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Department of Commerce

CHARLES SAWYER, *Secretary*

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JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Hematinic preparation. Serial No. 581,109, Nov. 6. Class 18.

Ackerman, A. C., Ballston Spa, N. Y. Knitted gloves and mittens. Serial No. 607,152, Nov. 6. Class 39.

Acme Quality Paints, Inc.: *See*—
Acme White Lead & Color Works.

Acme White Lead & Color Works, Detroit, Mich., now by change of name Acme Quality Paints, Inc. Agricultural chemicals and household and industrial germicides and disinfectants. Serial No. 584,214, Nov. 6. Class 6.

Aerol Co. Inc., Burbank, Calif. Wheels for industrial trucks. Serial No. 610,729, Nov. 6. Class 19.

Ahrens, Thomas H., New York, N. Y. Entertainment service. Serial No. 594,242, Nov. 6. Class 107.

Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Yarns and threads. Serial No. 587,923, Nov. 6. Class 43.

Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Synthetic yarns and threads. Serial No. 588,837, Nov. 6. Class 43.

All-American Leather Goods Company: *See*—
Horwitz, Leo.

Alper Blouse Co. Inc., Philadelphia, Pa. Women's and misses' blouses. Serial Nos. 610,947–9, Nov. 6. Class 39.

Altmann, Bernhard, New York, N. Y. Ladies', men's, and children's sweaters, ladies' and men's coats and sport jackets, etc. Serial No. 599,301, Nov. 6. Class 39.

American Abrasive Metals Company, Irvington, N. J. Fused aluminum oxide grains used to provide a non-slip surface when trowelled into the top of concrete sidewalks, etc. Serial No. 600,112, Nov. 6. Class 12.

American Die & Tool Co., Inc., Reading, Pa., assignor to Quentin C. and Solon A. Sternbergh, copartners, trading and doing business as West Shore Machine Company. Tool holders. Serial No. 604,414, Nov. 6. Class 23.

American Hollow Boring Company, Erie, Pa. Drill collars. Serial No. 598,624, Nov. 6. Class 23.

American Machine & Foundry Company, New York, N. Y. Bottoms, bases, and inserts adapted to be attached to the bases of bowling pins, etc. Serial No. 588,673, Nov. 6. Class 22.

American Nickeloid Company, Peru, Ill. Sheet and strip metal plated with metal. Serial No. 593,899, Nov. 6. Class 14.

American Nickeloid Company, Peru, Ill. Brass-plated sheet and strip metal. Serial No. 593,900, Nov. 6. Class 14.

American Nickeloid Company, Peru, Ill. Nickel plated sheet and strip metal. Serial No. 593,901, Nov. 6. Class 14.

American Optical Company, Southbridge, Mass. Optical objectives. Serial No. 616,470, Nov. 6. Class 26.

Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Flexible asphaltic coating compound. Serial No. 558,441, Nov. 6. Class 16.

Armour and Company, also doing business under the name Armour Creameries, Chicago, Ill. Fresh carcass meats, cured meats, variety meats, etc. Serial No. 571,246, Nov. 6. Class 46.

Armour Creameries: *See*—
Armour and Company.

Associated Grocers' Company of St. Louis, Mo., St. Louis, Mo. Butter, chili sauce, coffee, etc. Serial No. 576,246, Nov. 6. Class 46.

Automatic Baseball Equipment Corporation, Baltimore, Md. Automatic baseball pitching machines. Serial No. 616,891, Nov. 6. Class 22.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic sprinkler apparatus and parts thereof. Serial No. 586,906, Nov. 6. Class 13.

Avco Manufacturing Corporation, Cincinnati, Ohio. Electric refrigerators and home freezers. Serial No. 613,964, Nov. 6. Class 31.

B & T Metals Company, The, Columbus, Ohio. Aluminum moldings and trims. Serial No. 601,708, Nov. 6. Class 12.

Bachman Uxbridge Worsted Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 614,188, Nov. 6. Class 42.

Baltimore Porcelain Steel Corporation, Baltimore, Md. Porcelain enameled thin metallic sheets. Serial No. 601,592, Nov. 6. Class 12.

Bard & Margolies, Inc., Brooklyn, N. Y. Candies. Serial No. 602,485, Nov. 6. Class 46.

Barr, G., and Company, Chicago, Ill. Hand lotions. Serial No. 595,935, Nov. 6. Class 51.

Baum, W. A., Co., Inc., New York, N. Y. Cuffs, a component of a sphygmomanometer (blood-pressure apparatus). Serial No. 584,959, Nov. 6. Class 44.

Berger, Fred R.: *See*—
Pogue, J. E., Packing House.

Bermo Industries, Inc., Minneapolis, Minn. Automobile ornaments. Serial No. 607,480, Nov. 6. Class 50.

Bien Trading Company, Inc., New York, N. Y. Canned tuna, crabmeat, shrimp, etc. Serial No. 611,596, Nov. 6. Class 46.

Bilhuber, E., Inc., Orange, N. J. Medicinal agent. Serial No. 610,490, Nov. 6. Class 18.

Birmingham Small Arms Company Limited, The, Birmingham, England. Lubricating oils and greases. Serial No. 60,760, Nov. 6. Class 15.

Black Diamond Paint & Varnish Works, Inc., The, Cincinnati, Ohio. Interior paints and pigmented sealers. Serial No. 547,309, Nov. 6. Class 16.

Blackhawk Bottling Co., Rockford, Ill. Carbonated, maltless, soft drinks. Serial Nos. 567,751–2, Nov. 6. Class 45.

Brach, E. J., & Sons, Chicago, Ill. Candy. Serial No. 561,224, Nov. 6. Class 46.

Brand and Puritz, Kansas City, Mo. Ladies', misses', and children's coats and suits. Serial No. 545,226, Nov. 6. Class 39.

Brawer, Sidney, doing business as Tri-Ads Company, Los Angeles, Calif. Slide transparencies of stereoscopic pictures. Serial No. 576,741, Nov. 6. Class 26.

Breck, John H., Inc., Springfield, Mass. Preparations for the treatment of the hair and scalp. Serial No. 585,001, Nov. 6. Class 51.

Brooks-Weisberg Co., Los Angeles, Calif. Work pants, work trousers, work shirts, etc. Serial No. 609,279, Nov. 6. Class 39.

Brummer Manufacturing Corporation, Chicago Heights, Ill. Annular seals. Serial No. 581,645, Nov. 6. Class 35.

Buckens Mfg. Co.: *See*—
Buckens, William T.

Buckens, William T., doing business as Buckens Mfg. Co., Bridgeport, Conn. Mechanical letter opener. Serial No. 600,531, Nov. 6. Class 23.

California Prune and Apricot Growers Association, San Jose, Calif. Dried fruits. Serial No. 606,365, Nov. 6. Class 46.

Candy-Lane, Inc., Los Angeles, Calif. Candy. Serial No. 594,021, Nov. 6. Class 46.

Canfield, H. O., Co., The, Bridgeport, Conn. Rubber parts for assembly of aircraft. Serial No. 605,629, Nov. 6. Class 35.

Carew Products, Inc., New York, N. Y. Skin tinting lotion. Serial No. 602,929, Nov. 6. Class 51.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bath room cabinets. Serial No. 556,285, Nov. 6. Class 32.

Carmen Sea Food Company, Los Angeles, Calif. Fresh frozen shrimp. Serial No. 589,143, Nov. 6. Class 46.

Carpenter Oil Inc., Des Moines, Iowa. Anti-freeze solutions. Serial No. 590,421, Nov. 6. Class 6.

Carpenter Steel Company, The, Reading, Pa. Stainless steel. Serial No. 607,118, Nov. 6. Class 13.

Carr, James G., Sr., trading and doing business as Carr's Drug Store, Centreville, Miss. Remedy for athlete's foot. Serial No. 555,916, Nov. 6. Class 18.

Carr's Drug Store: *See*—
Carr, James G., Sr.

Centaur Plastic Coating Co., New York, N. Y. Synthetic resin coated leatherettes. Serial No. 569,434, Nov. 6. Class 50.

Central Popcorn Company, Schaller, Iowa. Raw popcorn. Serial No. 591,457, Nov. 6. Class 46.

Cetra Foundations Inc., New York, N. Y., and Perth Amboy, N. J. Brassières and corsets. Serial No. 610,888, Nov. 6. Class 39.

Chauvin, Georgianna J., Webster, Mass., assignor to Consolidated Cosmetics, Chicago, Ill. Shampoo. Serial No. 597,812, Nov. 6. Class 52.

Chicago Bridge & Iron Company, Chicago, Ill. Unfilled gas storage tanks. Serial No. 611,760, Nov. 6. Class 2.

Chicago Pharmacal Company, Chicago, Ill. Preparation used to increase the appetite, assist assimilation and raise the hemoglobin content of the blood. Serial No. 611,016, Nov. 6. Class 18.

Chicago Steel and Wire Company, Chicago, Ill. Wire. Serial No. 608,447, Nov. 6. Class 14.

Childlore Company, North Kansas City, Mo. Wheeled pull toys. Serial No. 598,783, Nov. 6. Class 22.

Childs Company, Long Island City, N. Y. Candy. Serial Nos. 607,162–4, Nov. 6. Class 46.

Cia. Johnson & Johnson do Brasil, Sao Paulo, Brazil. Pharmaceutical preparation. Serial No. 588,632, Nov. 6. Class 18.

Cincinnati Oil Works Co., The, Cincinnati, Ohio. Granular material to soak up spillages on floors. Serial No. 576,446, Nov. 6. Class 6.

Circo Products Company: *See*—
Optimus Equipment Company.

Chairol Incorporated, Stamford, Conn. Hair tinting and coloring preparations. Serial No. 595,760, Nov. 6. Class 51.

Clary Multiplier Corporation, San Gabriel, Calif. Computing machines. Serial No. 616,817, Nov. 6. Class 26.

Clover Farm Stores Corporation, Cleveland, Ohio. Nonalcoholic, noncereal, maltless carbonated beverages. Serial No. 553,076, Nov. 6. Class 45.

Cochran Co., Inc., Tracy, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 554,947, Nov. 6. Class 46.

Co-Halant Products: *See*—
Cohen, George.

Cohen, George, doing business as Co-Halant Products, Easton, Pa. Chemical preparation used in the treatment of colds and bronchitis in poultry. Serial No. 592,477, Nov. 6. Class 18.

Cole, Mrs., Anna M., Yachats, Oreg. Cast plastic costume jewelry. Serial No. 598,005, Nov. 6. Class 28.

Colorado Milling & Elevator Co., The, doing business as The Monte Vista Flour Mills, Monte Vista and Denver, Colo. Wheat flour. Serial No. 554,951, Nov. 6. Class 46.

Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Skin cleansing preparation. Serial No. 520,202, Nov. 6. Class 52.

Commercial Solvents Corporation, New York, N. Y. Analgesic composition. Serial No. 596,265, Nov. 6. Class 18.

Compost Corporation of America, Oakland, Calif. Organic fertilizers. Serial No. 611,019, Nov. 6. Class 10.

Compule Corporation, The, Rutherford, N. J. Two-compartment vials adapted to contain separately a therapeutic substance and a solvent. Serial No. 598,890, Nov. 6. Class 44.

Conde Nast Publications, Inc., The, New York, N. Y. Paper dress patterns. Serial No. 615,972, Nov. 6. Class 26.

Consolidated Cosmetics, assignee: *See*—
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Consolidated Cosmetics, Chicago, Ill. Lipstick, face powder, solid cologne, etc. Serial No. 591,019, Nov. 6. Class 51.

Continental Mills, Inc., Philadelphia, Pa. Knitted and woven cloths. Serial No. 561,383, Nov. 6. Class 42.

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Universal Manufacturing Corporation.

Crescent Tool Company, Jamestown, N. Y. Wrenches, pliers, nail pullers, etc. Serial No. 611,561, Nov. 6. Class 23.

Day, James B., & Co., Chicago, Ill. Prepared shellac. Serial No. 611,944, Nov. 6. Class 16.

De Markoff, Alexandra, Sales Corporation, New York, N. Y. Cosmetic oils. Serial No. 603,625, Nov. 6. Class 51.

Diamond Match Company, The, New York, N. Y. Clothespins. Serial No. 589,647, Nov. 6. Class 24.

Dione Associates, Hollywood, Calif. Medicated foot cream. Serial No. 609,169, Nov. 6. Class 18.

Dolcin Corporation, New York, N. Y. Medicinal preparation. Serial No. 587,716, Nov. 6. Class 18.

Dothan Seed & Supply Company, Inc., Dothan, Ala. Pecans in the shell. Serial No. 608,058, Nov. 6. Class 46.

Dropdot Corporation, San Francisco, Calif. Thinner compound. Serial No. 610,049, Nov. 6. Class 6.

Dura Starch Co., Philadelphia, Pa. Liquid composition, in the nature of starch. Serial No. 578,870, Nov. 6. Class 6.

Earlibest Orange Assn.: *See*—
Pogue, J. E., Packing House.

Eastern States Farmers' Exchange, West Springfield, Mass. Spiral nails. Serial No. 569,363, Nov. 6. Class 13.

Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. Serial No. 610,675, Nov. 6. Class 8.

Edward, Bernard, Co., Chicago, Ill. Drapery hardware; kitchenware, plastic pastry molds, etc. Serial No. 593,390, Nov. 6. Class 13.

Edwards, Don, Jewelry: *See*—
Edwards, Owen D.

Edwards, Owen D., doing business under the firm name and style of Don Edwards Jewelry, Fresno, Calif. Jewelry. Serial No. 574,352, Nov. 6. Class 28.

Elgin Softener Corporation, Elgin, Ill. Water neutralizing material. Serial No. 599,754, Nov. 6. Class 6.

Ercona Camera Corporation, New York, N. Y. Cameras. Serial No. 591,843, Nov. 6. Class 26.

Ercona Camera Corporation, New York, N. Y. Cameras. Serial No. 615,445, Nov. 6. Class 26.

Ercona Camera Corporation, New York, N. Y. Photographic lenses. Serial No. 615,446, Nov. 6. Class 26.

Euclid Candy Company, Inc., The: *See*—
Euclid Candy Company of California, Inc.

Euclid Candy Company of California, Inc., San Francisco, Calif. Candy. Serial Nos. 537,301–2, Nov. 6. Class 46.

Euclid Candy Company of California, Inc., San Francisco, Calif., also trading under the name The Euclid Candy Company, Inc. Candy. Serial No. 537,303, Nov. 6. Class 46.

Evans, John R., & Company, Camden, N. J. Leather. Serial No. 610,123, Nov. 6. Class 1.

Factory Outlet Shoe Store, Inc., San Antonio, Tex. Ladies' shoes. Serial No. 606,285, Nov. 6. Class 39.

Farmers & Consumers Dairy: *See*—
Johnson, J. Seward.

Fashioncraft Products, Brooklyn, N. Y. Nursing bottle holders. Serial No. 608,789, Nov. 6. Class 44.

Feldman, N. R., doing business as Miracle Breeze Cooler Manufacturing Company, Tucson, Ariz. Electrically operated evaporative type cooler. Serial No. 602,610, Nov. 6. Class 34.

Felton Aluminum Company, Felton, Calif. Metal castings. Serial No. 588,793, Nov. 6. Class 14.

Ferrar Radio & Television Corp., New York, N. Y. Electronic voice transmitter. Serial No. 601,352, Nov. 6. Class 21.

Ferris & Ferris, doing business under the name and style of The Soovaln Co., San Diego, Calif. Medicinal preparation. Serial No. 611,083, Nov. 6. Class 18.

Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Lenses for spectacles. Serial No. 603,620, Nov. 6. Class 26.

Firelure Corporation, The, San Francisco, Calif. Fishing rods, fishing reels, etc. Serial No. 589,206, Nov. 6. Class 22.

Firelure Corporation, The, San Francisco, Calif. Paint pigment. Serial No. 591,158, Nov. 6. Class 16.

Flintkote Company, The, New York, N. Y. Plastic composition flooring tile. Serial No. 603,291, Nov. 6. Class 12.

Francines Laboratories: *See*—
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Fritzsche Brothers, Inc., New York, N. Y. Liquid aromatic chemical compositions. Serial No. 571,961, Nov. 6. Class 6.

Funk, Guy T., Winston-Salem, N. C. Liniment. Serial No. 610,899, Nov. 6. Class 18.

Genant, William A., Syracuse, N. Y. Canned vegetables, canned fruits, canned fish, etc. Serial No. 566,873, Nov. 6. Class 46.

General Motors Corporation, Detroit, Mich. Inspection, adjustment, repair, and rebuilding of automotive parts. Serial No. 552,648, Nov. 6. Class 103.

Gerber Products Company, Fremont, Mich. Breakfast cereal preparations. Serial No. 590,744, Nov. 6. Class 46.

Geuder, Paeschke & Frey Co., Milwaukee, Wis. Metal products. Serial No. 609,362, Nov. 6. Class 13.

Girl Scouts of the United States of America, New York, N. Y. Toilet preparations. Serial No. 610,682, Nov. 6. Class 51.

Givaudan-Delawanna, Inc., New York, N. Y. Perfume bases and perfumes. Serial No. 599,632, Nov. 6. Class 51.

Glasser, Myron, Pittsburg, Calif. Garter for pants. Serial No. 609,127, Nov. 6. Class 39.

Glenwear, Inc., New York, N. Y. Children's blouses. Serial No. 607,015, Nov. 6. Class 39.

Golden Bear Products, Inc., Beverly Hills, Calif. Liquid paint and varnish remover. Serial No. 609,643, Nov. 6. Class 16.

Graff, John T., Company, Inc., New York, N. Y. Advertising services. Serial No. 557,922, Nov. 6. Class 101.

Gray Fox Inc., Kansas City, Mo. Vaginal diaphragm. Serial No. 572,302, Nov. 6. Class 44.

Gummed Products Company, The, Troy, Ohio. Gummed paper tape. Serial No. 532,447, Nov. 6. Class 5.

Guy, Ralph I., doing business under the fictitious name and style of The Rig Company, Glendale, Calif. Multivitamin and multi-mineral preparation. Serial No. 585,795, Nov. 6. Class 18.

H & M Pipe Beveling Machine Co.: *See*—
Harter, Mary C.

Hainke, Paul, doing business as The Paul Hainke Mfg. Co., Hutchinson, Kans. Hand and power operated garden plows and tractors and parts thereof. Serial No. 591,677, Nov. 6. Class 23.

Hainke, Paul, Mfg. Co., The: *See*—
Hainke, Paul.

Hamilton, John D., Tacoma, Wash. Candy. Serial No. 571,328, Nov. 6. Class 46.

Hanna Engineering Works, Chicago, Ill. Valves. Serial No. 554,665, Nov. 6. Class 13.

Hapman Conveyors, Inc., Detroit, Mich. Flight conveyors. Serial No. 592,425, Nov. 6. Class 23.

Har-Mar Feed Service: *See*—
Harper & Martin.

Harper & Martin, also doing business as Har-Mar Feed Service, Cromwell, Ind. Cattle and hog feeds. Serial No. 607,590, Nov. 6. Class 46.

Harrington, Russell, Cutlery Company, Southbridge, Mass. Hand edge cutting tools. Serial No. 523,284, Nov. 6. Class 23.

Harter, Mary C., doing business as H & M Pipe Beveling Machine Co., Tulsa, Okla. Pipe beveling machines. Serial No. 611,358, Nov. 6. Class 23.

Hathaway, Ray H., Spokane, Wash. Ham and bacon. Serial No. 591,680, Nov. 6. Class 46.

Heintz Manufacturing Company, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical substances. Serial No. 589,091, Nov. 6. Class 6.

Hen-Hawk Equipment Co.: *See*—
Moulton, Roger E.

Heyden Chemical Corporation, New York, N. Y. Polymers of formaldehyde. Serial No. 610,268, Nov. 6. Class 6.

Hiscock, Earle F., Washington, D. C., and New York, N. Y. Flexible packets. Serial No. 610,269, Nov. 6. Class 2.

Hogan, Thomas F., doing business as Francines Laboratories, South St. Paul, Minn. Skin cream and lotion. Serial No. 579,597, Nov. 6. Class 51.

Horwitz, Leo, doing business as All-American Leather Goods Company, Chicago, Ill. Suitcases and brief cases. Serial No. 556,012, Nov. 6. Class 3.

House of Huston, Inc., Coral Gables, Fla. Cologne. Serial No. 591,624, Nov. 6. Class 51.

Hudnut, Richard, New York, N. Y. Face cream. Serial No. 599,874, Nov. 6. Class 51.

Huttig Sash & Door Co., St. Louis, Mo. Liquid wood preservative. Serial No. 603,684, Nov. 6. Class 6.

Idaho Canning Co. Ltd., Payette, Idaho. Canned corn. Serial No. 532,595, Nov. 6. Class 46.

Ideal Toy Corporation, Hollis, N. Y. Stuffed toy animals and stuffed dolls. Serial No. 612,616, Nov. 6. Class 22.

Indian River Medicine Company: *See*—
Scalf, Mrs. Dessa.

Industrial Synthetics Corporation, Garwood, N. J. Stair and floor coverings. Serial No. 597,762, Nov. 6. Class 50.

Interchemical Corporation, New York, N. Y. Varnish. Serial No. 553,199, Nov. 6. Class 16.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Face powder. Serial No. 577,059, Nov. 6. Class 51.

Johnson, J. Seward, doing business as Farmers & Consumers Dairy, Morristown, N. J. Dairy products, frozen berries, frozen fruit salads, etc. Serial No. 595,380, Nov. 6. Class 46.

Johnson & Johnson, New Brunswick, N. J. Nasal tampons. Serial No. 601,923, Nov. 6. Class 44.

Johnson-March Corporation, The, Philadelphia, Pa. Wetting agents. Serial No. 590,022, Nov. 6. Class 6.

Jones, J., Products: *See*—
Jones, Jefferson.

Jones, Jefferson, doing business as J. Jones Products, Chicago, Ill. Face lotion. Serial No. 607,674, Nov. 6. Class 51.

Joyce, William H., Hollis, N. Y. Hair coloring pomade. Serial No. 602,405, Nov. 6. Class 51.

KMPC, the Station of the Stars, Incorporated, Los Angeles, Calif. Radio program broadcasting. Serial No. 593,540, Nov. 6. Class 104.

Kalex Corporation, New York, N. Y. Clocks. Serial No. 603,299, Nov. 6. Class 27.

Kay Electric Company, Pine Brook, N. J. Switching apparatus. Serial No. 603,688, Nov. 6. Class 26.

Kerdasha, Robert J., Woodcliff, N. J. Game. Serial No. 593,544, Nov. 6. Class 22.

Kerr, Joseph H., doing business as Quota Games, Lewisburg, Pa. Card game. Serial No. 602,155, Nov. 6. Class 22.

Ketcham & McDougall, Inc., East Orange, N. J. Watch guards and retracting key chains. Serial No. 576,812, Nov. 6. Class 28.

Killgore, Charles, Company, Inc., Yonkers, N. Y. Marshmallow candy substitutes. Serial No. 610,980, Nov. 6. Class 46.

King, Geo. W., Limited, Hitchin, England. Chain pulley blocks. Serial No. 597,341, Nov. 6. Class 23.

Kleinert, I. B., Rubber Company, New York, N. Y. Elasticized fabric sanitary garments. Serial No. 598,657, Nov. 6. Class 44.

Koppers Company, Inc., Pittsburgh, Pa., and New York, N. Y. Plain, molded, hand-dipped, decorative and art candles. Serial No. 592,820, Nov. 6. Class 15.

Laboratoires Francais de Chimiotherapie, Paris, France. Medicinal preparation. Serial No. 611,282, Nov. 6. Class 18.

Laboratoires Francais de Chimiotherapie, Paris, France. Medicinal hormone preparation. Serial Nos. 611,284–5, Nov. 6. Class 18.

Laboratory Industries, Inc., Chicago, Ill. Laboratory clamps. Serial No. 610,982, Nov. 6. Class 26.

Laher Spring and Tire Corporation, Oakland, Calif. Automobile and truck pneumatic tires. Serial No. 612,657, Nov. 6. Class 35.

Lane Bryant Inc., New York, N. Y. Girls', young women's and women's dresses, suits, coats, etc. Serial No. 608,710, Nov. 6. Class 39.

Langley Corporation, San Diego, Calif. Fishing rods. Serial No. 602,097, Nov. 6. Class 22.

Laros Textiles Company, Bethlehem, Pa. Children's vests, bloomers, pajamas, etc. Serial No. 602,961, Nov. 6. Class 39.

Latrobe Electric Steel Company, Latrobe, Pa. High speed steel. Serial No. 607,335, Nov. 6. Class 14.

Laufenberg, Inc., Milwaukee, Wis. Drip trays for toilet tanks. Serial No. 581,268, Nov. 6. Class 13.

Lavino, E. J., and Company, Philadelphia, Pa. Refractory concrete. Serial No. 606,148, Nov. 6. Class 12.

Lavino, E. J., and Company, Philadelphia, Pa. Chrome ore. Serial No. 609,091, Nov. 6. Class 1.

Lawtons Canning Co., Inc., Lawtons, N. Y. Canned vegetables. Serial No. 611,905, Nov. 6. Class 46.

Lawtons Canning Co., Inc., Lawtons, N. Y. Canned and frozen fruits and vegetables. Serial No. 611,906, Nov. 6. Class 46.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes. Serial No. 582,533, Nov. 6. Class 51.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Window glass, plate glass, laminated glass, etc. Serial Nos. 602,036–7, Nov. 6. Class 33.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Front surface mirrors, rear surface mirrors and transparent mirrors. Serial No. 602,040, Nov. 6. Class 32.

Lilo-Rail of America Inc., Hoboken, N. J. Curtain rails, and accessories therefor. Serial No. 608,937, Nov. 6. Class 13.

Lloyd Chain Manufacturing Co., Maryville, Mo. Tire chains. Serial No. 577,676, Nov. 6. Class 13.

Lorraine Novelty Manufacturing Company, Incorporated, Bridgeport, Conn. Folding chairs. Serial No. 604,977, Nov. 6. Class 32.

Lur-All Tackle and Manufacturing Company, Berkley, Mich. Artificial fish baits. Serial No. 582,535, Nov. 6. Class 22.

Lur-All Tackle and Manufacturing Company, Berkley and Royal Oak, Mich. Artificial fish bait. Serial No. 596,511, Nov. 6. Class 22.

Magidiz Co., The, San Francisco, Calif. Dyes and dressings. Serial No. 600,222, Nov. 6. Class 6.

Maine Potato Growers, Inc., Presque Isle, Maine. Seed grain, grass seed, and seed potatoes. Serial No. 610,370, Nov. 6. Class 1.

Mara Laboratories, Inc., The, Harrison, N. J. Medicinal preparation. Serial No. 611,231, Nov. 6. Class 18.

Marty Associates, Dayton, Ohio. Manual vibrators for applying light heat and vibratory massage to the skin and body of the patient. Serial No. 543,202, Nov. 6. Class 44.

Mathieson Chemical Corporation, assignee: *See*—
Southern Acid & Sulphur Company, Incorporated.

Meck, John, Industries, Inc., Plymouth, Ind. Electrical apparatus. Serial No. 599,714, Nov. 6. Class 21.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Panels completely assembled with indicating or recording gauges, etc. Serial No. 608,426, Nov. 6. Class 26.

Miracle Breeze Cooler Manufacturing Company: *See*—
Feldman, N. R.

Mohawk Rubber Company, The, Akron, Ohio. Natural or synthetic rubber. Serial No. 570,873, Nov. 6. Class 35.

Monarch Chemical Company, New York, N. Y. Acid sodium pyrophosphate mixed with a filler, used and sold only to the commercial bakery trade. Serial No. 551,396, Nov. 6. Class 46.

Monte Vista Citrus Association, Riverside, Calif. Fresh citrus fruits. Serial No. 603,688, Nov. 6. Class 46.

Monte Vista Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Moore, John Hudson, Inc., New York, N. Y. Smokers' pipes. Serial No. 608,713, Nov. 6. Class 8.

Moore, Samuel, & Company, Mantua, Ohio. Plastic material. Serial No. 603,936, Nov. 6. Class 50.

Mortarless Tile Machine Co., Inc., Los Angeles, Calif. Tile building blocks, wall blocks, etc. Serial No. 554,998, Nov. 6. Class 12.

Mottold Company, The, Chicago, Ill. Self-curing denture acrylic. Serial No. 599,838, Nov. 6. Class 44.

Moulton, Roger E., doing business as Hen-Hawk Equipment Co., Portsmouth, N. H. Incinerators. Serial No. 608,012, Nov. 6. Class 34.

Murchison, Alvin, Brooklyn, N. Y. Mechanical and hand operated tools. Serial No. 604,380, Nov. 6. Class 23.

Naranjo Packing House Company, Woodlake, Calif. Fresh citrus fruits. Serial No. 540,439, Nov. 6. Class 46.

National Alfalfa Dehydrating & Milling Company, Lamar, Colo. Enriched dehydrated alfalfa meal. Serial No. 586,645, Nov. 6. Class 46.

National Arborist Association, Incorporated, Wooster, Ohio. Arboricultural services. Serial No. 606,079, Nov. 6. Class 100.

National Foam System, Inc., West Chester, Pa. Fire-extinguishing chemicals and compositions. Serial No. 610,329, Nov. 6. Class 6.

National Puff Company, Brooklyn, N. Y. Furniture slip covers. Serial No. 605,966, Nov. 6. Class 32.

Nautilus Food Products Corp., New York, N. Y. Salad dressing. Serial No. 595,849, Nov. 6. Class 46.

Nehi Corporation, Columbus, Ga. Nonalcoholic, maltless beverages. Serial No. 610,293, Nov. 6. Class 45.

Nelson, William D., doing business as Ru Nel Co., Minneapolis, Minn. Fingernail polish remover. Serial No. 610,376, Nov. 6. Class 51.

New Method Paint Co., Kansas City, Mo. Ready mixed oil paint. Serial No. 607,507, Nov. 6. Class 16.

Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin concentrates. Serial No. 602,619, Nov. 6. Class 18.

Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin-containing glyceride oils. Serial Nos. 602,620–1, Nov. 6. Class 18.

Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. Serial Nos. 606,787–9, Nov. 6. Class 18.

Sopco Chemical Company, Harrison, N. J. High potency vitamin. Serial Nos. 606,799–800, Nov. 6. Class 18.
Su-Becol Company, The: *See*—
Scalf, Mrs. Dessa.
Sye Tool Company, Chicago, Ill. Thread-cutting dies. Serial No. 540,307, Nov. 6. Class 23.
Oberti, James M., doing business as Oberti Manufacturing Company, San Francisco, Calif. Curved floor squeegees, straight floor squeegees, curved floor brushes, etc. Serial No. 610,225, Nov. 6. Class 29.
Oberti Manufacturing Company: *See*—
Oberti, James M.
Opticon Co., The: *See*—
Sweeney, John D.
Opthmus Equipment Company, Matawan, N. J., assignee of Circo Products Company. Volatile solvent. Serial No. 558,281, Nov. 6. Class 52.
Ortho Pharmaceutical Corporation, Raritan, N. J. Therapeutic preparations. Serial Nos. 585,763–4, Nov. 6. Class 18.
Ozark-Mahoning Company, Tulsa, Okla. Sodium sulfate, sulfuric acid, hydrochloric acid, etc. Serial No. 610,332, Nov. 6. Class 6.
Pantasote Company, The, Passaic, N. J. Plastic film. Serial No. 555,620, Nov. 6. Class 50.
Paramount Children Dress Co., Inc., New York, N. Y. Girls' and children's dresses and blouses. Serial No. 600,736, Nov. 6. Class 39.
Parke, Davis & Company, Detroit, Mich. Anticonvulsant preparation. Serial No. 610,456, Nov. 6. Class 18.
Peel and Campden Limited, London, England. Water proofing compound. Serial No. 607,600, Nov. 6. Class 6.
Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Heintz Manufacturing Company.
Peoples First National Bank and Trust Company, assignee: *See*—
Shenango Pottery Company.
Perfex Company, The, Shenandoah, Iowa, now by change of name The Rapp-Ramsey Company. Laundry bleach. Serial No. 588,142, Nov. 6. Class 6.
Petersen & Dekke A/S, Hop near Bergen, Norway. Underwear, stockings, and socks. Serial No. 605,262, Nov. 6. Class 39.
Pfeiffer, S., Manufacturing Co., St. Louis, Mo. Anthelmintic remedy. Serial No. 611,194, Nov. 6. Class 18.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. Serial No. 582,321, Nov. 6. Class 18.
Phillips Packing Company, Inc., Cambridge, Md. Canned vegetables, canned soups, canned spaghetti, etc. Serial No. 611,616, Nov. 6. Class 46.
Phoenix Hosiery Company, Milwaukee, Wis. Women's hosiery. Serial Nos. 609,047–8, Nov. 6. Class 39.
Pierce, F. O., Company, Long Island City, N. Y. Spar varnish and varnish stain. Serial No. 594,573, Nov. 6. Class 16.
Pioneer Folding Box Company, Chicopee, Mass. Folding cardboard and paperboard boxes and cartons, and cut and scored blanks therefor. Serial No. 611,617, Nov. 6. Class 2.
Plastics Engineering Company, Sheboygan, Wis. Toilet seats. Serial No. 602,334, Nov. 6. Class 13.
Plastics Engineering Company, Sheboygan, Wis. Toilet seats. Serial No. 604,610, Nov. 6. Class 13.
Pogue, J. E.: *See*—
Pogue, J. E., Packing House.
Pogue, J. E., Packing House, also doing business as J. E. Pogue, assignor to F. R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif. Fresh citrus fruits. Serial No. 543,742, Nov. 6. Class 46.
Pollak Steel Company, The, Cincinnati, Ohio. Steel reinforcing bars. Serial No. 599,652, Nov. 6. Class 12.
Portch, M., doing business as Sally Lynn Kitchen, Washington, D. C. Cakes and pies. Serial Nos. 602,216–17, Nov. 6. Class 46.
Portland Shingle Co.: *See*—
Schmidt, Alfred H.
Property Credit Corporation, New York and Jamaica, N. Y. Brokerage services. Serial No. 566,471, Nov. 6. Class 102.
Quota Games: *See*—
Kerr, Joseph H.
R & F Co. Inc., New York, N. Y. Floating water toys. Serial No. 609,945, Nov. 6. Class 22.
Rapp-Ramsey Company, The: *See*—
Perfex Company, The.
Raybestos-Manhattan, Inc., Passaic, N. J. Non-jacketed plastic composition packing. Serial No. 594,234, Nov. 6. Class 35.
Rayonier Incorporated, New York, N. Y. Highly purified wood cellulose. Serial Nos. 609,813–14, Nov. 6. Class 1.
Ready-Jell Mfg. Co., Inc., Green Island, N. Y. Dessert powders. Serial No. 545,770, Nov. 6. Class 46.
Redlands Cooperative Fruit Association, Redlands, Calif. Fresh citrus fruits. Serial No. 555,016, Nov. 6. Class 46.
Resistoflex Corporation, Belleville, N. J. Extruded and molded sheets, slabs, rods, etc. Serial No. 609,054, Nov. 6. Class 1.
Rig Company, The: *See*—
Guy, Ralph I.
Rock Island Bridge & Iron Works: *See*—
Sawyer's Inc.
Rock Island Bridge and Tru-Vue Corporation: *See*—
Sawyer's Inc.
Ronell, Eva, New York, N. Y. Dress forms. Serial No. 609,055, Nov. 6. Class 50.
Rose's 5, 10, 25c Stores, Inc., Henderson, N. C., and Norfolk, Va. Candy. Serial No. 591,107, Nov. 6. Class 46.
Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Jacket water coolers, lubricating oil coolers and gas coolers. Serial No. 604,390, Nov. 6. Class 31.
Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Jacket water coolers, lubricating oil coolers and gas coolers. Serial No. 604,392, Nov. 6. Class 31.
Royal Apex Manufacturing Corporation, Brooklyn, N. Y. Gutter and downspout supports and accessories. Serial No. 565,859, Nov. 6. Class 12.
Ru Nel Co.: *See*—
Nelson, William D.
Sahyun Laboratories: *See*—
Sahyun, Melville.
Sahyun, Melville, doing business as Sahyun Laboratories, Santa Barbara, Calif. Shampoo. Serial No. 597,354, Nov. 6. Class 52.
St. Regis Paper Company, New York, N. Y. Paper bags. Serial No. 611,241, Nov. 6. Class 2.
Sally Lynn Kitchen: *See*—
Portch, M.
Sawhill Manufacturing Company, The, Wheatland, Pa. Posts for supporting floors and the like. Serial No. 599,981, Nov. 6. Class 12.
Sawyer's Inc., Portland, Oreg., assignee of Rock Island Bridge and Tru-Vue Corporation, formerly Rock Island Bridge & Iron Works. Stereoscopes and films. Serial No. 551,047, Nov. 6. Class 26.
Scalf, Mrs. Dessa, doing business as Indian River Medicine Company, and The Nu-Becol Company, La Follette, Tenn. Dietary supplement. Serial No. 606,901, Nov. 6. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Products used as mixing ingredients in poultry, livestock and other animal feeds containing vitamin B_{12}. Serial No. 611,315, Nov. 6. Class 18.
Schmidt, Alfred H., doing business under the assumed name of Portland Shingle Co., Portland, Oreg. Chemical preparation. Serial No. 605,372, Nov. 6. Class 6.
Schultz, Helen M., Toledo, Ohio. Kits and parts thereof comprising baking vessels, receptacles therefor, etc. Serial No. 575,113, Nov. 6. Class 50.
Schwarz Laboratories, Inc., New York, N. Y. Glutathione. Serial No. 609,702, Nov. 6. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Roost paint and sheep marking paint. Serial No. 570,642, Nov. 6. Class 16.
Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Toilet bowl force cups and plumber friends. Serial No. 610,148, Nov. 6. Class 23.
Shankel Mill Company, Incorporated, Bristol, Va. Wheat flour, corn meal, dairy feed, etc. Serial No. 534,379, Nov. 6. Class 46.
Shenango Pottery Company, New Castle, assignor to Peoples First National Bank and Trust Company, Pittsburgh, Pa. Vitrified dishware. Serial Nos. 601,573–6, Nov. 6. Class 30.
Sherwood Refining Company, Inc., Englewood, N. J. Petrolatum or petroleum jelly and white mineral oils. Serial No. 606,572, Nov. 6. Class 18.
Sicardi, Inc., Cincinnati, Ohio. Candies. Serial Nos. 588,774–5, Nov. 6. Class 46.
Singing Needles, Inc., Lititz and Millersville, Pa. Women's, misses', and children's slips and undergarments. Serial No. 611,814, Nov. 6. Class 39.
Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface floor and wall coverings of linoleum. Serial No. 593,836, Nov. 6. Class 20.
Smaliman, L., & Sons, Paterson, N. J., and New York, N. Y. Billfolds, wallets. Serial No. 608,022, Nov. 6. Class 3.
Sonoco Products Company, Hartsville, S. C. Flock surfaced paper carriers. Serial No. 589,599, Nov. 6. Class 2.
Soovain Co., The: *See*—
Ferris & Ferris.
Sorensen & Company, Inc., Stamford, Conn. Devices for delivering power differing in one or more characteristics from its input power. Serial No. 617,516, Nov. 6. Class 21.
Sossner Tap and Tool Corporation, New York, N. Y. Threading taps. Serial No. 601,283, Nov. 6. Class 23.
Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Insecticides and agricultural fungicides. Serial No. 576,165, Nov. 6. Class 6.
Spohr, J., Pregassona, Canton Ticino, Switzerland. Enzymes used for intestinal medication. Serial No. 545,909, Nov. 6. Class 18.
Spontane Mfg. Company, Atlanta, Ga. Steam cleaning machines. Serial No. 603,553, Nov. 6. Class 34.
Standard Cap and Seal Corporation, Chicago, Ill. Laminated paper and foil bottle closures. Serial No. 598,118, Nov. 6. Class 50.

Standard Chemical Products, Inc., Hoboken, N. J. Textile finishing preparations. Serial No. 608,290, Nov. 6. Class 6.
Standard Oil Company, The, Cleveland, Ohio. All-purpose lubricating grease. Serial No. 609,322, Nov. 6. Class 15.
Stein, Hall & Company, Inc., New York, N. Y. Food products. Serial No. 575,100, Nov. 6. Class 46.
Sterling Products, Inc., Los Angeles, Calif. Paper plates and cups. Serial No. 599,849, Nov. 6. Class 2.
Sternbergh, Quentin C.: *See*—
American Die & Tool Co., Inc.
Sternbergh, Solon A.: *See*—
American Die & Tool Co., Inc.
Surveys, Inc., Trenton, N. J. Thermoplastic valve and pump packing. Serial No. 610,194, Nov. 6. Class 35.
Sweeney, John D., doing business under the name and style of The Opticon Co., St. Louis, Mo. Multiple-image assemblies embodying a plurality of mirrors. Serial No. 586,570, Nov. 6. Class 32.
Swett Bros. Heating and Appliance Company, Springfield, Mass. Packaged members made from sheet metal for ventilating, heating, and air conditioning systems. Serial No. 584,704, Nov. 6. Class 34.
Switchcraft, Inc., Chicago, Ill. Electrical goods. Serial No. 617,591, Nov. 6. Class 21.
Tailored Woman, Inc., The, New York, N. Y. Hand bags. Serial No. 604,237, Nov. 6. Class 3.
Taylor, Nellie V., Philadelphia, Pa. Hair tonic. Serial No. 598,441, Nov. 6. Class 51.
Technicon Company, The, New York, N. Y. Preparations or histological reagents. Serial No. 607,832, Nov. 6. Class 6.
Thompson-Hayward Chemical Co., Kansas City, Mo. Fumigating agent. Serial No. 607,526, Nov. 6. Class 6.
Thompson-Hayward Chemical Company, Kansas City, Mo. Herbicide. Serial No. 607,565, Nov. 6. Class 6.
Tri-Ads Company: *See*—
Brawer, Sidney.
Tricosa, Paris, France. Knitted outer wear. Serial Nos. 589,050–1, Nov. 6. Class 39.
Triplex Heating Specialty Company, Incorporated, The, Peru, Ind. Control valves; and boiler plugs. Serial No. 534,568, Nov. 6. Class 13.
True-Health Chemical Products Corporation, Bradford, Pa. Enzyme inhibitor. Serial No. 607,103, Nov. 6. Class 18.
Tudor Metal Products Corp., Brooklyn, N. Y. Indoor board games. Serial No. 590,112, Nov. 6. Class 22.
United International Research, Inc., Long Island City, N. Y. Bleach, disinfectant and water purifier. Serial No. 600,518, Nov. 6. Class 6.
United States Finishing Company, The, Norwich, Conn. Finishing of textile fabrics. Serial No. 535,105, Nov. 6. Class 106.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Sanitary napkins. Serial No. 609,892, Nov. 6. Class 44.
United States Steel Corporation, New York, N. Y. Erection and razing of steel structures. Serial No. 588,249, Nov. 6. Class 103.
Universal Manufacturing Corporation, assignor to Corman Leather Company, Inc., Chelsea, Mass. Men's boots and shoes, etc. Serial No. 544,621, Nov. 6. Class 39.
Usines Chimiques des Laboratoires Francais, Paris, France. Pharmaceutical compounds. Serial No. 599,037, Nov. 6. Class 18.
Utica Cutlery Company, Utica, N. Y. Household knives, pocket knives, hunting knives, etc. Serial No. 595,344, Nov. 6. Class 23.
Van Dyk & Company, Inc., Belleville, N. J. Chemical compounds. Serial No. 608,482, Nov. 6. Class 6.
Varney, Phyllis C., Sacramento, Calif. Scalp and hair conditioner. Serial No. 611,207, Nov. 6. Class 51.
Victaulic Company Limited, The, London, England. Tube expanding tools. Serial No. 601,765, Nov. 6. Class 23.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Non-alcoholic mattless soft drinks and concentrates. Serial No. 607,909, Nov. 6. Class 45.
Volay of Paris Company, Greenwich, Conn. Body lotions. Serial No. 578,178, Nov. 6. Class 51.
Von Guggenberg, Nicholas, doing business as Zanzar & Company, Brentwood, Mo. Perfume. Serial No. 609,894, Nov. 6. Class 51.
Vrooman, George B., Inc., Philadelphia, Pa. Stuffed macaroni with sauce. Serial No. 593,095, Nov. 6. Class 46.
Wallace Industries, Seattle, Wash., by change of name from Wallace Toys. Artificial fish lures. Serial No. 555,121, Nov. 6. Class 22.
Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Sterling silver flatware. Serial No. 571,063, Nov. 6. Class 28.
Wallace Toys: *See*—
Wallace Industries.
Warnecke, George W., & Company, Inc., New York and Jamaica, N. Y. Brokerage services. Serial No. 566,437, Nov. 6. Class 102.
Wasco Flashing Co., Cambridge, Mass. Flashing structures. Serial No. 566,733, Nov. 6. Class 12.
Washington Fish & Oyster Co., Inc., Seattle, Wash. Canned salmon. Serial No. 552,823, Nov. 6. Class 46.
Webster Electric Company, Racine, Wis. Pumps; and thermostatically controlled variable diameter pulleys, etc. Serial No. 591,390, Nov. 6. Class 23.
Webster, F. S., Company, Cambridge, Mass. Typewriter ribbons. Serial No. 593,307, Nov. 6. Class 11.
Welch, W. M., Manufacturing Company, Chicago, Ill. Photosensitive light measuring or indicating instruments. Serial No. 573,391, Nov. 6. Class 26.
West Disinfecting Company, Long Island City, N. Y. Varnish-like preparation for finishing and treating floors. Serial No. 580,445, Nov. 6. Class 16.
West Disinfecting Company, Long Island City, N. Y. Polishing wax and combination coating and polishing wax. Serial No. 588,342, Nov. 6. Class 4.
West Shoe Machine Company: *See*—
American Die & Tool Co., Inc.
Western Air Lines, Inc., Los Angeles, Calif. Air transportation of passengers, freight and mail. Serial No. 494,878, Nov. 6. Class 105.
Western Waterproofing Company: *See*—
Western Waterproofing Company, Inc.
Western Waterproofing Company, Detroit, Mich. Waterproofing and weatherproofing compositions. Serial No. 534,847, Nov. 6. Class 12.
Western Waterproofing Company, Inc., St. Louis, Mo., assignee of Western Waterproofing Company. Cementitious materials. Serial No. 527,350, Nov. 6. Class 12.
Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Electric commercial refrigerators and parts therefor, electric household refrigerators and parts therefor, etc. Serial No. 606,104, Nov. 6. Class 31.
Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Radio program broadcasting services. Serial No. 565,396, Nov. 6. Class 104.
Willson Products, Inc., Reading, Pa. Lenses. Serial No. 606,248, Nov. 6. Class 26.
Wilson, Madam Stacy: *See*—
Wilson, Stacy.
Wilson, Stacy, doing business under the name of Madam Stacy Wilson, Chicago, Ill. Hair cosmetics. Serial No. 608,443, Nov. 6. Class 51.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Dry form sulfur mixture. Serial No. 597,926, Nov. 6. Class 6.
Woodcraft Industries Incorporated, Chicago, Ill. Wood flooring. Serial No. 593,948, Nov. 6. Class 12.
Wyeth Incorporated, Philadelphia, Pa. Diethylstilbestrol implantation pellets for veterinary use. Serial No. 609,754, Nov. 6. Class 18.
Yarnall-Waring Company, Philadelphia, Pa. Gaskets. Serial No. 609,021, Nov. 6. Class 35.
Zanzar & Company: *See*—
Von Guggenberg, Nicholas.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Multiple vitamin preparation. 550,477, Nov. 6; Serial No. 596,697, published July 3, 1951. Class 18.
Abbott Laboratories, North Chicago, Ill. Oral preparation in tablet form indicated in vitamin deficiency. 550,500, Nov. 6; Serial No. 599,734, published July 17, 1951. Class 18.
Acme Breweries: *See*—
Acme Brewing Co.
Acme Brewing Co., to Acme Breweries, San Francisco, Calif. Beer. 83,200, re-renewed Aug. 29, 1951. O. G. Nov. 6. Class 48.
Algemeene Kunstzijde Unie N. V., to Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Artificial yarns. 286,997, renewed Sept. 8, 1951. O. G. Nov. 6. Class 43.
Allied Chemical & Dye Corporation, New York, N. Y. Alkaline detergent. 550,454, Nov. 6; Serial No. 589,366, published Aug. 7, 1951. Class 52.
Allied Chemical & Dye Corporation, New York, N. Y. Hydrocarbons, phenols, organic acids, etc. 550,516, Nov. 6; Serial No. 602,873, published Aug. 14, 1951. Class 6.
Allied Chemical & Dye Corporation, New York, N. Y. Long-chain synthetic alcohol wax. 550,551, Nov. 6; Serial No. 605,887, published July 31, 1951. Class 6.
Allied Distributors, Pittsburgh, Pa. Mild powder, an autoclaved-hypoallergenic talc to be used topically in connection with the treatment of various dermatoses, etc. 550,460, Nov. 6; Serial No. 591,216, published July 10, 1951. Class 18.
Allied Laboratories, Inc.: *See*—
Pitman-Moore Company.

Alligator Company, The, St. Louis, Mo. Raincoats and topcoats for men. 550,553, Nov. 6; Serial No. 606,111, published Aug. 14, 1951. Class 39.

All-Steel Equipment, Inc., Aurora, Ill. Hardware. 550,367, Nov. 6; Serial No. 554,195, published Aug. 21, 1951. Class 13.

All-Steel Equipment Inc., Aurora, Ill. Hardware. 550,371, Nov. 6; Serial No. 556,519, published Feb. 27, 1951. Class 13.

Aloe, A. S., Company, St. Louis, Mo. Dental, medical, and surgical appliances and equipment. 546,481–2, Aug. 14, 1951. Corrected. O. G. Nov. 6. Class 44.

American Aniline Products, Inc., New York, N. Y. Dyestuffs. 550,563, Nov. 6; Serial No. 606,743, published Aug. 21, 1951. Class 6.

American Bleached Goods Company, Inc., to American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 285,372, renewed July 28, 1951. O. G. Nov. 6. Class 42.

American Chemical Paint Company, Ambler, Pa. Plant stimulant. 550,397, Nov. 6; Serial No. 573,223, published June 6, 1950. Class 10.

American Cyanamid Company, New York, N. Y. Core and dry mold binders. 550,508, Nov. 6; Serial No. 601,815, published July 31, 1951. Class 5.

American Drill Bushing Co., Inc., Los Angeles, Calif. Drill bushings. 550,499, Nov. 6; Serial No. 599,688, published Aug. 14, 1951. Class 23.

American Fork & Hoe Company, The: *See*—
True Temper Corporation.

American Mat Corporation, Toledo, Ohio. Protective and cushioning mats and rugs. 550,528, Nov. 6; Serial No. 604,178, published July 17, 1951. Class 50.

American Medical Glass Company, Washington, D. C. Plastic shoe lasts. 550,526, Nov. 6; Serial No. 603,951, published July 31, 1951. Class 50.

Andersen Specialty Mfg. Corp., Chicago, Ill. Soluble crystals to be used in a preparation for removing paint and varnish from brushes. 550,391, Nov. 6; Serial No. 570,682, published Aug. 7, 1951. Class 16.

Anderson-Miller Manufacturing Co., Spokane, Wash. Tubular pipes and pipe fittings. 550,389, Nov. 6; Serial No. 570,243, published Aug. 14, 1951. Class 13.

Ansbacher-Siegle Corporation, New York and Rosebank, S. I., N. Y. Pigments and colors. 550,518, Nov. 6; Serial No. 603,098, published Aug. 14, 1951. Class 6.

Arkwright Merchandising Corporation, New York, N. Y. Ladies' hosiery. 550,396, Nov. 6; Serial No. 572,938, published Sept. 26, 1950. Class 39.

Arnolt Corporation, Warsaw, Ind. Marine engines. 441,227, Nov. 2, 1948. Republished Nov. 6. Class 23.

Aromah Products Co., San Francisco, Calif. Lubricated rubber prophylactics. 550,438, Nov. 6; Serial No. 585,907, published July 31, 1951. Class 44.

Arps Corporation, New Holstein, Wis. Trench digging machine. 550,486, Nov. 6; Serial No. 598,556, published July 24, 1951. Class 23.

Associated Merchandising Corporation, The, New York, N. Y. Women's hosiery. 550,554, Nov. 6; Serial No. 606,114, published Aug. 14, 1951. Class 39.

Atlas Powder Company, Wilmington, Del. Lacquers, enamels, varnishes, etc. 550,490, Nov. 6; Serial No. 598,699, published Aug. 7, 1951. Class 16.

Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Wines. 352,019, Nov. 16, 1937. Republished Nov. 6. Class 47.

Auto Chlor System, Inc., Memphis, Tenn. Unitary plumbing fixture. 550,484, Nov. 6; Serial No. 598,345, published Aug. 21, 1951. Class 13.

B & P Company, The, Cleveland, to Margaret A. Kroesen, Lakewood, Ohio. Adhesive sheet or wafer. 287,253, renewed Sept. 15, 1951. O. G. Nov. 6. Class 44.

Baer Brothers, New York, N. Y. Enamel. 550,374, Nov. 6; Serial No. 561,711, published Aug. 7, 1951. Class 16.

Baker Imperial Co., Inc., New York, N. Y. Pottery figurines, hand painted and ornamental chinaware figurines, etc. 550,458, Nov. 6; Serial No. 590,794, published Aug. 14, 1951. Class 50.

Barney, Edwin R., Cambridge, Mass. Hors d'oeuvre and sandwich picks. 550,570, Nov. 6; Serial No. 608,143, published Aug. 14, 1951. Class 13.

Basic Foods, Inc.: *See*—
Michaelis, Beatrice Y., and Lasser.

Baumer Foods, Inc., New Orleans, La. Jams, fruit jellies, fruit preserves, etc. 550,378, Nov. 6; Serial No. 565,106, published July 3, 1951. Class 46.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. 283,797, renewed June 9, 1951. O. G. Nov. 6. Class 26.

Bell Enterprises, Santa Ana, Calif. Metal road barricade. 550,412, Nov. 6; Serial No. 578,253, published July 10, 1951. Class 50.

Belmont Distillery Co., Louisville, Ky., by Schenley Industries, Inc., New York, N. Y. Whiskey. 48,677, Jan. 9, 1906. Republished Nov. 6. Class 49.

Benard & Honnorat, Grasse, Alpes Maritimes, France. Perfumes, toilet waters, colognes, etc. 550,462, Nov. 6; Serial No. 591,551, published July 3, 1951. Class 51.

Bendix Aviation Corporation, Detroit, Mich. Valves. 550,346, Nov. 6; Serial No. 528,145, published Aug. 21, 1951. Class 13.

Bennett's, Salt Lake City, Utah. Paints and fluid paint colorants. 550,446, Nov. 6; Serial No. 586,723, published Jan. 9, 1951. Class 16.

Black, R. H., Associates: *See*—
Black, Ralph H.

Black, Ralph H., trading as R. H. Black Associates, Philadelphia, Pa. Plastic film in the nature of artificial leather. 550,417, Nov. 6; Serial No. 578,759, published Aug. 7, 1951. Class 50.

Blakeslee, Claude H., doing business as Silo-Seal Sales & Service, Denver, Colo. Petroleum asphaltic base penetrating and adhesive liquid containing pore-sealing ingredients. 550,579, Nov. 6; Serial No. 512,957. Class 12.

Bonnett, R. A., San Rafael, Calif. Kits for making model buildings. 550,478, Nov. 6; Serial No. 596,710, published Aug. 14, 1951. Class 50.

Borg-Warner Corporation, Chicago, Ill. Cleaner and polish. 550,467, Nov. 6; Serial No. 593,967, published July 31, 1951. Class 4.

Boston Metals Company, The, Chester, Pa. Forged steel chain links. 550,576, Nov. 6; Serial No. 609,391, published Aug. 7, 1951. Class 13.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Men's sport coats, jackets, jerkins, etc. 390,960, Oct. 14, 1941. Republished Nov. 6. Class 39.

Bowers Lighter Company: *See*—
Bowers Tool & Die Company.

Bowers Tool & Die Company, and also doing business as Bowers Lighter Company, Kalamazoo, Mich. Portable pyrophoric cigar or cigarette lighters. 550,442, Nov. 6; Serial No. 586,232, published July 24, 1951. Class 8.

Boyer International Laboratory, Incorporated, Chicago, Ill. Liquid hair dressing. 550,426, Nov. 6; Serial No. 581,167, published July 3, 1951. Class 51.

Boysen, Bigelow, Idaho Falls, Idaho. Package containing a liquid for coating the surfaces of gloves, etc. 550,409, Nov. 6; Serial No. 577,419, published July 31, 1951. Class 50.

Braden Winch Company, Tulsa, Okla. Automotive truck winches, automotive truck power takeoff machinery and power divider transmission machinery. 550,345, Nov. 6; Serial No. 522,854, published July 3, 1951. Class 23.

Brager-Eisenberg, Inc., Baltimore, Md. Paints. 550,475, Nov. 6; Serial No. 595,705, published Aug. 7, 1951. Class 16.

Brown, Fulton, doing business under the name of Horseshoe Forge, Lexington, Mass. Bells. 550,461, Nov. 6; Serial No. 591,453, published Aug. 21, 1951. Class 13.

Brown, Robert L., doing business as Robin Produce Company, East Detroit, Mich. Metal fastening clips. 550,393, Nov. 6; Serial No. 570,831, published Aug. 7, 1951. Class 13.

Buffalo Wire Works Co., Buffalo, N. Y. Wire cloth or fabric; metal chain link fence, etc. 550,487–8, Nov. 6; Serial Nos. 598,559–60, published Aug. 21, 1951. Class 13.

Burg, David, doing business as Motor City Packing Company, Detroit, Mich. Frozen hamburger, frozen steaks, frozen chops, etc. 550,584, Nov. 6; Serial No. 565,749. Class 46.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. 284,969, renewed July 14, 1951. O. G. Nov. 6. Class 21.

C & S Engineering Co.: *See*—
Scherrer, Richard.

California Medicinal Wine Co. to Padre Vineyard Company, Los Angeles, Calif. Medicinal and pharmaceutical preparations. 289,997, renewed Dec. 22, 1951. O. G. Nov. 6. Class 18.

California Packing Corporation, San Francisco, Calif. Edible fish oil. 289,676, renewed Dec. 1, 1951. O. G. Nov. 6. Class 46.

Calva, J. B., and Company: *See*—
Calva, Jose B.

Calva, Jose B., doing business as J. B. Calva and Company, Minneapolis, assignor to Calva Process Industries, Inc., St. Paul, Minn. Shampoo and hand and scalp creams. 550,356, Nov. 6; Serial No. 546,757, published Nov. 2, 1948. Class 51.

Calva Process Industries, Inc., assignee: *See*—
Calva, Jose B.

Canton Stamping & Enameling Company, The, Canton, Ohio. Porcelain enamel coated base metal cooking, kitchen and household ware. 550,348, Nov. 6; Serial No. 533,534, published Aug. 21, 1951. Class 13.

Cape Ann Isinglass Company, Marblehead, Mass. Clarifier for beer. 285,443, renewed July 28, 1951. O. G. Nov. 6. Class 6.

Carbon Products Company, The, Lancaster, Ohio, to Olin Industries, Inc., New Haven, Conn. Dry cells and batteries. 286,179, renewed Aug. 18, 1951. O. G. Nov. 6. Class 21.

Carbon Products Company, The, Lancaster, Ohio, to Olin Industries, Inc., New Haven, Conn. Dry cells and dry batteries, etc. 287,155, renewed Sept. 15, 1951. O. G. Nov. 6. Class 21.

Carnrick, G. W., Co., Newark, N. J. Active estrus inducing principles. 290,037, renewed Dec. 22, 1951. O. G. Nov. 6. Class 18.

Caron Corporation, New York, N. Y. Perfume extracts, perfume, toilet water, etc. 550,430, Nov. 6; Serial No. 583,426, published July 3, 1951. Class 51.

Carosio, Countess, Mariuccia D.-L., Asolo (Treviso), Italy. Dolls and accessories for dolls. 550,547, Nov. 6; Serial No. 605,634, published May 22, 1951. Class 22.

Celanese Corporation of America, New York, N. Y. Fabrics. 290,166, renewed Dec. 22, 1951. O. G. Nov. 6. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 290,268, renewed Dec. 29, 1951. O. G. Nov. 6. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 290,578, renewed Jan. 12, 1952. O. G. Nov. 6. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 290,673–4, renewed Jan. 12, 1952. O. G. Nov. 6. Class 42.

Century Metalcraft Corporation, Los Angeles, Calif. Vessels for top-of-stove baking, roasters, casserole-tureens, etc. 550,413, Nov. 6; Serial No. 578,257, published Aug. 21, 1951. Class 13.

Chase Protected Cultivation Limited, Shepperton, Middlesex, England. Portable miniature greenhouses. 550,523, Nov. 6; Serial No. 603,729, published July 31, 1951. Class 50.

Chevrolet Motor Company, to General Motors Corporation, Detroit, Mich. Combined automobile body polish and cleaner. 288,418, renewed Oct. 27, 1951. O. G. Nov. 6. Class 4.

Chun, Ellery J., Honolulu, Territory of Hawaii. Sportswear. 344,540, Mar. 30, 1937. Republished Nov. 6. Class 39.

Ciba Limited, Basle, Switzerland. Chemical products. 550,535, Nov. 6; Serial No. 604,766, published Aug. 21, 1951. Class 6.

Citrapak Corporation, The, Orlando, Fla. Fresh citrus fruits. 550,522, Nov. 6; Serial No. 603,667, published June 12, 1951. Class 46.

Civic Company, Limited, The, London, England. Tobacco pipes. 550,527, Nov. 6; Serial No. 604,145, published July 10, 1951. Class 8.

Clark Wire and Supply Corp., Houston, Tex. Wire screen. 550,574, Nov. 6; Serial No. 609,165, published Aug. 7, 1951. Class 13.

Cleveland Hobbing Machine Company, The, Euclid, Ohio. Lathes and turning machines. 550,358, Nov. 6; Serial No. 548,329, published July 31, 1951. Class 23.

Coating Materials Laboratories, Inc., Belleville, N. J. Baking enamels; lacquers; mixed oil paints, etc. 550,492, Nov. 6; Serial No. 598,833, published Aug. 7, 1951. Class 16.

Colorado Milling & Elevator Co., The, doing business as The Lamar Flour Mills Company, Denver and Lamar, Colo. Wheat flour. 550,364, Nov. 6; Serial No. 552,223, published July 3, 1951. Class 46.

Congdon, Waldo F., doing business as M-B Products, Detroit, Mich. Automatic air line lubricators, hand operated pneumatic grinders, etc. 550,392, Nov. 6; Serial No. 570,694, published July 31, 1951. Class 23.

Consolidated Automatic Merchandising Corporation, New York, to Peerless Weighing and Vending Machine Corporation, Long Island City, N. Y. Scale tickets. 288,026, renewed Oct. 20, 1951. O. G. Nov. 6. Class 38.

Consumers Gas Company of Georgia, Incorporated, Albany, Ga. Bottled propane heating gas. 550,494, Nov. 6; Serial No. 599,157, published Aug. 14, 1951. Class 6.

Consumers Gas Company of Georgia, Incorporated, Albany, Ga. Bottled propane heating gas. 550,497, Nov. 6; Serial No. 599,552, published Aug. 14, 1951. Class 6.

Continental Oil Company, Ponca City, Okla. Gasoline. 550,541, Nov. 6; Serial No. 605,147, published July 17, 1951. Class 15.

Corey Candies, Inc., Toledo, Ohio. Candies. 550,445, Nov. 6; Serial No. 586,592, published June 19, 1951. Class 46.

Crest Shoe Company: *See*—
Holmes-Terhune Company.

Crown-Columbia Pulp and Paper Company, to Crown Zellerbach Corporation, San Francisco, Calif. Paper bags. 84,602, re-renewed Dec. 26, 1951. O. G. Nov. 6. Class 2.

Crown Zellerbach Corporation: *See*—
Crown-Columbia Pulp and Paper Company.

Crum, L. H., Quitman, Ga. 100% pure canned horse meat. 550,369, Nov. 6; Serial No. 556,250, published Mar. 27, 1951. Class 46.

Cummins Engine Company, Inc., Columbus, Ind. Internal combustion engines and parts thereof. 550,558, Nov. 6; Serial No. 606,276, published July 31, 1951. Class 23.

Cure's Bindless Straps, Inc., Coxsackie, N. Y. Bindless straps for double chins and wrinkles. 550,595, Nov. 6; Serial No. 598,786. Class 44.

Daggett & Ramsdell, assignor to Daggett and Ramsdell, Inc., New York, N. Y. Hand-portable travel kit which contains cosmetics. 550,355, Nov. 6; Serial No. 545,722, published July 3, 1951. Class 51.

Daggett and Ramsdell, Inc.: *See*—
Daggett & Ramsdell.

Daimler-Benz Aktiengesellschaft, Berlin, to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Automotive vehicles. 285,557, renewed July 28, 1951. O. G. Nov. 6. Class 19.

Dan River Mills, Incorporated, Danville, Va. Preparations for increasing color fastness of dyed fabrics and yarns. 550,474, Nov. 6; Serial No. 595,360, published Aug. 14, 1951. Class 6.

D'Aprile, V. A., & Co.: *See*—
D'Aprile, Vito A.

D'Aprile, Vito A., doing business as V. A. D'Aprile & Co., Hartford, Conn. Olive oil. 550,437, Nov. 6; Serial No. 585,570, published June 12, 1951. Class 46.

Davies, Joseph R., doing business under the name of Joseph R. Davies & Associates, Chicago, Ill. Buffs and grinding wheels. 550,510, Nov. 6; Serial No. 602,375, published Aug. 7, 1951. Class 4.

Davies, Joseph R., & Associates: *See*—
Davies, Joseph R.

Delco Products Corporation, Dayton, Ohio, to General Motors Corporation, Detroit, Mich. Shock absorbers. 286,518, renewed Sept. 1, 1951. O. G. Nov. 6. Class 19.

Devoe & Raynolds Company, Inc., New York, N. Y. Alkyd resins for use as ingredients in the manufacture of industrial type paints. 550,457, Nov. 6; Serial No. 590,656, published Aug. 7, 1951. Class 16.

Delta Products Company, Wilson, Ark. Vegetable shortening. 550,468, Nov. 6; Serial No. 594,107, published July 10, 1951. Class 46.

Diamond Match Company, The, New York, N. Y. Wooden ice cream sticks. 550,575, Nov. 6; Serial No. 609,283, published Aug. 7, 1951. Class 13.

Dining Car Coffee Company: *See*—
Norwine Coffee Company.

Domino Canning Co., Inc., Bradenton, Fla. Canned grapefruit juice, orange juice, blended orange and grapefruit juice, etc. 550,544, Nov. 6; Serial No. 605,354, published Aug. 14, 1951. Class 46.

Douglas, Bernard M., to Roquefort Association, Inc., New York, N. Y. Roquefort cheese. 285,941, renewed Aug. 11, 1951. O. G. Nov. 6. Class 46.

Douglas, Bernard M., to Roquefort Association, Inc., New York, N. Y. Roquefort cheese. 286,270, renewed Aug. 25, 1951. O. G. Nov. 6. Class 46.

Drew, E. F., & Co., Inc., New York, N. Y. Compositions containing organic and inorganic chemicals. 550,583, Nov. 6; Serial No. 548,486. Class 6.

Economy Chemical Company: *See*—
Miele, John.

Economy Specialty Co.: *See*—
Miele, John.

8 in 1 Pet Products: *See*—
Schliesser, Harold.

Elliott Paint & Varnish Co., Chicago, Ill. Liquid asphalt roofing paint and a plastic asphalt roofing coating or filler. 550,342, Nov. 6; Serial No. 519,469, published Aug. 7, 1951. Class 16.

Erickson, Wallace A., & Co., Chicago, Ill. Cement. 550,370, Nov. 6; Serial No. 556,428, published July 31, 1951. Class 5.

Eterne Manufacturing Corporation, New York, N. Y. Shampoo tints. 550,408, Nov. 6; Serial No. 576,965, published Aug. 21, 1951. Class 52.

Ever-Tite Coupling Co. Inc., New York, N. Y. Separable hose couplings and fittings. 550,349, Nov. 6; Serial No. 536,512, published Aug. 21, 1951. Class 13.

Feed-O-Matic Co., Inc., Portland, Maine. Automatic mechanical poultry feeder. 550,451, Nov. 6; Serial No. 587,669, published July 3, 1951. Class 50.

Fellows Gear Shaper Company, The, Springfield, Vt. Metal cutting tools. 550,435, Nov. 6; Serial No. 584,446, published July 3, 1951. Class 23.

Feroleum Products, Inc., Irvington, to Feroleum Products, Inc., Newark, N. J. Liquid coating material. 287,395, renewed Sept. 22, 1951. O. G. Nov. 6. Class 16.

Field, Peter, Limited, Slough, Buckinghamshire, England. Men's socks. 550,456, Nov. 6; Serial No. 589,652, published Sept. 26, 1950. Class 39.

First Texas Chemical Manufacturing Co., Dallas, Tex. Medicinal preparation. 550,509, Nov. 6; Serial No. 601,863, published July 17, 1951. Class 18.

Flexlmold Co., New York, N. Y. Polyvinyl chloride liquid dispersions, and polysulfide rubbers. 550,398, Nov. 6; Serial No. 573,934, published Aug. 14, 1951. Class 6.

Flexwood Company, The, to The Flexwood Company, Chicago, Ill. Fabric-backed wood veneer. 286,555, renewed Sept. 1, 1951. O. G. Nov. 6. Class 12.

Flodar Corporation, Cleveland, Ohio. Hydraulic tube fittings. 550,366, Nov. 6; Serial No. 553,686, published Aug. 7, 1951. Class 13.

Foister, Arthur, & Sons Limited: *See*—
Marshall Field & Company.

Foot-Ill Co., Inc., The, Norwalk, Conn. Antiseptic, medicated and deodorant lotion. 550,473, Nov. 6; Serial No. 595,194, published July 3, 1951. Class 51.

Forster Mfg. Co., Inc., assignee: *See*—
United States Clothespin Company.

Freeman Shoe Corporation: *See*—
Melville Shoe Corporation.

French, R. T., Company, The, Rochester, N. Y. Personal antiseptic and germicide. 550,387, Nov. 6; Serial No. 569,370, published July 3, 1951. Class 18.

Friedman Silver Co., Inc., Brooklyn, N. Y. Table hollow ware. 289,297, renewed Nov. 24, 1951. O. G. Nov. 6. Class 13.

Friedman Silver Co., Inc., Brooklyn, N. Y. Table hollow ware plated with precious metal. 289,799, renewed Dec. 8, 1951. O. G. Nov. 6. Class 28.

Fritzsche Brothers, Inc., New York, N. Y. Flavoring compounds. 188,327, Aug. 26, 1924. Republished Nov. 6. Class 46.

Fritzsche Brothers, Inc., New York, N. Y. Maltless flavoring compounds. 188,342, Aug. 25, 1924. Republished Nov. 6. Class 45.

Fritzsche Brothers, Inc., New York, N. Y. Essential oils and aromatic chemical preparations. 188,456, Aug. 26, 1924. Republished Nov. 6. Classes 6 & 51.

Fritzsche Brothers, Inc., New York, N. Y. Flavoring extracts. 189,984, Sept. 30, 1924. Republished Nov. 6. Class 46.

Fritzsche Brothers, Inc., New York, N. Y. Oil of ylang-ylang. 197,837, Apr. 28, 1925. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Oil of ylang-ylang. 198,126, May 5, 1925. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Essential oils suitable for use in the production of soaps, perfumes, and toilet preparations. 201,271, July 21, 1925. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Combination of natural and synthetic aromatic substances. 302,931, May 2, 1933. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Products of a resinous nature and intended for addition to mixtures of essential oils and aromatic chemicals. 320,087, Dec. 18, 1934. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Natural and synthetic essential oils. 330,503, Dec. 3, 1935. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Natural and synthetic essential oils. 339,653, Oct. 13, 1936. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Natural and imitation food flavors. 340,149, Nov. 3, 1936. Republished Nov. 6. Class 46.

Fritzsche Brothers, Inc., New York, N. Y. Natural and synthetic essential oils. 341,144, Dec. 1, 1936. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Preservatives and anti-oxidants. 348,672, Aug. 3, 1937. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Oil of peppermint. 367,553, May 23, 1939. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Essential oils. 414,771, June 26, 1945. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Concentrated odor neutralizing and perfuming compounds, etc. 417,546, Oct. 30, 1945. Republished Nov. 6. Class 6.

Fritzsche Brothers, Inc., New York, N. Y. Fixative for compounded oils. 421,974, June 25, 1946. Republished Nov. 6. Classes 6, 51 and 52.

Fritzsche Brothers, Inc., New York, N. Y. Fixatives and fortifiers for perfumes. 422,031, June 25, 1946. Republished Nov. 6. Class 51.

Fritzsche Brothers, Inc., New York, N. Y. Substitutes for essential oils. 434,334, Nov. 18, 1947. Republished Nov. 6. Class 51.

Fritzsche Brothers, Inc., New York, N. Y. Synthetic chemical compound. 434,676, Dec. 2, 1947. Republished Nov. 6. Classes 18 and 51.

Frobana: *See*—
Frobana Aktiengesellschaft.

Frobana Aktiengesellschaft, Barmen, to Frobana, Wuppertal-Barmen, Germany. Machines for use in the manufacture of shoes and the like, etc. 266,662, renewed Jan. 28, 1950. O. G. Nov. 6. Class 23.

Frobana Aktiengesellschaft, Barmen, to Frobana, Wuppertal-Barmen, Germany. Thread and yarn. 262,890, renewed Oct. 29, 1949. O. G. Nov. 6. Class 43.

Frozen Foods Marketing Co., also known as Frozen Foods Marketing Co., Inc., San Francisco, Calif. Quick frozen frying chicken. 550,521, Nov. 6; Serial No. 603,582, published June 12, 1951. Class 46.

Frozen Foods Marketing Co., Inc.: *See*—
Frozen Foods Marketing Co.

Fungitrol Chemicals Incorporated, Hillside, N. J. Economic poisons wood preservative and mold and mildew proofer. 550,577, Nov. 6; Serial No. 611,417, published Aug. 14, 1951. Class 6.

Gamble-Skogmo, Inc., Minneapolis, Minn. Chick feeders, hog feeders, and chick fountains. 550,531, Nov. 6; Serial No. 604,343, published July 17, 1951. Class 50.

Gantner & Mattern Company, San Francisco, Calif. Fluorescent ready mixed paints, lacquers, enamels and paint water colors. 550,402, Nov. 6; Serial No. 575,702, published Aug. 14, 1951. Class 16.

General Latex and Chemical Corporation, Cambridge, Mass. Solution of dispersed synthetic resin. 550,538, Nov. 6; Serial No. 604,909, published Aug. 21, 1951. Class 6.

General Motors Corporation: *See*—
Chevrolet Motor Company.
Delco Products Corporation.

Gerber, R., & Co.: *See*—
Gerber, R., and Company.

Gerber, R., and Company, doing business as R. Gerber & Co., Chicago, Ill. Olive oil. 550,580, Nov. 6; Serial No. 528,127. Class 46.

Gey Band and Tag Company, Norristown, Pa. Identification devices. 550,525, Nov. 6; Serial No. 603,883, published July 17, 1951. Class 50.

Glit-O-Ring, Inc., Minneapolis, Minn. Liquid preparation for cleaning jewelry. 550,419, Nov. 6; Serial No. 579,278, published Aug. 7, 1951. Class 52.

Globe Company, The, Chicago, Ill. Agitators, agitator kettles, air compressors, bailing presses, etc. 550,357, Nov. 6; Serial No. 548,069, published Apr. 4, 1950. Class 23.

Globe Slicing Machine Co., Inc., Stamford, Conn. Slicing machines, and parts thereof. 550,359, Nov. 6; Serial No. 548,360, published Aug. 8, 1950. Class 23.

Goebel, W., Porzellanfabrik Oeslau und Wilhelmsfeld, Oeslau near Coburg, Germany. Earthenware figures and wall plaques. 550,571, Nov. 6; Serial No. 608,969, published Aug. 7, 1951. Class 50.

Goebel, W., Porzellanfabrik Oeslau und Wilhelmsfeld, Oeslau near Coburg, Germany. Earthenware figures and wall plaques. 550,572, Nov. 6; Serial No. 608,970, published July 10, 1951. Class 50.

Goheen Corporation of New Jersey, by Vita-Var Corporation, Newark, N. J. Ready mixed paint. 252,109, Jan. 22, 1929. Republished Nov. 6. Class 16.

Gonzalo Boza & Co, Inc., to Gonzalo Boza F., New York, N. Y. Tanned leather. 289,312, renewed Nov. 24, 1951. O. G. Nov. 6. Class 1.

Gonzalo Boza F.: *See*—
Gonzalo Boza & Co. Inc.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Camelback. 550,599, Nov. 6; Serial No. 606,705. Class 35.

Grand Rapids Hardware Co., Grand Rapids, Mich. Sash balances. 550,395, Nov. 6; Serial No. 572,651, published Aug. 7, 1951. Class 13.

Granite Textile Mills Inc.: *See*—
Patex Fibre Corporation.

Greatrex Ltd., New York, N. Y. Tobacco pouches, cigarette cases. 550,485, Nov. 6; Serial No. 598,360, published July 10, 1951. Class 8.

Gregory, Dowilder J., San Francisco, Calif. Hair preparations—namely, hair and scalp ointment. 550,403, Nov. 6; Serial No. 575,985, published July 3, 1951. Class 18.

Guy, Ralph L., doing business under the fictitious name and style of The Vitmora Company, Glendale, Calif. Multi-vitamin and multi-mineral preparation. 550,555, Nov. 6; Serial No. 606,216, published July 17, 1951. Class 18.

Hardesty, W. C., Company, Inc., New York, N. Y. Stearic acid, red oil, and glycerine. 550,517, Nov. 6; Serial No. 602,946, published Aug. 14, 1951. Class 6.

Hastings & Co., Inc., Philadelphia, Pa. Gold and platinum for use in dental restoration and repair. 550,439, Nov. 6; Serial No. 585,998, published July 31, 1951. Class 44.

Hawkeye Steel Products, Inc., Waterloo, Iowa. Farm machinery and barnyard equipment. 550,372, Nov. 6; Serial No. 556,579, published Aug. 7, 1951. Class 50.

Hayes, Anthony P., Inglewood, Calif. Hats. 327,690, Sept. 3, 1935. Republished Nov. 6. Class 39.

Hennessey, Thomas A., Chicago, Ill. Small statues. 550,501, Nov. 6; Serial No. 599,944, published July 31, 1951. Class 50.

Hershel California Fruit Products Co., San Jose, Calif. Food products. 550,380, Nov. 6; Serial No. 565,930, published June 19, 1951. Class 46.

Hinchliffe, Isabel: *See*—
Sears & Hinchliffe.

Holmes-Terhune Company, to Crest Shoe Company, Lewiston, Maine. Boots and shoes. 290,353, renewed Jan. 5, 1951. O. G. Nov. 6. Class 39.

Horseshoe Forge: *See*—
Brown, Fulton.

Horton & Converse, Los Angeles, Calif. Anti-histaminic pharmaceutical preparation. 550,443, Nov. 6; Serial No. 586,484, published July 3, 1951. Class 18.

Huff Canneries, Incorporated: *See*—
Kriete, John E.

Hysan Products Company, Chicago, Ill. Combination urinal strainer and urinal deodorizer. 550,434, Nov. 6; Serial No. 584,233, published Aug. 14, 1951. Class 13.

Imperial Chemical (Pharmaceuticals) Limited, Slough, England. Derivatives of chlorophenylisopropyl biguanide. 550,407, Nov. 6; Serial No. 576,330, published July 3, 1951. Class 18.

Infantcy Products Company, Inc., The, Norwich, N. Y. Sanitizing preparation. 550,441, Nov. 6; Serial No. 586,170, published Aug. 14, 1951. Class 6.

International Business Machines Corporation, New York, N. Y. 550,421, Nov. 6. Inking ribbons and inks, carbon paper and carbon ribbons, Serial No. 579,427, published Oct. 17, 1950, Class 11; Electrical and electronic apparatus, Serial No. 579,426, published Oct. 17, 1950, Class 21; Typewriting machines, Serial No. 579,422, published May 30, 1950, Class 23; Calculating machines, multiplying machines, dividing machines, etc., Serial No. 579,429, published July 10, 1951, Class 26; Clocks, clock systems, athletic timers, etc., Serial No. 579,430, published Jan. 16, 1951, Class 27; Time card racks, Serial No. 579,424, published July 3, 1951, Class 32; Mechanical pencils, pencils, pencil leads, etc., Serial No. 579,431, published Apr. 17, 1951, Class 37; Books, pamphlets, leaflets, etc., Serial No. 579,425, published Nov. 21, 1950, Class 38. (Consolidated Certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)

International Mutoscope Corporation: *See*—
International Mutoscope Reel Co. Inc.

International Mutoscope Reel Co. Inc., New York, to International Mutoscope Corporation, Long Island City, N. Y. Coin operated vending and amusement machines. 289,568, renewed Dec. 1, 1951. O. G. Nov. 6. Class 23.

International Paint Company, Inc., New York, N. Y. Ready-mixed paints, varnishes, paint enamels, etc. 550,352, Nov. 6; Serial No. 542,137, published Aug. 7, 1951. Class 16.

International Tool Corporation, Chula Vista, Calif. Hydraulic sleeve removing and inserting units, hydraulic ram, etc. 550,362, Nov. 6; Serial No. 551,460, published July 24, 1951. Class 23.

Jackson, Isaac, & Sons Limited, Glossop, England. Machine belt fasteners of ordinary metal. 550,556, Nov. 6; Serial No. 606,227, published Aug. 21, 1951. Class 13.

Johnson, Gordon, Company, Kansas City, Mo. Machines for eviscerating, washing, and packing poultry. 550,561, Nov. 6; Serial No. 606,473, published Aug. 14, 1951. Class 23.

Kabo Corset Company, Chicago, Ill., now by change of name Kabo, Inc. Brassières. 550,377, Nov. 6; Serial No. 563,343, published Oct. 10, 1950. Class 39.

Kabo, Inc.: *See*—
Kabo Corset Company.

Kalex Corporation, New York, N. Y. Clocks. 550,596, Nov. 6; Serial No. 603,298. Class 27.

Kellett, Leo L., Kansas City, Mo. Closures for containers. 550,480, Nov. 6; Serial No. 597,528, published Aug. 7, 1951. Class 50.

Kenron Steel Products: *See*—
Turkin, Nathan H.

Kinnard, Incorporated, Little Falls, N. J. Sterilizing units for flush type toilets. 550,539, Nov. 6; Serial No. 605,098, published Aug. 14, 1951. Class 13.

Knight, John V., Minneapolis, Minn. Medicinal preparation. 550,428, Nov. 6; Serial No. 581,721, published July 3, 1951. Class 18.

Kohnstamm, H., & Co., Inc., New York, N. Y. Water softener and color brightener. 550,464, Nov. 6; Serial No. 591,738, published Aug. 14, 1951. Class 6.

Kraft Foods Company: *See*—
Pabst Corporation.

Krantz Brewing Co., The, to Krantz Brewing Corporation, Findlay, Ohio. Beer. 84,183, re-renewed Nov. 14, 1951. O. G. Nov. 6. Class 48.

Krantz Brewing Corporation: *See*—
Krantz Brewing Co., The.

Kriete, John E., to Huff Canneries, Incorporated, Roanoke, Va. Canned fruits and vegetables. 51,080, Apr. 3, 1906. New certificate. O. G. Nov. 6. Class 46.

Kroesen, Margaret A.: *See*—
B & P Company, The.

Kuster Laboratories, Inc., San Francisco, Calif. Concentrated solution of amino acids, vitamins and minerals. 550,459, Nov. 6; Serial No. 590,815, published July 3, 1951. Class 18.

Laher Spring and Tire Corporation, Oakland, Calif. Automotive brake materials. 550,436, Nov. 6; Serial No. 584,499, published Aug. 7, 1951. Class 35.

Lamar Flour Mills Company, The: *See*—
Colorado Milling & Elevator Co., The.

Lang, Harry, Manufacturing Co., Des Moines, Iowa, assignee of Lang Industries. Overalls. 550,350, Nov. 6; Serial No. 540,684, published Aug. 7, 1951. Class 39.

Lang Industries: *See*—
Lang, Harry, Manufacturing Co.

La Sierra Heights Canning Co., Inc., Buena Park, Calif. Canned vegetables and canned fruits. 183,798, May 6, 1924. Republished Nov. 6. Class 46.

Lasser, Aaron: *See*—
Michaelis, Beatrice Y., and Lasser.

Lavin, Parfums, Inc., Wilmington, Del., and New York, N. Y., to Lanvin Parfums, Inc., New York, N. Y. Perfume extract. 290,192, renewed Dec. 22, 1951. O. G. Nov. 6. Class 51.

Lawrence Paper Company, The: *See*—
Lawrence Paper Manufacturing Company.

Lawrence Paper Manufacturing Company, to The Lawrence Paper Company, Lawrence, Kans. Paper. 288,796, renewed Nov. 3, 1951. O. G. Nov. 6. Class 37.

Leedal Stainless Steel Products, Inc., Chicago, Ill. Photographic equipment. 435,545, Dec. 30, 1947. Republished Nov. 6. Class 26.

Leggett, Francis H., & Co., New York, N. Y. Ammonia, laundry starch, lye, bleach, and disinfectant. 550,559, Nov. 6; Serial No. 606,385, published Aug. 14, 1951. Class 6.

Lehara Sales Corporation, New York, N. Y. Covers used to cover motor generators. 550,533, Nov. 6; Serial No. 604,642, published July 17, 1951. Class 50.

Lehon Company, The, Chicago, Ill. Banners, bird houses, door mats, etc. 444,595, Nov. 6; Serial No. 520,750, published July 10, 1951. Class 50.

Leone, Joseph, Brooklyn, N. Y. Empty portable tool boxes. 444,594, Nov. 6; Serial No. 517,490, published Aug. 7, 1951. Class 23.

Levey, Frances: *See*—
Schliesser, Harold.

Lewis, F. Harold, doing business as Rogers Park Drug Company, Baltimore, Md. Antiseptic mouth wash. 550,515, Nov. 6; Serial No. 602,767, published July 3, 1951. Class 18.

Lockrey, Andrew J., doing business as The Lockrey Company, College Point, N. Y. Liquid molybdenum base lubricant. 550,511, Nov. 6; Serial No. 602,463, published July 17, 1951. Class 15.

Lockrey Company, The: *See*—
Lockrey, Andrew J.

Lockrey-Fater Corporation, The, New York, N. Y. Resinous plastic protective coating composition, etc. 550,504, Nov. 6; Serial No. 601,054, published Aug. 7, 1951. Class 16.

Loewe & Co., Limited, London, England. Tobacco pipes. 550,564, Nov. 6; Serial No. 606,925, published Aug. 14, 1951. Class 8.

Loft Candy Corporation, Long Island City, N. Y. Candy. 550,340, Nov. 6; Serial No. 500,098, published Aug. 21, 1951. Class 46.

Lorillard, P., Company, New York, N. Y. Periodical publication. 550,506, Nov. 6; Serial No. 601,361, published July 24, 1951. Class 38.

Lyons-Magnus, Incorporated, San Francisco, Calif. Fresh fruits preserved with sugar; mince meat and fruit mix, etc. 550,365, Nov. 6; Serial No. 553,293, published July 3, 1951. Class 46.

M-B Products: *See*—
Congdon, Waldo F.

Macy, R. H., & Co., Inc., New York, N. Y. Pianos. 550,573, Nov. 6; Serial No. 609,093, published Aug. 7, 1951. Class 36.

Manning, Maxwell & Moore, Inc., New York, N. Y. Traveling cranes. 550,536, Nov. 6; Serial No. 604,854, published July 31, 1951. Class 23.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Material handling equipment. 550,373, Nov. 6; Serial No. 560,490, published Aug. 14, 1951. Class 23.

Markwell Manufacturing Company, Inc., New York, N. Y. Staples. 550,452, Nov. 6; Serial No. 588,310, published Aug. 7, 1951. Class 13.

Marshall Field & Company, Chicago, Ill., to Arthur Foister & Sons Limited, Leicester, England. Hosiery. 83,267, re-renewed Aug. 29, 1951. O. G. Nov. 6. Class 39.

Mason, William G., doing business as Triangle Manufacturing Company, Detroit, Mich. Sump pump. 550,534, Nov. 6; Serial No. 604,648, published July 24, 1951. Class 23.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 550,476, Nov. 6; Serial No. 596,604, published July 17, 1951. Class 18.

McClung, C. M., & Co., Knoxville, Tenn. Lavatories, door springs, bath tubs, etc. 550,360, Nov. 6; Serial No. 550,161, published Aug. 21, 1951. Class 13.

McCormick & Company, Inc., Baltimore, Md. Prepared mustard. 550,498, Nov. 6; Serial No. 599,575, published Aug. 7, 1951. Class 46.

Melville Shoe Corporation, New York, N. Y., to Freeman Shoe Corporation, Beloit, Wis. Shoes. 282,389, renewed Apr. 21, 1951. O. G. Nov. 6. Class 39.

Michaelis, Beatrice Y., and A. Lasser, Union City, N. J., executors of the estate of C. Michaelis, assignors to Basic Foods, Inc. Icing for cakes and cookies. 550,586, Nov. 6; Serial No. 581,241. Class 46.

Michaelis, Curt: *See*—
Michaelis, Beatrice Y., and Lasser.

Midwest Service Company, Chicago, Ill. Fly swatters. 550,482, Nov. 6; Serial No. 597,835, published Aug. 7, 1951. Class 50.

Miele, John, formerly doing business as Economy Specialty Co. and now doing business as Economy Chemical Company, Jersey City, N. J. Detergent or whitening agent. 550,420, Nov. 6; Serial No. 579,340, published Aug. 7, 1951. Class 52.

Miller, Ethel B., doing business as Millock, Elizabethton, Tenn. Medicinal preparation. 550,557, Nov. 6; Serial No. 606,228, published July 17, 1951. Class 18.

Millers Forge Mfg. Corp.: *See*—
Premier Cutlery, Inc.

Millock: *See*—
Miller, Ethel B.

Mineral Feeds, Inc., Minneapolis, Minn. Preparation of minerals and vitamins. 550,433, Nov. 6; Serial No. 583,940, published July 17, 1951. Class 18.

Montgomery Ward & Co.: *See*—
Montgomery Ward & Co., Incorporated.

Montgomery Ward & Co., Incorporated, also doing business as Montgomery Ward & Co., Chicago, Ill. Vitamins and vitamin preparations, cod liver oil and cod liver oil capsules, etc. 550,379, Nov. 6; Serial No. 565,444, published July 3, 1951. Class 18.

Motor City Packing Company: *See*—
Burg, David.

Muralo Company, Inc., The, New Brighton and Staten Island, N. Y. Latex base paints. 550,542, Nov. 6; Serial No. 605,221, published Aug. 7, 1951. Class 16.

Murphy, Brill & Sabner, Inc., New York, N. Y. Hosiery. 550,466, Nov. 6; Serial No. 592,922, published Aug. 14, 1951. Class 39.

Myerson, Ben, doing business as Ben Myerson Candy Co., Los Angeles, Calif. Candy. 550,429, Nov. 6; Serial No. 581,883, published July 3, 1951. Class 46.

Myerson, Ben, Candy Co.: *See*—
Myerson, Ben.

National Die Casting Company, Chicago, Ill. Wall type can openers and parts thereof. 550,449, Nov. 6; Serial No. 587,394, published July 31, 1951. Class 23.

National Enameling and Stamping Company, Milwaukee, Wis., now by change of name Nesco, Inc. Enameled ware. 550,343, Nov. 6; Serial No. 521,600, published Mar. 14, 1950. Class 13.

National Enameling and Stamping Company, Milwaukee, Wis., now by change of name Nesco, Inc. Tinware; and galvanized ware. 550,344, Nov. 6; Serial No. 521,601, published May 9, 1950. Class 13.

National Enameling and Stamping Company, Milwaukee, Wis., now by change of name Nesco, Inc. Tinware and galvanized ware. 550,423, Nov. 6; Serial No. 579,703, published May 9, 1950. Class 2.

National Industrial Laundries, Newark, N. J. Protective covers for automobiles, etc. 550,386, Nov. 6; Serial No. 569,090, published Aug. 14, 1951. Class 50.

National Lead Company, Sayreville, N. J., and New York, N. Y. Compositions for treatment of oil-well drilling fluids. 550,411, Nov. 6; Serial No. 577,896, published Aug. 14, 1951. Class 6.

Neely Bros., Marshall, Tex. Barbecue sandwiches. 550,581, Nov. 6; Serial No. 535,866. Class 46.

Nelson Chemicals Corporation, Detroit, Mich. Laundry detergents, industrial floor cleaning compounds, etc. 550,502, Nov. 6; Serial No. 600,137, published Aug. 7, 1951. Class 52.

Nelson Laboratories: *See*—
Nutritional Metals Corp.

Nelson, Oliver W.: *See*—
Nutritional Metals Corp.

Nesco, Inc.: *See*—
National Enameling and Stamping Company.

Newark Parchfine & Parchment Paper Co., Newark, N. J. Paper bags and cartons. 289,251, renewed Nov. 24, 1951. O. G. Nov. 6. Class 2.

Nolde and Horst Company, The, Reading, Pa. Women's hosiery. 550,479, Nov. 6; Serial No. 597,223, published Aug. 14, 1951. Class 39.

Nopyron Corporation, New York, N. Y. Paint. 550,489, Nov. 6; Serial No. 598,671, published Aug. 7, 1951. Class 16.

Norfolk Paint & Varnish Company, Quincy and Atlantic, to Norfolk Paint & Varnish Company, Quincy, Mass. Dry paste, ready-mixed and enamel paints. 285,735, renewed Aug. 4, 1951. O. G. Nov. 6. Class 16.

Norsk Frossenfisk A/L, Oslo, Norway. Frozen fish products. 550,382, Nov. 6; Serial No. 567,085, published Aug. 14, 1951. Class 46.

Norwine Coffee Company, to Dining Car Coffee Company, St. Louis, Mo. Coffee. 84,187, re-renewed Nov. 14, 1951. O. G. Nov. 6. Class 46.

Novadel-Agene Corporation, Belleville, N. J. Reagent gas. 550,427, Nov. 6; Serial No. 581,563, published Aug. 14, 1951. Class 6.

Nutrition Enterprises, Chicago, Ill. Multiple vitamin preparation. 550,491, Nov. 6; Serial No. 598,749, published July 17, 1951. Class 18.

Nutritional Metals Corp., Hasbrouck Heights, N. J., by O. W. Nelson, doing business as Nelson Laboratories, Sioux Falls, S. Dak. Bone flour. 425,502, Nov. 26, 1946. Republished Nov. 6. Class 46.

Nydqvist & Holm Aktiebolag, Trollhattan, Sweden. Military and agricultural tractors, steam and diesel engined locomotives, etc. 550,495, Nov. 6; Serial No. 599,389, published July 31, 1951. Class 23.

Nyrose Laboratories, Inc., New York, N. Y. Vitamin sedatives. 550,401, Nov. 6; Serial No. 575,544, published July 3, 1951. Class 18.

Olin Industries, Inc.: *See*—
Carbon Products Company, The.

Osterreichische Knopf-und Metallwarenfabrik J. Meister & Co., Vienna, Austria. Cigarette, cigar and pipe lighters. 550,414, Nov. 6; Serial No. 578,616, published July 31, 1951. Class 8.

Osterreichische Knopf-und Metallwarenfabrik J. Meister & Co., Vienna, Austria. Cigarette, cigar and pipe lighters. 550,415, Nov. 6; Serial No. 578,618, published July 24, 1951. Class 8.

P. & W. Chemical Co., The, Palmyra, Pa. Preparation for the treatment of fungus infection. 550,537, Nov. 6; Serial No. 604,860, published July 17, 1951. Class 18.

Pabst Corporation, Milwaukee, Wis., by Kraft Foods Company, Chicago, Ill. Cheese. 199,311, June 9, 1925. Republished Nov. 6. Class 46.

Packard, E. B., Co., Inc., New York, N. Y. Wood fasteners. 550,444, Nov. 6; Serial No. 586,495, published Aug. 14, 1951. Class 13.

Padre Vineyard Company: *See*—
California Medicinal Wine Co.

Paine & Williams Company, The, Cleveland, Ohio. Flexible rubber mats. 550,483, Nov. 6; Serial No. 598,103, published July 17, 1951. Class 50.

Palmer Candy Company: *See*—
Palmer, W. B., Estate.

Palmer, Mabel, Vineburg, Calif. Animal figures and miniature pins in the nature of insignia. 444,593, Nov. 6; Serial No. 485,830, published July 17, 1951. Class 50.

Palmer, W. B., Estate, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 550,422, Nov. 6; Serial No. 579,510, published Jan. 16, 1951. Class 46.

Parker Pipe Company Limited, The, London, England. Pyrophoric cigar and cigarette lighters and flints therefor. 550,405, Nov. 6; Serial No. 576,068, published July 24, 1951. Class 8.

Parker Pipe Company Limited, The, London, England. Tobacco pipes, tobacco pouches, tobacco boxes and jars, etc. 550,406, Nov. 6; Serial No. 576,069, published July 24, 1951. Class 8.

Patek and Co., San Francisco, Calif. Quick acting liquid preparation for removal of blood stains from fabrics. 550,455, Nov. 6; Serial No. 589,408, published Aug. 7, 1951. Class 52.

Patex Fibre Corporation, Montville, to Granite Textile Mills Inc., Midland Park, N. J. Towels and toweling. 290,272, renewed Dec. 29, 1951. O. G. Nov. 6. Class 42.

Pax Products, Inc., New York and Brooklyn, N. Y. Ash-trays. 550,543, Nov. 6; Serial No. 605,229, published July 24, 1951. Class 8.

Payne, Joseph D., Glendale, Calif. Sterilizing and softening agent. 550,472, Nov. 6; Serial No. 594,724, published Aug. 14, 1951. Class 6.

Peerless Weighing and Vending Machine Corporation: *See*—
Consolidated Automatic Merchandising Corporation.

Perc-Tone Aluminum Products, Inc., Brooklyn, N. Y. Lids for coffee percolators. 550,569, Nov. 6; Serial No. 607,719, published Aug. 21, 1951. Class 13.

Pflueger, Wallace V., doing business as The Smo-Kerchief Company, St. Louis, Mo. Cigarette filters. 550,524, Nov. 6; Serial No. 603,853, published July 10, 1951. Class 8.

Philadelphia Quartz Company, Philadelphia, Pa. Consultation services. 546,401, Aug. 7, 1951. Corrected. O. G. Nov. 6. Class 100.

Phoenix Table Mat Co., Chicago, Ill. Table mats, stove mats, and household utility mats. 550,532, Nov. 6; Serial No. 604,491, published Aug. 14, 1951. Class 50.

Pierce, S. S., Co., Boston, Mass. Smokers' pipes. 550,512, Nov. 6; Serial No. 602,567, published June 19, 1951. Class 8.

Pinehurst Textiles, Inc., Asheboro, N. C. Ladies' and children's underwear. 550,363, Nov. 6; Serial No. 551,818, published Sept. 20, 1949. Class 39.

Pitman-Moore Company, Indianapolis, Ind., to Allied Laboratories, Inc., also doing business as Pitman-Moore Company, Division of Allied Laboratories, Inc., Kansas City, Mo. Medicine for treating necrotic inflammation. 286,601, renewed Sept. 1, 1951. O. G. Nov. 6. Class 18.

Pitman-Moore Company, Indianapolis, Ind., to Allied Laboratories, Inc., also doing business as Pitman-Moore Company, Division of Allied Laboratories, Inc., Kansas City, Mo. Medicine for treating pulmonary infections. 286,604, renewed Sept. 1, 1951. O. G. Nov. 6. Class 18.

Pitman-Moore Company, Indianapolis, Ind., to Allied Laboratories, Inc., also doing business as Pitman-Moore Company, Division of Allied Laboratories, Inc., Kansas City, Mo. Vermicide and purgative. 287,139, renewed Sept. 15, 1951. O. G. Nov. 6. Class 18.

Pitman-Moore Company, Division of Allied Laboratories, Inc.: *See*—
Pitman-Moore Company.

Plant Protection Limited, Yalding, Kent, England. Insecticides, fungicides, and weed-killers. 550,479, Nov. 6; Serial No. 594,582, published Aug. 14, 1951. Class 6.

Plibrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. 550,592, Nov. 6; Serial No. 589,333. Class 12.

Polar Water Company: *See*—
Water Delivery Company.

Prairie States Oil & Grease Company, Danville, Ill., assignee of Prairie States Oil & Grease Company, Hydraulic brake fluids. 550,589, Nov. 6; Serial No. 586,988. Class 6.

Premier Cutlery, Inc., by Millers Forge Mfg. Corp., New York, N. Y. Nail files, tweezers, nail clips, etc. 168,713, May 29, 1923. Republished Nov. 6. Class 44.

Protane Corporation, The, Erie, Pa. Liquefied petroleum gas. 550,594, Nov. 6; Serial No. 596,192. Class 6.

Pure Oil Company, The, Chicago, Ill. Motor lubricating oil. 550,507, Nov. 6; Serial No. 601,510, published July 17, 1951. Class 15.

Purity Bakeries Corporation, Chicago, Ill. Cakes and doughnuts. 550,519, Nov. 6; Serial No. 603,379, published July 10, 1951. Class 46.

Quaker Rubber Corporation, Philadelphia, Pa. Rubber lined cotton fire hose. 550,450, Nov. 6; Serial No. 587,506, published Aug. 7, 1951. Class 35.

Quigley Company, Inc., New York, N. Y. Improved cleaning compound. 287,468, renewed Sept. 29, 1951. O. G. Nov. 6. Class 52.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resins. 550,562, Nov. 6; Serial No. 606,681, published Aug. 21, 1951. Class 6.

Republic Paint & Varnish Co., Chicago, Ill. Ready-mixed paints, paint enamels, varnish, etc. 550,351, Nov. 6; Serial No. 541,966, published Aug. 7, 1951. Class 16.

Richardson, Marion, doing business as Richy Kreme Products, Maryville, Tenn. Doughnuts, pies and ice cream. 550,585, Nov. 6; Serial No. 579,759. Class 46.

Richy Kreme Products: *See*—
Richardson, Marion.

Roberts, R. P., trading and doing business as R. P. Roberts Mfg. Co., McPherson, Kans. Anti-freeze compounds. 550,465, Nov. 6; Serial No. 592,101, published Aug. 14, 1951. Class 6.

Roberts, R. P., Mfg. Co.: *See*—
Roberts, R. P.

Robin Produce Company: *See*—
Brown, Robert L.

Robins, A. H., Company, Inc., Richmond, Va. Antispasmodic preparation. 550,513, Nov. 6; Serial No. 602,634, published July 17, 1951. Class 18.

Robins, A. H., Company, Inc., Richmond, Va. Antacid preparation. 550,514, Nov. 6; Serial No. 602,635, published July 17, 1951. Class 18.

Rogers Park Drug Company: *See*—
Lewis, F. Harold.

Root Manufacturing Co., Inc., Baxter Springs, Kans. Power lawn mowers. 550,567, Nov. 6; Serial No. 607,562, published July 24, 1951. Class 23.

Root Manufacturing Co., Inc., Baxter Springs, Kans. Power lawn mowers and saws. 550,568, Nov. 6; Serial No. 607,561, published July 24, 1951. Class 23.

Roquefort Association, Inc.: *See*—
Douglas, Bernard M.

Rutledge, R. O., doing business as Veri-Krisp Potato Chip Co., Fort Worth, Tex. Potato chips. 550,588, Nov. 6; Serial No. 585,952. Class 46.

Ryder Manufacturing Company, Chicago, Ill. Flexible metal tubing. 550,453, Nov. 6; Serial No. 588,598, published Aug. 14, 1951. Class 13.

Sahara Waterless Soap Co.: *See*—
Thompson, Frank E., Jr.

Salem Tool Company, The, Salem, Ohio. Rock, earth, and coal drilling and boring machines. 550,566, Nov. 6; Serial No. 607,522, published Aug. 14, 1951. Class 23.

Sandscott Plastic Corporation, Buffalo, N. Y. Expansion bolts. 550,347, Nov. 6; Serial No. 530,029, published Aug. 14, 1951. Class 13.

Schaible Company, The, Cincinnati, Ohio. Globe valves, angle stop valves, etc. 550,496, Nov. 6; Serial No. 599,455, published Aug. 21, 1951. Class 13.

Schaible Company, The, Cincinnati, Ohio. Gate valves, gage cocks, globe valves, etc. 550,565, Nov. 6; Serial No. 607,355, published Aug. 21, 1951. Class 13.

Schenley Industries, The: *See*—
Belmont Distillery Co.

Schenley Laboratories, Inc., New York, N. Y. Chemical laxative. 550,549, Nov. 6; Serial No. 605,874, published July 3, 1951. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Chemical laxative. 550,550, Nov 6; Serial No. 605,876, published July 3, 1951. Class 18.

Scherer, R. P., Corporation, Detroit, Mich. Capsulated vitamin supplement preparations, for addition to foods, etc. 550,375–6, Nov. 6; Serial Nos. 563,021–2, published June 19, 1951. Class 46.

Scherrer, Richard, doing business under the name and style of C & S Engineering Co., Woodside, Calif. Vacuum sealing covers. 550,545, Nov. 6; Serial No. 605,371, published Aug. 7, 1951. Class 50.

Schlee, W. H., Inc., Lockport, N. Y. Spinning tops and rocking horses. 550,578, Nov. 6; Serial No. 614,634, published Aug. 21, 1951. Class 22.

Schliesser, Harold, doing business as 8 in 1 Pet Products, to F. Levey, New York, N. Y. Health, song, and vigor restorer (for birds), combined tonic and bitters, etc. 282,948, renewed May 5, 1951. O. G. Nov. 6. Class 18.

Schwarz Laboratories, Inc., New York, N. Y. 6-methyl-thio-uracil for anti-thyroid medicament. 550,425, Nov. 6; Serial No. 580,951, published June 5, 1951. Class 18.

Scientific Oil Compounding Company, Inc., Chicago, Ill. Fungicidal material. 550,448, Nov. 6; Serial No. 587,090, published Aug. 14, 1951. Class 6.

Scientific Supply Co., Inc., Denver, Colo. Insecticides. 550,529, Nov. 6; Serial No. 604,235, published Aug. 14, 1951. Class 6.

Scorber Distributing Co., Inc., Denver, Colo. Body and breath deodorant for internal use. 550,546, Nov. 6; Serial No. 605,497, published July 3, 1951. Class 18.

Sears and Hinchliffe: *See*—
Sears & Hinchliffe.

Sears & Hinchliffe, by Isabel Hinchliffe, doing business as Sears and Hinchliffe, Old Orchard, Maine. Candy. 233,904, Oct. 11, 1927. Republished Nov. 6. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Lawn sprinklers, hose couplings, hose nozzles, etc. 550,390, Nov. 6; Serial No. 570,648, published Aug. 7, 1951. Class 13.

Sears, Roebuck and Co., Chicago, Ill. Bathroom fixtures, curtain rods, curtain rod brackets, etc. 550,447, Nov. 6; Serial No. 586,767, published Aug. 14, 1951. Class 13.

Sexauer, J. A., Mfg. Co. Inc., New York, N. Y. Metal washers, metal flush L's, metal flanges, bolts, etc. 550,353, Nov. 6; Serial No. 545,285, published Aug. 21, 1951. Class 13.

Seymour of Sycamore, Inc., Sycamore, Ill. Liquid paints including enamels. 550,593, Nov. 6; Serial No. 592,522. Class 16.

Shakespeare Company, Kalamazoo, Mich. Fishing reels. 282,509, renewed Apr. 21, 1951. O. G. Nov. 6. Class 22.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibiotic inhalator. 550,399, Nov. 6; Serial No. 574,866, published July 3, 1951. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibiotic inhalator. 550,400, Nov. 6; Serial No. 575,302, published July 3, 1951. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial suspension. 550,493, Nov. 6; Serial No. 599,126, published July 17, 1951. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Anthelmintic preparation. 550,503, Nov. 6; Serial No. 600,231, published July 17, 1951. Class 18.

Sheffield Bronze Paint Corporation, Cleveland, Ohio. Oil paints and enamels. 550,591, Nov. 6; Serial No. 588,187. Class 16.

Sheppard, Newman B., Newark, N. J. Absorbent and disposable fabric comb accessory. 550,587, Nov. 6; Serial No. 585,193. Class 40.

Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. 357,771, June 14, 1938. Republished Nov. 6. Class 39.

Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. 360,241, Sept. 13, 1938. Republished Nov. 6. Class 39.

Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. 363,994, Jan. 17, 1939. Republished Nov. 6. Class 39.

Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. 435,314, Dec. 16, 1947. Republished Nov. 6. Class 39.

Silo-Seal Sales & Service: *See*—
Blakeslee, Claude H.

Smo-Kerchief Company, The: *See*—
Pflueger, Wallace V.

Snyder, R. W., Company, Battle Creek, Mich. Flavored syrups. 550,354, Nov. 6; Serial No. 545,552, published Aug. 14, 1951. Class 46.

Societe Civile de Recherches Chimiques et Therapeutiques, Sceaux (Seine), France. Pharmaceutical preparations. 550,383, Nov. 6; Serial No. 567,437, published July 31, 1951. Class 18.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. High-boiling hydro-carbon petroleum oil. 550,385, Nov. 6; Serial No. 568,869, published Aug. 7, 1951. Class 6.

Solvents and Plastics Company, St. Louis, Mo. Metal paint primers and metal paints. 550,384, Nov. 6; Serial No. 568,682, published Aug. 7, 1951. Class 16.

Sparglo Laboratories: *See*—
Turner, Robert.

Staminite Corporation, New Haven, Conn. Transparent stainproof, waterproof coating compound in the nature of a paint or varnish. 286,571, renewed Sept. 1, 1951. O. G. Nov. 6. Class 16.

Standard Garments, Inc., Baltimore, Md. Work shirts, work pants, and dungarees. 550,424, Nov. 6; Serial No. 580,525, published June 12, 1951. Class 39.

Standard Milling Company, Chicago, Ill. Wheat flour. 550,404, Nov. 6; Serial No. 576,022, published June 19, 1951. Class 46.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils and greases. 287,741, renewed Oct. 6, 1951. O. G. Nov. 6. Class 15.

Standard Ultramarine Co., The, Huntington, W. Va. Pigments for use in the manufacture of protective coatings. 550,381, Nov. 6; Serial No. 566,365, published Aug. 7, 1951. Class 16.

Star Metal Products Co., Brooklyn, N. Y. Bolts, catches, chains, etc. 550,520, Nov. 6; Serial No. 603,388, published Aug. 21, 1951. Class 13.

Steffen Dairy Foods Company, Inc., Wichita, Kans. Fluid non-fat milks. 550,505, Nov. 6; Serial No. 601,175, published June 12, 1951. Class 46.

Stockbridge, David L., and E. M., doing business as Susan Alameda, Melrose, Mass. Bath oil. 550,598, Nov. 6; Serial No. 605,391. Class 51.

Stockbridge, Elizabeth M.: *See*—
Stockbridge, David L., and E. M.

Sun Chemical Corporation, Long Island City, N. Y. Pigment-resin dispersions. 550,560, Nov. 6; Serial No. 606,445, published Aug. 21, 1951. Class 6.

Sun Rubber Company, The, Barberton, Ohio. Floor mats, shower mats, bath mats, etc. 550,481, Nov. 6; Serial No. 597,639, published July 17, 1951. Class 50.

Susan Alameda: *See*—
Stockbridge, David L., and E. M.

Swift & Company: *See*—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Soap. 288,985, renewed Nov. 10, 1951. O. G. Nov. 6. Class 52.

Tarbonis Company, The, Cleveland, Ohio. Combination of a coal tar extract and an anti-histamine. 550,471, Nov. 6; Serial No. 594,673, published Mar. 6, 1951. Class 18.

Teletype Corporation, to Teletypesetter Corporation, Chicago, Ill. Typesetting and type-casting apparatus and mechanical control units, perforators, reperforators, etc. 284,631, renewed July 7, 1951. O. G. Nov. 6. Class 23.

Teletypesetter Corporation: *See*—
Teletype Corporation.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,417–19, re-renewed Dec. 12, 1951. O. G. Nov. 6. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,421, re-renewed Dec. 12, 1951. O. G. Nov. 6. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,425, re-renewed Dec. 12, 1951. O. G. Nov. 6. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,427–8, re-renewed Dec. 12, 1951. O. G. Nov. 6. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,430–33, re-renewed Dec. 12, 1951. O. G. Nov. 6. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,437, re-renewed Dec. 12, 1951. O. G. Nov. 6. Class 15.

Thompson, Frank E., Jr., doing business as Sahara Waterless Soap Co., Grand Rapids, Mich. Waterless hand soap. 550,416, Nov. 6; Serial No. 578,652, published Aug. 15, 1950. Class 52.

Transmission Supplies, Incorporated, Greensboro, N. C. Machine transmissions, and parts thereof. 550,530, Nov. 6; Serial No. 604,331, published July 24, 1951. Class 23.

Tresidder and Moore, North Williamstown, Australia. Clips for connecting hose to fixtures, fittings for connecting hose to taps. 550,388, Nov. 6; Serial No. 569,938, published Aug. 21, 1951. Class 13.

Triangle Manufacturing Company: *See*—
Mason, William G.

True Temper Corporation, Cleveland, Ohio, by change of name from The American Fork & Hoe Company. Wooden handles for hand tools, etc. 550,339, Nov. 6; Serial No. 478,736, published Aug. 7, 1951. Class 23.

Turkin, Nathan H., doing business under the name of Kenron Steel Products, Chicago, Ill. Shower cabinets and sink cabinets equipped with sinks. 550,469, Nov. 6; Serial No. 594,502, published Aug. 21, 1951. Class 13.

Turner, Robert, doing business as Sparglo Laboratories, Bridgeport, Conn. Cosmetic preparations. 550,410, Nov. 6; Serial No. 577,756, published July 3, 1951. Class 51.

Twin City Seed Company, Minneapolis, Minn. Liquified concentrate for killing weeds. 550,552, Nov. 6; Serial No. 605,930, published Aug. 14, 1951. Class 6.

Undertakers Supply Co., Chicago, Ill. Liquid which converts into a cohesive, firm plastic mass upon contact with tissue fluids for use in embalming. 550,597, Nov. 6; Serial No. 604,754. Class 6.

Union Products Company, The, Cleveland, Ohio. Asphalt compounds. 289,347, renewed Nov. 24, 1951. O. G. Nov. 6. Class 12.

U. S. Bottlers Machinery Company, Chicago, Ill. Flexible tubing. 550,463, Nov. 6; Serial No. 591,598, published Aug. 7, 1951. Class 35.

United States Clothespin Company, assignor to Forster Mfg. Co., Inc., Farmington, Maine, Clothespins. 550,341, Nov. 6; Serial No. 517,219, published Nov. 2, 1948. Class 24.

United States Rubber Company, New York, N. Y. Belting. 550,418, Nov. 6; Serial No. 579,007, published Aug. 14, 1951. Class 35.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 550,548, Nov. 6; Serial No. 605,817, published July 3, 1951. Class 18.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Chemical compound to increase luster and leveling of paints. 550,540, Nov. 6; Serial No. 605,125, published Aug. 7, 1951. Class 16.

Vanilla Laboratories, Inc., Rochester, N. Y. Vanilla flavoring extracts. 550,361, Nov. 6; Serial No. 551,418, published Aug. 21, 1951. Class 46.

Vanity Fair Mills, Inc.: *See*—
Vanity Fair Silk Mills.

Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Knitted and textile underwear, etc. 289,350, renewed Nov. 24, 1951. O. G. Nov. 6. Class 39.

Van Sickle Co.: *See*—
Van Sickle, Wilton E.

Van Sickle, Wilton E., doing business under the name Van Sickle Co., San Francisco, Calif. Lacquer. 550,590, Nov. 6; Serial No. 587,513. Class 16.

Verl-Krisp Potato Chip Co.: *See*—
Rutledge, R. O.

Vita-Var Corporation: *See*—
Goheen Corporation of New Jersey.

Vitmora Company, The: *See*—
Guy, Ralph I.

Wallace & Tiernan Products, Inc., Belleville, N. J. Active-chlorine-containing compositions. 550,440, Nov. 6; Serial No. 586,025, published Aug. 14, 1951. Class 6.

Water Delivery Company, to Polar Water Company, Pittsburgh, Pa. Ginger-ale, sarsaparilla, lemon-soda, etc. 84,705, re-renewed Dec. 26, 1951. O. G. Nov. 6. Class 45.

Weis, John M., Atlanta, Ga. Making arrangements for parties as gifts from purchasers of the service to recipients in the celebration of anniversaries, birthdays, etc. 550,600, Nov. 6; Serial No. 534,577. Class 100.

Weis, John M., Atlanta, Ga. Making arrangements for parties as gifts from purchasers of the service to recipients in the celebration of anniversaries, birthdays, etc. 550,601, Nov. 6; Serial No. 537,854. Class 100.

Wenzel, H., Tent & Duck Co., St. Louis, Mo. Fire resistant tarpaulins and tents. 550,431, Nov. 6; Serial No. 583,628, published July 17, 1951. Class 50.

Wenzel, H., Tent & Duck Co., St. Louis, Mo. Water repellent tarpaulins and tents. 550,432, Nov. 6; Serial No. 583,629, published July 17, 1951. Class 50.

West Disinfecting Company, Long Island City, N. Y. Automatic deodorizers. 550,368, Nov. 6; Serial No. 554,455, published Aug. 7, 1951. Class 13.

West, Dr., Company: *See*—
West, Earl C.

West, Earl C., doing business under the name of Dr. West Company, Mora, Minn. Cleaner for dental plates. 550,582, Nov. 6; Serial No. 545,922. Class 51.

Western Rubber Company, Goshen, Ind. Resilient mats. 550,394, Nov. 6; Serial No. 571,590, published July 3, 1951. Class 50.

Wilbur-Ellis Company, San Francisco, Calif. Poultry and stock food. 282,227, renewed Apr. 14, 1951. O. G. Nov. 6. Class 46.

Wilshire Oil Company, Inc., Vernon, to Wilshire Oil Company, Inc., Los Angeles, Calif. Gasoline, kerosene, distillate, etc. 290,070, renewed Dec. 22, 1951. O. G. Nov. 6. Class 15.

Wooster Products, Inc., Wooster, Ohio. Safety stair treads, floor plates, and ramp plates. 285,075, renewed July 14, 1951. O. G. Nov. 6. Class 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Tanned leather. Gonzalo Boza & Co. Inc. 289,312, renewed Nov. 24, 1951. O. G. Nov. 6.

CLASS 2

Bags, Paper. Crown-Columbia Pulp and Paper Company. 84,602, re-renewed Dec. 26, 1951. O. G. Nov. 6.

Bags, Paper, and cartons. Newark Paraffine & Parchment Paper Co. 289,251, renewed Nov. 24, 1951. O. G. Nov. 6.

Tinware and galvanized ware. National Enameling and Stamping Company. 550,423, Nov. 6; Serial No. 579,703, published May 9, 1950.

CLASS 4

Buffs and grinding wheels. J. R. Davies. 550,510, Nov. 6; Serial No. 602,375, published Aug. 7, 1951.

Cleaner and polish. Borg-Warner Corporation. 550,467, Nov. 6; Serial No. 593,967, published July 31, 1951.

Polish and cleaner, Combined automobile body. Chevrolet Motor Company. 288,418, renewed Oct. 27, 1951. O. G. Nov. 6.

CLASS 5

Binders, Core and dry mold. American Cyanamid Company. 550,508, Nov. 6; Serial No. 601,815, published July 31, 1951.

Cement. Wallace A. Erickson & Co. 550,370, Nov. 6; Serial No. 556,428, published July 31, 1951.

CLASS 6

Active-chlorine-containing compositions. Wallace & Tiernan Products, Inc. 550,440, Nov. 6; Serial No. 586,025, published Aug. 14, 1951.

Alcohol wax, Long-chain synthetic. Allied Chemical & Dye Corporation. 550,551, Nov. 6; Serial No. 605,887, published July 31, 1951.

Ammonia, laundry starch, lye, bleach, and disinfectant. Francis H. Leggett & Co. 550,559, Nov. 6; Serial No. 606,385, published Aug. 14, 1951.

Anti-freeze compounds. R. P. Roberts. 550,465, Nov. 6; Serial No. 592,101, published Aug. 14, 1951.

Chemical products. Ciba Limited. 550,535, Nov. 6; Serial No. 604,766, published Aug. 21, 1951.

Clarifier for beer. Cape Ann Isinglass Company. 285,443, renewed July 28, 1951. O. G. Nov. 6.

Compositions containing organic and inorganic chemicals. E. F. Drew & Co., Inc. 550,583, Nov. 6; Serial No. 548,486.

Compositions for treatment of oil-well drilling fluids. National Lead Company. 550,411, Nov. 6; Serial No. 577,806, published Aug. 14, 1951.

Concentrated odor neutralizing and perfuming compounds, etc. Fritzsche Brothers, Inc. 417,546, Oct. 30, 1945. Republished Nov. 6.

Dyestuffs. American Aniline Products, Inc. 550,563, Nov. 6; Serial No. 606,743, published Aug. 21, 1951.

Economic poisons, wood preservative and mold and mildew proofer. Fungitrol Chemicals Incorporated. 550,577, Nov. 6; Serial No. 611,417, published Aug. 14, 1951.

Essential oils. Fritzsche Brothers, Inc. 414,771, June 26, 1945. Republished Nov. 6.

Essential oils and aromatic chemical preparations. Fritzsche Brothers, Inc. 188,456, Aug. 26, 1924. Republished Nov. 6.

Essential oils suitable for use in the production of soaps, perfumes, and toilet preparations. Fritzsche Brothers, Inc. 201,271, July 21, 1925. Republished Nov. 6.

Fixative for compounded oils. Fritzsche Brothers, Inc. 421,974, June 25, 1946. Republished Nov. 6.

Fungicidal material. Scientific Oil Compounding Company, Inc. 550,448, Nov. 6; Serial No. 587,090, published Aug. 14, 1951.

Gas, Bottled propane heating. Consumers Gas Company of Georgia, Incorporated. 550,494, Nov. 6; Serial No. 599,157, published Aug. 14, 1951.

Gas, Bottled propane heating. Consumers Gas Company of Georgia, Incorporated. 550,497, Nov. 6; Serial No. 599,552, published Aug. 14, 1951.

Hydraulic brake fluids. Prairie States Oil & Grease Company. 550,589, Nov. 6; Serial No. 586,988.

Hydrocarbons, phenols, organic acids, etc. Allied Chemical & Dye Corporation. 550,516, Nov. 6; Serial No. 602,873, published Aug. 14, 1951.

Insecticides. Scientific Supply Co., Inc. 550,529, Nov. 6; Serial No. 604,235, published Aug. 14, 1951.

Insecticides, fungicides, and weed-killers. Plant Protection Limited. 550,470, Nov. 6; Serial No. 594,582, published Aug. 14, 1951.

Liquid which converts into a cohesive, firm plastic mass upon contact with tissue fluids for use in embalming: Undertakers Supply Co. 550,597, Nov. 6; Serial No. 604,754.

Liquified concentrate for killing weeds. Twin City Seed Company. 550,552, Nov. 6; Serial No. 605,930, published Aug. 14, 1951.

Natural and synthetic aromatic substances, Combination of. Fritzsche Brothers, Inc. 302,931, May 2, 1933. Republished Nov. 6.

Natural and synthetic essential oils. Fritzsche Brothers, Inc. 330,503, Dec. 3, 1935. Republished Nov. 6.

Natural and synthetic essential oils. Fritzsche Brothers, Inc. 339,653, Oct. 13, 1936. Republished Nov. 6.

Natural and synthetic essential oils. Fritzsche Brothers, Inc. 341,144, Dec. 1, 1936. Republished Nov. 6.

Oil, High-boiling hydro-carbon petroleum. Socony-Vacuum Oil Company, Incorporated. 550,385, Nov. 6; Serial No. 568,869, published Aug. 7, 1951.

Oil of peppermint: Fritzsche Brothers, Inc. 367,553, May 23, 1939. Republished Nov. 6.

Oil of ylang-ylang. Fritzsche Brothers, Inc. 197,837, Apr. 28, 1925. Republished Nov. 6.

Oil of ylang-ylang. Fritzsche Brothers, Inc. 198,126, May 5, 1925. Republished Nov. 6.

Petroleum gas, Liquefied. The Protane Corporation. 550,594, Nov. 6; Serial No. 596,192.

Pigment-resin dispersions. Sun Chemical Corporation. 550,560, Nov. 6; Serial No. 606,445, published Aug. 21, 1951.

Pigments and colors. Ansbacher-Siegle Corporation. 550,518, Nov. 6; Serial No. 603,098, published Aug. 14, 1951.

Polyvinyl chloride liquid dispersions, and polysulfide rubbers. Fleximold Co. 550,398, Nov. 6; Serial No. 573,934, published Aug. 14, 1951.

Preparations for increasing color fastness of dyed fabrics and yarns. Dan River Mills, Incorporated. 550,474, Nov. 6; Serial No. 595,360, published Aug. 14, 1951.

Preservatives and anti-oxidants. Fritzsche Brothers, Inc. 348,672, Aug. 3, 1937. Republished Nov. 6.

Products of a resinous nature and intended for addition to mixtures of essential oils and aromatic chemicals. Fritzsche Brothers, Inc. 320,087, Dec. 18, 1934. Republished Nov. 6.

Reagent gas. Novadel-Agene Corporation. 550,427, Nov. 6; Serial No. 581,563, published Aug. 14, 1951.

Sanitizing preparation. The Infantcy Products Company, Inc. 550,441, Nov. 6; Serial No. 586,170, published Aug. 14, 1951.

Solution of dispersed synethetic resin. General Latex and Chemical Corporation. 550,538, Nov. 6; Serial No. 604,909, published Aug. 21, 1951.

Stearic acid, red oil, and glycerine. W. C. Hardesty Company, Inc. 550,517, Nov. 6; Serial No. 602,946, published Aug. 14, 1951.

Sterilizing and softening agent. J. D. Payne. 550,472, Nov. 6; Serial No. 594,724, Published Aug. 14, 1951.

Synthetic resins. Reichhold Chemicals, Inc. 550,562, Nov. 6; Serial No. 606,681, published Aug. 21, 1951.

Water softener and color brightener. H. Kolnstamm & Co., Inc. 550,464, Nov. 6; Serial No. 591,738, published Aug. 14, 1951.

CLASS 8

Ashtrays. Pax Products, Inc. 550,543, Nov. 6; Serial No. 605,229, published July 24, 1951.

Filters, Cigarette. W. V. Pflueger. 550,524, Nov. 6; Serial No. 603,853, published July 10, 1951.

Lighters, Cigarette, cigar and pipe. Österreichische Knopf- und Metallwarenfabrik J. Meister & Co. 550,414, Nov. 6; Serial No. 578,616, published July 31, 1951.

Lighters, Cigarette, cigar and pipe. Osterreichische Knopf- und Metallwarenfabrik J. Meister & Co. 550,415, Nov. 6; Serial No. 578,618, published July 24, 1951.

Lighters, Pyrophoric cigar and cigarette, and flints therefor. The Parker Pipe Company Limited. 550,405, Nov. 6; Serial No. 576,068, published July 24, 1951.

Lighters, Portable pyrophoric cigar or cigarette. Bowers Tool & Die Company. 550,442, Nov. 6; Serial No. 586,232, published July 24, 1951.

Pipes, Smokers' S. S. Pierce Co. 550,512, Nov. 6; Serial No. 602,567, published June 19, 1951.

Pipes, Tobacco. Loewe & Co., Limited. 550,564, Nov. 6; Serial No. 606,925, published Aug. 14, 1951.

Pipes, Tobacco. The Civic Company, Limited. 550,527, Nov. 6; Serial No. 604,145, published July 10, 1951.

Pipes, Tobacco, tobacco pouches, tobacco boxes and jars, etc. The Parker Pipe Company Limited. 550,406, Nov. 6; Serial No. 576,069, published July 24, 1951.

Pouches, Tobacco, cigarette cases. Greatrex Ltd. 550,485, Nov. 6; Serial No. 598,360, published July 10, 1951.

CLASS 10

Plant stimulant. American Chemical Paint Company. 550,397, Nov. 6; Serial No. 573,223, published June 6, 1950.

CLASS 11

Inking ribbons and inks, carbon paper and carbon ribbons. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,427, published Oct. 17, 1950. (Consolidated certificate. Classes 11, 21, 23, 26, 27, 32, 37, and 38.)

CLASS 12

Asphalt compounds. The Union Products Company. 289,347, renewed Nov. 24, 1951. O. G. Nov. 6.

Castable refractory material. Fibrico Jointless Firebrick Company. 550,592, Nov. 6; Serial No. 589,333.

Petroleum asphaltic base penetrating and adhesive liquid containing pore-sealing ingredients. C. H. Blakeslee. 550,579, Nov. 6; Serial No. 512,957.

Stair treads, Safety, floor plates, and ramp plates. Wooster Products, Inc. 285,075, renewed July 14, 1951. O. G. Nov. 6.

Wood veneer, Fabric-backed. The Flexwood Company. 286,555, renewed Sept. 1, 1951. O. G. Nov. 6.

CLASS 13

Bells. F. Brown. 550,461, Nov. 6; Serial No. 591,453, published Aug. 21, 1951.

Bolts, catches, chains, etc. Star Metal Products Co. 550,520, Nov. 6; Serial No. 603,388, published Aug. 21, 1951.

Bolts, Expansion. Sandscott Plastic Corporation. 550,347, Nov. 6; Serial No. 530,029, published Aug. 14, 1951.

Cabinets, Shower, and sink cabinets equipped with sinks. N. H. Turkin. 550,469, Nov. 6; Serial No. 594,502, published Aug. 21, 1951.

Clips for connecting hose to fixtures, fittings for connecting hose to taps. Tresidder and Moore. 550,388, Nov. 6; Serial No. 569,938, published Aug. 21, 1951.

Cooking, kitchen and household ware, Porcelain enamel coated base metal. The Canton Stamping & Enameling Company. 550,348, Nov. 6; Serial No. 533,534, published Aug. 21, 1951.

Couplings and fittings, Separable hose. Ever-Tite Coupling Co. Inc. 550,349, Nov. 6; Serial No. 536,512, published Aug. 21, 1951.

Deodorizers, Automatic. West Disinfecting Company. 550,368, Nov. 6; Serial No. 554,455, published Aug. 7, 1951.

Enameled ware. National Enameling and Stamping Company. 550,343, Nov. 6; Serial No. 521,600, published Mar. 14, 1950.

Fasteners, Wood. E. B. Packard Co., Inc. 550,444, Nov. 6; Serial No. 586,495, published Aug. 14, 1951.
Fixture, Unitary plumbing. Auto Chlor System, Inc. 550,484, Nov. 6; Serial No. 598,345, published Aug. 21, 1951.
Fixtures, Bathroom, curtain rods, curtain rod brackets, etc. Sears, Roebuck and Co. 550,447, Nov. 6; Serial No. 586,767, published Aug. 14, 1951.
Forged steel chain links. The Boston Metals Company. 550,576, Nov. 6; Serial No. 609,391, published Aug. 7, 1951.
Hardware. All-Steel Equipment Inc. 550,367, Nov. 6; Serial No. 554,195, published Aug. 21, 1951.
Hardware. All-Steel Equipment Inc. 550,371, Nov. 6; Serial No. 556,519, published Feb. 27, 1951.
Hollow ware, Table. Friedman Silver Co., Inc. 289,297, renewed Nov. 24, 1951. O. G. Nov. 6.
Hors d'Oeuvre and sandwich picks. E. R. Barney. 550,570, Nov. 6; Serial No. 608,143, published Aug. 14, 1951.
Lavatories, door springs, bath tubs, etc. C. M. McClung & Co. 550,360, Nov. 6; Serial No. 550,161, published Aug. 21, 1951.
Lids for coffee percolators. Perc-Tone Aluminum Products, Inc. 550,569, Nov. 6; Serial No. 607,719, published Aug. 21, 1951.
Machine belt fasteners of ordinary metal. Jackson, Isaac & Sons Limited. 550,556, Nov. 6; Serial No. 606,227, published Aug. 21, 1951.
Metal fastening clips. R. L. Brown. 550,393, Nov. 6; Serial No. 570,831, published Aug. 7, 1951.
Metal washers, metal flush U's, metal flanges, bolts, etc. J. A. Sexauer Mfg. Co. Inc. 550,353, Nov. 6; Serial No. 545,285, published Aug. 21, 1951.
Sash balances. Grand Rapids Hardware Co. 550,395, Nov. 6; Serial No. 572,651, published Aug. 7, 1951.
Sprinklers, Lawn, hose couplings, hose nozzles, etc. Sears, Roebuck and Co. 550,390, Nov. 6; Serial No. 570,648, published Aug. 7, 1951.
Staples. Markwell Manufacturing Company, Inc. 550,452, Nov. 6; Serial No. 588,310, published Aug. 7, 1951.
Sterilizing units for flush type toilets. Kinnard, Incorporated. 550,539, Nov. 6; Serial No. 605,098, published Aug. 14, 1951.
Strainer and urinal deodorizer, Combination urinal. Hysan Products Company. 550,434, Nov. 6; Serial No. 584,233, published Aug. 14, 1951.
Tinware; and galvanized ware. National Enameling and Stamping Company. 550,344, Nov. 6; Serial No. 521,601, published May 9, 1950.
Tube fittings, Hydraulic. Flodar Corporation. 550,366, Nov. 6; Serial No. 553,686, published Aug. 7, 1951.
Tubing, Flexible metal. Ryder Manufacturing Company. 550,453, Nov. 6; Serial No. 588,598, published Aug. 14, 1951.
Tubular pipes and pipe fittings. Anderson-Miller Manufacturing Co. 550,389, Nov. 6; Serial No. 570,243, published Aug. 14, 1951.
Valves. Bendix Aviation Corporation. 550,346, Nov. 6; Serial No. 528,145, published Aug. 21, 1951.
Valves, Gate, gage cocks, globe valves, etc. The Schaible Company. 550,565, Nov. 6; Serial No. 607,355, published Aug. 21, 1951.
Valves, Globe, angle stop valves, etc. The Schaible Company. 550,496, Nov. 6; Serial No. 599,455, published Aug. 21, 1951.
Vessels for top-of-stove baking, roasters, casseroles, tureens, etc. Century Metalcraft Corporation. 550,413, Nov. 6; Serial No. 578,257, published Aug. 21, 1951.
Wire cloth or fabric, metal chain link fence, etc. Buffalo Wire Works Co. 550,487–8, Nov. 6; Serial Nos. 598,559–60, published Aug. 21, 1951.
Wire screen. Clark Wire and Supply Corp. 550,574, Nov. 6; Serial No. 609,165, published Aug. 7, 1951.
Wooden ice cream sticks. The Diamond Match Company. 550,575, Nov. 6; Serial No. 609,283, published Aug. 7, 1951.

CLASS 15

Gasoline. Continental Oil Company. 550,541, Nov. 6; Serial No. 605,147, published July 17, 1951.
Gasoline, kerosene, distillate, etc. Wilshire Oil Company, Inc. 290,070, renewed Dec. 22, 1951. O. G. Nov. 6.
Lubricant, Liquid molybdenum base. A. J. Lockrey. 550,511, Nov. 6; Serial No. 602,463, published July 17, 1951.
Lubricating-oils. The Texas Company. 84,417–19, re-renewed Dec. 12, 1951. O. G. Nov. 6.
Lubricating-oils. The Texas Company. 84,421, re-renewed Dec. 12, 1951. O. G. Nov. 6.
Lubricating-oils. The Texas Company. 84,425, re-renewed Dec. 12, 1951. O. G. Nov. 6.
Lubricating-oils. The Texas Company. 84,427–8, re-renewed Dec. 12. O. G. Nov. 6.
Lubricating-oils. The Texas Company. 84,430–33, re-renewed Dec. 12, 1951. O. G. Nov. 6.
Lubricating-oils. The Texas Company. 84,437, re-renewed Dec. 12, 1951. O. G. Nov. 6.
Oil, Motor lubricating. The Pure Oil Company. 550,507, Nov. 6; Serial No. 601,510, published July 17, 1951.
Oils and greases, Lubricating. Standard Oil Company. 287,741, renewed Oct. 6, 1951. O. G. Nov. 6.

CLASS 16

Alkyd resins for use as ingredients in the manufacture of industrial type paints. Devoe & Raynolds Company, Inc. 550,457, Nov. 6; Serial No. 590,656, published Aug. 7, 1951.
Chemical compound to increase luster and leveling of paints. R. T. Vanderbilt Company, Inc. 550,540, Nov. 6; Serial No. 605,125, published Aug. 7, 1951.
Coating composition, Resinous plastic protective, etc. The Lockrey-Fater Corporation. 550,504, Nov. 6; Serial No. 601,054, published Aug. 7, 1951.
Coating compound in the nature of a paint or varnish, Transparent stainproof, waterproof. Staminite Corporation. 286,571, renewed Sept. 1, 1951. O. G. Nov. 6.
Coating material, Liquid, Feroleum Products, Inc. 287,395, renewed Sept. 22, 1951. O. G. Nov. 6.
Enamel. Baer Brothers. 550,374, Nov. 6; Serial No. 561,711, published Aug. 7, 1951.
Enamels, Baking; lacquers; mixed oil paints, etc. Coating Materials Laboratories, Inc. 550,492, Nov. 6; Serial No. 598,833, published Aug. 7, 1951.
Lacquer. W. E. Van Sickle. 550,590, Nov. 6; Serial No. 587,513.
Lacquers, enamels, varnishes, etc. Atlas Powder Company. 550,490, Nov. 6; Serial No. 598,699, published Aug. 7, 1951.
Paint. Nopyron Corporation. 550,489, Nov. 6; Serial No. 598,671, published Aug. 7, 1951.
Paint, Liquid asphalt roofing, and a plastic asphalt roofing coating or filler. Elliott Paint & Varnish Co. 550,342, Nov. 6; Serial No. 519,469, published Aug. 7, 1951.
Paint primers, Metal, and metal paints. Solvents and Plastics Company. 550,384, Nov. 6; Serial No. 568,682, published Aug. 7, 1951.
Paint, Ready mixed. Goheen Corporation of New Jersey. 252,109, Jan. 22, 1929. Republished Nov. 6.
Paints. Brager-Eisenberg, Inc. 550,475, Nov. 6; Serial No. 595,705, published Aug. 7, 1951.
Paints and fluid paint colorants. Bennett's. 550,446, Nov. 6; Serial No. 586,723, published Jan. 9, 1951.
Paints; Dry paste, ready-mixed and enamel. Norfolk Paint & Varnish Company. 285,735, renewed Aug. 4, 1951. O. G. Nov. 6.
Paints, Fluorescent ready mixed, lacquers, enamels and paint water colors. Gantner & Mattern Company. 550,402, Nov. 6; Serial No. 575,702, published Aug. 14, 1951.
Paints including enamels, Liquid. Seymour of Sycamore, Inc. 550,593, Nov. 6; Serial No. 592,522.
Paints, Latex base. The Muralo Company, Inc. 550,542, Nov. 6; Serial No. 605,221, published Aug. 7, 1951.
Paints, Oil, and enamels. Sheffield Bronze Paint Corporation. 550,591, Nov. 6; Serial No. 588,187.
Paint, Ready-mixed, paint enamels, varnish, etc. Republic Paint & Varnish Co. 550,351, Nov. 6; Serial No. 541,966, published Aug. 7, 1951.
Paints, Ready-mixed, varnishes, paint enamels, etc. International Paint Company, Inc. 550,352, Nov. 6; Serial No. 542,137, published Aug. 7, 1951.
Pigments for use in the manufacture of protective coatings. The Standard Ultramarine Co. 550,381, Nov. 6; Serial No. 566,365, published Aug. 7, 1951.
Soluble crystals to be used in a preparation for removing paint and varnish from brushes. Andersen Specialty Mfg. Corp. 550,391, Nov. 6; Serial No. 570,682, published Aug. 7, 1951.

CLASS 18

Active estrus inducing principles. G. W. Carnrick Co. 290,037, renewed Dec. 22, 1951. O. G. Nov. 6.
Antacid preparation. A. H. Robins Company, Inc. 550,514, Nov. 6; Serial No. 602,635, published July 17, 1951.
Anthelmintic preparation. Sharp & Dohme, Incorporated. 550,503, Nov. 6; Serial No. 600,231, published July 17, 1951.
Antibacterial suspension. Sharp & Dohme, Incorporated. 550,493, Nov. 6; Serial No. 599,126, published July 17, 1951.
Anti-histaminic pharmaceutical preparation. Horton & Converse. 550,443, Nov. 6; Serial No. 586,484, published July 3, 1951.
Antiseptic mouth wash. F. H. Lewis. 550,515, Nov. 6; Serial No. 602,767, published July 3, 1951.
Antispasmodic preparation. A. H. Robins Company, Inc. 550,513, Nov. 6; Serial No. 602,634, published July 17, 1951.
Combination of a coal tar extract and an anti-histamine. The Tarbonis Company. 550,471, Nov. 6; Serial No. 594,673, published Mar. 6, 1951.
Concentrated solution of amino acids, vitamins and minerals. Kuster Laboratories, Inc. 550,459, Nov. 6; Serial No. 590,815, published July 3, 1951.
Deodorant for internal use, Body and breath. Scorber Distributing Co., Inc. 550,546, Nov. 6; Serial No. 605,497, published July 3, 1951.
Derivatives of chlorophenylisopropyl-biguanide. Imperial Chemical (Pharmaceuticals) Limited. 550,407, Nov. 6; Serial No. 576,330, published July 3, 1951.

Hair preparations—namely, hair and scalp ointment. D. J. Gregory. 550,403, Nov. 6; Serial No. 575,985, published July 3, 1951.
Health, song, and vigor restorer (for birds) combined tonic and bitters, etc. H. Schliesser. 282,948, renewed May 5, 1951. O. G. Nov. 6.
Inhalator, Antibiotic. Sharp & Dohme, Incorporated. 550,399, Nov. 6; Serial No. 574,866, published July 3, 1951.
Inhalator, Antibiotic. Sharp & Dohme, Incorporated. 550,400, Nov. 6; Serial No. 575,302, published July 3, 1951.
Laxative, Chemical. Schenley Laboratories, Inc. 550,549, Nov. 6; Serial No. 605,874, published July 3, 1951.
Laxative, Chemical. Schenley Laboratories, Inc. 550,550, Nov. 6; Serial No. 605,876, published July 3, 1951.
Medicine for treating necrotic inflammation. Pitman-Moore Company. 286,601, renewed Sept. 1, 1951. O. G. Nov. 6.
Medicine for treating pulmonary infections. Pitman-Moore Company. 286,604, renewed Sept. 1, 1951. O. G. Nov. 6.
Medicinal and pharmaceutical preparations. California Medicinal Wine Co. 289,997, renewed Dec. 22, 1951. O. G. Nov. 6.
Medicinal preparation. First Texas Chemical Manufacturing Co. 550,509, Nov. 6; Serial No. 601,863, published July 17, 1951.
Medicinal preparation. J. V. Knight. 550,428, Nov. 6; Serial No. 581,721, published July 3, 1951.
Medicinal preparation. E. B. Miller. 550,557, Nov. 6; Serial No. 606,228, published July 17, 1951.
Medicinal preparation. The Upjohn Company. 550,548, Nov. 6; Serial No. 605,817, published July 3, 1951.
Mild powder, an autoclaved-hypoallergenic talc to be used topically in connection with the treatment of various dermatoses, etc. Allied Distributors. 550,460, Nov. 6; Serial No. 591,216, published July 10, 1951.
Multiple vitamin preparation. Abbott Laboratories. 550,477, Nov. 6; Serial No. 596,697, published July 3, 1951.
Multiple vitamin preparation. Nutrition Enterprises. 550,491, Nov. 6; Serial No. 598,749, published July 17, 1951.
Multi-vitamin and multi-mineral preparation. R. I. Guy. 550,555, Nov. 6; Serial No. 606,216, published July 17, 1951.
Oral preparation in tablet form indicated in vitamin deficiency. Abbott Laboratories. 550,500, Nov. 6; Serial No. 599,734, published July 17, 1951.
Personal antiseptic and germicide. The R. T. French Company. 550,387, Nov. 6; Serial No. 569,370, published July 3, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 550,476, Nov. 6; Serial No. 596,604, published July 17, 1951.
Pharmaceutical preparations. Societe Civile de Recherches Chimiques et Therapeutiques. 550,383, Nov. 6; Serial No. 567,437, published July 31, 1951.
Preparation for the treatment of fungus infection. The P. & W. Chemical Co. 550,537, Nov. 6; Serial No. 604,860, published July 17, 1951.
Preparation of minerals and vitamins. Mineral Feeds, Inc. 550,433, Nov. 6; Serial No. 583,940, published July 17, 1951.
6-methyl-thio-uracil for anti-thyroid medicament. Schwarz Laboratories, Inc. 550,425, Nov. 6; Serial No. 580,951, published June 5, 1951.
Synthetic chemical compound. Fritzsche Brothers, Inc. 434,676, Dec. 2, 1947. Republished Nov. 6.
Vermicide and purgative. Pitman-Moore Company. 287,139, renewed Sept. 15, 1951. O. G. Nov. 6.
Vitamin sedatives. Nyrope Laboratories, Inc. 550,401, Nov. 6; Serial No. 575,544, published July 3, 1951.
Vitamins and vitamin preparations, cod liver oil and cod liver oil capsules, etc. Montgomery Ward & Co., Incorporated. 550,379, Nov. 6; Serial No. 565,444, published July 3, 1951.

CLASS 19

Automotive vehicles. Daimler-Benz Aktiengesellschaft. 285,557, renewed July 28, 1951. O. G. Nov. 6.
Shock absorbers. Delco Products Corporation. 286,518, renewed Sept. 1, 1951. O. G. Nov. 6.

CLASS 21

Dry cells and batteries. The Carbon Products Company. 286,179, renewed Aug. 18, 1951. O. G. Nov. 6.
Dry cells and dry batteries, etc. The Carbon Products Company. 287,155, renewed Sept. 15, 1951. O. G. Nov. 6.
Electrical and electronic apparatus. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,426, published Oct. 17, 1950. (Consolidated certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)
Electrical connectors. Burndy Engineering Company, Inc. 284,969, renewed July 14, 1951. O. G. Nov. 6.

CLASS 22

Dolls and accessories for dolls. Carosio, Countess, Mariuccia De-Lord. 550,547, Nov. 6; Serial No. 605,634, published May 22, 1951.
Fishing reels. Shakespeare Company. 282,509, renewed Apr. 21, 1951. O. G. Nov. 6.
Tops, Spinning, and rocking horses. W. H. Schlee, Inc. 550,578, Nov. 6; Serial No. 614,634, published Aug. 21, 1951.

CLASS 23

Agitators, agitator kettles, air compressors, baling presses, etc. The Globe Company. 550,357, Nov. 6; Serial No. 548,069, published Apr. 4, 1950.
Boxes, Empty portable tool. J. Leone. 444,594, Nov. 6; Serial No. 517,490, published Aug. 7, 1951.
Bushings, Drill. American Drill Bushing Co., Inc. 550,499, Nov. 6; Serial No. 599,688, published Aug. 14, 1951.
Can openers and parts thereof, Wall type. National Die Casting Company. 550,449, Nov. 6; Serial No. 587,394, published July 31, 1951.
Cranes, Traveling. Manning, Maxwell & Moore, Inc. 550,536, Nov. 6; Serial No. 604,854, published July 31, 1951.
Drilling and boring machines, Rock, earth, and coal. The Salem Tool Company. 550,566, Nov. 6; Serial No. 607,522, published Aug. 14, 1951.
Engines and parts thereof, Internal combustion. Cummins Engine Company, Inc. 550,558, Nov. 6; Serial No. 606,276, published July 31, 1951.
Hydraulic sleeve removing and inserting units, hydraulic ram, etc. International Tool Corporation. 550,362, Nov. 6; Serial No. 551,460, published July 24, 1951.
Lathes and turning machines. The Cleveland Hobbing Machine Company. 550,358, Nov. 6; Serial No. 548,329, published July 31, 1951.
Lawn mowers, Power. Root Manufacturing Co., Inc. 550,567, Nov. 6; Serial No. 607,562, published July 24, 1951.
Lawn mowers, Power, and saws. Root Manufacturing Co., Inc. 550,568, Nov. 6; Serial No. 607,561, published July 24, 1951.
Lubricators, Automatic air line, hand operated pneumatic grinders, etc. W. F. Congdon. 550,392, Nov. 6, Serial No. 570,694, published July 31, 1951.
Machine transmissions and parts thereof. Transmission Supplies, Incorporated. 550,530, Nov. 6; Serial No. 604,331, published July 24, 1951.
Machines for eviscerating, washing, and packing poultry. Gordon Johnson Company. 550,561, Nov. 6; Serial No. 606,473, published Aug. 14, 1951.
Machines for use in the manufacture of shoes and the like, etc. Frobana Aktiengesellschaft. 266,662, renewed Jan. 28, 1950. O. G. Nov. 6.
Marine engines. Arnolt Corporation. 441,227, Nov. 2, 1948. Republished Nov. 6.
Material handling equipment. Manning, Maxwell & Moore, Incorporated. 550,373, Nov. 6; Serial No. 560,490, published Aug. 14, 1951.
Slicing machines, and parts thereof. Globe Slicing Machine Co., Inc. 550,359, Nov. 6; Serial No. 548,360, published Aug. 8, 1950.
Sump pump. W. G. Mason. 550,534, Nov. 6; Serial No. 604,648, published July 24, 1951.
Tools, Metal cutting. The Fellows Gear Shaper Company. 550,435, Nov. 6; Serial No. 584,446, published July 31, 1951.
Tractors, Military and agricultural, steam and diesel engined locomotives, etc. Nydqvist & Holm Aktiebolag. 550,495, Nov. 6; Serial No. 599,389, published July 31, 1951.
Trench digging machine. Arps Corporation. 550,486, Nov. 6; Serial No. 598,556, published July 24, 1951.
Typesetting and type-casting apparatus and mechanical control units, perforators, reperforators, etc. Teletype Corporation. 284,631, renewed July 7, 1951. O. G. Nov. 6.
Typewriting machines. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,422, published May 30, 1950. (Consolidated certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)
Vending and amusement machines, Coin operated. International Mutoscope Reel Co., Inc. 289,568, renewed Dec. 1, 1951. O. G. Nov. 6.
Winches, Automotive truck, automotive truck power takeoff machinery and power divider transmission machinery. Braden Winch Company. 550,345, Nov. 6; Serial No. 522,854, published July 3, 1951.
Wooden handles for hand tools, etc. True Temper Corporation. 550,339, Nov. 6; Serial No. 478,736, published Aug. 7, 1951.

CLASS 24

Clothespins. United States Clothespin Company. 550,341, Nov. 6; Serial No. 517,219, published Nov. 2, 1948.

CLASS 26

Calculating machines, multiplying machines, dividing machines, etc. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,429, published July 10, 1951. (Consolidate certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)
Ophthalmic mountings. Bausch & Lomb Optical Company. 283,797, renewed June 9, 1951. O. G. Nov. 6.
Photographic equipment. Leedal Stainless Steel Products, Inc. 435,545, Dec. 30, 1947. Republished Nov. 6.

CLASS 27

Clocks. Kalex Corporation. 550,596, Nov. 6; Serial No. 603,298.
Clocks; clock systems, athletic timers, etc. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,430, published Jan. 16, 1951. (Consolidated certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)

CLASS 28

Hollow ware, Table, plated with precious metal. Friedman Silver Co., Inc. 289,799, renewed Dec. 8, 1951. O. G. Nov. 6.

CLASS 32

Racks, Time card. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,424, published July 3, 1951. (Consolidated certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)

CLASS 35

Belting. United States Rubber Company. 550,418, Nov. 6; Serial No. 579,007, published Aug. 14, 1951.
Brake materials, Automotive. Laher Spring and Tire Corporation. 550,436, Nov. 6; Serial No. 584,499, published Aug. 7, 1951.
Camelback. The Goodyear Tire & Rubber Company. 550,599, Nov. 6; Serial No. 606,705.
Hose, Rubber lined cotton fire. Quaker Rubber Corporation. 550,450, Nov. 6; Serial No. 587,506, published Aug. 7, 1951.
Tubing, Flexible. U. S. Bottlers Machinery Company. 550,463, Nov. 6; Serial No. 591,598, published Aug. 7, 1951.

CLASS 36

Pianos. R. H. Macy & Co., Inc. 550,573, Nov. 6; Serial No. 609,093, published Aug. 7, 1951.

CLASS 37

Paper. Lawrence Paper Manufacturing Company. 288,796, renewed Nov. 3, 1951. O. G. Nov. 6.
Pencils, Mechanical, pencils, pencil leads, etc. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,431, published Apr. 17, 1951. (Consolidated certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)

CLASS 38

Books, pamphlets, leaflets, etc. International Business Machines Corporation. 550,421, Nov. 6; Serial No. 579,425, published Nov. 21, 1950. (Consolidated certificate, Classes 11, 21, 23, 26, 27, 32, 37, and 38.)
Publication, Periodical. P. Lorillard Company. 550,506, Nov. 6; Serial No. 601,361, published July 24, 1951.
Tickets, Scale. Consolidated Automatic Merchandising Corporation. 288,026, renewed Oct. 20, 1951. O. G. Nov. 6.

CLASS 39

Boots and shoes. Holmes-Terhune Company. 290,353, renewed Jan. 5, 1952. O. G. Nov. 6.
Brassières. Kabo Corset Company. 550,377, Nov. 6; Serial No. 563,343, published Oct. 10, 1950.
Hats. A. P. Hayes. 327,690, Sept. 3, 1935. Republished Nov. 6.
Hosiery. Marshall Field & Company. 83,267, re-renewed Aug. 29, 1951. O. G. Nov. 6.
Hosiery. Murphy, Brill & Sahner, Inc. 550,466, Nov. 6; Serial No. 592,922, published Aug. 14, 1951.
Hosiery, Ladies'. Arkwright Merchandising Corporation. 550,396, Nov. 6; Serial No. 572,938, published Sept. 26, 1950.
Hosiery, Women's. The Associated Merchandising Corporation. 550,554, Nov. 6; Serial No. 606,114, published Aug. 14, 1951.
Hosiery, Women's. The Nolde and Horst Company. 550,479, Nov. 6; Serial No. 597,223, published Aug. 14, 1951.
Overalls. Harry Lang Manufacturing Co. 550,350, Nov. 6; Serial No. 540,684, published Aug. 7, 1951.
Raincoats and topcoats for men. The Alligator Company. 550,553, Nov. 6; Serial No. 606,111, published Aug. 14, 1951.
Shirts, Work, work pants, and dungarees. Standard Garments, Inc. 550,424, Nov. 6; Serial No. 580,525, published June 12, 1951.
Shoes. Melville Shoe Corporation. 282,389, renewed Apr. 21, 1951. O. G. Nov. 6.
Shoes, Women's. Shu-Stiles, Incorporated. 357,771, June 14, 1938. Republished Nov. 6, 1951.
Shoes, Women's. Shu-Stiles, Incorporated. 360,241, Sept. 13, 1938. Republished Nov. 6.
Shoes, Women's. Shu-Stiles, Incorporated. 363,994, Jan. 17, 1939. Republished Nov. 6.
Shoes, Women's. Shu-Stiles, Incorporated. 435,314, Dec. 16, 1947. Republished Nov. 6.
Socks, Men's. Peter Field Limited. 550,456, Nov. 6; Serial No. 589,652, published Sept. 26, 1950.
Sport coats, jackets, jerkins, etc., Men's. Botany Worsted Mills. 390,960, Oct. 14, 1941. Republished Nov. 6.
Sportswear. E. J. Chun. 344,540, Mar. 30, 1937. Republished Nov. 6.
Underwear, Knitted and textile, etc. Vanity Fair Silk Mills. 289,350, renewed Nov. 24, 1951. O. G. Nov. 6.
Underwear, Ladies' and children's. Pinehurst Textiles, Inc. 550,363, Nov. 6; Serial No. 551,818, published Sept. 20, 1949.

CLASS 40

Comb accessory, Absorbent and disposable fabric. N. B. Sheppard. 550,587, Nov. 6; Serial No. 585,193.

CLASS 42

Fabrics. Celanese Corporation of America. 290,166, renewed Dec. 22, 1951. O. G. Nov. 6.
Fabrics. Celanese Corporation of America. 290,268, renewed Dec. 29, 1951. O. G. Nov. 6.
Fabrics. Celanese Corporation of America. 290,578, renewed Jan. 12, 1952. O. G. Nov. 6.
Fabrics. Celanese Corporation of America. 290,673–4, renewed Jan. 12, 1952. O. G. Nov. 6.
Piece goods, Cotton. American Bleached Goods Company, Inc. 285,472, renewed July 28, 1951. O. G. Nov. 6.
Towels and toweling. Patex Fibre Corporation. 290,272, renewed Dec. 29, 1951. O. G. Nov. 6.

CLASS 43

Thread and yarn. Frobana Aktiengesellschaft. 262,890, renewed Oct. 29, 1949. O. G. Nov. 6.
Yarns, Artificial. Algemeene Kunstzijde Unie N. V. 286,997, renewed Sept. 8, 1951. O. G. Nov. 6.

CLASS 44

Adhesive sheet or wafer. The B & P Company. 287,253, renewed Sept. 15, 1951. O. G. Nov. 6.
Bindless straps for double chins and wrinkles. Cure's Bindless Straps, Inc. 550,595, Nov. 6; Serial No. 598,786.
Dental, medical, and surgical appliances and equipment. A. S. Aloe Company. 546,481–2, Aug. 14, 1951. Corrected. O. G. Nov. 6.
Gold and platinum for use in dental restoration and repair. Hastings & Co., Inc. 550,439, Nov. 6; Serial No. 585,998, published July 31, 1951.
Lubricated rubber prophylactics. Aronab Products Co. 550,438, Nov. 6; Serial No. 585,907, published July 31, 1951.
Nail files, tweezers, nail clips, etc. Premier Cutlery, Inc. 168,713, May 29, 1923. Republished Nov. 6.

CLASS 45

Ginger-ale, sarsaparilla, lemon-soda, etc. Water Delivery Company. 84,705, re-renewed Dec. 26, 1951. O. G. Nov. 6.
Maltless flavoring compounds. Fritzsche Brothers, Inc. 188,342, Aug. 25, 1924. Republished Nov. 6.

CLASS 46

Cakes and doughnuts. Purity Bakeries Corporation. 550,519, Nov. 6; Serial No. 603,379, published July 10, 1951.
Candies. Corey Candies, Inc. 550,445, Nov. 6; Serial No. 586,592, published June 19, 1951.
Candy. Loft Candy Corporation. 550,340, Nov. 6; Serial No. 500,098, published Aug. 21, 1951.
Candy. B. Myerson. 550,429, Nov. 6; Serial No. 581,883, published July 3, 1951.
Candy. W. B. Palmer Estate. 550,422, Nov. 6; Serial No. 579,510, published Jan. 16, 1951.
Candy. Sears & Hinchliffe. 233,904, Oct. 11, 1927. Republished Nov. 6.
Canned fruits and vegetables. J. E. Kriete. 51,080, Apr. 3, 1906. New certificate. O. G. Nov. 6.
Canned grapefruit juice, orange juice, blended orange and grapefruit juice, etc. Domino Canning Co., Inc. 550,544, Nov. 6; Serial No. 605,354, published Aug. 14, 1951.
Canned horse meat, One hundred per cent pure. L. H. Crum. 550,369, Nov. 6; Serial No. 556,250, published Mar. 27, 1951.
Canned vegetables and canned fruits. La Sierra Heights Canning Co., Inc. 183,798, May 6, 1924. Republished Nov. 6.
Capsulated vitamin supplement preparations for addition to foods, etc. R. P. Scherer Corporation. 550,375–6, Nov. 6; Serial Nos. 563,021–2, published June 19, 1951.
Cheese. Pabst Corporation. 199,311, June 9, 1925. Republished Nov. 6.
Cheese, Roquefort. B. M. Douglas. 285,941, renewed Aug. 11, 1951. O. G. Nov. 6.
Cheese, Roquefort. B. M. Douglas. 286,270, renewed Aug. 25, 1951. O. G. Nov. 6.
Chicken, Quick frozen frying. Frozen Foods Marketing Co. 550,521, Nov. 6; Serial No. 603,582, published June 12, 1951.
Coffee. Norwine Coffee Company. 84,187, re-renewed Nov. 14, 1951. O. G. Nov. 6.

Doughnuts, pies and ice cream. M. Richardson. 550,585, Nov. 6; Serial No. 579,759.
Edible fish oil. California Packing Corporation. 289,676, renewed Dec. 1, 1951. O. G. Nov. 6.
Fish products, Frozen. Norsk Frossenfisk A/L. 550,382, Nov. 6; Serial No. 567,085, published Aug. 14, 1951.
Flavoring compounds. Fritzsche Brothers, Inc. 188,327, Aug. 26, 1924. Republished Nov. 6.
Flavoring extracts. Fritzsche Brothers, Inc. 189,984, Sept. 30, 1924. Republished Nov. 6.
Flour, Bone. Nutritional Metals Corp. 425,502, Nov. 26, 1946. Republished Nov. 6.
Flour, Wheat. The Colorado Milling & Elevator Co. 550,364, Nov. 6; Serial No. 552,223, published July 3, 1951.
Flour, Wheat. Standard Milling Company. 550,404, Nov. 6; Serial No. 576,022, published June 19, 1951.
Food, Poultry and stock. Wilbur-Ellis Company. 282,227, renewed Apr. 14, 1951. O. G. Nov. 6.
Food products. Hershel California Fruit Products Co. 550,380, Nov. 6; Serial No. 565,930, published June 19, 1951.
Food flavors, Natural and imitation. Fritzsche Brothers, Inc. 340,149, Nov. 3, 1936. Republished Nov. 6.
Fruits, Fresh citrus. The Citrapak Corporation. 550,522, Nov. 6; Serial No. 603,667, published June 12, 1951.
Fruits preserved with sugar, Fresh; mince meat and fruit mix, etc. Lyons-Magnus, Incorporated. 550,365, Nov. 6; Serial No. 553,293, published July 3, 1951.
Hamburger, Frozen, frozen steaks, frozen chops, etc. D. Burg. 550,584, Nov. 6; Serial No. 565,749.
Icing for cakes and cookies. B. Y. Michaelis and A. Lasser. 550,586, Nov. 6; Serial No. 581,241.
Jams, fruit jellies, fruit preserves, etc. Baumer Foods, Inc. 550,378, Nov. 6; Serial No. 565,106, published July 3, 1951.
Milk, Fluid non-fat. Steffen Dairy Foods Company, Inc. 550,505, Nov. 6; Serial No. 601,175, published June 12, 1951.
Mustard, Prepared. McCormick & Company, Inc. 550,498, Nov. 6; Serial No. 599,575, published Aug. 7, 1951.
Olive oil. V. A. D'Aprile. 550,437, Nov. 6; Serial No. 585,570, published June 12, 1951.
Olive oil. R. Gerber and Company. 550,580, Nov. 6; Serial No. 528,127.
Potato chips. R. O. Rutledge. 550,588, Nov. 6; Serial No. 585,952.
Sandwiches, Barbecue. Neely Bros. 550,581, Nov. 6; Serial No. 535,866.
Syrups, Flavored. R. W. Snyder Company. 550,354, Nov. 6; Serial No. 545,552, published Aug. 14, 1951.
Vanilla flavoring extracts. Vanilla Laboratories, Inc. 550,361, Nov. 6; Serial No. 551,418, published Aug. 21, 1951.
Vegetable shortening. Delta Products Company. 550,468, Nov. 6; Serial No. 594,107, published July 10, 1951.

CLASS 47

Wines. Nichols & Co., Incorporated. 352,019, Nov. 16, 1937. Republished Nov. 6.

CLASS 48

Beer. The Krantz Brewing Co. 84,183, re-renewed Nov. 14, 1951. O. G. Nov. 6.
Beer. Acme Brewing Co. 83,200, re-renewed Aug. 29, 1951. O. G. Nov. 6.

CLASS 49

Whiskey. Belmont Distillery Co. 48,677, Jan. 9, 1906. Republished Nov. 6.

CLASS 50

Animal figures and miniature pins in the nature of insignia. M. Palmer. 444,593, Nov. 6; Serial No. 485,830, published July 17, 1951.
Banners, bird houses, door mats, etc. The Lehon Company. 444,595, Nov. 6; Serial No. 520,750, published July 10, 1951.
Chick feeders, hog feeders, and chick fountains. Gamble-Skogmo, Inc. 550,531, Nov. 6; Serial No. 604,343, published July 17, 1951.
Closures for containers. L. L. Kellett. 550,480, Nov. 6; Serial No. 597,528, published Aug. 7, 1951.
Covers used to cover motor generators. Lehara Sales Corporation. 550,533, Nov. 6; Serial No. 604,642, published July 17, 1951.
Earthenware figures and wall plaques. W. Goebel Porzellanfabrik Oeslau und Wilhelmsfeld. 550,571, Nov. 6; Serial No. 608,969, published Aug. 7, 1951.
Earthenware figures and wall plaques. W. Goebel Porzellanfabrik Oeslau und Wilhelmsfeld. 550,572, Nov. 6; Serial No. 608,970, published July 10, 1951.
Farm machinery and barnyard equipment. Hawkeye Steel Products, Inc. 550,372, Nov. 6; Serial No. 556,579, published Aug. 7, 1951.
Fly swatters. Midwest Service Company. 550,482, Nov. 6; Serial No. 597,835, published Aug. 7, 1951.
Greenhouses, Portable miniature. Chase Protected Cultivation Limited. 550,523, Nov. 6; Serial No. 603,729, published July 31, 1951.
Identification devices. Gey Band and Tag Company. 550,525, Nov. 6; Serial No. 603,883, published July 17, 1951.
Kits for making model buildings. R. A. Bonnett. 550,478, Nov. 6; Serial No. 596,710, published Aug. 14, 1951.
Mats and rugs, Protective and cushioning. American Mat Corporation. 550,528, Nov. 6; Serial No. 604,178, published July 17, 1951.
Mats, Flexible rubber. The Paine & Williams Company. 550,483, Nov. 6; Serial No. 598,103, published July 17, 1951.
Mats, Floor, shower mats, bath mats, etc. The Sun Rubber Company. 550,481, Nov. 6; Serial No. 597,639, published July 17, 1951.
Mats, Resilient. Western Rubber Company. 550,394 Nov. 6; Serial No. 571,590, published July 3, 1951.
Mats, Table, stove mats, and household utility mats. Phoenix Table Mat Co. 550,532, Nov. 6; Serial No. 604,491, published Aug. 14, 1951.
Metal road barricade. Bell Enterprises. 550,412, Nov. 6; Serial No. 578,233, published July 10, 1951.
Package containing a liquid for coating the surfaces of gloves, etc. B. Bigelow. 550,409, Nov. 6; Serial No. 577,419, published July 31, 1951.
Plastic film in the nature of artificial leather. R. H. Black. 550,417, Nov. 6; Serial No. 578,759, published Aug. 7, 1951.
Pottery figurines, hand painted and ornamental chinaware figurines, etc. Baker Imperial Co., Inc. 550,458, Nov. 6; Serial No. 590,794, published Aug. 14, 1951.
Poultry feeder, Automatic mechanical. Feed-O-Matic Co., Inc. 550,451, Nov. 6; Serial No. 587,669, published July 3, 1951.
Protective covers for automobiles, etc. National Industrial Laundries. 550,386, Nov. 6; Serial No. 569,090, published Aug. 14, 1951.
Shoe lasts, Plastic. American Medical Glass Company. 550,526, Nov. 6; Serial No. 603,951, published July 31, 1951.
Statues, Small. T. A. Hennessey. 550,501, Nov. 6; Serial No. 599,944, published July 31, 1951.
Tarpaulins and tents, Fire resistant. H. Wenzel Tent & Duck Co. 550,431, Nov. 6; Serial No. 583,628, published July 17, 1951.
Tarpaulins and tents, Water repellent. H. Wenzel Tent & Duck Co. 550,432, Nov. 6; Serial No. 583,629, published July 17, 1951.
Vacuum sealing covers. R. Scherrer. 550,545, Nov. 6; Serial No. 605,371, published Aug. 7, 1951.

CLASS 51

Bath oil. D. L. and E. M. Stockbridge. 550,598, Nov. 6; Serial No. 605,391.
Cleaner for dental plates. E. C. West. 550,582, Nov. 6; Serial No. 545,922.
Cosmetic preparations. R. Turner. 550,410, Nov. 6; Serial No. 577,756, published July 3, 1951.
Essential oils and armoatic chemical preparations. Fritzsche Brothers, Inc. 188,456, Aug. 26, 1924. Republished Nov. 6.
Fixative for compounded oils. Fritzsche Brothers, Inc. 421,974, June 25, 1946. Republished Nov. 6.
Fixatives and fortifiers for perfumes. Fritzsche Brothers, Inc. 422,031, June 25, 1946. Republished Nov. 6.
Hair dressing, Liquid. Boyer International Laboratory, Incorporated. 550,426, Nov. 6; Serial No. 581,167, published July 3, 1951.
Hand-portable travel kit which contains cosmetics. Daggett & Ramsdell. 550,355, Nov. 6; Serial No. 545,722, published July 3, 1951.
Lotion, Antiseptic, medicated and deodorant. The Foot-Ill Co., Inc. 550,473, Nov. 6; Serial No. 595,194, published July 3, 1951.
Perfume extract. Lavin Parfums, Inc. 290,192, renewed Dec. 22, 1951. O. G. Nov. 6.
Perfume extracts, perfume, toilet water, etc. Caron Corporation. 550,430, Nov. 6; Serial No. 583,426, published July 3, 1951.
Perfumes, toilet waters, colognes, etc. Benard & Honnorat. 550,462, Nov. 6; Serial No. 591,551, published July 3, 1951.
Shampoo and hand and scalp creams. J. B. Calva. 550,356, Nov. 6; Serial No. 546,757, published Nov. 2, 1948.
Substitutes for essential oils. Fritzsche Brothers, Inc. 434,334, Nov. 18, 1947. Republished Nov. 6.
Synthetic chemical compound. Fritzsche Brothers, Inc. 434,676, Dec. 2, 1947. Republished Nov. 6.

CLASS 52

Cleaning compound, Improved. Quigley Company, Inc. 287,468, renewed Sept. 29, 1951. O. G. Nov. 6.
Detergent, Alkaline. Allied Chemical & Dye Corporation. 550,454, Nov. 6; Serial No. 589,366, published Aug. 7, 1951.
Detergent or whitening agent. J. Miele. 550,420, Nov. 6; Serial No. 579,340, published Aug. 7, 1951.
Detergents, Laundry, industrial floor cleaning compounds, etc. Nelson Chemicals Corporation. 550,502, Nov. 6; Serial No. 600,137, published Aug. 7, 1951.

Fixative for compounded oils. Fritzsche Brothers, Inc. 421,974, June 25, 1946. Republished Nov. 6.

Liquid preparation for cleaning jewelry. Glit-O-Ring, Inc. 550,419, Nov. 6; Serial No. 579,278, published Aug. 7, 1951.

Quick acting liquid preparation for removal of blood stains from fabrics. Patek and Co. 550,455, Nov. 6; Serial No. 589,408, published Aug. 7, 1951.

Shampoo tints. Eterne Manufacturing Corporation. 550,408, Nov. 6; Serial No. 576,965, published Aug. 21, 1951.

Soap. Swift and Company. 288,958, renewed Nov. 10, 1951. O. G. Nov. 6.

Soap, Waterless hand. F. E. Thompson, Jr. 550,416, Nov. 6; Serial No. 578,652, published Aug. 15, 1950.

CLASS 100

Consultation services. Philadelphia Quartz Company. 546,401, Aug. 7, 1951. Corrected. O. G. Nov. 6.

Making arrangements for parties as gifts from purchasers of the service to recipients in the celebration of anniversaries, birthdays, etc. J. M. Weis. 550,600, Nov. 6; Serial No. 534,577.

Making arrangements for parties as gifts from purchasers of the service to recipients in the celebration of anniversaries, birthdays, etc. J. M. Weis. 550,601, Nov. 6; Serial No. 537,854.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Green, Vernon L.: *See*—
Nystrom, Karl F., and Green.

Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Railroad car truck. Re. 23,428, Nov. 6.

LIST OF DESIGN PATENTEES

American Safety Razor Corporation, assignee: *See*—
Treiss, Herman G., Jr.

Ankney, Robert W., Walton Hills Village, Ohio. Pendant magnifying lens. 165,043, Nov. 6.

Arnold, Harold G., Wooster, Ohio. Ash tray. 165,044, Nov. 6.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Jewelry component or similar article. 165,045, Nov. 6.

Bailey, Harold G., Berkley, assignor to Dearborn Motors Corporation, Detroit, Mich. Tandem disk harrow. 165,046, Nov. 6.

Baldwin Company, The, assignee: *See*—
Millington, William, and Day.

Barofsky, Jack, Los Angeles, Calif. Combined table ornament and statuary box. 165,047, Nov. 6.

Breath, Elias, New York, N. Y. Glove. 165,048, Nov. 6.

Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 165,049, Nov. 6.

Buschmann, Rudi P., Sunland, and V. Jensen, Glendale, Calif. Combination accelerometer and gradometer or the like. 165,050, Nov. 6.

Costas, Samuel G., Fond du Lac, Wis. Portable illuminable direction sign. 165,051, Nov. 6.

Cramer, Roy A., Kansas City, Mo. Armchair. 165,052, Nov. 6.

Crawford, Arthur, Baltimore, Md. Combined sign and trellis. 165,053, Nov. 6.

Crowthers, Arlis L., Los Angeles, Calif. Head covering or similar article. 165,054, Nov. 6.

Danielson, Paul F., San Marino, Calif. Sink strainer. 165,055, Nov. 6.

Day, John L., Jr., Portland, Oreg. Paper knife. 165,056, Nov. 6.

Day, Wilbur M.: *See*—
Millington, William, and Day.

Dearborn Motors Corporation, assignee: *See*—
Bailey, Harold G.

Deremer, Floyd E., Detroit, assignor to Oldberg Manufacturing Company, Grand Haven, Mich. Muffler for an exhaust gas system. 165,057, Nov. 6.

Deutsch, Simon, Miami Beach, Fla. Adjustable metal couch chair. 165,058, Nov. 6.

Doering, Charles and H., Chicago, Ill. Continuous processing machine for butter, margarine, or similar article. 165,059, Nov. 6.

Doering, Henry: *See*—
Doering, Charles and H.

Doram, Tony M., Baltimore, Md. Building. 165,060, Nov. 6.

Eichenbaum, Herman, Rockville Centre, N. Y. Umbrella. 165,061, Nov. 6.

Emmons, Arthur N., Nedrow, N. Y., and P. Müller-Munk, Pittsburgh, Pa., assignors to Porter-Cable Machine Company, Syracuse, N. Y. Portable electric hand saw. 165,062, Nov. 6.

Erickson, C. E., Co., Inc., assignee: *See*—
Erickson, Ernest R.

Erickson, Ernest R., assignor to C. E. Erickson Co., Inc., Des Moines, Iowa. Display fixture. 165,063, Nov. 6.

Etten, Nicholas L., Cedar Falls, Iowa. Awning or similar article. 165,064, Nov. 6.

Forman Family, Inc., assignee: *See*—
Forman, Sol, Ramer, and Mund.

Forman, Sol. L. Ramer, and A. Mund, New York, assignors to Forman Family, Inc., Brooklyn, N. Y. Embossed metal sheet or similar article. 165,065, Nov. 6.

Fulton Company, The, assignee: *See*—
Riemann, Howard C.

Gelman, Harry A. and M., Chicago, Ill. Rocking chair. 165,066, Nov. 6.

Gelman, Mac: *See*—
Gelman, Harry A. and M.

Gilkerson, Marian H.: *See*—
Sloan, Jervis H., and Gilkerson.

Granat, Joseph, San Francisco, Calif. Watch. 165,067, Nov. 6.

Guild, Lurelle V. A., assignor to Underwood Corporation, New York, N. Y. Accounting machine. 165,068, Nov. 6.

Hamlin, Lewis W., Little Rock, Ark. Foundation ventilator grill. 165,069, Nov. 6.

Hayman, Robert L., Chicago, Ill. Toy airplane. 165,070, Nov. 6.

Hayman, Robert L., Chicago, Ill. Toy airplane. 165,071, Nov. 6.

Heilig, Theodore, Long Beach, N. Y. Spray head for an aerosol dispenser or similar article. 165,072, Nov. 6.

Heilig, Theodore, Long Beach, N. Y. Spray head for an aerosol dispenser or similar article. 165,073, Nov. 6.

Herrmann, Ernest, New York, N. Y., assignor to Heyward-Wakefield Company, Gardner, Mass. Bed. 165,074, Nov. 6.

Heyward-Wakefield Company, assignee: *See*—
Herrmann, Ernest.

High, Fred R.: *See*—
Vuillemenot, Fred A., and High.

Hill, Joseph A., Glen Ellyn, Ill. Combined cream and sugar vessels and tray therefor. 165,075, Nov. 6.

Hill, Joseph A., Glen Ellyn, Ill. Combined jars and tray unit. 165,076, Nov. 6.

Jensen, Volmer: *See*—
Buschmann, Rudi P., and Jensen.

Kandarian, Belle A., Fresno, Calif. Piano bench. 165,077, Nov. 6.

Klein, Ben, Santa Monica, Calif. Frame for barber's seat. 165,078, Nov. 6.

Kono, Alexander, Forest Hills, N. Y. Spectacle frame or the like. 165,079, Nov. 6.

Lenneberg, Julius, New York, N. Y. Clasp. 165,080, Nov. 6.

Leser, Tina, New York, N. Y. Combined cape and scarf. 165,081, Nov. 6.

Little, John M., assignor to Toledo Scale Company, Toledo, Ohio. Slicing machine. 165,082, Nov. 6.

Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,083, Nov. 6.

Main, David W., Denver, Colo. Airplane. 165,084, Nov. 6.

Marchisio, Robert G., Wenham, assignor to Sylvania Electric Products Inc., Salem, Mass. Lighting fixture louver. 165,085, Nov. 6.

Marcus, Philip M., New York, N. Y. Slip. 165,086, Nov. 6.

Marcus, Philip M., New York, N. Y. Slip. 165,087, Nov. 6.

McElgin, John W., assignor to John J. Nesbitt, Inc., Philadelphia, Pa. Air circulator and furniture unit. 165,088, Nov. 6.

McElgin, John W., assignor to John J. Nesbitt, Inc., Philadelphia, Pa. Air circulating unit. 165,089, Nov. 6.

Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 165,090, Nov. 6.

Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 165,091, Nov. 6.

Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 165,092, Nov. 6.

Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 165,093, Nov. 6.

Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 165,094, Nov. 6.

Mitchell, William L., Omaha, Nebr. Four-in-hand necktie. 165,095, Nov. 6.

Müller-Munk, Peter: *See*—
Emmons, Arthur N., and Müller-Munk.

Müller-Munk, Peter, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator. 165,096, Nov. 6.

Mund, Arthur: *See*—
Forman, Sol, Ramer, and Mund.

Musser, Clair O., Evanston, Ill. Combined plant receptacle and chime. 165,097, Nov. 6.
Muszynski, Marcia G., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 165,098, Nov. 6.
Nesbitt, John J., Inc., assignee: *See*—
McElgin, John W.
Oldberg Manufacturing Company, assignee: *See*—
Deremer, Floyd E.
Orloff, Herman B.: *See*—
Rothchild, Aaron, and Orloff.
Orloff, Jack, New York, N. Y. Blouse. 165,099, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,100, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,101, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,102, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,103, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,104, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,105, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,106, Nov. 6.
Orloff, Jack, New York, N. Y. Blouse. 165,107, Nov. 6.
Perlman, Arnold, Greenwich, Conn., assignor to Helene Pessl, Inc., New York, N. Y. Bottle. 165,108, Nov. 6.
Pessl, Helene, Inc., assignee: *See*—
Perlman, Arnold.
Petrosky, Stanley, National City, Calif. Dispensing brush for bottles. 165,109, Nov. 6.
Porter-Cable Machine Company, assignee: *See*—
Emmons, Arthur N., and Müller-Munk.
Rachins, Edward, Brookline, Mass. Bottle. 165,110, Nov. 6.
Ramer, Leonard: *See*—
Forman, Sol, Ramer, and Mund.
Riemann, Howard C., assignor to The Fulton Company, West Allis, Wis. Utility tray. 165,111, Nov. 6.
Roper, Geo. D., Corporation, assignee: *See*—
Stuman, Jack B.
Rothchild, Aaron, Flushing, and H. B. Orloff, Yonkers, N. Y. Combined belt, purse, and pen. 165,112, Nov. 6.
Rubin, Billi, New York, N. Y. Dress. 165,113, Nov. 6.
St. Clair, Theodore A., South Euclid, Ohio. Fluid pressure gauge or similar article. 165,117, Nov. 6.
Saxon, John, Toledo, Ohio. Tie rack. 165,114, Nov. 6.
Sloan, Jervis H., St. Louis, and M. H. Gilkerson, Chesterfield, Mo. Shoe. 165,115, Nov. 6.
Sloan, Jervis H., St. Louis, and M. H. Gilkerson, Chesterfield, Mo. Shoe. 165,116, Nov. 6.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
Strinning, Karin G. B. and N. E., Alvsjo, Sweden. Wall shelf. 165,118, Nov. 6.
Strinning, Nils E.: *See*—
Strinning, Karin G. B. and N. E.
Stuman, Jack B., assignor to Geo. D. Roper Corporation, Rockford, Ill. Handle. 165,119, Nov. 6.
Sylvania Electric Products Inc., assignee: *See*—
Marchisio, Robert G.
Toledo Scale Company, assignee: *See*—
Little, John M.
Treiss, Herman G., Jr., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Combined table lighter and ash receiver rack. 165,120, Nov. 6.
Underwood Corporation, assignee: *See*—
Guild, Lurelle V. A.
United States Rubber Company, assignee: *See*—
Muszynski, Marcia G.
Verrand, Mamie, New York, N. Y. Dress. 165,121, Nov. 6.
Vuillemenot, Fred A., Raynham, and F. R. High, Attleboro, Mass. Bottle. 165,122, Nov. 6.
Weinberg, Paul, Los Angeles, Calif. Glove holding attachment for handbags or the like. 165,123, Nov. 6.
Westinghouse Electric Corporation, assignee: *See*—
Müller-Munk, Peter.
Westmore, Ernest H., North Hollywood, Calif. Hair holder. 165,124, Nov. 6.
White, Clarence J., Peoria, Ill. Floral rack. 165,125, Nov. 6.
Wiggins, Walter, Jr., Beaver Heights, Md. Cabin cruiser. 165,126, Nov. 6.
Zenith Radio Corporation, assignee: *See*—
Budlong, Robert D.
Zoss, Samuel R., Youngstown, Ohio. Stand for Hanukkah lights. 165,127, Nov. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aasland, John L., Moline, Ill., assignor to International Harvester Company. Rotary stalk cutter and shredder. 2,573,887, Nov. 6.
Abbott Laboratories, assignee: *See*—
Fields, Mack R., and Roehr.
Abegg, Walter A., Los Angeles, Calif. Pipe joint. 2,574,081, Nov. 6.
Abell, Roy F., Schenectady, assignor to American Locomotive Company, New York, N. Y. Locomotive shroud closure. 2,573,755, Nov. 6.
Adams, Chester E., Highland, Ind., and W. A. Proell, assignors to Standard Oil Company, Chicago, Ill. Sulfonyl halide manufacture. 2,573,674, Nov. 6.
Adams, John R., Jr.: *See*—
Salvin, Victor S., and Adams.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Eskew, Roderick K., Homiller, and Phillips.
Filachione, Edward M., Fein, and Fisher.
Ryberg, Milton E., Burney, and Joy.
White, Jonathan W., Jr.
Aiken, John K.: *See*—
Jones, Harry, and Aiken.
Air Reduction Company, Incorporated, assignee: *See*—
Greene, William J.
Airscrew Company Limited, The, assignee: *See*—
Riddiford, Richard G.
Albin, Archer O., Lynbrook, N. Y., assignor to Mergenthaler Linotype Company. Magazine shifting safety device. 2,574,005, Nov. 6.
Allen, Arthur N., Jr.: *See*—
Anderson, John E., and Allen.
Allen, Edgar A. Wheelersburg, Ohio. Synchronous motor clockwork. 2,574,430, Nov. 6.
Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to Rudolph I. Schonitzer, Cleveland, Ohio. Control mechanism for door latches. 2,573,679, Nov. 6.
Allen, John G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovering hydrogen fluoride in an alkylation process. 2,574,006, Nov. 6.
All Star Products, Inc., assignee: *See*—
Ingle, Donald P., and Reiches.
Altube, Juan M. C., Rosario, Stanta Fe, Argentina. Closure operating means. 2,574,312, Nov. 6.
American Cyanamid Company, assignee: *See*—
Daniel, John H., Jr., Landes, and Pollard.
Germann, Richard P.
Lacey, Harold T., and Dombroski.
Moyer, Samuel P.
Parker, Robert P., and Webb.
American Locomotive Company, assignee: *See*—
Abell, Roy F.
American Optical Company, assignee: *See*—
Mahler, Joseph.
Splaine, Edward M.
American Seating Company, assignee: *See*—
Hoven, Alfred C., and Nordmark.
American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.
Vincent, Le Roy J.
American Tire Machinery, Inc., assignee: *See*—
Collins, James E., and Douglas.
American Viscose Corporation, assignee: *See*—
Furness, William H.
Thompson, Donald C.
Ampro Corporation, assignee: *See*—
Ireland, Richard P.
Andersen, Joakim U. F., Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Roto-vibrator. 2,574,082, Nov. 6.
Anderson, Alvin E.: *See*—
Solomon, Nathan L., Anderson, and Feyrer.
Anderson Blow-Pipe and Manufacturing Company, assignee: *See*—
Anderson, Charles V.
Anderson, Charles V., Seattle, Wash., assignor to Anderson Blow-Pipe and Manufacturing Company. Apparatus for removing wood waste. 2,574,161, Nov. 6.
Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Method and apparatus for feeding blanks. 2,573,944, Nov. 6.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Clamping device. 2,574,007, Nov. 6.
Anderson, John E., Portland, and A. N. Allen, Jr., East Windsor Hill, assignors to United Aircraft Corporation, East Hartford, Conn. Propeller pitch change motor. 2,573,783, Nov. 6.
Anderson, Joseph F., assignor to Burr Watson & Associates, Inc., Denver, Colo. Typesetting means in laundry marking machines. 2,573,756, Nov. 6.
Anderson, Robert J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Wire coating compositions. 2,574,313, Nov. 6.
Andrews, Bernard R., Braintree, Mass. Drying apparatus. 2,574,083, Nov. 6.
Anglo-International Industries Ltd., assignee: *See*—
Guardiola-Aragonès, Jaime, J. F.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Docksey, Patrick, and Porter.
Lorne, Henry T., and Porter.
Porter, Frederick W. B.
Porter, Frederick W. B., and Green.
Porter, Frederick W. B., and Northcott.
Anstice, Mortimer R., Sr., Rochester, N. Y., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Glass washer. 2,573,945, Nov. 6.
Apex Electrical Manufacturing Co., assignee: *See*—
Cockerill, Gerald I., and Archbold.
Arant, Perry, assignor to Clayton Manufacturing Company, Alhambra, Calif. Steam generating apparatus. 2,574,368, Nov. 6.
Archbold, Ralph L.: *See*—
Cockerill, Gerald I., and Archbold.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Timing device. 2,574,314, Nov. 6.
Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 1-acetoxy-1,1-dicyano ethane. 2,574,235, Nov. 6.
Ardis, Alan E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Solution of a polymer of vinylidene cyanide in tetramethyl urea. 2,574,369, Nov. 6.
Ardis, Alan E., Cuyahoga Falls, and F. D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of 1-acetoxy-1,1-dicyano ethane. 2,574,234, Nov. 6.
Armour and Company, assignee: *See*—
Potts, Ralph H., and Olson.
Thede, Harold.
Armstead, Floyd P., Shelton, Wash. Three-dimensional mathematical demonstrator. 2,573,946, Nov. 6.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Gardner, Irvine C.
Arner, George R., Sr., Cornwells Heights, Pa. Hoisting apparatus. 2,574,236, Nov. 6.
Arnold, Arthur F., United States Coast Guard. Sleeve type relief valve. 2,573,680, Nov. 6.
Asbury, Charles T., Fort Lauderdale, Fla. Apparatus for dispensing materials. 2,573,784, Nov. 6.
Atkinson, William B., Colorado Springs, Colo. Self-unloading vehicle. 2,574,315, Nov. 6.
Automatic Electric Laboratories, Inc., assignee: *See*—
Wicks, John.
Automatic Equipment Manufacturing Company, assignee: *See*—
Rhoades, Don W.
Automotive Service Tools, Inc., assignee: *See*—
Linn, Charles E., and Hummel.
Aylesworth, Carman F., Ferndale, Mich. Ventilator. 2,573,757, Nov. 6.
Ayres, John E., Elizabeth, N. J. Smoking pipe. 2,573,822, Nov. 6.
B. & B. Oil Tool Co., assignee: *See*—
Brown, Howard C.
Baay, John, New York, N. Y. Smoking stand with reflector and lamp. 2,574,164, Nov. 6.
Bachelder, Le Roy B., Dayton, Ohio. Storm window. 2,573,681, Nov. 6.
Badger Shirt Company, The, assignee: *See*—
Lange, Frank C.
Bailey, Bradford E., Elizabeth, N. J., assignor to Standard Oil Development Company. Equipment for removal of entrained solids. 2,574,370, Nov. 6.
Bailey, Theodore, Habana, Cuba. Dry shaver. 2,573,758, Nov. 6.
Bailey, William R.: *See*—
Blinn, Welford C., and Bailey.

Baker, Bertrand M., Grand Rapids, Mich. Roller bearing drawer guide. 2,574,162, Nov. 6.

Baker, John F.: *See*—
Sanford, Hugh W., and Baker.

Baker, Theodore C., Perrysburg, Ohio, assignor to Emhart Manufacturing Company. Machine for high-frequency determination of wall thickness of bottles and the like. 2,573,824, Nov. 6.

Ball, Arthur F.: *See*—
Constantine, George R., and Ball.

Bamford, Charles J., Sr., Trenton, assignor to Homasote Company, Incorporated, Fernwood, N. J. Mechanism for fabricating building sections. 2,574,163, Nov. 6.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Transmission. 2,574,431, Nov. 6.

Bánovský, Alois, and A. Kružík, assignors to Bata, národní podnik, Zlin, Czechoslovakia. Machine for pretreating plastic materials. 2,573,825, Nov. 6.

Band-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.

Barghausen, John W. B., Mount Rainier, and J. A. Van Allen, Silver Spring, Md., assignors to the United States Government as represented by the Secretary of the Navy. Altimeter actuated by cosmic rays. 2,573,823, Nov. 6.

Barnes, Brady E.: *See*—
Wiegner, Joseph W., Gilda, Klasey, and Barnes.

Barret, William M., assignor to Engineering Research Corporation, Shreveport, La. Electromagnetic-wave investigations. 2,573,682, Nov. 6.

Barrow, James R., assignee: *See*—
Barrow, Russell J.

Barrow, Russel J., assignor of one-half to J. R. Barrow, Columbiana, Ohio. Hand-guided rotary earth-working implement. 2,574,237, Nov. 6.

Barton, Paul D., Phoenixville, assignor to Sun Oil Company, Philadelphia, Pa. Depressuring system. 2,574,139, Nov. 6.

Baťa, národní podnik, assignee: *See*—
Bánovský, Alois, and Kružík, Zaoral, Josef, and Ostrčil.

Battelle Development Corporation, assignee: *See*—
Walkup, Lewis E., and Fauser.

Bean, Morris, and W. S. Touchman, Yellow Springs, Ohio, and W. C. Bruckman, Bergenfield, N. J., assignors to General Motors Corporation, Detroit, Mich. Plaster mixing machine. 2,574,238, Nov. 6.

Beau-T-Form Foundations, Inc., assignee: *See*—
Sutter, Edward R.

Beja, Maurice, assignor to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques, Paris, France. Extracting gallium oxide from aluminous substances. 2,574,008, Nov. 6.

Belford, Alexander, and F. A. Kuss, assignors to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,574,009, Nov. 6.

Bell, Edward R., Berkeley, F. F. Rust, Oakland, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of hydroperoxide compounds. 2,573,947, Nov. 6.

Bell, Lawrence S., Owings Mills, Md. Screw cap with locking means. 2,574,239, Nov. 6.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Kannenberg, Walter F.
Trucksess, David E.

Bender, Harry, and H. M. Pitt, Torrance, Calif., assignors to Stauffer Chemical Company. Manufacture of the gamma isomer of hexachlorocyclohexane. 2,574,165, Nov. 6.

Bendix Aviation Corporation, assignee: *See*—
Goldberg, Harold.

Benjamin, Joseph: *See*—
Benjamin, Samuel C., and J.

Benjamin, Samuel C. and J., Chicago, Ill. Beverage dispensing apparatus. 2,573,888, Nov. 6.

Benson, Harry D., Fresno, assignor to General Nailing Machine Corporation, Sanger, Calif. Nailing table for box lidding machines. 2,573,826, Nov. 6.

Benzol Products Company, assignee: *See*—
Ringk, William F., and Freeman.

Berg, Emil G., Erie, Pa., assignor to Jet Electric Shaver Corporation, New York, N. Y. Electrical shaving device. 2,574,316, Nov. 6.

Berg, Emil G., Erie, Pa., assignor to Jet Electric Shaver Corporation, New York, N. Y. Electrical shaving device. 2,574,317, Nov. 6.

Bernard, Lorn T., Grand Rapids, Mich. Pump jack. 2,573,948, Nov. 6.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in making insoles. 2,573,683, Nov. 6.

Beyer, Robert T.: *See*—
Rossi, Bruno, Sack, Beyer, and Miller.

Bian, John T., Chicago, Ill., assignor to the partnership composed of J. T. Bian, A. Zwissig, W. J. Spellman, B. H. Williams, E. Booth, and T. V. McDavitt. Extraction drier. 2,574,085, Nov. 6.

Bigelow, William K., Madison, N. J. Hosiery packaging. 2,573,827, Nov. 6.

Binder, Thomas W., Maplewood, N. J. Refrigeration apparatus, including defrosting means. 2,573,684, Nov. 6.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuit. 2,574,373, Nov. 6.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Half cycling protective and indicating systems. 2,574,374, Nov. 6.

Bjorndahl, Tobias N., Watrous, Saskatchewan, Canada. Shaker table for combines or threshers. 2,574,010, Nov. 6

Black & Decker Manufacturing Company, The, assignee: *See*—
Holland, Thomas W.

Blackinton, Willard S., La Mesa, Calif. Lathe attachment for cutting spherical shapes. 2,574,240, Nov. 6.

Blair, Mark L., Flossmoor, and A. J. McAllister, assignors to United Specialties Company, Chicago, Ill. Chaff screen. 2,574,011, Nov. 6.

Blatchford, John, Shobrooke, Crediton, England. Animal trap. 2,573,759, Nov. 6.

Blinn, Welford C., United States Navy, Arlington, Va., and W. R. Bailey, Washington, D. C. Humidostat. 2,573,685, Nov. 6.

Blinn, Welford C., Arlington, Va., and W. R. Bailey, Chevy Chase, Md. Temperature indicating device. 2,573,686, Nov. 6.

Blizzard, James R., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dissolving of polymers. 2,573,949, Nov. 6.

Bloch, Herman S., Chicago, and H. E. Mammen, La Grange, assignors to Universal Oil Products Company, Chicago, Ill. Sulfonation of alkyl aromatic hydrocarbons. 2,573,675, Nov. 6.

Blumenthal, Francis H., assignor to West Coast Fittings Co., Los Angeles, Calif. Fixture hanger. 2,574,205, Nov. 6.

Bobst, Joseph S., Milwaukee, Wis. Truss or beam for metallic building structures. 2,574,241, Nov. 6.

Bondi, James: *See*—
Stoos, Norman T., Jr., and Bondi.

Bonne, Robert, P. Cahour, and P. Grivet, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Electron discharge tube and circuit arrangement therefor. 2,574,012, Nov. 6.

Booth, Ernest, assignee: *See*—
Bian, John T.

Booton, Leon W., Copperhill, Tenn., assignor to Tennessee Copper Company, New York, N. Y. Apparatus for roasting sulfide ores. 2,573,785, Nov. 6.

Borg-Warner Corporation, assignee: *See*—
Reed, Harold V.

Boschen, Henry C., Scarsdale, assignor to Raymond Concrete Pile Company, New York, N. Y. Marine oil well derrick foundation. 2,574,140, Nov. 6.

Boswau, Hans P., Dundee, Ill. Automatic telephone switching mechanism. 2,573,889, Nov. 6.

Bowditch, Hoel L., Jamaica Plain, assignor to The Foxboro Company, Foxboro, Mass. Indicator for recording instrument. 2,573,950, Nov. 6.

Boyd, Donald S., Kansas City, Kans. Leaf turner. 2,574,013, Nov. 6.

Boydstun, Ira S., Houston, Tex. Device for dispensing discrete particles. 2,574,166, Nov. 6.

Boykin, Robert O., Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Impulse testing device. 2,573,830, Nov. 6.

Bozel-Maletra Société Industrielle de Produits Chimiques, assignee: *See*—
Lehmann, René L., and Lintner.

Brandes, Guenther C. F., Dundee, Ill. Making baskets. 2,574,371, Nov. 6.

Braselton, Chester H., New York, N. Y. Cosmetic applicator. 2,573,828, Nov. 6.

Braselton, Chester H., New York, N. Y. Storage battery and protecting means therefor. 2,573,829, Nov. 6.

Breden, Calvin R.: *See*—
Stammer, William C., and Breden.

Breen, Henry D., Chicago, and A. G. Kuellmar, Blue Island, assignors to Union Asbestos & Rubber Company, Chicago, Ill. Power take-off device. 2,574,372, Nov. 6.

Brelsch, Edgar W., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Portable and emergency equipment for inductive carrier communication systems. 2,574,167, Nov. 6.

Brennan, Joseph B., Bratenahl, Ohio. Making sintered metal stencils. 2,573,951, Nov. 6.

Bretherton, Thomas O., Villanova, Pa. Apparatus for depositing strips of adhesive upon a base material. 2,573,952, Nov. 6.

Brick, Bayard R., assignor to W. Wurdack, St. Louis, Mo. Coating porous masonry to render it water repellent. 2,574,168, Nov. 6.

Brill, Edward F., and O. W. Schroeder, Milwaukee, Wis. Refrigerated display case. 2,574,242, Nov. 6.

Brinker, Emil M.: *See*—
Jack, William R., and Brinker.

Brinnick, Frederic E. *See*—
Frost, Frederick H., and Brinnick.

Briskman, Samuel, assignee: *See*—
See, Francis W.

Brock, Myron R., College Park, Md. Sprinkler. 2,573,687, Nov. 6.

Brodbeck, John E., and L. J. Kading, Compton, Calif. Sprinkler. 2,573,786, Nov. 6.

Broderick, Frank A., Houston, Tex. Tussle mitten. 2,574,086, Nov. 6.

Brown, Earl E., assignor of one-half to G. A. Streitz, Camden, N. J. Packing tool for forming and installing impressionable comminuted or plastic packing. 2,574,169, Nov. 6.

Brown, Guy E., and B. K. Macey, Burlington, Vt. Instrument for measuring or indicating the specific gravity of liquids. 2,574,432, Nov. 6.

Brown, Howard C., assignor to B. & B. Oil Tool Co., Bakersfield, Calif. Apparatus for cleaning perforations. 2,574,141, Nov. 6.

Brown, Robert O.: *See*—
Harrel, Chastain G., and Brown.

Browning, Leander, Greenwood, Ind. Spray boom device. 2,574,206, Nov. 6.

Bruckman, William C.: *See*—
Bean, Morris, Touchman, and Bruckman.

Brush Development Company, The, assignee: *See*—
Christian, Dean R.
Lynch, Thomas E.

Bryce, Allan E., Providence, R. I. Slide fastener for detachably attaching buttons to fabric and the like. 2,574,014, Nov. 6.

Buckeye Steel Castings Company, The, assignee: *See* — Orr, Claude L., and Settles.

Buckmann, John P., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Pest control using a sulfurized halogenated petroleum distillate. 2,573,953, Nov. 6.

Buckner, William H., Starkville, Miss., assignor to Talladega Foundry and Machine Company, Talladega, Ala. Bunch building mechanism for spinning or winding machines. 2,574,015, Nov. 6.

Buongirno, Frank G., Wallingford, Conn. Radiator fin for pipes. 2,574,142, Nov. 6.

Burckhalter, Burton B., Clifton, Colo. Rotary fluid brake. 2,573,831, Nov. 6.

Burg, Fred G., Los Angeles, Calif. Flexible toolholder. 2,574,016, Nov. 6.

Burbans, Eugene C., Lockport, N. Y. Carton handling device. 2,574,087, Nov. 6.

Burkhardt, Hans, Oberursel-on-Taunus, near Frankfurt-on-the-Main, assignor to Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfurt-on-the Main, Germany. Aluminum alloy. 2,574,318, Nov. 6.

Burney, Harold W.: *See*—
Ryberg, Milton E., Burney, and Joy.

Bush, John M., assignor to Phillips Manufacturing Co., Chicago, Ill. Degreasing apparatus. 2,574,084, Nov. 6.

Butler, Frank D., United States Navy. Internal-combustion engine variable combustion chamber. 2,573,688, Nov. 6.

Butler, Frank D., Washington, D. C. Internal-combustion engine variable combustion chamber. 2,573,689, Nov. 6.

Byrum, Tyra P., assignee: *See*—
Light, Cordell C.

Cable and Wireless Limited, assignee: *See*—
Warburton, Fred.

Cadwallader, John O., Rocky Ford, Colo. Smokehouse meat rack. 2,574,319, Nov. 6.

Cahour, Pierre: *See*—
Bonne, Robert, Cahour, and Grivet.

California Cedar Products Company, assignee: *See*—
Hagan, Owen C.

Callahan, Harold, Tulsa, Okla. Rod packing. 2,573,832, Nov. 6.

Cambridge Thermionic Corporation, assignee: *See*—
Franklin, Constance W.

Campbell, Ramsey G., Richmond, Calif., assignor to Stauffer Chemical Company. Separating the isomers of hexachlorocyclohexane. 2,573,676, Nov. 6.

Canadian Hanson and Van Winkle Company Limited, assignee: *See*—
Richards, Victor L.

Cardwell, Paul H., and P. D. Muir, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Treating earth formations. 2,573,690, Nov. 6.

Carter Carburetor Corporation, assignee: *See*—
Korte, Alfred C.
Wiegner, Joseph W., Gilda, Klasey, and Barnes.

Casson, Wesley C., Old Greenwich, Conn. Water pistol with mechanism which discharges a succession of water shots. 2,573,954, Nov. 6.

Caterpillar Tractor Co., assignee: *See*—
Gustafson, Carl A.

Celanese Corporation of America, assignee: *See*—
Salvin, Victor S., and Adams.

Central Commercial Industries, Inc., assignee: *See*—
Evett, Arthur F.

Chapman, Dave, Chicago, Ill. Wood products and making. 2,574,375, Nov. 6.

Charlton, Henry E., Ashton-on-Mersey, assignor to Petrocarbon Limited, London, England. Furnace for converting hydrocarbons. 2,574,088, Nov. 6.

Chenicek, Joseph A.: *See*—
Schmerling, Louis, and Chenicek.

Cherne, Lloyd G., Minneapolis, Minn. Mechanical compass pencil. 2,573,760, Nov. 6.

Chesler, Isidor, Oceanport, N. J., assignor to Eagle Pencil Company. Writing instrument. 2,573,691, Nov. 6.

Chicago Pneumatic Tool Company, assignee: *See*—
Fischer, Howard R., and Roberts.

Childs, Wayne B., Schenectady, and F. A. Schnell, Endwell, N. Y., and R. J. Newman, Newark, N. J., assignors to General Electric Company. Antenna scanner. 2,574,376, Nov. 6.

Chin, Pao H.: *See*—
Knauth, Berthold A., and Chin.

Christensen, Carlo M., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric switch actuator. 2,573,833, Nov. 6.

Christenson, Roger M., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company. Recovery of sterols. 2,573,891, Nov. 6.

Christenson, Roger M., and R. E. Harpt, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Separation of tall oil components. 2,573,890, Nov. 6.

Christian, Dean R., Medina, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recording and reproducing. 2,574,207, Nov. 6.

Cincinnati Industries, Inc., assignee: *See*—
Rowe, William W.

Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. System for directional interchange of energy between wave guides and free space. 2,574,433, Nov. 6.

Clayton Manufacturing Company, assignee: *See*—
Arant, Perry.

Club Aluminum Products Co., assignee: *See*—
Pashby, Robert W.

Coca-Cola Company, The, assignee: *See*—
Copping, Bruce G.

Cochran, Jacqueline, Indio, Calif. Luggage case having a removable lining. 2,574,089, Nov. 6.

Cocker Machine and Foundry Company, assignee: *See*—
Rea, Thomas K.

Cockerill, Gerald I., Cleveland Heights, and R. L. Archbold, Euclid, assignors to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Combined washer and extractor. 2,574,170, Nov. 6.

Coggeshall, Thellwell R., Bala Cynwyd, Pa., assignor to General Electric Company. Quick-release valve. 2,574,377, Nov. 6.

Coghill, James T.: *See*—
Hill, Harold S., and Coghill.

Coghill, Robert D.: *See*—
Stodola, Frank H., Wachtel, and Coghill.

Colby, Merrill K., Sparta, Mich. Gun sling. 2,574,143, Nov. 6.

Coleman Company, Inc., The, assignee: *See*—
St. John, Roscoe N.

Colgate-Palmolive-Peet Company, assignee: *See*—
Malkemus, John D., and Ross.

Collins, James E., Maywood, and A. W. Douglas, assignors to American Tire Machinery, Inc., Los Angeles, Calif. Tire side wall mold. 2,574,171, Nov. 6.

Collins, Ronald B., R. C. M. Smith, and O. E. Pratt, assignors to Ilford Limited, Ilford, England. Treatment of colored colloid layers. 2,574,243, Nov. 6.

Colonna, Angelo, Wynnewood, Pa. Refrigerator door latch. 2,574,244, Nov. 6.

Colt's Manufacturing Company, assignee: *See*—
Porter, George R.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Kreisinger, Henry.

Compagnie Française de Raffinage (Société Anonyme), assignee: *See*—
Gislon, André and Valet.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Bonne, Robert, Cahour, and Grivet.
Ortusi, Antoine J., and Fechner.

Conley, A. M., assignee: *See*—
Moran, Theron W.

Conley Company, The, assignee: *See*—
Moran, Theron W.

Constantine, George R., and A. F. Ball, Haverhill, assignors to The Service Wood Heel Co., Lawrence, Mass. Machine for making wedge heels. 2,573,692, Nov. 6.

Continental Can Company, Inc., assignee: *See*—
Henchert, John.
Stammer, William C., and Breden.

Control Instrument Company, Inc., assignee: *See*—
Libman, Earl E., and Lohse.
Trott, Timothy.

Cooney, Thomas F., New Haven, Conn. Convertible davenport and bed. 2,573,892, Nov. 6.

Copping, Bruce G., Atlanta, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Truck body for carrying bottle cases. 2,574,017, Nov. 6.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Corrigan, John D., New York, N. Y. Shoe sole straightener. 2,574,320, Nov. 6.

Corry, Stuart E.: *See*—
Woody, Wayland B., and Corry.

Cossor, A. C., Limited, assignee: *See*—
Wynn, Arthur H. A.

Cotton, Dwight M., Oakland, Calif. Luggage rack for automobiles. 2,574,018, Nov. 6.

Court, Patrick R. J., assignor to Pye Limited, Cambridge, England. Apparatus incorporating a cathode-ray device, particularly television receivers. 2,574,245, Nov. 6.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Production of a pigment complex, including a reacted starch. 2,573,677, Nov. 6.

Crockett, William P., Jr., Chicago, Ill. Lighting fixture for elongated tubular lamps. 2,574,019, Nov. 6.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Wire line tensioning device. 2,574,378, Nov. 6.

Crosby, William H., Oil City, Pa. Collapsible disposable container. 2,574,246, Nov. 6.

Crossett Lumber Company, assignee: *See*—
Sandborn, Lloyd T.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Shortstopping an emulsion polymerization reaction with alkyl polysulfide. 2,574,020, Nov. 6.

Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Conducting reactions in the presence of a solid material. 2,574,247, Nov. 6.

Crowson, Jewel D., L. L., and J. H., Texarkana, Ark. Jointed fishing pole ferrule. 2,574,249, Nov. 6.

Crowson, Jonas H.: *See*—
Crowson, Jewel D., L. L., and J. H.

Crowson, Jonas H., Texarkana, Ark. Pole straightener. 2,574,248, Nov. 6.

Crowson, Louis L.: *See*—
Crowson, Jewel D., L. L., and J. H.

Crowthers, Arlis L., North Hollywood, Calif. Head covering. 2,574,208, Nov. 6.

Cubberley, Mitchell H., Belleville, N. J. Safety ski binding. 2,573,955, Nov. 6.

Culver, Harry H., Williamsport, Pa. Clinker crushing furnace grate. 2,574,021, Nov. 6.

Cummings, Noble E., Goodlettsville, Tenn. Rolling row crop cultivator. 2,574,379, Nov. 6.

Curtiss-Wright Corporation, assignee: *See*—
Rose, Howard E.

Czechoslovak Metal and Engineering Works, national corporation, assignee: *See*—
Votruba, Karel.

Dahl, Carl P., Euclid, assignor to The Parker Appliance Company, Cleveland, Ohio. Filling and draining attachment for tanks. 2,574,022, Nov. 6.

Daisy Manufacturing Company, assignee: *See*—
Wells, William S.

Dalton, Herman L., assignor of one-half to E. W. Tubbs, Chattanooga, Tenn. Trunnion support for attachments. 2,574,250, Nov. 6.

Dana Corporation, assignee: *See*—
Zingsheim, Edward W.

Daniel, Alfred H., Waynesville, Mo. Tail brace. 2,574,172, Nov. 6.

Daniel, John H., Jr., Cos Cob, C. G. Landes, New Canaan, Conn., and J. D. Pollard, Baltimore, Md., assignors to American Cyanamid Company, New York, N. Y. Treating nonfibrous cellulosic film and resulting product. 2,573,956, Nov. 6.

Daniel, John H., Jr., Cos Cob, C. G. Landes, New Canaan, Conn., and J. D. Pollard, Baltimore, Md., assignors to American Cyanamid Company, New York, N. Y. Treating nonfibrous cellulose film and resulting product. 2,573,957, Nov. 6.

Davidson, Ivor M., South Farnborough, assignor to Power Jets (Research and Development) Limited, London, England. Duct intake or entry for gaseous fluid flow diffuser system. 2,573,834, Nov. 6.

Daying, B. C., assignee: *See*—
Platzer, George E.

De Bell, George W., Stamford, Conn. Machine for making hollow plastic articles. 2,573,693, Nov. 6.

Deering Milliken Research Trust, assignee: *See*—
Klein, Norman E.

De Ganahl, Carl, Trenton, N. J., C. C. Smith, Warrington, and I. P. Romberger, Jr., Langhorne, Pa., assignors to Kaiser Metal Products, Inc. Detergent dispenser and timer valve for dish-washing machines. 2,573,787, Nov. 6.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain polyol ethers. 2,573,893, Nov. 6.

Derby Sealers, Incorporated, assignee: *See*—
Erhardt, Oscar P.
Krueger, Alfred P.

Detrex Corporation, assignee: *See*—
Dinley, Clarence F.

Detroit Harvester Company, assignee: *See*—
McLeod, Stewart B.

De Weiss, Ferdinand A.: *See*—
Tandler, Williams, de Weiss, Walker, and Frering.

Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.

De Zubay, Egon A., and R. A. Sforzini, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion chamber with stepped wall construction. 2,573,694, Nov. 6.

Dickhart, Dewey B.: *See*—
Fox, Gerald B., and Dickhart.

Dinley, Clarence F., assignor to Detrex Corporation, Detroit, Mich. Dry cleaning machine. 2,574,251, Nov. 6.

Ditto, Incorporated, assignee: *See*—
Rundblad, George J.

Dixon, Joseph, Crucible Company, assignee: *See*—
Noe, Harold C.

Docksey, Patrick, and F. W. B. Porter, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of gas oil-kerosense mixtures. 2,574,446, Nov. 6.

Docksey, Patrick, and F. W. B. Porter, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of gas oil. 2,574,448, Nov. 6.

Dofsen, Floyd J., assignor to Electric Manufacturing Company, Inc., San Francisco, Calif. Roadway with sound tracks and forming the tracks. 2,574,090, Nov. 6.

Dolnick, Arthur A., and H. Naidus, assignors to Publicker Industries Inc., Philadelphia, Pa. Hydrohalogenation of olefins. 2,573,695, Nov. 6.

Dolson, Leo R., and G. Stone, Sebastopol, Calif. Egg washer. 2,574,252, Nov. 6.

Dombroski, Frank P.: *See*—
Lacey, Harold T., and Dombroski.

Dominic, Joseph, Botwood, Newfoundland. Safety feed control device for oil burners. 2,573,696, Nov. 6.

Douglas, Arthur W.: *See*—
Collins, James E., and Douglas.

Dow Chemical Company, The, assignee: *See*—
Cardwell, Paul H., and Muir.

Du Fault, Edmund W., Wollaston, Mass. Wallet protector. 2,574,023, Nov. 6.

Duffy, Emmet J., Oak Park, assignor to Hazeltine Research, Inc., Chicago, Ill. Generator. 2,574,253, Nov. 6.

Dunbar, James Y., and D. L. Herr, United States Navy. Multitube mosaic reso-jet motor. 2,573,697, Nov. 6.

Duncan, Gordon W., Westfield, N. J., assignor to Standard Oil Development Company. Operating internal-combustion engines and fuel therefor. 2,574,321, Nov. 6.

Dunlop Rubber Company Limited, assignee: *See*—
Seddon, Robert M.
Trevaskis, Henry W.

Du Pont, E. I. de Nemours & Company, assignee: *See*—
Blizzard, James R.

Durrell, Louis F., San Antonio, Tex. Gas heater safety device. 2,574,173, Nov. 6.

Dutelle, André, La Garenne-Colombes, assignor to Societe de Construction d'Outillage Mecanique, SCOM, Dutelle, Gervaise and Co., Aubervilliers, France. Staple forming and setting machine. 2,574,380, Nov. 6.

Dyar, Robert L., Milwaukee, Wis. Apparatus for coating flat disks. 2,573,835, Nov. 6.

Dyrdahl, Lewis, Oldham, S. Dak. Sanitary hog trough. 2,574,174, Nov. 6.

Eaddy, Ernest J., Spartanburg, S. C. Bobbin carrier. 2,573,958, Nov. 6.

Eagle Pencil Company, assignee: *See*—
Chesler, Isidor.

Eaton Appliance Corporation, assignee: *See*—
Eaton, Charles F.

Eaton, Charles F., assignor to Eaton Appliance Corporation, Salem, N. H. Resuscitation apparatus. 2,574,091, Nov. 6.

Eaton, Charles F., assignor to Eaton Appliance Corporation, Salem, N. H. Apparatus for inducing respiration by tilting. 2,574,092, Nov. 6.

Edmunds, William H., Havertown, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Adjustable trip. 2,574,093, Nov. 6.

Edwards and Company, Inc., assignee: *See*—
Miller, Christian.

Electric Manufacturing Company, Inc., assignee: *See*—
Dofsen, Floyd J.

Electric & Musical Industries Limited, assignee: *See*—
Sommer, Alfred.

Ellenburg, Arthur M., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions of matter comprising halogenated organic compounds. 2,573,894, Nov. 6.

Ellery, Emmett C., Hollywood, Calif. Stirrup for orthopedic braces. 2,573,698, Nov. 6.

Elliott, Daniel O., South Bend, Ind. Air heating furnace dome construction. 2,574,024, Nov. 6.

Emhart Manufacturing Company, assignee: *See*—
Baker, Theodore C.
Lyle, Aaron K.

Engineering Research Corporation, assignee: *See*—
Barret, William M.

Engstrom, Oscar L., New York, N. Y. Hair clip. 2,574,144, Nov. 6.

Enslow, John P., San Francisco, and P. L. Wagner, Walnut Creek, said Enslow assignor to J. R. Rule, Berkeley, Calif. Angularly adjustable circular saw mounting. 2,574,025, Nov. 6.

Erdelyi, Serge, assignor to O. Lord, Vienna, Austria. Sewing machine. 2,574,381, Nov. 6.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing machine. 2,574,175, Nov. 6.

Ericson, George E.: *See*—
Sabin, James O., and Ericson.

Eshbaugh, Jesse E., and N. Walker, Flint, assignors to General Motors Corporation, Detroit, Mich. Aircraft cooling valve. 2,574,254, Nov. 6.

Eskew, Roderick K., Glenside, R. P. Homiller, Three Tuns, and G. W. M. Phillips, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Making frozen concentrated fruit juices. 2,573,699, Nov. 6.

Eslick, Arthur U., Grosse Pointe Woods, Mich. Screw holding screw driver. 2,574,026, Nov. 6.

Esselman, Walter H.: *See*—
Santini, Danilo, Keiper, and Esselman.

Etablissements Merlin & Gerin, assignee: *See*—
Latour, André.

Eureka Williams Corporation, assignee: *See*—
Hammell, Kemper M., and O'Malley.

Everedy Company, The, assignee: *See*—
Lebherz, Harry J.

Everlasting Valve Company, assignee: *See*—
Wilson, Wylie G.

Evett, Arthur F., Brookfield, assignor to Central Commercial Industries, Inc., Cook County, Ill. Electric switch. 2,573,895, Nov. 6.

Eye, William J., and C. W. Hull, said Eye assignor to A. R. Hull, Bartow, W. Va. Single pedal combination hydraulic and mechanical vehicle brake. 2,574,255, Nov. 6.

Falson, Phillip J., Chicago, Ill. Conduit box cover. 2,574,382, Nov. 6.

Farber, Eduard, assignor to Timber Engineering Company, Washington, D. C. Treatment of wood waste. 2,574,027, Nov. 6.

Farrans Limited, assignee: *See*—
McMullan, William.

Fauser, Donald L.: *See*—
Walkup, Lewis E., and Fauser.

Fechner, Patrice: *See*—
Ortusi, Antoine J., and Fechner.

Fein, Martin L.: *See*—
Filachione, Edward M., Fein, and Fisher.

Felsa A.-G., assignee: *See*—
Meyer, Friedrich.

Fener, Alfred, and H., Brooklyn, assignors to Nicholas Langer, New York, N. Y. Heat-sealing machine of the thermal impulse type. 2,574,094, Nov. 6.

Fener, Howard: *See*—
Fener, Alfred, and H.

Ferguson, Harold W., and S. Schwartz, Rochester, N. Y. Venetian blind. 2,573,700, Nov. 6.

Feyrer, William F.: *See*—
Solomon, Nathan L., Anderson, and Feyrer.

Fields, Mack R., Libertyville, Ill., and Z. M. Roehr, New York, N. Y., assignors to Abbott Laboratories, North Chicago, Ill. Gas container and dispensing means. 2,574,028, Nov. 6.

Filachione, Edward M., Philadelphia, Pa., M. L. Fein, Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Polyethylene glycol esters of acyloxycarboxylic acids. 2,573,701, Nov. 6.

Firth, Marcie R., Rodessa, La. Valve. 2,573,761, Nov. 6.

Fischer, Howard R., and J. A. Roberts, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Distributing valve. 2,574,096, Nov. 6.

Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Drilling fluids. 2,573,959, Nov. 6.

Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Drilling fluid concentrates. 2,573,960, Nov. 6.

Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Low-resistance drilling fluids. 2,573,961, Nov. 6.

Fisher, Charles H.: *See*—
Filachione, Edward M., Fein, and Fisher.

Fisk, John E., South Euclid, Ohio. Safety razor. 2,574,176, Nov. 6.

Fitzsimons, Frank E., St. Louis, Mo. Mouse trap. 2,574,322, Nov. 6.

Flisik, Alvin C., Stony Point, and L. Nicholl, Nyack, N. Y. Recovering crystalline cyanoacetic acid. 2,574,256, Nov. 6.

Flowers, Henry F., Findlay, Ohio. Double-webbed rail wheel. 2,574,323, Nov. 6.

Folkers, Karl, Plainfield, N. J., and J. Shavel, Jr., Evanston, Ill., assignors to Merck & Co., Inc., Rahway, N. J. Alumina chromatographic purification of liver extracts. 2,573,702, Nov. 6.

Forstner Chain Corporation, assignee: *See*—
Schoeninger, Adolf O.

Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Making all-textile elastic fabrics. 2,574,029, Nov. 6.

Foster, Robert B., Los Angeles, Calif., assignor to J. B. Smiley, Washington, D. C. Remote control for radio receivers. 2,574,097, Nov. 6.

Fox, Earl C., and R. C. Strohacker, Coshocton, Ohio. Sectional door. 2,573,962, Nov. 6.

Fox, Gerald B., and D. B. Dickhart, assignors to The Hobart Manufacturing Company, Troy, Ohio. Strainer for food handling apparatus. 2,573,836, Nov. 6.

Fox, Lorenzo L., Little Falls, assignor of one-half to J. T. McDermott, Albany, N. Y. Automatic stirring device for cooking pans. 2,573,837, Nov. 6.

Fox West Coast Theatres Corporation, assignee: *See*—
McCullough, Russell H.

Foxboro Company, The, assignee: *See*—
Bowditch, Hoel L.

Franklin, Constance W., Belmont, assignor to Cambridge Thermionic Corporation, Cambridge, Mass. Manufacturing piezoelectric crystals free of conflicting modes of vibration. 2,574,257, Nov. 6.

Franks Manufacturing Corporation, assignee: *See*—
Woody, Wayland B., and Corry.

Fraraccio, Pasco, Providence, R. I. Centrifugal cleaning and drying machine. 2,574,098, Nov. 6.

Freas, Robert R., Jr., Jermyn, Pa., assignor to Radio Corporation of America. Coincidence indicator for electronic counters. 2,574,145, Nov. 6.

Free, Albert L., and D. B. Hoffman, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Radar receiver sensitivity control system. 2,573,762, Nov. 6.

Freeman, Stanley K.: *See*—
Ringk, William F., and Freeman.

Freeman, Stephen E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of glyceride oils. 2,573,896, Nov. 6.

Freeman, Stephen E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Use of naphtha reflux. 2,573,898, Nov. 6.

Freeman, Stephen E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Solvent fractionation of glyceride oils. 2,575,899, Nov. 6.

Freeman, Stephen E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of glyceride oils. 2,573,900, Nov. 6.

Freeman, Stephen E., Pittsburgh, Pa., and S. W. Glover, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Solvent extraction of vitamin A from fish liver oil. 2,573,897, Nov. 6.

Frering, John L.: *See*—
Tandler, William S., de Weiss, Walker, and Frering.

Frost, Frederick H., Portland, and F. E. Brinnick, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass. Light-sensitive compositions and plates for photolithography. 2,574,258, Nov. 6.

Fulkerson, Glenn C., Kingsport, and J. L. Johnson, Blountville, Tenn. Ready-built metal outside privy. 2,573,838, Nov. 6.

Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Rod packing for shock absorbers. 2,574,209, Nov. 6.

Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Electrolytic cell. 2,573,788, Nov. 6.

Gaddis, Gene T., assignor to Minneapolis-Honeywell Regulating Company, Minneapolis, Minn. Temperature control apparatus. 2,574,383, Nov. 6.

Gale, Alvin D., Beachwood Village, Ohio. Rear windshield. 2,573,789, Nov. 6.

Gardner, Henry A., Laboratory, Inc., assignee: *See*—
Hunter, Richard S.

Gardner, Irvine C., Chevy Chase, Md., assignor to the United States of America, as represented by the Secretary of the Army. Boresighting device. 2,573,703, Nov. 6.

Garrison, William E., Denton, Tex. Single trigger mechanism for double-barrel guns. 2,573,839, Nov. 6.

Gaut, William N., assignor to Gibson, Inc., Kalamazoo, Mich. Pitch changing mechanism for stringed musical instruments. 2,573,963, Nov. 6.

Gaylord Container Corporation, assignee: *See*—
George, Walter C.

Gear Grinding Machine Company, The, assignee: *See*—
Verville, Lloyd J., and Miller.

Geigy Company Limited, The, assignee: *See*—
Jones, Harry, and Aiken.

General Developers Company, assignee: *See*—
Singleton, Clifford L.

General Electric Company, assignee: *See*—
Bivens, Maurice E.
Childs, Wayne R., Schnell, and Newman.
Coggeshall, Thellwell R.
Lesher, William C.
Lloyd, Randall E.
Rowe, Raymond N.
Rowe, Robert F.
Rubano, Carmell A.
Szetela, Casimere A.
Wood, Charles W.

General Mills, Inc., assignee: *See*—
Anderson, Helmer.

General Motors Corporation, assignee: *See*—
Bean, Morris, Touchman, and Bruckman.
Eshbaugh, Jesse E., and Walker.
Funkhouser, Mearick.
Marvin, John T., and McFadden.
Nichols, Charles A.
Sampson, Frederick W.
Wagner, Robert M.
Walker, Vernon L.

General Nailing Machine Corporation, assignee: *See*—
Benson, Harry D.
General Spring Corporation, assignee: *See*—
Wood, Joseph K.
George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Carton with automatic cover locking means. 2,574,384, Nov. 6.
Germann, Richard P., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Manufacture of pyrazines. 2,574,324, Nov. 6.
Gessler, Harry C., Brooklyn, N. Y., assignor to Medco Silver Co. Inc. Cutlery receptacle tray. 2,574,099, Nov. 6.
Gettys, Harold R., North Bend, and R. P. Kissick, assignors to Stacey Brothers Gas Construction Company, Cincinnati, Ohio. Mounting for cutting torches. 2,574,100, Nov. 6.
Gibson, Inc., assignee: *See*—
Gaut, William N.
Gilbert, Nathan, Sheffield, and I. A. Hobbs, Florence, Ala., assignors to Tennessee Valley Authority. Making calcium fluoride. 2,573,704, Nov. 6.
Gilda, Edward T.: *See*—
Wiegner, Joseph W., Gilda, Klasey, and Barnes.
Gilreath, John F., Charlotte, N. C. Tractor mounted pulverizer and roller combination. 2,574,385, Nov. 6.
Girard, Dean C., San Leandro, and F. T. Roach, Hayward, Calif., assignors, by mesne assignments, to National Cylinder Gas Company. Arc welding system. 2,573,901, Nov. 6.
Gislon, André, and A. M. Valet, assignors to Compagnie Française de Raffinage (Societe Anonyme), Paris, France. Manufacture of alcohols from olefins 2,574,325, Nov. 6.
Glover, John A.: *See*—
Piros, John J., and Glover.
Gloyer, Stewart W.: *See*—
Freeman, Stephen E., and Gloyer.
Gloyer, Stewart W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company. Solvent concentration of vitamins. 2,573,902, Nov. 6.
Godet, Raymond, Paris, France. Gas fueling system for filling truck-mounted container by using the power of the truck motor. 2,574,177, Nov. 6.
Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Television intermediate frequency amplifier. 2,574,259, Nov. 6.
Goldsmith, Bertram J., Neshanic, N. J., and W. H. Hindle, Allentown, Pa., assignors to Royal Swan, Inc., Dover, Del. Dyeing only the cellulose acetate ends of a mixed fabric using a dye paste comprising a swelling agent for the cellulose acetate. 2,573,705, Nov. 6.
Goldstine, Hallan E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Generating groups of currents. 2,574,326, Nov. 6.
Gollmer, Hugo C., assignee: *See*—
Heck, Joseph.
Goodrich, B. F., Company, The, assignee: *See*—
Ardis, Alan E.
Ardis, Alan E., and Stewart.
Gordon, Valerie M. F., Camberley, England. Waterproof garment. 2,573,903, Nov. 6.
Gotteman, Melvin, assignor to Mel-Ton Bags, Inc., New York, N. Y. Carrying receptacle. 2,574,146, Nov. 6.
Graber, Robert P.: *See*—
Johnson, William S., and Graber.
Grady, George A., Boston, and J. M. Walsh, Roslindale, Mass. Traction device for automotive tires. 2,574,327, Nov. 6.
Graflex, Inc., assignee: *See*—
Wilson, John D., and Smith.
Graham, Elizabeth N., New York, N. Y. Fitted traveling case. 2,573,763, Nov. 6.
Grand Rapids Store Equipment Company, assignee: *See*—
Vanderveld, Anthony.
Grant, Jesse R., Chicago, Ill. Shipping case. 2,573,706, Nov. 6.
Grass, Albert M., Quincy, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rate measuring and comparing circuit. 2,573,840, Nov. 6.
Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Processing sulfur-vulcanizable elastomer compounds. 2,573,707, Nov. 6.
Green, Carl J., Oak Ridge, Tenn. Variable pitch propeller. 2,573,764, Nov. 6.
Green, Carl J., Oak Ridge, Tenn. Tobacco stripper and grader. 2,574,030, Nov. 6.
Green, Frank R. G.: *See*—
Porter, Frederick W. B., and Green.
Green, Henry L., Salisbury, D. J. Thomas, Tony, near Salisbury, and W. J. Harris, Salisbury, assignors to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Filter. 2,573,964, Nov. 6.
Green, John E.: *See*—
Lewis, Donald H., Hall, and Green.
Greene, William J., Plainfield, N. J., assignor to Air Reduction Company, Incorporated. Machine for thermochemically severing metal workpieces. 2,574,101, Nov. 6.
Greentree, Alexander, Nacogdoches, Tex., and D. A. Hermanson, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Refining petroleum hydrocarbons. 2,574,434, Nov. 6.
Gretener, Edgar, Zurich, Switzerland. Illumination system. 2,574,031, Nov. 6.
Griffith, Frank, Philadelphia, Pa. Die head for cutting threads. 2,574,260, Nov. 6.
Grivet, Pierre: *See*—
Bonne, Robert, Cahour, and Grivet.
Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Weaving loop pile fabrics. 2,573,841, Nov. 6.
Grossman, Richard M., Chicago, Ill. Shower head. 2,573,904, Nov. 6.
Guardiola-Aragonès, Jaime J. F., Geneva, Switzerland, assignor to Anglo-International Industries Ltd., Tangier, Morocco. Preparing a hydrophilic cellulose gel. 2,574,210, Nov. 6.
Gubisch, Erwin A., assignor to Teletype Corporation, Chicago, Ill. Spreader device for selector devices. 2,574,102, Nov. 6.
Guglielmoni, Igino G., Massapequa, N. Y. Combination kitchen sink and dishwashing cabinet. 2,573,965, Nov. 6.
Guichard, Raymond A. E., Paris, France. Multiple filing jacket or holder for paper. 2,574,386, Nov. 6.
Gulf Research & Development Company, assignee: *See*—
Whitaker, Arthur C., and Weinrich.
Guptill, Ernest W.: *See*—
Watson, William H., and Guptill.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Latch mechanism for carry type scraper ejectors. 2,573,765, Nov. 6.
Guthmann, George L., Chicago, Ill. Folding chair. 2,574,387, Nov. 6.
Hagan, Owen C., assignor to California Cedar Products Company, Stockton, Calif. Moisture detecting apparatus. 2,574,261, Nov. 6.
Hall, Adin H.: *See*—
Lewis, Donald H., Hall, and Green.
Hall, Leslie F.: *See*—
Sammons, Herbert, and Hall.
Hall, Rollie D., Houston, Tex. Parker House roll machine. 2,573,708, Nov. 6.
Haller, Frank, Brooklyn, N. Y. Safety belt. 2,574,178, Nov. 6.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Fluid control. 2,573,842, Nov. 6.
Hamlin, Henry F., Manlius, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Dry cleaning. 2,573,966, Nov. 6.
Hamlin, Henry F., Manlius, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Electrical precipitation method. 2,573,967, Nov. 6.
Hammell, Kemper M., Bloomington, and R. P. O'Malley, Farmer City, Ill., assignors to Eureka Williams Corporation, Detroit, Mich. Centrifugal switch. 2,573,968, Nov. 6.
Hapman, Hannah J., assignee: *See*—
Hapman, Henry W.
Hapman, Henry W., assignor, by mesne assignments, of forty per cent to H. J. Hapman, Detroit, Mich. Sludge removing system. 2,573,905, Nov. 6.
Hardin, William A., Copperhill, Tenn., assignor to Tennessee Copper Company, New York, N. Y. Sintering apparatus. 2,574,388, Nov. 6.
Hare, Wilfred A., Windsor, Ontario, Canada. Stoker control. 2,574,032, Nov. 6.
Harper, Adolf, Middletown, Conn. Luggage lock. 2,574,033, Nov. 6.
Harpt, Ralph E.: *See*—
Christenson, Roger M., and Harpt.
Harrel, Chastain G., and R. O. Brown, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Producing a stabilizing ingredient for food products. 2,574,179, Nov. 6.
Harris, Martin D., Paterson, N. J. Prosthetic devices. 2,574,180, Nov. 6.
Harris, Walter J.: *See*—
Green, Henry L., Thomas, and Harris.
Harrold, Burr E., and C. Huffman, Jr., Montpelier, Ind. Headrest for inside work on automobiles. 2,574,389, Nov. 6.
Hartley, Paul H., Westport, Conn. Color harmonizing card game. 2,574,328, Nov. 6.
Hatcher, David B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of alkenylhalosilanes. 2,574,390, Nov. 6.
Haynes, Robert B., assignee: *See*—
Spaleny, George R.
Hazeltine Research, Inc., assignee: *See*—
Duffy, Emmet J.
Loughren, Arthur V.
Heck, Joseph, assignor of one-half to H. C. Gollmer, New York, N. Y. Valve with built-in operating cylinder for pressure fluid operations. 2,574,262, Nov. 6.
Hefner, John P., Houston, Tex. Gasoline driven hammer. 2,574,103, Nov. 6.
Heimann, Heinrich, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Self-locking retaining ring. 2,574,034, Nov. 6.
Heiskell, Herbert C., Joplin, Mo. Automatic rafter square. 2,574,035, Nov. 6.

Heitzig, Frederick F., Fieldon, Ill. Two-way plow. 2,573,969, Nov. 6.
Hemming, Charles B., New Rochelle, assignor to United States Plywood Corporation, New York, N. Y. Process and apparatus for producing laminated paper tubes. 2,574,329, Nov. 6.
Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing device for volatile products. 2,574,036, Nov. 6.
Henderson, Lawrence O.: *See*—
Hickman, Augustus A., Henderson, and Patriacco.
Hendrickson, Fritz E., South Elgin, assignor of fifty per cent to Murray Ireland, Elgin, Ill. Buffing wheel. 2,574,037, Nov. 6.
Hendrix, Don O., and R. M. Langer, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Pneumatic gauging device. 2,573,843, Nov. 6.
Hercules Powder Company, assignee: *See*—
Jones, James L., Jr.
Saunders, Robert H.
Hermann Thorens Société Anonyme, assignee: *See*—
Thévenaz, Louis.
Hermanson, Donald A.: *See*—
Greentree, Alexander, and Hermanson.
Herr, Donald L.: *See*—
Dunbar, James Y., and Herr.
Herrly, Raymond A., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Apparatus for filling molds with foamed latex. 2,574,391, Nov. 6.
Hersey, Henry J., Jr., Chatham, N. J. Dust filter. 2,573,844, Nov. 6.
Herzog, Henry, Cleveland, Ohio. Valve repair tool. 2,573,790, Nov. 6.
Hess, Charles, Yonkers, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Target operated taping machine. 2,574,181, Nov. 6.
Hickman, Augustus A., Brooklyn, L. O. Henderson, and A. Patriacco, New York, N. Y. Pipe joint. 2,574,182, Nov. 6.
Hicks, W. Wesley, assignee: *See*—
Kercher, Arthur J.
Hill, Harold S., Kenogami, Quebec, and J. T. Coghill, Rochester, N. Y., assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Apparatus for rapid heat transfer in process material. 2,573,709, Nov. 6.
Hill, Lonnie B., Enid, Okla. Dirigible floodlight. 2,574,211, Nov. 6.
Hinckley, Garfield L., Fleet, and J. H. W. Simmons, Rushwick, assignors to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Cathode-ray tube time-base circuit. 2,573,970, Nov. 6.
Hindle, Walter H.: *See*—
Goldsmith, Bertram J., and Hindle.
Hinds, Mrs. William E., special administratrix: *See*—
Hinds, William E.
Hinds, William E., deceased, Hillsboro, Oreg.: Mrs. W. E. Hinds, special administratrix. Injection apparatus. 2,574,263, Nov. 6.
Hirschmann, Jack B.: *See*—
Maurer, Frank W., and Hirschmann.
Hobart Manufacturing Company, The, assignee: *See*—
Fox, Gerald B., and Dickhart.
Meeker, David A., and Reussenzehn.
Hobbs, Isaac A.: *See*—
Gilbert, Nathan, and Hobbs.
Hobbs, James M., Tucson, Ariz. Firearm. 2,574,147, Nov. 6.
Hoefer, Jacob J., Williams, Iowa. Front end rake means for tractors. 2,573,971, Nov. 6.
Hoffman, De Bremond B.: *See*—
Free, Albert L., and Hoffman.
Holke, Eugene E., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,573,710, Nov. 6.
Holland, Thomas W., Towson, Md., assignor to The Black & Decker Manufacturing Company. Battery lead clamp. 2,573,972, Nov. 6.
Holmes, Michael J., Windsor, Ontario, Canada. Sprinkler. 2,574,183, Nov. 6.
Holmqvist, Nils E. F.: *See*—
Vigren, Sten D., and Holmqvist.
Homasote Company, Incorporated, assignee: *See*—
Bamford, Charles J., Sr.
Homestead Valve Manufacturing Company, assignee: *See*—
Ofeldt, Frank W.
Homiller, Richard P.: *See*—
Eskew, Roderick K., Homiller, and Phillips.
Honorary Advisory Council for Scientific and Industrial Research of Canada, assignee: *See*—
Watson, William H., and Guptill.
Hopper, Clyde R.: *See*—
Parker, Leo, and Hopper.
Hotpoint Inc., assignee: *See*—
Low, Frank D.
Hoven, Alfred C., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Adjustable back rest chair structure. 2,573,845, Nov. 6.
Howard, Emory H., Des Moines, Iowa. Mailbox bracket. 2,574,038, Nov. 6.
Howells, John N. M., Kittery, Maine. Heat applying bandage. 2,573,791, Nov. 6.
Huebner, William C., New York, N. Y. Roll film camera attachment. 2,574,392, Nov. 6.
Huff, Lyman C., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Multistage catalytic conversion of bituminous solids. 2,573,906, Nov. 6.
Huffman, Clifton, Jr.: *See*—
Harrold, Burr E., and Huffman.
Hull, A. Ray, assignee: *See*—
Eye, William J., and Hull.
Hull, Carl W.: *See*—
Eye, William J., and Hull.
Hult, Oscar N., Eugene, Oreg. Control for automatically presetting blocks on sawmill carriages. 2,574,393, Nov. 6.
Hummel, Paul H.: *See*—
Linn, Charles E., and Hummel.
Humphreys, Hanna R., assignor to The Humphreys Railways, Inc., Weems, Va. Apparatus for handling fish. 2,573,907, Nov. 6.
Humphreys Railways, Inc., The, assignee: *See*—
Humphreys, Hanna R.
Hunter, Richard S., Franklin Park, Va., assignor to Henry A. Gardner Laboratory, Inc., Bethesda, Md. Color and color difference meter. 2,574,264, Nov. 6.
Huss, Philip L., La Belle, Fla. Parallel shank dual socket wrench. 2,574,212, Nov. 6.
Hutkin, David L., and L. Lettes, Memphis, Tenn. Cuff marking device. 2,574,148, Nov. 6.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Separation of organosilicon materials. 2,574,265, Nov. 6.
Hydro-Blast Corporation, The, assignee: *See*—
Luce, Roy L.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Portable elevator with tensioning means for raising conveyer chute. 2,573,908, Nov. 6.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Cornhusking attachment for portable farm elevators. 2,573,909, Nov. 6.
Hyman, Sidney, New York, N. Y. Handbag construction. 2,573,766, Nov. 6.
I-T-E Circuit Breaker Company, assignee: *See*—
Edmunds, William H.
Ilford Limited, assignee: *See*—
Collins, Ronald B., Smith, and Pratt.
Industrial Rayon Corporation, assignee: *See*—
Malm, L. L.
Industrial Research Institute, University of Chattanooga, assignee: *See*—
Thomas, Albert G.
Industrial Scientific Company, assignee: *See*—
Tandler, William S., de Weiss, Walker, and Frering.
Ingersoll-Rand Company, assignee: *See*—
Anderson, James H.
Ingle, Donald P., Defiance, and S. L. Reiches, Cleveland, assignors to All Star Products, Inc., Defiance, Ohio. Magnetic centering device for cathode ray tubes. 2,574,039, Nov. 6.
Interchemical Corporation, assignee: *See*—
Weiss, Adolph.
International Harvester Company, assignee: *See*—
Aasland, John L.
Hyman, Benjamin M.
McNamara, Gordon G., Jr.
Mitchell, Melville J.
Orelind, John R.
Radtke, Adelbert C.
Turnbull, Glen O.
Ziskal, Joseph F.
Ireland, Murray, assignee: *See*—
Hendrickson, Fritz E.
Ireland, Richard P., assignor, by mesne assignments, to Ampro Corporation, Chicago, Ill. Position and movement reproducing apparatus. 2,574,104, Nov. 6.
Isler, William, Cleveland Heights, assignor to S. K. Towson, Shaker Heights, Ohio. Apparatus for transferring loads from pallets to industrial trucks. 2,574,394, Nov. 6.
Jack, William R., Chagrin Falls, and E. M. Brinker, Lakewood, Ohio, said Brinker assignor to said Jack. Torsional balance device. 2,574,395, Nov. 6.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Sealing means for an end-loading transit mixer or agitator. 2,574,184, Nov. 6.
Jaeger Machine Company, The, assignee: *See*—
Jaeger, Gebhard.
Jakobsen, Svend O., Haugesund, Norway. Fuel injection pump. 2,573,792, Nov. 6.
Janczak, Lou S., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Locking closure for flexible tank outlets. 2,574,105, Nov. 6.
Janik, Anton J.: *See*—
Weibel, Herman, and Janik.
Jensen, Charles J., and M. E. Lawyer, Washington, N. J., and H. A. Simpson, Oviedo, Fla., assignors to Vikon Tile Corporation, Washington, N. J. Device for reforming metal tiles. 2,573,767, Nov. 6.

Jerner, Oscar E., Turlock, Calif. Machine for forming the upper segment of in-place concrete pipe. 2,574,213, Nov. 6.

Jet Electric Shaver Corporation, assignee: *See*— Berg, Emil G.

Johannesson, Charles L., Osoyoos, British Columbia, Canada. Demountable pipe coupling. 2,573,974, Nov. 6.

Johns-Manville Corporation, assignee: *See*— Modigliani, Piero.

Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Thiocyanated derivative of tetrachlorobutane. 2,573,973, Nov. 6.

Johnson, James L.: *See*— Fulkerson, Glenn C., and Johnson.

Johnson, William S., Madison, Wis., and R. P. Graber, Minneapolis, Minn. Intermediates and process useful in the production of bis-dehydrodolsynolic acid. 2,574,396, Nov. 6.

Johnston, Clark V. and I. M., Backus, Minn. Machine for measuring and dispensing granular material. 2,573,711, Nov. 6.

Johnston, Irene M.: *See*— Johnston, Clark V. and I. M.

Jones, Harry, Rochdale, and J. K. Aiken, Sale, assignors to The Geigy Company Limited, Manchester, England. Condensation products of ureides and formaldehyde. 2,574,040, Nov. 6.

Jones, James L., Jr., West Point, Miss., assignor to Hercules Powder Company, Wilmington, Del. Extractor with discharge mechanism. 2,574,106, Nov. 6.

Jordan, Sidney W., Sheffield Lake, Ohio. Straight beam adjustable jaw clamp and spreader. 2,574,214, Nov. 6.

Joy, Charles W., Hawthorn, Victoria, Australia. Rod clamp. 2,574,107, Nov. 6.

Joy, Fred L.: *See*— Ryberg, Milton E., Burney, and Joy.

Judd, Charles H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,574,330, Nov. 6.

Kading, Ludwig J.: *See*— Brodbeck, John E., and Kading.

Kahn, Benjamin, Gadsden, Ala. Machine for making looped or tufted fabrics. 2,574,108, Nov. 6.

Kahn, Leo M., New York, N. Y. Article carrier for washing machines and tray therefor. 2,574,149, Nov. 6.

Kaiser Metal Products, Inc., assignee: *See*— De Ganahl, Carl, Smith, and Romberger. Kueneman, Oswald D.

Kallam, Floyd L., Pasadena, Calif. Throttle valve. 2,573,712, Nov. 6.

Kamen, Martin D., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Manufacture of uranium tetrachloride. 2,574,268, Nov. 6.

Kane, Frank A., Jr., Stratford, Conn., and G. F. Oberrender, New York, N. Y. Device for adjustably interfitting two coactive members. 2,574,109, Nov. 6.

Kannenberg, Walter F., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave guide switch. 2,573,713, Nov. 6.

Karl, John W., administrator: *See*— Karl, William D.

Karl, Josef S., Athens, Ga. Yarn carrier for knitting machines. 2,574,041, Nov. 6.

Karl, William D., deceased, Easton, Mo.; J. W. Karl, administrator. Side dump for grain wagons. 2,573,714, Nov. 6.

Kearney, James R., Corporation, assignee: *See*— Holke, Eugene E.

Kecbring Company, assignee: *See*— Lichtenberg, Erich H.

Keiper, Phillip C.: *See*— Santini, Danilo, Keiper, and Eastman.

Keiser, Bernhard: *See*— De Groote, Melvin, and Keiser.

Keiser, Morris: *See*— Weinstein, David H., and Keiser.

Kellogg, M. W., Company, The, assignee: *See*— Rubin, Louis C.

Kelly, Victor L., Houston, Tex. Digit guard. 2,573,715, Nov. 6.

Kennison, Hugh F., Bloomfield, assignor to Lock Joint Pipe Company, East Orange, N. J. Wire-winding apparatus. 2,573,793, Nov. 6.

Kercher, Arthur J., Berkeley, assignor of one-half to W. W. Hicks, San Francisco, Calif. Electric load regulator. 2,573,846, Nov. 6.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Acenaphthenyl amino alcohols. 2,574,150, Nov. 6.

Kestell, David W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Dust collecting apparatus. 2,573,768, Nov. 6.

Kemper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Keyboard locking mechanism for laundry listing machines. 2,573,847, Nov. 6.

Khalil, Seyed, New York, N. Y. Flexible valve. 2,574,266, Nov. 6.

Khalil, Seyed, New York, N. Y. Differential tire. 2,574,267, Nov. 6.

King, Donald M., Hitchin, England. Device for controlling the operation of electric switches. 2,574,397, Nov. 6.

Kirchner, George J., Lorain, Ohio, assignor to National Tube Company. Pipe transfer apparatus. 2,573,848, Nov. 6.

Kirtley, Robert E., Chicago, Ill. Mixing valve. 2,573,716, Nov. 6.

Kissick, Russell P.: *See*— Gettys, Harold R., and Kissick.

Klasey, John H.: *See*— Wiegner, Joseph W., Glida, Klasey, and Barnes.

Klein, Norman E., Clemson, S. C., assignor to Deering Milliken Research Trust, New York, N. Y. Process and machine for converting textile filaments. 2,573,717, Nov. 6.

Kleinschmidt, Edward E., Highland Park, Ill. Telegraph system. 2,573,718, Nov. 6.

Knauth, Berthold A., Bolton, N. Y., and P. H. Chin, Cranford, N. J., assignors to The Motorspeed Corporation, New York, N. Y. Thyratron system of control. 2,573,849, Nov. 6.

Knox, William T., Jr., Cranford, N. J., assignor to Standard Oil Development Company. Hydrogenation of unstable petroleum wax. 2,574,331, Nov. 6.

Kopec, Stanley J., Detroit, Mich. Attachment for grinding machines. 2,574,110, Nov. 6.

Kopec, Stanley J., Royal Oak, Mich. Grinding machine attachment for grinding helical teeth. 2,574,111, Nov. 6.

Kopec, Stanley J., Royal Oak, Mich. Grinding machine attachment. 2,574,112, Nov. 6.

Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Neutralizing the gum accelerating effect of copper in hydrocarbon fuel. 2,573,850, Nov. 6.

Krebeck, Ernest, Washington, D. C. Chance game device. 2,574,398, Nov. 6.

Kreisinger, Henry, Piermont, N. Y., assignor to Combustion Engineering-Superheater, Inc. Burning pulverized coal. 2,573,910, Nov. 6.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing device. 2,573,911, Nov. 6.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing machine. 2,573,912, Nov. 6.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing device. 2,574,332, Nov. 6.

Kružík, Arnošt: *See*— Bánovský, Alois, and Kruzik.

Ku, Chain K., New York, N. Y. Paper clamp. 2,573,913, Nov. 6.

Kuczynski, Herbert J.: *See*— Kuczynski, Leonard P. and H. J.

Kuczynski, Leonard P. and H. J., Rockford, Ill. Fish pole light attachment. 2,574,333, Nov. 6.

Kuellmar, Adolph G.: *See*— Breen, Henry D., and Kuellmar.

Kueneman, Oswald D., Berkeley, assignor to Kaiser Metal Products, Inc., Oakland, Calif. Dishwashing machine. 2,573,794, Nov. 6.

Kunau, John F., Long Beach, Calif. Reinforcing insert for antidrip attachment for paint brushes. 2,574,042, Nov. 6.

Kunstädter, Vilmos, Budapest, Hungary. Automatic photoprinting and developing apparatus. 2,574,215, Nov. 6.

Kuss, Fred A.: *See*— Belford, Alexander, and Kuss.

Lacey, Harold T., Marietta, Ohio, and F. P. Dombroski, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. Light fast azoic pigments. 2,573,851, Nov. 6.

Laidley, Clarence D., Tulsa, Okla. Vapor control. 2,574,151, Nov. 6.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical relay of toggle type. 2,574,399, Nov. 6.

Lambrech, Joseph A., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Herbicide. 2,573,769, Nov. 6.

Landes, Chester G.: *See*— Daniel, John H., Jr., Landes, and Pollard.

Landis & Gyr, A. G., assignee: *See*— Widmer, Ernst.

Landon, Vernon D., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,573,914, Nov. 6.

Landry, Jacobus M., Summerland, British Columbia, Canada. Agricultural implement and support for the same. 2,574,113 Nov. 6.

Lange, Frank C., assignor to The Badger Shirt Company, Racine, Wis. Cutting machine. 2,574,269, Nov. 6.

Langer, Nicholas, assignee: *See*— Fener, Alfred and H.

Langer, Nicholas, New York, N. Y. Sealing device for heat-sealing machines of the thermal impulse type. 2,574,095, Nov. 6.

Langer, Rudolph M.: *See*— Hendrix, Don O., and Langer.

Lanning, William C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon synthesis process. 2,573,795, Nov. 6.

Lannou, Victor, Pelly, Tex. Insulated extension clip-on test prod. 2,574,043, Nov. 6.

Lapeyre, Fernand S., New Orleans, and J. M. Lapeyre, III, assignors to Peelers, Incorporated, Houma, La. Shrimp peeling machine. 2,574,044, Nov. 6.

Lapeyre, James M., III: *See*— Lapeyre, Fernand S. and J. M.

Lapham, Sidney D., Martinez, Calif. Fork lift truck. 2,574,045, Nov. 6.

Lappin, Robert L.: *See*— Zaiger, Louis, and Lappin.

Larson, Carl W., assignor to Patent Management, Incorporated, Minneapolis, Minn. Tone generator. 2,573,975, Nov. 6.

Latier, Harold E., Sinclair, Wyo., and F. M. Watkins, Flossmoor, Ill., assignors to Sinclair Refining Company, New York, N. Y. Production of calcium sulfonate solutions. 2,573,796, Nov. 6.

Latour, André, Grenoble, France. Switch having one or more tubular contacts. 2,573,797, Nov. 6.

Latour, André, assignor to Etablissements Merlin & Gerin, Grenoble, France. Air-blast circuit breaker. 2,574,334, Nov. 6.

Lawrence, Edward D., Oakland, Calif. Jogger attachment for printing presses. 2,573,852, Nov. 6.

Lawyer, Maurice E.: *See*— Jensen, Charles J., Lawyer, and Simpson.

Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Regulating valve for cooking utensil covers. 2,573,719, Nov. 6.

Leduc, René, Toulouse, France. Fluid-pressure motor device for control systems. 2,574,335, Nov. 6.

Lehmann, René L., Paris, and J. Lintner, La Garenne Colombes, assignors to Bozel-Maletra Societe Industrielle de Produits Chimiques, Paris, France. Amidoglyoxal-formaldehyde reaction product and shrinkproofing cellulose textile fibers therewith. 2,574,114, Nov. 6.

Leitz, Ernst, G. m. b. H., assignee: *See*— Leitz, Ludwig.

Leitz, Ludwig, assignor to E. Leitz, G. m. b. H., Wetzlar/Lahn, Germany. Magnetic lens, especially for electron optical systems. 2,574,115, Nov. 6.

Leonard, Christian J., New York, N. Y. Holder for waste disposal containers. 2,574,270, Nov. 6.

Lesher, William C., Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,574,400, Nov. 6.

Lesher, William C., Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,574,401, Nov. 6.

Lettes, Louis: *See*— Hutkin, David L., and Lettes.

Levy, René L., also known as R. Lucien, Paris, France, assignor to Societe D'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Aircraft retractable landing skid. 2,574,404, Nov. 6.

Lewis, Alfred, Chingford, England. Folding chair. 2,573,915, Nov. 6.

Lewis, Donald H., Houston, Tex., A. H. Hall, Cushing, Okla., and J. E. Green, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Settling tank for crude oil. 2,573,853, Nov. 6.

Lewis, Edwin W., Greenwich, Conn., and C. H. Watson, New York, N. Y. Adhesive tape package. 2,574,152, Nov. 6.

Lewis, Tom, Maryville, Tenn. Milk can dispenser closure. 2,574,338, Nov. 6.

Libbey-Owens-Ford Glass Company, assignee: *See*— Hatcher, David B.

Libman, Earl E., Brooklyn, and E. Lohse, Ridgewood, assignors to Control Instrument Company, Inc., New York, N. Y. Wind resolver. 2,574,336, Nov. 6.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Scraping, loading, and carry-off earth working machine. 2,573,720, Nov. 6.

Light, Cordell C., assignor of fifty per cent to T. P. Byrum, Amarillo, Tex. Garment hanger. 2,574,185, Nov. 6.

Limbach, Alex, Carmel, N. Y. Adjustable dispensing closure. 2,574,337, Nov. 6.

Lindeman, Philip F., Berkeley, and V. J. Simmen, assignors to Pacific Can Company, San Francisco, Calif. Can wiping and shielding mechanism. 2,573,721, Nov. 6.

Lindemann, A. J., & Hoverson Company, assignee: *See*— Meiners, Richard H.

Linders, Harry P., Pine Lawn, assignor to Wagner Electric Corporation, St. Louis, Mo. Stator winding machine. 2,573,976, Nov. 6.

Lindgren, Albin W., Goulds, Fla. Rock plow or scarifier. 2,573,977, Nov. 6.

Lindgren, Clarence G., Yakima, Wash. Fish reel. 2,574,216, Nov. 6.

Linn, Charles E., and P. H. Hummel, assignors to Automotive Service Tools, Inc., Lansing, Mich. Micrometer gauge. 2,574,402, Nov. 6.

Lintner, Josef: *See*— Lehmann, René L., and Lintner.

Lloyd, Randall E., Schenectady, N. Y., assignor to General Electric Company. Differential protective system. 2,574,403, Nov. 6.

Lockhart, Marshall L., Detroit, Mich. Hypodermic syringe. 2,574,339, Nov. 6.

Lock Joint Pipe Company, assignee: *See*— Kennison, Hugh F.

Logan, Roland F., Los Angeles, Calif. Portable dummy for athletic training. 2,574,046, Nov. 6.

Lohse, Edward: *See*— Libman, Earl E., and Lohse.

Lord, Ottomar, assignee: *See*— Erdelyi, Serge.

Lorne, Henry T., and F. W. B. Porter, Subury on Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of naphthenic petroleum hydrocarbons followed by catalytic cracking. 2,574,449, Nov. 6.

Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wave-signal communication system. 2,574,271, Nov. 6.

Lounlet et Lavigne, Jean, Itabo, Cuba. Series distillation process. 2,574,116, Nov. 6.

Loveday, Julius W., Detroit, Mich. Game top. 2,573,916, Nov. 6.

Lovejoy, Kenneth F., Pittsburgh, and D. B. Peat, Dravosburg, Pa. Airplane engine cooling arrangement. 2,573,854, Nov. 6.

Low, Frank D., Chicago, Ill., assignor to Hotpoint Inc. Interlocking door hinge. 2,573,798, Nov. 6.

Luce, Roy L., assignor to The Hydro-Blast Corporation, Chicago, Ill. Sand feeder. 2,573,917, Nov. 6.

Lucien, René: *See*— Levy, René L.

Ludwig, Frederic G., Woodbridge, Conn. Bubble-blowing device. 2,574,117, Nov. 6.

Lundgren, Stanley F., Minneapolis, and R. A. Olsen, Excelsior, Minn., said Olsen assignor to said Lundgren. Dentist's mirror. 2,574,217, Nov. 6.

Luse, Mary E., assignee: *See*— Ogden, Arnold B.

Lyle, Aaron K., West Hartford, Conn., assignor to Emhart Manufacturing Company. Process of and batch for making amber glass. 2,573,855, Nov. 6.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recorder with automatic time delay between reversals of record transport system. 2,574,218, Nov. 6.

Lynn, Anthony P., Elmhurst, Ill. Lipstick holder. 2,574,405, Nov. 6.

Macey, Byron K.: *See*— Brown, Guy E., and Macey.

Machamer, Frank E., Rome, N. Y. Automatic draft controlled brake. 2,574,406, Nov. 6.

Machine-Craft Mfg. Co., assignee: *See*— Schildknecht, Paul.

Mackenzie, Franklin H., Lansdowne, Pa. Phosphate glass. 2,574,047, Nov. 6.

MacLean, William R., Brooklyn, N. Y. Apparatus for magnetically measuring thickness of ferrous pipe. 2,573,799, Nov. 6.

Magee Carpet Company, The, assignee: *See*— Groat, Francis P.

Magnavox Company, The, assignee: *See*— Mills, Donald H., and Martin.

Magnetic Analysis Corporation, assignee: *See*— Zuschlag, Theodore.

Mahler, Joseph, Brookline, assignor to American Optical Company, Southbridge, Mass. Apparatus for viewing stereoscopic pictures. 2,574,186, Nov. 6.

Makin, Harry A., Sr., assignee: *See*— Mills, George C.

Malkemus, John D., Allendale, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. High molecular derivatives of piperazine. 2,574,407, Nov. 6.

Mallinckrodt, George E., St. Louis, Mo. Machine tool. 2,573,800, Nov. 6.

Malm, L. Louis, Rocky River, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Dissolving cellulose xanthate. 2,573,978, Nov. 6.

Malone, James C., Sr., Tuscaloosa, Ala. Turkey caller. 2,573,856, Nov. 6.

Mammen, Howard E.: *See*— Bloch, Herman S., and Mammen.

Marine Products Company, assignee: *See*— Weyer, Ferdinand M.

Marmor, Herman, New York, N. Y. Animated timepiece. 2,574,048, Nov. 6.

Marsden, Lawrence A. High Point, N. C. Tack strip. 2,574,219, Nov. 6.

Martin, Charles A., Tupelo, Miss. Pen holder. 2,574,340, Nov. 6.

Martin, Norman F.: *See*— Mills, Donald H., and Martin.

Marvin, John T., Dayton, and G. H. McFadden, Columbus, Ohio, assignors to General Motors Corporation, Detroit, Mich. Apparatus for frothing rubberlike material. 2,574,220, Nov. 6.

Mastrillo, Joseph, Trenton, N. J. Shaper for trousers. 2,573,979, Nov. 6.

Mathieson Chemical Corporation, assignee: *See*— Woodward, Eric R.

Maurer, Frank W., Newton Highlands, and J. B. Hirschmann, Fairhaven, Mass., assignors, by mesne assignments, to said J. B. Hirschmann. Filter for goggles and the like. 2,573,722, Nov. 6.

Maxim, Oren B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Closed type burr. 2,574,436, Nov. 6.

Maxim, Oren B., and R. M. Peabody, assignors to Scovill Manufacturing Company, Waterbury, Conn. Burr. 2,574,435, Nov. 6.

Mayhew, John T., Toronto, Ohio, assignor to National Steel Corporation. Pickling. 2,574,049, Nov. 6.
Maytag Company, The, assignee: *See*—
Smith, Thomas R.
McAllister, Alexander J.: *See*—
Blair, Mark L., and McAllister.
McBride, Delroy, Twin Falls, Idaho. Boiler feed trap. 2,574,341, Nov. 6.
McCain, Sam J., Fairmont, W. Va. Metal casting apparatus. 2,573,857, Nov. 6.
McCart, Samuel W., Washington, D. C. Phonograph record envelope. 2,574,050, Nov. 6.
McClain, Edward F., Jr., Washington, D. C. Phonograph stylus of small effective tip radius. 2,573,723, Nov. 6.
McConnell, Drusilla B.: *See*—
McConnell, Robert F., and D. B.
McConnell, Robert F. and D. B., Reedley, Calif. Plow wheel and mounting. 2,574,051, Nov. 6.
McCuiston, Robert E., Greensboro, N. C., assignor to Vick Chemical Company. Device for dispensing medicaments. 2,573,918, Nov. 6.
McCullough, Russell H., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Projection room wall. 2,573,858, Nov. 6.
McCully, Harry, Chicago, Ill. Hook for measuring tape. 2,574,272, Nov. 6.
McDavitt, Thomas V., assignee: *See*—
Bian, John T.
McDermott, J. T., assignee: *See*—
Fox, Lorenzo L.
McFadden, George H.: *See*—
Marvin, John T., and McFadden.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,573,919, Nov. 6.
McGowan, Frank K., Elizabeth, N. J. Gas filtering device. 2,574,053, Nov. 6.
McKinney, Ida, administratrix: *See*—
Ruden, Arthur C.
McLeod, Stewart B., Dearborn, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Hydraulic cylinder assembly and manufacturing. 2,574,273, Nov. 6.
McLeod, William, Chicago, Ill. Coupling actuated magnetic switch. 2,573,920, Nov. 6.
McMullan, William, assignor to Farrans Limited, Belfast, Northern Ireland. Shuttering for the construction of walls. 2,574,274, Nov. 6.
McMullen, Edward J., assignee: *See*—
Murphy, John H.
McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Scraper blade. 2,573,921, Nov. 6.
McWilliams, James B., assignor to Railway Maintenance Corporation, Pittsburgh, Pa. Railroad track crib cleaning apparatus. 2,574,118, Nov. 6.
Meadow, Leon E., New York, N. Y. Handbag. 2,573,770, Nov. 6.
Medco Silver Co. Inc., assignee: *See*—
Gesaler, Harry C.
Meeker, David A., Troy, and E. A. Reussenzehn, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Slicing machine. 2,573,859, Nov. 6.
Meeker, David A., Troy, and E. A. Reussenzehn, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Knife guard for slicing machines. 2,573,860, Nov. 6.
Meeker, David A., Troy, and E. A. Reussenzehn, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,573,861, Nov. 6.
Meiners, Richard H., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Combination baking and broiling gas burner. 2,574,153, Nov. 6.
Mellor, John: *See*—
Wolfskill, Roy F., and Mellor.
Mel-Ton Bags, Inc., assignee: *See*—
Gottesman, Melvin.
Mennesson, Marcel L., assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, (Seine), France. Pneumatic bore gauge. 2,574,342, Nov. 6.
Mercer, William R.: *See*—
Sanders, Royden C., Jr., and Mercer.
Merck & Co., Inc., assignee: *See*—
Folkers, Karl, and Shavel.
Mergenthaler Linotype Company, assignee: *See*—
Albin, Archer O.
Meservey, Edwin S., Kingsport, Tenn. Loom check strap. 2,574,275, Nov. 6.
Metcalf, David D., Beckville, Tex. Electric fence. 2,574,052, Nov. 6.
Meyer, August M., Camas, Wash. Automatic gripping spatula. 2,573,922, Nov. 6.
Meyer, Friedrich, assignor to Felsa A.-G., Grenchen, Switzerland. Watch movement center second hand drive. 2,574,343, Nov. 6.
Mezz, David, New York, N. Y. Ear protector. 2,573,923, Nov. 6.
Mid-West Forge Company, The, assignee: *See*—
Ruden, Arthur C.
Milik Conveyors Limited, assignee: *See*—
Milik, Rudolf.
Milik, Rudolf, assignor to Milik Conveyors Limited, London, England. Loading appliance. 2,574,187, Nov. 6.
Miller, Arthur E., Kenmore, assignor to Scott Aviation Corporation, Lancaster, N. Y. Fluid valve. 2,574,054, Nov. 6.
Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Audible electric signaling apparatus. 2,573,924, Nov. 6.
Miller, Fred F., Jr.: *See*—
Verville, Lloyd J., and Miller.
Miller, Glenn H.: *See*—
Rossi, Bruno, Sack, Beyer, and Miller.
Miller, Lee, Gardena, Calif. Jalousie. 2,574,344, Nov. 6.
Mills, Donald H., and N. F. Martin, assignors to The Magnavox Company, Fort Wayne, Ind. Tuning control. 2,573,801, Nov. 6.
Mills, George C., Youngstown, Ohio, assignor of 50 percent to H. A. Makin, Sr., Johnstown, Pa. Trailer hitch. 2,574,276, Nov. 6.
Minich, Arthur, Westfield, and M. Nowak, Union, assignors to Nuodex Products Co., Inc., Elizabeth, N. J. Pesticidal composition comprising a zinc salt of petroleum sulphonic acids. 2,573,862, Nov. 6.
Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Green, Henry L., Thomas, and Harris.
Hinckley, Garfield L., and Simmons.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Christensen, Carlo M.
Gaddis, Gene T.
Wills, Walter P.
Mitchell, Alva E., Philadelphia, Pa. Compressor. 2,573,863, Nov. 6.
Mitchell, Melville J., Highland Park, Ill., assignor to International Harvester Company. Corn picker and husker with grain recovery device. 2,573,925, Nov. 6.
Mitchell, Wilbert J., Moline, Ill. Safety razor. 2,573,980, Nov. 6.
Mitchell, Wiley D., Highgrove, Calif. Poultry water fountain. 2,573,802, Nov. 6.
Modigliani, Piero, Manhasset, assignor to Johns-Manville Corporation, New York, N. Y. Forming a multilayered mat of intercrossed filaments. 2,574,221, Nov. 6.
Moe, Andrew S., San Francisco, Calif. Automatic ball pitching machine. 2,574,408, Nov. 6.
Monroe, Thomas D., assignor to Redmond Company, Inc., Owosso, Mich. Electrical connection. 2,574,277, Nov. 6.
Monsanto Chemical Company, assignee: *See*—
Anderson, Robert J.
Ellenburg, Arthur M.
Seymour, Raymond B.
Trail, Henry S.
Montgomery, Gertrude S., Scarsdale, N. Y. Jacketing, particularly for packets of disposable tissues. 2,574,345, Nov. 6.
Moore, George N., assignee: *See*—
Ravoire, René.
Moran, Theron W., Encino, asignor to A. M. Conley, doing business as The Conley Company, Los Angeles, Calif. Starter means for hydraulic devices. 2,573,864, Nov. 6.
Morgan, Lew: *See*—
Wheeler, Phillip R., Morgan, and Schoening.
Morgan, Walter F., Santaquin, Utah. Automatic circuit closer for electrical wiring systems. 2,574,278, Nov. 6.
Moritz, Jean, Chatou, France. Torsion-rod means for holding grinding rollers in adjustable cooperation with opposing grinding elements. 2,574,346, Nov. 6.
Motorola, Inc., assignee: *See*—
Schlesinger, Kurt.
Motor Products Corporation, assignee: *See*—
Schweitzer, Louis.
Motorspeed Corporation, The, assignee: *See*—
Knauth, Berthold A., and Chin.
Mottu, André, Genthod-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Optical controlling or inspecting arrangement for verifying the cross sections of pieces with complex profiles. 2,574,119, Nov. 6.
Moyer, Samuel P., Butte, Mont., assignor to American Cyanamid Company, New York, N. Y. Flotation of cobaltite. 2,573,865, Nov. 6.
Mueller, Albert, Kiester, Minn. Face guard restraining device. 2,574,222, Nov. 6.
Muri, Parke D.: *See*—
Cardwell, Paul H., and Muir.
Murphy, John H., assignor of 30/100 to M. W. Nusbaum, Canton, Ohio, and 30/100 to E. J. McMullen, Memphis, Tenn. Leg brace. 2,573,866, Nov. 6.
Murray, Joseph J., Jr., assignor to Varo Mfg. Co., Inc., Garland, Tex. Tuning fork structure. 2,574,188, Nov. 6.
Murray, Malcolm G., Ellwood City, and R. W. Porter, Zelienople, Pa. Grappling device. 2,573,867, Nov. 6.
Musser, David M., Fair Lawn, N. J., assignor to Pacific Mills, Boston, Mass. Ethers of polychloro diphenyl methane. 2,574,189, Nov. 6.
NEA Service, Inc., assignee: *See*—
Thompson, Louis A.
Naidus, Harold: *See*—
Dolnick, Arthur A., and Naidus.
Napier, D., & Son Limited, assignee: *See*—
Sammons, Herbert, and Hall.

Nash, Albert T., Salt Lake City, Utah. Instrument for computing arcuate lengths and lengths having arcuate components. 2,573,803, Nov. 6.
National Cylinder Gas Company, assignee: *See*—
Girard, Dean C., and Roach.
National Marking Machine Company, The, assignee: *See*—
Keuper, William J.
National Steel Corporation, assignee: *See*—
Mayhew, John T.
Vogel, Charles J.
National Tube Company, assignee: *See*—
Kirchner, George J.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Boykin, Robert O., Jr.
Clapp, Roger E.
Grass, Albert M.
Hendrix, Don O., and Langer.
New, Winston R.
Pfund, August H.
Reed, Harry J., Jr.
Rossi, Bruno, Sack, Beyer, and Miller.
Navy, United States Government, as represented by the Secretary of the, assignee: *See*—
Barghausen, John W. B., and van Allen.
Neal, Robert A., Media, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine fuel control with throttle controlled manually and by fluid pressure from an isochronous governor. 2,573,724, Nov. 6.
Nelson, Francis W., Bronx, N. Y. Fishing line trip sinker. 2,573,981, Nov. 6.
Nelson, John, Rockford, Ill. Drilling unit. 2,574,347, Nov. 6.
Neustadter, Irving, Brooklyn, N. Y. Prefabricated artificial tooth retaining member. 2,573,804, Nov. 6.
Neustadter, Irving, Brooklyn, N. Y. Machine for making dentures. 2,573,805, Nov. 6.
New, Winston R., Springfield, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of Navy. Turbine apparatus. 2,574,190, Nov. 6.
Newell, Daniel, Kenmore, N. Y. Hose reel. 2,573,868, Nov. 6.
Newman, Richard J.: *See*—
Childs, Wayne R., Schnell, and Newman.
New Products Corporation, assignee: *See*—
Banker, Oscar H.
Nicholl, Leonard: *See*—
Flisik, Alvin C., and Nicholl.
Nichols, Charles A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Mold assembly. 2,574,223, Nov. 6.
Niles-Bement-Pond Company, assignee: *See*—
Soule, Harold B., and Smithson.
Noe, Harold C., Upper Montclair, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Machine for winding a sheath around a core. 2,574,154, Nov. 6.
Nordmark, Walter E.: *See*—
Hoven, Alfred C., and Nordmark.
North, Thomas C., assignor to Universal Manufacturing Corp., Zelienople, Pa. Tie section for connecting adjacent ladder scaffolds. 2,574,409, Nov. 6.
Northcott, Roy P.: *See*—
Porter, Frederick W. B., and Northcott.
Novak, Frank, Hartford, Wis. Automatic release hitch assembly. 2,573,771, Nov. 6.
Nowak, Milton: *See*—
Minich, Arthur, and Nowak.
Nuodex Products Co., Inc., assignee: *See*—
Minich, Arthur, and Nowak.
Nusbaum, Myron W., assignee: *See*—
Murphy, John H.
Nysten, Paul, Flushing, N. Y. Smoke box for smoking meat, fish, or poultry. 2,573,772, Nov. 6.
Oberle, Laura A., Pasadena, Calif. Sanitary garment. 2,574,279, Nov. 6.
Oberman, Roelof M. M., The Hague, Netherlands. Circuit for marking a line as busy. 2,574,224, Nov. 6.
Oberrender, Girard F.: *See*—
Kane, Frank A., Jr., and Oberrender.
Obert, John, Omaha, Nebr. Vehicle brake diving control. 2,574,280, Nov. 6.
O'Boyle, Charles M., assignee: *See*—
Thress, James D.
O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Floor rack. 2,574,410, Nov. 6.
Ofeldt, Frank W., Carnot, assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Nozzle. 2,573,982, Nov. 6.
Ofeldt, Frank W., Carnot, assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Temperature fusible plug for spraying apparatus. 2,573,983, Nov. 6.
Offutt, John W., Ellwood City, Pa. Float rod assembly. 2,573,869, Nov. 6.
Ogden, Arnold B., assignor of one-third to M. E. Luse, and one-third to B. L. Ogden, Jefferson City, Mo. Direction indicating light. 2,573,926, Nov. 6.
Ogden, Bessie L., assignee: *See*—
Ogden, Arnold B.
Oilgear Company, The, assignee: *See*—
Tyler, Ransom, and Parduhn.
Olin Industries, Inc., assignee: *See*—
Stutzman, Milo J.
Olsen, Robert A.: *See*—
Lundgren, Stanley F., and Olsen.
Olson, John, Detroit, Mich. Push or pull toggle clamp. 2,574,281, Nov. 6.
Olson, Roy N.: *See*—
Potts, Ralph H., and Olson.
O'Malley, Robert P.: *See*—
Hammell, Kemper M., and O'Malley.
Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Portable milking machine. 2,573,927, Nov. 6.
Orr, Claude L., and J. C. Settles, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Damping means for railway trucks. 2,574,348, Nov. 6.
Ortusi, Antoine J., and P. Fechner, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Transmitter receiver duplexing circuit for radar apparatus. 2,574,055, Nov. 6.
Ostrčil, Vilém: *See*—
Zaoral, Josef, and Ostrčil.
Otten, Henry, Port Washington, N. Y. Machine for grinding and smoothing rollers. 2,574,349, Nov. 6.
Pacific Can Company, assignee: *See*—
Lindeman, Philip F., and Simmen.
Pacific Mills, assignee: *See*—
Musser, David M.
Packard Motor Car Company, assignee: *See*—
McFarland, Forest R.
Parduhn, Ewald H.: *See*—
Tyler, Ransom, and Parduhn.
Parker Appliance Company, The, assignee: *See*—
Dahl, Carl P.
Parker, Leo, San Diego, Calif., and C. R. Hopper, El Paso, Tex. Cover and lock for toilet flush tanks. 2,573,984, Nov. 6.
Parker, Robert P., Somerville, and J. S. Webb, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Substituted amino-nitroheterocycles and preparing the same. 2,574,155, Nov. 6.
Pashby, Robert W., Park Ridge, assignor to Club Aluminum Products Co., Chicago, Ill. Detachable handle for steak platters and the like. 2,574,411, Nov. 6.
Patent Management, Incorporated, assignee: *See*—
Larson, Carl W.
Paterson, Adeline E. E., Chicago, Ill. Unidirectional restraining device for a fastening cord. 2,573,806, Nov. 6.
Patriacco, Alfred: *See*—
Hickman, Augustus A., Henderson, and Patriacco.
Paules, Lemon B.: *See*—
Young, William M., and Paules.
Peabody, Roger M.: *See*—
Maxim, Oren B., and Peabody.
Peat, David B.: *See*—
Lovejoy, Kenneth F., and Peat.
Pechacek, Charles A., Tucumcari, N. Mex. Dual wheel lug wrench. 2,574,156, Nov. 6.
Pechiney Compagnie de Produits Chimiques et Electrometallurgiques, assignee: *See*—
Beja, Maurice.
Peelers, Incorporated, assignee: *See*—
Lapeyre, Fernand S., and J. M.
Peelle, James F., Richmond, Ind. Universal formed metal door frame. 2,574,350, Nov. 6.
Pelant, Vilibald, Liberec, Czechoslovakia. Test insertion for the checking of the correct shape of the inner and outer treading area of footwear. 2,574,056, Nov. 6.
People of the United States of America, dedicated to the, assignee: *See*—
Stodola, Frank H., Wachtel, and Coghill.
Peter, Oskar E., Oberkochen, Germany. Clamping system. 2,573,928, Nov. 6.
Peterson, Clarence F., Filer, Idaho. Resilient seat mount. 2,574,057, Nov. 6.
Petrocarbon Limited, assignee: *See*—
Charlton, Henry E.
Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.
Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature-compensated phase-corrected thermal instrument. 2,573,929, Nov. 6.
Pfund, August H., Baltimore, Md., assignor to United States of America as represented by the Secretary of the Navy. Manometric gas detector. 2,573,870, Nov. 6.
Philco Corporation, assignee: *See*—
Free, Albert L., and Hoffman.
Phillips, George W. M.: *See*—
Eskew, Roderick K., Homiller, and Phillips.
Phillips, John D., St. Petersburg, Fla. Cranium suspender. 2,574,282, Nov. 6.
Phillips Manufacturing Co., assignee: *See*—
Bash, John M.
Phillips Petroleum Company, assignee: *See*—
Allen, John G.
Crouch, Willie W.
Lanning, William C.
Weber, Louis J.
Pillsbury Mills, Inc., assignee: *See*—
Harrel, Chastain G., and Brown.

Piros, John J., Gary, and J. A. Glover, Munster, Ind., assignors, by mesne assignments, to Sinclair Research Laboratories, Inc., Harvey, Ill. Still. 2,573,807, Nov. 6.

Pitt, Harold M.: *See*—
Bender, Harry, and Pitt.

Pittsburgh Plate Glass Company, assignee: *See*—
Christenson, Roger M.
Christenson, Roger M., and Harpt.
Freeman, Stephen E.
Freeman, Stephen E., and Gloyer.
Gloyer, Stewart W.

Platzer, George E., Springfield, Mass., assignor of one-half to B. C. Daying, Detroit, Mich. Coupling device. 2,574,191, Nov. 6.

Pleet, Emanuel J., Baltimore, Md. Wearing apparel and construction. 2,573,871, Nov. 6.

Poitz, Herbert A.: *See*—
Schlermeier, Knapel F., and Poitz.

Polk, Isaac H., San Jose, Calif. Tunnel freezing apparatus and method. 2,573,725, Nov. 6.

Pollard, John D.: *See*—
Daniel, John H., Jr., Landes, and Pollard.

Porter, Frederick W. B.: *See*—
Docksey, Patrick, and Porter.
Lorne, Henry T., and Porter.

Porter, Frederick W. B., and F. R. G. Green, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulphurisation of naphthas. 2,573,726, Nov. 6.

Porter, Frederick W. B., and F. R. G. Green, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of kerosene and white spirits. 2,574,445, Nov. 6.

Porter, Frederick W. B., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of petroleum hydrocarbons. 2,574,447, Nov. 6.

Porter, Frederick W. B., and R. P. Northcott, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Desulfurization of hydrocarbon extracts. 2,574,450, Nov. 6.

Porter, Frederick W. B., and R. P. Northcott, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of petroleum hydrocarbons. 2,574,451, Nov. 6.

Porter, George G., Miami, Fla. Shower bath curtain support. 2,573,985, Nov. 6.

Porter, George R., West Hartford, Conn., assignor to Colt's Manufacturing Company. Dishwashing machine. 2,574,058, Nov. 6.

Porter, Rodney W.: *See*—
Murray, Malcolm G., and Porter.

Potter, John T., Great Neck, N. Y. Predetermined electronic counter. 2,574,283, Nov. 6.

Potts, Ralph H., La Grange, and R. N. Olson, assignors to Armour and Company, Chicago, Ill. Apparatus for distillation of fatty acids, tall oil, and the like. 2,573,727, Nov. 6.

Power Jets (Research and Development) Limited, assignee: *See*—
Davidson, Ivor M.

Prache, Jacques E., Fontenay-sous-Bois, assignor to Schneider & Cie., Paris, France. Hydropneumatic recuperator for guns. 2,574,059, Nov. 6.

Prache, Jacques E., Fontenay-sous-Bois, assignor to Societe des Forges et Ateliers du Creusot, Paris, France. Hydropneumatic recuperator with adjustable power. 2,574,060, Nov. 6.

Pratt, Oliver E.: *See*—
Collins, Ronald B., Smith, and Pratt.

Price Brothers & Company, Limited, assignee: *See*—
Hill, Harold S., and Coghill.

Pringle, Ray A., Walla Walla, Wash. Dust collector. 2,574,412, Nov. 6.

Prochazka, Rudolf, Murzzuschlag, Austria. Production of high electrostatic charges by self-excitation. 2,574,284, Nov. 6.

Proell, Wayne A.: *See*—
Adams, Chester E., and Proell.

Publicker Industries, Inc., assignee: *See*—
Dolnick, Arthur A., and Naidus.

Pugh, William A., Sr., Chicago, Ill. Emergency vehicle wheel truck. 2,573,728, Nov. 6.

Pugh, William J., Piedmont, Calif. Collapsible core. 2,574,413, Nov. 6.

Pye Limited, assignee: *See*—
Court, Patrick R. J.

Radio Corporation of America, assignee: *See*—
Freas, Robert R., Jr.
Goldstine, Hallan E.
Landon, Vernon D.
Shumard, Charles C.
Sziklai, George C.
Thomsen, Soren M.

Radtke, Adelbert C., Oak Park, Ill., assignor to International Harvester Company. Farm silo personnel elevator. 2,573,930, Nov. 6.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Relief valve. 2,574,414, Nov. 6.

Railway Maintenance Corporation, assignee: *See*—
McWilliams, James B.

Rath, Karl, New York, N. Y. System of photoelectric exposure control. 2,573,729, Nov. 6.

Ravoire, René, Isere, France, assignor of fifty one-hundredths to G. N. Moore, South Natick, Mass. Apparatus for teaching and practicing skiing. 2,573,808, Nov. 6.

Raymond Concrete Pile Company, assignee: *See*—
Boschen, Henry C.

Raytheon Manufacturing Company, assignee: *See*—
Sanders, Royden C., Jr., and Mercer.

Rea, Thomas K., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Yarn package support. 2,574,285, Nov. 6.

Redd, Thomas J., Tulsa, Okla. Back pressure safety valve. 2,574,061, Nov. 6.

Redmond Company, Inc., assignee: *See*—
Monroe, Thomas D.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,573,931, Nov. 6.

Reed, Harry J., Jr., West Lafayette, Ind., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Linear delay circuit. 2,574,437, Nov. 6.

Reed, William A., Larchmont, N. Y. Packaging foodstuffs. 2,573,872, Nov. 6.

Reichert, August, Englewood, N. J. Self-centering holder for container filling machines. 2,574,157, Nov. 6.

Reiches, Sol L.: *See*—
Ingle, Donald P., and Reiches.

Rein, Edmund C., New Baltimore, Mich. Ladder brace. 2,574,286, Nov. 6.

Reiter, Daniel L., New York, N. Y. Pronged wire pin. 2,573,809, Nov. 6.

Remington Rand Inc., assignee: *See*—
Savell, Walter L.
Seymour, Arthur C.

Reussenzehn, Ernest A.: *See*—
Meeker, David A., and Reussenzehn.

Reynolds, Noel S., St. Louis, Mo. Seal construction. 2,574,062, Nov. 6.

Rhoades, Don W., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr. Hog oiler. 2,573,873, Nov. 6.

Rich, George R., assignor to Rich Manufacturing Corporation, Battle Creek, Mich. Poppet valve assembly. 2,574,120, Nov. 6.

Rich Manufacturing Corporation, assignee: *See*—
Rich, George R.

Richards, Victor L., assignor to Canadian Hanson and Van Winkle Company Limited, Toronto, Ontario, Canada. Ventilated buffing wheel. 2,573,874, Nov. 6.

Richterkessing, Frank H., Louisville, Ky. Finishing furs. 2,574,452, Nov. 6.

Richwine, Francis E., Indianapolis, Ind. Teat cup liner for milking machines. 2,574,063, Nov. 6.

Riddiford, Richard G., assignor to The Airscrew Company Limited, Weybridge, England. Rotary fan. 2,573,875, Nov. 6.

Ridge Tool Company, The, assignee: *See*—
Weibel, Herman, and Janik.

Ringk, William F., Newark, N. J., and S. K. Freeman, Brooklyn, N. Y., assignors to Benzol Products Company, Newark, N. J. Rendering metal surfaces antiseptic and products therefrom. 2,574,225, Nov. 6.

Roach, Frank T.: *See*—
Girard, Dean C., and Roach.

Roberts, James A.: *See*—
Fischer, Howard R., and Roberts.

Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Door lock. 2,574,415, Nov. 6.

Rodrigues, Manuel J., New York, N. Y. Fastener for buttons. 2,573,876, Nov. 6.

Roehr, Zbislaw M.: *See*—
Fields, Mack R., and Roehr.

Rohrlick, Joan E.: *See*—
Rohrlick, Michael K. and J. E.

Rohrlick, Michael K. and J. E., Montreal, Quebec, Canada. Feeding and stitching slide fastener stringers to garment fly pieces. 2,574,351, Nov. 6.

Romberger, Ira P., Jr.: *See*—
De Ganahl, Carl, Smith, and Romberger.

Rome, Joseph, Barre, Vt. Sand distributor. 2,574,287, Nov. 6.

Roper, Edwin A., Washington, D. C. Ventilator for water craft. 2,573,986, Nov. 6.

Rose, Howard E., Normandy, Mo., assignor to Curtiss-Wright Corporation. Vulnerability valve. 2,574,416, Nov. 6.

Rosen, Harry A., New York, N. Y. Educational appliance. 2,574,064, Nov. 6.

Rosenblatt, Maurice C., New York, N. Y. Ear protector. 2,574,288, Nov. 6.

Ross, John: *See*—
Malkemus, John D., and Ross.

Rossi, Bruno, Winchester, Mass., H. S. Sack, Ithaca, N. Y., R. T. Beyer, Providence, R. I., and G. H. Miller, Rochester, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Computer using magnetic amplifier. 2,574,438, Nov. 6.

Rossi, Tony P., Albuquerque, N. Mex. High chair. 2,574,289, Nov. 6.

Rowe, Raymond N., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Multiple unit switch with single actuator. 2,574,290, Nov. 6.

Rowe, Robert F., Fort Wayne, Ind., assignor to General Electric Company. Clamp improvement. 2,574,417, Nov. 6.

Rowe, William W., assignor to Cincinnati Industries, Inc., Cincinnati, Ohio. Expansible cloth and making it. 2,573,773, Nov. 6.

Royal Swan, Inc., assignee: *See*—
Goldsmith, Bertram J., and Hindle.

Rubano, Carmell A., Hamden, Conn., assignor to General Electric Company. Hydraulic motor actuated mechanism for spinner type washing machines and the like. 2,574,418, Nov. 6.

Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Sulfating olefins. 2,573,730, Nov. 6.

Ruden, Arthur C., deceased, Euclid; by I. McKinney, administratrix, Cleveland Heights, assignor to The Mid-West Forge Company, Cleveland, Ohio. Apparatus for die rolling. 2,574,121, Nov. 6.

Rueg, Georges L., assignor to Société Futs Metalliques Gallay, Paris, France. Telescopic valve device. 2,574,291, Nov. 6.

Ruffle, William H., Brighton, assignor to Speed Development Company Limited, Sussex, England. Temperature change responsive means for controlling electric circuits. 2,574,419, Nov. 6.

Rule, John R., assignee: *See*—
Enslow, John P., and Wagner.

Rundblad, George J., Elmwood Park, assignor to Ditto, Incorporated, Chicago, Ill. Liquid process duplicating machine. 2,573,810, Nov. 6.

Rush, Kim E., Beaverton, Oreg. Compact providing facial illumination. 2,574,292, Nov. 6.

Rust, Frederick F.: *See*—
Bell, Edward R., Rust, and Vaughan.

Ryberg, Milton E., and H. W. Burney, Gainesville, Fla., and F. L. Joy, Ripley, Miss., assignors to the United States of America as represented by the Secretary of Agriculture. Acid metering and atomizing nozzle. 2,573,731, Nov. 6.

Ryder, James W., Watchung, N. J., assignor to Standard Oil Development Company. Sweetening process. 2,574,122, Nov. 6.

S & S Corrugated Paper Machinery Co., Inc., assignee: *See*—
Hess, Charles.

Sabin, James O., and G. E. Ericson, Dalbo, Minn. Fishing spinner. 2,574,293, Nov. 6.

Sack, Henri S.: *See*—
Rossi, Bruno, Sack, Beyer, and Miller.

Saegert, Marie S., assignee: *See*—
Scavullo, Angelo C.

Sage, Henry E., West Hartford, Conn. Building construction. 2,573,987, Nov. 6.

St. John, Roscoe N., assignor to The Coleman Company, Inc., Wichita, Kans. Vaporizing pot type burner and pilot burner therefor. 2,574,358, Nov. 6.

Saltzberg, Jack, Los Angeles, Calif. Rotary fire-bowl barbecue stove. 2,573,988, Nov. 6.

Salvin, Victor S., Irvington, and J. R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. 1-amino-2,3-dicyano-4-oxyalkylamino anthraquinones and preparing the same. 2,573,732, Nov. 6.

Salvin, Victor S., Irvington, and J. R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Production of anthraquinone dyestuffs. 2,573,733, Nov. 6.

Salvin, Victor S., Irvington, and J. R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Producing 1-amino-2,3-dicyano-4-oxyalkylamino anthraquinones. 2,573,811, Nov. 6.

Sammons, Herbert, Gerrards Cross, and L. F. Hall, assignors to D. Napier & Son Limited, London, England. Internal-combustion engine operated on the two-stroke cycle. 2,573,989, Nov. 6.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Constant velocity universal joint. 2,574,226, Nov. 6.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper. 2,574,294, Nov. 6.

Samuel, Leo, Somerville, N. J. Safety switch for liquid cooled engines. 2,574,192, Nov. 6.

Sandberg, Robert N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Ammunition container. 2,573,774, Nov. 6.

Sandborn, Lloyd T., Crossett, Ark., assignor to Crossett Lumber Company. Recovery of medicinal creosote. 2,573,990, Nov. 6.

Sanders, Royden C., Jr., Chestnut Hill, Newton, and W. R. Mercer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Calibrator. 2,573,734, Nov. 6.

Sanford, Hugh W., and J. F. Baker, Knoxville, Tenn., assignors to The Sanford Investment Company, Wilmington, Del. Wheel and axle seal. 2,573,735, Nov. 6.

Sanford Investment Company, The, assignee: *See*—
Sanford, Hugh W., and Baker.

Santini, Danilo, Tenafly, P. C. Keiper, Shrewsbury, and W. H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic bank of elevator cars. 2,573,932, Nov. 6.

Santoni, Ermenegildo, Florence, Italy. Projection photogrammetric plotting apparatus. 2,574,213, Nov. 6.

Sarvie, Walter, Alexandria, Minn. Shank grip slidable jaw wrench. 2,574,227, Nov. 6.

Saunders, Robert H., Oxford, Pa., assignor to Hercules Powder Company, Wilmington, Del. Preparation and pyrolysis of saturated acetals of crotonaldehyde. 2,573,678, Nov. 6.

Savell, Walter L., Westport, Conn., assignor to Remington Rand Inc., New York, N. Y. Chemical recovery and control in the kraft pulp process. 2,574,193, Nov. 6.

Sawyer, Eugene, Benld, Ill. Grinder support attachment for main journals and the like without removal of the shaft. 2,574,228, Nov. 6.

Scavullo, Angelo C., assignor to V. K., F. and C. Scavullo, and M. S. Saegert, and M. S. Scott, Forest Hills, N. Y. Making hollow articles. 2,573,736, Nov. 6.

Scavullo, Angelo C., assignor to V. K., F. and C. Scavullo, and M. S. Saegert, and M. S. Scott, Forest Hills, N. Y. Making sheet metal hollow ware. 2,573,737, Nov. 6.

Scavullo, Charles, assignee: *See*—
Scavullo, Angelo C.

Scavullo, Frank, assignee: *See*—
Scavullo, Angelo C.

Scavullo, Victor K., assignee: *See*—
Scavullo, Angelo C.

Schlermeier, Knapel F., and H. A. Poitz, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Corrosion preventive compositions. 2,573,878, Nov. 6.

Schildknecht, Paul, assignor to Machine-Craft Mfg. Co., Los Angeles, Calif. Work holding portable circular saw. 2,573,991, Nov. 6.

Schlags, Selig A., Brooklyn, N. Y. Ironing board stand attachment. 2,574,194, Nov. 6.

Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Weather strip. 2,574,124, Nov. 6.

Schlegel Manufacturing Company, The, assignee: *See*—
Schlegel, Charles P.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Flywheel synchronization system. 2,574,229, Nov. 6.

Schmerling, Louis, Riverside, and J. A. Chenicek, Bensenville, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of motor fuels. 2,573,933, Nov. 6.

Schneider & Cie, assignee: *See*—
Prache, Jacques E.

Schnell, Frank A.: *See*—
Childs, Wayne R., Schnell, and Newman.

Schoening, Frederick C.: *See*—
Wheeler, Phillip R., Morgan, and Schoening.

Schoeninger, Adolf O., Irvington, N. J., assignor to Forstner Chain Corporation. Basket weave bracelet chain. 2,574,125, Nov. 6.

Schonitzer, Rudolph I., assignee: *See*—
Allen, Edwin L.

Schoon, Harley J., Canton, Ill. Sacking device with pivotally mounted sack support. 2,574,295, Nov. 6.

Schroeder, John H., Melrose Park, Ill. Rear-vision means for auto vehicles. 2,573,812, Nov. 6.

Schroeder, Orval W.: *See*—
Brill, Edward F., and Schroeder.

Schulein, Joseph, Corvallis, Oreg. Production of chromic oxide. 2,574,065, Nov. 6.

Schultz, Alfred, and C., Upham, N. Dak. Wheeled rotary straw mulcher. 2,573,992, Nov. 6.

Schultz, Carl: *See*—
Schultz, Alfred, and C.

Schwartz, Sol: *See*—
Ferguson, Harold W., and Schwartz.

Schweitzer, Louis, Royal Oak, assignor to Motor Products Corporation, Detroit, Mich. Lifting jack construction. 2,573,877, Nov. 6.

Schwenger, Charles E., assignor to Toronto Electric Commissioners, Toronto, Ontario, Canada. Incandescent lamp for asymmetrical light distribution. 2,573,775, Nov. 6.

Scott Aviation Corporation, assignee: *See*—
Miller, Arthur E.

Scott, Margaret S., assignee: *See*—
Scavullo, Angelo C.

Scott & Williams, Incorporated, assignee: *See*—
Belford, Alexander, and Kuss.

Scovill Manufacturing Company, assignee: *See*—
Maxim, Oren B.
Maxim, Oren B., and Peabody.

Seddon, Robert M., Walmley, Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London County, England. Shock absorber. 2,574,420, Nov. 6.

Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Hydraulic pneumatic system for actuating pressure. 2,573,993, Nov. 6.

See, Francis W., Bronx, assignor to S. Briskman, New York, N. Y. Shears for producing zig-zag cuts. 2,574,066, Nov. 6.

Seibel, William E., Brecksville, Ohio. Delivery box signal. 2,573,879, Nov. 6.

Selden, Hyman: *See*—
Wolfson, David, and Selden.

Seidman, Richard L., South Norwalk, Conn. Flexible track element and structure. 2,574,067, Nov. 6.

Senter, Roy W., Topeka, Kans. Nut placing slotted-socket wrench. 2,574,352, Nov. 6.

Service Wood Heel Co., The, assignee: *See*—
Constantine, George R., and Ball.

Settles, James C.: *See*—
Orr, Claude L., and Settles.

Seymour, Arthur C., Frankfort, assignor to Remington Rand Inc., Buffalo, N. Y. Totalizer selector means for computing and recording machines. 2,573,934, Nov. 6.

Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polystyrene composition. 2,574,439, Nov. 6.

Sforzini, Robert A.: *See*—
De Zubay, Egon A., and Sforzini.

Shavel, John, Jr.: *See*—
Folkers, Karl, and Shavel.

Shell Development Company, assignee: *See*—
Bell, Edward R., Rust, and Vaughan.
Lewis, Donald H., Hall, and Green.
Schiermeier, Knapel F., and Poltz.
Von Fuchs, George H.
Walters, Ernest L.
Waters, George W.
Whetstone, Richard R.

Shepard, Emerson P., Chillicothe, Ohio. Film position indicator for motion-picture cameras. 2,573,994, Nov. 6.

Sherrick, Robert L., Akron, Ohio. Apparatus to expand and mount solid resilient tires on channelled wheels or rims. 2,574,195, Nov. 6.

Shockey, John D., San Antonio, Tex. Cigarette ash stand. 2,573,776, Nov. 6.

Shumard, Charles C., Moorestown, N. J., assignor to Radio Corporation of America. Sequential pulse generator. 2,573,813, Nov. 6.

Shumard, Charles C., Moorestown, N. J., assignor to Radio Corporation of America. Multiple tube gas triode inverter. 2,574,068, Nov. 6.

Sidwell, James Q.: *See*—
Smith, James B., and Sidwell.

Silby, Martin V., New York, N. Y. Attachment for box-covering machines. 2,574,126, Nov. 6.

Silby, Martin V., New York, N. Y. Attachment for box-covering machines. 2,574,127, Nov. 6.

Simmen, Vernon J.: *See*—
Lindeman, Philip F., and Simmen.

Simmons, John H. W., assignee: *See*—
Hinckley, Garfield L.

Simpson, Henry A.: *See*—
Jensen, Charles J., Lawyer, and Simpson.

Sinclair Refining Company, assignee: *See*—
Latier, Harold E., and Watkins.

Sinclair Research Laboratories, Inc., assignee: *See*—
Piros, John J., and Glover.

Sinden, Alfred D., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Apparatus having rotatable means for feeding aeratable powdered material from storage and dispensing such material. 2,574,231, Nov. 6.

Singer Manufacturing Company, The, assignee: *See*—
Turner, Edgar P.

Singer, Robert H., Pittsburgh, Pa. Screw propelled plow 2,574,353, Nov. 6.

Singleton, Clifford L., assignor to General Developers Company, Atlanta, Ga. Cataloguing machine. 2,573,814, Nov. 6.

Sinos, John E.: *See*—
Springborn, Fritz, and Sinos.

Skidmore, Frank O., Cuyahoga Falls, Ohio. Brush and beater roll for vacuum cleaners. 2,574,128, Nov. 6.

Smidth, F. L., & Co., assignee: *See*—
Andersen, Joakim U. F.

Smiley, John B., assignee: *See*—
Foster, Robert B.

Smith, Alonzo L., Houston, Tex. Coating press and holiday detector. 2,573,815, Nov. 6.

Smith, Carleton N., Snyder, F. R. Whaley, Kenmore, and R. H. Wellman, Yonkers, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Fungicidal compositions. 2,573,738, Nov. 6.

Smith, Charles C.: *See*—
De Ganahl, Carl, Smith, and Romberger.

Smith, Clarence E.: *See*—
Wilson, John D., and Smith.

Smith, Elwood E., Chicago, Ill. Parachute canopy release. 2,574,296, Nov. 6.

Smith, James B., and J. Q. Sidwell, Murfreesboro, Tenn. Heated knife. 2,574,440, Nov. 6.

Smith, Justin L., assignor to Seymour Smith & Son, Inc., Watertown, Conn. Snap cut pruner. 2,574,354, Nov. 6.

Smith, Kline & French Laboratories, assignee: *See*—
Kerwin, James F., and Ullyot.

Smith, Robert C. M.: *See*—
Collins, Ronald B., Smith, and Pratt.

Smith, Seymour, & Son, Inc., assignee: *See*—
Smith, Justin L.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Diaphragm seal for high pressures. 2,574,297, Nov. 6.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Heat exchanger clothes drier. 2,574,298, Nov. 6.

Smith, Warren M., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrogenation process. 2,574,355, Nov. 6.

Smithson, Gordon W.: *See*—
Soule, Harold B., and Smithson.

Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), assignee: *See*—
Mennesson, Marcel L.

Societe de Construction d'Outillage Mecanique, SCOM, Dutelle, Gervaise and Co., assignee: *See*—
Dutelle, André.

Societe des Forges et Ateliers du Creusot, assignee: *See*—
Prache, Jacques E.

Societe D'Inventions Aeronautiques et Mecaniques S. I. A. M., assignee: *See*—
Levy, René L.

Société Futs Metalliques Gallay, assignee: *See*—
Rueg, Georges L.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Mottu, André.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Crowley, John A., Jr.
Greentree, Alexander, and Hermanson.

Solo Products Corporation, assignee: *See*—
Solomon, Nathan L., Anderson, and Feyrer.

Solomon, Nathan L., Englewood, A. E. Anderson, Oradell, and W. F. Feyrer, Englewood, N. J., assignors to Solo Products Corporation. Machine for automatically packaging conveyer supported products. 2,574,196, Nov. 6.

Sommer, Alfred, Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Making photoelectric cathodes. 2,574,356, Nov. 6.

Soule, Harold B., Barrington, and G. W. Smithson, Pawtucket, R. I., assignors to Niles-Bement-Pond Company, West Hartford, Conn. Automatic speed and feed change mechanism for machine tools. 2,574,301, Nov. 6.

Souza, Manuel O., Merced, Calif. Safety device. 2,573,997, Nov. 6.

Spaleny, George R., Osborn, assignor to R. B. Haynes, Toledo, Ohio. Rotary fluid coupling. 2,574,129, Nov. 6.

Spangberg, Mills E.: *See*—
Young, Le Roy R., and Spangberg.

Sparling, Joseph T., Los Angeles, Calif. Storage tank construction. 2,573,995, Nov. 6.

Speed Development Company Limited, assignee: *See*—
Ruffle, William H.

Spellman, William J., assignee: *See*—
Blan, John T.

Spencer, William G., Burbank, Calif. Side wall for bicycle wheels and tires. 2,573,996, Nov. 6.

Sperry, John R.: *See*—
Walker, James D., and Sperry.

Spikings, George W., Jr., River Grove, Ill. Carpenter's horse or trestle. 2,573,740, Nov. 6.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens mounting including frame elements. 2,574,197, Nov. 6.

Springborn, Fritz, and J. E. Sinos, Astoria, N. Y. Antiseptic animal appliance. 2,574,130, Nov. 6.

Stacey Brothers Gas Construction Company, assignee: *See*—
Gettys, Harold R., and Klssick.

Staffer Chemical Company, assignee: *See*—
Campbell, Ramsey G.

Stammer, William C., Glenview, and C. R. Breden, La Grange, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Method of and apparatus for forming solder pellets. 2,574,357, Nov. 6.

Standard Oil Company, assignee: *See*—
Adams, Chester E., and Proell.

Standard Oil Development Company, assignee: *See*—
Bailey, Bradford E.
Crookston, Robert R.
Duncan, Gordon W.
Knox, William T., Jr.
Ragland, Douglas.
Ryder, James W.
Smith, Warren M.

Stanley, Evelyn M., executrix: *See*—
Stanley, Gerald A.

Stanley, Gerald A., deceased, Oakleigh, Victoria, Australia; E. M. Stanley, executrix. Apparatus for cleansing drinking vessels and the like. 2,574,069, Nov. 6.

Stanley Works, The, assignee: *See*—
Robinson, David M.

Stauffer Chemical Company, assignee: *See*—
Bender, Harry, and Pitt.

Steinberg, Heinrich, Los Angeles, Calif. Paper tacking machine. 2,574,421, Nov. 6.

Steinbrecher, Howard P., Cincinnati, Ohio. Block material handling machine. 2,574,131, Nov. 6.

Stephens-Adamson Mfg. Co., assignee: *See*—
Sinden, Alfred D.

Sterrett, Vance C., Logansport, Ind. Piston construction. 2,574,299, Nov. 6.

Stevenson, Wilbur W., Pittsburgh, Pa. Fluid meter. 2,574,198, Nov. 6.

Stewart, Aline, administratrix: *See*—
Stewart, Kenneth D.

Stewart, Floyd D.: *See*—
Ardis, Alan E., and Stewart.

Stewart, Kenneth D., deceased, Carleton, Mich.; A. Stewart, administratrix. Hose clamp. 2,574,441, Nov. 6.

Stodola, Frank H., Peoria, Ill., J. L. Wachtel, Lawrenceburg, Ind., and R. D. Coghill, Lake Bluff, Ill., dedicated to the people of the United States of America. Derivatives of parahydroxypenicillin G. 2,573,741, Nov. 6.

Stone, Cecil J., Sr., Bristol, Tenn. Veneer gauge. 2,574,300, Nov. 6.

Stone, George: *See*—
Dolson, Leo R., and Stone.

Stoos, Norman T., Jr., Trooper, and J. Bondi, Norristown, Pa. Swivel cap. 2,574,422, Nov. 6.

Strawinski, Raymond J., Long Beach, Calif., assignor to Texaco Development Corporation, New York, N. Y. Purification of substances by microbial action. 2,574,070, Nov. 6.

Streitz, George A., assignee: *See*—
Brown, Earl E.

Strohacker, Russell C.: *See*—
Fox, Earl C., and Strohacker.

Stuart, Archibald P.: *See*—
Johnson, Herbert L., and Stuart.

Stutzman, Milo J., Kansas City, Mo., assignor to Olin Industries, Inc., East Alton, Ill. Making shot. 2,573,935, Nov. 6.

Sullivan, John W., Lake Charles, La. Puzzle game. 2,574,158, Nov. 6.

Sun Oil Company, assignee: *See*—
Barton, Paul D.
Johnson, Herbert L., and Stuart.

Sutter, Edward R., Chicago, Ill., assignor to Beau-T-Form Foundations, Inc. Shield panty. 2,574,132, Nov. 6.

Sutter, Edward R., Chicago, Ill., assignor to Beau-T-Form Foundations, Inc. Sanitary pad support. 2,574,133, Nov. 6.

Sweeney, Leo M., Brentwood, Pittsburgh, Pa. Awning construction. 2,574,423, Nov. 6.

Szetela, Casimere A., Adams, Mass., assignor to General Electric Company. Ratchet spanner wrench. 2,574,424, Nov. 6.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television system. 2,573,777, Nov. 6.

Talladega Foundry and Machine Company, assignee: *See*—
Buckner, William H.

Tandler, William S., F. A. de Weiss, D. S. Walker, and J. L. Frering, assignors to Industrial Scientific Company, New York, N. Y. Three-wheel automotive vehicle. 2,574,199, Nov. 6.

Tarrant, Fred K., Saratoga Springs, N. Y. Spreading device. 2,574,159, Nov. 6.

Teague, Merwyn C., Sparta, N. J., assignor to United States Rubber Company, New York, N. Y. Making stretchable woven fabrics. 2,574,200, Nov. 6.

Teletype Corporation, assignee: *See*—
Gubisch, Erwin A.
Zenner, Walter J.

Teller, Myron S., Kingston, N. Y. Match book. 2,574,201, Nov. 6.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated anchor for mine roof bolts. 2,573,880, Nov. 6.

Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.

Tennessee Copper Company, assignee: *See*—
Booton, Leon W.
Hardin, William A.

Tennessee Valley Authority, assignee: *See*—
Gilbert, Nathan, and Hobbs.

Texaco Development Corporation, assignee: *See*—
Strawinski, Raymond J.

Thede, Harold, Sheboygan, Wis., assignor to Armour and Company, Chicago, Ill. Leather sanding machine. 2,573,936, Nov. 6.

Thévenaz, Louis, Les Basses, near Sainte Croix, assignor to Hermann Thorens Société Anonyme, Sainte Croix, Switzerland. Record-changing device for talking machines. 2,574,071, Nov. 6.

Thomas, Albert G., Alexandria, Va., assignor to Industrial Research Institute, University of Chattanooga, Hamilton County, Tenn. Viscosity tester. 2,574,359, Nov. 6.

Thomas, Daniel J.: *See*—
Green, Henry L., Thomas, and Harris.

Thompson, Donald C., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Rayon cake package. 2,573,816, Nov. 6.

Thompson, Dorothy E., Dayton, Ohio. Combination magazine rack, table, and leg rest. 2,574,425, Nov. 6.

Thompson, Louis A., Rocky River, assignor to N.E.A. Service, Inc., Cleveland, Ohio. Oscillograph-galvanometer. 2,573,998, Nov. 6.

Thomsen, Soren M., Pennington, N. J., assignor to Radio Corporation of America. Luminescent zinc oxide containing a small amount of zinc sulfide. 2,573,817, Nov. 6.

Thress, James D., Roanoke, Va., assignor to C. M. O'Boyle, Wilmington, Del. Mobile jack. 2,574,230, Nov. 6.

Timber Engineering Company, assignee: *See*—
Farber, Eduard.

Timber Structures, Inc., assignee: *See*—
Whelan, John J.

Tinnerman Products, Inc., assignee: *See*—
Judd, Charles H.

Toledo Scale Company, assignee: *See*—
Anstice, Mortimer R., Sr.

Toronto Electric Commissioners, assignee. *See*—
Schwenger, Charles E.

Toth, Emerick, Cheverly, Md. Oscillator frequency control. 2,573,742, Nov. 6.

Touchman, William S.: *See*—
Bean, Morris, Touchman, and Bruckman.

Towson, Sheldon K., assignee: *See*—
Isler, William.

Trail, Henry S., Quincy, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacturing colloidal inorganic oxide aquasols. 2,573,743, Nov. 6.

Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London County, England. Braking system for aircraft. 2,574,426, Nov. 6.

Trott, Timothy, assignor to Control Instrument Company, Inc., New York, N. Y. Commutator. 2,574,360, Nov. 6.

Trucksess, David E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated current supply apparatus. 2,573,744, Nov. 6.

Tubbs, Eugene W., assignee: *See*—
Dalton, Herman L.

Tully, Charles F., San Diego, Calif. Condyle position indicating apparatus. 2,574,427, Nov. 6.

Turnbull, Glen O., Rock Island, Ill., assignor to International Harvester Company. Variable-speed pulley and V-belt transmission. 2,573,937, Nov. 6.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Glider for hand vacuum cleaners. 2,574,442, Nov. 6.

Turner, Julius E., assignor of one-half to R. S. Turner, Oklahoma City, Okla. Folding wall seat. 2,574,302, Nov. 6.

Turner, Robert S., assignee: *See*—
Turner, Julius E.

Tyler, Ransom, Greenfield, and E. H. Parduhn, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic drive for winding machines. 2,573,938, Nov. 6.

Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.

Union Asbestos & Rubber Company, assignee: *See*—
Breen, Henry D., and Kuellmar.
O'Connor, Arthur F.

Union Carbide and Carbon Corporation, assignee: *See*—
Lambrech, Joseph A.
Smith, Carleton N., Whaley, and Wellman.
Whaley, Fred R.

Union Oil Company of California, assignee: *See*—
Buckmann, John P.
Fischer, Paul W.

United Aircraft Corporation, assignee: *See*—
Anderson, John E., and Allen.

United Shoe Machinery Corporation, assignee: *See*—
Bertrand, Frederic E.
Kestell, David W.
Sandberg, Robert N.

United Specialties Company, assignee: *See*—
Blair, Mark L., and McAllister.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Kamen, Martin D.

United States Hoffman Machinery Corporation, assignee: *See*—
Hamlin, Henry F.

United States Plywood Corporation, assignee: *See*—
Hemming, Charles B.

United States Rubber Company, assignee: *See*—
Foster, Boutwell H.
Herrly, Raymond A.
Janczak, Lou S.
Teague, Merwyn C.

Universal Manufacturing Corp., assignee: *See*—
North, Thomas C.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S., and Mammen.
Huff, Lyman C.
Schmerling, Louis, and Chenicek.

Unterberg, Gustav, Edmonton, Alberta, Canada. Grain or seed cleaner. 2,573,778, Nov. 6.

Updegraff, Mervin J., Dayton, Ohio. Camera-projector lens supporting attachment. 2,574,072, Nov. 6.

Valet, André M.: *See*—
Gislon, André, and Valet.

Van Allen, James A.: *See*—
Barghausen, John W. B., and Van Allen.

Van Cappellen, Marius, Voorburg, Netherlands. Foldable case, box, or container. 2,574,303, Nov. 6.

Vanderbilt, R. T., Company, Inc., assignee: *See*—
Craig, William L.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Bracket rod mounting. 2,574,073, Nov. 6.

Varo Mfg. Co., Inc., assignee: *See*—
Murray, Joseph J., Jr.

Vaughan, William E.: *See*—
Bell, Edward R., Rust, and Vaughan.

Vereinigte Deutsche Metallwerke Aktiengesellschaft, assignee: *See*—
Burkhardt, Hans.

Verville, Lloyd J., Detroit, and F. F. Miller, Jr., Berkley, assignors to The Gear Grinding Machine Company, Detroit, Mich. Automatic locking means for rotary driven members. 2,573,939, Nov. 6.

Vick Chemical Company, assignee: *See*—
McCulston, Robert E.

Victoreen Instrument Company, assignee: *See*—
Victoreen, John A.

Victoreen, John A., assignor to Victoreen Instrument Company, Cleveland, Ohio. Ionization chamber. 2,573,999, Nov. 6.

Victoreen, John A., assignor to Victoreen Instrument Company, Cleveland, Ohio. Ionization and vacuum tube chamber. 2,574,000, Nov. 6.

Vigil, Bonancio, Capulin, Colo. Nail holding attachment for hammers. 2,574,304, Nov. 6.

Vigren, Sten D., and N. E. F. Holmqvist, Stockholm, Sweden. Contact spring assembly or the like and producing the same. 2,574,134, Nov. 6.

Vikon Tile Corporation, assignee: *See*—
Jensen, Charles J., Lawyer, and Simpson.

Vincent, Le Roy J., St. Louis, Mo., assignor to American Steel Foundries, Chicago, Ill. Electrical accelerometer circuit. 2,574,361, Nov. 6.

Vogel, Charles J., Detroit, Mich., assignor to National Steel Corporation. Building construction. 2,574,074, Nov. 6.

Von Fuchs, George H., Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif. Metal coating and oil finishing composition therefor. 2,573,940, Nov. 6.

Votruba, Karel, assignor of one-half to Czechoslovak Metal and Engineering Works, national corporation, Prague, Czechoslovakia. Alternating current magnetic amplifier. 2,573,818, Nov. 6.

Voyvas, James S., Newton, Mass. Variable-speed torque converter. 2,574,443, Nov. 6.

Wachtel, Jacques L.: *See*—
Stodola, Frank H., Wachtel, and Coghill.

Wagner Electric Corporation, assignee: *See*—
Linders, Harry P.

Wagner, Paul L.: *See*—
Enslow, John P., and Wagner.

Wagner, Robert M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Activating process for plating. 2,574,305, Nov. 6.

Waldes Koh-I-Noor, Inc., assignee: *See*—
Heimann, Heinrich.

Walker, David S.: *See*—
Tandler, William S., de Weiss, Walker, and Frering.

Walker, James Donald, and J. R. Sperry, assignors to Walker Process Equipment, Inc., Aurora, Ill. Water treating apparatus and method. 2,573,941, Nov. 6.

Walker, Nelson: *See*—
Eshbaugh, Jesse E., and Walker.

Walker Process Equipment, Inc., assignee: *See*—
Walker, James D., and Sperry.

Walker, Vernon L., assignor to General Motors Corporation, Detroit, Mich. Clamping fixture. 2,574,306, Nov. 6.

Walkup, Lewis E., and D. L. Fauser, assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Method and apparatus for developing electrostatic images with electroscopic powder. 2,573,881, Nov. 6.

Wallenberg, Victor H., Stockholm, Sweden. Model yacht. 2,573,745, Nov. 6.

Walsh, Joseph M.: *See*—
Grady, George A., and Walsh.

Walters, Ernest L., assignor to Shell Development Company, San Francisco, Calif. Color stabilizers. 2,573,779, Nov. 6.

War, United States of America as represented by the Secretary of, assignee: *See*—
Weinstein, David H., and Kelser.

Warburton, Fred, assignor to Cable and Wireless Limited, London, England. Telegraph transmitter with message numbering. 2,574,362, Nov. 6.

Ward, Abraham W., San Francisco, Calif. Saliva ejector. 2,574,135, Nov. 6.

Warren, Henry E., Ashland, Mass. Vibratory frequency standard apparatus. 2,574,136, Nov. 6.

Warren, S. D., Company, assignee: *See*—
Frost, Frederick H., and Brinnick.

Waters, George W., Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif. Metal coating process and oil finishing composition therefor. 2,573,882, Nov. 6.

Waters, George W., Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif. Metal coating process and oil finishing composition therefor. 2,573,883, Nov. 6.

Watkins, Franklin M.: *See*—
Latier, Harold E., and Watkins.

Watson, Burr, & Associates, Inc., assignee: *See*—
Anderson, Joseph F.

Watson, Clement H.: *See*—
Lewis, Edwin W., and Watson.

Watson, William H., Saskatoon, Saskatchewan, E. W. Guptill, Montreal, Quebec, Canada, assignors to Honorary Advisory Council for Scientific and Industrial Research of Canada. Directive antenna for microwaves. 2,573,746, Nov. 6.

Webb, John S.: *See*—
Parker, Robert P., and Webb.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus. 2,573,747, Nov. 6.

Weibel, Herman, Lakewood, and A. J. Janik, assignors to The Ridge Tool Company, Elyria, Ohio. Pipe nipple chuck. 2,574,001, Nov. 6.

Weinrich, William W.: *See*—
Whitaker, Arthur C., and Weinrich.

Weinstein, David H., Pasadena, Calif., and M. Kelser, Long Branch, N. J., assignors to United States of America as represented by the Secretary of War. Acoustic ranging system, including magnetic recording. 2,573,748, Nov. 6.

Weisler, Allan B., New Orleans, La. Baseboard for electrical outlets. 2,574,075, Nov. 6.

Weiss, Adolph, Brooklyn, assignor to Interchemical Corporation, New York, N. Y. Web handling mechanism for multicolor printing presses. 2,574,002, Nov. 6.

Wellman, Richard H.: *See*—
Smith, Craleton N., Whaley, and Wellman.

Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Removable shot magazine for pneumatic guns. 2,573,884, Nov. 6.

Welsh, Lowell A., Milford, Nebr. Collapsible golf bag carrier. 2,574,232, Nov. 6.

West Coast Fittings Co., assignee: *See*—
Blumenthal, Francis H.

Western Electric Company, Incorporated, assignee: *See*—
Gray, Alvin N.

Westinghouse Air Brake Company, assignee: *See*—
Breisch, Edgar W.

Westinghouse Electric Corporation, assignee: *See*—
De Zubay, Egon A., and Sforzini.
Neal, Robert A.
Petzinger, Ambrose J.
Santini, Danilo, Kelper, and Esselman.

Weston Electrical Instrument Corporation, assignee: *See*—
Lamb, Anthony H.

Westphal, William W., Port Jefferson, N. Y. Insulated roof and wall covering. 2,574,076, Nov. 6.

Weyer, Ferdinand M., assignor to Marine Products Company, Detroit, Mich. Rotary pump or motor. 2,573,819, Nov. 6.

Whaley, Fred R.: *See*—
Smith, Carleton N., Whaley, and Wellman.

Whaley, Fred R., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fungicidal basic berthollide and using same. 2,573,739, Nov. 6.

Wheatley, Thomas, Houston, Tex. Valve assembly. 2,574,428, Nov. 6.

Wheeler, Phillip R., Alexandria, Va., L. Morgan, U. S. Navy, and F. C. Schoening, Alexandria, Va. Machine gun ammunition feed. 2,573,749, Nov. 6.

Whelan, John J., Portland, Oreg., assignor, by mesne assignments, to Timber Structures, Inc. Building structure. 2,574,307, Nov. 6.

Whetstone, Richard R., Albany, assignor to Shell Development Company, San Francisco Calif. Substituted aryl 6-tetrahydropyranyl ethers. 2,574,444, Nov. 6.

Whitaker, Arthur C., Oakmont, and W. W. Weinrich, Wallingford, assignors to Gulf Research & Development Company, Pittsburgh, Pa. 4,6-ditertiary-butyl-2-methylcyclohexanol. 2,574,077, Nov. 6.

Whitaker, Arthur C., Oakmont, and W. W. Weinrich, Wallingford, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydrogenated polyalkylated phenols. 2,574,078, Nov. 6.

Whitaker, Marvin A., Bellflower, Calif. Lawn edger. 2,574,453, Nov. 6.

White, Jonathan W., Jr., Willow Grove, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Crystallized fruit spread and making same. 2,573,750, Nov. 6.

White, Norman W., Lynnfield Center, Mass. Play pen. 2,574,079, Nov. 6.

Whitman, Dudley A., Miami Beach, and W. F. Whitman, Dada, Fla. Underwater camera and casing including control means. 2,573,885, Nov. 6.

Whitman, William F.: *See*—
Whitman, Dudley A. and W. F.

Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,574,454, Nov. 6.

Wickwire Brothers, Inc., assignee: *See*—
Wickwire, Chester F.

Wickwire, Chester F., assignor to Wickwire Brothers, Inc., Cortland, N. Y. Shuttle for wire-weaving looms. 2,573,820, Nov. 6.

Wickwire, Chester F., Homer, assignor to Wickwire Brothers, Inc., Cortland, N. Y. Shuttle for wire-weaving looms. 2,573,821, Nov. 6.

Widmer, Ernst, Oberwil-Zug, assignor to Landis & Gyr, A. G., Zug, Switzerland. Multiple pole switch for tariff clocks. 2,574,308, Nov. 6.

Wiegner, Joseph W., E. T. Gilda, J. H. Klasey, St. Louis, and B. E. Barnes, Jennings, assignors to Carter Carburetor Corporation, St. Louis, Mo. Stapling apparatus. 2,574,202, Nov. 6.

Wilhem, Pierre F., Pittsburgh, Pa. Coin-controlled ball release mechanism for pool tables. 2,574,363, Nov. 6.

Williams, Burton H., assignee: *See*—
Blan, John T.

Wills, Walter P., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Instrument casing for measuring and controlling apparatus. 2,574,203, Nov. 6.

Wilson, John D., New York, and C. E. Smith, assignors to Graflex Inc., Rochester, N. Y. Film magazine. 2,573,780, Nov. 6.

Wilson, Wylie G., Elizabeth, assignor to Everlasting Valve Company, Jersey City, N. J. Valve. 2,574,080, Nov. 6.

Wishart, Donald W., Toronto, Ontario, Canada. Key selector aid. 2,573,781, Nov. 6.

Wolf, Ralph F., Akron, Ohio. White sidewall tire. 2,574,233, Nov. 6.

Wolfskill, Roy F., Richland, and J. Mellor, Palmyra, Pa. Manufacturing welted shoes. 2,573,752, Nov. 6.

Wolfson, David, and H. Seiden, Far Rockaway, N. Y. Flexible antipicking blinder for poultry. 2,573,942, Nov. 6.

Wood, Charles W., Nutley, N. J., assignor to General Electric Company. Snap action switch. 2,574,429, Nov. 6.

Wood, Joseph K., assignor to General Spring Corporation, New York, N. Y. Sway brace. 2,574,309, Nov. 6.

Woodmanse Mfg. Co., assignee: *See*—
Young, Le Roy R., and Spangberg.

Woodward, Eric R., New York, N. Y., assignor to Mathieson Chemical Corporation. Oxidation of petroleum hydrocarbons. 2,573,751, Nov. 6.

Woody, Wayland B., and S. E. Corry, assignors to Franks Manufacturing Corporation, Tulsa, Okla. Cam operated clutch. 2,574,204, Nov. 6.

Worsham, Roy H., Augusta, Ga. Machine for winding strand and ribbon-like materials such as sutures and bandages. 2,574,364, Nov. 6.

Wurdack, Walter, assignee: *See*—
Brick, Bayard R.

Wymer, Robert L., Jr., Poland, Ohio. Spray nozzle. 2,574,003, Nov. 6.

Wynn, Arthur H. A., London, England, assignor to A. C. Cossor Limited. Time base circuits. 2,574,365, Nov. 6.

Young, Le Roy R., and M. E. Spangberg, assignors to Woodmanse Mfg. Co., Freeport, Ill. Deep-well working head. 2,573,753, Nov. 6.

Young, William M., and L. B. Paules, Harrisburg, Pa. Pretzel dough extruding and rolling machine. 2,573,754, Nov. 6.

Zacharis, Matheos P., New Orleans, La. Window shade control. 2,574,366, Nov. 6.

Zalger, Louis, Swampscott, and R. I. Lappin, Marblehead, Mass. Fender flap support. 2,574,310, Nov. 6.

Zaoral, Josef, Zlin-Dily, and V. Ostrčil, Horni Mostenice, assignors to Bata, národní podnik, Zlin, Czechoslovakia. Lasting machine. 2,573,886, Nov. 6.

Zeisel, Eva S., New York, N. Y. Seating furniture. 2,574,367, Nov. 6.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Stop for reciprocating member. 2,574,137, Nov. 6.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Selector mechanism. 2,574,138, Nov. 6.

Zeruneith, Rudolph E., Philadelphia, Pa. Needle actuating mechanism for circular knitting machines. 2,573,782, Nov. 6.

Zimmerman, Chester E., Baltimore, Md. Plug. 2,574,160, Nov. 6.

Zingsheim, Edward W., assignor to Dana Corporation, Toledo, Ohio. Balking ring clutch. 2,574,004, Nov. 6.

Ziskal, Joseph F., Cicero, Ill., assignor to International Harvester Company. Telemeter type hydraulic power transmitting system. 2,573,943, Nov. 6.

Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic testing of elongated material. 2,574,311, Nov. 6.

Zwissig, Anthony, assignee: *See*—
Blan, John T.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Truck, Railroad car. K. F. Nystrom and V. L. Green. Re. 23,428, Nov. 6.

LIST OF DESIGN INVENTIONS

Accelerometer and gradometer or the like, Combination. R. P. Buschmann and V. Jensen. 165,050, Nov. 6.
Accounting machine. L. V. A. Guild. 165,068, Nov. 6.
Airplane. D. W. Main. 165,084, Nov. 6.
Armchair. R. A. Cramer. 165,052, Nov. 6.
Ash tray. H. G. Arnold. 165,044, Nov. 6.
Attachment for handbags or the like, Glove holding. P. Weinberg. 165,123, Nov. 6.
Awning or similar article. N. L. Etten. 165,064, Nov. 6.
Bed. E. Herrmann. 165,074, Nov. 6.
Belt, purse, and pen, Combined. A. Rothchild and H. B. Orloff. 165,112, Nov. 6.
Bench, Piano. B. A. Kandarian. 165,077, Nov. 6.
Blouse. J. Orloff. 165,099–107, Nov. 6.
Bottle. A. Perlman. 165,108, Nov. 6.
Bottle. E. Rachins. 165,110, Nov. 6.
Bottle. F. A. Vuillemenot and F. R. High. 165,122, Nov. 6.
Brush for bottles, Dispensing. S. Petrosky. 165,109, Nov. 6.
Building. T. M. Doram. 165,060, Nov. 6.
Cabin cruiser. W. Wiggins, Jr. 165,126, Nov. 6.
Cabinet, Radio. R. D. Budlong. 165,049, Nov. 6.
Cape and scarf, Combined. T. Leser. 165,081, Nov. 6.
Case, Piano. W. Millington and W. M. Day. 165,090–4, Nov. 6.
Chair, Adjustable metal couch. S. Deutsch. 165,058, Nov. 6.
Chair, Rocking. H. A. and M. Gelman. 165,066, Nov. 6.
Circulating unit, Air. J. W. McElgin. 165,089, Nov. 6.
Circulator and furniture unit, Air. J. W. McElgin. 165,088, Nov. 6.
Clasp. J. Lenneberg. 165,080, Nov. 6.
Continuous processing machine for butter, margarine, or similar article. C. and H. Doering. 165,059, Nov. 6.
Cover or similar article, Wheel. G. A. Lyon. 165,083, Nov. 6.
Covering or similar article, Head. A. L. Crowthers. 165,054, Nov. 6.
Cream and sugar vessels and tray therefor, Combined. J. A. Hill. 165,075, Nov. 6.
Dress. B. Rubin. 165,113, Nov. 6.
Dress. M. Verrand. 165,121, Nov. 6.
Fixture, Display. E. R. Erickson. 165,063, Nov. 6.
Frame for barber's seat. B. Klein. 165,078, Nov. 6.
Frame or the like, Spectacle. A. Kono. 165,079, Nov. 6.
Gauge or similar article, Fluid pressure. T. A. St. Clair. 165,117, Nov. 6.
Glove. E. Breath. 165,048, Nov. 6.
Grill, Foundation ventilator. L. W. Hamlin. 165,069, Nov. 6.
Handle. J. B. Stuman. 165,119, Nov. 6.
Harrow, Tandem disk. H. G. Bailey. 165,046, Nov. 6.
Holder, Hair. E. H. Westmore. 165,124, Nov. 6.
Jars and tray unit, Combined. J. A. Hill. 165,076, Nov. 6.
Jewelry component or similar article. K. C. Augenstein. 165,045, Nov. 6.
Knife, Paper. J. L. Day, Jr. 165,056, Nov. 6.
Lens, Pendant magnifying. R. W. Ankney. 165,043, Nov. 6.
Lighter and ash receiver rack, Combined table. H. G. Treiss, Jr. 165,120, Nov. 6.
Lighting fixture louver. R. G Marchisio. 165,085, Nov. 6.
Metal sheet or similar article, Embossed. S. Forman, L. Ramer, and A. Mund. 165,065, Nov. 6.
Muffler for an exhaust gas system. F. E. Deremer. 165,057, Nov. 6.
Necktie, Four-in-hand. W. L. Mitchell. 165,095, Nov. 6.
Rack, Floral. C. J. White. 165,125, Nov. 6.
Rack, Tie. J. Saxon. 165,114, Nov. 6.
Receptacle and chime, Combined plant. C. O. Musser. 165,097, Nov. 6.
Refrigerator. P. Müller-Munk. 165,096, Nov. 6.
Saw, Portable electric hand. A. N. Emmons and P. Müller-Munk. 165,062, Nov. 6.
Shelf, Wall. K. G. B. and N. E. Strinning. 165,118, Nov. 6.
Shoe. J. H. Sloan and M. H. Gilkerson. 165,115, Nov. 6.
Shoe. J. H. Sloan and M. H. Gilkerson. 165,116, Nov. 6.
Sign and trellis, Combined. A. Crawford. 165,053, Nov. 6.
Sign, Portable illuminable direction. S. G. Costas. 165,051, Nov. 6.
Slicing machine. J. M. Little. 165,082, Nov. 6.
Slip. P. M. Marcus. 165,086–7, Nov. 6.
Spray head for an aerosol dispenser or similar article. T. Hellig. 165,072–3, Nov. 6.
Stand for Hanukkah lights. S. R. Zoss. 165,127, Nov. 6.
Strainer, Sink. P. F. Danielson. 165,055, Nov. 6.
Table ornament and statuary box, Combined. J. Barofsky. 165,047, Nov. 6.
Tire, Pneumatic. M. G. Muszynski. 165,098, Nov. 6.
Toy airplane. R. L. Hayman. 165,070–1, Nov. 6.
Tray, Utility. H. C. Riemann. 165,111, Nov. 6.
Umbrella. H. Eichenbaum. 165,061, Nov. 6.
Watch. J. Granat. 165,067, Nov. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acenaphthenyl amino alcohols. J. F. Kerwin and G. E. Ullyot. 2,574,150, Nov. 6.
Acoustic ranging system, including magnetic recording. D. H. Weinstein and M. Keiser. 2,573,748, Nov. 6.
Activating process for plating. R. M. Wagner. 2,574,305, Nov. 6.
Adhesive tape package. E. W. Lewis and C. H. Watson. 2,574,152, Nov. 6.
Adjustable trip. W. H. Edmunds. 2,574,093, Nov. 6.
Agricultural implement and support for the same. J. M. Landry. 2,574,113, Nov. 6.
Air-blast circuit breaker. A. Latour. 2,574,334, Nov. 6.
Aircraft cooling valve. J. E. Eshbaugh and N. Walker. 2,574,254, Nov. 6.
Aircraft retractable landing skid. R. L. Levy. 2,574,404, Nov. 6.
Airplane engine cooling arrangement. K. F. Lovejoy and D. B. Peat. 2,573,854, Nov. 6.
Alcohols from olefins, Manufacture of. A. Gislon and A. M. Valet. 2,574,325, Nov. 6.
Alkenylhalosilanes, Production of. D. B. Hatcher. 2,574,390, Nov. 6.
Alloy: *See*—
  Aluminum alloy.
All-textile elastic fabrics, Making. B. H. Foster. 2,574,029, Nov. 6.
Altimeter actuated by cosmic rays. J. W. B. Barghausen and J. A. Van Allen. 2,573,823, Nov. 6.
Alumina chromatographic purification of liver extracts. K. Folkers and J. Shavel, Jr. 2,573,702, Nov. 6.
Aluminum alloy. H. Burkhardt. 2,574,318, Nov. 6.
Amide-glyoxal-formaldehyde reaction product and shrink-proofing cellulose textile fibers therewith. R. L. Lehmann and J. Lintner. 2,574,114, Nov. 6.
Ammunition container. R. N. Sandberg. 2,573,774, Nov. 6.
Amplifier, Alternating current magnetic. K. Votruba. 2,573,818, Nov. 6.
Amplifier, Television intermediate frequency. H. Goldberg. 2,574,259, Nov. 6.
Anchor for mine roof bolts, Explosively actuated. R. Temple. 2,573,880, Nov. 6.
Angularly adjustable circular saw mounting. J. P. Enslow and P. L. Wagner. 2,574,025, Nov. 6.
Animal trap. J. Blatchford. 2,573,759, Nov. 6.
Antenna for microwaves, Directive. W. H. Watson and E. W. Guptill. 2,573,746, Nov. 6.
Antenna scanner. W. R. Childs, F. A. Schnell, and R. J. Newman. 2,574,376, Nov. 6.
Antenna system. V. D. Landon. 2,573,914, Nov. 6.
Anthraquinone dyestuffs, Production of. V. S. Salvin and J. R. Adams, Jr. 2,573,733, Nov. 6.
Antiseptic animal appliance. F. Springborn and J. E. Sinos. 2,574,130, Nov. 6.
Apparatus for cleaning perforations. H. C. Brown. 2,574,141, Nov. 6.
Apparatus for cleansing drinking vessels and the like. G. A. Stanley. 2,574,089, Nov. 6.
Apparatus for coating flat disks. R. L. Dyar. 2,573,835, Nov. 6.
Apparatus for depositing strips of adhesive upon a base material. T. O. Bretherton. 2,573,952, Nov. 6.
Apparatus for die rolling. A. C. Ruden. 2,574,121, Nov. 6.
Apparatus for dispensing materials. C. T. Asbury. 2,573,784, Nov. 6.
Apparatus for distillation of fatty acids, tall oil, and the like. R. H. Potts and R. N. Olson. 2,573,727, Nov. 6.
Apparatus for filling molds with foamed latex. R. A. Herrly. 2,574,391, Nov. 6.
Apparatus for frothing rubberlike material. J. T. Marvin and G. H. McFadden. 2,574,220, Nov. 6.
Apparatus for handling fish. H. R. Humphreys. 2,573,907, Nov. 6.
Apparatus for inducing respiration by tilting. C. F. Eaton. 2,574,092, Nov. 6.
Apparatus for magnetically measuring thickness of ferrous pipe. W. R. MacLean. 2,573,799, Nov. 6.
Apparatus for rapid heat transfer in process material. H. S. Hill and J. T. Coghill. 2,573,709, Nov. 6.
Apparatus for removing wood waste. C. V. Anderson. 2,574,161, Nov. 6.
Apparatus for roasting sulfide ores. L. W. Booton. 2,573,785, Nov. 6.
Apparatus for teaching and practicing skiing. R. Ravoire. 2,573,808, Nov. 6.
Apparatus for transferring loads from pallets to industrial trucks. W. Isler. 2,574,394, Nov. 6.
Apparatus for viewing stereoscopic pictures. J. Mahler. 2,574,186, Nov. 6.
Apparatus having rotatable means for feeding aeratable powdered material from storage and dispensing such material. A. D. Sinden. 2,574,231, Nov. 6.
Apparatus incorporating a cathode-ray device, particularly television receivers. P. R. J. Court. 2,574,245, Nov. 6.
Apparatus to expand and mount solid resilient tires on channelled wheels or rims. R. L. Sherrick. 2,574,195, Nov. 6.
Arc welding system. D. C. Girard and F. T. Roach. 2,573,901, Nov. 6.
Article carrier for washing machines and tray therefor. L. M. Kahn. 2,574,149, Nov. 6.
Aryl 6-tetrahydropyranyl ethers, Substituted. R. R. Whetstone. 2,574,444, Nov. 6.
Attachment for box-covering machines. M. V. Silby. 2,574,126–7, Nov. 6.
Attachment for grinding machines. S. J. Kopec. 2,574,110, Nov. 6.
Automatic bank of elevator cars. D. Santini, P. C. Keiper, and W. H. Esselman. 2,573,932, Nov. 6.
Automatic draft controlled brake. F. E. Machamer. 2,574,406, Nov. 6.
Automatic rafter square. H. C. Heiskell. 2,574,035, Nov. 6.
Automatic speed and feed change mechanism for machine tools. H. B. Soule and G. W. Smithson. 2,574,301, Nov. 6.
Awning construction. L. M. Sweeney. 2,574,423, Nov. 6.
Back pressure safety valve. T. J. Redd. 2,574,061, Nov. 6.
Balking ring clutch. E. W. Zingsheim. 2,574,004, Nov. 6.
Ball pitching machine, Automatic. A. S. Moe. 2,574,408, Nov. 6.
Ball release mechanism for pool tables, Coin-controlled. P. F. Wilhem. 2,574,363, Nov. 6.
Baseboard for electrical outlets. A. B. Weisler. 2,574,075, Nov. 6.
Basket weave bracelet chain. A. O. Schoeninger. 2,574,125, Nov. 6.
Battery lead clamp. T. W. Holland. 2,573,972, Nov. 6.
Belt, Safety. F. Haller. 2,574,178, Nov. 6.
Blinder for poultry, Flexible antipicking. D. Wolfson and H. Seiden. 2,573,942, Nov. 6.
Block material handling machine. H. P. Steinbrecher. 2,574,131, Nov. 6.
Bobbin carrier. E. J. Eaddy. 2,573,958, Nov. 6.
Boiler feed trap. D. McBride. 2,574,341, Nov. 6.
Boresighting device. J. C. Gardner. 2,573,703, Nov. 6.
Box for smoking meat, fish, or poultry, Smoke. P. Nysten. 2,573,772, Nov. 6.
Brace, Ladder. E. C. Rein. 2,574,286, Nov. 6.
Brace, Leg. J. H. Murphy. 2,573,866, Nov. 6.
Brace, Sway. J. K. Wood. 2,574,309, Nov. 6.
Bracket: *See*—
  Mailbox bracket.
Bracket rod mounting. A. Vanderveld. 2,574,073, Nov. 6.
Brake: *See*—
  Automatic draft controlled brake.
  Mechanical vehicle brake.
  Rotary fluid brake.
Braking system for aircraft. H. W. Trevaskis. 2,574,426, Nov. 6.
Brush and beater roll for vacuum cleaners. F. O. Skidmore. 2,574,128, Nov. 6.
Bubble-blowing device. F. G. Ludwig. 2,574,117, Nov. 6.
Buffing wheel. F. E. Hendrickson. 2,574,037, Nov. 6.
Building construction. H. E. Sage. 2,573,987, Nov. 6.
Building construction. C. J. Vogel. 2,574,074, Nov. 6.
Building structure. J. J. Whelan 2,574,307, Nov. 6.
Bunch building mechanism for spinning or winding machines. W. H. Buckner. 2,574,015, Nov. 6.
Burner: *See*—
  Combination baking and broiling gas burner.
Burning pulverized coal. H. Kreisinger. 2,573,910, Nov. 6.
Burr. O. B. Maxim and R. M. Peabody. 2,574,435, Nov. 6.
Burr, Closed type. O. B. Maxim. 2,574,436, Nov. 6.
Calcium fluoride, Making. N. Gilbert and I. A. Hobbs. 2,573,704, Nov. 6.
Calcium sulfonate solutions, Production of. H. E. Latier and F. M. Watkins. 2,573,796, Nov. 6.
Calibrator. R. C. Sanders, Jr., and W. R. Mercer. 2,573,734, Nov. 6.
Cam operated clutch. W. B. Woody and S. E. Corry. 2,574,204, Nov. 6.

Camera and casing, including control means, Underwater. D. A. and W. F. Whitman. 2,573,885, Nov. 6.
Camera-projector lens supporting attachment. M. J. Updegraff. 2,574,072, Nov. 6.
Can wiping and shielding mechanism. P. F. Lindeman and V. J. Simmen. 2,573,721, Nov. 6.
Cap: *See*—
Swivel cap.
Carpenter's horse or trestle. G. W. Spikings, Jr. 2,573,740, Nov. 6.
Carrier: *See*—
Bobbin carrier.
Collapsible golf bag carrier.
Carrying receptacle. M. Gottesman. 2,574,146, Nov. 6.
Carton handling device. E. C. Burhans. 2,574,087, Nov. 6.
Carton with automatic cover locking means. W. C. George. 2,574,384, Nov. 6.
Case: *See*—
Fitted traveling case.
Refrigerated display case.
Shipping case.
Case, box, or container, Foldable. M. van Cappellen. 2,574,303, Nov. 6.
Cataloguing machine. C. L. Singleton. 2,573,814, Nov. 6.
Catalytic conversion of bituminous solids, Multistage. L. C. Huff. 2,573,906, Nov. 6.
Catalytic desulfurization of gas oil. P. Docksey and F. W. B. Porter. 2,574,448, Nov. 6.
Catalytic desulfurization of gas oil-kersosene mixtures. P. Docksey and F. W. B. Porter. 2,574,446, Nov. 6.
Catalytic desulfurization of kerosene and white spirits. F. W. B. Porter and F. R. G. Green. 2,574,445, Nov. 6.
Catalytic desulfurization of naphthenic petroleum hydrocarbons followed by catalytic cracking. H. T. Lorne and F. W. B. Porter. 2,574,449, Nov. 6.
Catalytic desulfurization of petroleum hydrocarbons. F. W. B. Porter. 2,574,447, Nov. 6.
Catalytic desulfurization of petroleum hydrocarbons. F. W. B. Porter and R. P. Northcott. 2,574,451, Nov. 6.
Catalytic desulphurisation of naphthas. F. W. B. Porter and F. R. G. Green. 2,573,726, Nov. 6.
Cathode-ray tube time-base circuit. G. L. Hinckley and J. H. W. Simmons. 2,573,970, Nov. 6.
Centrifugal switch. K. M. Hammell and R. P. O'Malley. 2,573,968, Nov. 6.
Certain polyol ethers. M. De Groote and B. Keiser. 2,573,893, Nov. 6.
Chain: *See*—
Basket weave bracelet chain.
Chaff screen. M. L. Blair and A. J. McAllister. 2,574,011, Nov. 6.
Chair: *See*—
Folding chair.
High chair.
Chair structure, Adjustable back rest. A. C. Hoven and W. E. Nordmark. 2,573,845, Nov. 6.
Chemical recovery and control in the kraft pulp process. W. L. Savell. 2,574,193, Nov. 6.
Chromic oxide, Production of. J. Schulein. 2,574,065, Nov. 6.
Cigarette ash stand. J. D. Shockey. 2,573,776, Nov. 6.
Circuit: *See*—
Cathode-ray tube time-base circuit.
Electrical accelerometer circuit.
Linear delay circuit.
Electric valve control circuit.
Rate measuring and comparing circuit.
Circuit closer for electrical wiring systems, Automatic. W. F. Morgan. 2,574,278, Nov. 6.
Circuit for marking a line as busy. R. M. M. Oberman. 2,574,224, Nov. 6.
Clamp: *See*—
Battery lead clamp.
Hose clamp.
Paper clamp.
Push or pull toggle clamp.
Rod clamp.
Clamp and spreader, Straight beam adjustable jaw. S. W. Jordan. 2,574,214, Nov. 6.
Clamp improvement. R. F. Rowe. 2,574,417, Nov. 6.
Clamping device. J. H. Anderson. 2,574,007, Nov. 6.
Clamping fixture. V. L. Walker. 2,574,306, Nov. 6.
Clamping system. O. E. Peter. 2,573,928, Nov. 6.
Cleaner: *See*—
Grain or seed cleaner.
Cleaning and drying machine, Centrifugal. P. Fraraccio. 2,574,098, Nov. 6.
Clip: *See*—
Hair clip.
Closure operating means. J. M. C. Altube. 2,574,312, Nov. 6.
Clutch: *See*—
Balking ring clutch.
Cam operated clutch.
Clutch plate. H. V. Reed. 2,573,931, Nov. 6.
Coating porous masonry to render it water repellent. B. R. Brick. 2,574,168, Nov. 6.
Coating press and holiday detector. A. L. Smith. 2,573,815, Nov. 6.
Collapsible core. W. J. Pugh. 2,574,413, Nov. 6.
Collapsible disposable container. W. H. Crosby. 2,574,246, Nov. 6.
Collapsible golf bag carrier. L. A. Welsh. 2,574,232, Nov. 6.
Color and color difference meter. R. S. Hunter. 2,574,264, Nov. 6.
Color stabilizers. E. L. Walters. 2,573,779, Nov. 6.
Combination baking and broiling gas burner. R. H. Meiners. 2,574,153, Nov. 6.
Combustion chamber with stepped wall construction. E. A. De Zubay and R. A. Sforzini. 2,573,694, Nov. 6.
Commutator. T. Trott. 2,574,360, Nov. 6.
Compact providing facial illumination. K. E. Rush. 2,574,292, Nov. 6.
Compositions of matter comprising halogenated organic compounds. A. M. Ellenburg. 2,573,894, Nov. 6.
Compressor. A. E. Mitchell. 2,573,863, Nov. 6.
Computer using magnetic amplifier. B. Rossi, H. S. Sack, R. T. Beyer, and G. H. Miller. 2,574,438, Nov. 6.
Condensation products of ureides and formaldehyde. H. Jones and J. K. Aiken. 2,574,040, Nov. 6.
Conducting reactions in the presence of a solid material. J. A. Crowley, Jr. 2,574,247, Nov. 6.
Conduit box cover. P. J. Falson. 2,574,382, Nov. 6.
Condyle position indicating apparatus. C. F. Tully. 2,574,427, Nov. 6.
Connector: *See*—
Electrical connector.
Constant velocity universal joint. F. W. Sampson. 2,574,226, Nov. 6.
Contact spring assembly or the like and producing the same. S. D. Vigren and N. E. F. Holmqvist. 2,574,134, Nov. 6.
Container: *See*—
Ammunition container.
Collapsible disposable container.
Control for automatically presetting blocks on sawmill carriages. O. N. Hult. 2,574,393, Nov. 6.
Control mechanism for door latches. E. L. Allen. 2,573,679, Nov. 6.
Cornhusking attachment for portable farm elevators. B. M. Hyman. 2,573,909, Nov. 6.
Corn picker and husker with grain recovery device. M. J. Mitchell. 2,573,925, Nov. 6.
Corrosion preventive compositions. K. F. Schlermeier and H. A. Poltz. 2,573,878, Nov. 6.
Cosmetic applicator. C. H. Braselton. 2,573,828, Nov. 6.
Coupling: *See*—
Demountable pipe coupling.
Rotary fluid coupling.
Coupling actuated magnetic switch. W. McLeod. 2,573,920, Nov. 6.
Coupling device. G. E. Platzer. 2,574,191, Nov. 6.
Cover: *See*—
Conduit box cover.
Cover and lock for toilet flush tanks. L. Parker and C. R. Hopper. 2,573,984, Nov. 6.
Crystallized fruit spread and making same. J. W. White, Jr. 2,573,750, Nov. 6.
Cuff marking device. D. L. Hutkin and L. Lettes. 2,574,148, Nov. 6.
Cultivator, Rolling row crop. N. E. Cummings. 2,574,379, Nov. 6.
Cutter and shredder, Rotary stalk. J. L. Aasland. 2,573,887, Nov. 6.
Cutting machine. F. C. Lange. 2,574,269, Nov. 6.
Damping means for railway trucks. C. L. Orr and J. C. Settles. 2,574,348, Nov. 6.
Davenport and bed, Convertible. T. F. Cooney. 2,573,892, Nov. 6.
Deep-well working head. L. R. Young and M. E. Spangberg. 2,573,753, Nov. 6.
Degreasing apparatus. J. M. Bash. 2,574,084, Nov. 6.
Delivery box signal. W. E. Seibel. 2,573,879, Nov. 6.
Demountable pipe coupling. C. L. Johannesson. 2,573,974, Nov. 6.
Depressuring system. P. D. Barton. 2,574,139, Nov. 6.
Derivatives of parahydroxypenicillin G. F. H. Stodola, J. L. Wachtel, and R. D. Coghill. 2,573,741, Nov. 6.
Desulfurization of hydrocarbon extracts. F. W. B. Porter and R. P. Northcott. 2,574,450, Nov. 6.
Detergent dispenser and timer valve for dishwashing machines. C. de Ganahl, C. C. Smith, and I. P. Romberger, Jr. 2,573,787, Nov. 6.
Developing electrostatic images with electroscopic powder, Method and apparatus for. L. E. Walkup and D. L. Fauser. 2,573,881, Nov. 6.
Device for adjustably interfitting two coactive members. F. A. Kane, Jr., and G. F. Oberrender. 2,574,109, Nov. 6.
Device for controlling the operation of electric switches. D. M. King. 2,574,397, Nov. 6.
Device for dispensing discrete particles. I. S. Boydstun. 2,574,166, Nov. 6.
Device for dispensing medicaments. R. E. McCulston. 2,573,918, Nov. 6.
Device for re-forming metal tiles. C. J. Jensen, M. E. Lawyer, and H. A. Simpson. 2,573,767, Nov. 6.
Diaphragm seal for high pressures. T. R. Smith. 2,574,297, Nov. 6.
Die head for cutting threads. F. Griffith. 2,574,260, Nov. 6.
Differential protective system. R. E. Lloyd. 2,574,403, Nov. 6.
Digit guard. V. L. Kelly. 2,573,715, Nov. 6.
Direction indicating light. A. B. Ogden. 2,573,926, Nov. 6.
Dishwashing machine. O. D. Kueneman. 2,573,794, Nov. 6.

Dishwashing machine. G. R. Porter. 2,574,058, Nov. 6.
Dispenser closure, Milk can. T. Lewis. 2,574,338, Nov. 6.
Dispensing apparatus, Beverage. S. C. and J. Benjamin. 2,573,888, Nov. 6.
Dispensing closure, Adjustable. A. Limbach. 2,574,337, Nov. 6.
Dispensing device for volatile products. J. Henchert. 2,574,036, Nov. 6.
Dissolving cellulose xanthate. L. L. Malm. 2,573,978, Nov. 6.
Dissolving of polymers. J. R. Blizzard. 2,573,949, Nov. 6.
Distributing valve. H. R. Fischer and J. A. Roberts. 2,574,096, Nov. 6.
Door: *See*—
Sectional door.
Door hinge, Interlocking. F. D. Low. 2,573,798, Nov. 6.
Door lock. D. M. Robinson. 2,574,415, Nov. 6.
Double-webbed rail wheel. H. F. Flowers. 2,574,323, Nov. 6.
Drier: *See*—
Extraction drier.
Heat exchanger clothes drier.
Drilling fluid concentrates. P. W. Fischer. 2,573,960, Nov. 6.
Drilling fluids. P. W. Fischer. 2,573,959, Nov. 6.
Drilling fluids, Low-resistance. P. W. Fischer. 2,573,961, Nov. 6.
Drilling unit. J. Nelson. 2,574,347, Nov. 6.
Dry cleaning. H. F. Hamlin. 2,573,966, Nov. 6.
Dry cleaning machine. C. F. Dinley. 2,574,251, Nov. 6.
Dry shaver. T. Bailey. 2,573,758, Nov. 6.
Drying apparatus. B. R. Andrews. 2,574,083, Nov. 6.
Dual wheel lug wrench. C. A. Pechacek. 2,574,156, Nov. 6.
Duct intake or entry for gaseous fluid flow diffuser system. I. M. Davidson. 2,573,834, Nov. 6.
Dummy for athletic training, Portable. R. F. Logan. 2,574,046, Nov. 6.
Duplicating machine, Liquid process. G. J. Rundblad. 2,573,810, Nov. 6.
Dust collecting apparatus. D. W. Kestell. 2,573,768, Nov. 6.
Dust collector. R. A. Pringle. 2,574,412, Nov. 6.
Dust filter. H. J. Hersey, Jr. 2,573,844, Nov. 6.
Dyeing only the cellulose acetate ends of a mixed fabric using a dye paste comprising a swelling agent for the cellulose acetate. B. J. Goldsmith and W. H. Hindle. 2,573,705, Nov. 6.
Ear protector. D. Mezz. 2,573,923, Nov. 6.
Ear protector. M. C. Rosenblatt. 2,574,288, Nov. 6.
Educational appliance. H. A. Rosen. 2,574,064, Nov. 6.
Egg washer. L. R. Dolson and G. Stone. 2,574,252, Nov. 6.
Electric load regulator. A. J. Kercher. 2,573,846, Nov. 6.
Electric switch. A. F. Evett. 2,573,895, Nov. 6.
Electric switch. W. C. Lesher. 2,574,400–01, Nov. 6.
Electric valve control circuit. M. E. Bivens. 2,574,373, Nov. 6.
Electrical accelerometer circuit. Le R. J. Vincent. 2,574,361, Nov. 6.
Electrical connection. T. D. Monroe. 2,574,277, Nov. 6.
Electrical connector. E. E. Holke. 2,573,710, Nov. 6.
Electrical precipitation method. H. F. Hamlin. 2,573,967, Nov. 6.
Electrical relay of toggle type. A. H. Lamb. 2,574,399, Nov. 6.
Electrical wave guide switch. W. F. Kannenberg. 2,573,713, Nov. 6.
Electrolytic cell. W. H. Furness. 2,573,788, Nov. 6.
Electromagnetic-wave investigations. W. M. Barret. 2,573,682, Nov. 6.
Electronic counter, Predetermined. J. T. Potter. 2,574,283, Nov. 6.
Elevator with tensioning means for raising conveyer chute, Portable. B. M. Hyman. 2,573,908, Nov. 6.
Engine operated on the two-stroke cycle, Internal-combustion. H. Sammons and L. F. Hall. 2,573,989, Nov. 6.
Equipment for removal of entrained solids. B. E. Bailey. 2,574,370, Nov. 6.
Ethers of polychloro diphenyl methane. D. M. Musser. 2,574,189, Nov. 6.
Expansible cloth and making it. W. W. Rowe. 2,573,773, Nov. 6.
Extracting gallium oxide from aluminous substances. M. Beja. 2,574,008, Nov. 6.
Extraction drier. J. T. Bian. 2,574,085, Nov. 6.
Extractor with discharge mechanism. J. L. Jones, Jr. 2,574,106, Nov. 6.
Face guard restraining device. A. Mueller. 2,574,222, Nov. 6.
Fan, Rotary. R. G. Riddiford. 2,573,875, Nov. 6.
Farm silo personnel elevator. A. C. Radtke. 2,573,930, Nov. 6.
Fastener for buttons. M. J. Rodrigues. 2,573,876, Nov. 6.
Fastener for detachably attaching buttons to fabrics and the like, Slide. A. E. Bryce. 2,574,014, Nov. 6.
Fastening device. C. H. Judd. 2,574,330, Nov. 6.
Feeder: *See*—
Sand feeder.
Feeding and stitching slide fastener stringers to garment fly pieces. M. K. and J. E. Rohrlick. 2,574,351, Nov. 6.
Feeding blanks, Method and apparatus for. H. Anderson. 2,573,944, Nov. 6.
Fence, Electric. D. D. Metcalf. 2,574,052, Nov. 6.
Fender flap support. L. Zaiger and R. I. Lappin. 2,574,310, Nov. 6.
Filing jacket or holder for paper, Multiple. R. A. E. Guichard. 2,574,386, Nov. 6.
Filling and draining attachment for tanks. C. P. Dahl. 2,574,022, Nov. 6.
Film magazine. J. D. Wilson and C. E. Smith. 2,573,780, Nov. 6.
Filter: *See*—
Dust filter.
Filter for goggles and the like. F. W. Maurer and J. B. Hirschmann. 2,573,722, Nov. 6.
Filtering device, Gas. F. K. McGowan. 2,574,053, Nov. 6.
Filters. H. L. Green, D. J. Thomas, and W. J. Harris. 2,573,964, Nov. 6.
Finishing furs. F. H. Richterkessing. 2,574,452, Nov. 6.
Firearm. J. M. Hobbs. 2,574,147, Nov. 6.
Fish pole light attachment. L. P. and H. J. Kuczynski. 2,574,333, Nov. 6.
Fish reel. C. G. Lindgren. 2,574,216, Nov. 6.
Fishing line trip sinker. F. W. Nelson. 2,573,981, Nov. 6.
Fishing pole ferrule, Jointed. J. D., L. L., and J. H. Crowson. 2,574,249, Nov. 6.
Fishing spinner. J. O. Sabin and G. E. Ericson. 2,574,293, Nov. 6.
Fitted traveling case. E. N. Graham. 2,573,763, Nov. 6.
Fixture hanger. F. H. Blumenthal. 2,574,205, Nov. 6.
Flexible toolholder. F. G. Burg. 2,574,016, Nov. 6.
Flexible track element and structure. R. L. Seidman. 2,574,067, Nov. 6.
Flexible valve. S. Khalil. 2,574,266, Nov. 6.
Float rod assembly. J. W. Offutt. 2,573,869, Nov. 6.
Floodlight, Dirigible. L. B. Hill. 2,574,211, Nov. 6.
Floor rack. A. F. O'Connor. 2,574,410, Nov. 6.
Flotation of cobaltite. S. P. Moyer. 2,573,865, Nov. 6.
Fluid control. L. S. Hamer. 2,573,842, Nov. 6.
Fluid meter. W. W. Stevenson. 2,574,198, Nov. 6.
Fluid valve. A. E. Miller. 2,574,054, Nov. 6.
Flywheel synchronization system. K. Schlesinger. 2,574,229, Nov. 6.
Folding chair. G. L. Guthmann. 2,574,387, Nov. 6.
Folding chair. A. Lewis. 2,573,915, Nov. 6.
Folding wall seat. J. E. Turner. 2,574,302, Nov. 6.
Food handling apparatus. D. A. Meeker and E. A. Reussenzehn. 2,573,861, Nov. 6.
Forming a multilayered mat of intercrossed filaments. P. Modigliani. 2,574,221, Nov. 6.
Forming solder pellets, Method of and apparatus for. W. C. Stammer and C. R. Breden. 2,574,357, Nov. 6.
Fountain, Poultry water. W. D. Mitchell. 2,573,802, Nov. 6.
4,6-ditertiary-butyl-2-methyl-cyclohexanol. A. C. Whitaker and W. W. Weinrich. 2,574,077, Nov. 6.
Frame: *See*—
Universal formed metal door frame.
Frozen concentrated fruit juices, Making. R. K. Eskew, R. P. Homiller, and G. W. M. Phillips. 2,573,699, Nov. 6.
Fuel injection pump. S. O. Jakobsen. 2,573,792, Nov. 6.
Fungicidal basic berthollide and using same. F. R. Whaley. 2,573,739, Nov. 6.
Fungicidal compositions. C. N. Smith, F. R. Whaley, and R. H. Wellman. 2,573,738, Nov. 6.
Furnace dome construction, Air heating. D. O. Elliott. 2,574,024, Nov. 6.
Furnace for converting hydrocarbons. H. E. Charlton. 2,574,088, Nov. 6.
Game, Color harmonizing card. P. H. Hartley. 2,574,328, Nov. 6.
Game device, Chance. E. Krebeck. 2,574,398, Nov. 6.
Game, Puzzle. J. W. Sullivan. 2,574,158, Nov. 6.
Game top. J. W. Loveday. 2,573,916, Nov. 6.
Gamma isomer of hexachlorocyclohexane, Manufacture of the. H. Bender and H. M. Pitt. 2,574,165, Nov. 6.
Garment hanger. C. C. Light. 2,574,185, Nov. 6.
Garment, Sanitary. L. A. Oberle. 2,574,279, Nov 6.
Garment, Waterproof. V. M. F. Gordon. 2,573,903, Nov. 6.
Gas container and dispensing means. M. R. Fields and Z. M. Roehr. 2,574,028, Nov. 6.
Gas fueling system for filling truck-mounted container by using the power of the truck motor. R. Godet. 2,574,177, Nov. 6.
Gas heater safety device. L. F. Durrell. 2,574,173, Nov. 6.
Gas turbine fuel control with throttle controlled manually and by fluid pressure from an isochronous governor. R. A. Neal. 2,573,724, Nov. 6.
Gasoline driven hammer. J. P. Hefner. 2,574,103, Nov. 6.

Gauge: *See*—
Micrometer gauge. Veneer gauge.
Pneumatic bore gauge.
Gauging device, Pneumatic. D. O. Hendrix and R. M. Langer. 2,573,843, Nov. 6.
Generating groups of currents. H. E. Goldstine. 2,574,326, Nov. 6.
Generator: *See*—
Sequential pulse generator. Tone generator.
Generator. E. J. Duffy. 2,574,253, Nov. 6.
Glass washer. M. R. Anstice, Sr. 2,573,945, Nov. 6.
Glider for hand vacuum cleaners. E. P. Turner. 2,574,442, Nov. 6.
Grain or seed cleaner. G. Unterberg. 2,573,778, Nov. 6.
Grappling device. M. G. Murray and R. W. Porter. 2,573,867, Nov. 6.
Grate, Clinker crushing furnace. H. H. Culver. 2,574,021, Nov. 6.
Grinder support attachment for main journals and the like without removal of the shaft. E. Sawyer. 2,574,228, Nov. 6.
Grinding machine attachment. S. J. Kopec. 2,574,112, Nov. 6.
Grinding machine attachment for grinding helical teeth. S. J. Kopec. 2,574,111, Nov. 6.
Gun sling. M. K. Colby. 2,574,143, Nov. 6.
Hair clip. O. L. Engstrom. 2,574,144, Nov. 6.
Half cycling protective and indicating systems. M. E. Bivens. 2,574,374, Nov. 6.
Handbag. L. E. Meadow. 2,573,770, Nov. 6.
Handbag construction. S. Hyman. 2,573,766, Nov. 6.
Handle for steak platters and the like, Detachable. R. W. Pashby. 2,574,411, Nov. 6.
Hanger: *See*—
Fixture hanger. Garment hanger.
Head covering. A. L. Crowthers. 2,574,208, Nov. 6.
Headrest for inside work on automobiles. B. E. Harrold and C. Huffman, Jr. 2,574,389, Nov. 6.
Heat applying bandage. J. N. M. Howells. 2,573,791, Nov. 6.
Heat exchanger clothes drier. T. R. Smith. 2,574,298, Nov. 6.
Heat-sealing machine of the thermal impulse type. A. and H. Fener. 2,574,094, Nov. 6.
Herbicide. J. A. Lambrech. 2,573,769, Nov. 6.
High chair. T. P. Rossi. 2,574,289, Nov. 6.
High molecular derivatives of piperazine. J. D. Malkemus and J. Ross. 2,574,407, Nov. 6.
Hitch assembly, Automatic release. F. Novak. 2,573,771, Nov. 6.
Hog oiler. D. W. Rhoades. 2,573,873, Nov. 6.
Hoisting apparatus. G. R. Arner, Sr. 2,574,236, Nov. 6.
Holder: *See*—
Lipstick holder. Pen holder.
Holder for container filling machines, Self-centering. A. Reichert. 2,574,157, Nov. 6.
Holder for waste disposal containers. C. J. Leonard. 2,574,270, Nov. 6.
Hollow articles, Making. A. C. Scavullo. 2,573,736, Nov. 6.
Hook for measuring tape. H. McCully. 2,574,272, Nov. 6.
Hose clamp. K. D. Stewart. 2,574,441, Nov. 6.
Hose reel. D. Newell. 2,573,868, Nov. 6.
Hosiery packaging. W. K. Bigelow. 2,573,827, Nov. 6.
Humidostat. W. C. Blinn and W. R. Bailey. 2,573,685, Nov. 6.
Hydraulic cylinder assembly and manufacturing. S. B. McLeod. 2,574,273, Nov. 6.
Hydraulic drive for winding machines. R. Tyler and E. H. Parduhn. 2,573,938, Nov. 6.
Hydraulic motor actuated mechanism for spinner type washing machines and the like. C. A. Rubano. 2,574,418, Nov. 6.
Hydraulic pneumatic system for actuating pressure. R. K. Sedgwick. 2,573,993, Nov. 6.
Hydrocarbon synthesis process. W. C. Lanning. 2,573,795, Nov. 6.
Hydrogenation of unstable petroleum wax. W. T. Knox, Jr. 2,574,331, Nov. 6.
Hydrogenation process. W. M. Smith. 2,574,355, Nov. 6.
Hydrohalogenation of olefins. A. A. Dolnick and H. Naidus. 2,573,695, Nov. 6.
Hydroperoxide compounds, Preparation of. E. R. Bell, F. F. Rust, and W. E. Vaughan. 2,573,947, Nov. 6.
Hydrophilic cellulose gel, Preparing a. J. J. F. Guardiola-Aragonès. 2,574,210, Nov. 6.
Hydropneumatic recuperator for guns. J. E. Prache. 2,574,059, Nov. 6.
Hydropneumatic recuperator with adjustable power. J. E. Prache. 2,574,060, Nov. 6.
Illumination system. E. Gretener. 2,574,031, Nov. 6.
Implement, Hand-guided rotary earth-working. R. J. Barrow. 2,574,237, Nov. 6.
Impulse testing device. R. O. Boykin, Jr. 2,573,830, Nov. 6.
Indicator for electronic counters, Coincidence. R. R. Fyeas, Jr. 2,574,145, Nov. 6.
Indicator for motion-picture cameras, Film position. E. P. Shepard. 2,573,994, Nov. 6.
Indicator for recording instrument. H. L. Bowditch. 2,573,950, Nov. 6.
Injection apparatus. W. E. Hinds. 2,574,263, Nov. 6.
Instrument casing for measuring and controlling apparatus. W. P. Wills. 2,574,203, Nov. 6.
Instrument for computing arcuate lengths and lengths having arcuate components. A. T. Nash. 2,573,803, Nov. 6.
Instrument for measuring or indicating the specific gravity of liquids. G. E. Brown and B. K. Macey. 2,574,432, Nov. 6.
Instrument, Temperature-compensated, phase-corrected thermal. A. J. Petzinger. 2,573,929, Nov. 6.
Instrument, Writing. I. Chesler. 2,573,691, Nov. 6.
Insulated extension clip-on test prod. V. Lannou. 2,574,043, Nov. 6.
Intermediates and process useful in the production of bis-dehydrodoisynolic acid. W. S. Johnson and R. P. Graber. 2,574,396, Nov. 6.
Internal-combustion engine variable combustion chamber. F. D. Butler. 2,573,688, Nov. 6.
Internal-combustion engine variable combustion chamber. F. D. Butler. 2,573,689, Nov. 6.
Ionization and vacuum tube chamber. J. A. Victoreen. 2,574,000, Nov. 6.
Ionization chamber. J. A. Victoreen. 2,573,999, Nov. 6.
Ironing board stand attachment. S. A. Schlags. 2,574,194, Nov. 6.
Jack: *See*—
Mobile jack. Pump jack.
Jack construction, Lifting. L. Schweitzer. 2,573,877, Nov. 6.
Jacketing, particularly for packets of disposable tissues. G. S. Montgomery. 2,574,345, Nov. 6.
Jalousie. L. Miller. 2,574,344, Nov. 6.
Jogger attachment for printing presses. E. D. Lawrence. 2,573,852, Nov. 6.
Joint: *See*—
Constant velocity universal joint. Pipe joint.
Key selector aid. D. W. Wishart. 2,573,781, Nov. 6.
Keyboard locking mechanism for laundry listing machines. W. J. Keuper. 2,573,847, Nov. 6.
Knife guard for slicing machines. D. A. Meeker and E. A. Reussenzehn. 2,573,860, Nov. 6.
Knife, Heated. J. B. Smith and J. Q. Sidwell. 2,574,440, Nov. 6.
Knitting machine. A. Belford and F. A. Kuss. 2,574,009, Nov. 6.
Laminated paper tubes, Process and apparatus for producing. C. B. Hemming. 2,574,329, Nov. 6.
Lamp for asymmetrical light distribution, Incandescent. C. E. Schwenger. 2,573,775, Nov. 6.
Lasting machine. J. Zaoral and V. Ostrčil. 2,573,886, Nov. 6.
Latch: *See*—
Refrigerator door latch.
Latch mechanism for carry type scraper ejectors. C. A. Gustafson. 2,573,765, Nov. 6.
Lathe attachment for cutting spherical shapes. W. S. Blackinton. 2,574,240, Nov. 6.
Lawn edger. M. A. Whitaker. 2,574,453, Nov. 6.
Leaf turner. D. S. Boyd. 2,574,013, Nov. 6.
Light: *See*—
Direction indicating light.
Light fast azolc pigments. H. T. Lacey and F. P. Dombroski. 2,573,851, Nov. 6.
Light-sensitive compositions and plates for photolithography. F. H. Frost and F. E. Brinnick. 2,574,258, Nov. 6.
Lighting fixture for elongated tubular lamps. W. P. Crockett, Jr. 2,574,019, Nov. 6.
Linear delay circuit. H. J. Reed, Jr. 2,574,437, Nov. 6.
Lipstick holder. A. P. Lynn. 2,574,405, Nov. 6.
Loading appliance. R. Millk. 2,574,187, Nov. 6.
Lock: *See*—
Door lock. Luggage lock.
Locking closure for flexible tank outlets. L. S. Janczak. 2,574,105, Nov. 6.
Locking means for rotary driven members, Automatic. L. J. Verville and F. F. Miller, Jr. 2,573,939, Nov. 6.
Locomotive shroud closure. R. F. Abell. 2,573,755, Nov. 6.
Loom check strap. E. S. Meservey. 2,574,275, Nov. 6.
Luggage case having a removable lining. J. Cochran. 2,574,089, Nov. 6.
Luggage lock. A. Harper. 2,574,033, Nov. 6.
Luminescent zinc oxide containing a small amount of zinc sulfide. S. M. Thomsen. 2,573,817, Nov. 6.
Machine for automatically packaging conveyer supported products. N. L. Solomon, A. E. Anderson, and W. F. Feyrer. 2,574,196, Nov. 6.
Machine for forming the upper segment of in-place concrete pipe. O. E. Jerner. 2,574,213, Nov. 6.
Machine for grinding and smoothing rollers. H. Otten. 2,574,349, Nov. 6.
Machine for high-frequency determination of wall thickness of bottles and the like. T. C. Baker. 2,573,824, Nov. 6.
Machine for making dentures. I. Neustadter. 2,573,805, Nov. 6.
Machine for making hollow plastic articles, G. W. De Bell. 2,573,693, Nov. 6.
Machine for making looped or tufted fabrics. B. Kahn. 2,574,108, Nov. 6.
Machine for making wedge heels. G. R. Constantine and A. F. Ball. 2,573,692, Nov. 6.
Machine for measuring and dispensing granular material. C. V. and I. M. Johnston. 2,573,711, Nov. 6.

Machine for pretreating plastic materials. A. Bánovsky and A. Kružík. 2,573,825, Nov. 6.
Machine for thermochemically severing metal workpieces. W. J. Greene. 2,574,101, Nov. 6.
Machine for use in making insoles. F. E. Bertrand. 2,573,683, Nov. 6.
Machine for winding a sheath around a core. H. C. Noe. 2,574,154, Nov. 6.
Machine for winding strand and ribbon-like materials such as sutures and bandages. R. H. Worsham. 2,574,364, Nov. 6.
Machine gun ammunition feed. P. R. Wheeler, L. Morgan, and F. C. Schoening. 2,573,749, Nov. 6.
Machine tool. G. E. Mallinckrodt. 2,573,800, Nov. 6.
Magazine shifting safety device. A. O. Albin. 2,574,005, Nov. 6.
Magnetic centering device for cathode ray tubes. D. P. Ingle and S. L. Reiches. 2,574,039, Nov. 6.
Magnetic lens, especially for electron optical systems. L. Leitz. 2,574,115, Nov. 6.
Magnetic recording and reproducing. D. R. Christian. 2,574,207, Nov. 6.
Magnetic testing of elongated material. T. Zuschlag. 2,574,311, Nov. 6.
Mailbox bracket. E. H. Howard. 2,574,038, Nov. 6.
Making baskets. G. C. F. Brandes. 2,574,371, Nov. 6.
Making shot. M. J. Stutzman. 2,573,935, Nov. 6.
Manometric gas detector. A. H. Pfund. 2,573,870, Nov. 6.
Manufacturing colloidal inorganic oxide aquasols. H. S. Trail. 2,573,743, Nov. 6.
Manufacturing piezoelectric crystals free of conflicting modes of vibration. C. W. Franklin. 2,574,257, Nov. 6.
Marine oil well derrick foundation. H. C. Boschen. 2,574,140, Nov. 6.
Match book. M. S. Teller. 2,574,201, Nov. 6.
Mechanism for fabricating building sections. C. J. Bamford, Sr. 2,574,163, Nov. 6.
Metal casting apparatus. S. J. McCain. 2,573,857, Nov. 6.
Metal coating and oil finishing composition therefor. G. H. von Fuchs. 2,573,940, Nov. 6.
Metal coating process and oil finishing composition therefor. G. W. Waters. 2,573,882–3, Nov. 6.
Metal stencils, Making sintered. J. B. Brennan. 2,573,951, Nov. 6.
Meter: *See*—
Color and color difference meter. Fluid meter.
Micrometer gauge. C. E. Linn and P. H. Hummel. 2,574,402, Nov. 6.
Milking machine, Portable. J. R. Orelind. 2,573,927, Nov. 6.
Mirror, Dentist's. S. F. Lundgren and R. A. Olsen. 2,574,217, Nov. 6.
Mixing valve. R. E. Kirtley. 2,573,716, Nov. 6.
Mobile jack. J. D. Thress. 2,574,230, Nov. 6.
Model yacht. V. H. Wallenberg. 2,573,745, Nov. 6.
Moisture detecting apparatus. O. C. Hagan. 2,574,261, Nov. 6.
Mold: *See*—
Tire side wall mold.
Mold assembly. C. A. Nichols. 2,574,223, Nov. 6.
Motor: *See*—
Multitube mosaic reso-jet motor. Propeller pitch change motor.
Motor clockwork, Synchronous. E. A. Allen. 2,574,430, Nov. 6.
Motor device for control systems, Fluid-pressure. R. Leduc. 2,574,335, Nov. 6.
Mounting: *See*—
Angularly adjustable circular saw mounting. Bracket rod mounting.
Mounting for cutting torches. H. R. Gettys and R. P. Kissick. 2,574,100, Nov. 6.
Mouse trap. F. E. Fitzsimons. 2,574,322, Nov. 6.
Multiple tube gas triode inverter. C. C. Shumard. 2,574,068, Nov. 6.
Multitube mosaic reso-jet motor. J. Y. Dunbar and D. L. Herr. 2,573,697, Nov. 6.
Nail holding attachment for hammers. B. Vigil. 2,574,304, Nov. 6.
Needle actuating mechanism for circular knitting machines. R. E. Zeruneith. 2,573,782, Nov. 6.
Neutralizing the gum accelerating effect of copper in hydrocarbon fuel. A. C. Korte. 2,573,850, Nov. 6.
Nozzle. F. W. Ofeldt. 2,573,982, Nov. 6.
Nozzle, Acid metering and atomizing. M. E. Ryberg, H. W. Burney, and F. L. Joy. 2,573,731, Nov. 6.
Nozzle, Spray. R. L. Wymer, Jr. 2,574,003, Nov. 6.
Nut placing slotted-socket wrench. R. W. Senter. 2,574,352, Nov. 6.
1-acetoxy-1, 1-dicyano ethane, Preparation of. A. E. Ardis. 2,574,235, Nov. 6.
1-acetoxy-1, 1-dicyano ethane, Preparation of. A. E. Ardis and F. D. Stewart. 2,574,234, Nov. 6.
1-amino-2,3-dicyano-4-oxyalkylamino anthraquinones and preparing the same. V. S. Salvin and J. R. Adams, Jr. 2,573,732, Nov. 6.
1-amino-2,3-dicyano-4-oxyalkylamino anthraquinones, Producing. V. S. Salvin and J. R. Adams, Jr. 2,573,811, Nov. 6.
Operating internal-combustion engines and fuel therefor. G. W. Duncan. 2,574,321, Nov. 6.
Ophthalmic lens mounting including frame elements. E. M. Splaine. 2,574,197, Nov. 6.
Optical controlling or inspecting arrangement for verifying the cross sections of pieces with complex profiles. A. Mottu. 2,574,119, Nov. 6.
Oscillator frequency control. E. Toth. 2,573,742, Nov. 6.
Oscillograph-galvanometer. L. A. Thompson. 2,573,998, Nov. 6.
Oxidation of petroleum hydrocarbons. E. R. Woodward. 2,573,751, Nov. 6.
Packaging foodstuffs. W. A. Reed. 2,573,872, Nov. 6.
Paper clamp. C. K. Ku. 2,573,913, Nov. 6.
Paper tacking machine. H. Steinberg. 2,574,421, Nov. 6.
Parachute canopy release. E. E. Smith. 2,574,296, Nov. 6.
Parallel shank dual socket wrench. P. L. Huss. 2,574,212, Nov. 6.
Pebble heater apparatus. L. J. Weber. 2,573,747, Nov. 6.
Pen holder. C. A. Martin. 2,574,340, Nov. 6.
Pencil, Mechanical compass. L. G. Cherne. 2,573,760, Nov. 6.
Pest control using a sulfurized halogenated petroleum distillate. J. P. Buckmann. 2,573,953, Nov. 6.
Pesticidal composition comprising a zinc salt of petroleum sulphonic acids. A. Minich and M. Nowak. 2,573,862, Nov. 6.
Phonograph record envelope. S. W. McCart. 2,574,050, Nov. 6.
Phonograph stylus of small effective tip radius. E. F. McClain, Jr. 2,573,723, Nov. 6.
Phosphate glass. F. H. Mackenzie. 2,574,047, Nov. 6.
Photoelectric cathodes, Making. A. Sommer. 2,574,356, Nov. 6.
Photoprinting and developing apparatus, Automatic. V. Kunstädter. 2,574,215, Nov. 6.
Pickling. J. T. Mayhew. 2,574,049, Nov. 6.
Pigment complex, Including a reacted starch, Production of a. W. L. Craig. 2,573,677, Nov. 6.
Pin: *See*—
Pronged wire pin.
Pipe: *See*—
Smoking pipe.
Pipe joint. W. A. Abegg. 2,574,081, Nov. 6.
Pipe joint. A. A. Hickman, L. O. Henderson, and A. Patriacco. 2,574,182, Nov. 6.
Pipe nipple chuck. H. Weibel and A. J. Janik. 2,574,001, Nov. 6.
Pipe transfer apparatus. G. J. Kirchner. 2,573,848, Nov. 6.
Piston construction. V. C. Sterrett. 2,574,299, Nov. 6.
Pitch changing mechanism for stringed musical instruments. W. N. Gaut. 2,573,963, Nov. 6.
Pitch propeller, Variable. C. J. Green. 2,573,764, Nov. 6.
Plastel mixing machine. M. Bean, W. S. Touchman, and W. C. Bruckman. 2,574,238, Nov. 6.
Play pen. N. W. White. 2,574,079, Nov. 6.
Plow, Screw propelled. R. H. Singer. 2,574,353, Nov. 6.
Plow, Two-way. F. F. Heitzig. 2,573,969, Nov. 6.
Plow wheel and mounting. R. F. and D. B. McConnell. 2,574,051, Nov. 6.
Plug. C. E. Zimmerman. 2,574,160, Nov. 6.
Pneumatic bore gauge. M. L. Mennesson. 2,574,342, Nov. 6.
Pole straightener. J. H. Crowson. 2,574,248, Nov. 6.
Polyalkylated phenols, Hydrogenated. A. C. Whitaker and W. W. Weinrich. 2,574,078, Nov. 6.
Polyethylene glycol esters of acyloxycarboxylic acids. E. M. Filachione, M. L. Fein and C. H. Fisher. 2,573,701, Nov. 6.
Polystyrene composition, Plasticized. R. B. Seymour 2,574,439, Nov. 6.
Portable and emergency equipment for inductive carrier communication systems. E. W. Breisch. 2,574,167, Nov. 6.
Position and movement reproducing apparatus. R. P. Ireland. 2,574,104, Nov. 6.
Power take-off device. H. D. Breen and A. G. Kuellmar. 2,574,372, Nov. 6.
Power transmitting system, Telemeter type hydraulic. J. F. Ziskal. 2,573,943, Nov. 6.
Prefabricated artificial tooth retaining member. I. Neustadter. 2,573,804, Nov. 6.
Preparation and pyrolysis of saturated acetals of crotonaldehyde. R. H. Saunders. 2,573,678, Nov. 6.
Pretzel dough extruding and rolling machine. W. M. Young and L. B. Paules. 2,573,754, Nov. 6.
Privy, Ready built metal outside. G. C. Fulkerson and J. L. Johnson. 2,573,838, Nov. 6.
Process and machine for converting textile filaments. N. E. Klein. 2,573,717, Nov. 6.
Process of and batch for making amber glass. A. K. Lyle. 2,573,855, Nov. 6.
Processing sulfur-vulcanizable elastomer compounds. A. N. Gray. 2,573,707, Nov. 6.
Production of high electrostatic charges by self-excitation. R. Prochazka. 2,574,284, Nov. 6.
Projection photogrammetric plotting apparatus. E. Santoni. 2,574,123, Nov. 6.
Projection room wall. R. H. McCullough. 2,573,858, Nov. 6.
Pronged wire pin. D. I. Reiter. 2,573,809, Nov. 6.
Propeller pitch change motor. J. E. Anderson and A. N. Allen, Jr. 2,573,783, Nov. 6.

Prosthetic devices. M. D. Harris. 2,574,180, Nov. 6.
Protector: *See*—
Ear protector. Wallet protector.
Pruner, Snap cut. J. L. Smith. 2,574,354, Nov. 6.
Pulley and V-belt transmission, Variable-speed. G. O. Turnbull. 2,573,937, Nov. 6.
Pulverizer and roller combination, Tractor mounted. J. F. Gilreath. 2,574,385, Nov. 6.
Pump: *See*—
Fuel injection pump.
Pump jack. L. T. Bernard. 2,573,948, Nov. 6.
Pump or motor, Rotary. F. M. Weyer. 2,573,819, Nov. 6.
Purification of substances by microbial action. R. J. Strawinski. 2,574,070, Nov. 6.
Push or pull toggle clamp. J. Olson. 2,574,281, Nov. 6.
Pyrazines, Manufacture of. R. P. Germann. 2,574,324, Nov. 6.
Quick-release valve. T. R. Coggeshall. 2,574,377, Nov. 6.
Rack: *See*—
Floor rack. Smokehouse meat rack.
Rack for automobiles, Luggage. D. M. Cotton. 2,574,018, Nov. 6.
Rack, table, and leg rest, Combination magazine. D. E. Thompson. 2,574,425, Nov. 6.
Radar receiver sensitivity control system. A. L. Free and D. B. Hoffman. 2,573,762, Nov. 6.
Radiator fin for pipes. F. G. Buongirno. 2,574,142, Nov. 6.
Railroad track crib cleaning apparatus. J. B. McWilliams. 2,574,118, Nov. 6.
Rake means for tractors, Front end. J. J. Hoefer. 2,573,971, Nov. 6.
Ratchet spanner wrench. C. A. Szetela. 2,574,424, Nov. 6.
Rate measuring and comparing circuit. A. M. Grass. 2,573,840, Nov. 6.
Rayon cake package. D. C. Thompson. 2,573,816, Nov. 6.
Razor, Safety. J. E. Fisk. 2,574,176, Nov. 6.
Razor, Safety. W. J. Mitchell. 2,573,980, Nov. 6.
Rear-vision means for auto vehicles. J. H. Schroeder. 2,573,812, Nov. 6.
Receptacle: *See*—
Carrying receptacle.
Record-changing device for talking machines. L. Thévenaz. 2,574,071, Nov. 6.
Recorder with automatic time delay between reversals of record transport system. T. E. Lynch. 2,574,218, Nov. 6.
Recovering crystalline, cyanoacetic acid. A. C. Flisik and L. Nicholl. 2,574,256, Nov. 6.
Recovering hydrogen fluoride in an alkylation process. J. G. Allen. 2,574,006, Nov. 6.
Recovery of medicinal creosote. L. T. Sandborn. 2,573,990, Nov. 6.
Recovery of sterols. R. M. Christenson. 2,573,891, Nov. 6.
Reel: *See*—
Fish reel. Hose reel.
Refining petroleum hydrocarbons. A. Greentree and O. A. Hermanson. 2,574,434, Nov. 6.
Refrigerated display case. E. F. Brill and O. W. Schroeder. 2,574,242, Nov. 6.
Refrigeration apparatus, including defrosting means. F. W. Binder. 2,573,684, Nov. 6.
Refrigerator door latch: A Colonna. 2,574,244, Nov. 6.
Regulated current supply apparatus. D. E. Trucksess. 2,573,744, Nov. 6.
Regulator: *See*—
Electric load regulator.
Reinforcing insert for antidrip attachment for paint brushes. J. F. Kunau. 2,574,042, Nov. 6.
Relief valve. D. Ragland. 2,574,414, Nov. 6.
Remote control for radio receivers. R. B. Foster. 2,574,097, Nov. 6.
Rendering metal surfaces antiseptic and products therefrom. W. F. Ringk and S. K. Freeman. 2,574,225, Nov. 6.
Resuscitation apparatus. C. F. Eaton. 2,574,091, Nov. 6.
Ring: *See*—
Self-locking retaining ring.
Roadway with sound tracks and forming the tracks. F. J. Dofsen. 2,574,090, Nov. 6.
Rock plow or scarifier. A. W. Lindgren. 2,573,977, Nov. 6.
Rod clamp. C. W. Joy. 2,574,107, Nov. 6.
Rod packing. H. Callahan. 2,573,832, Nov. 6.
Rod packing for shock absorbers. M. Funkhouser. 2,574,209, Nov. 6.
Roll film camera attachment. W. C. Huebner. 2,574,392, Nov. 6.
Roll machine, Parker House. R. D. Hall. 2,573,708, Nov. 6.
Roller bearing drawer guide. B. M. Baker. 2,574,162, Nov. 6.
Roof and wall covering, Insulated. W. W. Westphal. 2,574,076, Nov. 6.
Rotary fluid brake. B. B. Burckhalter. 2,573,831, Nov. 6.
Rotary fluid coupling. G. R. Spaleny. 2,574,129, Nov. 6.
Roto-vibrator. J. U. F. Andersen. 2,574,082, Nov. 6.
Sacking device with pivotally mounted sack support. H. J. Schoon. 2,574,295, Nov. 6.
Safety device. M. O Souza. 2,573,997, Nov. 6.
Safety feed control device for oil burners. J. Dominic. 2,573,696, Nov. 6.
Safety ski binding. M. H. Cubberley. 2,573,955, Nov. 6.
Saliva ejector. A. W. Ward. 2,574,135, Nov. 6.
Sand distributor. J. Rome. 2,574,287, Nov. 6.
Sand feeder. R. L. Luce. 2,573,917, Nov. 6.
Sanding machine, Leather. H. Thede. 2,573,936, Nov. 6.
Sanitary pad support. E. R. Sutter. 2,574,133, Nov. 6.
Saw, Work holding portable circular. P. Schildknecht. 2,573,991, Nov. 6.
Scraper blade. G. G. McNamara, Jr. 2,573,921, Nov. 6.
Scraping, loading, and carry-off earth working machine. E. H. Lichtenberg. 2,573,720, Nov. 6.
Screen: *See*—
Chaff screen.
Screw cap with locking means. L. S. Bell. 2,574,239, Nov. 6.
Screw driver, Screw holding. A. U. Eslick. 2,574,026, Nov. 6.
Seal construction. N. S. Reynolds. 2,574,062, Nov. 6.
Sealing device for heat-sealing machines of the thermal impulse type. N. Langer. 2,574,095, Nov. 6.
Sealing means for an end-loading transit mixer or agitator. G. Jaeger. 2,574,184, Nov. 6.
Seat: *See*—
Folding wall seat.
Seat mount, Resilient. C. F. Peterson. 2,574,057, Nov. 6.
Seating furniture. E. S. Zeisel. 2,574,367, Nov. 6.
Sectional door. E. C. Fox and R. C. Strohacker. 2,573,962, Nov. 6.
Selector mechanism. W. J. Zenner. 2,574,138, Nov. 6.
Self-locking retaining ring. H. Heimann. 2,574,034, Nov. 6.
Self-unloading vehicle. W. B. Atkinson. 2,574,315, Nov. 6.
Separating the isomers of hexachlorocyclohexane. R. C. Campbell. 2,573,676, Nov. 6.
Separation of organosilicon materials. J. F. Hyde. 2,574,265, Nov. 6.
Separation of tall oil components. R. M. Christenson and R. E. Harpt. 2,573,890, Nov. 6.
Sequential pulse generator. C. C. Shumard. 2,573,813, Nov. 6.
Series distillation process. J. Loumiet et Lavigne. 2,574,116, Nov. 6.
Sewing machine. S. Erdelyi. 2,574,381, Nov. 6.
Shaker table for combines or threshers. T. N. Bjorndahl. 2,574,010, Nov. 6.
Shank grip, slidable jaw wrench. W. Sarvie. 2,574,227, Nov. 6.
Shaper for trousers. J. Mastrillo. 2,573,979, Nov. 6.
Shaving device, Electrical. E. G. Berg. 2,574,316–17, Nov. 6.
Shears for producing zigzag cuts. F. W. See. 2,574,066, Nov. 6.
Sheet metal hollow ware, Making. A. C. Scavullo. 2,573,737, Nov. 6.
Shield panty. E. R. Sutter. 2,574,132, Nov. 6.
Shipping case. J. R. Grant. 2,573,706, Nov. 6.
Shock absorber. R. M. Seddon. 2,574,420, Nov. 6.
Shoe sole straightener. J. D. Corrigan. 2,574,320, Nov. 6.
Shoes, Manufacturing welted. R. F. Wolfskill and J. Mellor. 2,573,752, Nov. 6.
Shortstopping an emulsion polymerization reaction with alkyl polysulfide. W. W. Crouch. 2,574,020, Nov. 6.
Shot magazine for pneumatic guns, Removable. W. S. Wells. 2,573,884, Nov. 6.
Shower bath curtain support. G. G. Porter. 2,573,985, Nov. 6.
Shower head. R. M. Grossman. 2,573,904, Nov. 6.
Shrimp peeling machine. F. S. Lapeyre and J. M. Lapeyre, III. 2,574,044, Nov. 6.
Shuttering for the construction of walls. W. McMullan. 2,574,274, Nov. 6.
Shuttle for wire-weaving looms. C. F. Wickwire. 2,573,820–1, Nov. 6.
Side dump for grain wagons. W. D. Karl. 2,573,714, Nov. 6.
Side wall for bicycle wheels and tires. W. G. Spencer. 2,573,996, Nov. 6.
Signal: *See*—
Delivery box signal.
Signaling apparatus, Audible electric. C. Miller. 2,573,924, Nov. 6.
Single pedal combination hydraulic and mechanical vehicle brake. W. J. Eye and C. W. Hull. 2,574,255, Nov. 6.
Sink and dishwashing cabinet, Combination kitchen. I. G. Guglielmoni. 2,573,965, Nov. 6.
Sintering apparatus. W. A. Hardin. 2,574,388, Nov. 6.
Sleeve type relief valve. A. F. Arnold. 2,573,680, Nov. 6.
Slicing machine. D. A. Meeker and E. A. Reussenzehn. 2,573,859, Nov. 6.
Sludge removing system. H. W. Hapman. 2,573,905, Nov. 6.
Smokehouse meat rack. J. O. Cadwallader. 2,574,319, Nov. 6.
Smoking pipe. J. E. Ayres. 2,573,822, Nov. 6.
Snap action switch. C. W. Wood. 2,574,429, Nov. 6.
Solution of a polymer of vinylidene cyanide in tetramethyl urea. A. E. Ardis. 2,574,369, Nov. 6.

Solvent concentration of vitamins. S. W. Gloyer. 2,573,902, Nov. 6.
Solvent extraction of vitamin A from fish liver oil. S. E. Freeman and S. W. Gloyer. 2,573,897, Nov. 6.
Solvent fractionation of glyceride oils. S. E. Freeman. 2,573,899, Nov. 6.
Spatula, Automatic gripping. A. M. Meyer. 2,573,922, Nov. 6.
Spray boom device. L. Browning. 2,574,206, Nov. 6.
Spreader device for selector devices. E. A. Gubisch. 2,574,102, Nov. 6.
Spreading device. F. K. Tarrant. 2,574,159, Nov. 6.
Sprinkler. M. R. Brock. 2,573,687, Nov. 6.
Sprinkler. J. E. Brodbeck and L. J. Kading. 2,573,786, Nov. 6.
Sprinkler. M. J. Holmes. 2,574,183, Nov. 6.
Stabilization of motor fuels. L. Schmerling and J. A. Chenicek. 2,573,933, Nov. 6.
Stabilizing ingredient for food products, Producing a. C. G. Harrel and R. O. Brown. 2,574,179, Nov. 6.
Stand: *See*—
Cigarette ash stand.
Stand with reflector and lamp, Smoking. J. Baay. 2,574,164, Nov. 6.
Staple forming and setting machine. A. Dutelle. 2,574,380, Nov. 6.
Stapling apparatus. J. W. Wiegner, E. T. Glida, J. H. Klasey, and B. E. Barnes. 2,574,202, Nov. 6.
Starter means for hydraulic devices. T. W. Moran. 2,573,864, Nov. 6.
Stator winding machine. H. P. Linders. 2,573,976, Nov. 6.
Steam generating apparatus. P. Arant. 2,574,368, Nov. 6.
Still. J. J. Piros and J. A. Glover. 2,573,807, Nov. 6.
Stirring device for cooking pans, Automatic. L. L. Fox. 2,573,837, Nov. 6.
Stirrup for orthopedic braces. E. C. Ellery. 2,573,698, Nov. 6.
Stoker control. W. A. Hare. 2,574,032, Nov. 6.
Stop for reciprocating member. W. J. Zenner. 2,574,137, Nov. 6.
Storage battery and protecting means therefor. C. H. Braselton. 2,573,829, Nov. 6.
Storage tank construction. J. T. Sparling. 2,573,995, Nov. 6.
Storm window. L. B. Bachelder. 2,573,681, Nov. 6.
Stove, Rotary fire-bowl barbecue. J. Saltzberg. 2,573,988, Nov. 6.
Strainer for food handling apparatus. G. B. Fox and D. B. Dickhart. 2,573,836, Nov. 6.
Straw mulcher, Wheeled rotary. A. and C. Schultz. 2,573,992, Nov. 6.
Substituted amino-nitroheterocycles and preparing the same. R. P. Parker and J. S. Webb. 2,574,155, Nov. 6.
Sulfating olefins. L. C. Rubin. 2,573,730, Nov. 6.
Sulfonation of alkyl aromatic hydrocarbons. H. S. Bloch and H. E. Mammen. 2,573,675, Nov. 6.
Sulfonyl halide manufacture. C. E. Adams and W. A. Proell. 2,573,674, Nov. 6.
Support: *See*—
Fender flap support. Shower bath curtain support.
Sanitary pad support. Yarn package support.
Suspender, Cranium. J. D. Phillips. 2,574,282, Nov. 6.
Sweetening process. J. W. Ryder. 2,574,122, Nov. 6.
Switch: *See*—
Centrifugal switch. Electrical wave guide switch.
Coupling-actuated magnetic switch. Snap action switch.
Electric switch.
Switch actuator, Electric. C. M. Christensen. 2,573,833, Nov. 6.
Switch for liquid cooled engines, Safety. L. Samuel. 2,574,192, Nov. 6.
Switch for tariff clocks. Multiple pole. E. Widmer. 2,574,308, Nov. 6.
Switch having one or more tubular contacts. A. Latour. 2,573,797, Nov. 6.
Switch with single actuator, Multiple unit. R. N. Rowe. 2,574,290, Nov. 6.
Swivel cap. N. T. Stoos, Jr. and J. Bondi. 2,574,422, Nov. 6.
Syringe, Hypodermic. M. L. Lockhart. 2,574,339, Nov. 6.
System for directional interchange of energy between wave guides and free space. R. E. Clapp. 2,574,433, Nov. 6.
System of photoelectric exposure control. K. Rath. 2,573,729, Nov. 6.
Table for box lidding machines, Nailing. H. D. Benson. 2,573,826, Nov. 6.
Tack strip. L. A. Marsden. 2,574,219, Nov. 6.
Tail brace. A. H. Daniel. 2,574,172, Nov. 6.
Tank for crude oil, Settling. D. H. Lewis, A. H. Hall, and J. E. Green. 2,573,853, Nov. 6.
Tape-dispensing device. A. P. Krueger. 2,573,911–12, Nov. 6.
Tape-dispensing device. A. P. Krueger. 2,574,332, Nov. 6.
Tape-dispensing machine. O. P. Erhardt. 2,574,175, Nov. 6.
Target operated taping machine. C. Hess. 2,574,181, Nov. 6.
Teat cup liner for milking machines. F. E. Richwine 2,574,063, Nov. 6.
Telegraph system. E. E. Kleinschmidt. 2,573,718, Nov. 6.
Telephone switching mechanism, Automatic. H. P. Boswau. 2,573,889, Nov. 6.
Telephone system. J. Wicks. 2,574,454, Nov. 6.
Television system. G. C. Szikiai. 2,573,777, Nov. 6.
Temperature change responsive means for controlling electric circuits. W. H. Ruffle. 2,574,419, Nov. 6.
Temperature control apparatus. G. T. Gaddis. 2,574,383, Nov. 6.
Temperature fusible plug for spraying apparatus. F. W. Ofeldt. 2,573,983, Nov. 6.
Temperature indicating device. W. C. Blinn and W. R. Bailey. 2,573,686, Nov. 6.
Test insertion for the checking of the correct shape of the inner and outer treading area of footwear. V. Pelant. 2,574,056, Nov. 6.
Thiocyanated derivative of tetrachlorobutane. H. L. Johnson and A. P. Stuart. 2,573,973, Nov. 6.
Three-dimensional mathematical demonstrator. F. P. Armstead. 2,573,946, Nov. 6.
Three-wheel automotive vehicle. W. S. Tandler, F. A. De Weiss, D. S. Walker, and J. L. Frering. 2,574,199, Nov. 6.
Throttle valve. F. L. Kallam. 2,573,712, Nov. 6.
Thyratron system of control. B. A. Knauth and P. H. Chin. 2,573,849, Nov. 6.
Tie section for connecting adjacent ladder scaffolds. T. C. North. 2,574,409, Nov. 6.
Time base circuits. A. H. A. Wynn. 2,574,365, Nov. 6.
Timepiece, Animated. H. Marmor. 2,574,048, Nov. 6.
Timing device. T. R. Arden. 2,574,314, Nov. 6.
Tire, Differential. S. Khalil. 2,574,267, Nov. 6.
Tire side wall mold. J. E. Collins and A. W. Douglas. 2,574,171, Nov. 6.
Tire, White sidewall. R. F. Wolf. 2,574,233, Nov. 6.
Tobacco stripper and grader. C. J. Green. 2,574,030, Nov. 6.
Tone generator. C. W. Larson. 2,573,975, Nov. 6.
Tool: *See*—
Machine tool. Valve repair tool.
Tool for forming and installing impressionable comminuted or plastic packing, Packing. E. E. Brown. 2,574,169, Nov. 6.
Torsion-rod means for holding grinding rollers in adjustable cooperation with opposing grinding elements. J. Moritz. 2,574,346, Nov. 6.
Torsional balance device. W. R. Jack and E. M. Brinker. 2,574,395, Nov. 6.
Totalizer selector means for computing and recording machines. A. C. Seymour. 2,573,934, Nov. 6.
Traction device for automotive tires. G. A. Grady and J. M. Walsh. 2,574,327, Nov. 6.
Trailer hitch. G. C. Mills. 2,574,276, Nov. 6.
Transmission. O. H. Banker. 2,574,431, Nov. 6.
Transmission. F. R. McFarland. 2,573,919, Nov. 6.
Transmitter receiver duplexing circuit for radar apparatus. A. J. Ortusi and P. Fechner. 2,574,055, Nov. 6.
Transmitter with message numbering, Telegraph. F. Warburton. 2,574,362, Nov. 6.
Trap: *See*—
Animal trap. Mouse trap.
Boiler feed trap.
Tray, Cutlery receptacle. H. C. Gessler. 2,574,099, Nov. 6.
Treating earth formations. P. H. Cardwell and P. D. Muir. 2,573,690, Nov. 6.
Treating nonfibrous cellulose film and resulting product. J. H. Daniel, Jr., C. G. Landes, and J. D. Pollard. 2,573,957, Nov. 6.
Treating nonfibrous cellulosic film and resulting product. J. H. Daniel, Jr., C. G. Landes, and J. D. Pollard. 2,573,956, Nov. 6.
Treatment of colored colloid layers. R. B. Collins, R. C. M. Smith, and O. E. Pratt. 2,574,243, Nov. 6.
Treatment of glyceride oils. S. E. Freeman. 2,573,896, Nov. 6.
Treatment of glyceride oils. S. E. Freeman. 2,573,900, Nov. 6.
Treatment of wood waste. E. Farber. 2,574,027, Nov. 6.
Trigger mechanism for double-barrel guns, Single. W. E. Garrison. 2,573,839, Nov. 6.
Trough, Sanitary hog. L. Dyrdahl. 2,574,174, Nov. 6.
Truck body for carrying bottle cases. B. G. Copping. 2,574,017, Nov. 6.
Truck, Emergency vehicle wheel. W. A. Pugh, Sr. 2,573,728, Nov. 6.
Truck, Fork lift. S. D. Lapham. 2,574,045, Nov. 6.
Trunnion support for attachments. H. L. Dalton. 2,574,250, Nov. 6.
Truss or beam for metallic building structures. J. S. Bobst. 2,574,241, Nov. 6.
Tube and circuit arrangement therefor, Electron discharge. R. Bonne, P. Cahour, and P. Grivet. 2,574,012, Nov. 6.
Tuning control. D. H. Mills and N. F. Martin. 2,573,801, Nov. 6.
Tuning fork structure. J. J. Murray, Jr. 2,574,188, Nov. 6.
Tunnel freezing apparatus and method. I. H. Polk. 2,573,725, Nov. 6.
Turbine apparatus. W. R. New. 2,574,190, Nov. 6.
Turkey caller. J. C. Malone, Sr. 2,573,856, Nov. 6.
Tussle mitten. F. A. Broderick. 2,574,086, Nov. 6.
Typesetting means in laundry marking machines. J. F. Anderson. 2,573,756, Nov. 6.

Unidirectional restraining device for a fastening cord. A. E. E. Paterson. 2,573,806, Nov. 6.
Universal formed metal door frame. J. F. Peelle. 2,574,350, Nov. 6.
Uranium tetrachloride, Manufacture of. M. D. Kamen. 2,574,268, Nov. 6.
Use of naphtha reflux. S. E. Freeman. 2,573,898, Nov. 6.
Valve: *See*—
Aircraft cooling valve.
Back pressure safety valve.
Distributing valve.
Flexible valve.
Fluid valve.
Mixing valve.
Quick release valve.
Relief valve.
Sleeve type relief valve.
Throttle valve.
Vulnerability valve.
Valve. M. R. Firth. 2,573,761, Nov. 6.
Valve. W. G. Wilson. 2,574,080, Nov. 6.
Valve assembly. T. Wheatley. 2,574,428, Nov. 6.
Valve assembly, Poppet. G. R. Rich. 2,574,120, Nov. 6.
Valve device, Telescopic. G. L. Rueg. 2,574,291, Nov. 6.
Valve for cooking utensil covers, Regulating. H. J. Lebherz. 2,573,719, Nov. 6.
Valve repair tool. H. Herzog. 2,573,790, Nov. 6.
Valve with built-in operating cylinder for pressure fluid operations. J. Heck. 2,574,262, Nov. 6.
Vapor control. C. D. Laidley. 2,574,151, Nov. 6.
Vaporizing pot type burner and pilot burner therefor. R. N. St. John. 2,574,358, Nov. 6.
Variable-speed torque converter. J. S. Voymas. 2,574,443, Nov. 6.
Vehicle: *See*—
Self-unloading vehicle.
Three-wheel automotive vehicle.
Vehicle brake diving control. J. Obert. 2,574,280, Nov. 6.
Veneer gauge. C. J. Stone, Sr. 2,574,300, Nov. 6.
Venetian blind. H. W. Ferguson and S. Schwartz. 2,573,700, Nov. 6.
Ventilated buffing wheel. V. L. Richards. 2,573,874, Nov. 6.
Ventilator. C. F. Aylesworth. 2,573,757, Nov. 6.
Ventilator for water craft. E. A. Roper. 2,573,986, Nov. 6.
Vibratory frequency standard apparatus. H. E. Warren. 2,574,136, Nov. 6.
Viscosity tester. A. G. Thomas. 2,574,359, Nov. 6.
Vulnerability valve. H. E. Rose. 2,574,416, Nov. 6.
Wallet protector. E. W. Du Fault. 2,574,023, Nov. 6.
Washer: *See*—
Egg washer.
Glass washer.
Washer and extractor, Combined. G. I. Cockerill and R. L. Archbold. 2,574,170, Nov. 6.
Watch movement center second hand drive. F. Meyer. 2,574,343, Nov. 6.
Water pistol with mechanism which discharges a succession of water shots. W. C. Casson. 2,573,954, Nov. 6.
Water treating apparatus and method. J. D. Walker and J. R. Sperry. 2,573,941, Nov. 6.
Wave-signal communication system. A. V. Loughren. 2,574,271, Nov. 6.
Wearing apparel and construction. E. J. Fleet. 2,573,871, Nov. 6.
Weather strip. C. P. Schlegel. 2,574,124, Nov. 6.
Weaving loop pile fabrics. F. P. Groat. 2,573,841, Nov. 6.
Web handling mechanism for multicolor printing presses. A. Weiss. 2,574,002, Nov. 6.
Wheel: *See*—
Buffing wheel.
Double-webbed rail wheel.
Ventilated buffing wheel.
Wheel and axle seal. H. W. Sanford and J. F. Baker. 2,573,735, Nov. 6.
Wind resolver. E. E. Libman and E. Lohse. 2,574,336, Nov. 6.
Window shade control. M. P. Zacharis. 2,574,366, Nov. 6.
Windshield, Rear. A. D. Gale. 2,573,789, Nov. 6.
Windshield wiper. F. W. Sampson. 2,574,294, Nov. 6.
Wire coating compositions. R. J. Anderson. 2,574,313, Nov. 6.
Wire line tensioning device. R. R. Crookston. 2,574,378, Nov. 6.
Wire-winding apparatus. H. F. Kennison. 2,573,793, Nov. 6.
Wood products and making. D. Chapman. 2,574,375, Nov. 6.
Woven fabrics, Making stretchable. M. C. Teague. 2,574,200, Nov. 6.
Wrench: *See*—
Dual wheel lug wrench.
Nut placing slotted-socket wrench.
Parallel shank dual socket wrench.
Ratchet spanner wrench.
Shank grip slidable jaw wrench.
Yarn carrier for knitting machines. J. S. Karl. 2,574,041, Nov. 6.
Yarn package support. T. K. Rea. 2,574,285, Nov. 6.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 6, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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93: 2,574,204
107: 2,573,931
143: 2,574,137
193— 5: 2,573,714
195— 3: 2,574,070
196— 21: 2,574,331
28: 2,573,726
2,574,445
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52: 2,574,247
2,574,449
73: 2,574,116
142: 2,573,751
147: 2,574,434
198— 9: 2,574,187
31: 2,573,848
233: 2,573,908
199— 43: 2,574,005
200— 6: 2,574,308
27: 2,574,380
51.09: 2,573,920
52: 2,573,895
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88: 2,574,093
98: 2,574,399
114: 2,574,400
2,574,401
118: 2,574,278
138: 2,574,192
148: 2,573,797
2,574,334
166: 2,574,134
202— 14: 2,573,906
153: 2,573,807
154: 2,573,727
170: 2,574,064
204— 29: 2,574,305
35: 2,574,225
188: 2,573,967
257: 2,573,788
206— 29: 2,574,201
46: 2,573,827
56: 2,573,828
2,574,152
2,574,405
59: 2,573,816
62: 2,574,050
75: 2,574,099
209— 81: 2,573,824
167: 2,573,865
318: 2,573,778
210— 16: 2,573,941
55: 2,573,905
61: 2,573,863
149: 2,573,836
211— 118: 2,574,319
214— 14: 2,573,907
44: 2,574,394
65: 2,574,315

24—	68: 2,573,726	260—	16: 2,574,057	282—	8: 2,573,712	299—	260: 2,574,497	271—	89: 2,573,649	299—	60: 2,573,957
	115: 2,574,026	269—	2: 2,574,104		6: 2,574,291		328: 2,574,444	272—	87: 2,573,698		2,574,159
	116: 2,574,025		6.45: 2,574,288		27: 2,574,084		370: 2,573,723	273—	11: 2,574,308		78: 2,573,955
	132: 2,573,983		41.2: 2,574,021		90: 2,574,235		2,573,733		55: 2,574,046		88: 2,573,731
	68: 2,574,113		41.11: 2,574,020		97: 2,574,089		2,573,811		141: 2,574,309		96: 2,574,356
	82: 2,574,211		41.13: 2,574,211		107: 2,573,943	297.2: 2,573,981			147: 2,573,914		107: 2,573,922
24—	15: 2,574,155	269—	2.5: 2,573,939		426.5: 2,573,939				152.2: 2,574,308		121: 2,574,009
25—	19: 2,574,070	282—	1: 2,573,970		2,573,940		2,573,939		160: 2,574,135		126: 2,573,994
	2,574,038		11: 2,573,709		2,573,994		2,573,940	274—	16: 2,574,071		2,574,004
	30: 2,574,443		63.7: 2,574,013		2,573,994		2,573,969		25: 2,573,728	284—	37: 2,573,986
26—	1: 2,573,705		67: 2,574,364		100: 2,574,047		443.2: 2,574,366	275—	2: 2,574,139		111: 2,574,051
	2.6: 2,574,288		68.5: 2,574,175		122: 2,574,040		2,574,369	277—	8: 2,573,718	289—	18: 2,573,917
	24.5: 2,574,105		72: 2,574,412		135: 2,574,109		443.6: 2,573,726		61: 2,574,264		37: 2,573,704
	44: 2,573,779		73: 2,573,933		304.6: 2,573,917		452: 2,574,365	279—	2: 2,573,938		2,574,161
	61: 2,574,316		97: 2,574,316		312: 2,573,743		454: 2,573,973		54: 2,574,137	294—	8: 2,573,740
	68: 2,574,152		100: 2,574,365		326: 2,573,770		460: 2,573,730	280—11.25:	2,573,965		39: 2,574,469
	69: 2,574,153		140: 2,574,370	283—29.15:	2,574,199		463.4: 2,574,364		12: 2,574,443	295—	3.6: 2,573,706
25—	1: 2,574,099	344—	53: 2,573,934	284—	1: 2,574,289		2,574,365		33.44: 2,574,276	300—	2: 2,574,273
	79: 2,573,954		54: 2,573,954		91: 2,574,286		2,574,366		42: 2,574,322		4: 2,574,269
	127: 2,574,381		102: 2,574,404		100: 2,573,977		484: 2,573,701		124: 2,574,280		36: 2,574,109
	206: 2,574,165		111: 2,574,420		173: 2,573,987		504: 2,573,736		130: 2,573,771	312—	318: 2,573,788
	517: 2,574,023	349—	36: 2,574,389	285—	31: 2,574,087		505: 2,573,975	154.5:	2,574,310	313—	70: 2,574,089
26—	61: 2,573,970		37: 2,574,441	286—	10: 2,574,082		520: 2,574,366	286—	16: 2,574,191		113: 2,573,775
	91: 2,574,168		146: 2,574,370	287—	73: 2,573,709		543: 2,573,974	47.2:	2,574,277	315—	6: 2,574,013
29—	1: 2,574,165		261: 2,574,073		202.10: 2,574,142	570.9:	2,574,180		93: 2,573,974		24: 2,574,346
	43.1: 2,574,015		280: 2,574,068	288—	60: 2,574,230		606: 2,574,078		120: 2,574,182		37: 2,574,245
30—	21: 2,573,688	350—	12: 2,574,045		109: 2,573,957		610: 2,573,947		140: 2,574,051		37: 2,574,000
33—	2: 2,574,189		20: 2,574,057		154: 2,574,238		613: 2,574,189	286—	8: 2,574,068	316—	20: 2,574,346
	82: 2,573,960		37: 2,573,813		161: 2,574,184		614: 2,573,678		16: 2,573,823	318—	28: 2,573,940
35—	40: 2,574,178		2,573,970	289—	19: 2,574,313		627: 2,573,988	287—	38: 2,574,230		162: 2,574,184
36—	68: 2,574,285		2,574,230		22.6: 2,573,940		631: 2,574,077		111: 2,574,248		248: 2,574,358
39—	22: 2,574,346		2,574,283		2,574,369		641: 2,574,325	291—	22: 2,574,227		331: 2,573,949
	33: 2,573,766		2,574,373		45.5: 2,574,439		648: 2,573,676	292—	167: 2,574,244	320—	21: 2,573,820
	45: 2,574,304		2,574,437		53: 2,573,886		2,574,168		226: 2,573,679	321—	18: 2,573,744
40—	20: 2,573,688		33.62: 2,573,746		60: 2,574,040		654: 2,573,686	294—	7: 2,573,922		26: 2,574,095
124—	2: 2,573,576		2,574,438		84.2: 2,574,020		663.4: 2,574,006		118: 2,573,957	323—	14: 2,574,207
260—	16: 2,573,579		33.63: 2,573,914		97.6: 2,573,680	293—	8: 2,573,977	295—	21: 2,574,233	343—	6: 2,574,271
264—	39: 2,573,994		2,574,376		151: 2,573,851	295—	19: 2,573,747		44: 2,574,734		12: 2,573,763
	61: 2,573,988		36: 2,573,743		217: 2,573,978	296—	20: 2,573,735	296—	2: 2,574,017		14: 2,573,734
	93: 2,574,145		2,574,126		220: 2,574,210		21: 2,574,238		55: 2,573,720	349—	17: 2,573,959
	2,574,232		2,574,226		223.5: 2,573,677		29: 2,574,100	297—	1: 2,573,686		
	122: 2,574,233		43: 2,573,570		226.1: 2,573,741		2,574,101	299—	37: 2,574,206		
265—	46: 2,574,023		53.6: 2,573,823		229: 2,574,224	297—	63: 2,574,420		86: 2,573,953		
	76: 2,574,383		2,573,969		266.5: 2,574,155	271—	35: 2,573,944		61: 2,573,796		

This list shows the correct classification of these patents wherein the classification given in the patent head has been changed.

2,573,677:	270—273.3	2,573,949:	318—331	2,573,997:	204—186	2,574,106:	220—51	2,574,223:	18—30	2,574,336:	73—406
2,573,694:	60—39.65	2,573,956:	156—33.3	2,573,974:	285—68	2,574,107:	35—33	2,574,228:	204—35	2,574,345:	241—256
2,573,709:	287—76	2,573,954:	264—54	2,573,981:	42—43.12	2,574,113:	50—307	2,574,239:	215—63	2,574,365:	315—24
2,573,710:	54—61	2,573,954:	109—42	2,573,983:	269—68	2,574,115:	175—21	2,574,251:	66—12	2,574,378:	123—406
2,573,714:	156—5	2,573,957:	204—115	2,573,988:	99—340	2,574,131:	214—115	2,574,269:	178—44	2,574,370:	183—31
2,573,724:	60—39.28	2,573,972:	99—172	2,573,990:	260—63.6	2,574,145:	33—11	2,574,280:	10—122	2,574,377:	137—144
2,573,726:	157—16	2,573,994:	253—73.5	2,574,000:	315—37	2,574,150:	200—570.9	2,574,277:	285—47.2	2,574,383:	236—78
2,573,744:	221—18	2,573,994:	280—136	2,574,008:	289—121	2,574,163:	144—3	2,574,281:	30—284	2,574,388:	206—21
2,573,748:	181—.5	2,573,918:	128—173	2,574,009:	66—41	2,574,166:	222—326	2,574,282:	128—75	2,574,389:	155—174
2,573,762:	343—12	2,573,922:	294—7	2,574,014:	24—111	2,574,177:	20—.5	2,574,287:	301—22	2,574,398:	273—141
2,573,784:	222—37	2,573,923:	128—182	2,574,025:	200—86	2,574,196:	236—2	2,574,288:	43—42.09	2,574,415:	70—100
2,573,822:	73—141	2,573,927:	119—14.4	2,574,038:	346—289	2,574,212:	81—61	2,574,315:	214—65	2,574,426:	155—41
2,573,837:	269—168	2,573,949:	260—32.6	2,574,040:	200—69	2,574,216:	242—97	2,574,326:	273—152.2	2,574,428:	251—96
2,573,862:	251—167	2,573,952:	160—192	2,574,102:	178—33	2,574,220:	259—65				

Classification of Designs

D 1—12:	Des. 165,051	D 3—28:	Des. 165,096	D15— 6:	Des. 165,066	D45— 1:	Des. 165,045	D56— 9:	Des. 165,094	D72— 1:	Des. 165,051
D 2— 3:	Des. 165,051		Des. 165,097	8:	Des. 165,077	4:	Des. 165,060	D57— 1:	Des. 165,043		Des. 165,097
	10: Des. 165,112		Des. 165,113		Des. 165,078	D48—20:	Des. 165,127		Des. 165,079	D74— 1:	Des. 165,056
	11: Des. 165,049		Des. 165,121	D21— 6:	Des. 165,064	28:	Des. 165,095	D58— 6:	Des. 165,122	D60— 9:	Des. 165,063
	13: Des. 165,054	D 5— 4:	Des. 165,074	D29—23:	Des. 165,047	27:	Des. 165,120	9:	Des. 165,108	D65— 2:	Des. 165,044
	16: Des. 165,098	D 7— 7:	Des. 165,115	D33— 3:	Des. 165,118	D62— 1:	Des. 165,080		Des. 165,110	D66—10:	Des. 165,124
	28: Des. 165,099		Des. 165,116		8: Des. 165,114		Des. 165,117	26:	Des. 165,072	D67— 2:	Des. 165,123
	Des. 165,100	D 9— 2:	Des. 165,109	D34—15:	Des. 165,070	D64— 2:	Des. 165,085		Des. 165,073	D68— 3:	Des. 165,081
	Des. 165,101	D10— 3:	Des. 165,119		Des. 165,071	D65— 1:	Des. 165,059	D62— 4:	Des. 165,089	D69—20:	Des. 165,088
	Des. 165,102	D12— 1:	Des. 165,089	D35— 3:	Des. 165,125		Des. 165,082		Des. 165,093	D68— 3:	Des. 165,082
	Des. 165,103	D14— 6:	Des. 165,067	D39— 1:	Des. 165,046	D66— 4:	Des. 165,049		Des. 165,096		
	Des. 165,104		Des. 165,111	D42— 8:	Des. 165,087	9:	Des. 165,090	D64—11:	Des. 165,086		
	Des. 165,105	20:	Des. 165,083	D44— 9:	Des. 165,075		Des. 165,091	D67— 3:	Des. 165,085		
	Des. 165,106	D15— 1:	Des. 165,052		Des. 165,076		Des. 165,092	D71— 1:	Des. 165,084		
	Des. 165,107		Des. 165,068	29:	Des. 165,055		Des. 165,093		Des. 165,126		

U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business October 19, 1951

Total number of patent applications awaiting action, 106,969. Date of oldest new application, November 29, 1950; date of oldest amended application, November 29, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	11-29-50	11-30-50	2209
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	2-13-51	2-1-51	1213
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-2-51	2-26-51	1552
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	12-28-50	12-28-50	1998
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	3-9-51	3-8-51	981
6. SURLE, H., Carbon Chemistry (part)	1-23-51	1-23-51	1900
7. GONSALVES, J. E., Optics; Photography (part)	2-10-51	2-12-51	1316
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-10-51	1-8-51	1878
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	1-8-51	1-8-51	1570
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	12-29-50	12-29-50	1215
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	1-30-51	1-19-51	995
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-25-51	1-25-51	1106
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	1-11-51	1-10-51	1208
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	1-2-51	1-3-51	1625
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-7-51	3-8-51	1287
16. LOVEWELL, N. N., Television, Telephony	12-26-50	12-21-50	1299
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	12-21-50	12-21-50	1626
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-8-51	1-8-51	1496
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-22-50	12-18-50	1166
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	12-21-50	12-21-50	1482
21. MADER, R. C., Textiles	12-8-50	12-8-50	1503
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	12-26-50	12-26-50	1239
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-21-50	12-21-50	852
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-1-51	2-20-51	1703
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	1-18-51	1-17-51	1443
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	12-20-50	12-20-50	1205
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	11-30-50	11-29-50	2227
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-20-50	12-23-50	1578
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-5-51	1-4-51	1595
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	2-19-51	2-19-51	1556
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-14-51	2-6-51	1908
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	1-3-51	1-2-51	1321
33. MUSHAKE, W. 1., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	1-24-51	1-13-51	2205
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	1-10-51	1-10-51	1267
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	12-20-50	12-19-50	1656
36. McFADYEN, A. D., Measuring and Testing	12-9-50	12-5-50	1347
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	2-9-51	2-9-51	1278
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	2-9-51	1-30-51	1353
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	2-2-51	2-1-51	2017
40. DRUMMOND, E. J., Receptacles (part); Packages	1-2-51	1-2-51	2667
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-23-50	12-22-50	1261

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 106,969. Date of oldest new application, November 29, 1950; date of oldest amended application, November 29, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	12–21–50	12–22–50	1461
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	3–19–51	3–1–51	1045
44. HARVEY, L. P., Beds; Chairs, Seats	12–22–50	12–21–50	1517
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	12–14–50	12–7–50	1631
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	1–31–51	1–8–51	1004
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	1–4–51	1–9–51	1487
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	12–13–50	12–15–50	1442
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	1–2–51	1–2–51	1629
50. LEVIN, S., Synthetic Resins	4–18–51	3–23–51	1512
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	12–22–50	12–22–50	1099
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	12–20–50	12–20–50	2394
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	1–5–51	1–5–51	1160
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	1–2–51	12–29–50	1650
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	2–16–51	2–23–51	1113
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	2–2–51	2–1–51	1648
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	2–2–51	1–16–51	1791
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	12–29–50	1–5–51	1241
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	1–17–51	1–11–51	1290
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12–27–50	12–29–50	1183
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	12–21–50	12–18–50	1478
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	1–11–51	1–3–51	1506
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	2–5–51	2–9–51	1688
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	3–8–51	3–6–51	1830
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	1–20–51	1–20–51	1550
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	12–19–50	12–9–50	1213
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	2–2–51	1–22–51	1353
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	12–29–50	12–26–50	1761
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	12–27–50	12–22–50	1407
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	12–21–50	12–20–50	1664
DESIGNS: A. BREHM, G. L., Industrial Arts	6–6–51	6–4–51	929
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	6–4–51	6–5–51	839

Total number of trade-mark applications awaiting action (including renewals and republications), 17,205. Date of oldest new application, March 15, 1951; date of oldest amended application, March 15, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	3–15–51	3–15–51	5255
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	4–16–51	4–9–51	3481
Renewals (All Classes)	8–10–51	9–13–51	582
Republications (All Classes)	8–29–51	9–13–51	203
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	3–22–51	3–22–51	4198
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	4–3–51	3–23–51	3486

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SIMPSON ET AL. *v.* NERACHER ET AL.
SIMPSON ET AL. *v.* PATTERSON ET AL.
SIMPSON ET AL. *v.* MAURER
MAURER *v.* SIMPSON ET AL.

Nos. 5793, 5794, 5795, 5796. Decided June 26, 1951. Petition for rehearing denied September 28, 1951

[— F.2d — ; — USPQ —]

1. INTERFERENCE—RIGHT TO MAKE COUNT—"MEANS" MAY INCLUDE NUMBER OF ELEMENTS.
Rule restated that a "means" for performing any function includes all of the elements contributing to such performance, regardless of the number and kind of such elements.

2. SAME—SAME—TERMS OF COUNTS GIVEN BROAD INTERPRETATION.
Held that since, in interferences between applications, the terms of unambiguous counts are given the broadest interpretation of which they are reasonably capable, the appellant's contention that the counts should be interpreted in the light of his disclosure is untenable.

3. SAME—SAME—CANNOT READ LIMITATIONS INTO COUNT.
The contentions on the appellant's behalf could be sustained only by reading into the count a number of specific limitations which he did not see fit to express therein, and this the court may not properly do.

4. SAME — PRIORITY OF INVENTION — VARIABLE SPEED TRANSMISSION.
The decision of the Board of Interference Examiners awarding priority of invention of the counts in Interference No. 81,090 to appellee is affirmed.

5. SAME—RIGHT TO MAKE COUNT—GENERAL PRINCIPLES OF LAW TO BE APPLIED.
Certain principles of law and practice governing the determination of priority in interference proceedings restated, such as: (*a*) the counts normally are given the broadest interpretation of which they are reasonably capable; (*b*) limitations clearly expressed may not be disregarded; (*c*) where only applications are involved, the burden rests upon a junior party to establish priority, including matters ancillary thereto, by a preponderance of evidence; (*d*) concurring decisions in the Patent Office, particularly in cases involving technical questions, will not be disturbed except on clear showing of error; and (*e*) the burden rests upon a party appealing to convince the courts of error.

6. SAME—SAME—WORDS GIVEN NORMAL MEANING IN ART.
Rule restated that the meaning of limitations must be determined by the normal meaning of the words in which such limitations are expressed, as those words are used in the art involved.

7. SAME—PRIORITY OF INVENTION—POWER TRANSMISSION SYSTEM.
The decision of the Board of Interference Examiners awarding priority of invention of the counts in Interference No. 82,596 to appellee is affirmed.

8. SAME—RIGHT TO MAKE COUNT—*Osborne* v. *Patterson et al.* CONSTRUED.
Held that the doctrine of *Osborne* v. *Patterson et al.*, 36 CCPA 719, 169 F.2d 817, 616 O. G. 1117, applies to a situation where two distinct elements functioned to obtain one result, but a different situation exists where one element would be employed to obtain two results requiring a "double reading" of the single element to satisfy the count.

9. SAME—SAME—INTERPRETATION RENDERING CLAIMS INDEFINITE NOT PROPER.
One is not entitled to make counts which, as claims, would be rejected in an application for lack of definiteness under R. S. 4888, and thereby take such counts admittedly allowable to another applicant from that applicant.

10. SAME — PRIORITY OF INVENTION — VARIABLE SPEED TRANSMISSION.
The decision of the Board of Interference Examiners awarding priority of invention of the counts 1 to 6 in Interference No. 82,600 to appellee is reversed.

11. SAME—SAME—SAME.
The decision of the Board of Interference Examiners awarding priority of invention of count 7 of Interference No. 82,600 to the parties Simpson et al. is affirmed.

APPEAL from Patent Office. Interference No. 81,090, Interference No. 82,596, Interference No. 82,600.

MODIFIED.

Benton Baker (*Edward C. Gritzbaugh* of counsel) for appellants Simpson et al., in Appeals Nos. 5793, 5794, 5795, and for appellees Simpson et al., in Cross Appeal No. 5796.

Sidney A. Ochs (*Charles M. Thomas* of counsel) for appellees Neracher et al., in Appeals Nos. 5793, 5794, 5795, and for appellant Maurer in Cross Appeal No. 5796.

GARRETT, *Chief Judge*:

These are interference cases relating to power transmission systems for motor vehicles which, because of the similarity in subject matter and the identity of the respective assignees, were heard together by the Board of Interference Examiners of the United States Patent Office.

From the three decisions of the Board, separately rendered, appeals were taken to this court, Appeal No. 5796 being in the nature of a cross-appeal.

By stipulation of counsel for the respective parties in interest, a consolidated transcript of the record was presented with the appeals to us.

It appears that Borg-Warner Corporation, of Chicago, Illinois, is the assignee of the three Simp-

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son et al. applications and Chrysler Corporation, of Detroit, Michigan, is the common assignee of the adversary applications.

Separate briefs and oral arguments were presented before us by counsel for the respective parties, and in the last two cases involving the cross-appeal separate briefs were filed and separate arguments were heard.

The application of Simpson et al. is entitled "Automatic Transmission and Control System Therefor"; that of Neracher et al. "Power Transmission"; and that of Maurer "Power Transmission."

While, as has been indicated, there is a broad resemblance of subject matter, the issues require separate decisions.

Appeal No. 5793, Interference No. 81,090

This interference relates to a mechanism for power transmission in motor vehicles, wherein a countershaft transmission works into a planetary transmission and a system is provided for controlling the shifts between the two positions incident to both of the respective power transmission units.

The interference was originally declared August 26, 1943, between the application of Simpson et al., filed July 19, 1941, and that of Neracher et al., filed January 16, 1941. As then declared, it embraced two counts, but after various proceedings in the Patent Office, which need not be recited in detail, the interference was reformed and redeclared on December 16, 1946, with only a single count which reads:

1. A variable speed transmission comprising a countershaft type unit and a planetary type unit in tandem, each of said units providing a first and a second ratio, means for effecting shifts from one ratio to another in the countershaft type unit, means for effecting shifts from one ratio to another in the planetary unit, said first ratios of said units being combinable to produce a low transmission speed, said first ratio of the countershaft unit being combinable with said second ratio of the planetary unit to produce an intermediate transmission speed, said second ratio of the countershaft unit being combinable with said first ratio of the planetary unit to produce a higher intermediate transmission speed, said second ratios of the two units being combinable to produce a high transmission speed, and means for automatically operating the two said shifting means to effect shifts from the low speed to the high speed through alternatively either of the intermediate speeds, governor means for controlling the operating means, and manual means for controlling the effectiveness of the governor.

We follow the example of the Board of Interference Examiners and hereinafter usually refer to Simpson et al. as Simpson and Neracher et al. as Neracher.

The count corresponds to claim 44 of the Simpson application and to claim 95 of Neracher. Simpson was in a position to and did oppose the action of the Primary Examiner in making the claim a count in the interference, insisting that Neracher did not disclose the subject matter, but the Primary Examiner overruled the insistence, and adhered to his position in a second decision rendered upon request for reconsideration.

Normally, it was incumbent upon Simpson as the junior party to establish priority by a preponderance of the evidence, but all the dates alleged by him in his preliminary statement were subsequent to the filing date of the application of Neracher and, therefore, he was placed under order to show cause why judgment should not be entered against him upon the record. He responded with a motion to dissolve the interference on the ground that Neracher had no right to make the count. That, which is ancillary to priority, was the sole question before the Board of Interference Examiners and is the sole question before us.

The devices of the respective parties as entireties are quite complicated. The application of Simpson contains 11 sheets of drawings embracing twenty-four figures, two of which figures were amended after the application had been filed, and the application of Neracher has thirteen sheets of drawings embracing thirty-eight figures. In both the numerals indicating particular parts are very numerous, and we have experienced some difficulty in visualizing the mechanism.

As stated in the brief for Neracher, the fact question presented by the appeal "involves Neracher's right to make an issue count directed to an automatic transmission comprising correlated mechanical and hydraulic structures with complex electrical circuit controls • • •."

In the brief for Simpson it is said:

> The subject-matter in interference relates to variable speed transmissions, that is, in the case of an automobile, that part of the mechanism through which changes in speed of the vehicle are effected. While in this case the transmission is called automatic, actually it is semi-automatic. This is so because a manual operation is necessary. This is an operation of what is commonly known as accelerator pedal or throttle control.
>
> The Simpson application, in which the interference count originated, discloses a transmission, which is interposed between a driving or input shaft (the shaft which is driven from the engine of the automobile) and a driven or output shaft (the shaft from which the rear wheels of the automobile are driven). This transmission • • • includes two units, one a countershaft unit; the other a planetary unit. These units are arranged in tandem, that is, one ahead of the other.
>
> The arrangement is such that five forward speed ratios can be obtained, (1) low, (2) second, (3) second overdrive, (4) direct, (5) direct overdrive. There is also a reverse speed ratio, but that is not involved here. Low, second, and direct are provided in the countershaft unit; direct and overdrive are provided in the planetary unit. The overdrive speed ratios differ from the others chiefly in that the output speed is faster than the input speed; the direct ratio being 1–1, and low and second (underdrive) ratios, less than that.

The brief then describes, in great detail and with the use of many numerals to designate parts, the manner in which the different forward speed ratios can be obtained. This need not be repeated in extenso.

The low speed ratio is not mentioned in the count. The brief states that it and the second speed ratio are obtained by a manual operation or hand shifting of gears in the countershaft unit, and, according to the brief:

> • • • the other speed ratios are obtained by power operations as the result of the operation of certain switches by a governor responsive to the speed of the vehicle, at the will of the operator upon manipulation of an accelerator pedal or foot throttle control.

The following is taken from the decision of the Board:

> • • • the device covered by the count is a transmission gearing for automotive vehicles consisting of two types of change gearing in tandem whereby several combinations yielding a plurality of overall gear ratios is available.
>
> The invention, however, goes beyond merely providing two gear boxes with a shifting lever for each. The real purpose of the invention is to provide a power operated shifting arrangement under the control of the operator but requiring during as much of the normal continuous forward driving of the vehicle as possible only manipulation of the accelerator pedal, thus freeing the other limbs of the operator from engaging in manipulative activities to produce the required shift of gears. An objective, therefore, is to avoid using a hand lever to shift gears during this phase of driving. To this end power devices are provided to move the shiftable elements of the gear units and these power devices are controlled as to whether any one of them may act by devices responsive to the speed of the vehicle so that, in general, the gear ratio called into action will be suitable to the speed. However, in order that the operator may select alternative intermediate gear ratios and to have some control over the time of making some of the shifts, the accelerator pedal is related electrically to the control system (as also is a clutch pedal in Neracher), and mechanically to the control and shifting devices by taking into account its normal effect on the motor speed, so that the operator may dominate or suppress the primary, or speed responsive controls and impress his choice upon the machine. This much is clearly common to the disclosures of both parties. The manner in which it is accomplished by the parties differs in considerable amount of detail. In order to understand precisely how it is accomplished requires carefully following out this detail. This we have done.

The Board also said, in substance, that the first part of the count, reciting the two types of gear ratio shifting units for both the countershaft and planetary units together with means for effecting the shifts in each of the units, was not in question and that the basis of the dispute resides in the last clause of the count which it quotes and which we repeat:

> • • • and means for automatically operating the two said shifting means to effect shifts from the low speed to the high speed through alternatively either of the intermediate speeds, governor means for controlling the operating means, and manual means for controlling the effectiveness of the governor.

With respect to the clause so quoted, the Board expressed the view that:

> • • • [it] was apparently designed to cover mechanism by which shifts from the lowest speed of the combined units to the highest speed of the combined units may be made to take place under power actuation but at the selection of the operator through either of two possible intermediate gear ratios.
>
> Although as we have stated the systems of the two parties differ in quite a number of details they have in common that the mechanical movement of the change in gearing is power actuated, that the power actuating elements are conditioned for operation by mechanism responsive to the speed of the vehicle (of the fly-ball governor type in both applications) and that the actual operation of the shiftable elements is tied in with the operation of the accelerator pedal by means of a switch or switches, so that the selection of the time and manner of shift is, within predetermined speed ranges, under control of the operator of the vehicle.

No error is assigned in the reasons of appeal as to the Board's holding respecting the first part of the count.

The specific contentions before us on behalf of Simpson are, as they were before the Board:

> [a] That Neracher's disclosure does not include means for operating the "two said shifting means to effect shifts from the low speed to the high speed through alternatively either of the intermediate speeds," as defined in the count.
>
> [b] That Neracher's disclosure does not include "governor means for controlling the operating means," as defined in the count.
>
> [c] That Neracher's disclosure does not include "manual means for controlling the effectiveness of the governor," as defined in the count.

It is observed that all these elements are required by the last clause of the count, supra.

In its opinion the Board directed attention to its decision, which was affirmed by us, in the case of *Osborne* v. *Patterson et al.*, 36 CCPA (Patents) 719, 169 F.2d 817, 79 USPQ 72, 616 O. G. 1117, wherein there was involved subject matter similar in many respects to that here involved. The parties in interest there were the same as those here; viz., Borg-Warner Corporation and Chrysler Corporation, and as stated by the Board "the same type of claim terminology raising the same problem of interpretation is involved, and some of the same arguments urged there are again urged in connection with the issue here."

In our decision in that case we gave the following description of the subject matter based upon the particular count there analyzed:

> [The] count defines a transmission structure comprising a combination of a countershaft type transmission with two forward speeds. Those transmissions are conventional and well known in the automotive art. The novelty which is said to be here involved is in the providing of mechanism to make possible and to effectuate the bringing into operation of sequences of combinations of the transmission's speed or gear positions in the ordinary operation of the structure. The novel parts of the combination in the structure are recited in the count as "automatically controlled means" and a "manually operated overcontrol means." The automatically controlled means is made effective by being responsive to conditions obtaining in the structure, and the manually operated overcontrol means is such that it will supersede the automatically controlled means by manual operation.

In the decision in the instant case the Board followed the interpretation placed upon the counts in that case insofar as such interpretation is here pertinent, and there is no specific assignment of error covering the action of the Board in the reasons of appeal. The brief for Simpson does dwell at some length upon certain differences in structure between the Simpson and Neracher devices—an important phase of the controversy upon which we hereinafter comment.

Practically the only interpretation made by the Board in its consideration of the three specific contentions on behalf of Simpson hereinbefore recited related to the term "automatically," with which the Board said it was confronted at the outset. It said inter alia:

> • • • The adverb "automatically" derives from the adjective "automatic" which etymologically and in *original* [italics ours] usage meant a device or thing which was responsive to certain changes in conditions and reacted in accordance therewith to produce or exhibit certain motions. The words therefore implied both *self-sensing and self-moving*. [Italics quoted.]

The Board then recited, upon the authority of different lexicographers, including Webster's New International Dictionary, Second Edition, that "automatic" has come to have a much broader meaning than that attaching to it in its earlier usage, and, after citing *Ex parte Rhoades*, 1923 C. D. 129, 317 O. G. 755, states that it is usual ex parte practice to ignore the word "when it occurs in a means clause and to evaluate the claim as if it were not there." The Board expressed the view that the Examiner did that in the instant case, and thereafter, saying, in substance, that the words "automatic" and "automatically" appear to be used in both the restricted and the broad sense by both contestants here, declared:

> If we are compelled to give a meaning to the word, it is our view that it should be read as "automotive." In this reading, or even if the word be ignored, the concluding clauses would quite logically divide the controlling and actuating elements into those which furnished the power for the shift, under the clause "means for automatically operating . . .; those for sensing the speed condition under the clause "governor means . . .; and those for enabling the operator to exercise control under the clause "manual means . . ." The first of these clauses reads upon the Neracher device, which has separate two position fluid pressure motors for each of the two change gear units. The change of position of one such motor while the other remains inactive produces one or the other of the two intermediate overall gear ratios. Simultaneous shift by the two motors is not contemplated and does not

appear to be possible. The control apparatus does, however, provide for the selection of either of the intermediate gear ratios. This is accomplished either in the shiftup or shiftdown by operation of the accelerator pedal to actuate a snap switch associated with it, which has for its purpose the substitution of the combination of "direct" drive in the countershaft unit with "direct" drive in the planetary unit, referred to as "overall direct," as intermediate speed in place of "second" in the countershaft unit and "overdrive" in the planetary unit, referred to as "overdrive-second." Although this alternative is explicitly mentioned by Neracher only with respect to downshifting, it is clear that it is inherently operative also in upshifting as recited in this clause. The selection of alternatives is not wholly at the caprice of the operator it is true, because of limitations imposed by the speed responsive system. This, however, is also true of Simpson's device.

The correctness of the Board's interpretation of the terms "automatic" and "automatically" is not challenged by any specific assignment of error. If Simpson's assignee believed it to be erroneous, we assume that it would have been challenged specifically and directly by such an assignment and that reasons would have been given as to why it was deemed erroneous. As we view it, the interpretation so made is, in a sense, basic to applying to Neracher that feature of the count reading "means for automatically operating the two said shifting means to effect shifts from the low speed to the high speed through alternatively either of the two intermediate speeds." Under the interpretation given, it seems clear that no error in applying it was made by the Board.

With respect to that feature in the last clause of the count reading "governor means for controlling the operating means," it appears to be the position taken on behalf of Simpson that it must be read in connection with the succeeding provision for "manual means for controlling the effectiveness of the governor" and that when the two are considered together it is meant that "the 'governor means' is limited to a single governor; otherwise, the expression 'the governor' would be inapt." This argument is made in connection with the contention that the count should be interpreted and applied in the light of the disclosure of the Simpson application where it originated, it being stated that Simpson discloses but one governor.

[1] A question similar in principle was involved before us in the case of *Osborne* v. *Patterson et al.*, supra, and we there said:

> • • • It has been held many times in this and other courts that a means for performing any function includes all of the elements contributing to such performance, regardless as to the number or kind of such elements.

We there cited *Mantz* v. *Kronmiller*, 35 CCPA (Patents) 1189, 168 F.2d 100, 77 USPQ 628, 614 O. G. 18.

It is contended on behalf of Simpson that the instant controversy relates to means different in purpose from the means involved in the *Osborne* v. *Patterson et al.* case, supra. That may be true, but, as we view it, the principle involved is the same in both cases.

[2] With respect to the contention that the count should be interpreted in the light of the Simpson disclosure the position taken on Simpson's behalf impresses us as being somewhat illogical in that it is said in the brief:

> While the count under consideration, on its face, is not ambiguous but clear and concise, when interpreted as the Primary Examiner and the Board have interpreted it, it plainly becomes ambiguous.

The interpretation by the Board recited supra related only to the meaning of the words "automatic" and "automatically." That interpretation, we may repeat, was not challenged by an assignment of error. There was no challenge of the Board's holding to the effect that both Simpson and Neracher used the terms in their respective applications in both a restricted sense and a broad sense. We fail to discern how stating the meaning of a term in phraseology as to which there is no apparent disagreement renders ambiguous a count normally "clear and concise." Of course, in the absence of ambiguity, the rule is that the terms of a count are given the broadest interpretation of which they reasonably are capable. In practice, this rule seldom is departed from except in some cases where a patent is involved in the interference.

The third and last element of the final clause of the count, as has been stated, is couched in the phraseology "manual means for controlling the effectiveness of the governor." The Board, evidently drawing upon Simpson's specification, or upon the view of the Primary Examiner, says that this:

> • • • relates to the interaction of the foot pedal through associated switching mechanism and through its effect on the relative motor speed to enable the operator to overcontrol the speed responsive system and determine the selection of the shift.

It held the element to be "clearly supported by Neracher."

This holding is challenged vigorously by Simpson, but the challenge is predicated upon limitations not present in the count. That Neracher discloses means which performs the function defined virtually is conceded but it is not the same type of means as that upon which Simpson is asserted to rely.

Another of the several allegations in the brief for Simpson is that "the Board improperly applied the doctrine of inherent disclosure." It is said by way of arguing this point that the Board "has gone so far as virtually to reconstruct the structure of the Neracher application and improvise its operation, in the light of Simpson's disclosure."

The only reference we find to inherency in the decision of the Board is in that portion hereinbefore quoted relating to the upshifting of the accelerator pedal "to actuate a snap switch associated with it."

We do not find any challenge on the part of Simpson of the accuracy of that statement and we do not regard the decisions cited in the argument upon this point pertinent to the facts of this case.

It appears to us that reconstruction of the count is sought on behalf of Simpson rather than on behalf of Neracher.

[3] It seems obvious to us that here an effort is made to have us substitute a count for the count which actually is involved and test Neracher's right by the substituted count rather than by the actual one. In any event, as we view the case, the contentions on Simpson's behalf could be sustained only by reading into the count a number of specific limitations which he did not see fit to express therein. This we may not do. No citation of authority for this familiar legal principle is necessary.

Simpson by his claim 44, to which the count corresponds, sought to obtain, as was his privilege, an extremely broad patent monopoly. The word "means" appears five times in the count and nowhere is it limited to any particular kind or type of mechanism. To determine the type, recourse must be had to his specification, and it is the claim, not the specification, which constitutes the measure of his invention. He was within his legal rights in the quest but he took the chances of interfering with some earlier seeker after the same broad patent protection.

It may be assumed that Simpson's assignee would be entitled to claims—so far as we know, it may already have allowed claims—which embrace the limitations sought to be injected into the count before us, but, so far as the count before us is concerned, we agree that it is readable on the Neracher device because of its breadth.

Numerous authorities are cited in the brief for Simpson, some of which, if not all, would be in point if we had before us a count with limitations such as those we, in effect, are asked to read into the one which is before us, but as to that one they have no application and it is unnecessary to lengthen this opinion by discussing such authorities.

[4] The decision of the Board of Interference Examiners in Appeal No. 5793, Interference No. 81,090, is affirmed.

AFFIRMED.

Appeal No. 5794, Interference No. 82,596

The pattern of this interference is quite similar to that of interference No. 81,090, supra. The appellants are the same and the respective assignees are the same.

It relates to a power transmission system for motor vehicles described in the two counts involved which are quoted, infra.

The interference was declared on the same date as the redeclaration of interference No. 81,090, supra—December 16, 1946—between the same application of Simpson et al., Serial No. 403,196, involved in that interference, and an application of Patterson et al., Serial No. 360,068.

The Patterson et al. application, of which Chrysler Corporation is the assignee, was filed October 7, 1940. That of Simpson et al., of which Borg-Warner Corporation is the assignee, was filed July 19, 1941. So, the Simpson et al. application is the junior application.

It is unnecessary to detail at this point the various activities in the Patent Office prior to the decision of the Board of Interference Examiners from which the appeal comes to us. It is sufficient to say that Simpson et al. resisted the inclusion of the claims in the interference; that their opposition was overruled by the Primary Examiner; that in the preliminary statement of Simpson et al. no dates prior to the filing date of Patterson et al. were alleged; that Simpson et al. were given notice that judgment on the record would be entered against them unless good and sufficient cause should be shown why such action should not be taken; that Simpson et al. thereupon moved to dissolve the interference on the ground that Patterson et al. could not make the counts; and that action followed whereby judgment was withheld pending the decision of the Board of Interference Examiners, which was rendered October 14, 1949, holding that Patterson et al. could make the counts and awarding them priority.

Before us, as was the situation before the Board, the sole question involved is that of the right of Patterson et al. to make the counts.

Hereinafter, conforming to action of the Board, we usually refer to the nominal appellants, Simpson et al., as Simpson, and to the nominal appellees, Patterson et al., as Patterson.

In declaring the interference the Primary Examiner stated that count 1 relates to count 50 of Patterson and to count 29 of Simpson and that count 2 relates to count 57 of Patterson and to count 16 of Simpson. The interference seems to have been sought by the assignee, Chrysler Corporation, on the basis of the Patterson application.

Specific allegations of Simpson are that Patterson's disclosure does not include the last two means defined in each of the counts, and we here reproduce the counts with the controversial matter italicized:

Count 1. A transmission comprising input and output shafts, an intermediate shaft, connections between the intermediate shaft and the other shafts, said connections including a pair of overrunning clutches, other connections between the intermediate shaft and the input and output shafts, one of said connections comprising a jaw clutch and another including a pawl and a slotted member engageable therewith, *means for simultaneously conditioning the jaw clutch and pawl for operation, and means for delaying the operation of the jaw clutch* to enable the operator selectively to control the establishing of said connections, said intermediate shaft being substantially disconnected at such time from the input and output shafts by reason of the overrunning clutches, thereby making possible the immediate operation of the pawl.

Count 2. A transmission comprising input and output shafts, a plurality of gear trains connectible between the shafts to provide different speed ratios therebetween, positive means for establishing the gear trains, *means for simultaneously conditioning at least two of said positive means for operation, and means rendering one of said positive means slower in operation than the other*, whereby to enable the operator selectively to control the establishing of the gear trains.

It is obvious that if Simpson's contention that Patterson does not disclose means called for in the italicized phraseology the decision of the Board must be reversed, but it must be distinctly understood that it is not required that the kinds or types of means called for be the same as the kinds or types disclosed by Simpson.

One of the allegations in the brief for Simpson is that "The Patterson disclosure does not respond to the express limitations of the counts." The fact, of course, is that Simpson uses the broad term "means" with no limitations as to kinds or types of means. In other words, there are no limitations respecting the means in the expressions "means for simultaneously conditioning the jaw clutch and pawl for operation," "means for delaying the operation of the jaw clutch," "means for simultaneously

conditioning at least two of said positive means for operation," and "means rendering one of said positive means slower in operation than the other."[3]

It follows that any disclosed means which will perform the defined functions ordinarily is sufficient to meet the requirement of the patent laws.

Here, as in interference No. 81,090, supra, Simpson seeks broad patent protection and takes the risk of being interfered with by a prior seeker. The question is presented, however, as to whether the factual situation here is on all fours with the factual situation in that interference.

[5] In considering this factual question we, of course, have had in mind certain thoroughly established principles of law and practice governing the determination of priority in interference proceedings, such as: (*a*) the counts normally[1] are given the broadest interpretation of which they reasonably are capable; (*b*) limitations clearly expressed in counts may not be disregarded; (*c*) where only applications are involved, the burden rests upon a junior party to establish priority, including matters ancillary thereto, by a preponderance of evidence[2]; (*d*) concurring decisions by the tribunals of the Patent Office, when clear and unambiguous, particularly in cases involving highly technical questions of fact, will not be disturbed by the courts except upon a clear showing of error; and (*e*) the burden rests upon a party appealing to convince the courts of error.

The record in this case does not disclose any analysis by the Primary Examiner of the two counts here involved, nor do we find where he definitely points out the features or elements disclosed by Patterson which he regarded as being the means which Simpson alleges Patterson does not disclose.

The counts were placed in interference upon a motion made by Chrysler Corporation, assignee of Patterson, after access had been had to the various claims by both parties. The assignee of Simpson, therefore, was in a position to oppose the introduction of the counts ab initio and did so.

In seeking to bring claims of the Simpson application into interference the motion of Patterson's assignee, Chrysler Corporation, designated proposed counts by letter rather than by number. Claim 29 of Simpson which became count 1 was proposed as count V and claim 16 of Simpson which became count 2 was proposed as count I.

Before passing upon the claim proposed as count V the Primary Examiner, in a decision rendered February 28, 1946, analyzed claims proposed respectively as counts T and U, apparently relating to a somewhat similar element as V, and denied the motion to include them. He then granted the motion to include V, saying only it "is broader with respect to the 'means for delaying the operation of the jaw clutch' and is considered proper subject matter for interference."

As to the claim proposed as count I which became count 2, the Primary Examiner said merely "Proposed count I appears properly supported by the disclosure of Patterson, and hence, constitutes proper subject matter for interference."

In a petition for reconsideration, Simpson, respecting proposed count V (which became count 1), said:

> The Examiner appears to be in error in considering the breadth of the expression "means for delaying the operation of the jaw clutch" contained in the proposed count V as justifying the granting of the motion as to that proposed count. The objections stated as to proposed count T and recognized by the Examiner as requiring the denial of the motion as to that proposed count appear to be equally applicable to proposed count V when considered in the light of the disclosures of the respective parties.

To this the Primary Examiner responded:

> • • • the original objections mentioned by the party Simpson et al. were considered at the time the decision of the Examiner, dated February 28, 1946, was rendered and since such decision is not obviously in error no reason is seen for altering such decision now.

With respect to proposed count I (which became count 2) it was argued on behalf of Simpson:

> It is not understood how the disclosure of Patterson et al. can be held properly to support proposed count I, which properly was held in sub-division II and III to be not readable on the disclosures of Maurer, and Neracher et al. In the absence of any correlation of the means for operating or controlling the operation of the means for effecting shifts to establish the connections between the shafts and the provision of two overrunning clutches with a resulting floating condition of an intermediate shaft, precluding any predetermination of the engagement of the connecting means of the clutches in relation to one another, it is not understood how either the "means for simultaneously conditioning at least two of said positive means for operation," or the "means rendering one of said positive means slower in operation than the other" of the proposed count can be applied to the disclosure of Patterson.

In answer the Primary Examiner said:

> • • • the original objections mentioned by the party Simpson et al. were considered at the time the decision of the Examiner, dated February 28, 1946, was rendered and since such decision is not obviously in error no reason is seen for altering such decision now. The fact that this count was held not readable on the disclosures of two other applications does not preclude its readability on the Patterson et al. application. The limitations discussed by the party Simpson et al. are not present in the count which is still believed to be properly readable on Patterson et al.

The argument on behalf of Simpson relating to the count not being readable on other disclosures does not appear to have been pressed before the Board, nor was it made before us.

The foregoing is all that we find in the record from the Primary Examiner respecting Patterson's showing. What he thought of the matter is made entirely clear, but it is of no particular aid in identifying the pertinent features of the Patterson disclosure.

The discussion of the matter by the Board is quite extensive and the briefs on behalf of the respective parties are replete with explanations of the operation of different parts of the respective systems.

In the briefs on behalf of both parties much space is devoted to a description of the manner in which Simpson's different parts function and to comparing the operation of certain of the Patterson features with the operation of Simpson's features. The brief for Patterson alleges numerous errors, mistakes, and inaccurate statements in the Simpson brief, the principal contention being that here, as in interference No. 81,090, supra, Simpson's contention cannot

[1] When a count is ambiguous, particularly when it is taken from an issued patent, it is proper to give it the definite meaning attributed to it where it originated.

[2] In cases involving interference with a patent, issued prior to the filing date of the application involved, the facts to establish priority must be shown beyond a reasonable doubt. That question, of course, is not in the instant case.

be sustained except by reading into the count limitations as to elements which are not expressed therein.

The discussions so detailed are informative although somewhat prolix and repetitive, but we feel that it is unnecessary to follow them seriatim and attempt minute technical explanations of an admittedly complex mechanism. The count involved is broad and the ends of justice are met fully by dealing with it broadly. That is the course which was pursued by the Board of Interference Examiners, the tribunal whose decision we are called upon to review.

The Board stated that both parties show a countershaft underdrive gearing working into a planetary overdrive gearing; that each gearing unit may be shifted into a direct drive mechanically independently of the other gearing unit; that each gearing unit has an overrunning clutch, which is a frictional one way drive device, associated with its intershaft connection; that each countershaft unit is provided with a positive clutch of the so-called jaw clutch type; and that each planetary unit has a positive clutch device by which the overdrive may be rendered effective or ineffective.

Thereafter the Board discussed individually the controversial clauses of the counts indicated by the italicized phraseology as hereinbefore quoted, giving such explanation of the meaning in the involved art of the words and phrases as appeared necessary to a correct understanding of the counts. The discussion is cogent and well connected and we quote it verbatim:

> Count 1, up to the first means clause, is a catalog of transmission parts, rather sketchily associated, but which are all readily found in Patterson as required by the counts.
>
> The first means calls for something for "simultaneously conditioning" the jaw clutch and the pawl (of the pawl and slot clutch) for operation. "Conditioning" for operation means performing preliminary steps requisite for operation without performing the final step upon which the action takes place. "Simultaneously" means here that a state of being conditioned is brought into existence with respect to each clutch which subsists contemporaneously until one or the other is operated. It does not mean that the steps of conditioning the clutches are synchronized, a possible alternative meaning of the bare language, since it is not supported in this sense in either of the parties' applications. This is because in each of the devices a condition for the operation of the jaw clutch is the functioning of a speed responsive device at one speed and a condition for operation of the pawl and slot device is the functioning of a speed responsive means at another speed. Since a vehicle cannot move at two different speeds at the same time, these two conditions may not be established at the same instant.
>
> A vehicle having the Patterson transmission may be driven to a speed of 25 M. P. H. with the kickdown switch 265, operated by the accelerator pedal, closed. This switch completes a circuit through one of two solenoids either of which holds the jaw clutch shifting motor against operation. The other solenoid is disconnected at speeds above 5 M. P. H. by operation of governor 275 and governor switch, so that shifting of the jaw clutch awaits only reopening of the kickdown switch by pedal manipulation by the operator. At 25 M. P. H. the centrifugal force has brought the bar pawls of the centrifugal clutch to the point where they will engage the slots upon reversal of torque. It is apparent therefore that the two clutches have been both brought by the control apparatus to a condition in which they will be actuated in response to a movement of the operator. The clause is therefore satisfied.
>
> The next clause requires means be present for delaying the operation of the jaw clutch so that the operator may make the selection of connection. In Patterson's device, in the condition that we have described it, the operation of the jaw clutch is delayed by the longer movement that is necessary to open the kickdown-switch upon release of the pedal to enable the operator to obtain torque reversal to complete the engagement of the centrifugal bar pawl and slot clutch. It is thus that the operator may obtain overdrive without a shift in the underdrive unit. It is our opinion that the requirements of this clause are met by the Patterson device. While it may have been that Simpson may have had in mind a deliberately timed movement by the operator to effect the discrimination in the shifting when drafting this clause, there is, in our opinion, nothing in the language of the clause or in its contextual implications which limits it to a mechanism selectively responsive to a timed movement of the operator.
>
> The remaining portion of the count merely states the fact that the overrunning clutches at the time of making the overdrive shift under the conditions discussed above, have the effect of "disconnecting" the shaft intermediate the gear units in that it would not produce torque reaction in the planetary gearing which would interfere with the clutch pawls going home. Thus to the extent that the overrunning clutches can help the action, the operation is made the more immediate. This is all true of the Patterson device as well as of the Simpson device.
>
> Simpson urges, however, that he has shaped his pawls to enhance grabbing and to make for immediate engagement with the slots whereas Patterson does not. But the difficulty with this argument is that the immediateness of operation is ascribed in the claim as the function of the overrunning clutches. We cannot substitute pawl shape which is not mentioned in the claim for the clutches which are therein plainly recited. Nor can we add this structure to the claim on the plea that it contributes more to the recited function than the structure which is recited as producing the function.
>
> Our conclusion with respect to this count is that the Primary Examiner was correct in holding that Patterson could make it. This count is broadly and loosely drawn, and it can be read upon the construction and capabilities of the device of Patterson with at least the same degree of reasonableness as upon the construction and capabilities of the device of Simpson.
>
> Count 2, drawn to the same aspect of the transmission devices of the parties as count 1, omits recitation of the overrunning clutches, and defines the other clutches broadly as positive means for establishing the gear trains. The count continues with means for simultaneously conditioning at least two of the positive means for operation. This count is thus far merely broader than count 1, and since count 1 is supported in Patterson as to these elements it follows that count 2 is likewise supported therein. The concluding clause calls for means for rendering one of the positive means slower than the other one. This language is somewhat closer to Simpson's idea of discriminating for purposes of selectivity solely by the timing of the same movement than that of count 1, but still does not define a structure which has such characteristics. The jaw clutch of Patterson is slower to complete its engagement than the centrifugal clutch, counting from the time the operator begins to release the accelerator pedal, at least by the time consumed in the throw of the kickdown switch and the action of the shift motor, and this is an inherent attribute of the mechanism by which selective action is possible. While the operator of the Patterson device may think, when he thinks at all about it, in terms of length of release stroke of the accelerator pedal as the manipulative discriminator of selection of these particular shifts, and the operator of the Simpson device may think in terms of time of duration of the accelerator pedal in the fully released position as the discriminating factor, we are of the opinion that the count does not make such a distinction related, as it must be, to the structure of the device and its mechanical capabilities.

[6] In an early decision of this court in the case of *Sweetland* v. *Cole*, 19 CCPA (Patents) 751, 754, 53 F.2d 709, 11 USPQ 174, 415 O. G. 4, we stated, in substance, that in applying the rules relative to the construction of counts to the issues of a given case the meaning of limitations "must be determined by the normal meaning of the words in which such limitations are expressed, as those words are used in connection with the art involved."

While, as already we have said, no limitations respecting the types or kinds of means are expressed in the counts here involved, explanation of some of the terms and methods of operation are obviously required in order fully to understand the counts. [7] After considering the Board's description in the light of the extensive discussion in the briefs for the respective parties, we are not convinced of error therein, and, accordingly, the decision is affirmed.

AFFIRMED.

Appeal No. 5795 and Cross-Appeal No. 5796, Interference No. 82,600

Seven counts are involved in this interference.

The Board of Interference Examiners awarded priority to Edwin R. Maurer, whose application is assigned to Chrysler Corporation, upon counts 1 to 6, inclusive, and to Simpson et al., whose application is assigned to Borg-Warner Corporation, upon count 7. Both of the nominal parties, hereinafter usually referred to respectively as Maurer and Simpson, appealed to this court.

The application of Maurer, entitled "Power Transmission," was filed October 9, 1940; that of Simpson, entitled "Automatic Transmission and Control System Therefor," July 19, 1941. So, Simpson is the junior party.

The relation of the counts to the claims of the respective parties is stated by the Primary Examiner as follows:

Counts	Maurer	Simpson
1	21	46
2	22	47
3	23	4
4	29	41
5	30	42
6	31	43
7	26	15

All the counts appear to have been derived from Simpson's claims. The interference was declared December 16, 1946, along with the redeclaration of interference No. 81,090, supra, upon motion of Chrysler Corporation—Maurer's assignee. It was declared over the objections of Simpson. In Simpson's preliminary statement no dates were alleged prior to the filing date of Maurer and he was placed under order to show cause why judgment should not be entered against him on the record. He responded with a motion to dissolve the interference on the ground that the disclosure of Maurer did not support the counts, or, to state it differently, on the ground that Maurer could not make the counts.

That was the only question before the Board and is the only question before us.

Separate briefs were filed by both parties in connection with count 7, which was awarded to Simpson, and hereinafter it is considered separately.

Counts 1 to 6 awarded to Maurer read as follows:

1. A variable speed transmission comprising in combination a countershaft type unit having low, second and direct drive ratios, and a planetary type unit having direct drive and overdrive ratios, means for effecting shifts between second and direct drive in the countershaft unit, means for effecting shifts between direct drive and overdrive in the planetary unit, and means for automatically controlling the two said shifting means to effect shifts from second to direct to overdrive direct, or alternatively from second to second overdrive to overdrive direct.

2. A variable speed transmission as described in count 1, and means under the control of the operator for effecting the alternative sequence of shifts.

3. A variable speed transmission comprising in combination a countershaft type unit having low, second and direct drive ratios, and a planetary tyne unit having direct drive and overdrive ratios, means for effecting shifts between second and direct drive in the countershaft unit, means for effecting shifts between direct drive and overdrive in the planetary unit, and means for automatically controlling the two said shifting means to effect upshifts from second to overdrive second to overdrive direct and downshifts from overdrive direct to overdrive second to second.

4. A variable speed transmission comprising a countershaft type unit and a planetary type unit in tandem, each of said units providing two ratios, means for effecting shifts from one ratio to another in the countershaft type unit, means for effecting shifts from one ratio to another in the planetary unit, the ratios of said units being combinable to produce four different transmission speeds, and means for automatically operating the two said shifting means to effect shifts from the lowest speed to the highest speed through alternatively either of the intermediate speeds.

5. A variable speed transmission comprising a countershaft type unit and a planetary type unit in tandem, each of said units providing a first and second ratio, means for effecting shifts from one ratio to another in the countershaft type unit, means for effecting shifts from one ratio to another in the planetary unit, said first ratios of said units being combinable to produce a low transmission speed, said first ratio of the countershaft unit being combinable with said second ratio of the planetary unit to produce an intermediate transmission speed, said second ratio of the countershaft unit being combinable with said first ratio of the planetary unit to produce a higher intermediate transmission speed, said second ratios of the two units being combinable to produce a high transmission speed, and means for automatically operating the two said shifting means to effect shifts from the low speed to the high speed through alternatively either of the intermediate speeds.

6. A variable transmission as described in count 5, and governor means for controlling the operating means for the units.

What we regard as the basic assignments of error alleged in Simpson's reasons of appeal are epitomized in the Simpson brief by asserting, in substance, (*a*) that Maurer's disclosure does not include means for automatically controlling the shifting means to effect shifts, as defined in counts 1, 2, and 3; (*b*) that it does not include means under the control of the operator for effecting the alternative sequence of shifts, as defined in count 2; (*c*) that it does not include means for automatically operating the two shifting means, as defined in counts 4, 5, and 6; (*d*) that it does not include governor means for controlling the operating means of the units, as defined in count 6, and (*e*) that the Board erred by improperly applying the doctrine of inherent disclosure.

The Board quoted count 1 as representative of all seven of the counts involved in the interference, and, as we understand its decision, that count, in effect, was made the test relative to counts 1 to 6, inclusive. In other words, if there be a reversal as to count 1 upon the grounds advanced against Maurer's right to make it, the decision as to counts 2 to 6, inclusive, properly would be reversible for the same reason. Also if the Board's decision as to count 1 be sustained, it would follow that its decision as to counts 3, 4, and 5 likewise should be sustained. The latter would not necessarily be true of counts 2 and 6, however, because each of those has a feature additional to the features in the other counts which Simpson alleges Maurer does not disclose.

We think a proper approach to the consideration of the issues involved here may be presented by directing attention to Simpson's allegation that the Board improperly applied the doctrine of inherent disclosure.

A similar allegation was made in both of the companion cases—i. e., Interference No. 81,090, Appeal No. 5793; and Interference No. 82,596, Appeal No. 5794—separate decisions of which accompany this decision, but it was not felt that inherency constituted a controlling factor in the Board's decision of those cases.

The question arises as to whether there is a fundamental difference in that respect between those cases and this one.

It is contended on behalf of Maurer that the counts are clear and unambiguous although seven printed pages of the brief on his behalf are used to describe the elements embraced in his device and explain its operation, and as a matter of fact both the Primary Examiner and the Board regarded it necessary to construe and interpret the counts and both did so. We deem them ambiguous. In fairness, it should be said that the brief for Simpson also devotes several pages to the description and explanation of his system and to argument about and analysis of Maurer's system. That the element now under discussion is disclosed by Simpson, of course, is conceded, since the claim which became the count was allowed him ex parte preceding the declaration of this interference in which it became involved.

Simpson's means for automatically controlling the two shifting means defined in the last clause of count 1, and present in the other counts, is a combination of a number of features as is the means—a centrifugal clutch—of Maurer which the Board held "presents the inherent capability" of performing the same function as that of Simpson "when the device is adjusted so that the centrifugal clutch becomes conditioned for operation at a lower speed than that at which the clutch in the overdrive unit operates." The Board states that the latter adjustment is one distinctly pointed out in Maurer's specification, but it also states "that there is no explicit description by Maurer of the alternative selection of sequences."

The brief for Simpson, therefore, seems to be correct in stating:

> The attempted reading [by Simpson's assignee] is based wholly on the assumption that the operation set forth is inherent in the Maurer disclosure. It is without support in the descriptive matter set forth in the Maurer application, which contains no suggestion of the operation defined in the count.

It seems to be conceded by the Board that "Maurer has no single means for automatically controlling the shifting means whereas Simpson has a single governed structure to perform this function," but it held that the contention based upon this fact was disposed of in a decision by this court affirming that of the Board in a case the correct style of which in our volume is *Osborne* (not Simpson et al. as, doubtless inadvertently, stated by the Board) v. *Patterson et al.*; 36 CCPA (Patents) 719, 169 F.2d 817, 79 USPQ 72, 616 O. G. 1117, a case cited and commented upon in our decision in companion case, Interference No. 81,090, Appeal No. 5793, supra.

[8] The situation is different here from that which existed in the *Osborne* v. *Patterson et al.* case, supra, and in the companion case to this one, in that in those cases two distinct unitary elements were present and functioning in the devices of the appellees in obtaining one result, while here just one unit of Maurer seemingly will be employed in producing two results if he be credited with the performance by his centrifugal clutch unit of the function which Simpson's unit performs. In other words, a "double reading" of Maurer's unitary combination appears to be necessary to attribute to him disclosure of the counts.

The Board says:

> • • • the fact that the reading of broad-means clauses requires that some elements be included in more than one means is not a fatal defect in the determination of priority. The questions of overlapping and double inclusion of elements are in themselves not significant. While such overlapping may be regarded ex parte in certain cases as rendering the claim indefinite under the requirements of Revised Statute Sec. 4888, there is no absolute rule against it, and if the various clauses of a claim are found in the disclosure in the application of a party to an interference in the relationships necessarily required by the context of the count, it will be held that he has sufficient support therefor.

[9] It does not seem to us that one is entitled to make counts which, as claims, would be rejected in an application for lack of definiteness under R. S. 4888 (35 U. S. C. Sec. 33), and thereby take such counts admittedly allowable to another applicant from that applicant.

In view of our conclusion upon the matter of the applicability of the inherency doctrine, it is unnecessary to our decision that the limitations in counts 2 and 6 be dwelt upon, but it may be said that we are not convinced that Maurer makes sufficient disclosures of those limitations.

[10] For the reasons indicated the decision of the Board of Interference Examiners awarding priority to Maurer upon counts 1 to 6, inclusive, is reversed.

REVERSED.

Count Seven of Interference No. 82,600

This count was introduced into the interference upon motion of Chrysler Corporation along with counts 1 to 6, inclusive, supra. As to it the Board of Interference Examiners awarded priority to the joint inventors Simpson and Carnagua, whose application stands assigned to Borg-Warner Corporation. Cross-appeal for Maurer thereupon was taken to this court.

The count reads:

7. A transmission comprising input and output shafts, a plurality of means for establishing different ratios between the shafts, and means for simultaneously conditioning at least two of said first means for operation, said two means being different, one of said two means being inherently faster in operation than the other, whereby to enable the operator selectively to control the ratio establishing means.

It is said in the decision of the Board that the Primary Examiner (in his first action on the motion to include the claim as a count of the interference) held that Maurer could not make the count because one of the shifting devices is not inherently faster than the other, as is required by the last clause of the count reading:

> • • • one of said two means being inherently faster in operation than the other, whereby to enable the operator selectively to control the ratio establishing means.

In a decision rendered upon a request for reconsideration, however, the Primary Examiner changed his view and held that Maurer could make the count.

In its decision the Board pointed out that "Maurer does not design his apparatus to take advantage of a time-of-operation characteristic in order to make a selection at a time when the two devices are simultaneously conditioned," and that the device of Maurer is not arranged to make use of the time characteristic in connection with the oper-

ator's movements at the time he makes the selection. It said further:

• • • It is our opinion that the whereby clause must be given effect; that a fair reading of it means that the elements of the device which the operator moves to make a selection must utilize in some way the difference in speed of operation of the shifting mechanisms. For this reason we think the Primary Examiner was in error when he reversed his decision upon reconsideration and admitted this count on the ground that Maurer can make it.

Very elaborate briefs have been filed by both parties in connection with the cross-appeal and these have received our careful attention. After our study of the case in the light of the briefs supplied, we find no reason which, in our opinion, would justify a reversal of the Board's decision. It is our view that the Primary Examiner was right in his first holding, and the decision of the Board strengthens our conviction in that regard. Since we agree with the Board's decision for the reasons assigned by it, it is not deemed necessary to discuss the numerous arguments pro and con respecting the highly technical matters embraced in the briefs.

[11] The decision of the Board of Interference Examiners awarding priority to the joint inventors, Simpson and Carnagua, as to count 7 is affirmed.

AFFIRMED.

NOTICES

Adjudicated Patents

(D. C. Del.) Carpenter Patent No. 2,382,858, for fiber board container. Claims 7, 8, and 11, *Held* invalid. *Container Co.* v. *Carpenter Container Corp.*, 99 F. Supp. 167; 90 USPQ 294.

(D. C. N. J.) O'Connor Patent No. 2,458,095, for seat construction for chairs, *Held* infringed. *Lyon Metal Products* v. *Aero Metalcraft Corp.*, 90 F. Supp. 80; 89 USPQ 635.

(C. A. Conn.) Schreyer Patent No. 2,475,572, for an electric steam iron, *Held* invalid. *Schreyer* v. *Casco Products Corp.*, 190 F.2d 921; 90 USPQ 271.

Disclaimers

2,434,124.—*Edward J. Schaaf* and *Edwin F. Greedy*, Anderson, Iowa. CORN HARVESTER. Patent dated Jan. 6, 1948. Disclaimer filed Sept. 28, 1951, by the assignee, *The Midwest Co.*

Hereby enters this disclaimer to the specification, and particularly to claims 6, 7, and 9, of any construction in which the cutting blades during their operation contact the opposed guide, or any construction in which the longitudinal cutting edges of said blades do not extend close to the front of the open passageway.

2,479,926.—*Charles K. Gravley*, Cleveland Heights, Ohio. ELECTROTRANSDUCER AND METHOD OF MAKING SAME. Patent dated Aug. 23, 1949. Disclaimer filed Sept. 26, 1951, by the assignee, *The Brush Development Company.*

Hereby enters this disclaimer to claim 1 of said patent.

2,485,031. *William E. Bradley*, Swarthmore, Pa. HIGH FREQUENCY TRANSMISSION SYSTEM. Patent dated Oct. 18, 1949. Disclaimer filed Sept. 28, 1951, by the assignee, *Philco Corporation.*

Hereby disclaims from the scope of claim 6 of the said Letters Patent any apparatus in which the positions along said coaxial cable at which the addition of capacitance raises the frequency of said source are not spaced substantially one-half wavelength apart, in which said coaxial cable stub is not substantially an odd number of quarter waves long at the frequency of said source and in which said coaxial cable stub is not connected to said main coaxial cable at a position substantially intermediate adjacent ones of said first-named positions, said claim being limited hereby to apparatus in which said positions along said coaxial cable at which the addition of capacitance raises the frequency of said source are spaced substantially one-half wavelength apart, in which said coaxial cable stub is substantially an odd number of quarter waves long at the frequency of said source and in which said coaxial cable stub is connected to said main coaxial cable at a position substantially intermediate adjacent ones of said first-named positions.

For the same reason hereby disclaims from the scope of claim 11 of the said Letters Patent any apparatus in which the stub connection to the coaxial cable is not connected in shunt with said coaxial cable and is not of such predetermined length as to provide an effective parallel resonant circuit at the frequency of said oscillator, said claim being limited hereby to apparatus in which the stub connection is in shunt with said coaxial cable and is of such predetermined length as to provide an effective parallel resonant circuit at the frequency of said oscillator.

2,490,205.—*Charles R. Busch*, Orange, N. J. BRAKE BEAM. Patent dated Dec. 6, 1949. Disclaimer filed Oct. 6, 1951, by the inventor and the assignee, *Buffalo Brake Beam Company.*

Hereby enter this disclaimer to claims 1, 2, 9 and 10 of said patent, as follows:

To the words "truss locks" in said claims, except with the meaning that said words indicate members for receiving and mounting brake heads thereon which are removable therefrom, the brake heads constituting entirely separate elements from the truss locks.

2,506,752.—*Rohn Truell*, Princeton, N. J. ELECTRON DISCHARGE DEVICE EMPLOYING CAVITY RESONATORS. Patent dated May 9, 1950. Disclaimer filed Oct. 4, 1951, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claim 6 of said patent except where each of the comparatively thick ring-like members is a solid ring and each annular recess is a relatively small cavity formed in one surface of the solid ring: and enters this disclaimer to claim 7 of said patent except where the comparatively thick ring-like member is a solid ring and the annular recess is a relatively small cavity formed in the inner surface of the solid ring.

2,508,267.—*Henry Kasperowicz*, Passaic, N. J. COLOR TELEVISION. Patent dated May 16, 1950. Disclaimer filed Sept. 28, 1951, by the assignee, *Allen D. Du Mont Laboratories, Inc.*, the inventor assenting and agreeing.

Hereby enters this disclaimer to the effect that claims 1, 2, 3, 7, 8, and 11 are limited to the primary colors, namely, red, blue and green, as distinguished from black or white of said patent.

2,529,950.—*Erich N. Kather*, South Lincoln, Mass. TUNABLE ELECTRON DISCHARGE DEVICE. Patent dated Nov. 14, 1950. Disclaimer filed Sept. 29, 1951, by the inventor; the assignee, *Raytheon Manufacturing Company*, assenting.

Hereby enters this disclaimer to claims 1 and 2 of said patent.

Price of the Official Gazette

The Superintendent of Documents has informed the Commissioner of Patents that effective October 30, 1951, the annual subscription to the OFFICIAL GAZETTE is increased to $38.75 for domestic mailing with an additional charge of $10.50 for foreign mailing. Single copies are now 75 cents each.

T. B. MORROW,
Executive Officer.

Erratum

All references to Patent No. 2,572,429 to Kenneth D. Ashley and Scott Mason, assignors to American Cyanamid Company, for Aluminum Soap Composition appearing in the OFFICIAL GAZETTE of October 23, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. 1, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The Deschamps Fuel Injection Corporation offers the following six patents for licensing on reasonable terms. Inquiries concerning the patents should be directed to D. J. Deschamps, 9530 Orion Ave., San Fernando, Calif.

The first five of these patents relate to variable capacity liquid fuel injection pumps primarily intended for aircraft engines. The pumps are of the multiple cylinder type in which a plurality of cylinder and plunger pumping units are arranged in a circular row and the plungers driven on their pumping strokes by a wobble plate on a drive shaft. The pumping units may all be simultaneously and uniformly adjusted during operation of the pumps to vary the pump output. Groups 35—11—12—19—61; 37—22.

Pat. 2,429,806. Fuel Injection Pump. Patented Oct. 28, 1947. In this patent the cylinders may be independently rotated from outside the pump and locked in adjusted position to vary cylinder output. Gear mechanism under control of a lever is provided for simultaneously rotating all plungers during operation of the pump to vary pump output. Each plunger at its inner end is formed with helical lugs for controlling the opening of relief or spill ports in the sides of the cylinders. Each plunger has an axial passageway with cross passages joining the passageway with a circumferential groove in the plunger below the lugs. An improved pressure-operated valve is provided in the outlet passage of each cylinder. Reg. No. 45,111.

Pat. 2,431,686. Variable Capacity Pump. Patented Dec. 2, 1947. In this patent each cylinder is provided with a pair of opposed plungers cooperating to form a pumping space between their inner ends. A pair of wobble plates mounted on a drive shaft having differential gearing may be angularly adjusted on the shaft with respect to one another while the pump is operating to change the phase relation of the plungers and thereby vary the pump output. Provision is made for lubricating the pump and preventing dilution of the lubricant by the liquid being pumped. Reg. No. 45,112.

Pat. 2,436,797. Fuel Injection Pump. Patented Mar. 2, 1948. In this patent the pump includes a mounting plate for attaching it to an engine, a common support for the cylinders and pump mechanisms, and a removable thimble-like cover enclosing the pump and dividing the space within the pump into two fluid-tight chambers, one serving as an inlet for the liquid to be pumped, and the other as a collection chamber for lubricant. An elastic drive is provided between the wobble plate and engine shaft by mounting a torsionally flexible shaft within a hollow drive shaft with the end of the flexible shaft extending beyond the hollow shaft for connection to an engine. Provision is made for introducing oil under pressure from the engine lubricating system through the shaft to the pump mechanisms and returning the oil to the engine. Reg. No. 45,113.

Pat. 2,519,893. Fuel Injection Pump. Patented Aug. 22, 1950. In this patent individual driving tappet structure is provided between the plungers and a wobble plate. The tappet structures have a push-pull connection with the plungers so that in the event of a plunger sticking in its cylinder the associated tappet structure will be held out of engagement with the wobble plate. Reg. No. 45,114.

Pat. 2,531,202. Fuel Injection Pump. Patented Nov. 21, 1950. In this patent a circular row of pumping units are mounted inside each end of an elongated housing with a short drive shaft centrally mounted inside the housing between the units. A spur gear on the shaft carries an integral wobble plate on each side forming a wedge-shaped wobble plate structure to engage tappet structures to drive all the plungers on their pumping strokes. Reg. No. 45,115.

Pat. 2,388,681. Mixture Control Apparatus. Patented Nov. 13, 1945. This patent relates to an automatic fuel-air ratio control apparatus for use in conjunction with a variable capacity liquid fuel injection pump of an internal combustion engine, particularly an aircraft engine, to produce a suitable ratio of fuel and air in accordance with the demands of the engine under varying operating conditions. The control may be used with engines in which the fuel mixture is formed in the air intake conduit, or with engines in which the fuel is injected directly into the cylinders. Groups 35—11—12—19—61; 37—22. Reg. No. 45,116.

Pat. 2,499,898. Clasp. Patented Mar. 7, 1950. Self-adjusting clasp fastener for wearing apparel and surgical bandages is easily manipulated without careful alignment. Two overlapping members each have a series of prongs which interconnect when overlapped and pressed together. The members may slide to a new position of interlock in response to excessive strains without becoming unfastened. (Owner) A. F. Anderson, 818 South Corona St., Denver, Colo. Groups 39—16—81—99; 40. Reg. No. 45,117.

Pat. 2,077,414. Card Table. Patented Apr. 20, 1937. Card or drawing table has legs hinged in pairs at central portion of table top for simultaneous manipulation in one movement. Each pair of legs are rigidly attached in spaced divergent position to a bar. The two bars are pivotally attached to a slide for parallel swinging movement of legs in the same direction. The slide is manually moved within a transverse guideway on under side of table top and is provided with a spring catch for locking the pairs of legs in extended or in folded nested position. Bracing members are pivotally connected to table top and to legs. Arrangement allows secure adjustment of top in inclined position for drawing. (Owner) Lysle B. Hunting, 3633 Oakman Blvd., Detroit 4, Mich. Groups 25—11—14—19—32—99: 34—41; 39—49—54—81. Reg. No. 45,118.

Pat. 2,439,529. Hanger for Garments, Wearing Apparel, Etc. Patented Apr. 13, 1948. Garment hanger for supporting a multiple of garments has a coat-supporting section and one or more detachable rails for supporting trousers, ties, or other articles. Lower side portions of hanger project inwardly and have slotted extensions to detachably receive the rails. Apertured portions are provided throughout the rails to support ties, belts, etc. over which the trousers may be hung. (Owner) Andrew Stevenson, 427 South Hope St., Los Angeles 17, Calif. Groups 25—99: 33—49: 39—81; 40. Reg. No. 45,119.

General Electric Company has placed the following five patents on the Register as available for non-exclusive licensing upon reasonable terms, to domestic manufacturers. Correspondence to: Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The first three of these patents relate to vinyl compounds and their preparation. Group 28—34—83.

Pat. 2,498,473. Vinyl Compounds and Their Preparation. Patented Feb. 21, 1950. Reg. No. 45,120.

Pat. 2,498,474. Vinyldibenzofuran Polymers. Patented Feb. 21, 1950. Reg. No. 45,121.

Pat. 2,527,223. Copolymers of 2-Vinyldibenzofuran and Their Preparation. Patented Oct. 24, 1950. Reg. No. 45,122.

Pat. 2,529,206. Process for Increasing the Corrosion Resistance of Ferrous Articles. Patented Nov. 7, 1950. This patent relates to a process for increasing the corrosion resistance of ferrous articles by coating the article with a thin adherent film composed of an alkali-metal silicate and exposing the coated article to the vapors of a hydrocarbon-substituted halogenosilane. Group 33—75. Reg. No. 45,123.

Pat. 2,341,833. Ceramic Dielectrics and Method of Making. Patented Feb. 13, 1951. Relates to ceramic dielectric material consisting of alkaline earth zirconate and lead zirconate. Groups 28—83; 36—11. Reg. No. 45,124.

E. I. du Pont de Nemours and Company has placed on the Register, as available for licensing on reasonable terms, 347 patents contained in Schedules XXI and XXII. The publication of these patents began in the OFFICIAL GAZETTE, Oct. 30, 1951, and will be continued in this and succeeding issues. More than 5,400 patents were previously registered by this company and published during 1948, 1949, and 1950, in Schedules I–XX.

The present listing includes Reg. Nos. 45,125 through 45,210. Groups 20—95; 22—13—14—23—35—51—53—54—94—97—98; 23—21; 25—62—71—94; 26—39—63; 28—11—12—29—31—32—33—34—41—51—61—81—83—86—88—89—99; 29—11; 32—95—97; 33—12—66—X2; 34—19—72; 35—22—42—52—59—61; 36—19—31—61; 39—12—81.

Inquiries concerning these patents should be addressed to: Patent Division, E. I. du Pont de Nemours and Company, Wilmington, Del.

Pat. 2,364,456. Process for Preparing Dyestuffs of the Anthraquinone Series. Dec. 5, 1944. Preparation of anthrimide-carbazole dyes by mixing tetranthrimide or pentanthrimide with 2 to 4 parts of $AlCl_3$ and an amount of alkali metal chloride equal to 10% to 50% of the weight of $AlCl_3$, heating in a thin layer and removing the fluid melt from the heating zone as rapidly as it is fused into the fluid melt.

Pat. 2,365,479. Dispersible Compositions. Dec. 19, 1944. Improved pigment compositions are obtained by suspending pigment particles in a suitable medium, coating the particles with a water soluble form of a precipitable protective agent, precipitating the agent on the particles and removing the suspending medium.

Pat. 2,366,496. Stabilized Concentrated Photographic Developing Composition. Jan. 2, 1945. A concentrated aqueous photographic developer containing from 425 to 565 grams of active ingredients and, at least, 30–60 grams of an alkali metal hydroxide in each liter of solution.

Pat. 2,366,737. 1,3-Dioxolane Modified Organic Products. Jan. 9, 1945. Modifying an organic acid, ester, or anhydride by combination with 1,3-dioxolane to make a water-soluble compound.

Pat. 2,366,738. Organic Acids Modified by Formaldehyde and Glycol. Jan. 9, 1945. Modifying lauric, oleic, and hydroxycarboxylic acids by reacting the acid with ethylene glycol and formaldehyde in the presence of an acidic catalyst to cause the product to be water-soluble.

Pat. 2,367,036. Processes of Color Photography and Compositions and Articles Therefor Utilizing Polymeric Color Formers. Jan. 9, 1945. Photographic water permeable organic colloid layers and photographic developers containing as color forming ingredients the polymeric reaction product of 1 mol of a ketaldone with 1 mol of a dye intermediate containing at least 2 ketaldone reactive groups, one of which is an active methylene group and the other of which is an active methylene primary amino, secondary amino or amide group, e. g., acetoacet-p-phenylene-diamine is reacted with benzaldehyde-o-sodium sulphonate.

Pat. 2,368,302. Dye Intermediates Comprising Bis Acylacet Amides and Their Preparation. Jan. 30, 1945. The process which comprises reacting two mols of a carboxylic acetylamide of an organic amine with one mol of a compound taken from the group consisting of aldehydes and ketones and color forming compounds resulting from the reaction, e. g., methylene-bis benzoyl-acetanilide.

Pat. 2,369,951. Process for Preparing Anthraquinone Vat Dyes. Feb. 20, 1945. Preparation of 1,4- or 1,5-trianthrimide carbazole vat dyes by fusing the corresponding trianthrimide with $AlCl_3$ and NaCl from 110 to 160° C. in the presence of .25 to 1.5 mols of nitrobenzene or its m-sodium sulfonate per mol of anthrimide.

Pat. 2,370,839. Condensation Products and Processes for Their Production. Mar. 6, 1945. Preparation of products useful as emulsifying agents by condensing a heteromonocyclic urea having no directly attached hydrogen atoms on the nitrogen, an organic compound substituted with at least two hydroxyl groups and an organic compound having at least 6 carbon atoms, and a labile hydrogen atom. Example: bis-(methoxymethyl) uron-diethylene glycol polymer modified with dodecanol-1.

Pat. 2,373,289. Photographic Structure. Apr. 10, 1945. A photographic structure that permits exposure of a light sensitive layer in contact with a wet negative taken from an acid fixing solution which structure includes a clear transparent water-proof protective layer over the light sensitive layer, said layer being soluble in alkaline photographic developing solutions.

Pat. 2,373,879. Sulphurized Hydrocarbon Derivatives. Apr. 17, 1945. Lubricating oil containing less than 5% of a phosphite ester of a sulfurized mixture of pure 8 to 18 C aliphatic unsaturated alcohols, e. g., alcohols obtained by carboxyl reduction of sperm oil. Also claims the above phosphite esters.

Pat. 2,374,328. Process for Preparing Nitro-Bz-1: Bz-1'-Dibenzanthronyls. Apr. 24, 1945. Process of reacting Bz-1: Bz-1'-dibenzanthronyl with nitric acid in insufficient 80–86% sulfuric acid to effect complete solution. The product is an intermediate for black vat dyes.

Pat. 2,375,853. Diamine Derivatives. May 15, 1945. Monomeric bis quaternary ammonium salts in which the nitrogen atoms are separated by a decamethylene chain, and in addition each nitrogen atom carries two alkyl groups of lower molecular weight, a long chain alkyl group of at least ten carbon atoms and an anion.

Pat. 2,376,354. Stabilized Dioxolanes. May 22, 1945. Composition of a solid 1,3-dioxolane polymer having a molecular weight between 1,000 and 200,000, containing 0.1 to 5.0 parts of symmetrical di-beta-naphthyl-para-phenylenediamine per 100 parts of the polymer.

Pat. 2,378,048. Method of Making Haloacetyl Halides. June 12, 1945. Trichloroacetyl chloride is prepared by heating under pressure a mixture of carbon monoxide and carbon tetrachloride in presence of an aluminum chloride catalyst. Other polyhalogenated methanes may be used.

Pat. 2,379,070. Pigment Dispersions. June 26, 1945. Dispersion of pigments classified as organophilic as determined from contact angle measurements.

Pat. 2,379,821. Compounds. July 3, 1945. Process for making organosilicon compounds by reacting an inorganic silicon halide with an aliphatic hydrocarbon in the vapor phase at a temperature of at least 450° C. but below decomposition temperatures.

Pat. 2,382,938. Oxygenated Organic Polymers. Aug. 14, 1945. Process of polymerizing di(beta-hydroxyalkyl) formal by using a strong acidic catalyst.

Pat. 2,383,681. Composition and Process for Cleaning and Pickling Ferrous Metals. Aug. 28, 1945. Composition and method employing a non-oxidizing acid and a thiazolinyl sulfide as an inhibitor for controlling the corrosion of ferrous metals.

Pat. 2,395,281. Ethanolamine. Feb. 19, 1946. Preparation of ethanolamine by reacting an alkyl aminoethyl formal with an inorganic acid and excess of methylal; removing the methylal by distillation, and treating the product with a base.

Pat. 2,395,826. Preparation of Chlorofluorosilanes. Mar. 5, 1946. Process for making chlorofluorosilanes by heating a mixture of silicon tetrachloride and silicon tetrafluoride.

Pat. 2,395,971. Detergent Composition. Mar. 5, 1946. Dioxolane derivative of a water-insoluble hydrophobic organic oxygenated compound and a sudsing agent.

Pat. 2,396,261. Products. Mar. 12, 1946. Reaction of vinyl acetate with carbon tetrachloride and products obtained thereby.

Pat. 2,397,602. Preparation of Ester Polymers. Apr. 2, 1946. Heating an organic carboxylic acid ester under alcoholysis conditions with di(beta-hydroxyethyl) acetal or a related compound such as the products obtained by heating 1,3-dioxolane in contact with an acidic catalyst.

Pat. 2,398,430. Hydrolysis of Halogen Containing Compounds. Apr. 16, 1946. Process for producing chlorocarboxylic acids by treating chloroalkanes with sulfuric acid.

Pat. 2,398,757. Preparation of Cyanoacetals. Apr. 16, 1946. Preparation of an alkoxymethoxy alkane nitrile by reacting a formal with an aldehyde cyanohydrin in the presence of an acidic catalyst.

Pat. 2,400,532. Photographic Element. Apr. 10, 1945. A photographic element bearing a light sensitive silver halide layer includes a hydrotropic agent and a layer containing a polyoxyalkylene ether of a ring-dehydration product of a hexitol to provide improved speed, contrast and stability.

Pat. 2,402,133. Manufacture of Acrolein. June 18, 1946. Preparation of acrolein by reacting carbon monoxide and hydrogen with a vinyl ester of a carboxylic acid in the presence of a hydrogenating catalyst.

Pat. 2,402,331. Treatment of Wood. June 18, 1946. Aqueous dispersion adapted to produce a water-resistant film comprising a polymethacrylic ester, a vegetable oil, paraffin, a dispersing agent, water, and a thickening agent.

Pat. 2,405,948. Preparation of Dihaloalkanes and Related Products. Aug. 20, 1946. Preparation of dihaloalkanes by heating a lower olefin with a hydrogen halide and formaldehyde at elevated temperatures and pressures.

Pat. 2,406,379. Pickling Bath for Ferrous Metals. Aug. 27, 1946. Composition for use as inhibitor in acid pickling comprising 15 to 35% of a liquid thiazolinyl sulfide, e. g., beta hydroxyethyl 2-thiazolinyl sulfide, dispersed on a finely divided solid, e. g., calcium carbonate, having a particle size of less than 5 microns average and less than 200 microns maximum.

Pat. 2,407,246. Fluoro-Chloro Hydrocarbons and Processes of Making Them. Sept. 10, 1946. $CF_2CCl_2CCl_2CF_2$ and $CF_2CHClCCl_2CF_2$ and preparation by reacting $CF_2CHClCH_2CF_2$ with chlorine in the vapor phase in light.

Pat. 2,407,486. Veterinary Compositions. Sept. 10, 1946. A composition of matter consisting in a dry free-flowing dispersible powder comprising 0.05 to 5% sodium alginate, 0.05 to 2% gum karaya and the balance phenothiazine.

Pat. 2,408,426. Preparation of Modified Methyl Methacrylate Compositions. Oct. 1, 1946. Process of preparing a modified methyl methacrylate composition by polymerizing a water dispersion of monomeric methyl methacrylate in the presence of 0.01% to 3.0% of trichloroethylene.

Pat. 2,409,315. Fluoroacetamides and Their Preparation. Oct. 15, 1946. Preparation of fluoroacetamides by reacting a polyfluoroethylene having at least 3 fluorine atoms with an organic amine containing amino-hydrogen, and admixing water.

Pat. 2,409,683. Polish Compositions. Oct. 22, 1946. Polish compositions comprising a soft wax and a synthetic wax obtained by telemerization of ethylene with an organic alcohol, ether, acid, ester, orthoester, anhydride, aldehyde, ketone, or acetal.

Pat. 2,413,188. Lubricants, Etc. Dec. 24, 1946. A lubricant capable of maintaining desirable body and clean metal surfaces under heat and drastic usage consisting of a mineral lubricating oil containing about 0.1–10% of a salt of an oxy-sulfur acid of the formula $R-SO_3R'$, R= alkyl or halogen-substituted alkyl and R' is a base.

Pat. 2,413,968. Process for Manufacture of N-Alkyl Glycines. Jan. 7, 1947. Process for preparing a N-alkyl glycine by heating formaldehyde, carbon monoxide, and an amine in a dilute acidic aqueous system.

Pat. 2,415,938. Dyestuffs of the Anthraquinone Series. Feb. 18, 1947. Reddish-orange cotton dyes are prepared by condensing a halogen-bisanthraquinone oxazole compound with aminoanthraquinones.

Pat. 2,416,046. Process for the Preparation of Ethylene-Urea. Feb. 18, 1947. Reaction of ethylene glycol with urea at a temperature of at least 175° C. to form ethylene urea.

Pat. 2,416,057. Process for the Preparation of Ethylene-Urea. Feb. 18, 1947. Preparation of ethylene urea by subjecting ethylene glycol and urea to a reaction under superatmospheric pressure.

Pat. 2,416,456. Fluoro-Butadiene Polymers. Feb. 25, 1947. A rubbery copolymer of 2-fluorobutadiene-1,3 or a methyl, ethyl or propyl homolog thereof and styrene which has dielectric qualities.

Pat. 2,416,880. Polyvinyl Alcohol Insolubilized With Chlorinated Polymeric Ethers. Mar. 4, 1947. Production of water-resistant polyvinyl alcohol by reaction with an alpha-polyhalogenated linear polymeric ether.

Pat. 2,419,405. Process for Preparing 1-Hydroxy-4-Arylamino Anthraquinones. Apr. 22, 1947. 1-hydroxy-4-arylaminoanthraquinones are made by reacting less than 2 mols of an arylamine with 1 mol of quinizarin and leuco quinizarin combined in an alcohol or water in the presence of boric acid. The dyes produce blue and violet shades having good fastness to gas fumes.

Pat. 2,422,400. Production of N-Methylamides. June 17, 1947. Preparation of N-methylamides, by a catalytic hydrogenation of N-methylol or N-alkoxy methylamides.

Pat. 2,422,445. Process of Recovering Triarylmethane Dyestuffs. June 17, 1947. Production of Victoria Pure Blue BO which is soluble in water and castor oil comprising extracting from a solution in an organic solvent by means of aqueous acid while controlling the acidity to obtain an aqueous phase of pH 3.5 to 5 which may be salted out to obtain the product.

Pat. 2,425,627. Process for the Preparation of Ethylene-Urea. Aug. 12, 1947. Preparation of ethyleneurea involving water treatment of the reaction product obtained by heating ethylene glycol and an excess of urea, followed by removal of the ethyleneurea from the water.

Pat. 2,425,661. Purification of Aminoacetonitrile by Vacuum Distillation. Aug. 12, 1947. Purification of aminoacetonitrile by heating an aqueous solution thereof to vaporize the water and the major portion of the aminoacetonitrile, followed by separation of the unvaporized liquids.

Pat. 2,426,017. Process for Preparing 1,3-Butylene Glycol. Aug. 19, 1947. Preparation of 1,3-butylene glycol by heating an aqueous formaldehyde with propylene under controlled conditions in the presence of sulfuric acid and 1,3-butylene glycol formal.

Pat. 2,432,429. Purification of Methionine. Dec. 9, 1947. Purified methionine obtained by acid hydrolysis of methionine nitrile by absorbing both the methionine and the accompanying impurities onto charcoal, removing the impurities by extraction with dilute aqueous alkali, thereafter removing the methionine by washing with water and dilute acid, and reusing the charcoal.

Pat. 2,432,478. Synthesis of Methionine. Dec. 9, 1947. Synthesis of methionine by hydrolyzing methionine nitrile with dilute aqueous sulfuric acid.

Pat. 2,432,601. Polymers of Alpha-Methylene Cyclic Acetals. Dec. 16, 1947. Copolymers of cyanhydrin compounds having ester groups with vinyl dioxolanes or vinyl dioxanes.

Pat. 2,433,997. Quaternary Ammonium Sulfone Halides. Jan. 6, 1948. Quaternary ammonium sulfone halides are prepared by condensing an organic sulfonic acid having a pentavalent nitrogen atom with halogenating agents. Example: N-trimethyl amino ethane sulfonic acid inner anhydride + PCl_5 → N-chloro N-trimethyl amino ethane sulfone chloride.

Pat. 2,435,629. Process of Color Photography and Composition and Elements Therefor Utilizing Sulfonamide Color Formers. Feb. 10, 1948. Photographic elements and a process of color photography which comprises developing a reducible silver salt image in the presence of a 4,4'-bis-(1-naphthol-2-sulfonamidophenyl) ether.

Pat. 2,437,370. Para-tertiary Amino Phenyl Aldehydes. Mar. 9, 1948. Paratertiary aromatic bis aldehydes are prepared by reacting N-N' ethylene-bis-(methylphenylamine) and similar compounds with dimethyl formamide in the presence of phosphorous oxychloride.

Pat. 2,437,708. Semi-Conducting Tape for Electric Cable. Mar. 16, 1948. A high tension insulated electric cable comprising a conductor, a layer of rubber insulation and a shielding layer of nylon and carbon black.

Pat. 2,439,728. Pyridine Carbonyl Amides of the Benzene Series. Apr. 13, 1948. Only claim is to 4'-amino-2'-5'-diethoxypicolinanilide.

Pat. 2,439,880. A Tungsten-Molybdenum Trioxide Catalyst. Apr. 20, 1948. Catalyst composition comprising an intimate mixture of the oxides of tungsten and molybdenum in which the mole ratios of oxides varies from 10 : 1 to 1 : 10 and process for the production thereof ex salts of tungstic and molybdic acids.

Pat. 2,440,090. Alpha-Methylene Carboxylic Acid Fluoride Polymers and Their Preparation. Apr. 20, 1948. Interpolymers of acrylyl or methacrylyl fluoride with methyl methacrylate.

Pat. 2,441,440. Silver Halide Photographic Emulsions of Enhanced Light Sensitivity. May 11, 1948. A colloid silver halide emulsion is sensitized by the incorporation of a condensation product of an aliphatic aldehyde with a base taken from the group consisting of ammonia and primary amines.

Pat. 2,443,255. Derivatives of 2-Aminodiphenylsulfone. June 15, 1948. Only claim is to p-(o-aminophenylsulfonyl) acetanilide.

Pat. 2,443,391. Methionine Isolation Process. June 15, 1948. Saturation of an aqueous solution of methionine with ammonium sulfate to precipitate methionine therefrom.

Pat. 2,446,382. 2-Fluoro-1,3-Diene Polymers. Aug. 3, 1948. Homopolymers of fluoroprene and copolymers with unsaturated compounds having terminal vinyl groups, which polymers are obtained by emulsion polymerization in the presence of from 0.5 to 5.0% of 3,3-difluoro-1-butene.

Pat. 2,446,430. Chlorination of Hydrocarbons. Aug. 3, 1948. Xylylene chlorides by reacting chlorine with xylene in the presence of an inert diluent, actinic radiation, and a reaction medium free from compounds of iron and aluminum.

Pat. 2,448,641. Alkylation of Cyclic Unsaturated Hydrocarbons Using Alkali Metal Catalyst. Sept. 7, 1948. Method for alkylating hydrocarbons by reacting ethylene and e. g., cyclohexene or toluene using metallic sodium as catalyst, at 150–450° C. and superatmospheric pressure.

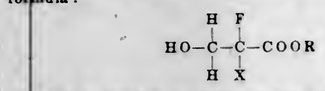
Pat. 2,449,836. Photographic Silver Halide Emulsions. Sept. 21, 1948. Photographic silver halide emulsions of increased stability containing N-alkylaminomonohydroxybenzenes, e. g., N-methyl-para-aminophenol sulfate.

Pat. 2,450,543. Herbicidal Composition. Oct. 5, 1948. Composition, useful as an herbicide, of 5 to 25% 2,4-D acid, 2 to 10% of a dispersing agent, e. g., N,N-diethylcyclohexylammonium "Lorol" sulfate and the balance a mixture of cyclohexanone and hydrogenated naphtha.

Pat. 2,451,411. Saturated Polyhaloalkyl Sulfides and Methods for Their Preparation. Oct. 12, 1948. Saturated Polyhaloalkyl sulfides, such as bis (2-chloro-1,1,2,2, tetrafluoroethyl) mono- or disulfide by reacting sulfur chloride with tetrahaloethylenes containing at least three fluorine atoms.

Pat. 2,451,536. Diallyl Diglycolate-Styrene Copolymer. Oct. 19, 1948. Diallyl Diglycolatestyrene copolymer wherein the ratio of the ester to the styrene is at least 2 to 98.

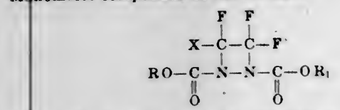
Pat. 2,452,791. Fluorohydracrylic Acids and Their Esters. Nov. 2, 1948. A chemical compound having the formula:



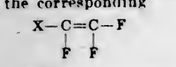
where X is fluorine or hydrogen and R is hydrogen or an aliphatic hydrocarbon radical having less than 12 carbon atoms.

Pat. 2,453,052. Stain Resistant Plasticized Polyvinyl Chloride Resin Coatings. Nov. 2, 1948. A supple stain resistant film comprising a plurality of strata, each containing polyvinyl chloride, one of the strata containing polypropylene glycol sebacate as a plasticizer for the resin and the other strata containing chlorinated paraffin as plasticizer for the resin.

Pat. 2,456,176. Monomeric Addition Products of Azobisformates and Polyfluoroethylenes. Dec. 14, 1948. Monomeric compounds of the formula:



X=H, F, or Cl; R and R_1=non-hydroxyl portion of a saturated aliphatic monohydric alcohol; also their preparation by reacting the corresponding



with ROOC—N=N—$COOR_1$.

Pat. 2,456,344. Polyamides Plasticized With a Mixture of Phenol and Ester Type Plasticizers. Dec. 14, 1948. Polyamides plasticized with a monomeric phenol, such as, 1,12-di (hydroxyphenyl) octadecane and a neutral ester of a carboxylic acid with a short chain aliphatic carboalkoxy alcohol.

Pat. 2,456,738. Cycloidal Indexing Mechanism. Dec. 21, 1948. A mechanical transmission for the conversion of a constant speed energy input to a variable speed (epicycloidal or hypocycloidal) output.

Pat. 2,457,226. Preparation of Choline Chloride. Dec. 28, 1948. Synthesis of choline chloride by reacting a beta-(alkoxyalkoxy) ethyl trimethylammonium formate with hydrochloric acid and an alkanol. Composition of beta-(ethoxymethoxy) ethyl trimethylammonium formate.

Pat. 2,458,451. Method of Forming Non-Thermoplastic Synthetic Resin Films. Jan. 4, 1949. Mixing a polyvinyl butyral resin of hydroxyl number above 60 with a melamine-formaldehyde-alcohol condensation product, forming into a sheet, and curing.

Pat. 2,460,535. Manufacture of Trichloromethyl Diaryl Methanes. Feb. 1, 1949. In making trichloromethyl diaryl methanes, e. g., DDT, by condensing chloral with an aromatic compound, dividing the reaction products into two fractions, crystallizing the desired product from one fraction and adding it to the other fraction to butt up strength.

Pat. 2,461,900. Low Shrinking Cellulosic Repair Putty. Feb. 15, 1949. A repair putty containing a finely divided, inert form of cellulosic material characterized by an oil absorption of between 50 and 150 uniformly dispersed in an organic polymeric binder in the proportion of between about 2.5 and 5 parts by weight of inert material to binder.

Pat. 2,462,185. Moistureproof, Heat Sealable Wrapping Material and Process. Feb. 22, 1949. Moistureproof, heat-sealable sheet wrapping materials comprising a regenerated cellulose film base sub-coated with a resinous aliphatic ether derivative of melamine formaldehyde and nitrocellulose, the ether radical containing 3–8 carbon atoms and the ratio of resin to nitrocellulose being 20/80 to 75/25, which firmly anchors the topcoat of a vinylidene chloride/acrylonitrile copolymer containing at least 80% vinylidene chloride.

Pat. 2,462,341. Cleaning Composition for Rust-Stained Lacquered Surfaces. Feb. 22, 1949. A cleansing composition comprising as active ingredients 10 to 15 parts by weight of oxalic acid and 90 to 50 parts by weight of a partially sulfonated saturated aliphatic hydrocarbon having at least 16 carbon atoms per molecule.

Pat. 2,462,534. Light Sensitive Photographic Element. Feb. 22, 1949. A daylight loading X-ray film consists of a photographic element bearing a light sensitive layer and an outer light screening layer disposed on each side of the element and having an intercalated stripping layer composed of a water soluble acetal of a vinyl alcohol polymer containing free sulfonic acid or free carboxylic acid groups.

Pat. 2,462,737. Polymeric Compounds From 1,3-Dioxolane. Feb. 22, 1949. Liquid polymeric condensation products of 1,3-dioxolane and an aromatic compound, and process for preparing such condensation products.

Pat. 2,467,192. Coating Compositions. Apr. 12, 1949. Aqueous dispersions (coating compositions) containing the ammonium salt of an N-long chain alkyl amide of the dicarboxylic acid obtained by condensation of maleic anhydride and cyclopentadiene.

Pat. 2,467,438. Semi-Stiff Collar. Apr. 19, 1949. Process of preparing semi-stiff collars which comprises preparing an interliner coated with polyvinyl chloride plastisol or organosol suspension, heating the coated fabric until the coating is partially, but not completely coalesced, assembling the interliner between outer plies and subjecting the assembly to heat and pressure to firmly bond the separate plies.

Pat. 2,468,920. Hammered Metal Finish Compositions. May 3, 1949. A composition and process for simulating a hammered metal finish which comprises applying a coating composition comprising low viscosity cellulose nitrate and a small amount of dynamite cellulose nitrate, and pigmented with finely divided metal powder.

Pat. 2,469,428. Tanning Product and Process. May 10, 1949. Tanning composition and method employing an interpolymerization product of quinone and resorcinol in the mol ratio from 0.6 : 1 to 4 : 1 having more than four six-carbon rings per molecule, having a ratio of two oxygen-containing groups for each six carbon ring, water soluble, precipitated by acid and able to precipitate gelatine; the composition containing additionally a water soluble borate.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 6, 1951

[VOL. 652. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 523,284. Russell Harrington Cutlery Company, Southbridge, Mass. Filed May 29, 1947. Under 10-year proviso.

RUSSELL



The word "Brand" is disclaimed.

For Hand Edge Cutting Tools—Namely, Putty Knives and Scrapers.

Claims use since February 1926.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 609,054. Resistoflex Corporation, Belleville, N. J. Filed Jan. 20, 1951.

FLUOROFLEX

For Extruded and Molded Sheets, Slabs, Rods, Tubes and Special Shapes Made From Fluorocarbon Resins.

Claims use since Nov. 15, 1950.

Ser. No. 609,091. E. J. Lavino and Company, Philadelphia, Pa. Filed Jan. 22, 1951.



For Chrome Ore for Furnace Maintenance.

Claims use since Apr. 14, 1931.

Ser. No. 609,813. Rayonier Incorporated, New York, N. Y. Filed Feb. 8, 1951.

RAYOFILM

For Highly Purified Wood Cellulose.

Claims use since Dec. 30, 1950.

Ser. No. 609,814. Rayonier Incorporated, New York, N. Y. Filed Feb. 8, 1951.

RAYOPHANE

For Highly Purified Wood Cellulose.

Claims use since Dec. 30, 1950.

Ser. No. 610,123. John R. Evans & Company, Camden, N. J. Filed Feb. 15, 1951.

GLUVVIN

For Leather.

Claims use since Jan. 4, 1951.

Ser. No. 610,370. Maine Potato Growers, Inc., Presque Isle, Maine. Filed Feb. 21, 1951.



The words "Co-Operative Farm Service," the representation of the map of the State of Maine, and the potato are disclaimed.

For Seed Grain, Grass Seed, and Seed Potatoes.

Claims use since Aug. 12, 1948.

CLASS 2

RECEPTACLES

Ser. No. 589,599. Sonoco Products Company, Hartsville, S. C. Filed Dec. 19, 1949.

UNITEX

For Flock Surfaced Paper Carriers—Namely, Paper Tubes and Cones Adapted To Receive and Carry on Their Outer Surface Windings of Yarn or Other Material.
Claims use since Feb. 17, 1949.

Ser. No. 599,849. Sterling Products, Inc., Los Angeles, Calif. Filed June 27, 1950.

FIESTA

For Paper Plates and Cups.
Claims use since May 22, 1950.

Ser. No. 610,269. Earle F. Hiscock, Washington, D. C., and New York, N. Y. Filed Feb. 19, 1951.

KIP

For Flexible Packets for Containing Food.
Claims use since Oct. 13, 1950.

Ser. No. 611,241. St. Regis Paper Company, New York, N. Y. Filed Mar. 13, 1951.

TWINDOW

For Paper Bags.
Claims use since Feb. 10, 1951.

Ser. No. 611,617. Pioneer Folding Box Company, Chicopee, Mass. Filed Mar. 21, 1951.

For Folding Cardboard and Paperboard Boxes and Cartons, and Cut and Scored Blanks Therefor.
Claims use since May 1948.

Ser. No. 611,760. Chicago Bridge & Iron Company, Chicago, Ill. Filed Mar. 26, 1951. (Sec. 2f.)

VAPORSPHERE

Applicant claims ownership of Registration No. 191,132.
For Unfilled Gas Storage Tanks.
Claims use since Mar. 13, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 556,012. Leo Horwitz, doing business as All-American Leather Goods Company, Chicago, Ill. Filed May 1, 1948.

AIRISTO-PAK

The term "Pak" is disclaimed.
For Suitcases and Brief Cases Made of Leather, Fabric, Fiberboard, and/or Combinations of the Same.
Claims use since February 1948.

Ser. No. 604,237. The Tailored Woman, Inc., New York, N. Y. Filed Sept. 29, 1950. (Sec. 2f.)

BUMBERSHOOT

For Hand Bags.
Claims use since Oct. 29, 1942.

Ser. No. 608,022. I. Smallman & Sons, Paterson, N. J., and New York, N. Y. Filed Dec. 22, 1950.

Citation

For Billfolds, Wallets.
Claims use since January 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 588,342. West Disinfecting Company, Long Island City, N. Y. Filed Nov. 25, 1949.

WESTWAX

For Polishing Wax and Combination Coating and Polishing Wax.
Claims use since Aug. 1, 1949.

CLASS 5

ADHESIVES

Ser. No. 532,447. The Gummed Products Company, Troy, Ohio. Filed Aug. 26, 1947. (Sec. 2f.)

FIBRE-BAK

Applicant claims ownership of Registration No. 298,899.
For Gummed Paper Tape.
Claims use since Aug. 25, 1931.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 571,961. Fritzsche Brothers, Inc., New York, N. Y. Filed Jan. 11, 1949.

TECHNOSCENT

Applicant claims ownership of Registrations Nos. 417,546 and 510,655.
For Liquid Aromatic Chemical Compositions for Use in the Industrial Arts To Destroy, Mask, or Modify Foul or Unpleasant Odors in Such Products as Solvents, Paints, Polishes, Textile Chemicals, Detergents, and Plastics.
Claims use since Mar. 24, 1948.

Ser. No. 576,165. Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia. Filed Mar. 26, 1949.

AFCO

For Insecticides and Agricultural Fungicides.
Claims use since 1940.

Ser. No. 576,446. The Cincinnati Oil Works Co., Cincinnati, Ohio. Filed Apr. 1, 1949.

SAFE-T-SORB

The word "Safe-T" is disclaimed.
For Granular Material To Soak Up Spillages on Floors.
Claims use since Mar. 15, 1949.

Ser. No. 578,870. Dura Starch Co., Philadelphia, Pa. Filed May 14, 1949.

DURA-STARCH

The word "Starch" is disclaimed.
For Liquid Composition, in the Nature of Starch, for Imparting Stiffness to Laundered Articles.
Claims use since Jan. 14, 1949.

Ser. No. 584,214. Acme White Lead & Color Works, Detroit, Mich., now by change of name Acme Quality Paints, Inc. Filed Aug. 30, 1949. (Sec. 2f.)

ACME

Applicant claims ownership of Registrations Nos. 161,036 and 330,528.
For Agricultural Chemicals in the Nature of Insecticides, Fungicides, and Herbicides; and Household and Industrial Germicides and Disinfectants.
Claims use since Jan. 25, 1925.

Ser. No. 588,142. The Perfex Company, Shenandoah, Iowa, now by change of name The Rapp-Ramsey Company. Filed Nov. 21, 1949.

DEXOL

Applicant claims ownership of Registration No. 383,236.
For Laundry Bleach.
Claims use since Nov. 3, 1949.

Ser. No. 589,091. Heintz Manufacturing Company, Philadelphia, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Filed Dec. 9, 1949.

fosdraw

For Chemical Substances Used in Treating Metals Preparatory To Stamping, Drawing, Extruding, or Other Forming or Deforming Operations.
Claims use since Feb. 10, 1948.

Ser. No. 590,022. The Johnson-March Corporation, Philadelphia, Pa. Filed Dec. 28, 1949.

WETSOL

For Wetting Agents for Dust Control Purposes, and in Fighting Fires.
Claims use since April 1945.

Ser. No. 590,421. Carpenter Oil Inc., Des Moines, Iowa. Filed Jan. 6, 1950.

SUPEREX

For Anti-Freeze Solutions for the Engine Cooling Systems of Automobiles and Other Internal Combustion Engines.
Claims use since Sept. 1, 1949.

Ser. No. 597,926. Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Filed May 22, 1950.

Enduro

For Dry Form Sulfur Mixture for Use as a Spray or Dust as an Agricultural Pesticide Including Insecticide, Fungicide, and Herbicide.
Claims use since 1935.

Ser. No. 599,754. Elgin Softener Corporation, Elgin, Ill. Filed June 26, 1950.

ELCOR

For Water Neutralizing Material.
Claims use since Apr. 11, 1950.

Ser. No. 600,222. The Magidiz Co., San Francisco, Calif. Filed July 5, 1950.

MAGIX

Applicant claims ownership of Registrations Nos. 527,419 and 529,406.

For Dyes and Dressings for Leather Goods and the Like.

Claims use since May 23, 1950.

Ser. No. 600,518. United International Research, Inc., Long Island City, N. Y. Filed July 11, 1950.

CLORPAK

For Bleach, Disinfectant, and Water Purifier.

Claims use since June 28, 1950.

Ser. No. 603,684. Huttig Sash & Door Co., St. Louis, Mo. Filed Sept. 18, 1950.

ARMA-SEAL

The word "Seal" is disclaimed. Applicant claims ownership of Registration No. 359,806.

For Liquid Wood Preservative for the Treatment of Lumber and Lumber Products.

Claims use since Aug. 15, 1940.

Ser. No. 605,372. Alfred H. Schmidt, doing business under the assumed name of Portland Shingle Co., Portland, Oreg. Filed Oct. 24, 1950.

BORGANA
BOILER TREATMENT

The words "Boiler Treatment" are disclaimed.

For Chemical Preparation for Control of Scale, Corrosion, Pitting, and Oil in High-Pressure and Heating Boilers, Pipe Lines, and Processing Equipment.

Claims use since Sept. 10, 1949.

Ser. No. 607,526. Thompson-Hayward Chemical Co., Kansas City, Mo. Filed Dec. 9, 1950.

FUMIGAS

For Fumigating Agent for Grains.

Claims use since Dec. 31, 1931.

Ser. No. 607,565. Thompson-Hayward Chemical Company, Kansas City, Mo. Filed Dec. 11, 1950. (Sec. 2f.)

DED-WEED

Applicant claims ownership of Registration No. 431,138.

For Herbicide Consisting of a Mixture of Chemicals for Weed Control in Lawns, Pastures, and for Agricultural Purposes.

Claims use since Sept. 14, 1945.

Ser. No. 607,600. Peel and Campden Limited, London, England. Filed Dec. 12, 1950.

PRUFIT

For Water Proofing Compound.

Claims use since Nov. 1, 1950 in Great Britain; and first used in commerce between the United States and Great Britain on Nov. 1, 1950.

Ser. No. 607,832. The Technicon Company, New York, N. Y. Filed Dec. 18, 1950.

technicon

Applicant claims ownership of Registration No. 529,933.

For Preparations or Histological Reagents for Use in Preparing Histological Specimens for Microscopic Examination—Namely, Fixatives, Dehydrants, Clearing Agents, Hematoxylin, and Eosin Stains.

Claims use since July 1, 1949.

Ser. No. 608,290. Standard Chemical Products, Inc., Hoboken, N. J. Filed Jan. 2, 1951.

STANDAFIN

Applicant claims ownership of Registration No. 400,100.

For Textile Finishing Preparations—Namely, Agents for Improving the Body, Hand, and Drape, Stiffening Agents, Water Repellants, Softening Agents, Dimension-Stabilizing Agents, and Agents for Improving Wash-Fastness, Snag-Proofness, and/or Slip-Proofness.

Claims use since Feb. 23, 1945.

Ser. No. 608,482. Van Dyk & Company, Inc., Belleville, N. J. Filed Jan. 6, 1951.

ESCALOL

For Chemical Compounds for Absorbing Ultraviolet Rays for General Use in the Industrial Arts.

Claims use since January 1935.

Ser. No. 609,702. Schwarz Laboratories, Inc., New York, N. Y. Filed Feb. 6, 1951.

TRIPTIDE

For Glutathione.

Claims use since Dec. 22, 1950.

Ser. No. 610,049. Dropdot Corporation, San Francisco, Calif. Filed Feb. 14, 1951.

DropDot

For Thinner Compound Used To Chemically Mask and Eliminate Overlying Fluorescence Particularly in Selected Areas in the Preparation of Wash Drawing Art Work for Photomechanical Reproduction.

Claims use since Dec. 12, 1950.

Ser. No. 610,268. Heyden Chemical Corporation, New York, N. Y. Filed Feb. 19, 1951.

PARAFYDE

For Polymers of Formaldehyde.

Claims use since Jan. 22, 1951.

Ser. No. 610,329. National Foam System, Inc., West Chester, Pa. Filed Feb. 20, 1951.

NATIONAL

For Fire-Extinguishing Chemicals and Compositions.

Claims use since 1927.

Ser. No. 610,332. Ozark-Mahoning Company, Tulsa, Okla. Filed Feb. 20, 1951.

CHEMICALS OZARK MAHONING

The words "Chemicals" and "Mineral Products" are disclaimed. Applicant claims ownership of Registration No. 537,238.

For Sodium Sulfate, Sulfuric Acid, Hydrochloric Acid, and Fluorophosphoric Compounds Including Monofluophosphoric Acid, Difluphosphoric Acid and Sodium Monofluorophosphate.

Claims use since June 21, 1948.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 608,713. John Hudson Moore, Inc., New York, N. Y. Filed Jan. 12, 1951.

MAGNUM

For Smokers' Pipes.

Claims use since Jan. 4, 1951.

Ser. No. 610,675. Ecusta Paper Corporation, Pisgah Forest, N. C. Filed Mar. 1, 1951.

Grape Brand

The word "Brand" is disclaimed.

For Cigarette Paper.

Claims use since Dec. 20, 1950.

CLASS 10

FERTILIZERS

Ser. No. 611,019. Compost Corporation of America, Oakland, Calif. Filed Mar. 8, 1951.

Com-Co

The drawing is lined to indicate brown and green.

For Organic Fertilizers With Plant Foods Composted From Vegetable Matter With Soil Bacteria.

Claims use since Dec. 1, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 593,307. F. S. Webster Company, Cambridge, Mass. Filed Mar. 2, 1950.

WEBLITHO

For Typewriter Ribbons.

Claims use since Mar. 2, 1949.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 527,350. Western Waterproofing Company, Inc., St. Louis, Mo., assignee of Western Waterproofing Company. Filed July 5, 1947. CONCURRENT USE with Registration No. 346,154 and Serial No. 534,847 for the area comprising the States of Minnesota, North Dakota, South Dakota, Nebraska, Colorado, New Mexico, Texas, Oklahoma, Kansas, Missouri, Arkansas, Louisiana, Mississippi, Alabama, Georgia, Florida, South Carolina, North Carolina, Tennessee; also Iowa (excepting the counties of Lee, Des Moines, Louisa, Muscatine, Scott, Clinton, Jackson, Dubuque, Clayton and Allamakee); that part of Illinois lying south of the northern boundary lines of the counties of Hancock, McDonough, Fulton, Tazewell, McLean, Ford and Vermilion; in Indiana the counties of Sullivan, Greene, Knox, Daviess, Martin, Gibson, Pike, Dubois, Posey, Vanderburgh, Warrick, and Spencer; and Virginia (except the counties of Fairfax and Prince William).

RESTO-CRETE

For Cementitious Materials Adapted for Use in Connection With Waterproofing and Weatherproofing Building Structures.

Claims use since Apr. 1, 1926.

Ser. No. 534,847. Western Waterproofing Company, Detroit, Mich. Filed Sept. 17, 1947. CONCURRENT USE with Registration No. 346,154, and Serial No. 527,350 for the areas comprising all territories of the United States of America except the areas comprising the States of Minnesota, North Dakota, South Dakota, Nebraska, Colorado, New Mexico, Texas, Oklahoma, Kansas, Missouri, Arkansas, Louisiana, Mississippi, Alabama, Geor-

gia, Florida, South Carolina, North Carolina, Tennessee, the State of Iowa (excepting the counties of Lee, Des Moines, Louisa, Muscatine, Scott, Clinton, Jackson, Dubuque, Clayton, and Allamakee); that part of the State of Illinois lying south of the northern boundary lines of the counties of Hancock, McDonough, Fulton, Tazewell, McLean, Ford, and Vermilion; in the State of Indiana the counties of Sullivan, Greene, Knox, Daviess, Martin, Gibson, Pike, Dubois, Posey, Vanderburgh, Warrick, and Spencer; and all of the Commonwealth of Virginia except the counties of Fairfax and Prince William.

RESTO - CRETE

The words "Western Waterproofing Company," "Experts," "Service" and "Co." are disclaimed. Applicant claims ownership of Registration No. 346,154.

For Waterproofing and Weatherproofing Compositions—Namely, Cementitious Materials Adapted for Use in Waterproofing and Weatherproofing Structures.

Claims use since Sept. 10, 1927.

Ser. No. 554,998. Mortarless Tile Machine Co., Inc., Los Angeles, Calif. Filed Apr. 19, 1948. (Sec. 2f.)



The representation of the building block is disclaimed. Applicant claims ownership of Registration No. 246,076.

For Tile, Building Blocks, Wall Blocks, Corner Blocks, and Jamb Blocks.

Claims use since Apr. 15, 1926.

Ser. No. 565,859. Royal Apex Manufacturing Corporation, Brooklyn, N. Y. Filed Sept. 15, 1948.

ROYAL - APEX

For Gutter and Downspout Supports and Accessories Such as Downspout Hooks, C End Caps, and Shanks.

Claims use since Apr. 1, 1936.

Ser. No. 566,733. Wasco Flashing Co., Cambridge, Mass. Filed Oct. 8, 1948.

FABRICOTE

Applicant claims ownership of Registration No. 335,851.

For Flashing Structures, Such as Are Used in Walls or Other Parts of Buildings, Formed of Cotton, Fabric Saturated and Coated With a Bituminous Composition.

Claims use since Aug. 10, 1948.

Ser. No. 593,948. Woodcraft Industries Incorporated, Chicago, Ill. Filed Mar. 14, 1950.

WOODCRAFT

For Wood Flooring of the Composite and Flexible Board Type.

Claims use since Feb. 15, 1950.

Ser. No. 599,652. The Pollak Steel Company, Cincinnati, Ohio. Filed June 23, 1950.

BOND - PLUS

The word "Bond" is disclaimed.

For Steel Reinforcing Bars for Use in Concrete Construction.

Claims use since Mar. 21, 1950.

Ser. No. 599,981. The Sawhill Manufacturing Company, Wheatland, Pa. Filed June 29, 1950.

RED-I-POST

The words "Red" and "Post" are disclaimed. The drawing is lined for black and red.

For Posts for Supporting Floors and the Like.

Claims use since Mar. 1, 1950.

Ser. No. 600,112. American Abrasive Metals Company, Irvington, N. J. Filed July 1, 1950.

AMLOX

For Fused Aluminum Oxide Grains Used To Provide a Non-Slip Surface When Trowelled Into the Top of Concrete Sidewalks, Ramps, Steps, Floors, and Other Similar Tread Surfaces.

Claims use since May 19, 1950.

Ser. No. 601,592. Baltimore Porcelain Steel Corporation, Baltimore, Md. Filed Aug. 2, 1950.

Mirawal

Applicant claims ownership of Registration No. 529,372.

For Porcelain Enameled Thin Metallic Sheets in Flat and Coil Strip Form for Panels, Laminated Panels, and Wall Covering.

Claims use since Oct. 31, 1949.

Ser. No. 601,708. The B & T Metals Company, Columbus, Ohio. Filed Aug. 4, 1950.

Dur-abrite

For Aluminum Moldings and Trims Used in Finishing Linoleum and Other Structural and Ornamental Surfaces.

Claims use since July 5, 1950.

Ser. No. 603,291. The Flintkote Company, New York, N. Y. Filed Sept. 8, 1950.

VITACHROME

For Plastic Composition Flooring Tile.

Claims use since Apr. 27, 1950.

Ser. No. 606,148. E. J. Lavino and Company, Philadelphia, Pa. Filed Nov. 9, 1950.

MONOFILL

For Refractory Concrete.

Claims use since Oct. 12, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 534,568. The Triplex Heating Specialty Company, Incorporated, Peru, Ind. Filed Sept. 15, 1947. (Sec. 2f.)

TRIPLEX

For Control Valves—Namely, Check Valves, Fluid Mixing Valves, Pressure Reducing Valves, High Pressure Relief Valves, Low Pressure Relief Valves, Air Vent Valves, and Differential Relief Valves; and Boiler Plugs.

Claims use since Nov. 1, 1930.

Ser. No. 554,665. Hanna Engineering Works, Chicago, Ill. Filed Apr. 15, 1948. (Sec. 2f.)

Hanna

For Valves—Namely, Pilot Valves, Hand Operated and Foot Operated Valves for Controlling Pneumatic or Hydraulic Power Cylinders and Two-Direction Cylinder Speed Control Valves.

Claims use since Jan. 1, 1936.

Ser. No. 569,363. Eastern States Farmers' Exchange, West Springfield, Mass. Filed Nov. 24, 1948. (Sec. 2f.)



The word "Cooperative" is disclaimed. Applicant claims ownership of Registrations Nos. 184,503, 185,714, and others.

For Spiral Nails.

Claims use since May 1940.

Ser. No. 577,676. Lloyd Chain Manufacturing Co., Maryville, Mo. Filed Apr. 25, 1949. (Sec. 2f.)

LLOYD

For Tire Chains.

Claims use since October 1923.

Ser. No. 581,268. Laufenberg, Inc., Milwaukee, Wis. Filed June 29, 1949.

DRIPNOT

For Drip Trays for Toilet Tanks.

Claims use since Feb. 6, 1948.

Ser. No. 586,906. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Oct. 27, 1949. (Sec. 2f.)



The word "Automatic" and the representation of the goods are disclaimed. Applicant claims ownership of Registrations Nos. 236,969 and 277,512.

For Automatic Sprinkler Apparatus and Parts Thereof for Fire Protection Purposes—Namely, Automatic Sprinkler Valves, Wet Pipe Valves, Dry Pipe Valves, Preaction Valves, Deluge Valves, Sprinkler Heads, Exhausters for Venting Compressed Air From Dry Pipe Sprinkler Systems, and Alarm Valves for Indicating Operation of Sprinkler Systems.

Claims use since January 1910.

Ser. No. 593,390. Bernard Edward Co., Chicago, Ill. Filed Mar. 4, 1950.

beco

For Drapery Hardware of Metal and Plastic—Namely, Tie-Backs, Brackets, Rings, Clips, Festoon Hangers, Traverse Rods, Cranes, and Parts Thereof; Kitchen Ware—Namely, Paper Towel Dispensers, Wax Paper Dispensers, Knife Holders, Combined Spice Set and Towel Dispensers, All Being Made of Plastic and Adapted for Mounting Upon a Kitchen Wall and Having Trunnions for Mounting Standard Rolls of Wax Paper or Paper Towelling as the Case May Be, the Spice Set Including Spice Jars of Glass; Plastic Pastry Molds; Flower and Plant Racks, Stands, Trellises, and Hangers, Made Principally of Plastic and Adapted To Be Mounted Upon Walls or Placed Upon Flat Surfaces for Decorative Purposes Indoors.

Claims use since July 1944.

Ser. No. 602,334. Plastics Engineering Company, Sheboygan, Wis. Filed Aug. 17, 1950.

Natural

For Toilet Seats.

Claims use since Oct. 1, 1948.

Ser. No. 604,610. Plastics Engineering Company, Sheboygan, Wis. Filed Aug. 17, 1950.

PLENCO *Natural*

For Toilet Seats.

Claims use since Jan. 5, 1949.

Ser. No. 607,118. The Carpenter Steel Company, Reading, Pa. Filed Nov. 30, 1950.

TEXROLL

For Stainless Steel, in the Form of Tubing.

Claims use since Oct. 19, 1950.

Ser. No. 608,937. Lilo-Rail of America Inc., Hoboken, N. J. Filed Jan. 18, 1951.

Lilo

The words "Easy Running" and "Cur-Tain Rail" and the representation of the goods are disclaimed.
For Curtain Rails, and Accessories Therefor—Namely, Mounting Brackets, Rails, and Hangers.
Claims use since 1934.

Ser. No. 609,362. Geuder, Paeschke & Frey Co., Milwaukee, Wis. Filed Jan. 29, 1951.

GPF SINCE 1880

The words "Since 1880" and "Milwaukee" are disclaimed.
For Metal Products as Follows: Pots, Pans, Kettles, Funnels and Strainers.
Claims use since May 15, 1949, as shown; and since 1909 as to "G. P. & F."

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 588,793. Felton Aluminum Company, Felton, Calif. Filed Dec. 5, 1949.

FELCO

For Metal Castings.
Claims use since May 9, 1947.

Ser. No. 593,899. American Nickeloid Company, Peru, Ill. Filed Mar. 14, 1950. (Sec. 2f.)

Nickeloid

Applicant claims ownership of Registration No. 324,381.
For Sheet and Strip Metal Plated With Metal.
Claims use since Mar. 1, 1926.

Ser. No. 593,900. American Nickeloid Company, Peru, Ill. Filed Mar. 14, 1950. (Sec. 2f.)

BRASSOID

Applicant claims ownership of Registration No. 181,838.
For Brass-Plated Sheet and Strip Metal.
Claims use since November 1898.

Ser. No. 593,901. American Nickeloid Company, Peru, Ill. Filed Mar. 14, 1950. (Sec. 2f.)

NICKELOID

Applicant claims ownership of Registration No. 33,052.
For Nickel Plated Sheet and Strip Metal.
Claims use since July 1898.

Ser. No. 607,335. Latrobe Electric Steel Company, Latrobe, Pa. Filed Dec. 6, 1950.

ELECTRITE MV

Applicant claims ownership of Registration No. 119,089.
For High Speed Steel.
Claims use since May 28, 1948.

Ser. No. 608,447. Chicago Steel and Wire Company, Chicago, Ill. Filed Jan. 6, 1951.

SUPER-PAK

For Wire for Use in Stapling and Stitching Machines.
Claims use since Sept. 11, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 592,820. Koppers Company, Inc., Pittsburgh, Pa., and New York, N. Y. Filed Feb. 21, 1950. (Sec. 2f.)

Master Craft

Applicant claims ownership of Registration No. 159,242.
For Plain, Molded, Hand-Dipped, Decorative, and Art Candles.
Claims use since Dec. 16, 1920.

Ser. No. 600,760. The Birmingham Small Arms Company Limited, Birmingham, England. Filed July 17, 1950.

B.S.A.

For Lubricating Oils and Greases.
Claims use since 1930; and since July 1950 in commerce between Great Britain and the United States.

Ser. No. 609,322. The Standard Oil Company, Cleveland, Ohio. Filed Jan. 26, 1951.

SOHIOGEL

Applicant claims ownership of Registration No. 235,809.
For All-Purpose Lubricating Grease.
Claims use since Dec. 6, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 547,309. The Black Diamond Paint & Varnish Works, Inc., Cincinnati, Ohio. Filed Jan. 17, 1948.

SEARCH LIGHT

For Interior Paints and Pigmented Sealers for Use as First Coater Paints on Porous Surfaces and New Work.
Claims use since 1916.

Ser. No. 553,199. Interchemical Corporation, New York, N. Y. Filed Mar. 27, 1948.

ELIXIRIN

For Varnish for Application Over Wet Ink Films on Freshly Printed Metal Surfaces.
Claims use since Mar. 18, 1948.

Ser. No. 558,441. Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Filed June 4, 1948.

APCOSEAL

For Flexible Asphaltic Coating Compound for Insulating and Sealing Underbodies of Automobiles, Trucks, and Busses To Silence Body Noises, To Protect Against Road Grime, Corrosive Salts, Rust, and Fumes.
Claims use since Aug. 9, 1947.

Ser. No. 570,642. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 16, 1948.

FARM MASTER

The word "Farm" is disclaimed.
For Roost Paint and Sheep Marking Paint.
Claims use since Jan. 15, 1945.

Ser. No. 580,445. West Disinfecting Company, Long Island City, N. Y. Filed June 14, 1949. (Sec. 2f.)

LASTINCOTE

For Varnish-Like Preparation for Finishing and Treating Floors.
Claims use since November 1932.

Ser. No. 591,158. The Firelure Corporation, San Francisco, Calif. Filed Jan. 20, 1950.

FIREPOWDER

For Paint Pigment.
Claims use since Dec. 14, 1949.

Ser. No. 594,573. F. O. Pierce Company, Long Island City, N. Y. Filed Mar. 24, 1950.

DEW-ALL

For Spar Varnish and Varnish Stain.
Claims use since Mar. 31, 1935.

Ser. No. 607,507. New Method Paint Co., Kansas City, Mo. Filed Dec. 9, 1950.

PEB-O-MIX

The word "Mix" is disclaimed. Applicant claims ownership of Registration No. 442,115.
For Ready Mixed Oil Paint.
Claims use since June 1932.

Ser. No. 609,643. Golden Bear Products, Inc., Beverly Hills, Calif. Filed Feb. 5, 1951.

GOLDEN BEAR

For Liquid Paint and Varnish Remover.
Claims use since Dec. 15, 1950.

Ser. No. 611,944. James B. Day & Co., Chicago, Ill. Filed Mar. 29, 1951.

DU-PROS

For Prepared Shellac, Otherwise Known as Shellac Varnish.
Claims use since Jan. 25, 1926.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 545,909. J. Spohr, Pregassona, Canton Ticino, Switzerland. Filed Dec. 31, 1947. (Sec. 2f.)

Applicant claims ownership of United States Registration No. 212,007, and Swiss Registration No. 53,205, dated Dec. 18, 1922, renewed July 23, 1942, No. 102,564.
For Enzymes Made of Gastric Juice Used for Intestinal Medication.
Claims use since 1923 in Switzerland, and use since 1924 in commerce in the United States of America.

Ser. No. 555,916. James G. Carr, Sr., trading and doing business as Carr's Drug Store, Centreville, Miss. Filed Apr. 30, 1948.

NO-SO-TO

For Remedy for Athlete's Foot.
Claims use since Mar. 1, 1942.

Ser. No. 581,109. Abbott Laboratories, North Chicago, Ill. Filed June 27, 1949.

MACRON

For Hematinic Preparation Intended for Oral Administration in the Treatment of Certain Anemias.
Claims use since June 7, 1949.

Ser. No. 582,321. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware. Filed July 21, 1949.

COMBIOTIC

For Antibiotic Preparation.
Claims use since July 7, 1949.

Ser. No. 585,763. Ortho Pharmaceutical Corporation, Raritan, N. J. Filed Oct. 4, 1949.

Diffusin

For Therapeutic Preparations—Namely, Powdered Enzyme and Enzyme Solution for Use To Enhance the Rate of Subcutaneous Infusion.
Claims use since Aug. 24, 1949.

Ser. No. 585,764. Ortho Pharmaceutical Corporation, Raritan, N. J. Filed Oct. 4, 1949.

Dinovex

For Therapeutic Preparations—Namely, Injectable Estrogenic Solutions.
Claims use since June 30, 1949.

Ser. No. 585,795. Ralph I. Guy, doing business under the fictitious name and style of The Rig Company, Glendale, Calif. Filed Oct. 5, 1949.

101

For Multi-Vitamin and Multi-Mineral Preparation.
Claims use since Mar. 9, 1949.

Ser. No. 587,716. Dolcin Corporation, New York, N. Y. Filed Nov. 14, 1949.

D

For Medicinal Preparation for Use as an Analgesic and for the Relief of the Symptoms of the Various Forms of the Rheumatoid Conditions Including Rheumatism, Arthritis, Rheumatic Fever, Forms of Sciatica and Neuritis, Bursitis, Fibrositis, Myositis, and Lumbago.
Claims use since Jan. 25, 1946.

Ser. No. 588,632. Cia. Johnson & Johnson do Brasil, Sao Paulo, Brazil. Filed Dec. 1, 1949.

GARLICINA

Applicant claims ownership of Brazilian Registration No. 103,831, dated Apr. 26, 1948.
For Pharmaceutical Preparation Used for the Etiological Treatment of Infections Caused by the Shigella, Salmonella and Escherichia-Coli Germs.

Ser. No. 592,477. George Cohen, doing business as Co-Halant Products, Easton, Pa. Filed Feb. 15, 1950.

CO-HALANT

For Chemical Preparation Used in the Treatment of Colds and Bronchitis in Poultry, Consisting of Camphor, Formaldehyde, Oil of Eucalyptus, Creosote, Water, and Oil of Pine.
Claims use since Nov. 1, 1949.

Ser. No. 596,265. Commercial Solvents Corporation, New York, N. Y. Filed Apr. 25, 1950.

NARCOFORM

For Analgesic Composition.
Claims use since Apr. 10, 1950.

Ser. No. 599,037. Usines Chimiques des Laboratoires Francais, Paris, France. Filed June 13, 1950.

UCLAF

Applicant claims ownership of French Registration No. 350,273, dated Feb. 18, 1944.
For Pharmaceutical Compounds—to Wit, Adenosin, Asparagine, Boldine, Choline Chloride, Choline Citrate, Acetylcholine, Digitalin, Esculoside, Estradiol, Estradiol Benzoate, Estrone, Estrone Benzoate, Hematoporphyrin, Histamine Dihydrochloride, Histamine Biphosphate, Histidine, Hordenine, Ouabain, Peptone for Bacteriology, Sparteine, and Tyrosine.
Claims use since June 1, 1944; and since Aug. 30, 1945, in commerce between France and the United States.

Ser. No. 602,619. Nopco Chemical Company, Harrison, N. J. Filed Aug. 23, 1950.

NOPCO FM

The stippling on the drawing represents shading only.
Applicant claims ownership of Registrations Nos. 257,124, 257,678, and others.
For Fat-Soluble Vitamin Concentrates.
Claims use since March 1947.

Ser. No. 602,620. Nopco Chemical Company, Harrison, N. J. Filed Aug. 23, 1950.

NOPCO 400

The stippling on the drawing represents shading only.
Applicant claims ownership of Registrations Nos. 257,124, 257,678, and others.
For Fat-Soluble Vitamin-Containing Glyceride Oils.
Claims use since March 1946.

Ser. No. 602,621. Nopco Chemical Company, Harrison, N. J. Filed Aug. 23, 1950.

NopcoX

The stippling on the drawing represents shading only.
Applicant claims ownership of Registrations Nos. 257,678, 272,420, and others.
For Fat-Soluble Vitamin-Containing Glyceride Oils.
Claims use since February 1948.

Ser. No. 606,572. Sherwood Refining Company, Inc., Englewood, N. J. Filed Nov. 17, 1950. (Sec. 2f.)

"PURWHITE"

Applicant claims ownership of Registration No. 276,912.
For Petrolatum or Petroleum Jelly and White Mineral Oils for Medicinal Use.
Claims use since Apr. 1, 1926.

Ser. No. 606,787. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

OREX 4

For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.
Claims use since January 1950.

Ser. No. 606,788. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

OREX 12

For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.
Claims use since January 1950.

Ser. No. 606,789. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

OREX 16

For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.
Claims use since January 1950.

Ser. No. 606,799. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

QUADREX

For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.
Claims use since August 1947.

Ser. No. 606,800. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

SUPER DREX 75

The word "Super" is disclaimed.
For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.
Claims use since January 1950.

Ser. No. 606,901. Mrs. Dessa Senlf, doing business as Indian River Medicine Company, and The Nu-Becol Company, La Follette, Tenn. Filed Nov. 24, 1950.

NU-BECOL

For Dietary Supplement Containing Vitamins and Minerals.
Claims use since Oct. 20, 1950.

Ser. No. 607,103. True-Health Chemical Products Corporation, Bradford, Pa. Filed Nov. 29, 1950.

DENIUM

For Enzyme Inhibitor for the Prevention of Dental Caries.
Claims use since Nov. 3, 1949.

Ser. No. 609,169. Dione Associates, Hollywood, Calif. Filed Jan. 24, 1951.

dancing feet

The word "feet" is disclaimed.
For Medicated Foot Cream.
Claims use since June 26, 1950.

Ser. No. 609,754. Wyeth Incorporated, Philadelphia, Pa. Filed Feb. 7, 1951.

PELESTROL

For Diethylstilbestrol Implantation Pellets for Veterinary Use.
Claims use since Jan. 11, 1951.

Ser. No. 610,456. Parke, Davis & Company, Detroit, Mich. Filed Feb. 23, 1951.

MILONTIN

For Anticonvulsant Preparation.
Claims use since Jan. 26, 1951.

Ser. No. 610,490. E. Bilhuber, Inc., Orange, N. J. Filed Feb. 24, 1951.

Tensodin

For Medicinal Agent Useful as an Antispasmodic and Analgesic.
Claims use since Feb. 8, 1951.

Ser. No. 610,899. Guy T. Funk, Winston-Salem, N. C. Filed Mar. 6, 1951.

ISO-TARP

For Liniment.
Claims use since Aug. 30, 1950.

Ser. No. 611,016. Chicago Pharmacal Company, Chicago, Ill. Filed Mar. 8, 1951.

JUNITONIC

For Preparation Used To Increase the Appetite, Assist Assimilation and Raise the Hemoglobin Content of the Blood.
Claims use since Oct. 20, 1944.

Ser. No. 611,083. Ferris & Ferris, doing business under the name and style of The Soovain Co., San Diego, Calif. Filed Mar. 9, 1951.

SOOVAIN

For Medicinal Preparation for the Treatment of Headaches, Neuralgia, Muscular Soreness, and the Common Cold.
Claims use since February 1926.

Ser. No. 611,194. S. Pfeiffer Manufacturing Co., St. Louis, Mo. Filed Mar. 12, 1951.

ASCAREL

For Anthelmintic Remedy in Liquid Form.
Claims use since Feb. 5, 1951.

Ser. No. 611,231. The Mara Laboratories, Inc., Harrison, N. J. Filed Mar. 13, 1951.

PROBESE

For Medicinal Preparation in Capsule Form for Treatment of Obesity.
Claims use since Dec. 3, 1950.

Ser. No. 611,282. Laboratoires Francais de Chimiotherapie, Paris, France. Filed Mar. 14, 1951.

BACTYLAN

Applicant claims ownership of French Registration No. 393,993, dated May 5, 1949.
For Medicinal Preparation Containing Sodium Para-Amino-Salicylate.

Ser. No. 611,284. Laboratoires Francais de Chimiotherapie, Paris, France. Filed Mar. 14, 1951.

Stérandryl

Applicant claims ownership of French Registration No. 383,584, dated Feb. 5, 1948.
For Medicinal Hormone Preparation.

Ser. No. 611,285. Laboratoires Francais de Chimiotherapie, Paris, France. Filed Mar. 14, 1951.

SYNCORTYL

Applicant claims ownership of French Registration No. 327,402, dated May 19, 1939.
For Medicinal Hormone Preparation.

Ser. No. 611,315. Schenley Laboratories, Inc., New York, N. Y. Filed Mar. 14, 1951.

APFISOL

For Products Used as Mixing Ingredients in Poultry, Livestock, and Other Animal Feeds and Containing Vitamin B_{12}.
Claims use since Dec. 27, 1950.

CLASS 19

VEHICLES

Ser. No. 610,729. Aerol Co. Inc., Burbank, Calif. Filed Mar. 2, 1951.

AIRLITE

For Wheels for Industrial Trucks.
Claims use since May 1947.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 593,836. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Filed Mar. 11, 1950.



For Hard Surface Floor and Wall Coverings of Linoleum and Linoleum Substitutes—Namely, Those Containing a Synthetic or Natural Plastic Ingredient, Sold in Rolls or Cut Into Rugs, Strips, Mats, or Tiles.
Claims use since June 2, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 599,714. John Meck Industries, Inc., Plymouth, Ind. Filed June 24, 1950.

"ISO-RAMIC"

For Electrical Apparatus—Namely, Television Receiving Sets, Combination Television Receiving and Radio Receiving Sets, and Combination Television Receiving Sets, Radio Receiving Sets, and Record Players.
Claims use since October 1949.

Ser. No. 601,352. Ferrar Radio & Television Corp., New York, N. Y. Filed July 28, 1950.

BABY SITTER

For Electronic Voice Transmitter for Use in Conjunction With a Radio Receiver Whereby the Voice Transmitted Is Reproduced by the Receiver Without the Aid of Interconnecting Wired Circuits.
Claims use since Jan. 5, 1950.

Ser. No. 617,516. Sorensen & Company, Inc., Stamford, Conn. Filed Aug. 9, 1951.

Isotronic

For Devices for Delivering Power Differing in One or More Characteristics From Its Input Power, i. e., Line Voltage Regulators, Frequency Changers, Regulated Rectifiers, Converters, Inverters, Power Supply, Generator Field Supply.
Claims use since July 10, 1951.

Ser. No. 617,591. Switchcraft, Inc., Chicago, Ill. Filed Aug. 11, 1951. (Sec. 2f.)

SWITCHCRAFT

Applicant claims ownership of Registration No. 506,591.
For Electrical Goods—Namely, Phone Jacks, Phone Plugs, Rotary Switches, Push Button Switches, Stack Switches, Switch Assemblies, and Parts Therefor.
Claims use since Mar. 6, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 555,121. Wallace Industries, Seattle, Wash., by change of name from Wallace Toys. Filed Apr. 20, 1948.

"HIGHLINER"

For Artificial Fish Lures.
Claims use since Jan. 27, 1948.

Ser. No. 582,535. Lur-All Tackle and Manufacturing Company, Berkley, Mich. Filed July 26, 1949. (Sec. 2f.)

Lur-All

For Artificial Fish Baits.
Claims use since Apr. 28, 1934.

Ser. No. 588,673. American Machine & Foundry Company, New York, N. Y. Filed Dec. 2, 1949.

PERMABASE

For Bottoms, Bases, and Inserts, Preferably of Wear Resisting and Wear Preventing Materials, Adapted To Be Attached to the Bases of Bowling Pins and Form a Part Thereof, and Bowling Pins.
Claims use since Apr. 18, 1949.

Ser. No. 589,206. The Firelure Corporation, San Francisco, Calif. Filed Dec. 12, 1949.

FIRELURE

Applicant claims ownership of Registration No. 519,063.
For Fishing Rods, Fishing Reels, Fishing Plugs, Artificial Fishing Flies, Artificial Fishing Lures, Fishing Spinners, Fishing Hooks, Fishing Leaders, Fishing Line, Artificial Fly-Tying Fibre and Rod Wrapping Thread.
Claims use since Mar. 3, 1949.

Ser. No. 590,112. Tudor Metal Products Corp., Brooklyn, N. Y. Filed Dec. 29, 1949.

TRU-ACTION

For Indoor Board Games Which Simulate Football, Baseball, and Horse Racing.
Claims use since July 7, 1949.

Ser. No. 590,511. Lur-All Tackle and Manufacturing Company, Berkley and Royal Oak, Mich. Filed Jan. 7, 1950. (Sec. 2f.)

Beetle Bug

For Artificial Fish Bait.
Claims use since 1934.

Ser. No. 593,541. Robert J. Kerdasha, Woodcliff, N. J. Filed Mar. 7, 1950.

NAVY VS. AIR FORCE

For Game Played With Two Boards With Holes Therein, One Representing the Navy and One Representing the Air Force, and Pegs Placed in the Holes by the Player When Making So-Called "Shots."
Claims use since Feb. 14, 1950.

Ser. No. 598,783. Childlore Company, North Kansas City, Mo. Filed June 8, 1950.

CHILDLORE

For Wheeled Pull Toys.
Claims use since June 11, 1949.

Ser. No. 602,097. Langley Corporation, San Diego, Calif. Filed Aug. 11, 1950.



The drawing is lined to indicate the color red, but color is not claimed as an essential characteristic of the mark.
For Fishing Rods.
Claims use since May 10, 1950.

Ser. No. 602,155. Joseph H. Kerr, doing business as Quota Games, Lewisburg, Pa. Filed Aug. 14, 1950.

Quota

For Card Game.
Claims use since Feb. 28, 1950.

Ser. No. 609,945. R & F Co. Inc., New York, N. Y. Filed Feb. 10, 1951.

HAPPY THE SMILING BUNNY

The word "Bunny" is disclaimed.
For Floating Water Toys of Various Design, Shape, and Form Made of Wood, Fabric, Rubber, Plastic, and Metal.
Claims use since Jan. 22, 1951.

Ser. No. 612,616. Ideal Toy Corporation, Hollis, N. Y. Filed Apr. 13, 1951.

ALGY

For Stuffed Toy Animals and Stuffed Dolls.
Claims use since Feb. 10, 1951.

Ser. No. 616,891. Automatic Baseball Equipment Corporation, Baltimore, Md. Filed July 25, 1951.

OVERHAND JOE

The word "Overhand" is disclaimed.
For Automatic Baseball Pitching Machines.
Claims use since Mar. 1, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 540,307. Nye Tool Company, Chicago, Ill. Filed Nov. 6, 1947. (Sec. 2f.)

THIS IS THE GENUINE NYE SELF TOOTH BIT

All wording is disclaimed except the word "Nye." Applicant claims ownership of Registration No. 253,223.
For Thread-Cutting Dies.
Claims use since January 1904.

Ser. No. 591,390. Webster Electric Company, Racine, Wis. Filed Jan. 24, 1950.

W

Applicant claims ownership of Registrations Nos. 271,763, 376,725, and others.
For Pumps—Namely, Oil Burner Fuel Pumps Including Fuel Strainers and Pressure Regulating Valves and Parts Thereof, Lubricating Pumps, and Pumps for Use in Power Hydraulic Apparatus; and Thermostatically Controlled Variable Diameter Pulleys, and V-Pulleys.
Claims use since July 1, 1932.

Ser. No. 591,677. Paul Hainke, doing business as The Paul Hainke Mfg. Co., Hutchinson, Kans. Filed Jan. 30, 1950.

MULTIVATOR

For Hand and Power Operated Garden Plows and Tractors and Parts Thereof.
Claims use since Jan. 12, 1950.

Ser. No. 592,425. Hapman Conveyors, Inc., Detroit, Mich. Filed Feb. 14, 1950.

CABLE-VEYOR

The term "Cable" is disclaimed.
For Flight Conveyors.
Claims use since Feb. 1, 1949.

Ser. No. 595,344. Utica Cutlery Company, Utica, N. Y. Filed Apr. 6, 1950.

"AMERICAN MAID"

The word "American" is disclaimed.
For Household Knives—Namely, Table Knives, Paring Knives, and Grapefruit Knives; Pocket Knives, Hunting Knives, Fishing Knives, Butchers' Knives, Cleavers, Spatulas and Forks.
Claims use since December 1949.

Ser. No. 597,341. Geo. W. King Limited, Hitchin, England. Filed May 12, 1950.

MARVEX

Applicant claims ownership of British Registration No. 664,285, dated Nov. 21, 1947.
For Chain Pulley Blocks.

Ser. No. 598,624. American Hollow Boring Company, Erie, Pa. Filed June 6, 1950.

HOLL-O-TORQ

For Drill Collars.
Claims use since Jan. 30, 1950.

Ser. No. 600,531. William T. Buckens, doing business as Buckens Mfg. Co., Bridgeport, Conn. Filed July 12, 1950.

Dollit

For Mechanical Letter Opener.
Claims use since Apr. 4, 1950.

Ser. No. 601,283. Sossner Tap and Tool Corporation, New York, N. Y. Filed July 26, 1950.

ELEKTRA-PROCESS

The word "Process" is disclaimed.
For Threading Taps.
Claims use since May 1, 1950.

Ser. No. 601,765. The Victaulic Company Limited, London, England. Filed Aug. 4, 1950.

VIKING

For Tube Expanding Tools (Without a Cutting Edge).
Claims use since June 27, 1950, in Great Britain; and use in commerce between United States and Great Britain since June 27, 1950.

Ser. No. 604,380. Alvin Murchison, Brooklyn, N. Y. Filed Oct. 3, 1950.

MESH-MOVE

The word "Move" is disclaimed.
For Mechanical and Hand Operated Tools Incorporating Honing and Whetting Stones and Other Sharpening Members for Sharpening, Honing, and Conditioning Knives, Cleavers, Scissors, and Razors.
Claims use since January 1950.

Ser. No. 604,414. American Die & Tool Co., Inc., Reading, Pa., assignor to Quentin C. Sternbergh and Solon A. Sternbergh, co-partners, trading and doing business as West Shore Machine Company. Filed Oct. 4, 1950.

REDY RIGID

The word "Rigid" is disclaimed.
For Tool Holders for Rigidly Holding Tool Bits for Use in Lathes, Shapers, Planers, and the Like.
Claims use since Oct. 31, 1949.

Ser. No. 610,148. J. A. Sexauer Mfg. Co., Inc., New York, N. Y. Filed Feb. 15, 1951.



For Toilet Bowl Force Cups and Plumber Friends.
Claims use since 1926.

Ser. No. 611,358. Mary Catherine Harter, doing business as H & M Pipe Beveling Machine Co., Tulsa, Okla. Filed Mar. 15, 1951.

H&M

For Pipe Beveling Machines.
Claims use since Jan. 8, 1936.

Ser. No. 611,561. Crescent Tool Company, Jamestown, N. Y. Filed Mar. 20, 1951.

Crescent Tools

Applicant claims ownership of Registrations Nos. 67,460 and 299,305.
For Wrenches, Pliers, Nail Pullers, Hack Saw Frames, Hack Saw Blades, Screwdrivers, Tinners' Snips, Punches and Chisels, Scratch Awls, and Parts for Wrenches and Pliers.
Claims use since October 1948.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 589,647. The Diamond Match Company, New York, N. Y. Filed Dec. 20, 1949. (Sec. 2f.)

IRON-KLAD

Applicant claims ownership of Registration No. 274,754.
For Clothespins.
Claims use since Sept. 25, 1928.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 551,047. Sawyer's Inc., Portland, Oreg., assignee of Rock Island Bridge and True-Vue Corporation, formerly Rock Island Bridge & Iron Works. Filed Mar. 2, 1948. (Sec. 2f.)

Tru-Vue

Applicant claims ownership of Registration No. 309,813.
For Stereoscopes and Films Upon Which Photographic Images Have Been Positively Developed.
Claims use since Apr. 15, 1931.

Ser. No. 573,391. W. M. Welch Manufacturing Company, Chicago, Ill. Filed Feb. 5, 1949.

MAGNEPHOT

For Photosensitive Light Measuring or Indicating Instruments.
Claims use since November 1948.

Ser. No. 576,741. Sidney Brawer, doing business as Tri-Ads Company, Los Angeles, Calif. Filed Apr. 7, 1949.

Trimensional Photography By
TRI-ADS CO.

The words "Photography by" and "Ads" and the abbreviation "Co." are disclaimed.
For Slide Transparencies of Stereoscopic Pictures in Natural Color.
Claims use since Jan. 5, 1949.

Ser. No. 591,843. Ercona Camera Corporation, New York, N. Y. Filed Feb. 2, 1950.

PRIMARREFLEX

For Cameras.
Claims use since Nov. 30, 1949.

Ser. No. 603,620. Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Filed Sept. 12, 1950.



Applicant claims ownership of Italian Registration No. 84,077, dated Dec. 13, 1948.
For Lenses for Spectacles.

Ser. No. 603,688. Kay Electric Company, Pine Brook, N. J. Filed Sept. 18, 1950.

MARKA-SWEEP

The word "Sweep" is disclaimed.
For Switching Apparatus for Selecting Any One of a Number of R. F. Channels as Well as Giving a Correct Picture and Sound Carrier Markers for Adjusting the Shape of the Pass Band of an Amplifier and Then Displaying Said Shape on a Cathode Ray Tube. The Apparatus Is To Be Utilized in Connection With Testing and Adjusting Radio, Television, and Associated Equipment.
Claims use since March 1950.

Ser. No. 606,248. Willson Products, Inc., Reading, Pa. Filed Nov. 10, 1950.

WELD-AID

The word "Weld" is disclaimed.
For Lenses for Face Protecting Helmets and Hand Shield Vision Slits.
Claims use since Oct. 24, 1950.

Ser. No. 608,426. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Filed Jan. 5, 1951.

COLORGRAFIC

For Panels Completely Assembled With Indicating or Recording Gauges and Also Handles for Controllers for Industrial Processes.
Claims use since Feb. 17, 1950.

Ser. No. 610,982. Laboratory Industries, Inc., Chicago, Ill. Filed Mar. 7, 1951.

ALUMALOY

For Laboratory Clamps.
Claims use since Aug. 9, 1950.

Ser. No. 615,445. Ercona Camera Corporation, New York, N. Y. Filed June 20, 1951.

Dollina

For Cameras.
Claims use since March 1951.

Ser. No. 615,446. Ercona Camera Corporation, New York, N. Y. Filed June 20, 1951.

Primotar

For Photographic Lenses.
Claims use since July 1950.

Ser. No. 615,972. The Conde Nast Publications, Inc., New York, N. Y. Filed July 2, 1951.

Vogue

COUTURIER DESIGN

The words "Couturier Design" are disclaimed.
For Paper Dress Patterns.
Claims use since October 1931.

Ser. No. 616,470. American Optical Company, Southbridge, Mass. Filed July 14, 1951.

Apergon

For Optical Objectives.
Claims use since Oct. 13, 1950.

Ser. No. 616,817. Clary Multiplier Corporation, San Gabriel, Calif. Filed July 23, 1951.

CALCULISTER

For Computing Machines.
Claims use since June 5, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 603,299. Kalex Corporation, New York, N. Y. Filed Sept. 8, 1950.



For Clocks.
Claims use since July 12, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 571,063. R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Filed Dec. 23, 1948.

Romance of the Sea

For Sterling Silver Flatware.
Claims use since Dec. 17, 1948.

Ser. No. 574,352. Owen D. Edwards, doing business under the firm name and style of Don Edwards Jewelry, Fresno, Calif. Filed Feb. 23, 1949. (Sec. 2f.)

DON EDWARDS

"Don Edwards" is the name of Owen Don Edwards, the applicant.
For Jewelry—Namely, Sterling Silver and Silver-Plated Flatware and Hollow Ware; Diamonds, and Jewelry for Personal Wear—Namely, Finger Rings, Bracelets, Necklaces, Earrings, Pendants, Lapel Pins, Watch Chains, and Watch Charms.
Claims use since December 1927.

Ser. No. 576,812. Ketcham & McDougall, Inc., East Orange, N. J. Filed Apr. 8, 1949.

PAT

Applicant claims ownership of Registration No. 355,741.
For Watch Guards and Retracting Key Chains, Made in Whole of, in Part of, or Plated With Precious Metal.
Claims use since 1938.

Ser. No. 598,005. Mrs. Anna Mae Cole, Yachats, Oreg. Filed May 24, 1950.

FRITZIE'S

For Cast Plastic Costume Jewelry.
Claims use since Mar. 14, 1949.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 610,225. James M. Oberti, doing business as Oberti Manufacturing Company, San Francisco, Calif. Filed Feb. 17, 1951. (Sec. 2f.)

CURV-ACTION

Applicant claims ownership of Registration No. 287,403.
For Curved Floor Squeegees, Straight Floor Squeegees, Curved Floor Brushes, and Straight Floor Brushes.
Claims use since July 1930.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 601,573. Shenango Pottery Company, New Castle, Pa., assignor to Peoples First National Bank and Trust Company, Pittsburgh, Pa., a national banking association. Filed Aug. 1, 1950. (Sec. 2f.)

SHENANGO

For Vitrified Dishware.
Claims use since Sept. 30, 1909.

Ser. No. 601,574. Shenango Pottery Company, New Castle, Pa., assignor to Peoples First National Bank and Trust Company, Pittsburgh, Pa., a national banking association. Filed Aug. 1, 1950. (Sec. 2f.)

Inca

For Vitrified Dishware.
Claims use since Jan. 1, 1912.

Ser. No. 601,575. Shenango Pottery Company, New Castle, Pa., assignor to Peoples First National Bank and Trust Company, Pittsburgh, Pa., a national banking association. Filed Aug. 1, 1950.



For Vitrified Dishware.
Claims use since Jan. 1, 1927.

Ser. No. 601,576. Shenango Pottery Company, New Castle, Pa., assignor to Peoples First National Bank and Trust Company, Pittsburgh, Pa., a national banking association. Filed Aug. 1, 1950.



For Vitrified Dishware.
Claims use since Jan. 1, 1912.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 604,390. Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Filed Oct. 3, 1950. (Sec. 2f.)

ROSS

For Jacket Water Coolers, Lubricating Oil Coolers and Gas Coolers.
Claims use since Nov. 28, 1933.

Ser. No. 604,392. Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Filed Oct. 3, 1950. (Sec. 2f.)

ROSS

For Jacket Water Coolers, Lubricating Oil Coolers, and Gas Coolers.
Claims use since Oct. 29, 1943.

Ser. No. 606,104. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")

WESTINGHOUSE W

Applicant claims ownership of Registrations Nos. 103,016, 103,017, 111,113, 118,722, 150,168, 156,578, 284,152, 284,825, 294,092, 295,921, 297,565, 298,763, 299,083, 306,021, 317,198, 318,247, 325,267, 332,993, 338,260, 336,346, 336,403, 348,410, 349,302, 351,073, 354,878, 377,361, 378,744, 392,028, 407,395, 425,356, and 521,736.
For Electric Commercial Refrigerators and Parts Therefor; Electric Household Refrigerators and Parts Therefor; Electric Water, Beverage, and Bottle Coolers and Parts Therefor; Electric Milk Coolers and Parts Therefor; Electric Home-Freezers and Parts Therefor; Domestic and Commercial Refrigeration Units and Parts Therefor; Evaporative Condensers for Air Conditioning Units and Electric Refrigerator Merchandise Vending Machines and Parts Therefor.
Claims use since June 1, 1941.

Ser. No. 613,964. Avco Manufacturing Corporation, Cincinnati, Ohio. Filed May 17, 1951.

Shelvador

Applicant claims ownership of Registration No. 304,471.
For Electric Refrigerators and Home Freezers.
Claims use since Feb. 7, 1933.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 556,285. The Philip Carey Manufacturing Company, Cincinnati, Ohio. Filed May 5, 1948. (Sec. 2f.)

Miami-Carey

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.
For Bath Room Cabinets.
Claims use since July 1, 1941.

Ser. No. 586,570. John D. Sweeney, doing business under the name and style of The Opticon Co., St. Louis, Mo. Filed Oct. 19, 1949.



For Multiple-Image Assemblies Embodying a Plurality of Mirrors To Enhance the Optical Display of Merchandise.
Claims use since Feb. 11, 1948.

Ser. No. 602,040. Libbey-Owens-Ford Glass Company, Toledo, Ohio. Filed Aug. 10, 1950.

L O F GLASS

The word "Glass" is disclaimed. Applicant claims ownership of Registrations Nos. 118,792, 285,973, and 384,518.
For Front Surface Mirrors, Rear Surface Mirrors, and Transparent Mirrors.
Claims use since June 9, 1950.

Ser. No. 604,977. Lorraine Novelty Manufacturing Company, Incorporated, Bridgeport, Conn. Filed Oct. 16, 1950.

LEG-O-MATIC

The word "Leg" is disclaimed. Applicant claims ownership of Registration No. 270,124.
For Folding Chairs.
Claims use since 1931.

Ser. No. 605,966. National Puff Company, Brooklyn, N. Y. Filed Nov. 6, 1950.

Glamour House

The word "House" is disclaimed.
For Furniture Slip Covers.
Claims use since July 1, 1950.

CLASS 33

GLASSWARE

Ser. No. 602,036. Libbey-Owens-Ford Glass Company, Toledo, Ohio. Filed Aug. 10, 1950.

L O F GLASS

The word "Glass" is disclaimed. Applicant claims ownership of Registrations Nos. 285,973 and 384,518.
For Window Glass, Plate Glass, Laminated Glass, Special Heat-Treated Glass, Translucent Glass, Opaque Glass, Transparent Mirrored Glass; and Sheets or Plates of Glass Coated With Transparent Oxide for Use in Vehicle Windows, Radio Control Towers, and Other Places Where De-Icing or Electrostatic Dissipation or Radio Frequency Shielding Is Desired.
Claims use since May 31, 1950.

Ser. No. 602,037. Libbey-Owens-Ford Glass Company, Toledo, Ohio. Filed Aug. 10, 1950.

L O F

Applicant claims ownership of Registrations Nos. 285,973 and 384,518.
For Window Glass, Plate Glass, Laminated Glass, Special Heat-Treated Glass, Translucent Glass, Opaque Glass, Transparent Mirrored Glass; and Sheets or Plates of Glass Coated With Transparent Oxide for Use in Vehicle Windows, Radio Control Towers, and Other Places Where De-Icing or Electrostatic Dissipation or Radio Frequency Shielding Is Desired.
Claims use since May 31, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 584,704. Swett Bros. Heating and Appliance Company, Springfield, Mass. Filed Sept. 10, 1949.



For Packaged Members Made From Sheet Metal and Shaped for Assembly To Form, When Assembled, Housings, Ducts, and Enclosures for Ventilating, Heating, and Air Conditioning Systems.
Claims use since June 1, 1949.

Ser. No. 602,610. N. R. Feldman, doing business as Miracle Breeze Cooler Manufacturing Company, Tucson, Ariz. Filed Aug. 23, 1950.

MIRACLE BREEZE

The word "Breeze" is disclaimed.
For Electrically Operated Evaporative Type Cooler for Use in Cooling and Conditioning Air for Use Principally in Offices and Homes.
Claims use since June 15, 1948.

Ser. No. 603,553. Spontane Mfg. Company, Atlanta, Ga. Filed Sept. 14, 1950.

SPONTANE

For Steam Cleaning Machines, Comprising Boiler, Hose, and Pump, Operated Under Pressure and Sold as a Unit for Use in Cleaning Buildings and the Like.
Claims use since Jan. 1, 1950.

Ser. No. 608,012. Roger E. Moulton, doing business as Hen-Hawk Equipment Co., Portsmouth, N. H. Filed Dec. 22, 1950.

HEN-HAWK

For Incinerators.
Claims use since Nov. 10, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 570,873. The Mohawk Rubber Company, Akron, Ohio. Filed Dec. 20, 1948.

MOPRENE

For Natural or Synthetic Rubber; Known as Camelback for Retreading and Recapping Vehicle Tires.
Claims use since Oct. 11, 1948.

Ser. No. 581,645. Brummer Manufacturing Corporation, Chicago Heights, Ill. Filed July 8, 1949. (Sec. 2f.)

BRUMMER

For Annular Seals Between Relatively Rotatable Structures.
Claims use since July 1, 1944.

Ser. No. 594,234. Raybestos-Manhattan, Inc., Passaic, N. J. Filed Mar. 18, 1950.

versi-pak

The word "Pak" is disclaimed.
For Non-Jacketed Plastic Composition Packing for General Industrial Use.
Claims use since Feb. 21, 1950.

Ser. No. 605,629. The H. O. Canfield Co., Bridgeport, Conn. Filed Oct. 31, 1950.

H

For Rubber Parts for Assembly of Aircraft—Namely, Flat Bibb, Beveled Bibb, Syphon, Tank, and Spud Washers; Bath, Sink, and Basin Gaskets.
Claims use since May 20, 1949.

Ser. No. 609,021. Yarnall-Waring Company, Philadelphia, Pa. Filed Jan. 19, 1951.

FRELON

For Gaskets for Liquid Level Gages.
Claims use since Dec. 5, 1950.

Ser. No. 610,194. Surveys, Inc., Trenton, N. J. Filed Feb. 16, 1951.

SYNSEAL

For Thermoplastic Valve and Pump Packing.
Claims use since Dec. 1, 1950.

Ser. No. 612,657. Laher Spring and Tire Corporation, Oakland, Calif. Filed Apr. 14, 1951.

RICHBOND

For Automobile and Truck Pneumatic Tires.
Claims use since Apr. 10, 1951.

CLASS 39

CLOTHING

Ser. No. 544,621. Universal Manufacturing Corporation, Chelsea, Mass., assignor to Corman Leather Company, Inc., Chelsea, Mass. Filed Dec. 17, 1947.

ATCO

For Men's Boots and Shoes, and Boot and Shoe Findings—Namely, Heels, Soles, Taps, Heel-Lifts, Boot-Straps, and Welts.
Claims use since Mar. 17, 1947.

Ser. No. 545,226. Brand and Puritz, Kansas City, Mo. Filed Dec. 23, 1947.

Junior-Lane

The word "Junior" is disclaimed. The name "Junior Lane" is fictitious. Applicant claims ownership of Registration No. 368,542.
For Ladies', Misses', and Children's Coats and Suits.
Claims use since Nov. 15, 1937.

Ser. No. 589,050. Tricosa, Paris, France. Filed Dec. 8, 1949.

Jerlaine

The drawing is lined for shading. Applicant claims ownership of French Registration No. 380,420, dated Sept. 24, 1947.
For Knitted Outer Wear—Namely, Sweaters Made in Whole or in Substantial Part of Wool.
Claims use since Sept. 24, 1947, in France; and first used in commerce between France and the United States on Dec. 4, 1949.

Ser. No. 589,051. Tricosa, Paris, France. Filed Dec. 8, 1949.

TRICOSA

The drawing is lined for shading. Applicant claims ownership of French Registration No. 380,419, dated Sept. 24, 1947.
For Knitted Outer Wear—Namely, Sweaters.
Claims use since Sept. 24, 1947, in France; and first used between France and the United States on Dec. 4, 1949.

Ser. No. 599,301. Bernhard Altmann, New York, N. Y. Filed June 17, 1950.

SELFIX

Applicant claims ownership of Registrations Nos. 352,957, 365,296, 398,272, and 398,501.
For Ladies', Men's, and Children's Sweaters, Ladies' and Men's Coats and Sport Jackets, Ladies' and Men's Mufflers, Ladies' and Men's Lounging Robes, Ladies' and Men's Under Shirts and Outer Shirts, Ladies' Dresses and Hosiery, Ladies', Men's, and Children's Overcoats, Gabardines, Underwear, and Vests and Ladies' Shawls.
Claims use since 1926.

Ser. No. 600,736. Paramount Children Dress Co., Inc., New York, N. Y. Filed July 15, 1950. (Sec. 2f.)

Pre-teen

Applicant claims ownership of Registration No. 410,006.
For Girls' and Children's Dresses and Blouses.
Claims use since Sept. 7, 1943.

Ser. No. 602,961. Laros Textiles Company, Bethlehem, Pa. Filed Aug. 30, 1950. (Sec. 2f.)

Laros

Applicant claims ownership of Registrations Nos. 280,568, 367,158, 508,051, 337,342, 393,703, 295,469, and 357,636.
For Children's Vests, Bloomers, Pajamas, Panties, Union Suits, Undershirts, Slips, Slipovers (Petticoats), and Nighties Made of Cotton, Wool, Silk, Rayon, and Mixed Silk and Rayon; Ladies' Vests, Step-ins (Underdrawers), Bloomers, Chemises, Pajamas, Panties, Combinettes (Combination of Bandeau and Either Bloomers or Drawers), Slips, Undershirts, Under Shorts, Bobbettes (Short Underdrawers), Nightgowns, Bandeaux or Brassières, Pajama Coats, Lounging Robes, Singletons (Combination Garment of Brassière and Panties), Bloomer Chemises, Dance Sets (Combination of Brassière and Panties), and Union Suits Made of Cotton Wool Silk Rayon, and Mixed Silk and Rayon; and for Men's Pajamas, Undershirts, Drawers, Under Shorts, and Union Suits Made of Cotton, Wool, Silk, Rayon, and Mixed Silk and Rayon.
Claims use since September 1927.

Ser. No. 605,262. Petersen & Dekke A/S, Hop, near Bergen, Norway. Filed Oct. 21, 1950.

Pevek

Applicant claims ownership of Norwegian Registration No. 28,413, dated Dec. 11, 1940.
For Underwear, Stockings, and Socks for Men, Women, and Children.

Ser. No. 606,285. Factory Outlet Shoe Store, Inc., San Antonio, Tex. Filed Nov. 13, 1950.

Josef di Carlo

The name "Josef di Carlo" is fictitious.
For Ladies' Shoes.
Claims use since June 15, 1948.

Ser. No. 607,015. Glenwear, Inc., New York, N. Y. Filed Nov. 28, 1950.



The word "Tots" is disclaimed.
For Children's Blouses.
Claims use since Sept. 10, 1950.

Ser. No. 607,152. A. C. Ackerman, Ballston Spa, N. Y. Filed Dec. 1, 1950. (Sec. 2f.)



The word "Knit" is disclaimed. Applicant claims ownership of Registration No. 440,432.
For Knitted Gloves and Mittens.
Claims use since Oct. 2, 1945.

Ser. No. 608,710. Lane Bryant Inc., New York, N. Y. Filed Jan. 12, 1951.

jr. plenty

The term "Jr." is disclaimed.
For Girls', Young Women's, and Women's Dresses, Suits, Coats, Hosiery, Slips, Half-Slips, Nightgowns, Pajamas, Panties, Girdles, Brassières, and Foundation Garments.
Claims use since Nov. 12, 1950.

Ser. No. 609,047. Phoenix Hosiery Company, Milwaukee, Wis. Filed Jan. 20, 1951.

Earthtones

For Women's Hosiery.
Claims use since Nov. 1, 1950.

Ser. No. 609,048. Phoenix Hosiery Company, Milwaukee, Wis. Filed Jan. 20, 1951.

Moontones

For Women's Hosiery.
Claims use since Nov. 1, 1950.

Ser. No. 609,127. Myron Glasser, Pittsburg, Calif. Filed Jan. 23, 1951.

Blousers

For Garter for Pants.
Claims use since Jan. 17, 1951.

Ser. No. 609,279. Brooks-Weisberg Co., Los Angeles, Calif. Filed Jan. 26, 1951.

Calli-Kid

For Work Pants, Work Trousers, Work Shirts, and Work Coveralls.
Claims use since Nov. 11, 1950.

Ser. No. 610,888. Cetra Foundations Inc., New York, N. Y., and Perth Amboy, N. J. Filed Mar. 6, 1951.

CETRA-ZIP-STRAP

The word "Strap" is disclaimed.
For Brassières and Corsets.
Claims use since May 1, 1950.

Ser. No. 610,947. Alper Blouse Co. Inc., Philadelphia, Pa. Filed Mar. 7, 1951.

BRYNLON

For Women's and Misses' Blouses.
Claims use since Feb. 24, 1951.

Ser. No. 610,948. Alper Blouse Co. Inc., Philadelphia, Pa. Filed Mar. 7, 1951.



For Women's and Misses' Blouses.
Claims use since Feb. 24, 1951.

Ser. No. 610,949. Alper Blouse Co. Inc., Philadelphia, Pa. Filed Mar. 7, 1951.



For Women's and Misses' Blouses.
Claims use since Feb. 24, 1951.

Ser. No. 611,814. Singing Needles, Inc., Lititz and Millersville, Pa. Filed Mar. 26, 1951.

ELDEEN

For Women's, Misses', and Children's Slips and Undergarments.
Claims use since Feb. 19, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 561,383. Continental Mills, Inc., Philadelphia, Pa. Filed Jan. 22, 1948.

Glo Down

Applicant claims ownership of Registration No. 329,828.
For Knitted and Woven Cloths Made of Wool, Mohair, Silk, Cotton, Synthetic Fibers, or Any Combination Thereof, Sold in the Piece.
Claims use since May 17, 1934.

Ser. No. 614,188. Bachman Uxbridge Worsted Corporation, New York, N. Y. Filed May 22, 1951.

DACHROME

For Textile Fabrics in the Piece Composed of Wool and Synthetic Fibres.
Claims use since May 9, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 587,923. Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Filed Nov. 17, 1949.

SPUNENKA

Priority under Sec. 44(d). Dutch application filed July 6, 1949. Registration No. 101,970, dated July 16, 1949. Applicant claims ownership of Dutch Registration No. 101,970, dated July 16, 1949; and United States Registrations Nos. 272,781, 443,207, and 526,562.
For Yarns and Threads of Rayon, Spun Rayon, Protein, Nylon, and Mixtures Thereof.

Ser. No. 588,837. Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands. Filed Nov. 17, 1949.

ENKALON

Applicant claims ownership of Dutch Registration No. 94,628, dated Oct. 28, 1948; and United States Registrations Nos. 272,781, 443,207, and 526,562.
For Synthetic Yarns and Threads.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 543,202. Marty Associates, Dayton, Ohio. Filed Dec. 3, 1947.

(VIB●REY)

For Manual Vibrators for Applying Light, Heat, and Vibratory Massage to the Skin and Body of the Patient.
Claims use since Jan. 20, 1947.

Ser. No. 572,302. Gray Fox Inc., Kansas City, Mo. Filed Jan. 17, 1949.

Ciritex

For Vaginal Diaphragm.
Claims use since Dec. 28, 1948.

Ser. No. 584,959. W. A. Baum Co., Inc., New York, N. Y. Filed Sept. 17, 1949.

Air-Lok

For Cuffs, a Component of a Sphygmomanometer (Blood-Pressure Apparatus).
Claims use since Apr. 13, 1949.

Ser. No. 598,657. I. B. Kleinert Rubber Company, New York, N. Y. Filed June 6, 1950.

PUCKER PANT

For Elasticized Fabric Sanitary Garments—Namely, Sanitary Panties.
Claims use since Feb. 1, 1950.

Ser. No. 598,890. The Compule Corporation, Rutherford, N. J. Filed June 10, 1950.

UNIVIAL

The drawing is lined for shading only.
For Two-Compartment Vials Adapted To Contain Separately a Therapeutic Substance and a Solvent for Ultimate Admixture in Preparation for Parenteral Use.
Claims use since May 20, 1950.

Ser. No. 599,838. The Motloid Company, Chicago, Ill. Filed June 27, 1950.

Know Your Dentures
Kydac
Are Correct

The term "Know Your Dentures Are Correct" is disclaimed.
For Self-Curing Denture Acrylic.
Claims use since Sept. 1, 1949.

Ser. No. 601,923. Johnson & Johnson, New Brunswick, N. J. Filed Aug. 8, 1950. (Sec. 2f.)

DR. SIMPSON'S

For Nasal Tampons.
Claims use since 1899.

Ser. No. 608,789. Fashioncraft Products, Brooklyn, N. Y. Filed Jan. 15, 1951.

THERMO-CRAFT

For Nursing Bottle Holders.
Claims use since Nov. 1, 1949.

Ser. No. 609,892. U. S. Sanitary Specialties Corporation, Chicago, Ill. Filed Feb. 9, 1951.

KALENDS

For Sanitary Napkins.
Claims use since Jan. 17, 1951.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 553,076. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Mar. 26, 1948.

FOOD-LAND

For Nonalcoholic, Noncereal, Maltless Carbonated Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since January 1934.

Ser. No. 567,751. Blackhawk Bottling Co., Rockford, Ill. Filed Oct. 28, 1948.

Blackhawk

For Carbonated, Maltless, Soft Drinks.
Claims use since October 1917.

Ser. No. 567,752. Blackhawk Bottling Co., Rockford, Ill. Filed Oct. 28, 1948.

Blackhawk

The portrait shown is fanciful.
For Carbonated, Maltless, Soft Drinks.
Claims use since October 1917.

Ser. No. 607,909. Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Filed Dec. 20, 1950.

WARANA

For Non-Alcoholic Maltless Soft Drinks and Concentrates Used in the Preparation of Said Soft Drinks.
Claims use since Nov. 2, 1950.

Ser. No. 610,293. Nehi Corporation, Columbus, Ga. Filed Feb. 19, 1951.

NEHI

Applicant claims ownership of Registration No. 207,317.
For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Oct. 16, 1924.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 532,595. Idaho Canning Co. Ltd., Payette, Idaho. Filed Aug. 27, 1947. (Sec. 2f.)

Tasty Kernel

The word "Kernel" is disclaimed. Applicant claims ownership of Registration No. 341,840.
For Canned Corn.
Claims use since Oct. 29, 1935.

Ser. No. 534,379. Shankel Mill Company, Incorporated, Bristol, Va. Filed Sept. 12, 1947.

WHITE SEAL

For Wheat Flour, Both Plain and Self-Rising; Corn Meal, Dairy Feed, and Hog Feed.
Claims use since Apr. 19, 1919.

Ser. No. 537,301. Euclid Candy Company of California, Inc., San Francisco, Calif. Filed Oct. 9, 1947.

Euclid's **GO**

Applicant claims ownership of Registrations Nos. 362,289, 370,554, and 387,603.
For Candy.
Claims use since 1940.

Ser. No. 537,302. Euclid Candy Company of California, Inc., San Francisco, Calif. Filed Oct. 9, 1947.

Euclid's Crunchy
Full of Almonds

The words "Crunchy Full of Almonds" are disclaimed.
Applicant claims ownership of Registrations Nos. 362,289, 370,554, and 387,603.
For Candy.
Claims use since 1942.

Ser. No. 537,303. Euclid Candy Company of California, Inc., San Francisco, Calif., also trading under the name The Euclid Candy Company, Inc. Filed Oct. 9, 1947.



Applicant claims ownership of Registrations Nos. 362,289, 370,554, and 387,603.
For Candy.
Claims use since 1941.

Ser. No. 538,155. Monte Vista Citrus Association, Riverside, Calif. Filed Oct. 17, 1947.

SQUARE

For Fresh Citrus Fruits.
Claims use since 1905.

Ser. No. 540,439. Naranjo Packing House Company, Woodlake, Calif. Filed Nov. 7, 1947.

HILLGOLD

For Fresh Citrus Fruits.
Claims use since 1920.

Ser. No. 543,742. J. E. Pogue Packing House, also doing business as J. E. Pogue, Lemon Cove, Calif., assignor to Fred R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif. Filed Dec. 8, 1947.

BELL COVE

For Fresh Citrus Fruits.
Claims use since 1914.

Ser. No. 545,770. Ready-Jell Mfg. Co., Inc., Green Island, N. Y. Filed Dec. 30, 1947. (Sec. 2f.)

READY-JELL

No claim is made to the word "Jell."
For Dessert Powders.
Claims use since 1909.

Ser. No. 551,396. Monarch Chemical Company, New York, N. Y. Filed Mar. 6, 1948.

MONARCH CREAM

The term "Cream" is disclaimed.
For Acid Sodium Pyrophosphate Mixed With a Filler, Used and Sold Only to the Commercial Bakery Trade as the Acid Ingredient of a Leavening Agent.
Claims use since 1901.

Ser. No. 552,823. Washington Fish & Oyster Co., Inc., Seattle, Wash. Filed Mar. 23, 1948.

Ocean Beauty

The word "Ocean" is disclaimed.
For Canned Salmon.
Claims use since July 1934.

Ser. No. 554,947. Cochran Co., Inc., Tracy, Calif. Filed Apr. 19, 1948.

COCKSURE

Applicant claims ownership of Registration No. 523,394.
For Fresh Deciduous Fruits and Fresh Vegetables.
Claims use since Jan. 15, 1948.

Ser. No. 554,951. The Colorado Milling & Elevator Co., doing business as The Monte Vista Flour Mills, Monte Vista and Denver, Colo. Filed Apr. 19, 1948. CONCURRENT USE with Registration No. 391,401, for the area comprising Colorado, New Mexico, Arizona, Utah, Texas, Oklahoma, and Kansas.



The word "Bobolink" is lined for the color blue.
For Wheat Flour.
Claims use since May 20, 1910.

Ser. No. 555,016. Redlands Cooperative Fruit Association, Redlands, Calif. Filed Apr. 19, 1948.

SUNNY HEIGHTS

For Fresh Citrus Fruits.
Claims use since 1909.

Ser. No. 561,224. E. J. Brach & Sons, Chicago, Ill. Filed July 13, 1948. (Sec. 2f as to "Brach's.")

Brach's

SWEDISH KISSES

The words "Swedish Kisses" are disclaimed. Applicant claims ownership of Registrations Nos. 214,857, 295,860, and others.
For Candy.
Claims use since July 8, 1938, as to the mark shown; and since 1904 as to "Brach's."

Ser. No. 566,873. William Adam Genant, Syracuse, N. Y. Filed Oct. 12, 1948.

DŪX

Applicant claims ownership of Registration No. 372,977.
For Canned Vegetables, Canned Fruits, Canned Fish, Coffee, Evaporated Milk, Fruit Jams, Marmalade, Pickles, and Food Flavoring Extracts.
Claims use since June 2, 1932.

Ser. No. 571,246. Armour and Company, also doing business under the name Armour Creameries, Chicago, Ill. Filed Dec. 29, 1948.



The drawing is lined for shading.
For Fresh Carcass Meats—Namely, Beef, Veal, Pork, Mutton, and Lamb, and Cuts Thereof; Cured Meats—Namely, Ham, Bacon, Shoulders, Tongue, and Butts; Fresh and Cured Sausages and Canned Sausages; Variety Meats—Namely, Hearts, Kidneys, Livers, Brains, Sweetbreads, and Oxtails; Frozen Beef, Pork, and Veal Cuts; Frozen Variety Meats—Namely, Frozen Pork Brains, Beef Livers, Veal Kidneys, Sweetbreads, Chopped Beef, Oxtail Joints, Veal Hearts, Veal Livers, Lamb Kidneys, Lamb Livers, Pork Kidneys, Beef Kidneys, Pork Livers, Beef Brains, Veal Brains, Beef Hearts, Sheep Hearts, Beef Tripe, and Sheep Brains; Frozen Products Containing Meat—Namely, Veal Fricassee, Hash, Chop Suey, and Ham a la King; Canned Meats—Namely, Luncheon Meat, Chopped Ham, Pork Feet Cutlets, Tongue, Ham, Liver Spread, Pork Feet, Brains, Hamburger Patties, Pork Loin, Mincemeat, Beef Tripe, Veal and Pork Loaf, Deviled Meat, Corned Mutton, and Liver Loaf; Potted Meat Food Products; Canned Meat Products—Namely, Hash, Chili Con Carne, Tamales, Beef Gravy, Beef Stew, Lamb Stew, Spaghetti and Meat, Chop Suey, and Ham a la King; Corned Beef; Dried Beef; Beef Extracts; Bouillon Cubes; Gravy; Peanut Butter; Tomato Juice; Pork and Beans; Oleomargarine; Lard; Vegetable Shortening; Cheese—Namely, Cured Cheese and Processed Cheese; Cheese Spreads; Evaporated Milk; Powdered Milk; Butter; Poultry—Namely, Eviscerated and Non-Eviscerated Killed Poultry; Fresh Eggs; Powdered Whole Eggs; Powdered Egg Whites; Powdered Egg Yolks; Frozen Eggs; and Baby Food—Namely, Strained Veal, Strained Liver, Strained Beef, Chopped Veal, Chopped Liver, and Chopped Beef.
Claims use since Dec. 22, 1944.

Ser. No. 571,328. John D. Hamilton, Tacoma, Wash. Filed Dec. 30, 1948.

CherryNip

The word "Cherry" is disclaimed.
For Candy—Namely, Chocolate Bars.
Claims use since 1927.

Ser. No. 575,100. Stein, Hall & Company, Inc., New York, N. Y. Filed Mar. 8, 1949.

HALLMARK

Applicant claims ownership of Registrations Nos. 227,933, 406,749, and 409,673.
For Food Products—Namely, Corn Starch, Rice Starch, Potato Starch, Wheat Starch, Sago Flour, Tragacanth Gum, Karaya Gum, Gum Arabic, Rice Flour, Potato Flour, Arrowroot, Pearl Tapioca, Flake Tapioca, Granular Tapioca, Grated and Shredded Coconut, Stabilizers and Accelerators Composed Principally of Combinations of the Following Ingredients: Carbohydrates, Such as, Sugar, Starches, Dextrines and Gums, and Inorganic Acids and Salts of Organic and Inorganic Acids, and Surface Active Agents.
Claims use since 1925.

Ser. No. 576,246. Associated Grocers' Company of St. Louis, Mo., St. Louis, Mo. Filed Mar. 29, 1949.



Applicant claims ownership of Registrations Nos. 256,111, 221,752, and others.
For Butter, Chili Sauce, Coffee, Dried and Dehydrated Fruits, Fresh Eggs, Food Flavoring Extracts, Canned Fish, Wheat Flour, Fruit Juices, Canned Fruits, Jam, Jelly, Fruit Preserves, Fruit-Butters, Spaghetti, Noodles, Mayonnaise, Salad Dressing, Sauces for Meat—Namely, Barbecue Sauce and Red Pepper Hot Sauce, Mince-Meat, Mustard, Pickles, Relishes, Canned Pumpkin, Table Salt, Spices, Syrup, Food Dyes, Tomato Juice, Evaporated Milk, and Canned Vegetables.
Claims use since 1927.

Ser. No. 586,645. National Alfalfa Dehydrating & Milling Company, Lamar, Colo. Filed Oct. 21, 1949.

ALFAX

For Enriched Dehydrated Alfalfa Meal.
Claims use since Oct. 4, 1949.

Ser. No. 588,774. Sicardi, Inc., Cincinnati, Ohio. Filed Dec. 3, 1949.

Sicardi

For Candies—Namely, Chocolate Coated Roasted Almonds, Brazil Cream Nougats, Cocoanut Cream Drops, Cream Drops, Cream Caramel Chocolates, Cream Caramels, Chocolate Caramels, Chocolate Coated Cherries, Chocolate Chips, Coffee Pistachio, Hard Nougats, Marshmallows, Mints, Maple Creams, Pecan Balls, Walnut Balls, Walnut Sticks, Walnut Cream Nougats, Walnut Croquetts, Vanilla Walnut, Maple Walnut, Coffee Walnut, Magnolia, Pineapple Creams, Pineapple Wedges, Neopolitans, Strawberry Creams, Strawberries, Chocolate Marshmallow Caramels, Vanilla Marshmallow Caramels, White Walnut Balls, Pink Walnut Balls, Rose Walnuts, Raspberry Cream Caramels, Pink Cases, Lemon Balls, and Orange Balls.
Claims use since Oct. 30, 1948.

Ser. No. 588,775. Sicardi, Inc., Cincinnati, Ohio. Filed Dec. 3, 1949.



For Candies—Namely, Chocolate Coated Roasted Almonds, Brazil Cream Nougats, Cocoanut Cream Drops, Cream Drops, Cream Caramel Chocolates, Cream Caramels, Chocolate Caramels, Chocolate Coated Cherries, Chocolate Chips, Coffee Pistachio, Hard Nougats, Marshmallows, Mints, Maple Creams, Pecan Balls, Walnut Balls, Walnut Sticks, Walnut Cream Nougats, Walnut Croquetts, Vanilla Walnut, Maple Walnut, Coffee Walnut, Magnolia, Pineapple Creams, Pineapple Wedges, Neopolitans, Strawberry

Creams, Strawberries, Chocolate Marshmallow Caramels, Vanilla Marshmallow Caramels, White Walnut Balls, Pink Walnut Balls, Rose Walnuts, Raspberry Cream Caramels, Pink Cases, Lemon Balls, and Orange Balls.
Claims use since Oct. 30, 1948.

Ser. No. 589,143. Carmen Sea Food Company, Los Angeles, Calif. Filed Dec. 10, 1949.

Bay Pride

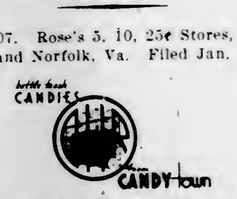
The word "Bay" is disclaimed.
For Fresh Frozen Shrimp.
Claims use since Sept. 26, 1949.

Ser. No. 590,744. Gerber Products Company, Fremont, Mich. Filed Jan. 12, 1950.



For Breakfast Cereal Preparations—Namely, Barley, Oatmeal, and a Specially Prepared Mixture, Principally Containing Semolina, Whole Wheat Flour, Corn Meal, and Wheat Germ.
Claims use since Mar. 25, 1949.

Ser. No. 591,107. Rose's 5, 10, 25¢ Stores, Inc., Henderson, N. C., and Norfolk, Va. Filed Jan. 19, 1950.



The words "Kettle Fresh," "Candies" and "From Candy" are disclaimed.
For Candy.
Claims use since Nov. 28, 1949.

Ser. No. 591,457. Central Popcorn Company, Schaller, Iowa. Filed Jan. 26, 1950.

TENDRA CORN

The word "Corn" is disclaimed.
For Raw Popcorn.
Claims use since Dec. 13, 1949.

Ser. No. 591,680. Ray H. Hathaway, Spokane, Wash. Filed Jan. 30, 1950.



The representation of the pig is disclaimed.
For Ham and Bacon.
Claims use since Nov. 8, 1925.

Ser. No. 593,095. George B. Vrooman, Inc., Philadelphia, Pa. Filed Feb. 25, 1950.

Ravi-oni

For Stuffed Macaroni With Sauce.
Claims use since Feb. 20, 1950.

Ser. No. 594,021. Candy-Lane, Inc., Los Angeles, Calif. Filed Mar. 16, 1950.

Cordialanes

Applicant claims ownership of Registration No. 401,425.
For Candy.
Claims use since Sept. 15, 1949.

Ser. No. 595,380. J. Seward Johnson, doing business as Farmers & Consumers Dairy, Morristown, N. J. Filed Apr. 7, 1950.



For Dairy Products—Namely, Fluid Milk, Fluid Butter Milk, Fluid Chocolate Milk, Butter, Cream, Yogurt, Fresh Eggs, Cheese, Honey Spreads, Ice Cream; and for Frozen Berries, Frozen Fruit Salads and Frozen Mixed Fruit Desserts; Frozen Soups, Frozen Clam Chowder and Clam Bisque, Tomato Bisque; Cheese, Curry, Chocolate and Hollandaise Sauces; Bottled Salad Dressings; Cream Puffs; Frozen Waffles; and Cake Batter.
Claims use since Nov. 1, 1947.

Ser. No. 595,849. Nautilus Food Products Corp., New York, N. Y. Filed Apr. 17, 1950.



Applicant claims ownership of Registration No. 405,258.
For Salad Dressing.
Claims use since September 1949.

Ser. No. 602,216. M. Portch, doing business as Sally Lynn Kitchen, Washington, D. C. Filed Aug. 15, 1950.

Sally Lynn

The name "Sally Lynn" is fictitious. Applicant claims ownership of Registrations Nos. 270,599 and 271,619.
For Cakes and Pies.
Claims use since August 1926.

Ser. No. 602,217. M. Portch, doing business as Sally Lynn Kitchen, Washington, D. C. Filed Aug. 15, 1950.



The name "Sally Lynn" is fictitious. The picture of the girl is fanciful. Applicant claims ownership of Registrations Nos. 270,599 and 271,619.
For Cakes and Pies.
Claims use since August 1926

Ser. No. 602,485. Bard & Margolies, Inc., Brooklyn, N. Y. Filed Aug. 21, 1950.



The name "Helen T. Brook" is not represented to be the name of any living individual.
For Candies.
Claims use since Apr. 9, 1924.

Ser. No. 606,365. California Prune and Apricot Growers Association, San Jose, Calif. Filed Nov. 14, 1950. (Sec. 2f.)

KING MOUNTAIN

Applicant claims ownership of Registration No. 254,430.
For Dried Fruits.
Claims use since Oct. 1, 1928.

Ser. No. 607,162. Childs Company, Long Island City, N. Y. Filed Dec. 1, 1950.

CREAMOGONIZED

For Candy.
Claims use since Nov. 2, 1950.

Ser. No. 607,163. Childs Company, Long Island City, N. Y. Filed Dec. 1, 1950.

CREAMONIZED

For Candy.
Claims use since Nov. 28, 1950.

Ser. No. 607,164. Childs Company, Long Island City, N. Y. Filed Dec. 1, 1950.

CREAMORIZED

For Candy.
Claims use since Nov. 28, 1950.

Ser. No. 607,590. Harper & Martin, also doing business as Har-Mar Feed Service, Cromwell, Ind. Filed Dec. 12, 1950.



The representation of an ear of corn is disclaimed.
For Cattle and Hog Feeds—Namely, Hybrid Corn, Balbo Rye, and Oats.
Claims use since June 15, 1946.

Ser. No. 608,058. Dothan Seed & Supply Company, Inc., Dothan, Ala. Filed Dec. 26, 1950.



The words "Brand" and "South's Finest" are disclaimed. The drawing is lined for yellow and blue.
For Pecans in the Shell.
Claims use since Nov. 1, 1950.

Ser. No. 610,980. Charles Killgore Company, Inc., Yonkers, N. Y. Filed Mar. 7, 1951.

MARSHIES

For Marshmallow Candy Substitutes, for Restricted Diets.
Claims use since Feb. 19, 1951.

Ser. No. 611,596. Bien Trading Company, Inc., New York, N. Y. Filed Mar. 21, 1951.

CONVIE

For Canned Tuna, Crabmeat, Shrimp, Salmon, and Sardines.
Claims use since Aug. 15, 1950.

Ser. No. 611,616. Phillips Packing Company, Inc., Cambridge, Md. Filed Mar. 21, 1951.



For Canned Vegetables, Canned Soups, Canned Spaghetti, Canned Pork and Beans, Canned Corned Beef Hash, Canned Beef Stew, Canned Beef and Gravy, Canned Beans With Sliced Frankfurters, and Canned Spaghetti and Meat Balls.
Claims use since Feb. 12, 1951.

Ser. No. 611,905. Lawtons Canning Co., Inc., Lawtons, N. Y. Filed Mar. 28, 1951.

LAWCO

For Canned Vegetables.
Claims use since 1935.

Ser. No. 611,906. Lawtons Canning Co., Inc., Lawtons, N. Y. Filed Mar. 28, 1951. (Sec. 2f.)

LAWTONS

For Canned and Frozen Fruits and Vegetables—Namely, Rhubarb, Strawberries, Grapes, Raspberries, Green Beans, Wax Beans, and Tomatoes.
Claims use since 1935.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 555,620. The Pantasote Company, Passaic, N. J. Filed Apr. 26, 1948.

PANTEX

For Plastic Film in the Nature of Artificial Leather Sold in Bolts and Sheets.
Claims use since March 1940.

Ser. No. 569,434. Centaur Plastic Coating Co., New York, N. Y. Filed Nov. 26, 1948.

Decoralyte

For Synthetic Resin Coated Leatherettes.
Claims use since Jan. 1, 1945.

Ser. No. 575,113. Helen M. Schultz, Toledo, Ohio. Filed Feb. 28, 1949.

Ovenaid

For Kits and Parts Thereof, Sold as a Unit, Comprising Baking Vessels, Receptacles Therefor, Together With Tools for Handling Such Vessels as Hot.
Claims use since 1932.

Ser. No. 597,762. Industrial Synthetics Corporation, Garwood, N. J. Filed May 19, 1950.

SUPPLEX

For Stair and Floor Coverings in the Nature of Mats Made of Rubber or Rubber-Like Synthetic, Reinforced or Non-Reinforced With Other Materials, and Any Combination of the Materials.
Claims use since July 1946.

Ser. No. 598,118. Standard Cap and Seal Corporation, Chicago, Ill. Filed May 25, 1950.

DUPLEXHOOD

For Laminated Paper and Foil Bottle Closures Used Upon Milk Bottles.
Claims use since May 15, 1950.

Ser. No. 603,936. Samuel Moore & Company, Mantua, Ohio. Filed Sept. 23, 1950.

RUB-BUB

Applicant claims ownership of Registrations Nos. 370,311, 371,674, 381,780, 382,328, and 428,499.
For Plastic Material Used as a Substitute for Leather for the Upholstery of Furniture.
Claims use since Apr. 12, 1950.

Ser. No. 607,480. Bermo Industries, Inc., Minneapolis, Minn. Filed Dec. 9, 1950.

Knight O'Armor

For Automobile Ornaments Stamped From Non-Precious Sheet Metal.
Claims use since Jan. 1, 1947.

Ser. No. 609,055. Eva Ronell, New York, N. Y. Filed Jan. 20, 1951.

MY TWIN

For Dress Forms.
Claims use since Jan. 2, 1951.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 577,059. The Andrew Jergens Company, Cincinnati, Ohio. Filed Apr. 13, 1949.

GOLDEN DREAM

For Face Powder.
Claims use since Mar. 11, 1949.

Ser. No. 578,178. Volay of Paris Company, Greenwich, Conn. Filed May 3, 1949.

SILKY MIST

For Body Lotions.
Claims use since Oct. 20, 1948.

Ser. No. 579,597. Thomas F. Hogan, doing business as Francines Laboratories, South St. Paul, Minn. Filed May 27, 1949. (Sec. 2f.)

HOGAN'S

For Skin Cream and Lotion.
Claims use since Sept. 18, 1937.

Ser. No. 582,533. Lucien Lelong, Inc., Chicago, Ill. Filed July 26, 1949.

Petits Fours

For Perfumes.
Claims use since July 12, 1949.

Ser. No. 585,011. John H. Breck, Inc., Springfield, Mass. Filed Sept. 19, 1949.



The mark consists of concentric circles with a solid center against which are placed a fanciful profile and the words "Beautiful Hair" arranged concentrically therewith. The words "Beautiful Hair" are disclaimed.
For Preparations for the Treatment of the Hair and Scalp—Namely, Hair Cream, Hair Lotions, Hair Tonics, Face Creams, Perfumes, Hand Creams, and Hand Softeners.
Claims use since Apr. 22, 1949.

Ser. No. 591,019. Consolidated Cosmetics, Chicago, Ill. Filed Jan. 18, 1950.

POLYNESIAN

For Lipstick, Face Powder, Solid Cologne, and Brilliantine.
Claims use since Jan. 13, 1940.

Ser. No. 591,624. House of Huston, Inc., Coral Gables, Fla. Filed Jan. 28, 1950.

Wicked Angel.

For Cologne.
Claims use since Dec. 1, 1949.

Ser. No. 595,760. Clairol Incorporated, Stamford, Conn. Filed Apr. 15, 1950.

miss CLAIROL

Applicant claims ownership of Registrations Nos. 302,399, 354,067, and others.
For Hair Tinting and Coloring Preparations.
Claims use since Mar. 1, 1950.

Ser. No. 595,935. G. Barr and Company, Chicago, Ill. Filed Apr. 19, 1950. (Sec. 2f.)

BALM BARR

Applicant claims ownership of Registration No. 404,225.
For Hand Lotions.
Claims use since Jan. 5, 1940.

Ser. No. 598,441. Nellie V. Taylor, Philadelphia, Pa. Filed June 1, 1950.

NELLIE'S
HAWAII HAIR GROWER

The name is fanciful. The words "Hawaii Hair Grower" are disclaimed.
For Hair Tonic.
Claims use since Mar. 29, 1950.

Ser. No. 599,632. Givaudan-Delawanna, Inc., New York, N. Y. Filed June 23, 1950.



The drawing is not lined for color. The mark consists of two outer concentric circles in close proximity, an annular space therein being provided by two quasi-semi-circles located above and below the horizontal center line of the mark so as to leave a central horizontal channel also. Vertical lines fill the quasi-semi-circles, which each contain a design therein. Applicant claims ownership of Registration No. 388,975.
For Perfume Bases and Perfumes.
Claims use since October 1924.

Ser. No. 599,874. Richard Hudnut, New York, N. Y. Filed June 28, 1950.

Du Barry
CRÈME SUPERBE

The word "Crème" is disclaimed. Applicant claims ownership of Registrations Nos. 37,959, 56,855, and others.
For Face Cream.
Claims use since June 1, 1950.

Ser. No. 602,405. William H. Joyce, Hollis, N. Y. Filed Aug. 18, 1950.

YOUTHAIR

For Hair Coloring Pomade.
Claims use since June 6, 1939.

Ser. No. 602,929. Carew Products, Inc., New York, N. Y. Filed Aug. 30, 1950.

Magic Blush

The word "Blush" is disclaimed.
For Skin Tinting Lotion.
Claims use since Aug. 18, 1950.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

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Ser. No. 602,405. William H. Joyce, Hollis, N. Y. Filed Aug. 18, 1950.

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Claims use since June 6, 1939.

Ser. No. 602,929. Carew Products, Inc., New York, N. Y. Filed Aug. 30, 1950.

Magic Blush

The word "Blush" is disclaimed.
For Skin Tinting Lotion.
Claims use since Aug. 18, 1950.

Ser. No. 603,625. Alexandra De Markoff Sales Corporation, New York, N. Y. Filed Sept. 16, 1950.

ALEXANA

DUO TREATMENT OILS

The words "Oils" and "Treatment" are disclaimed.
For Cosmetic Oils for Dry and Normal Skin.
Claims use since Sept. 5, 1950.

Ser. No. 607,674. Jefferson Jones, doing business as J. Jones Products, Chicago, Ill. Filed Dec. 14, 1950.

EVERON

For Face Lotion.
Claims use since Apr. 16, 1950.

Ser. No. 608,443. Stacy Wilson, doing business under the name of Madam Stacy Wilson, Chicago, Ill. Filed Jan. 3, 1951.

MADAM STACY WILSON

Stacy Wilson is the name of the applicant.
For Hair Cosmetics, Comprising Hair and Scalp Treatment Oil, Pressing Oil, Massage Oil, Hair Pomade, and Dandruff Remover.
Claims use since Oct. 20, 1950.

Ser. No. 609,894. Nicholas Von Guggenberg, doing business as Zanzar & Company, Brentwood, Mo. Filed Feb. 9, 1951.

OBLIVION

For Perfume in Solid and Liquid Form.
Claims use since Nov. 9, 1948.

Ser. No. 610,376. William D. Nelson, doing business as Ru Nel Co., Minneapolis, Minn. Filed Feb. 21, 1951.

RuNel

For Fingernail Polish Remover.
Claims use since Aug. 3, 1950.

Ser. No. 610,682. Girl Scouts of the United States of America, New York, N. Y. Filed Mar. 1, 1951.

GS

For Toilet Preparations—Namely, Talcum Powder, Cologne, and Hand Lotion.
Claims use since February 1947.

Ser. No. 611,207. Phyllis C. Varney, Sacramento, Calif. Filed Mar. 12, 1951.

HAVALL

For Scalp and Hair Conditioner.
Claims use since Feb. 15, 1951.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 520,202. Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Original filed, act of 1905, Apr. 5, 1947; amended to application under act of 1946, Principal Register, Aug. 12, 1948. (Sec. 2f.)

Columbia D. H. & D.

The mark consists of the words and letters "Columbia D. H. & D."
For Skin Cleansing Preparation for Removing Ink Stains From the Hands or Skin.
Claims use since Dec. 27, 1937.

Ser. No. 558,281. Optimus Equipment Company, Matawan, N. J., assignee of Circo Products Company. Filed June 2, 1948.

CIRCO-SOLV

For Volatile Solvent, Comprising Trichlorethylene, for Cleaning Grease-Laden Machine Parts.
Claims use since Jan. 30, 1940.

Ser. No. 597,354. Melville Sahyun, doing business as Sahyun Laboratories, Santa Barbara, Calif. Filed May 12, 1950.

DECILINE

For Shampoo.
Claims use since Dec. 1, 1949.

Ser. No. 597,812. Georgianna Jewell Chauvin, Webster, Mass., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership. Filed May 20, 1950. (Sec. 2f.)

JEWELL'S

Applicant claims ownership of Registration No. 198,863.
For Shampoo.
Claims use since 1906.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 606,079. National Arborist Association, Incorporated, Wooster, Ohio. Filed Nov. 8, 1950. COLLECTIVE MARK.

NATIONAL ARBORIST ASSOCIATION

The words "National Arborist Association" are disclaimed.
For Arboricultural Services—Namely, Pruning Shade Trees, Tree Surgery, Pruning and Spraying Fruit Trees, Spraying Shade and Fruit Trees for Insect and Disease Control, Transplanting Shade Trees, Fertilizing and Improving Soil Around Trees, Taking Down Dead and Undesirable Trees, Repairing Storm Damaged Trees, Bracing Trees With Cable and Steel Rods To Protect Them From Structural Weaknesses, Installing Lightning Protection Systems in Trees, Trimming Trees To Clear Utility Wires of Tree Branches, Consultations on Tree Problems, Appraisals of Tree Damage by Storms or Other Agencies, and Diagnosing and Treating Tree Diseases.
Claims use since Jan. 3, 1945.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 557,922. John T. Graff Company, Inc., New York, N. Y. Filed May 27, 1948.

The drawing is lined for black and red.
For Advertising Services—Namely, the Design, Development, and Preparation of Advertising Material for Manufacturers and Merchants in Such Form as To Be Suitable for Use in Educational Institutions in Connection With the Teaching of Subjects in Which the Particular Material Is of Interest or Instructive.
Claims use since Feb. 1, 1946.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 566,437. George W. Warnecke & Company, Inc., New York and Jamaica, N. Y. Filed Oct. 1, 1948.

The word "Mortgages" is disclaimed.
For Brokerage Services in Real Estate Mortgage Loans.
Claims use since Dec. 15, 1937.

Ser. No. 566,471. Property Credit Corporation, New York and Jamaica, N. Y. Filed Oct. 5, 1948.

PROPERTY CREDIT CORPORATION MORTGAGE

All wording is disclaimed.
For Brokerage Services in Real Estate Mortgage Loans.
Claims use since Dec. 15, 1941.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 552,648. General Motors Corporation, Detroit, Mich. Filed Mar. 22, 1948.

UNITED SERVICE MOTORS

The words "Service" and "Motors" and the representation of the automobile are disclaimed.
For Inspection, Adjustment, Repair, and Rebuilding of Automotive Parts and Accessories, Electric Motors, and Radio and Television Receiving Sets.
Claims use since Mar. 17, 1923.

Ser. No. 588,249. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Erection and Razing of Steel Structures.
Claims use since 1937.

CLASS 104

COMMUNICATION

Ser. No. 565,396. Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Filed Sept. 17, 1948.

The Kilowatt Hour

The term "Hour" is disclaimed.
For Radio Program Broadcasting Services.
Claims use since January 1947.

Ser. No. 593,540. KMPC, the Station of the Stars, Incorporated, Los Angeles, Calif. Filed Mar. 7, 1950.

(NO DRAWING)

The Mark Comprises

THE MUSICAL NOTES E FLAT, A FLAT, C, AND A FLAT SOUNDED BY CHIMES

The service mark consists of the musical notes E flat, A flat, C, and A flat sounded by chimes.

For Radio Program Broadcasting.

Claims use since Mar. 15, 1948.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 494,878. Western Air Lines, Inc., Los Angeles, Calif. Original filed, act of 1905, Jan. 16, 1946; amended to application under act of 1946, Principal Register, Dec. 20, 1949. (Sec. 2f.)

WESTERN Air Freight

The words "Air Freight" are disclaimed.

For Air Transportation of Passengers, Freight, and Mail.

Claims use since Apr. 17, 1926.

CLASS 106

MATERIAL TREATMENT

Ser. No. 535,105. The United States Finishing Company, Norwich, Conn. Filed Sept. 19, 1947. (Sec. 2f.)

STABILIZED

Applicant claims ownership of Registration No. 358,702.

For Finishing of Textile Fabrics To Control Shrinkage.

Claims use since Feb. 3, 1937.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 594,242. Thomas H. Ahrens, New York, N. Y. Filed Mar. 20, 1950.

(NO DRAWING)

The Mark Comprises

A SERIES OF GLISSANDI, RUNS OR MUSICAL EFFECTS ON A HARP, COMMENCING WITH THE LOWEST NOTE OR FIRST STRING AND ASCENDING SERIATIM TO THE HIGHEST NOTE OR FORTY-SEVENTH STRING, AND DESCENDING AGAIN TO THE LOWEST NOTE

The mark comprises a series of glissandi, runs, or musical effects on a harp, commencing with the lowest note or first string and ascending seriatim to the highest note or forty-seventh string, and descending again to the lowest note.

For Entertainment Service Rendered Through the Medium of a Radio Broadcast Program of Recorded Music.

Claims use since Sept. 23, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,593. Animal Figures and Miniature Pins in the Nature of Insignia Both Made of Wood. Mabel Palmer, Vineburg, Calif.
Filed July 14, 1945, Serial No. 485,830. Published July 17, 1951. Class 50.

444,594. Empty Portable Tool Boxes Capable of Being Used Also as Work Benches. Joseph Leone, Brooklyn, N. Y.
Filed Feb. 14, 1947, Serial No. 517,490. Published Aug. 7, 1951. Class 23.

444,595. Banners, Bird Houses, Door Mats, Etc. The Lehon Company, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,750. Published July 10, 1951. Class 50.

ACT OF 1946, PRINCIPAL REGISTER

550,339. Wooden Handles for Hand Tools, Including Axes, Adzes, Broadaxes, Etc. True Temper Corporation, Cleveland, Ohio, by change of name from the American Fork & Hoe Company.
Original filed, act of 1905, Jan. 18, 1945; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 478,736. Published Aug. 7, 1951. Class 23.

550,340. Candy. Loft Candy Corporation, Long Island City, N. Y.
Original filed, act of 1905, Apr. 12, 1946; amended to application under act of 1946, Principal Register, Jan. 20, 1948, Serial No. 500,098. Published Aug. 21, 1951. Class 46.

550,341. Clothespins. United States Clothespin Company, Farmington, Maine, assignor to Forster Mfg. Co., Inc., Farmington, Maine, a corporation of Maine.
Original filed, act of 1905, Feb. 8, 1947; amended to application under act of 1946, Principal Register, July 16, 1947, Serial No. 517,219. Published Nov. 2, 1948. Class 24.

550,342. Liquid Asphalt Roofing Paint and a Plastic Asphalt Roofing Coating or Filler. Elliott Paint & Varnish Company, Chicago, Ill.
Original filed, act of 1905, Mar. 24, 1947; amended to application under act of 1946, Principal Register, July 23, 1947, Serial No. 519,469. Published Aug. 7, 1951. Class 16.

550,343. Enameled Ware—Namely, Double Boilers, Wash Bowls, Drinking Cups, Sink Drainers, Covered Kettles, Etc. National Enameling and Stamping Company, Milwaukee, Wis., now by change of name Nesco, Inc.
Original filed, act of 1905, Apr. 30, 1947; amended to application under act of 1946, Principal Register, Oct. 10, 1947, Serial No. 521,600. Published Mar. 14, 1950. Class 13.

550,344. Tinware—Namely, Dish Pans; and Galvanized Ware—Namely, Foot Baths, Refrigerator Pans, Tractor or Automobile Funnels. National Enameling and Stamping Company, Milwaukee, Wis., now by change of name Nesco, Inc.
Original filed, act of 1905, Apr. 30, 1947; amended to application under act of 1946, Principal Register, Oct. 10, 1947, Serial No. 521,601. Published May 9, 1950. Class 13.

550,345. Automotive Truck Winches, Automotive Truck Power Takeoff Machinery and Power Divider Transmission Machinery. Braden Winch Company, Tulsa, Okla.
Original filed, act of 1905, May 22, 1947; amended to application under act of 1946, Principal Register, Apr. 12, 1951, Serial No. 522,854. Published July 3, 1951. Class 23.

550,346. Valves—Namely, Control Valves for Hydraulic Brake Systems, Pressure Regulating Valves, Selector Valves for Controlling the Path of Flow and Rate of Flow in Hydraulic Control Systems, Pressure Relief Valves, and Thermal Relief Valves. Bendix Aviation Corporation, Detroit, Mich.
Filed July 8, 1947, Serial No. 528,145. Published Aug. 21, 1951. Class 13.

550,347. Expansion Bolts. Sandscott Plastic Corporation, Buffalo, N. Y.
Filed July 30, 1947, Serial No. 530,029. Published Aug. 14, 1951. Class 13.

550,348. Porcelain Enamel Coated Base Metal Cooking, Kitchen, and Household Ware, Etc. The Canton Stamping & Enameling Company, Canton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,534. Published Aug. 21, 1951. Class 13.

550,349. Separable Hose Couplings and Fittings. Ever-Tite Coupling Co. Inc., New York, N. Y.
Filed Oct. 2, 1947, Serial No. 536,512. Published Aug. 21, 1951. Class 13.

550,350. Overalls. Harry Lang Manufacturing Co., Des Moines, Iowa, assignee of Lang Industries.
Filed Nov. 10, 1947, Serial No. 540,684. Published Aug. 7, 1951. Class 39.

550,351. Ready Mixed Paints Sold in Liquid and Semi-Liquid Form, Paint Enamels, Varnish, and Varnish Stains. Republic Paint & Varnish Co., Chicago, Ill.
Filed Nov. 21, 1947, Serial No. 541,966. Published Aug. 7, 1951. Class 16.

550,352. Ready-Mixed Paints, Varnishes, Paint Enamels, Anticorrosive Paint, Antifouling Paint, Copper Paints, Paste Paints, Dry Paint Pigments, Colors in Oil, Liquid Paint and Varnish Remover, Paint Driers, Paint Oils, Paint Solvents, Wood (Grain) Fillers, and Wood Stains. International Paint Company, Inc., New York, N. Y.
Filed Nov. 24, 1947, Serial No. 542,137. Published Aug. 7, 1951. Class 16.

550,353. Metal Washers, Metal Flush L's, Metal Flanges, Bolts, Air Valves for General Use, Cotter Pins, Metal Cock Hole Covers, Metal Shower-Curtain Hooks, Brass Connecting-Link Hooks, Lever Wires, Metal Float Rods, Rubber Bumpers for Plumbing, Rotary Tank Levers, Metal Refill Plugs, Metal Overflow Tubes, Etc. J. A. Sexauer Mfg. Co. Inc., New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,285. Published Aug. 21, 1951. Class 13.

550,354. Flavored Syrups for Use in Making Ice Cream, and the Like. R. W. Snyder Company, Battle Creek, Mich.
Filed Dec. 26, 1947, Serial No. 545,552. Published Aug. 14, 1951. Class 46.

550,355. Hand-Portable Travel Kit, Which Contains Cosmetics—Namely, Beauty Lotion, Skin Freshener, Deodorant Cologne, Face Powder, Rouge, and Lipstick. Daggett & Ramsdell, New York, N. Y., assignor to Daggett and Ramsdell, Inc., New York, N. Y., a corporation of Delaware.
Filed Dec. 30, 1947, Serial No. 545,722. Published July 3, 1951. Class 51.

550,356. Shampoo, a Preparation To Set the Configuration of the Hair, and Hand and Scalp Creams for Protecting and Softening the Skin. Jose B. Calva, doing business as J. B. Calva and Company, Minneapolis, Minn., assignor to Calva Process Industries, Inc., St. Paul, Minn., a corporation of Minnesota.
Filed Jan. 12, 1948, Serial No. 546,757. Published Nov. 2, 1948. Class 51.

550,357. Agitators, Agitator Kettles, Air Compressors, Etc. The Globe Company, Chicago, Ill.
Filed Jan. 27, 1948, Serial No. 548,069. Published Apr. 4, 1950. Class 23.

550,358. Lathes and Turning Machines. The Cleveland Hobbing Machine Company, Euclid, Ohio.
Filed Jan. 30, 1948, Serial No. 548,329. Published July 31, 1951. Class 23.

550,359. Slicing Machines for Slicing Meat, Fish, Cheese, Fruits, Vegetables and Bread, and Parts Thereof. Globe Slicing Machine Co., Inc., Stamford, Conn.
Filed Jan. 30, 1948, Serial No. 548,360. Published Aug. 8, 1950. Class 23.

550,360. Lavatories, Door Springs, Bath Tubs, Water Closets, Horse Shoe Nails, Enamelware Cooking Utensils—Namely, Sauce Pots, Kettles, Pans, Skillets, and Tea Kettles. C. M. McClung & Co., Knoxville, Tenn.
Filed Feb. 19, 1948, Serial No. 550,161. Published Aug. 21, 1951. Class 13.

550,361. Vanilla Flavoring Extracts for Food Purposes. Vanilla Laboratories, Inc., Rochester, N. Y.
Filed Mar. 6, 1948, Serial No. 551,418. Published Aug. 21, 1951. Class 46.

550,362. Hydraulic Sleeve Removing and Inserting Units, Hydraulic Ram, Hydraulic Sleeve Tool Adaptors, Hydraulic Gear Puller Adaptors, Hydraulic Hub Puller Adaptors, and Hydraulic Valve Puller Adaptors. International Tool Corporation, Chula Vista, Calif.
Filed Mar. 8, 1948, Serial No. 551,460. Published July 24, 1951. Class 23.

550,363. Ladies' and Children's Underwear—Namely, Panties, Slips, Nightgowns, and Brassières. Pinehurst Textiles, Inc., Asheboro, N. C.
Filed Mar. 12, 1948, Serial No. 551,818. Published Sept. 20, 1949. Class 39.

550,364. Wheat Flour. The Colorado Milling & Elevator Co., doing business as The Lamar Flour Mills Company, Denver and Lamar, Colo.
Filed Mar. 18, 1948, Serial No. 552,223. CONCURRENT USE. Published July 3, 1951. Class 46.

550,365. Fresh Fruits Preserved With Sugar for Use at Soda Fountains, Etc. Lyons-Magnus, Incorporated, San Francisco, Calif.
Filed Mar. 29, 1948, Serial No. 553,293. Published July 3, 1951. Class 46.

550,366. Hydraulic Tube Fittings for Machine Tools. Flodar Corporation, Cleveland, Ohio.
Filed Apr. 2, 1948, Serial No. 553,686. Published Aug. 7, 1951. Class 13.

550,367. Hardware—Namely, Cover Plates for Metal Boxes, and Cable Clamps. All-Steel Equipment Inc., Aurora, Ill.
Filed Apr. 9, 1948, Serial No. 554,195. Published Aug. 21, 1951. Class 13.

550,368. Automatic Deodorizers—Namely, Drip Dispensers for Urinals and Toilets, Etc. West Disinfecting Company, Long Island City, N. Y.
Filed Apr. 12, 1948, Serial No. 554,455. Published Aug. 7, 1951. Class 13.

550,369. 100% Pure Canned Horse Meat for Carnivorous Animals Only. L. H. Crum, Quitman, Ga.
Filed May 5, 1948, Serial No. 556,250. Published Mar. 27, 1951. Class 46.

550,370. Cement Providing a Base for Grinding Powder on Polishing Wheels, Discs, Bobs, and Abrasive Belts. Wallace A. Erickson & Co., Chicago, Ill.
Filed May 7, 1948, Serial No. 556,428. Published July 31, 1951. Class 5.

550,371. Hardware—Namely, Cover Plates for Metal Boxes and Cable Clamps. All-Steel Equipment Inc., Aurora, Ill.
Filed May 8, 1948, Serial No. 556,519. Published Feb. 27, 1951. Class 13.

550,372. Farm Machinery and Barnyard Equipment—Namely, Hog, Stock and Poultry Waterers, and Rotary Hog and Poultry Feed Dispensers. Hawkeye Steel Products, Inc., Waterloo, Iowa.
Filed May 8, 1948, Serial No. 556,579. Published Aug. 7, 1951. Class 50.

550,373. Material Handling Equipment—Namely, Overhead, Traveling, Floor, Jib, Portable and Gantry Cranes; Etc. Manning, Maxwell & Moore, Incorporated, New York, N. Y.
Filed June 30, 1948, Serial No. 560,490. Published Aug. 14, 1951. Class 23.

550,374. Enamel. Baer Brothers, New York, N. Y.
Filed July 20, 1948, Serial No. 561,711. Published Aug. 7, 1951. Class 16.

550,375. Capsulated Vitamin Supplement Preparations, With and Without Added Minerals, for Addition to Foods; Capsulated Vegetable and Poultry Fats, and Vegetable Extracts for Food Purposes; and Capsulated Food Colors With or Without Added Vitamins. R. P. Scherer Corporation, Detroit, Mich.
Filed Aug. 7, 1948, Serial No. 563,021. Published June 19, 1951. Class 46.

550,376. Capsulated Vitamin Supplement Preparations, With and Without Added Minerals, for Addition to Foods; Capsulated Vegetable and Poultry Fats, and Vegetable Extracts for Food Purposes; and Capsulated Food Colors With or Without Added Vitamins. R. P. Scherer Corporation, Detroit, Mich.
Filed Aug. 7, 1948, Serial No. 563,022. Published June 19, 1951. Class 46.

550,377. Brassières. Kabo Corset Company, Chicago, Ill., now by change of name Kabo, Inc., a corporation of Illinois.
Filed Aug. 13, 1948, Serial No. 563,343. Published Oct. 10, 1950. Class 39.

550,378. Jams, Fruit Jellies, Fruit Preserves, Prepared Mustard, and Marmalade. Baumer Foods, Inc., New Orleans, La.
Filed Sept. 14, 1948, Serial No. 565,106. Published July 3, 1951. Class 46.

550,379. Vitamins and Vitamin Preparations, Etc. Montgomery Ward & Co., Incorporated, also doing business as Montgomery Ward & Co., Chicago, Ill.
Filed Sept. 18, 1948, Serial No. 565,444. Published July 3, 1951. Class 18.

550,380. Food Products—Namely, Canned Tuna; Canned Fruits—Namely, Cherries, Pears, and Olives; Canned Tomatoes; Canned Tomato Puree; and Canned Tomato Juice. Hershel California Fruit Products Co., San Jose, Calif.
Filed Sept. 27, 1948, Serial No. 565,930. Published June 19, 1951. Class 46.

550,381. Pigments for Use in the Manufacture of Protective Coatings—Namely, Paints, Enamels, Lacquers. The Standard Ultramarine Co., Huntington, W. Va.
Filed Oct. 2, 1948, Serial No. 566,365. Published Aug. 7, 1951. Class 16.

550,382. Frozen Fish Products—Namely, Frozen Whole Fish, Frozen Fish Fillet, Smoked Frozen Fillet, and Frozen Prawns. Norsk Frossenfisk A/L, Oslo, Norway.
Filed Oct. 16, 1948, Serial No. 567,085. Published Aug. 14, 1951. Class 46.

550,383. Pharmaceutical Preparations — Namely, Synthetic Hormones, and Bandages Containing Such Hormones for Therapeutical Use in the Treatment of Humans and Animals. Societe Civile de Recherches Chimiques et Therapeutiques, Sceaux (Seine), France.
Filed Oct. 21, 1948, Serial No. 567,437. Published July 31, 1951. Class 18.

550,384. Metal Paint Primers and Metal Paints. Solvents and Plastics Company, St. Louis, Mo.
Filed Nov. 12, 1948, Serial No. 568,682. Published Aug. 7, 1951. Class 16.

550,385. High-Boiling Hydro-Carbon Petroleum Oil Composed Mainly of Aromatic-Type Hydro-Carbons for Use as a Creosote Diluent, a Vehicle for Wood Preservatives, and a Raw Material in the Manufacture of Carbon Black. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.
Filed Nov. 16, 1948, Serial No. 568,869. Published Aug. 7, 1951. Class 6.

550,386. Protective Covers for Automobiles; Protective Covers for Automobile Fenders, Seats, Steering Wheels, Doors, and Cowls. National Industrial Laundries, Newark, N. J.
Filed Nov. 19, 1948, Serial No. 569,090. Published Aug. 14, 1951. Class 50.

550,387. Personal Antiseptic and Germicide. The R. T. French Company, Rochester, N. Y.
Filed Nov. 24, 1948, Serial No. 569,370. Published July 3, 1951. Class 18.

550,388. Clips for Connecting Hose to Fixtures, Fittings for Connecting Hose to Taps. Tresidder and Moore, North Williamstown, Australia.
Filed Dec. 22, 1949, Serial No. 569,938. Published Aug. 21, 1951. Class 13.

550,389. Tubular Pipes and Pipe Fittings To Form a Conduit for Irrigation Purposes. Anderson-Miller Manufacturing Co., Spokane, Wash.
Filed Dec. 9, 1948, Serial No. 570,243. Published Aug. 14, 1951. Class 13.

550,390. Lawn Sprinklers, Hose Couplings, Hose Nozzles, Motor Supporting Rails. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,648. Published Aug. 7, 1951. Class 13.

550,391. Soluble Crystals To Be Used in a Preparation for Removing Paint and Varnish From Brushes. Andersen Specialty Mfg. Corp., Chicago, Ill.
Filed Oct. 18, 1949, Serial No. 570,682. Published Aug. 7, 1951. Class 16.

550,392. Automatic Air Line Lubricators, Hand Operated Pneumatic Grinders, Pneumatic Bench Grinders, Hand Operated Pneumatic Polishers, and Pneumatic Roll Pickers for Cotton Cording. Waldo F. Congdon, doing business as M-B Products, Detroit, Mich.
Filed Dec. 17, 1948, Serial No. 570,694. Published July 31, 1951. Class 23.

550,393. Metal Fastening Clips Designed To Be Used Where It Is Desired To Secure One Part to Another, Such as Two Panels, a Molding to a Panel or an Accessory to a Part. Robert L. Brown, doing business as Robin Produce Company, East Detroit, Mich.
Filed Dec. 20, 1948, Serial No. 570,831. Published Aug. 7, 1951. Class 13.

550,394. Resilient Mats of Elastic Material, Such as Molded Natural or Synthetic Rubber. Western Rubber Company, Goshen, Ind.
Filed Jan. 3, 1949, Serial No. 571,590. Published July 3, 1951. Class 50.

550,395. Sash Balances. Grand Rapids Hardware Co., Grand Rapids, Mich.
Filed Jan. 24, 1949, Serial No. 572,651. Published Aug. 7, 1951. Class 13.

550,396. Ladies' Hosiery, Made of Nylon. Arkwright Merchandising Corporation, New York, N. Y.
Filed Jan. 28, 1949, Serial No. 572,938. Published Sept. 26, 1950. Class 39.

550,397. Plant Stimulant. American Chemical Paint Company, Ambler, Pa.
Filed Feb. 3, 1949, Serial No. 573,223. Published June 6, 1950. Class 10.

550,398. Polyvinyl Chloride Liquid Dispersions, and Polysulfide Rubbers in Liquid Form. Fleximold Co., New York, N. Y.
Filed Feb. 16, 1949, Serial No. 573,934. Published Aug. 14, 1951. Class 6.

550,399. Antibiotic Inhalator. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Mar. 3, 1949, Serial No. 574,866. Published July 3, 1951. Class 18.

550,400. Antibiotic Inhalator. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Mar. 11, 1949, Serial No. 575,302. Published July 3, 1951. Class 18.

550,401. Vitamin Sedatives in Liquid Form. Nyrope Laboratories, Inc., New York, N. Y.
Filed Mar. 16, 1949, Serial No. 575,544. Published July 3, 1951. Class 18.

550,402. Fluorescent Ready Mixed Paints, Lacquers, Enamels, and Paint Water Colors. Gantner & Mattern Company, San Francisco, Calif.
Filed Mar. 19, 1949, Serial No. 575,702. Published Aug. 14, 1951. Class 16.

550,403. Hair Preparations—Namely, Hair and Scalp Ointment. Dowilder J. Gregory, San Francisco, Calif.
Filed Mar. 24, 1949, Serial No. 575,985. Published July 3, 1951. Class 18.

550,404. Wheat Flour. Standard Milling Company, Chicago, Ill.
Filed Mar. 24, 1949, Serial No. 576,022. Published June 19, 1951. Class 46.

550,405. Pyrophoric Cigar and Cigarette Lighters and Flints Therefor. The Parker Pipe Company Limited, London, England.
Filed Mar. 25, 1949, Serial No. 576,068. Published July 24, 1951. Class 8.

550,406. Tobacco Pipes, Tobacco Pouches, Tobacco Boxes and Jars, Tobacco Pipe Scrapers, Ashtrays, Cigarette and Cigar Cases, Cigarette and Cigar Boxes and Humidifiers for Tobacco Products, Cigar and Cigarette Holders, Cigar Piercers, Smokers' Knives, and Tobacco Pipe Cleaners. The Parker Pipe Company Limited, London, England.
Filed Mar. 25, 1949, Serial No. 576,069. Published July 24, 1951. Class 8.

550,407. Derivatives of Chlorophenylisopropyl-Biguanide for the Treatment of Malaria. Imperial Chemical (Pharmaceuticals) Limited, Slough, England.
Filed Mar. 30, 1949, Serial No. 576,330. Published July 3, 1951. Class 18.

550,408. Shampoo Tints. Eterne Manufacturing Corporation, New York, N. Y.
Filed Apr. 12, 1949, Serial No. 576,965. Published Aug. 21, 1951. Class 52.

550,409. Package Containing a Liquid for Coating the Surfaces of Gloves and an Implement for Reversing the Gloves as Needed for Applying the Coating. Bigelow Boysen, Idaho Falls, Idaho.
Filed Apr. 20, 1949, Serial No. 577,419. Published July 31, 1951. Class 50.

550,410. Cosmetic Preparations—Namely, Hair Tonic, Hair Dressing, Skin Lotion, and Face Cream. Robert Turner, doing business as Spargio Laboratories, Bridgeport, Conn.
Filed Apr. 26, 1949, Serial No. 577,756. Published July 3, 1951. Class 51.

550,411. Compositions for Treatment of Oil-Well Drilling Fluids. National Lead Company, Sayreville, N. J., and New York, N. Y.
Filed Apr. 28, 1949, Serial No. 577,896. Published Aug. 14, 1951. Class 6.

550,412. Metal Road Barricade, Wherein the Bar and Legs Are Covered With a Luminescent or Reflective Material To Act Both as a Physical Barricade and a Warning Signal. Bell Enterprises, Santa Ana, Calif.
Filed May 5, 1949, Serial No. 578,253. Published July 10, 1951. Class 50.

550,413. Vessels for Top-of-Stove Baking, Roasters, Casserole-Tureens, Chicken Fryers, Coffee Makers, Beverage Urns, Domed Cookers, Multi-Unit Pans, Griddle-Grills, Kettle-Ovens, Pressure Saucepans and Pressure Canners, all of Base Metal. Century Metalcraft Corporation, Los Angeles, Calif.
Filed May 5, 1949, Serial No. 578,257. Published Aug. 21, 1951. Class 13.

550,414. Cigarette, Cigar, and Pipe Lighters. Österreichische Knopf- und Metallwarenfabrik J. Meister & Co., Vienna, Austria.
Filed May 11, 1949, Serial No. 578,616. Published July 31, 1951. Class 8.

550,415. Cigarette, Cigar, and Pipe Lighters. Österreichische Knopf- und Metallwarenfabrik J. Meister & Co., Vienna, Austria.
Filed May 11, 1949, Serial No. 578,618. Published July 24, 1951. Class 8.

550,416. Waterless Hand Soap for Use in Removal of Grease, Paint, Ink, Dirt, and Similar Foreign Materials From Workmen's Hands. Frank E. Thompson, Jr., doing business as Sahara Waterless Soap Co., Grand Rapids, Mich.
Filed May 11, 1949, Serial No. 578,652. Published Aug. 15, 1950. Class 52.

550,417. Plastic Film in the Nature of Artificial Leather Sold in the Piece and Used for Upholstering Furniture. Ralph H. Black, trading as R. H. Black Associates, Philadelphia, Pa.
Filed May 13, 1949, Serial No. 578,759. Published Aug. 7, 1951. Class 50.

550,418. Belting of Rubber and Rubber and Fabric. United States Rubber Company, New York, N. Y.
Filed May 17, 1949, Serial No. 579,007. Published Aug. 14, 1951. Class 35.

550,419. Liquid Preparation for Cleaning Jewelry Consisting of a Soap Compound in a Specific Type of Container, the Top of Such Container Having a Brush and Hooks Attached Thereto. Glit-O-Ring, Inc., Minneapolis, Minn.
Filed May 21, 1949, Serial No. 579,278. Published Aug. 7, 1951. Class 52.

550,420. Detergent or Whitening Agent Usable With Water and Soap for Laundering Clothes. John Miele, formerly doing business as Economy Specialty Co. and now doing business as Economy Chemical Company, Jersey City, N. J.
Filed May 23, 1949, Serial No. 579,340. Published Aug. 7, 1951. Class 52.

550,421. CONSOLIDATED CERTIFICATE. International Business Machines Corporation, New York, N. Y.
Carbon Paper and Carbon Ribbons. Filed May 24, 1949, Serial No. 579,427. Published Oct. 17, 1950. Class 11.
Electrical and Electronic Apparatus—Namely, Annunciator Systems, Particularly for the Calling of Hospital Nurses by Patients, Etc. Filed May 24, 1949, Serial No. 579,426. Published Oct. 17, 1950. Class 21.
Typewriting Machines, Including Front Feed Typewriters, Carbon Ribbon Typewriters, Etc. Filed May 24, 1949, Serial No. 579,422. Published May 30, 1950. Class 23.
Calculating Machines, Multiplying Machines, Dividing Machines, Etc. Filed May 24, 1949, Serial No. 579,429. Published July 10, 1951. Class 26.
Clocks, Including Master Clocks, Etc. Filed May 24, 1949, Serial No. 579,430. Published Jan. 16, 1951. Class 27.
Time Card Racks. Filed May 24, 1949, Serial No. 579,424. Published July 3, 1951. Class 32.
Mechanical Pencils, Pencils, Pencil Leads, Etc. Filed May 24, 1949, Serial No. 579,431. Published Apr. 17, 1951. Class 37.
Books, Pamphlets, Leaflets, Periodicals, Catalogues, Printed Display Cards, Text and Lesson Books, Educational Charts. Filed May 24, 1949, Serial No. 579,425. Published Nov. 21, 1950. Class 38.

550,422. Candy. W. B. Palmer Estate, doing business as Palmer Candy Company, Sioux City, Iowa.
Filed May 25, 1949, Serial No. 579,510. Published Jan. 16, 1951. Class 46.

550,423. Tinware—Namely, Dairy Pails, Milk Kettles, Milking Pails, Etc. National Enameling and Stamping Company, Milwaukee, Wis., now by change of name Nesco, Inc.
Filed May 28, 1949, Serial No. 579,703. Published May 9, 1950. Class 2.

550,424. Work Shirts, Work Pants, and Dungarees. Standard Garments, Inc., Baltimore, Md.
Filed June 15, 1949, Serial No. 580,525. Published June 12, 1951. Class 39.

550,425. 6-Methyl-Thio-Uracil for Anti-Thyroid Medicament. Schwarz Laboratories, Inc., New York, N. Y.
Filed June 23, 1949, Serial No. 580,951. Published June 5, 1951. Class 18.

550,426. Liquid Hair Dressing. Boyer International Laboratory, Incorporated, Chicago, Ill.
Filed June 28, 1949, Serial No. 581,167. Published July 3, 1951. Class 51.

550,427. Reagent Gas Adapted for Maturing and Improving the Baking Qualities of Flour and Other Cereal Products—Namely, Chlorine Dioxide Gas as Prepared in Dilute Form for Such Treatment. Novadel-Agene Corporation, Belleville, N. J.
Filed July 6, 1949, Serial No. 581,563. Published Aug. 14, 1951. Class 6.

550,428. Medicinal Preparation for Internal Use in Cases of Headache, Etc. John V. Knight, Minneapolis, Minn.
Filed July 9, 1949, Serial No. 581,721. Published July 3, 1951. Class 18.

550,429. Candy. Ben Myerson, doing business as Ben Myerson Candy Co., Los Angeles, Calif.
Filed July 13, 1949, Serial No. 581,883. Published July 3, 1951. Class 46.

550,430. Perfume Extracts, Perfume, Toilet Water, Etc. Caron Corporation, New York, N. Y.
Filed Aug. 13, 1949, Serial No. 583,426. Published July 3, 1951. Class 51.

550,431. Fire Resistant Tarpaulins and Tents. H. Wenzel Tent & Duck Co., St. Louis, Mo.
Filed Aug. 17, 1949, Serial No. 583,628. Published July 17, 1951. Class 50.

550,432. Water Repellent Tarpaulins and Tents. H. Wenzel Tent & Duck Co., St. Louis, Mo.
Filed Aug. 17, 1949, Serial No. 583,629. Published July 17, 1951. Class 50.

550,433. Preparation of Minerals and Vitamins for Use in Swine, Sheep, Dairy Cows, Calves, Beef Cattle, and Poultry Feeds. Mineral Feeds, Inc., Minneapolis, Minn.
Filed Aug. 24, 1949, Serial No. 583,940. Published July 17, 1951. Class 18.

550,434. Combination Urinal Strainer and Urinal Deodorizer. Hysan Products Company, Chicago, Ill.
Filed Aug. 30, 1949, Serial No. 584,233. Published Aug. 14, 1951. Class 13.

550,435. Metal Cutting Tools—Namely, Gear Cutters and Gear Shaving Tools. The Fellows Gear Shaper Company, Springfield, Vt.
Filed Sept. 3, 1949, Serial No. 584,446. Published July 31, 1951. Class 23.

550,436. Automotive Brake Materials—Namely, Brake Blocks and Brake Bands. Laher Spring and Tire Corporation, Oakland, Calif.
Filed Sept. 6, 1949, Serial No. 584,499. Published Aug. 7, 1951. Class 35.

550,437. Olive Oil. Vito A. D'Aprile, doing business as V. A. D'Aprile & Co., Hartford, Conn.
Filed Sept. 30, 1949, Serial No. 585,570. Published June 12, 1951. Class 46.

550,438. Lubricated Rubber Prophylactics for the Prevention of Contagious Diseases. Aronab Products Co., San Francisco, Calif.
Filed Oct. 7, 1949, Serial No. 585,907. Published July 31, 1951. Class 44.

550,439. Gold and Platinum for Use in Dental Restoration and Repair. Hastings & Co., Inc., Philadelphia, Pa.
Filed Oct. 8, 1949, Serial No. 585,998. Published July 31, 1951. Class 44.

550,440. Active-Chlorine-Containing Compositions for Treating Ion Exchange Beds, Filtering Beds, and Water-Softening Beds To Prevent or Correct Clogging of Same by Organic Growth. Wallace & Tiernan Products, Inc., Belleville, N. J.
Filed Oct. 8, 1949, Serial No. 586,025. Published Aug. 14, 1951. Class 6.

550,441. Sanitizing Preparation. The Infantcy Products Company, Inc., Norwich, N. Y.
Filed Oct. 12, 1949, Serial No. 586,170. Published Aug. 14, 1951. Class 6.

550,442. Portable Pyrophoric Cigar or Cigarette Lighters. Bowers Tool & Die Company, and also doing business as Bowers Lighter Company, Kalamazoo, Mich.
Filed Oct. 13, 1949, Serial No. 586,232. Published July 24, 1951. Class 8.

550,443. Anti-Histaminic Pharmaceutical Preparation Containing Pyranisamine Maleate. Horton & Converse, Los Angeles, Calif.
Filed Oct. 18, 1949, Serial No. 586,484. Published July 3, 1951. Class 18.

550,444. Wood Fasteners—Namely, Staples. E. B. Packard Co., Inc., New York, N. Y.
Filed Oct. 18, 1949, Serial No. 586,495. Published Aug. 14, 1951. Class 13.

550,445. Candles. Corey Candles, Inc., Toledo, Ohio.
Filed Oct. 20, 1949, Serial No. 586,592. Published June 19, 1951. Class 46.

550,446. Paints for Interior and Exterior Use and Fluid Paint Colorants. Bennett's, Salt Lake City, Utah.
Filed Oct. 24, 1949, Serial No. 586,723. Published Jan. 9, 1951. Class 16.

550,447. Group A—Bathroom Fixtures—Namely, Paper Holders, Soap Dishes, Robe Hooks, Towel Racks, Tumbler Holders, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Oct. 24, 1949, Serial No. 586,767. Published Aug. 14, 1951. Class 13.

550,448. Fungicidal Material. Scientific Oil Compounding Company, Inc., Chicago, Ill.
Filed Oct. 31, 1949, Serial No. 587,090. Published Aug 14, 1951. Class 6.

550,449. Wall Type Can Openers and Parts Thereof. National Die Casting Company, Chicago, Ill.
Filed Nov. 5, 1949, Serial No. 587,394. Published July 31, 1951. Class 23.

550,450. Rubber Lined Cotton Fire Hose. Quaker Rubber Corporation, Philadelphia, Pa.
Filed Nov. 8, 1949, Serial No. 587,506. Published Aug. 7, 1951. Class 35.

550,451. Automatic Mechanical Poultry Feeder. Feed-O-Matic Co., Inc., Portland, Maine.
Filed Nov. 10, 1949, Serial No. 587,669. Published July 3, 1951. Class 50.

550,452. Staples Used for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal Together, Also for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal on to Wood. Markwell Manufacturing Company, Inc., New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,310. Published Aug. 7, 1951. Class 13.

550,453. Flexible Metal Tubing. Ryder Manufacturing Company, Chicago, Ill.
Filed Nov. 30, 1949, Serial No. 588,598. Published Aug. 14, 1951. Class 13.

550,454. Alkaline Detergent for Machine Dishwashing and General Cleaning Purposes. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Dec. 15, 1949, Serial No. 589,366. Published Aug. 7, 1951. Class 52.

550,455. Liquid Preparation for Removal of Blood Stains From Fabrics. Patek and Co., San Francisco, Calif.
Filed Nov. 29, 1949, Serial No. 589,408. Published Aug. 7, 1951. Class 52.

550,456. Men's Socks. Peter Field Limited, Slough, Buckinghamshire, England.
Filed Dec. 20, 1949, Serial No. 589,652. Published Sept. 26, 1950. Class 39.

550,457. Alkyd Resins for Use as Ingredients in the Manufacture of Industrial Type Paints. Devoe & Raynolds Company, Inc., New York, N. Y.
Filed Jan. 11, 1950, Serial No. 590,656. Published Aug. 7, 1951. Class 16.

550,458. Pottery Figurines, Hand Painted and Ornamental Chinaware Figurines, Chinaware Figurines and Plaques. Baker Imperial Co., Inc., New York, N. Y.
Filed Jan. 13, 1950, Serial No. 590,794. Published Aug. 14, 1951. Class 50.

550,459. Concentrated Solution of Amino Acids, Vitamins, and Minerals To Be Added to Animal Food for Dogs and Small Breed Fur-Bearing Animals. Kuster Laboratories, Inc., San Francisco, Calif.
Filed Jan. 13, 1950, Serial No. 590,815. Published July 3, 1951. Class 18.

550,460. Mild Powder, an Autoclaved-Hypoallergenic Talc To Be Used Topically in Connection With the Treatment of Various Dermatoses, Etc. Allied Distributors, Pittsburgh, Pa.
Filed Jan. 21, 1950, Serial No. 591,216. Published July 10, 1951. Class 18.

550,461. Bells, Made of Iron. Fulton Brown, doing business under the name of Horseshoe Forge, Lexington, Mass.
Filed Jan. 26, 1950, Serial No. 591,453. Published Aug. 21, 1951. Class 13.

550,462. Perfumes, Toilet Waters, Colognes, Face Powder, Rouge, Lipstick, Eye Shadow, Mascara, Brilliantine. Benard & Honnorat, Grasse, Alpes Maritimes, France.
Filed Jan. 27, 1950, Serial No. 591,551. Published July 3, 1951. Class 51.

550,463. Flexible Tubing. U. S. Bottlers Machinery Company, Chicago, Ill.
Filed Jan. 27, 1950, Serial No. 591,598. Published Aug. 7, 1951. Class 35.

550,464. Water Softener and Color Brightener Used for Laundry Purposes. H. Kohnstamm & Co., Inc., New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,738. Published Aug. 14, 1951. Class 6.

550,465. Anti-Freeze Compounds. R. P. Roberts, trading and doing business as R. P. Roberts Mfg. Co., McPherson, Kans.
Filed Feb. 7, 1950, Serial No. 592,101. Published Aug. 14, 1951. Class 6.

550,466. Hosiery for Men, Women, Boys, and Girls. Murphy, Brill & Sahner, Inc., New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,922. Published Aug. 14, 1951. Class 39.

550,467. Cleaner and Polish for Painted, Enameled, Lacquered, and Like Surfaces. Borg-Warner Corporation, Chicago, Ill.
Filed Mar. 15, 1950, Serial No. 593,967. Published July 31, 1951. Class 4.

550,468. Vegetable Shortening. Delta Products Company, Wilson, Ark.
Filed Mar. 17, 1950, Serial No. 594,107. Published July 10, 1951. Class 46.

550,469. Shower Cabinets and Sink Cabinets Equipped With Sinks. Nathan H. Turkin, doing business under the name of Kenron Steel Products, Chicago, Ill.
Filed Mar. 23, 1950, Serial No. 594,502. Published Aug. 21, 1951. Class 13.

550,470. Insecticides, Fungicides, and Weed-Killers. Plant Protection Limited, Yalding, Kent, England.
Filed Mar. 24, 1950, Serial No. 594,582. Published Aug. 14, 1951. Class 6.

550,471. Combination of a Coal Tar Extract and an Anti-Histamine Incorporated in a Greaseless Base for External Dermatological Use. The Tarbonis Company, Cleveland, Ohio.
Filed Mar. 25, 1950, Serial No. 594,673. Published Mar. 6, 1951. Class 18.

550,472. Sterilizing and Softening Agent To Be Added to the Final Rinse in the Laundering of All Cotton Materials. Joseph D. Payne, Glendale, Calif.
Filed Mar. 27, 1950, Serial No. 594,724. Published Aug. 14, 1951. Class 6.

550,473. Antiseptic, Medicated, and Deodorant Lotion for Use in the Treatment of Athlete's Foot and Minor Skin Irritations—Namely, Insect Bites. The Foot-Ill Co., Inc., Norwalk, Conn.
Filed Apr. 4, 1950, Serial No. 595,194. Published July 3, 1951. Class 51.

550,474. Preparations for Increasing Color Fastness of Dyed Fabrics and Yarns. Dan River Mills, Incorporated, Danville, Va.
Filed Apr. 7, 1950, Serial No. 595,360. Published Aug. 14, 1951. Class 6.

550,475. Paints—Namely, Heavy Bodied House Paint, Interior Self-Priming Paint, Pigmented Primer and Sealer Paint, Interior Gloss Paint, Interior Semi-Gloss Paint, Wood Enamel, Enamel Undercoat, and Interior Flat Paint. Brager-Eisenberg, Inc., Baltimore, Md.
Filed Apr. 14, 1950, Serial No. 595,705. Published Aug. 7, 1951. Class 16.

550,476. Pharmaceutical Preparation Designed for Treatment of Acute Rheumatic Fever, Arthritis, and Other Rheumatoid Conditions. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,604. Published July 17, 1951. Class 18.

550,477. Multiple Vitamin Preparation in the Form of a Homogenized Mixture, Etc. Abbott Laboratories, North Chicago, Ill.
Filed May 2, 1950, Serial No. 596,697. Published July 3, 1951. Class 18.

550,478. Kits for Making Model Buildings Containing Strip Material for Indicating Walls and Partitions and Flexible Materials for Forming Articles of Furniture. R. A. Bonnett, San Rafael, Calif.
Filed May 2, 1950, Serial No. 596,710. Published Aug. 14, 1951. Class 50.

550,479. Women's Hosiery. The Nolde and Horst Company, Reading, Pa.
Filed May 10, 1950, Serial No. 597,223. Published Aug. 14, 1951. Class 39.

550,480. Closures for Containers, Which Closures Have a Lip for Stripping Liquid From a Brush. Leo L. Kellett, Kansas City, Mo.
Filed May 16, 1950, Serial No. 597,528. Published Aug. 7, 1951. Class 50.

550,481. Floor Mats, Shower Mats, Bath Mats, Drain Board Mats, Coin Mats, Quick Seal Bottle Stoppers, Utility Floor Mats for Refuse Cans, Garbage Cans, Cuspidors and the Like, and Rubber Hanging Adaptors for Household Implements With Handles. The Sun Rubber Company, Barberton, Ohio.
Filed May 17, 1950, Serial No. 597,639. Published July 17, 1951. Class 50.

550,482. Fly Swatters. Midwest Service Company, Chicago, Ill.
Filed May 20, 1950, Serial No. 597,835. Published Aug. 7, 1951. Class 50.

550,483. Flexible Rubber Mats. The Paine & Williams Company, Cleveland, Ohio.
Filed May 25, 1950, Serial No. 598,103. Published July 17, 1951. Class 50.

550,484. Unitary Plumbing Fixture Consisting of a Mixing Valve, Pipe Line, and Tank To Be Affixed to a Faucet for Treating Water. Auto Chlor System, Inc., Memphis, Tenn.
Filed May 31, 1950, Serial No. 598,345. Published Aug. 21, 1951. Class 13.

550,485. Tobacco Pouches, Cigarette Cases. Greatrex Ltd., New York, N. Y.
Filed May 31, 1950, Serial No. 598,360. Published July 10, 1951. Class 8.

550,486. Trench Digging Machine. Arps Corporation, New Holstein, Wis.
Filed May 17, 1950, Serial No. 598,556. Published July 24, 1951. Class 23.

550,487. Wire Cloth or Fabric; Metal Chain Link Fence; Portable Metal Fence for Kennels and Poultry; Metal Fence for Tennis Courts, Lawns, Estate Boundaries, Residential Gates, and Railings. Buffalo Wire Works Co., Buffalo, N. Y.
Filed May 3, 1950, Serial No. 598,559. Published Aug. 21, 1951. Class 13.

550,488. Wire Cloth or Fabric; Metal Chain Link Fence; Portable Metal Fence for Kennels and Poultry; Metal Fence for Tennis Courts, Lawns, Estate Boundaries, Residential Gates and Railings. Buffalo Wire Works Co., Buffalo, N. Y.
Filed May 3, 1950, Serial No. 598,560. Published Aug. 21, 1951. Class 13.

550,489. Paints of Fire Retardant Finish Coating Type. Nopyron Corporation, New York, N. Y.
Filed June 6, 1950, Serial No. 598,671. Published Aug. 7, 1951. Class 16.

550,490. Lacquers, Enamels, Varnishes, and Thinners Therefor. Atlas Powder Company, Wilmington, Del.
Filed June 7, 1950, Serial No. 598,699. Published Aug. 7, 1951. Class 16.

550,491. Multiple Vitamin Preparation. Nutrition Enterprises, Chicago, Ill.
Filed June 7, 1950, Serial No. 598,749. Published July 17, 1951. Class 18.

550,492. Baking Enamels; Lacquers; Mixed Oil Paints; Pigmented Sealers for Use on Metal and Wood Surfaces; Paint Primers; Paint Enamels; Etc. Coating Materials Laboratories, Inc., Belleville, N. J.
Filed June 9, 1950, Serial No. 598,833. Published Aug. 7, 1951. Class 16.

550,493. Antibacterial Suspension. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed June 14, 1950, Serial No. 599,126. Published July 17, 1951. Class 18.

550,494. Bottled Propane Heating Gas. Consumers Gas Company of Georgia, Incorporated, Albany, Ga.
Filed June 15, 1950, Serial No. 599,157. Published Aug. 14, 1951. Class 6.

550,495. Military and Agricultural Tractors, Steam and Diesel Engined Locomotives, Water Turbines, Diesel Engines, Pumps, Pneumatic Power Hammers, Oil Pressure Governors, and Parts Thereof. Nydqvist & Holm Aktiebolag, Trollhattan, Sweden.
Priority under Sec. 44 (*d*). Swedish Registration No. 68,006, filed Dec. 20, 1949.
Filed June 19, 1950, Serial No. 599,389. Published July 31, 1951. Class 23.

550,496. Globe Valves, Angle Stop Valves, Horizontal Check Valves, and Angle Check Valves, All Used in Connection With Steam, Water, Oil, Air, and Gas Service. The Schaible Company, Cincinnati, Ohio.
Filed June 20, 1950, Serial No. 599,455. Published Aug. 21, 1951. Class 13.

550,497. Bottled Propane Heating Gas. Consumers Gas Company of Georgia, Incorporated, Albany, Ga.
Filed June 22, 1950, Serial No. 599,552. Published Aug. 14, 1951. Class 6.

550,498. Prepared Mustard. McCormick & Company, Inc., Baltimore, Md.
Filed June 22, 1950, Serial No. 599,575. Published Aug. 7, 1951. Class 46.

550,499. Drill Bushings. American Drill Bushing Co., Inc., Los Angeles, Calif.
Filed June 24, 1950, Serial No. 599,688. Published Aug. 14, 1951. Class 23.

550,500. Oral Preparation in Tablet Form Indicated in Vitamin Deficiency. Abbott Laboratories, North Chicago, Ill.
Filed June 26, 1950, Serial No. 599,734. Published July 17, 1951. Class 18.

550,501. Small Statues Used as Paperweights or Ornaments. Thomas A. Hennessey, Chicago, Ill.
Filed June 29, 1950, Serial No. 599,944. Published July 31, 1951. Class 50.

550,502. Laundry Detergents of Various Strengths, Industrial Floor Cleaning Compounds, All Purpose Cleaner for Walls, Tile, and the Like, Spray Booth Washing Compound, and Emulsifier Used in Washing Heavily Soiled Fabrics. Nelson Chemicals Corporation, Detroit, Mich.
Filed July 1, 1950, Serial No. 600,137. Published Aug. 7, 1951. Class 52.

550,503. Anthelmintic Preparation. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed July 5, 1950, Serial No. 600,231. Published July 17, 1951. Class 18.

550,504. Resinous Plastic Protective Coating Composition, and Thinners, Reducers, and Undercoatings Therefor. The Lockrey-Fater Corporation, New York, N. Y.
Filed July 21, 1950, Serial No. 601,054. Published Aug. 7, 1951. Class 16.

550,505. Fluid Non-Fat Milk. Steffen Dairy Foods Company, Inc., Wichita, Kans.
Filed July 24, 1950, Serial No. 601,175. Published June 12, 1951. Class 46.

550,506. Periodical Publication. P. Lorillard Company, New York, N. Y.
Filed July 28, 1950, Serial No. 601,361. Published July 24, 1951. Class 38.

550,507. Motor Lubricating Oil. The Pure Oil Company, Chicago, Ill.
Filed July 31, 1950, Serial No. 601,510. Published July 17, 1951. Class 15.

550,508. Core and Dry Mold Binders. American Cyanamid Company, New York, N. Y.
Filed Aug. 7, 1950, Serial No. 601,815. Published July 31, 1951. Class 5.

550,509. Medicinal Preparation for Relief of Nausea and Vomiting Due to Pregnancy, Motion Sickness, and Irradiation Sickness. First Texas Chemical Manufacturing Co., Dallas, Tex.
Filed June 23, 1950, Serial No. 601,863. Published July 17, 1951. Class 18.

550,510. Buffs and Grinding Wheels Made of Layers of Woven Material. Joseph R. Davies, doing business under the name of Joseph R. Davies & Associates, Chicago, Ill.
Filed Aug. 18, 1950, Serial No. 602,375. Published Aug. 7, 1951. Class 4.

550,511. Liquid Molybdenum Base Lubricant for Extreme Temperatures, Pressures, and Speeds. Andrew J. Lockrey, doing business as The Lockrey Company, College Point, N. Y.
Filed Aug. 19, 1950, Serial No. 602,463. Published July 17, 1951. Class 15.

550,512. Smokers' Pipes. S. S. Pierce Co., Boston, Mass.
Filed Aug. 22, 1950, Serial No. 602,567. Published June 19, 1951. Class 8.

550,513. Antispasmodic Preparation. A. H. Robins Company, Inc., Richmond, Va.
Filed Aug. 23, 1950, Serial No. 602,634. Published July 17, 1951. Class 18.

550,514. Antacid Preparation. A. H. Robins Company, Inc., Richmond, Va.
Filed Aug. 23, 1950, Serial No. 602,635. Published July 17, 1951. Class 18.

550,515. Antiseptic Mouth Wash. F. Harold Lewis, doing business as Rogers Park Drug Company, Baltimore, Md.
Filed Aug. 25, 1950, Serial No. 602,767. Published July 3, 1951. Class 18.

550,516. Hydrocarbons, Phenols, Including Chlorinated Phenols, Etc. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Aug. 29, 1950, Serial No. 602,873. Published Aug. 14, 1951. Class 6.

550,517. Stearic Acid, Red Oil, and Glycerine. W. C. Hardesty Company, Inc., New York, N. Y.
Filed Aug. 30, 1950, Serial No. 602,946. Published Aug. 14, 1951. Class 6.

550,518. Pigments and Colors. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y.
Filed July 29, 1950, Serial No. 603,098. Published Aug. 14, 1951. Class 6.

550,519. Cakes and Doughnuts. Purity Bakeries Corporation, Chicago, Ill.
Filed Sept. 9, 1950, Serial No. 603,379. Published July 10, 1951. Class 46.

550,520. Bolts; Catches; Chains; Casement, Door, and Sash Fasteners; Screen and Storm Sash Hangers; Hinges; Hooks; Knobs; Hook Sash and Flush Sash Lifts; Cast Bar, Drawer and Streamline Pulls; Cupboard Turns and Turnbuttons. Star Metal Products Co., Brooklyn, N. Y.
Filed Sept. 9, 1950, Serial No. 603,388. Published Aug. 21, 1951. Class 13.

550,521. Quick Frozen Frying Chicken. Frozen Foods Marketing Co., also known as Frozen Foods Marketing Co., Inc., San Francisco, Calif.
Filed Sept. 15, 1950, Serial No. 603,582. Published June 12, 1951. Class 46.

550,522. Fresh Citrus Fruits. The Citrapak Corporation, Orlando, Fla.
Filed Sept. 18, 1950, Serial No. 603,667. Published June 12, 1951. Class 46.

550,523. Portable Miniature Greenhouses. Chase Protected Cultivation Limited, Shepperton, Middlesex, England.
Filed Sept. 19, 1950, Serial No. 603,729. Published July 31, 1951. Class 50.

550,524. Cigarette Filters. Wallace V. Pflueger, doing business as The Smo-Kerchief Company, St. Louis, Mo.
Filed Sept. 21, 1950, Serial No. 603,853. Published July 10, 1951. Class 8.

550,525. Identification Devices—Namely, Identification Leg and Wing Bands for Pigeons, Game Birds, and Poultry, and Plastic Labels and Markers for Plants, Shrubs, and Trees. Gey Band and Tag Company, Norristown, Pa.
Filed Sept. 22, 1950, Serial No. 603,883. Published July 17, 1951. Class 50.

550,526. Plastic Shoe Lasts. American Medical Glass Company, Washington, D. C.
Filed Sept. 25, 1950, Serial No. 603,951. Published July 31, 1951. Class 50.

550,527. Tobacco Pipes. The Civic Company, Limited, London, England.
Filed Sept. 28, 1950, Serial No. 604,145. Published July 10, 1951. Class 8.

550,528. Protective and Cushioning Mats and Rugs Fabricated From Rubber, Rubber Substitutes, and Similar Materials. American Mat Corporation, Toledo, Ohio.
Filed Sept. 29, 1950, Serial No. 604,178. Published July 17, 1951. Class 50.

550,529. Insecticides. Scientific Supply Co., Inc., Denver, Colo.
Filed Sept. 29, 1950, Serial No. 604,235. Published Aug. 14, 1951. Class 6.

550,530. Machine Transmissions and Parts Thereof. Transmission Supplies, Incorporated, Greensboro, N. C.
Filed Oct. 2, 1950, Serial No. 604,331. Published July 24, 1951. Class 23.

550,531. Chick Feeders, Hog Feeders, and Chick Fountains. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Sept. 29, 1950, Serial No. 604,343. Published July 17, 1951. Class 50.

550,532. Table Mats, Stove Mats, and Household Utility Mats. Phoenix Table Mat Co., Chicago, Ill.
Filed Oct. 5, 1950, Serial No. 604,491. Published Aug. 14, 1951. Class 50.

550,533. Covers Used To Cover Motor Generators While Said Generators Are Being Cleaned by Means of Air Pressure. Lehara Sales Corporation, New York, N. Y.
Filed Oct. 9, 1950, Serial No. 604,642. Published July 17, 1951. Class 50.

550,534. Sump Pump. William G. Mason, doing business as Triangle Manufacturing Company, Detroit, Mich.
Filed Oct. 9, 1950, Serial No. 604,648. Published July 24, 1951. Class 23.

550,535. Chemical Products for Use as Auxiliary Agents in the Textile Industry. Ciba Limited, Basel, Switzerland.
Filed Oct. 12, 1950, Serial No. 604,766. Published Aug. 21, 1951. Class 6.

550,536. Traveling Cranes. Manning, Maxwell & Moore, Inc., New York, N. Y.
Filed Oct. 13, 1950, Serial No. 604,854. Published July 31, 1951. Class 23.

550,537. Preparation for the Treatment of Fungus Infection—Namely, Athlete's Foot and Ringworm Other Than That Involving the Nails or Hairy Portions of the Body. The P. & W. Chemical Co., Palmyra, Pa.
Filed Oct. 13, 1950, Serial No. 604,860. Published July 17, 1951. Class 18.

550,538. Solution of Dispersed Synthetic Resin in Liquid Form Used in the Manufacture of Unsupported Film, Coatings, Extruded, Dipped or Formed Articles. General Latex and Chemical Corporation, Cambridge, Mass.
Filed Oct. 14, 1950, Serial No. 604,909. Published Aug. 21, 1951. Class 6.

550,539. Sterilizing Units for Flush Type Toilets Comprising a Dispenser Containing a Disinfectant Designed To Be Affixed to the Toilet Tank and Adapted To Discharge the Disinfectant Into the Toilet Bowl. Kinnard, Incorporated, Little Falls, N. J.
Filed Oct. 18, 1950, Serial No. 605,098. Published Aug. 14, 1951. Class 13.

550,540. Chemical Compound To Increase Luster and Leveling of Paints. R. T. Vanderbilt Company, Inc., New York, N. Y.
Filed Oct. 18, 1950, Serial No. 605,125. Published Aug. 7, 1951. Class 16.

550,541. Gasoline. Continental Oil Company, Ponca City, Okla.
Filed Oct. 19, 1950, Serial No. 605,147. Published July 17, 1951. Class 15.

550,542. Latex Base Paints. The Muralo Company, Inc., New Brighton and Staten Island, N. Y.
Filed Oct. 20, 1950, Serial No. 605,221. Published Aug. 7, 1951. Class 16.

550,543. Ashtrays. Pax Products, Inc., New York and Brooklyn, N. Y.
Filed Oct. 20, 1950, Serial No. 605,229. Published July 24, 1951. Class 8.

550,544. Canned Grapefruit Juice, Orange Juice, Blended Orange and Grapefruit Juice, Grapefruit Sections, and a Combination of Grapefruit and Orange Segments. Domino Canning Co., Inc., Bradenton, Fla.
Filed Oct. 24, 1950, Serial No. 605,354. Published Aug. 14, 1951. Class 46.

550,545. Vacuum Sealing Covers, Made of Rubber or Plastic, for Jars, Cans, and Glasses. Richard Scherrer, doing business under the name and style of C & S Engineering Co., Woodside, Calif.
Filed Oct. 24, 1950, Serial No. 605,371. Published Aug. 7, 1951. Class 50.

550,546. Body and Breath Deodorant for Internal Use. Scorber Distributing Co., Inc., Denver, Colo.
Filed Oct. 27, 1950, Serial No. 605,497. Published July 3, 1951. Class 18.

550,547. Dolls and Accessories for Dolls, Including Doll Clothes, Doll Furniture, and the Like. Countess Mariuccia De-Lord Carosio, Asolo (Treviso), Italy.
Filed Oct. 31, 1950, Serial No. 605,634. Published May 22, 1951. Class 22.

550,548. Medicinal Preparation for Use as a Hematinic. The Upjohn Company, Kalamazoo, Mich.
Filed Nov. 2, 1950, Serial No. 605,817. Published July 3, 1951. Class 18.

550,549. Chemical Laxative. Schenley Laboratories, Inc., New York, N. Y.
Filed Nov. 3, 1950, Serial No. 605,874. Published July 3, 1951. Class 18.

550,550. Chemical Laxative. Schenley Laboratories, Inc., New York, N. Y.
Filed Nov. 3, 1950, Serial No. 605,876. Published July 3, 1951. Class 18.

550,551. Long-Chain Synthetic Alcohol Wax for Use in Coating Paper, Blending With Other Waxes, and General Use. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Nov. 4, 1950, Serial No. 605,887. Published July 31, 1951. Class 6.

550,552. Liquified Concentrate for Killing Weeds. Twin City Seed Company, Minneapolis, Minn.
Filed Nov. 4, 1950, Serial No. 605,930. Published Aug. 14, 1951. Class 6.

550,553. Raincoats and Topcoats for Men. The Alligator Company, St. Louis, Mo.
Filed Nov. 9, 1950, Serial No. 606,111. Published Aug. 14, 1951. Class 39.

550,554. Women's Hosiery. The Associated Merchandising Corporation, New York, N. Y.
Filed Nov. 9, 1950, Serial No. 606,114. Published Aug. 14, 1951. Class 39.

550,555. Multi-Vitamin and Multi-Mineral Preparation. Ralph I. Guy, doing business under the fictitious name and style of the Vitmora Company, Glendale, Calif.
Filed Nov. 10, 1950, Serial No. 606,216. Published July 17, 1951. Class 18.

550,556. Machine Belt Fasteners of Ordinary Metal. Isaac Jackson & Sons Limited, Glossop, England.
Filed Nov. 10, 1950, Serial No. 606,227. Published Aug. 21, 1951. Class 13.

550,557. Medicinal Preparation Intended for the Temporary Relief of Rectal Irritation and Itching Due to Hemorrhoids or Piles. Ethel B. Miller, doing business as Millock, Elizabethton, Tenn.
Filed Nov. 10, 1950, Serial No. 606,228. Published July 17, 1951. Class 18.

550,558. Internal Combustion Engines and Parts Thereof. Cummins Engine Company, Inc., Columbus, Ind.
Filed Nov. 13, 1950, Serial No. 606,276. Published July 31, 1951. Class 23.

550,559. Ammonia, Laundry Starch, Lye, Bleach, and Disinfectant. Francis H. Leggett & Co., New York, N. Y.
Filed Nov. 14, 1950, Serial No. 606,385. Published Aug. 14, 1951. Class 6.

550,560. Pigment-Resin Dispersions in Chip and Paste Form. Sun Chemical Corporation, Long Island City, N. Y.
Filed Nov. 15, 1950, Serial No. 606,445. Published Aug. 21, 1951. Class 6.

550,561. Machines for Eviscerating, Washing, and Packing Poultry. Gordon Johnson Company, Kansas City, Mo.
Filed Nov. 16, 1950, Serial No. 606,473. Published Aug. 14, 1951. Class 23.

550,562. Synthetic Resins. Reichhold Chemicals, Inc., Detroit, Mich.
Filed Nov. 20, 1950, Serial No. 606,681. Published Aug. 21, 1951. Class 6.

550,563. Dyestuffs. American Aniline Products, Inc., New York, N. Y.
Filed Nov. 22, 1950, Serial No. 606,743. Published Aug. 21, 1951. Class 6.

550,564. Tobacco Pipes. Loewe & Co., Limited, London, England.
Filed Nov. 25, 1950, Serial No. 606,925. Published Aug. 14, 1951. Class 8.

550,565. Gate Valves, Gage Cocks, Globe Valves, Angle Valves, Cross Valves, Check Valves, Etc. The Schaible Company, Cincinnati, Ohio.
Filed Dec. 6, 1950, Serial No. 607,355. Published Aug. 21, 1951. Class 13.

550,566. Rock, Earth, and Coal Drilling and Boring Machines. The Salem Tool Company, Salem, Ohio.
Filed Dec. 9, 1950, Serial No. 607,522. Published Aug. 14, 1951. Class 23.

550,567. Power Lawn Mowers. Root Manufacturing Co., Inc., Baxter Springs, Kans.
Filed Dec. 11, 1950, Serial No. 607,562. Published July 24, 1951. Class 23.

550,568. Power Lawn Mowers and Saws. Root Manufacturing Co., Inc., Baxter Springs, Kans.
Filed Dec. 11, 1950, Serial No. 607,561. Published July 24, 1951. Class 23.

550,569. Lids for Coffee Percolators. Perc-Tone Aluminum Products, Inc., Brooklyn, N. Y.
Filed Dec. 15, 1950, Serial No. 607,719. Published Aug. 21, 1951. Class 13.

550,570. Hors d'Oeuvre and Sandwich Picks. Edwin R. Barney, Cambridge, Mass.
Filed Dec. 28, 1950, Serial No. 608,143. Published Aug. 14, 1951. Class 13.

550,571. Earthenware Figures and Wall Plaques. W. Goebel Porzellanfabrik Oeslau und Wilhelmsfeld, Oeslau near Coburg, Germany.
Filed Aug. 9, 1950, Serial No. 608,969. Published Aug. 7, 1951. Class 50.

550,572. Earthenware Figures and Wall Plaques. W. Goebel Porzellanfabrik Oeslau und Wilhelmsfeld, Oeslau near Coburg, Germany.
Filed Aug. 9, 1950, Serial No. 608,970. Published July 10, 1951. Class 50.

550,573. Pianos. R. H. Macy & Co., Inc., New York, N. Y.
Filed Jan. 22, 1951, Serial No. 609,093. Published Aug. 7, 1951. Class 36.

550,574. Wire Screen. Clark Wire and Supply Corp., Houston, Tex.
Filed Jan. 24, 1951, Serial No. 609,165. Published Aug. 7, 1951. Class 13.

550,575. Wooden Ice Cream Sticks. The Diamond Match Company, New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,283. Published Aug. 7, 1951. Class 13.

550,576. Forged Steel Chain Links. The Boston Metals Company, Chester, Pa.
Filed Jan. 30, 1951, Serial No. 609,391. Published Aug. 7, 1951. Class 13.

550,577. Economic Poisons Wood Preservative and Mold and Mildew Proofer. Fungitrol Chemicals Incorporated, Hillside, N. J.
Filed Mar. 16, 1951, Serial No. 611,417. Published Aug. 14, 1951. Class 6.

550,578. Spinning Tops and Rocking Horses. W. H. Schlee, Inc., Lockport, N. Y.
Filed June 1, 1951, Serial No. 614,634. Published Aug. 21, 1951. Class 22.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

550,579. (Class 12. Construction Materials.) Claude H. Blakeslee, doing business as Silo-Seal Sales & Service, Denver, Colo. Original filed, act of 1905, Nov. 21, 1946; amended to application under act of 1946, Supplemental Register, Dec. 16, 1950, Serial No. 512,957.

SILO-SEAL

For Petroleum Asphaltic Base Penetrating and Adhesive Liquid Containing Pore-Sealing Ingredients for Application to Concrete, Masonry, and Tile Walls To Coat and Seal Same as an Acid and Water-Resistant Surface.
Claims use since July 1, 1946.

550,580. (Class 46. Foods and Ingredients of Foods.) R. Gerber and Company, doing business as R. Gerber & Co., Chicago, Ill. Original filed, act of 1946, Principal Register, July 8, 1947; amended to application, Supplemental Register, July 20, 1951, Serial No. 528,127.

GERBER'S

For Olive Oil.
Claims use since 1911.

550,581. (Class 46. Foods and Ingredients of Foods.) Neely Bros., Marshall, Tex. Original filed, act of 1946, Principal Register, Sept. 26, 1947; amended to application, Supplemental Register, Jan. 15, 1951, Serial No. 535,866.

Brown Pig

For Barbecue Sandwiches.
Claims use since June 5, 1937.

550,582. (Class 51. Cosmetics and Toilet Preparations.) Earl C. West, doing business under the name of Dr. West Company, Mora, Minn. Original filed, act of 1946, Principal Register, Dec. 31, 1947; amended to application, Supplemental Register, Mar. 26, 1951, Serial No. 545,922.

Dr. East's

For Cleaner for Dental Plates.
Claims use since Oct. 15, 1947.

550,583. (Class 6. Chemicals and Chemical Compositions.) E. F. Drew & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 31, 1948; amended to application, Supplemental Register, June 3, 1950, Serial No. 548,486.

POWER DREW CHEMICALS

The drawing is lined for red.
For Compositions Containing Organic and Inorganic Chemicals in Liquid, Powder, and Paste Form for Addition to Water for Prevention of Corrosion and Deposit Formation for Domestic and Industrial Applications Such as Boiler Water, Diesel Engine Water, Steam Line Condensates, Evaporator Water, and Brines, Said Chemicals Becoming Dissolved in the Aforesaid Waters.
Claims use since Dec. 1, 1947.

550,584. (Class 46. Foods and Ingredients of Foods.) David Burg, doing business as Motor City Packing Company, Detroit, Mich. Original filed, act of 1946, Principal Register, Sept. 24, 1948; amended to application, Supplemental Register, Feb. 18, 1950, Serial No. 565,749.

FLAV-O-RICH

For Frozen Hamburger, Frozen Steaks, Frozen Chops, and Frozen Roasts Made From Beef, Veal, Lamb, or Pork.
Claims use since Sept. 13, 1948.

550,585. (Class 46. Foods and Ingredients of Foods.) Marion Richardson, doing business as Richy Kreme Products, Maryville, Tenn. Original filed, act of 1946, Principal Register, May 31, 1949; amended to application, Supplemental Register, Aug. 25, 1950, Serial No. 579,759.

Richy Kreme

For Doughnuts, Pies, and Ice Cream.
Claims use since Feb. 27, 1948.

550,586. (Class 46. Foods and Ingredients of Foods.) Beatrice Y. Michaelis and Aaron Lasser, executors of the estate of Curt Michaelis, Union City, N. J., assignors to Basic Foods, Inc., a corporation of New York. Original filed, act of 1946, Principal Register, June 29, 1949; amended to application, Supplemental Register, July 6, 1950, Serial No. 581,241.

DRYSET

For Icing for Cakes and Cookies.
Claims use since June 17, 1949.

550,587. (Class 40. Fancy Goods, Furnishings, and Notions.) Newman Bernard Sheppard, Newark, N. J. Original filed, act of 1946, Principal Register, Sept. 22, 1949; amended to application, Supplemental Register, Aug. 11, 1950, Serial No. 585,193.

KLEEN-HAIR

For Absorbent and Disposable Fabric Comb Accessory Which Fits Over the Teeth of a Comb, To Absorb Dirt, Dust, Soot, Excess Oil and Loose Particles in the Hair.
Claims use since July 29, 1949.

550,588. (Class 46. Foods and Ingredients of Foods.) R. O. Rutledge, doing business as Veri-Krisp Potato Chip Co., Fort Worth, Tex. Original filed, act of 1946, Principal Register, Oct. 7, 1949; amended to application, Supplemental Register, Jan. 15, 1951, Serial No. 585,952.



The drawing is lined to indicate green and red. The words "Potato Chips" are disclaimed.
For Potato Chips.
Claims use since July 25, 1949.

550,589. (Class 6. Chemicals and Chemical Compositions.) Prairie States Oil & Grease Company, a corporation, Danville, Ill., assignee of Prairie States Oil & Grease Company, a firm. Original filed, act of 1946, Principal Register, Oct. 28, 1949; amended to application, Supplemental Register, Oct. 4, 1950, Serial No. 586,988.

BRAXE

For Hydraulic Brake Fluids.
Claims use since Sept. 2, 1949.

550,590. (Class 16. Paints and Painters' Materials.) Wilton E. Van Sickle, doing business under the name Van Sickle, Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, Nov. 8, 1949; amended to application, Supplemental Register, Dec. 19, 1950, Serial No. 587,513.

FISH ALLURE
GLOW

The words "The Fluorescent Glow Finish" are disclaimed.
For Lacquer.
Claims use since Oct. 10, 1949.

550,591. (Class 16. Paints and Painters' Materials.) Sheffield Bronze Paint Corporation, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Nov. 22, 1949; amended to application, Supplemental Register, Jan. 26, 1951, Serial No. 588,187.



Applicant claims ownership of Registrations Nos. 289,135 and 262,301.
For Oil Paints and Enamels.
Claims use since Oct. 15, 1949.

550,592. (Class 12. Construction Materials.) Plibrico Jointless Firebrick Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 14, 1949; amended to application, Supplemental Register, Dec. 18, 1950, Serial No. 589,333.



For Castable Refractory Material.
Claims use since Nov. 25, 1949.

550,593. (Class 16. Paints and Painters' Materials.) Seymour of Sycamore, Inc., Sycamore, Ill. Original filed, act of 1946, Principal Register, Feb. 15, 1950; amended to application, Supplemental Register, Feb. 17, 1951, Serial No. 592,522.

THE LINE THAT SHINES

For Liquid Paints Including Enamels.
Claims use since June 1949.

550,594. (Class 6. Chemicals and Chemical Compositions.) The Protane Corporation, Erie, Pa. Original filed, act of 1946, Principal Register, Apr. 22, 1950; amended to application, Supplemental Register, Sept. 17, 1951, Serial No. 596,192.

PROTANE GAS SERVICE
FOR HOMES BEYOND THE GAS MAINS

Applicant claims ownership of Registration No. 195,392.
For Liquefied Petroleum Gas.
Claims use since Aug. 1, 1938.

550,595. (Class 44. Dental, Medical, and Surgical Appliances.) Cure's Bindless Straps, Inc., Coxsackie, N. Y. Original filed, act of 1946, Principal Register, June 8, 1950; amended to application, Supplemental Register, May 14, 1951, Serial No. 598,786.

Cure's

For Bindless Straps for Double Chins and Wrinkles.
Claims use since May 5, 1950.

550,596. (Class 27. Horological Instruments.) Kalex Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 8, 1950, amended to application, Supplemental Register, Aug. 17, 1951, Serial No. 603,298.

World-Time

For Clocks.
Claims use since July 12, 1950.

550,597. (Class 6. Chemicals and Chemical Compositions.) Undertakers Supply Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 11, 1950; amended to application, Supplemental Register, Aug. 25, 1951, Serial No. 604,754.



For Liquid Which Converts Into a Cohesive, Firm Plastic Mass Upon Contact With Tissue Fluids for Use in Embalming.
Claims use since May 9, 1950.

550,598. (Class 51. Cosmetics and Toilet Preparations.) David L. Stockbridge and Elizabeth M. Stockbridge, doing business as Susan Alameda, Melrose, Mass. Filed Oct. 25, 1950, Serial No. 605,391.

Take
a
Bath
in
Roses

For Bath Oil.
Claims use since June 5, 1947.

550,599. (Class 35. Belting, Hose, Machinery Packing, and Nonmetallic Tires.) The Goodyear Tire & Rubber Company, Akron, Ohio. Original filed, act of 1946, Principal Register, Nov. 21, 1950; amended to application, Supplemental Register, Aug. 10, 1951, Serial No. 606,705.

GRIPTRED

For Camelback.
Claims use since Aug. 9, 1950.

Service Marks

550,600. (Class 100. Miscellaneous.) John M. Weis, Atlanta, Ga. Original filed, act of 1946, Principal Register, Sept. 15, 1947; amended to application, Supplemental Register, Apr. 5, 1950, Serial No. 534,577.

SAY IT with a "Dinner Party" WITH A
BY REMOTE CONTROL

For Making Arrangements for Parties as Gifts From Purchasers of the Service to Recipients in the Celebration of Anniversaries, Birthdays, Etc.—Namely, the Arrangement of All Details of Entertainment, Menus, Transportation, Delivery of Gifts, Flowers, Etc., at Hotels, Clubs, or Other Places of Entertainment at Any Point in the United States.
Claims use since Aug. 15, 1947.

550,601. (Class 100. Miscellaneous.) John M. Weis, Atlanta, Ga. Original filed, act of 1946, Principal Register, Oct. 14, 1947; amended to application, Supplemental Register, Apr. 5, 1950, Serial No. 537,854.

Supper Party by Proxy

For Making Arrangements for Parties as Gifts From Purchasers of the Service to Recipients in the Celebration of Anniversaries, Birthdays, Etc.—Namely, the Arrangement of All Details of Entertainment, Menus, Transportation, Delivery of Gifts, Flowers, Etc., at Hotels, Clubs, or Other Places of Entertainment at Any Point in the United States.
Claims use since Oct. 1, 1947.

TRADE-MARK REGISTRATIONS RENEWED

83,200. ACME. Registered Aug. 29, 1911. Acme Brewing Co. Re-renewed Aug. 29, 1951, to Acme Breweries, San Francisco, Calif., a corporation of California. Beer. Class 48.

83,267. "CHERUB" AND DRAWING. Registered Aug. 29, 1911. Marshall Field & Company, Chicago, Ill. Re-renewed Aug. 29, 1951, to Arthur Foister & Sons Limited, Leicester, England, a corporation organized under the laws of Great Britain. Hosiery. Class 39.

84,183. REPRESENTATION OF TWO WOMEN DRINKING BEER. Registered Nov. 14, 1911. The Krantz Brewing Co. Re-renewed Nov. 14, 1951, to Krantz Brewing Corporation, Findlay, Ohio, a corporation of Ohio. Beer. Class 48.

84,187. RED MILL. Registered Nov. 14, 1911. Norwine Coffee Company. Re-renewed Nov. 14, 1951, to Dining Car Coffee Company, St. Louis, Mo., a corporation of Missouri. Coffee. Class 46.

84,417. NABOB. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,418. PINNACLE. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,419. LEADER. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,421. VANGUARD. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,425. HONOR. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,427. VALOR. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,428. PELICAN. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,430. TEXWAX. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,431. ALCAID. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,432. CRATER. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,433. DOLPHIN. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,437. THUBAN. Registered Dec. 12, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Dec. 12, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,602. OTTER. Registered Dec. 26, 1911. Crown-Columbia Pulp and Paper Company. Re-renewed Dec. 26, 1951, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada. Paper Bags. Class 2.

84,705. POLAR. Registered Dec. 26, 1911. Water Delivery Company. Re-renewed Dec. 26, 1951, to Polar Water Company, Pittsburgh, Pa., a corporation of Pennsylvania. Ginger-Ale, Sarsaparilla, Lemon-Soda, Plain Soda, Birch-Beer, Root-Beer, Etc. Class 45.

262,890. FROBANA. Registered Oct. 29, 1929. Frobana Aktiengesellschaft, Barmen, Germany. Renewed Oct. 29, 1949, to Frobana, Wuppertal-Barmen, Germany, a firm of Germany. Thread and Yarn. Class 43.

266,662. FROBANA. Registered Jan. 28, 1930. Frobana Aktiengesellschaft, Barmen, Germany. Renewed Jan. 28, 1950, to Frobana, Wuppertal-Barmen, Germany, a firm of Germany. Machines for Use in the Manufacture of Shoes and the Like, Etc. Class 23.

282,227. SARDEX. Registered Apr. 14, 1931. Wilbur-Ellis Company, San Francisco, Calif., a corporation of California. Renewed Apr. 14, 1951. Poultry and Stock Food. Class 46.

282,389. FREE-FLEX. Registered Apr. 21, 1931. Melville Shoe Corporation, New York, N. Y. Renewed Apr. 21, 1951, to Freeman Shoe Corporation, Beloit, Wis., a corporation of Wisconsin. Shoes of Leather, Rubber, or Fabric or of Combinations of Those Materials. Class 39.

282,509. "SHAKESPEARE MARHOFF" AND CIRCLE DESIGNS. Registered Apr. 21, 1931. Shakespeare Company, Kalamazoo, Mich., a corporation of Michigan. Renewed Apr. 21, 1951. Fishing Reels. Class 22.

282,948. "8 IN 1" AND DRAWING. Registered May 5, 1931. Harold Schliesser, doing business as 8 in 1 Pet Products. Renewed May 5, 1951, to Frances Levey, New York, N. Y. Health, Song, and Vigor Restorer for Birds (a Dry Product); Combined Tonic and Bitters for Birds (Liquid), and Antiseptic Bird Wash (Liquid). Class 18.

283,797. ARISTA. Registered June 9, 1931. Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York. Renewed June 9, 1951. Ophthalmic Mountings. Class 26.

284,631. TELETYPESETTER. Registered July 7, 1931. Teletype Corporation. Renewed July 7, 1951, to Teletypesetter Corporation, Chicago, Ill., a corporation of Delaware. Typesetting and Type-Casting Apparatus and Mechanical Control Units, Perforators, Reperforators, Parts and Tapes for the Operation Thereof. Class 23.

284,969. SPLICIT. Registered July 14, 1931. Burndy Engineering Company, Inc., New York, N. Y., a corporation of New York. Renewed July 14, 1951. Electrical Connectors for Wires, Cables, Tube, Rod, and the Like. Class 21.

285,075. FERROGRIT. Registered July 14, 1931. Wooster Products, Inc., Wooster, Ohio, a corporation of Ohio. Renewed July 14, 1951. Safety Stair Treads, Floor Plates, and Ramp Plates. Class 12.

285,443. CAPE ANN. Registered July 28, 1931. Cape Ann Isinglass Company, Marblehead, Mass., a corporation of Massachusetts. Renewed July 28, 1951. Clarifier for Beer Consisting of Fish Isinglass. Class 6.

285,472. PERMAFAST. Registered July 28, 1931. American Bleached Goods Company, Inc. Renewed July 28, 1951, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware. Cotton Piece Goods. Class 42.

285,557. "MERCEDES BENZ" AND DESIGN. Registered July 28, 1931. Daimler-Benz Aktiengesellschaft, Berlin, Germany. Renewed July 28, 1951, to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a corporation organized under the laws of Germany. Automotive Vehicles, as Follows: Passenger Cars and Freight Trucks; Etc. Class 19.

285,735. "NORFOLK" AND DRAWING. Registered Aug. 4, 1931. Norfolk Paint & Varnish Company, Quincy and Atlantic, Mass. Renewed Aug. 4, 1951, to Norfolk Paint & Varnish Company, Quincy, Mass., a corporation of Massachusetts. Dry Paste, Ready-Mixed and Enamel Paints. Class 16.

285,941. REPRESENTATION OF CIRCULAR CHAIN DESIGN. Registered Aug. 11, 1931. Bernard M. Douglas. Renewed Aug. 11, 1951, to Roquefort Association, Inc., New York, N. Y., a corporation of New York. Roquefort Cheese. Class 46.

286,179. VICTOR. Registered Aug. 18, 1931. The Carbon Products Company, Lancaster, Ohio. Renewed Aug. 18, 1951, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Dry Cells and Batteries. Class 21.

286,270. "LE BÉLIER" AND DRAWING. Registered Aug. 25, 1931. Bernard M. Douglas. Renewed Aug. 25, 1951, to Roquefort Association, Inc., New York, N. Y., a corporation of New York. Roquefort Cheese. Class 46.

286,518. DELCO. Registered Sept. 1, 1931. Delco Products Corporation, Dayton, Ohio. Renewed Sept. 1, 1951, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. Shock Absorbers for Automobiles and Other Self-Propelled Vehicles. Class 19.

286,555. "FLEXWOOD" AND DESIGN. Registered Sept. 1, 1931. The Flexwood Company. Renewed Sept. 1, 1951, to The Flexwood Company, Chicago, Ill., a corporation of Illinois. Fabric-Backed Wood Veneer. Class 12.

286,571. STAMINITE. Registered Sept. 1, 1931. Staminite Corporation, New Haven, Conn., a corporation of Connecticut. Renewed Sept. 1, 1951. Transparent Stainproof, Waterproof Coating Compound in the Nature of a Paint or Varnish for Surfacing Floors and the Like and Giving a Weatherproof Coating on Many Kinds of Material. Class 16.

286,601. NATRONOX. Registered Sept. 1, 1931. Pitman-Moore Company, Indianapolis, Ind. Renewed Sept. 1, 1951, to Allied Laboratories, Inc., also doing business as Pitman-Moore Company, Division of Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware. Medicine for Treating Necrotic Inflammation of the Gastro-Intestinal Tract in Swine. Class 18.

286,604. CREGUIATONE. Registered Sept. 1, 1931. Pitman-Moore Company, Indianapolis, Ind. Renewed Sept. 1, 1951, to Allied Laboratories, Inc., also doing business as Pitman-Moore Company, Division of Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware. Medicine for Treating Pulmonary Infections and Gastro-Intestinal Fermentation in Horses and Cattle. Class 18.

286,997. "ENCONA" WITHIN RECTANGLE DESIGN. Registered Sept. 8, 1931. Algemeene Kunstzijde Unie N. V. Renewed Sept. 8, 1951, to Algemeene Kunstzijde Unie N. V., Arnhem, Netherlands, a corporation organized under the laws of the Kingdom of the Netherlands. Artificial Yarns Made of Cellulose. Class 43.

287,139. ASCARIFUGE. Registered Sept. 15, 1931. Pitman-Moore Company, Indianapolis, Ind. Renewed Sept. 15, 1951, to Allied Laboratories, Inc., also doing business as Pitman-Moore Company, Division of Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware. Vermicide and Purgative for the Removal of Round Worms in Swine. Class 18.

287,155. WINNER. Registered Sept. 15, 1931. The Carbon Products Company, Lancaster, Ohio. Renewed Sept. 15, 1951, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Dry Cells and Dry Batteries Comprising Cells and Batteries for Flashlights, Dry "A," "B," "C" Batteries for Radio, Etc. Class 21.

287,253. "B & P" ETC AND DRAWING LINED FOR RED. Registered Sept. 15, 1931. The B & P Company, Cleveland, Ohio. Renewed Sept. 15, 1951, to Margaret A. Kroesen, Lakewood, Ohio. Adhesive Sheet or Wafer To Be Applied to the Wrinkled Portions of the Face. Class 44.

287,395. FEROLEUM. Registered Sept. 22, 1931. Feroleum Products, Inc., Irvington, N. J. Renewed Sept. 22, 1951, to Feroleum Products, Inc., Newark, N. J., a corporation of New Jersey. Liquid Coating Material To Be Used by Itself or as an Ingredient for Paints and the Like, Etc. Class 16.

287,468. ANNITE. Registered Sept. 29, 1931. Quigley Company, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 29, 1951. Improved Cleaning Compound in the Nature of Soap Powder for General Cleaning Purposes for Which Soap Powder Is Used. Class 52.

287,741. STANOCYL. Registered Oct. 6, 1931. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Oct. 6, 1951. Lubricating Oils and Greases. Class 15.

288,026. ENGRAV-O-TINTS. Registered Oct. 20, 1931. Consolidated Automatic Merchandising Corporation, New York, N. Y. Renewed Oct. 20, 1951, to Peerless Weighing and Vending Machine Corporation, Long Island City, N. Y., a corporation of Delaware. Scale Tickets. Class 38.

288,418. "CHEVROLET" AND DESIGN. Registered Oct. 27, 1931. Chevrolet Motor Company. Renewed Oct. 27, 1951, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. Combined Automobile Body Polish and Cleaner in Liquid Form. Class 4.

288,796. FREEZUR. Registered Nov. 3, 1931. Lawrence Paper Manufacturing Company. Renewed Nov. 3, 1951, to The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas. Paper for Lining Packing Cases and Paper Board. Class 37.

288,958. SWIFT'S. Registered Nov. 10, 1931. Swift and Company. Renewed Nov. 10, 1951, to Swift & Company, Chicago, Ill., a corporation of Illinois. Soap. Class 52.

289,251. "AQUATONE" AND DESIGN. Registered Nov. 24, 1931. Newark Paraffine & Parchment Paper Co., Newark, N. J., a corporation of New Jersey. Renewed Nov. 24, 1951. Paper Bags and Cartons. Class 2.

289,297. "WINTHROP" AND ARROW DESIGN. Registered Nov. 24, 1931. Friedman Silver Co., Inc., Brooklyn, N. Y., a corporation of New York. Renewed Nov. 24, 1951. Table Hollow Ware of Base Metal—Namely, Pewter Hollowware Unplated With Precious Metal. Class 13.

289,312. CHAROLAK. Registered Nov. 24, 1931. Gonzalo Boza & Co. Inc. Renewed Nov. 24, 1951, to Gonzalo Boza F., New York, N. Y. Tanned Leather. Class 1.

289,347. FOREX. Registered Nov. 24, 1931. The Union Products Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 24, 1951. Asphalt Compounds for Use as a Floor Covering, Roofing, Wall Protection, Etc. Class 12.

289,350. PECHGLO. Registered Nov. 24, 1931. Vanity Fair Silk Mills. Renewed Nov. 24, 1951, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania. Knitted and Textile Underwear, Etc. Class 39.

289,568. MUTOSCOPE. Registered Dec. 1, 1931. International Mutoscope Reel Co. Inc., New York, N. Y. Renewed Dec. 1, 1951, to International Mutoscope Corporation, Long Island City, N. Y., a corporation of New York. Coin Operated Vending and Amusement Machines—i. e. Fortune-Telling Card Vending Machines, Etc. Class 23.

289,676. BIOTOL. Registered Dec. 1, 1931. California Packing Corporation, San Francisco, Calif., a corporation of New York. Renewed Dec. 1, 1951. Edible Fish Oil. Class 46.

289,799. "WINTHROP" AND ARROW DESIGN. Registered Dec. 8, 1931. Friedman Silver Co., Inc., Brooklyn, N. Y., a corporation of New York. Renewed Dec. 8, 1951. Table Hollow Ware Plated With Precious Metal. Class 28.

289,997. CALIFORNIA PADRES. Registered Dec. 22, 1931. California Medicinal Wine Co. Renewed Dec. 22, 1951, to Padre Vineyard Company, Los Angeles, Calif., a corporation of California. Medicinal and Pharmaceutical Preparations—Namely, Wine Elixir or a Medicinal Wine for Use as a General Tonic, Magnesia Magma, Extract of Witch Hazel. Class 18.

290,037. PROGESTONE. Registered Dec. 22, 1931. G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey. Renewed Dec. 22, 1951. Active Estrus Inducing Principles Derived From Various Animal Glands and Tissues, Used To Initiate and Control the Menstrual Process in Women and Such Conditions as Amenorrhea and Dysmenorrhea. Class 18.

290,070. "LUCKY STRIKE GASOLINE" AND DESIGN. Registered Dec. 22, 1931. Wilshire Oil Company, Inc., Vernon, Calif. Renewed Dec. 22, 1951, to Wilshire Oil Company, Inc., Los Angeles, Calif., a corporation of California. Gasoline, Kerosene, Distillate, Fuel Oil, Both the Distillate and the Fuel Oil Being Intended for Use as Motor Fuel and Furnace Fuel, and Lubricating Oils and Greases. Class 15.

290,166. GLORANESE. Registered Dec. 22, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 22, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

290,192. SCANDAL. Registered Dec. 22, 1931. Lanvin Parfums, Inc., Wilmington, Del., and New York, N. Y. Renewed Dec. 22, 1951, to Lanvin Parfums, Inc., New York, N. Y., a corporation of Delaware. Perfume Extract. Class 51.

290,268. CELANGESE. Registered Dec. 29, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 29, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

290,272. PATEX. Registered Dec. 29, 1931. Patex Fibre Corporation, Montville, N. J. Renewed Dec. 29, 1951, to Granite Textile Mills Inc., Midland Park, N. J., a corporation of New Jersey. Towels and Toweling of Textile Material. Class 42.

290,353. "FOOT SPRITE" AND DESIGN. Registered Jan. 5, 1932. Holmes-Terhune Company. Renewed Jan. 5, 1952, to Crest Shoe Company, Lewiston, Maine, a corporation of Maine. Boots and Shoes of Leather, Fabric, or Combinations Thereof. Class 39.

290,578. GLOVECEL. Registered Jan. 12, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Jan. 12, 1952. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

290,673. ETTANESE. Registered Jan. 12, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Jan. 12, 1952. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

290,674. FAYNESE. Registered Jan. 12, 1932. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Jan. 12, 1952. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

546,401. N-SOL. Registered Aug. 7, 1951. Philadelphia Quartz Company, Philadelphia, Pa. Consultation Services—Namely, the Furnishing of Technical Advice and Assistance in the Selection and Operation of Water Purification Processes Using Colloidal Silica. Class 100. Corrected as follows: In the statement, second column, line 3, for "of" read *with*.

546,481. CADUCEUS DESIGN. Registered Aug. 14, 1951. A. S. Aloe Company, St. Louis, Mo. Dental, Medical, and Surgical Appliances and Equipment—Namely, Metabolism Measuring Instruments, Etc. Class 44. Corrected as follows: In the statement, first column, line 10, description of merchandize, for "METABOLORS" read *METABOLISM MEASURING INSTRUMENTS*.

546,482. ALOE. Registered Aug. 14, 1951. A. S. Aloe Company, St. Louis, Mo. Dental, Medical, and Surgical Appliances and Equipment—Namely, Metabolism Measuring Instruments, Etc. Class 44. Corrected as follows: In the statement, first column, line 10, description of merchandize, for "METABOLORS" read *METABOLISM MEASURING INSTRUMENTS*.

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 275,460, appearing in the OFFICIAL GAZETTE of November 7, 1950, pages 67, 70, and 77, was inadvertent and is vacated.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

51,080. OLD DOMINION. Registered Apr. 3, 1906. Renewed Apr. 3, 1926. Re-renewed Apr. 3, 1946. John Edward Kriete. Canned Fruits and Vegetables. Class 46. New certificate under section 7(c) issued Nov. 6, 1951, to Huff Canneries, Incorporated, Roanoke, Va., a corporation of Virginia.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 188,456. Registered Aug. 26, 1924. (Classified in Class 51.) Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

FRITZSCHE BROTHERS

For Essential Oils and Aromatic Chemical Preparations Used in the Manufacture of Perfumes and Flavorings.
Claims use since the year 1871.

Reg. No. 197,837. Registered Apr. 28, 1925. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SARTORIUS NO. 1.

For Oil of Ylang-Ylang.
Claims use since 1876.

Reg. No. 198,126. Registered May 5, 1925. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

CORONA

For Oil of Ylang-Ylang.
Claims use since May 1916.

Reg. No. 201,271. Registered July 21, 1925. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

PELARGOL

For Essential Oils Suitable for Use in the Production of Soaps, Perfumes, and Toilet Preparations.
Claims use since April 1910.

Reg. No. 302,931. Registered May 2, 1933. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

JAVOLLAL

For Combination of Natural and Synthetic Aromatic Substances Which Develops the General Aroma of Citronella Oil and Which May Be Used To Replace This Oil and Similar Oils in Their Various Applications.
Claims use since Nov. 16, 1932.

Reg. No. 320,087. Registered Dec. 18, 1934. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

DUROFIX

For Products of a Resinous Nature and Intended for Addition to Mixtures of Essential Oils and Aromatic Chemicals for the Purpose of Odor Retention.
Claims use since Nov. 16, 1932.

Reg. No. 330,503. Registered Dec. 3, 1935. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SAFRELLA

For Natural and Synthetic Essential Oils Suitable for Perfuming Purposes.
Claims use since May 24, 1935.

Reg. No. 339,653. Registered Oct. 13, 1936. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

ZEPHFLEUR

For Natural and Synthetic Essential Oils Suitable for Perfuming Purposes.
Claims use since May 7, 1936.

Reg. No. 341,144. Registered Dec. 1, 1936. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

AVRYLLIS

For Natural and Synthetic Essential Oils Suitable for Perfuming Purposes.
Claims use since Mar. 6, 1936.

Reg. No. 348,672. Registered Aug. 3, 1937. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

OXIDEX

For Preservatives (Not Antiseptics) and Anti-Oxidants for Vegetable and Animal Fats and Oils, Such as Olive, Cotton Seed, Coconut, Linseed, Almond, Turtle, Lanoline, Lard and Similar Oils.
Claims use since Mar. 15, 1937.

Reg. No. 367,563. Registered May 23, 1939. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Reg. U. S. Pat. Off." are disclaimed apart from the mark as shown.
For Oil of Peppermint.
Claims use since May 1, 1919.

Reg. No. 414,771. Registered June 26, 1945. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

ROSANLIK

For Essential Oils.
Claims use since Dec. 4, 1944.

Reg. No. 417,546. Registered Oct. 30, 1945. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

NEUTROSCENT

For Concentrated Odor Neutralizing and Perfuming Compounds, Water Soluble Odor Neutralizing and Perfuming Compounds, and Solubilized Odor Neutralizing and Perfuming Compounds.
Claims use since Apr. 27, 1945.

Reg. No. 421,974. Registered June 25, 1946. (Classified in Class 51.) Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SAVONAFIX

For Fixative for Compounded Oils Used in All Types of Soaps and Cosmetic Powders; Also in Perfume Compounds Requiring High Fixation, Such as Technical Perfumes and Perfumes for Waxes, and Paradichlorbenzene.
Claims use since July 31, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 252,109. Registered Jan. 22, 1929. Goheen Corporation of New Jersey, Newark, N. J. Republished by Vita-Var Corporation, Newark, N. J., a corporation of New Jersey.

ALUMIKOTE

For Ready Mixed Paint, Specifically an Aluminum Paint.
Claims use since November 1926.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 434,676. Registered Dec. 2, 1947. (Classified in Class 51.) Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SASSAFROL

For Synthetic Chemical Compound Adapted for Flavoring Oral and Dental Preparations, Toilet Preparations, and Medicinal Products.
Claims use since July 1, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 441,227. Registered Nov. 2, 1948. Arnolt Corporation, Warsaw, Ind., a corporation of Indiana. Republished by registrant.

SEA-MITE

For Marine Engines of the Internal Combustion Engine Type.
Claims use since Mar. 1, 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 435,545. Registered Dec. 30, 1947. Leedal Stainless Steel Products, Inc., Chicago, Ill., a corporation of Illinois. Republished by registrant.

LEEDAL

For Photographic Equipment Comprising Tanks, Trays, and Sinks for Photographic and X-Ray Developing.
Claims use since May 1946.

CLASS 39

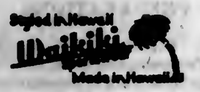
CLOTHING

Reg. No. 327,690. Registered Sept. 3, 1935. Anthony P. Hayes, Inglewood, Calif. Republished by registrant.

Toni

For Hats Intended for the Use of Women.
Claims use since Jan. 13, 1932.

Reg. No. 344,540. Registered Mar. 30, 1937. Ellery Joe Chun, Honolulu, Territory of Hawaii. Republished by registrant.



All wording is disclaimed apart from the mark as shown.

For Sportswear for Women and Children—Namely, Beach Pajamas and Culottes.

Claims use since Feb. 7, 1936.

Reg. No. 357,771. Registered June 14, 1938. Shu-Stiles, Incorporated, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Pet O' Paris

The word "Paris" is disclaimed apart from the mark as shown.

For Women's Shoes of Leather, Fabric, and/or Combinations of the Same.

Claims use since Oct. 14, 1937.

Reg. No. 360,241. Registered Sept. 13, 1938. Shu-Stiles, Incorporated, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Artistyle

For Women's Shoes of Leather, Fabric, and/or Combinations of the Same.

Claims use since Oct. 14, 1937.

Reg. No. 363,994. Registered Jan. 17, 1939. Shu-Stiles, Incorporated, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Wedgies

For Women's Shoes of Leather, Fabric, and/or Combinations of the Same, Not Specifically for Corrective Purposes.

Claims use since Feb. 1, 1938.

Reg. No. 390,960. Registered Oct. 14, 1941. Botany Worsted Mills, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.



The word "Sportswear" is disclaimed. The drawing is lined for tan and yellow, the color tan being indicated by small circles.

For Men's Sport Coats, Jackets, Jerkins, Vests, Slacks, and Sport Shirts.

Claims use since Mar. 14, 1938.

Reg. No. 435,314. Registered Dec. 16, 1947. Shu-Stiles, Incorporated, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Travalong

For Women's Shoes Formed of Leather, Rubber, Fabric, Plastics, or Combinations Thereof.

Claims use since Jan. 15, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 168,713. Registered May 29, 1923. Premier Cutlery, Inc., New York, N. Y. Republished by Millers Forge Mfg. Corp., New York, N. Y., a corporation of New York.

Premier

For Nail Files, Tweezers, Nail Clips, Nail Nippers, Cuticle Nippers, Cuticle Knives, Cuticle Pushers, Nail Cleaners, Manicure Blades, Corn Razors, and Rasps.

Claims use since Apr. 5, 1921.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 188,342. Registered Aug. 26, 1924. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

FRITZBRO

For Maltless Flavoring Compounds for Beverages.

Claims use since June 1913.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 183,798. Registered May 6, 1924. La Sierra Heights Canning Co., Inc., Arlington Station, Calif., a corporation of California. Republished by registration, present address Buena Park, Calif.

MOUNTAIN BEAUTY

For Canned Vegetables and Canned Fruits.

Claims use since Aug. 11, 1922.

Reg. No. 188,327. Registered Aug. 26, 1924. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

FRITZBRO

For Flavoring Compounds for Foods.

Claims use since June 1913.

Reg. No. 189,984. Registered Sept. 30, 1924. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Eff = Bee

For Flavoring Extracts for Foods.

Claims use since May 6, 1924.

Reg. No. 199,311. Registered June 9, 1925. Pabst Corporation, Milwaukee, Wis. Republished by Kraft Foods Company, Chicago, Ill., a corporation of Delaware.

WONDER

For Cheese.

Claims use since Oct. 2, 1924.

Reg. No. 233,904. Registered Oct. 11, 1927. Sears & Hinchliffe, Old Orchard, Maine. Republished by Isabel Hinchliffe, doing business as Sears and Hinchliffe, Old Orchard, Maine.



For Candy.

Claims use since Dec. 1, 1896.

Reg. No. 340,149. Registered Nov. 3, 1936. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

EKOMO

For Natural and Imitation Food Flavors.

Claims use since July 21, 1933.

Reg. No. 425,502. Registered Nov. 26, 1946. Nutritional Metals Corp., Hasbrouck Heights, N. J. Republished by Oliver W. Nelson, doing business as Nelson Laboratories, Sioux Falls, S. Dak.

TOTAMIN

For Bone Flour Compressed or in Granular Form for Use as a Dietary Supplement for Domestic Animals.

Claims use since Jan. 19, 1945.

CLASS 47

WINES

Reg. No. 352,019. Registered Nov. 16, 1937. Austin, Nichols & Co. Incorporated, Brooklyn, N. Y., a corporation of Virginia. Republished by registrant.

El Grandee

For Wines.

Claims use since Apr. 15, 1937.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 48,677. Registered Jan. 9, 1906. Belmont Distillery Co., Louisville, Ky. Republished by Schenley Industries, Inc., New York, N. Y., a corporation of Delaware.



For Whiskey.

Claims use since about November 1880.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 188,456. Registered Aug. 26, 1924. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

FRITZSCHE BROTHERS

For Essential Oils and Aromatic Chemical Preparations Used in the Manufacture of Perfumes and Flavorings.

Claims use since the year 1871.

Reg. No. 421,974. Registered June 25, 1946. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SAVONAFIX

For Fixative for Compounded Oils Used in All Types of Soaps and Cosmetic Powders; Also in Perfume Compounds Requiring High Fixation, Such as Technical Perfumes and Perfumes for Waxes, and Paradichlorbenzene.

Claims use since July 31, 1945.

Reg. No. 422,031. Registered June 25, 1946. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

AMPLITONE

For Fixatives and Fortifiers for Perfumes.

Claims use since Oct. 26, 1945.

Reg. No. 434,334. Registered Nov. 18, 1947. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

BASICOL

For Substitutes for Essential Oils for Use in the Production of Perfumes.

Claims use since July 26, 1946.

Reg. No. 434,676. Registered Dec. 2, 1947. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SASSAFROL

For Synthetic Chemical Compound Adapted for Flavoring Oral and Dental Preparations, Toilet Preparations, and Medicinal Products.

Claims use since July 1, 1946.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 421,974. Registered June 25, 1946. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SAVONAFIX

For Fixative for Compounded Oils Used in All Types of Soaps and Cosmetic Powders; Also in Perfume Compounds Requiring High Fixation, Such as Technical Perfumes and Perfumes for Waxes, and Paradichlorbenzene.

Claims use since July 31, 1945.

REISSUES

NOVEMBER 6, 1951

23,428

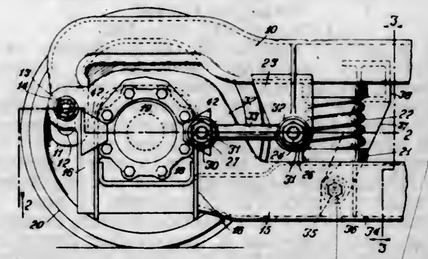
RAILROAD CAR TRUCK

Karl F. Nystrom, Nashotah, and Vernon L. Green, Milwaukee, Wis.

Original No. 2,350,567, dated June 6, 1944, Serial No. 410,354, September 11, 1941. Application for reissue May 18, 1949, Serial No. 94,021

2 Claims. (Cl. 105—194)

1. In a railroad car truck, the combination of a pedestalless truck frame with longitudinally disposed side members provided with depending brackets; equalizer beams arranged at the truck sides beneath the frame with upstanding journal bearing receiving yokes at their ends provided on their outer sides with bearing housing stop members, a longitudinally extending pull link pivotally connected with one of said yokes of each equalizer beam and said depending bracket, the ends of the link having enlarged conical openings therethrough; outwardly disposed pins secured, respectively, to the yoke and to the depending bracket and disposed through the openings in the ends of the link; resilient bushings arranged in the link-openings and disposed about



the pins; and means at the opposite ends of the pins whereby the bushings are placed under compression.

PATENTS

GRANTED NOVEMBER 6, 1951

2,573,674

SULFONYL HALIDE MANUFACTURE

Chester E. Adams, Highland, Ind., and Wayne A. Proell, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application July 26, 1950, Serial No. 176,062

11 Claims. (Cl. 260—543)

7. A unitary process for the production of a non-tertiary saturated hydrocarbon sulfonyl chloride, which process comprises contacting a non-tertiary saturated hydrocarbon disulfide with chlorine at a chlorinolysis reaction temperature between about −40° C. and about 20° C., employing sufficient chlorine to effect substantial chlorinolysis of said disulfide but insufficient to effect quantitative chlorinolysis in order to produce a chlorinolysis reaction mixture containing at least 5 percent of unconverted hydrocarbon disulfide, initiating oxidation by subjecting the resultant crude chlorinolysis reaction mixture without purification to contact in an oxidation reaction zone with an oxidant gas containing free oxygen and also nitrogen dioxide in an amount between about 0.5 and about 5 parts by weight per part by weight of the oxygen present in said oxygen-containing gas at a temperature between about −20° C. and about 30° C. while substantially excluding water from said oxidation reaction zone and, after the onset of substantial oxidation, reducing the proportion of NO_2 to a value between about 0.05 and about 0.5 part by weight per part by weight of oxygen in said oxidant gas and continuing the oxidation.

2,573,675

PROCESS FOR THE SULFONATION OF ALKYL AROMATIC HYDROCARBONS

Herman S. Bloch, Chicago, and Howard E. Mammen, La Grange, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 28, 1948, Serial No. 12,134

13 Claims. (Cl. 260—505)

1. A process for sulfonating an alkyl aromatic hydrocarbon which comprises reacting said alkyl aromatic hydrocarbon with oleum containing from at least 30 to about 65% by weight of free sulfur trioxide in the presence of a substantially inert diluent consisting essentially of at least one saturated hydrocarbon containing from 3 to 8 carbon atoms per molecule maintained at least in part in the liquid phase for a time sufficient to sulfonate at least 95% by weight of said alkyl aromatic hydrocarbon, adding to the resultant sulfonation mixture only such an amount of water as to convert the unused sulfur trioxide and sulfuric acid into a lower layer comprising essentially sulfuric acid monohydrate, separating said lower layer from an upper layer comprising essentially alkyl aryl sulfonic acids and inert diluent, separating said diluent from said alkyl aryl sulfonic acids and recovering said alkyl aryl sulfonic acids.

2,573,676

PROCESS FOR SEPARATING THE ISOMERS OF HEXACHLOROCYCLOHEXANE

Ramsey G. Campbell, Richmond, Calif., assignor to Stauffer Chemical Company, a corporation of California

No Drawing. Application September 7, 1948, Serial No. 48,153

2 Claims. (Cl. 260—648)

1. A process for treating crude hexachlorocyclohexane which is substantially free of the delta isomer to obtain a fraction containing an enhanced proportion of the gamma isomer comprising dissolving the gamma isomer in the hexachlorocyclohexane with chloroform, heating the chloroform solution to evaporate chloroform and increase the concentration of the gamma isomer, cooling the resulting solution under quiescent conditions to precipitate simultaneously relatively fine small crystals of the alpha isomer and relatively large massive crystals of the gamma isomer, and screening the crystals to separate the crystals of one isomer from the crystals of the other isomer.

2,573,677

PROCESS FOR THE PRODUCTION OF A PIGMENT COMPLEX, INCLUDING A REACTED STARCH

William L. Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 10, 1949, Serial No. 132,489

5 Claims. (Cl. 106—306)

1. A method for the preparation of a pigment which comprises reacting calcium chloride and starch in an aqueous mixture maintained at a temperature of from about 20 to 25° C. to form the calcium chloride-starch complex, said mixture containing at least about 25 per cent by weight of the calcium chloride, based upon the weight of the water and calcium chloride, and said mixture containing from about 1.58 to about 15.8 per cent by weight of starch, based upon the weight of the calcium chloride, diluting the mixture with water until it contains not more than 7.2 per cent by weight of combined calcium, based upon the weight of the calcium chloride and water used, and reacting the diluted mixture with an aqueous solution of sodium silicate containing not more than 30 per cent by weight of combined sodium oxide and silicon dioxide in proportion such that the reacting mixtures contain substantially 1 gram atomic weight of combined calcium per 3 gram molecular weights of combined silicon dioxide to form a precipitate.

2,573,678

PREPARATION AND PYROLYSIS OF SATURATED ACETALS OF CROTONALDEHYDE

Robert H. Saunders, Oxford, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1947, Serial No. 791,666

7 Claims. (Cl. 260—614)

1. In the process of producing a 1-alkoxybutadiene from crotonaldehyde by condensing crotonaldehyde with a saturated aliphatic monohydric alcohol and pyrolyzing the crotonaldehyde acetal so formed, the step of preparing the crotonaldehyde acetal by heating crotonaldehyde with a saturated aliphatic monohydric alcohol at a temperature within the range of about 80° C. and about 200° C., in the absence of a catalyst, while progressively distilling off the water evolved.

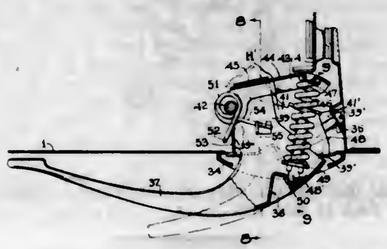
2,573,679

CONTROL MECHANISM FOR DOOR LATCHES

Edwin L. Allen, Cleveland Heights, Ohio, assignor, by mesne assignments, to Rudolph I. Schonitzer, Cleveland, Ohio

Application February 16, 1948, Serial No. 8,565

3 Claims. (Cl. 292—226)



1. Control mechanism for door latches including a supporting frame structure, a manually operable handle pivotally supported on said frame structure for movement between a neutral or non-operating position and an operating or latch releasing position and having an inner end bracket portion, a lever pivotally mounted at one end on said supporting frame for movement about the same axis as said handle and end bracket, said lever extending from said axis in the opposite direction from said handle and having its other end disposed outside of said handle and end bracket portion thereof, stop means on said end bracket portion disposed to engage said lever between its said ends and adapted to limit movement of said lever about its pivotal support in one direction relative to said end bracket portion, a guide pin having one end pivotally engaging said end bracket portion, an abutment flange on said guide pin, a coil spring surrounding said guide pin and extending between said abutment flange and said other end of said lever member, said coil spring being under compression and tending to maintain said guide pin in engagement with said end bracket portion and said lever in engagement with said stop means, and independent return spring means for urging said handle and end bracket portion thereof toward neutral or non-operating position.

2,573,680

SLEEVE TYPE RELIEF VALVE

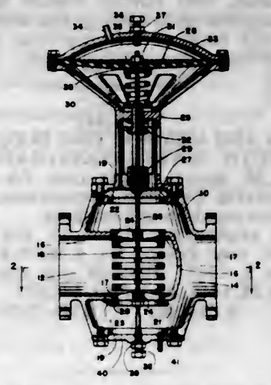
Arthur F. Arnold, United States Coast Guard

Application December 13, 1945, Serial No. 634,872

2 Claims. (Cl. 137—53)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A back pressure diaphragm operated valve for instantly equating the steam from the exhaust line to the pressure on the outlet side and provided with a diaphragm and a body having inlet and outlet ports, said body including an internal cup-like wall providing a chamber therein, said chamber having aligned openings, a first open-ended sleeve passing through said chamber, means fixing said first sleeve to said chamber, a second open-ended sleeve inside and slidably contacting said first sleeve, each of said sleeves comprising a cylindrical member having a plurality of axially displaced zones, each zone comprising a plurality of wall partitions dividing said zone into a plurality of circumferentially displaced



slots, said second sleeve comprising a spider at each end, and a rod attached to one of said spiders and extending to the diaphragm, said rod supporting said second sleeve movable with respect to said first sleeve, the second sleeve adapted to move with respect to said first sleeve in response to pressure on the diaphragm independently of fluctuation in pressure on the outlet side of the valve.

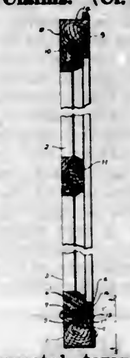
2,573,681

STORM WINDOW

Le Roy B. Bachelder, Dayton, Ohio

Application November 26, 1945, Serial No. 630,796

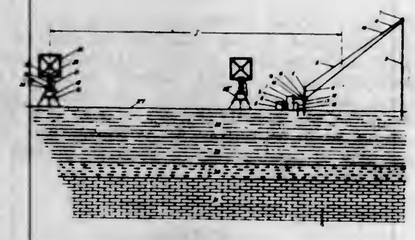
2 Claims. (Cl. 20—55)



1. A supplemental temporary "storm" window, wherein a master frame is permanently secured in a window opening in parallel spaced relation with the normal window sash thereof, with which upper and lower sash sections are detachably engageable, characterized by horizontal tongue and groove joints between the detachable upper and lower sash sections, and between the upper sash section and the top rail of the master frame, double beveled joints between the vertical side margins and bottom margin of the lowermost of the detachable sashes and the interior vertical side and bottom margins of the permanently mounted master sash, comprising

parallel laterally offset beveled contact faces on the respective sashes and frame and flat parallel faces intermediate the beveled contact faces of the frame and respective sashes in parallel relatively spaced relation with each other, affording intermediate clearance for wedging adjustment of the opposed beveled contact faces, machine screws for attaching the detachable sashes to the master sash, and anchor inserts having screw threaded bores embedded in the master sash receiving the ends of the machine screws when thrust through the removable sash.

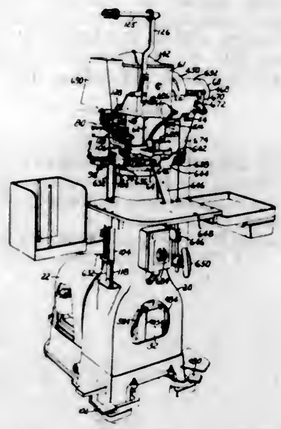
2,573,682
MEANS AND METHOD FOR ELECTROMAGNETIC-WAVE INVESTIGATIONS
William M. Barret, Shreveport, La., assignor to Engineering Research Corporation, Shreveport, La., a corporation of Louisiana
Original application March 17, 1941, Serial No. 383,770, now Patent No. 2,426,918, dated September 2, 1947. Divided and this application March 24, 1945, Serial No. 584,675
4 Claims. (Cl. 175—182)



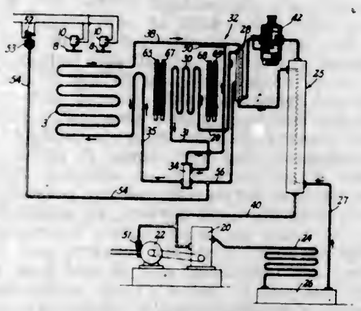
1. In a method of conducting electromagnetic-wave investigations, the steps of: generating electromagnetic waves with a wave-generating means, propagating said waves with a radiator positioned above and adjacent to the earth's surface and electrically coupled to said wave-generating means, receiving said waves with a receiver located in or above the air-earth interface and spaced apart from said radiator, maintaining at a predetermined value the amplification constant of said receiver, varying the frequency of the waves emitted by said wave-generating means, measuring the magnitude of the output of said receiver, and simultaneously varying the length and effective height of said radiator in a manner adapted to maintaining substantially constant at said receiver the amplitude of the waves arriving through the air from said radiator.

2,573,683
MACHINE FOR USE IN MAKING INSOLES
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 6, 1947, Serial No. 784,344
34 Claims. (Cl. 12—20)

1. In a machine for operating on soles, a frame, a feed foot mounted on the frame for up-and-down and to-and-fro movements, a table mounted on the frame below the feed foot for supporting a sole, a crank rotatable in a vertical plane, toggles and angle levers between the crank and the feed foot for imparting to the feed foot vertical movements only of the crank to move the feed foot up and down, and toggles and angle levers between the crank and the feed foot for imparting to the feed foot horizontal movements only of the crank to move the feed foot to and fro.



2,573,684
REFRIGERATION APPARATUS, INCLUDING DEFROSTING MEANS
Thomas W. Binder, Maplewood, N. J.
Application July 13, 1946, Serial No. 683,369
7 Claims. (Cl. 62—3)



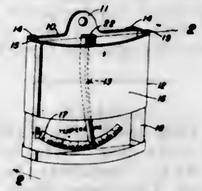
1. In a refrigeration system for maintaining a refrigerated space at a predetermined low temperature, the combination of, an evaporator positioned with the refrigerated space, a compressor to compress the refrigerant, condenser means to condense the compressed refrigerant, an expansion valve at the inlet to the evaporator, a heating coil to heat liquid refrigerant prior to passage to said expansion valve, a restricting valve positioned at the outlet of said evaporator which closes when the pressure in the evaporator reaches a predetermined value and which has a by-pass through which refrigerant flows at a slow rate when the valve is closed, and pressure-responsive means responsive to the pressure at the inlet to the compressor to start the compressor when the pressure reaches a predetermined value whereby during the defrosting operation the refrigerant which flows through said by-pass is compressed by the operation of the compressor thereby to circulate refrigerant through the system during the defrosting operation.

2,573,685
HUMIDOSTAT
Welford C. Blinn, United States Navy, Arlington, Va., and William R. Bailey, Washington, D. C.
Application April 15, 1947, Serial No. 741,658
7 Claims. (Cl. 297—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A flexible laminated hygroscopic element, fixed at one end and adapted to move at its opposite end in response to changes in humidity, consisting of a first dimensionally stabilized narrow strip of ethyl cellulose containing substantially no fugitive plasticizers, and a second strip of substantially nonhygroscopic plastic dimensionally similar to said first strip and secured thereto in face to face relation, said second strip being made of a material selected from the group consisting of polyvinyl chloride, polymerized vinylidene chloride, polystyrene, and copolymer of vinyl acetate and chloride.

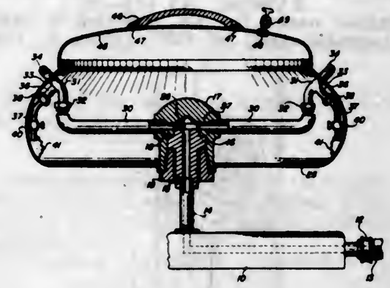
2,573,686
TEMPERATURE INDICATING DEVICE
Welford C. Blinn, Arlington, Va., and William R. Bailey, Chevy Chase, Md.
Application January 8, 1948, Serial No. 1,208
6 Claims. (Cl. 73—365)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. The combination with a base including a temperature scale, of a combined thermo-sensitive element and pointer comprising a flexible laminated member secured at one end thereof to said base and having its other end free and movable across said temperature scale, said laminated member comprising a lamina of non-hygroscopic plastic selected from the group consisting of polystyrene, vinyl chloride and vinyl chloride acetate, and a lamina of metal secured in face to face relation with said lamina of plastic.

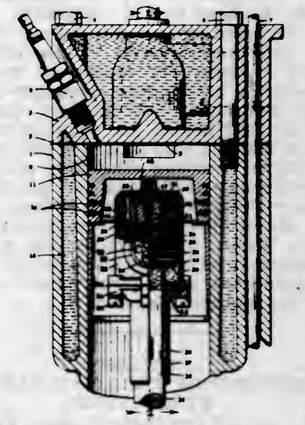
2,573,687
SPRINKLER
Myron R. Brock, College Park, Md.
Application September 7, 1948, Serial No. 48,005
6 Claims. (Cl. 299—69)

3. Sprinkling apparatus comprising a substantially vertical hollow spindle having an exhaust port adjacent its upper end, means spaced from said upper end for connecting said spindle to a source of water under pressure, a cap rotatably mounted on the upper end of said spindle and having an opening therethrough communicating with said port, a container adapted to hold fluid to be mixed with the water spray, means for securing said container to said cap, a cover for said container, an exhaust pipe carried by said cover,



means for securing said exhaust pipe to said cap at said opening, an aspirator in said pipe having a suction tube, said suction tube extending toward the bottom of said container.

2,573,688
INTERNAL-COMBUSTION ENGINE VARIABLE COMBUSTION CHAMBER
Frank David Butler, United States Navy
Application November 26, 1947, Serial No. 788,304
8 Claims. (Cl. 123—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an internal combustion engine of the reciprocating type having a force feed lubrication system, in combination with an engine cylinder having a compression chamber and a piston, an auxiliary compression controlling unit comprising an auxiliary cylinder within said piston and having wrist pins extending into the walls thereof, a connecting rod terminating in an auxiliary piston within said auxiliary cylinder and having an internal passageway connected to the source of the force fed lubricant, means establishing communication between said passageway and the working chamber formed within said auxiliary cylinder, and said auxiliary unit having a restricted orifice for release of lubricant from said working chamber.

2,573,689
INTERNAL-COMBUSTION ENGINE VARIABLE COMBUSTION CHAMBER
Frank David Butler, Washington, D. C.
Application December 12, 1947, Serial No. 791,444
3 Claims. (Cl. 123—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

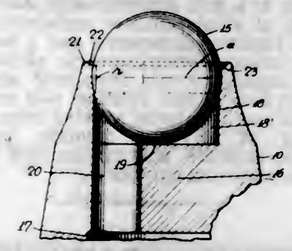


1. In combination with a cylinder of an internal combustion engine, an engine piston forming with said cylinder a compression chamber, said piston carrying means providing an internal auxiliary working chamber comprising a plurality of aligned cylindrical bores of different diameter, with that having the smallest diameter adjacent the head end of the piston, a connecting rod terminating in a stepped auxiliary piston within and complemental to the bores of said auxiliary chamber for movement therein, said rod having a longitudinal passageway opening through the head of said auxiliary piston by way of a restricted orifice for communication with the space between said auxiliary piston head and said internal working chamber, and a second passage through said head and having a check valve permitting flow of fluid through said head in the other direction to the interior of said auxiliary piston, the effective area of the auxiliary piston at its largest diameter, to which said rod is connected, being larger than the effective area at its smallest diameter.

2,573,690
METHOD OF TREATING EARTH FORMATIONS
Paul H. Cardwell and Parke D. Muir, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 25, 1948, Serial No. 17,117
3 Claims. (Cl. 166—22)

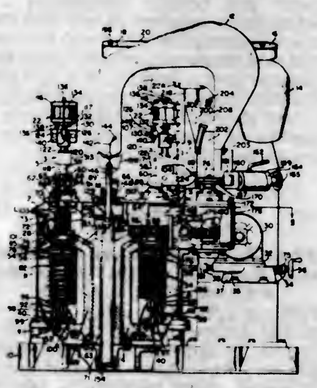
1. The method of consolidating a channeled, fissured, or cracked fluid permeable earth formation consisting of earth particles at least 90 per cent of which pass through a number 20 and are retained on a number 200 standard sieve, said formation being penetrated by a well bore, which comprises introducing into the well bore and thence into the formation a resin-forming liquid capable of forming a hard resin in situ, said resin-forming liquid comprising a mixture of a phenol and an aldehyde together with a catalyst promoting their condensation to a hard resin, said mixture being diluted with a liquid soluble therein but not in the resin and carrying in suspension a filler consisting of rounded granules of which by weight 30 to 60 per cent exceed the sieve size of the earth formation and pass a number 3 standard sieve, 15 to 30 per cent have substantially the same sieve size as those of the earth formation, the balance of the filler particles having a sieve size between a number 3 and 200, the amount of said filler being from 0.25 to 1.0 pound per pound of diluted resin-forming liquid mixture.

2,573,691
WRITING INSTRUMENT
Isidor Chesler, Oceanport, N. J., assignor to Eagle Pencil Company, a corporation of Delaware
Application April 14, 1945, Serial No. 588,382
5 Claims. (Cl. 120—42.4)



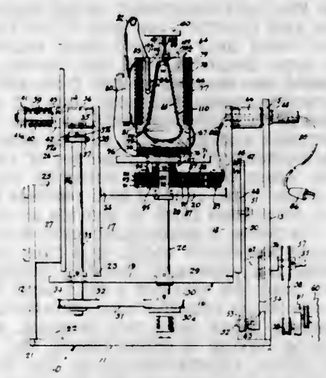
1. In a writing implement of the type having a metal ball writing point protruding therebeyond, the combination of a metal ball, a metal tip accommodating said ball, said tip having a swage fit about opposite sides of the equator of the ball and affording a smooth spherical segment raceway of curvature substantially equal to that of said ball for and completely encircling the ball, and extending substantially to the rim of said tip said rim having an annular trough therein ad acent the ball for surplus ink.

2,573,692
MACHINE FOR MAKING WEDGE HEELS
George R. Constantine and Arthur F. Ball, Haverhill, Mass., assignors to The Service Wood Heel Co., Lawrence, Mass., a corporation of Massachusetts
Application August 24, 1946, Serial No. 692,760
47 Claims. (Cl. 144—142)



1. A heel-making machine having, in combination, a rotatable table, a rotatable heel-blank-clamping jack mounted to rotate with the table, a cutter for cutting the clamped heel blank, means for rotating the table to move the jack toward, past and away from the cutter, and means controlled in accordance with the rotation of the table and operable during the movement of the jack toward, past and away from the cutter to rotate the jack about an axis at an angle to the plane of rotation of the table continuously in the same direction and, during such rotation of the jack, to present the clamped heel blank continuously to the cutter commencing with a corner at the front of the heel blank, then along its corresponding side to its back, and finally along its opposite side to the opposite corner at its front.

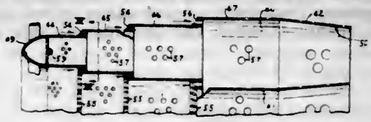
2,573,693
MACHINE FOR MAKING HOLLOW PLASTIC ARTICLES
George W. De Bell, Stamford, Conn.
Application November 14, 1947, Serial No. 785,973
9 Claims. (Cl. 18—26)



1. A machine for molding hollow articles comprising a base, a frame mounted on the base for turning movement in an upright plane about a stationary horizontal axis, a mold mounted on the frame, cooperating means on the base and frame for rotating the mold about an axis running through the mold at substantially right angles to the axis of movement of the frame and operated by turning movement of the frame, and drive means connected to the frame to positively drive the frame a partial revolution first in one direction and then in the other to rotate the mold first in one direction and then in the other during the molding operation.

2,573,694
COMBUSTION CHAMBER WITH STEPPED WALL CONSTRUCTION
Egon A. De Zubay and Robert A. Sforzini, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1946, Serial No. 687,194
11 Claims. (Cl. 60—39.65)

7. In a combustion chamber, an annular outer wall of stepped construction, each of said steps comprising an annular section of materially greater diameter than the preceding section and overlapping the latter, and each riser of said stepped construction comprising an annular member overlapping the adjacent terminal portion of the section of smaller diameter and being

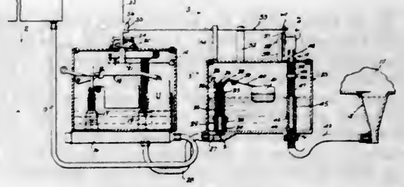


overlapped by the adjacent terminal portion of the section of larger diameter.

2,573,695
HYDROHALOGENATION OF OLEFINS
Arthur A. Dolnick and Harold Naidus, Philadelphia, Pa., assignors to Publicker Industries Inc., Philadelphia, Pa.
No Drawing. Application October 3, 1945, Serial No. 620,189
6 Claims. (Cl. 260—654)

1. In a process for reacting a 1,3 butadiene with a member of the group consisting of HCl, HBr and HI; the step which comprises carrying out the reaction in water at somewhat above room temperature in the liquid phase and in the presence of a catalyst comprising a member of the group consisting of sulphuric acid, phosphoric acid, benzenesulfonic acid and toluenesulfonic acids, said last-mentioned member being present in substantially less than equimolecular quantity based on the butadiene.

2,573,696
SAFETY FEED CONTROL DEVICE FOR OIL BURNERS
Joseph Dominic, Botwood, Newfoundland
Application December 31, 1948, Serial No. 68,637
3 Claims. (Cl. 137—68)

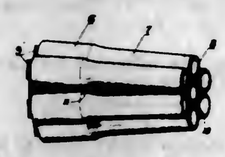


1. In a fuel feed system for oil burners, a float chamber having a manually controlled outlet valve, an outlet conduit connected to said outlet valve, and a feed control device connected to said outlet conduit, said feed control device comprising a chamber having a float-controlled intake valve and an outlet valve mechanically coupled to the outlet valve of the first mentioned float chamber.

2,573,697
MULTITUBE MOSAIC RESO-JET MOTOR
James Y. Dunbar and Donald L. Herr, United States Navy
Application July 30, 1945, Serial No. 607,894
4 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

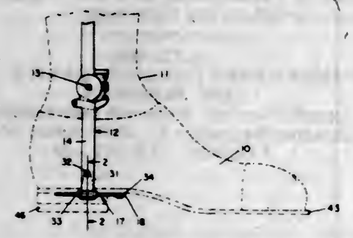
1. In jet motor apparatus of the type wherein a plurality of similar pulsing jet motors of small cross-section are mounted in contiguous relationship and synchronized to operate in phase to provide an arrangement in which an optimum ratio of area to wavelength is maintained, the

improvement which consists in utilizing a plurality of reso-jet motors, each of said reso-jet motors having substantially the same natural resonant frequency of operation based upon the dimensions thereof, the tailpipes of said reso-jet



motors terminating in substantially a common plane substantially transvere to the axis of thrust, the gases from said tailpipes interacting and maintaining said reso-jet motors in synchronism without the use of mechanical controls.

2,573,698
STIRRUP FOR ORTHOPEDIC BRACES
Emmett C. Ellery, Hollywood, Calif.
Application March 25, 1948, Serial No. 17,012
11 Claims. (Cl. 128—80)

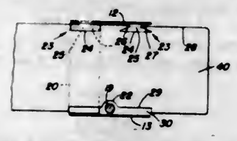


5. A stirrup for an orthopedic brace, said stirrup comprising a thin, rigid plate adapted to be mounted to extend lengthwise beneath the instep portion of a shoe with the rear end of said plate closely beneath the sole of a shoe, means carried by said plate and the sole of the shoe for supporting the front end of said plate in adjustably spaced relation to said sole, and means for securing said plate to an upright brace member.

2,573,699
PROCESS FOR MAKING FROZEN CONCENTRATED FRUIT JUICES
Roderick K. Eskew, Glenside, Richard P. Homiller, Three Tuns, and George W. M. Phillips, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application October 24, 1950, Serial No. 191,912
5 Claims. (Cl. 99—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for producing a frozen concentrate from fruit, berry and vegetable juices, which comprises: stripping volatile aromas from the juice by partial evaporation of the juice; concentrating the volatile aromas present in the vaporized portion of the juice by rectification to form an aqueous volatile aroma concentrate whose total volume is less than 1/25 that of the original juice; concentrating the stripped juice by evaporation to a density not exceeding 50° Brix and below that at which depectinization by gelling upon cooling occurs; mixing the volatile aroma concentrate and the concentrated stripped juice so obtained, and freezing the mixture.

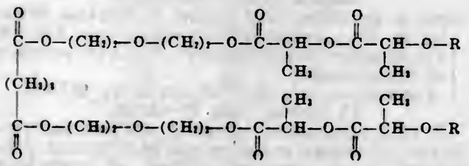
2,573,700
VENETIAN BLIND
Harold W. Ferguson and Sol Schwartz, Rochester, N. Y.
Application May 11, 1949, Serial No. 92,679
3 Claims. (Cl. 160—173)



1. A Venetian blind slat for use with ladder tapes of the type having a pair of relatively wide upright tape members and relatively narrow rung tape members extending crosswise from one of the upright tape members to the other thereof, alternate ones of the rung tape members being near the right hand edges of the upright tape members and intermediate ones of the rung tape members being near the left hand edges of the upright tape members, said slat having at one of its edges two recesses spaced from each other in a direction along the edge, one of said recesses being in alinement with one set of rung tape members and the other of said recesses being in alinement with the other set of rung tape members when the slat is normally assembled with a ladder tape, each of said recesses being of undercut dovetailed form to provide at the inner edge of the recess a space sufficiently wide to accommodate the entire width of a rung tape and to provide an entrance opening substantially narrower than the width of a rung tape, said slat also having at its opposite edge, substantially directly across from said two recesses, a single large recess having a length along the edge of the slat equal approximately to the combined length of the two recesses on the first edge of the slat plus the distance intervening between the two recesses, said large recess being of a size to accommodate a rung tape of either set when the slat is normally assembled with a ladder tape.

2,573,701
POLYETHYLENE GLYCOL ESTERS OF ACYLOXYCARBOXYLIC ACIDS
Edward M. Filachione, Philadelphia, Pa., Martin L. Fein, Riverside, N. J., and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application June 18, 1948, Serial No. 33,836
4 Claims. (Cl. 260—484)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A polyethylene glycol ester corresponding to the formula

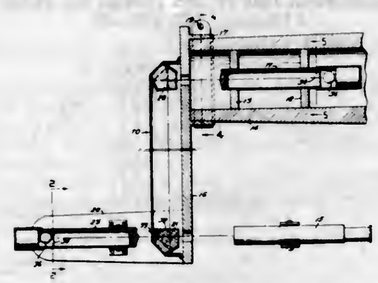


wherein R is the acyl radical of a saturated aliphatic monocarboxylic acid containing from 2 to 3 carbon atoms.

2,573,702
ALUMINA CHROMATOGRAPHIC PURIFICATION OF LIVER EXTRACTS
Karl Folkers, Plainfield, N. J., and John Shavel, Jr., Evanston, Ill., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 9, 1948, Serial No. 20,106
3 Claims. (Cl. 167—74.6)

3. In the process for the purification and concentration of the antipernicious anemia factor in liver, the steps which comprise passing an aqueous solution of a liver concentrate through a chromatographic column containing activated alumina, and eluting the active substances with water.

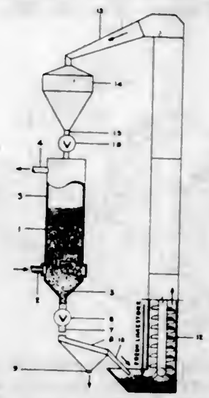
2,573,703
BORE SIGHTING DEVICE
Irvine C. Gardner, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Army
Application November 10, 1949, Serial No. 126,663
5 Claims. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a boresighting device for an artillery piece having an offset telescopic sight comprising a reticle, a first collimator having a normally vertical reticle, means mounting said first collimator within the bore of said artillery piece adjacent the muzzle thereof and with its optical axis coincident with the bore axis, a chassis, means fixedly mounting said chassis on the muzzle of said artillery piece, a second collimator having a normally horizontal reticle, means mounting said second collimator on said chassis to establish a line which is a prolongation of the line of said offset telescopic sight and parallel with a vertical plane through the bore axis of said artillery piece, a prism located between said second collimator and said telescopic sight for transmitting the rays from the second collimator onto the field of view of said telescopic sight, and optical reflectors fixedly mounted upon said chassis to deflect the rays from said first collimator into substantial coincidence with the rays of said second collimator and into superposed intersecting relationship with the fiducial mark of said telescopic sight.

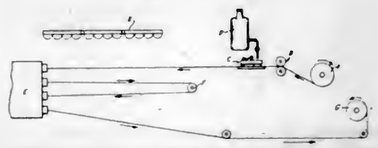
2,573,704
MAKING CALCIUM FLUORIDE
Nathan Gilbert, Sheffield, and Isaac A. Hobbs, Florence, Ala., assignors to Tennessee Valley Authority, a corporation of the United States
Application February 27, 1950, Serial No. 146,542
5 Claims. (Cl. 23—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a process for the production of calcium fluoride wherein gases containing hydrogen fluoride but which are otherwise inert toward limestone are passed over and in intimate contact with limestone and the resulting calcium fluoride is separated from unreacted limestone, that improvement which comprises passing such gases containing hydrogen fluoride upward through a bed of coarse particles of a material selected from the group consisting of oolitic and pisolitic limestone; maintaining the temperature



of said bed and gases in contact therewith in the range above the dew point of said gases and below the decomposition point of said limestone; and separating a lower portion of said bed into two fractions, namely, a fraction consisting of fine particles composed principally of calcium fluoride and a fraction consisting of coarser particles composed principally of unreacted limestone.

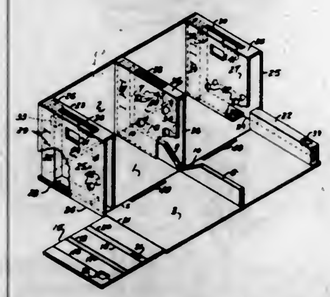
2,573,705
METHOD OF DYEING ONLY THE CELLULOSE ACETATE ENDS OF A MIXED FABRIC USING A DYE PASTE COMPRISING A SWELLING AGENT FOR THE CELLULOSE ACETATE
Bertram J. Goldsmith, Neshanic, N. J., and Walter H. Hindle, Allentown, Pa., assignors to Royal Swan, Inc., Dover, Del.
Application May 7, 1947, Serial No. 746,464
8 Claims. (Cl. 8—24)



1. The method of dyeing textile fabrics which comprises applying a paste, containing a dye which in combination with a swelling agent is capable of directly dyeing cellulose acetate, a solvent for said dye, a swelling agent for cellulose acetate, and a thickening agent, to a single surface of a fabric which surface comprises cellulose acetate ends and ends of a different material which is not capable of being directly dyed by said dye in combination with said swelling agent, said application of the paste being made with a sufficiently thick paste and with sufficiently low pressure to restrict the penetration of said paste into said fabric, said application of the paste contacting both cellulose acetate ends and said other

ends, and removing the paste from said surface while preventing dye from said paste from dyeing cellulose acetate ends on the surface of said fabric opposite said first-named surface.

2,573,706
SHIPPING CASE
Jesse R. Grant, Chicago, Ill.
Application June 21, 1946, Serial No. 678,462
6 Claims. (Cl. 229—23)



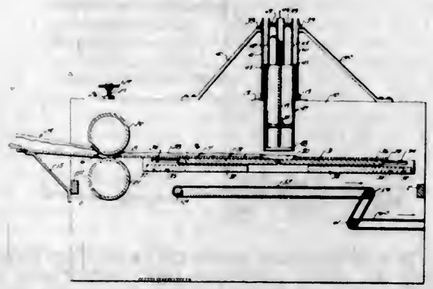
6. In a shipping case, integral bottom and side wall members; extensions on each end of said side wall members forming posts that contain four thicknesses of material in face to face relation, are disposed at right angles to the side wall members, and extend from top to bottom thereof to reinforce the case vertically; extensions on each end of said bottom member extending upwardly alongside the outer faces of the posts and therebetween, across the tops of the posts and downwardly alongside the inner faces thereof to the bottom member to form a hollow end wall at each end of the case; and means securing said end walls to said posts thereby to secure the case together.

2,573,707
METHODS OF PROCESSING SULFUR-VULCANIZABLE ELASTOMER COMPOUNDS
Alvin N. Gray, Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 13, 1949, Serial No. 92,993
12 Claims. (Cl. 18—59)



12. The process of insulating a conductive core with a compound including a sulphur-vulcanizable, diolefine polymer, filler material, a peptizer, softeners and a curing agent, which comprises mixing together the filler material, the peptizer and the polymer and simultaneously working the mixture sufficiently to partially break down the polymer, straining the resulting mixture, introducing the softeners into the mixture and working the mixture sufficiently to further break down the polymer, introducing the curing agent into the mixture just before the end of the last-mentioned working period, immediately cooling the compound sufficiently to arrest vulcanization thereof, storing the cooled compound at room temperature, introducing the compound at room temperature into an extruder, passing a conductive core through the extruder, simultaneously working the compound in the extruder sufficiently to cause the compound to be readily extrudable and extruding the compound into a covering on the core, and vulcanizing the resulting covering on the core.

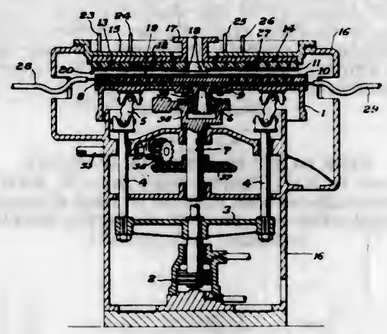
2,573,708
PARKER HOUSE ROLL MACHINE
Rollie D. Hall, Houston, Tex.
Application July 27, 1948, Serial No. 40,943
4 Claims. (Cl. 107—9)



1. A machine for forming rolls comprising a frame having transversely spaced longitudinal sidewalls, a substantially horizontal stationary table mounted between said sidewalls, said table being formed intermediate its ends with a transverse opening, means for intermittently feeding a sheet of dough along said table from one end thereof toward and across said opening, upper and lower pairs of coplanar slides mounted on and between said sidewalls below and in registration with said table opening, means for moving the slides of each pair toward and away from each other, said upper pair of slides when moved toward each other with their adjacent edges in substantial abutting relation providing a supporting surface registered with said table opening for supporting a leading portion of said dough sheet in said table opening, a cutting and forming assembly mounted on and between said sidewalls above said table and registered with said opening, comprising at least one vertically reciprocable hollow die member having a cutting edge on its lower end for cutting a dough blank from a leading portion of the dough sheet on said supporting surface when said die member is depressed from an elevated position, and a vertically reciprocable dough blank folder plate supported within and positioned across said hollow die member, said folder plate being operable from an elevated position to a depressed position below said cutting edge of said die member to engage a dough blank crosswise, and coordinating means operatively connecting said intermittent

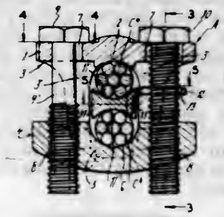
dough sheet feeding means, said upper and lower pairs of slides, said die member, and said dough folder whereby cutting out of a dough blank is followed by partial elevation of said die member from the dough sheet on the meeting upper pair of slides accompanied by descent of said dough folder plate and separation of said pair of upper slides whereby said dough folder plate depresses said dough blank between said adjacent edges of said upper slides in a manner to crease said dough blank downwardly with opposite sides of said dough blank projecting upwardly, then depresses the creased dough blank further downwardly beneath the level of said lower pair of slides, accompanied by movement of the lower slides toward each other from separated position in a manner to engage the approaching edges of said lower slides with said upwardly projecting opposite sides of the dough blank, followed by upward withdrawal of said dough folder plate from between the said sides of the blank and further approach of said lower slides toward each other sufficient to compress the said sides of the dough blank together, followed by separation of said lower slides permitting the resultant dough form to fall from between said lower slides.

2,573,709
APPARATUS FOR RAPID HEAT TRANSFER IN PROCESS MATERIAL
Harold Sanford Hill, Kenogami, Quebec, Canada, and James T. Coghill, Rochester, N. Y., assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada, a corporation of the Province of Quebec
Application July 8, 1946, Serial No. 681,917
3 Claims. (Cl. 257—73)



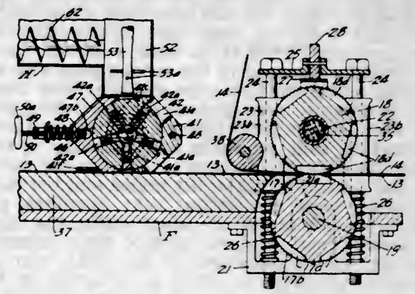
1. In a machine for the continuous treatment of process material the combination comprising two coacting elements having their respective opposed working surfaces adapted and arranged to form therebetween a relatively thin working space, said working space having at one boundary an inlet zone providing entry for continuously fed material and at another boundary a discharge zone so positioned relative to the entry zone that the working space extends therebetween, means connected to said coacting elements for imparting to their working surfaces relative tangential motion of a gyratory character, and means for heating one selected area of at least one of said working surfaces whereby a heating zone is formed in the working space and means for cooling another selected area of at least one of said working surfaces whereby a cooling zone is formed in the working space.

2,573,710
ELECTRICAL CONNECTOR
Eugene E. Holke, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application April 29, 1949, Serial No. 90,320
10 Claims. (Cl. 287—77)



1. An electrical connector comprising a first jaw member having openings formed therethrough, a second jaw member having screw-threaded openings formed therethrough, and a pair of bolts the shank portions of which extend through the openings formed through said first jaw member and have screwthreaded portions which are screwthreadedly seated in the openings formed through said second jaw member, said first jaw member being provided with means at the opening thereof through which the shank portion of one of said bolts extends which prevents passage of the screwthreaded shank portion of said bolt through said opening.

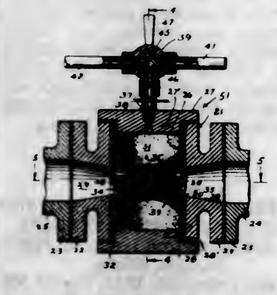
2,573,711
MACHINE FOR MEASURING AND DISPENSING GRANULAR MATERIAL
Clark V. Johnston and Irene M. Johnston, Backus, Minn.
Application December 29, 1945, Serial No. 638,300
3 Claims. (Cl. 93—3)



1. In a machine for measuring, dispensing and film-packaging powdered and granular material, a vertically disposed measuring and dispensing rotor journaled on a horizontal axis and provided with a series of radial charge-passages, having open outer ends disposed at the periphery of said rotor, charging mechanism mounted at the top of said rotor having a discharge communicable with only one of said charge passages at a time, a piston longitudinally movable in each of said charge passages, a substantially horizontal, planar film support disposed just beneath said rotor in close spaced relation to the periphery thereof, a material-guiding shoe element interposed between the bottom of said rotor and said film support and having a discharge aperture of somewhat greater length than the diameter of said

charge passages, the bottom of said shoe being disposed in slight working clearance to the top of a film moved over said support, means for uniformly and longitudinally moving a flexible film of material over said support beneath said rotor, mechanism synchronized with said film-moving means for driving said rotor and cam-actuated means synchronized with said rotor for successively moving said several pistons outwardly at slow uniform speed in the cycle of operation between the horizontal position of each charging passage and the downwardly extending vertical position thereof, whereby with the cooperation of said shoe element, a uniform, substantially thin deposit of powdered or granular material is formed on the moving film without scattering or substantial dropping of the material in the dispensing thereof.

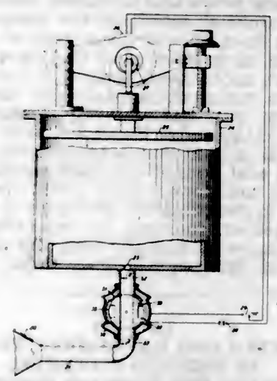
2,572,712
THROTTLE VALVE
Floyd L. Kallam, Pasadena, Calif.
Application September 4, 1945, Serial No. 614,258
2 Claims. (Cl. 251—5)



1. In a flow control device, a body of relatively rigid material arranged for its interposed connection in a pipe line and providing a connecting bore and a second body bore intersecting the first bore and closed at its ends, a tubular member sealedly engaged in the second bore and extending across the first bore and providing openings at opposite sides thereof in registration with the first bore, a flow tube of resilient material connecting said openings and laterally spaced from the ends of the bore of the tubular member and providing a laterally sealed and normally full-sized bore connecting said openings and means for connecting the space within the tubular member with a source of fluid under pressure whereby the introduction of the fluid into the space is arranged to effect a reduction in the cross-section of the passage portion provided in the flow tube portion of the member.

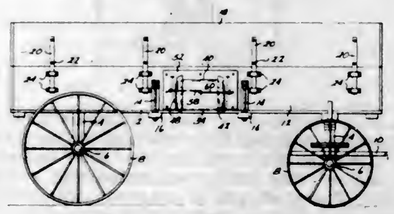
2,572,713
ELECTRICAL WAVE GUIDE SWITCH
Walter F. Kannenberg, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1945, Serial No. 579,105
10 Claims. (Cl. 178—44)

1. A wave guide switch comprising a switch housing physically connected between two longitudinally aligned hollow tubular wave guide sections having equal interior cross-sections and having a cylindrical opening through said housing extending in a direction transverse to the wave guide sections, a valve comprising a solid cylinder of conducting material closely fitting into said cylindrical opening and having a transverse opening of the same cross-section as the interior of the tubular wave guide sections so that upon turning the cylinder to the correct position the transverse opening aligns with the wave guide sections to constitute a smooth uninterrupted wave guide, leakage prevention means in the space between said switch housing and said valve, said means comprising a substantially flat conductive partition disposed radially with



reference to the central axis of the valve and extending substantially the entire distance between the housing and the valve, whereby the partition is parallel to the direction of propagation of leakage waves in said space and the cut-off frequencies of the resulting subdivisions of the said space as wave guides are materially higher than the cut-off frequency of the undivided space, means normally holding said cylinder rotated to such a position as to wholly interrupt the wave guide path and remote controlled means to rotate the cylinder to the open position of the valve.

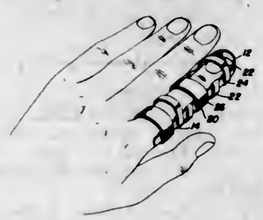
2,573,714
SIDE DUMP FOR GRAIN WAGONS
William D. Karl, Easton, Mo.; John W. Karl administrator of said William D. Karl, deceased
Application July 24, 1947, Serial No. 763,412
2 Claims. (Cl. 298—7)



2. In a side dump, the combination with a wagon, and a side board provided with an opening for the egress therethrough of the contents of the wagon, of a discharge chute operatively connected to said wagon, said discharge chute comprising an inner section hingedly secured to the bottom of said wagon and mounted for movement into and out of closing relation with respect to said opening, a pair of sidewalls secured to said inner section, an outer section, a pair of spaced flange walls hingedly connected to said outer section, a frame secured to said

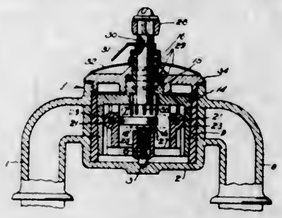
side board adjacent said opening, a chain operatively connected to each of said flange walls and to said frame for limiting opening movement of said chute, interengaging means on said flange walls for preventing downward folding of said sections relative to each other, and a flange hingedly secured to said frame for sealing said opening when said chute is closed.

2,573,715
DIGIT GUARD
Victor Leroy Kelly, Houston, Tex.
Application December 22, 1947, Serial No. 793,223
2 Claims. (Cl. 128—89)



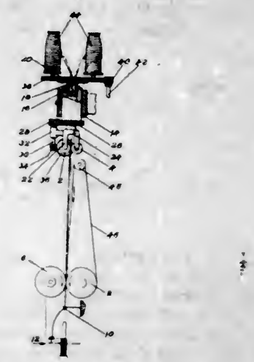
1. A cover for an injured member of the anatomy comprising a splint consisting of a pair of substantially parallel legs having transverse weakened parts therein for ready removal of a portion of each leg and said weakened parts defining removable portions of said legs, said legs being connected at one pair of ends thereof by means of an integral part of said splint, cradles having bearings at their ends slidably disposed on said legs so that the cradles may be slidably moved to preselected spaced parts of the injured member, guards, said guards being larger than said cradles so that the guards are spaced farther from the injured member than the cradles, and means fixing said guards to said legs for longitudinal adjustment on said legs.

2,573,716
MIXING VALVE
Robert E. Kirtley, Chicago, Ill.
Application October 31, 1947, Serial No. 783,377
3 Claims. (Cl. 277—8)



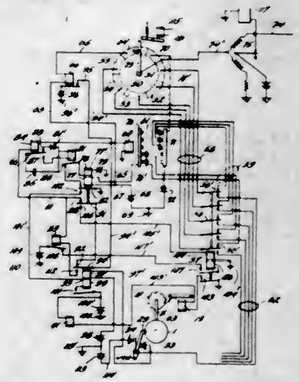
1. In a mixing fixture, a mixing chamber having a pair of inlets and a delivery, a pair of separated passageways in said mixing chamber registering with said inlets, a bushing in said mixing chamber having spaced perforations registering with said mixing chamber passageways, a rotary valve in said bushing having a slot for selective registration and non-registration with said bushing perforations singly and jointly, an axially adjustable spindle in said rotary valve, a slide valve associated with said rotary valve for opening and closing said rotary valve slot, and means releasably connecting said spindle to said rotary valve and to said slide valve for actuating same, said means effective only when said spindle is disengaged from said rotary valve.

2,573,717
PROCESS AND MACHINE FOR CONVERTING TEXTILE FILAMENTS
Norman E. Klein, Clemson, S. C., assignor to Deering Milliken Research Trust, New York, N. Y., a non-profit trust of New York
Application May 17, 1947, Serial No. 748,803
4 Claims. (Cl. 57—2)



3. The process of converting tow to yarn which comprises doubling and twisting ends of tow while subjecting the ends to tension sufficient to stretch break the tow and draft the broken filaments thereof.

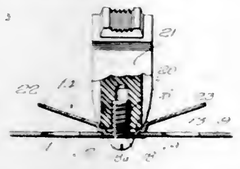
2,573,718
TELEGRAPH SYSTEM
Edward E. Kleinschmidt, Highland Park, Ill.
Application August 28, 1943, Serial No. 500,414
17 Claims. (Cl. 178—69)



4. A system for transmitting and receiving telegraph messages in permutation code comprising message and message end signal transmitting apparatus; message receiving apparatus; means associated with said transmitting apparatus to detect a message end signal and thereupon stop the transmission of telegraph messages and start the transmission of a test signal code combination consisting of one marking signal and four

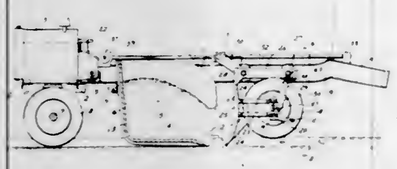
signals, means to progressively change the relation of the marking signal to the spacing signals in successive test signal code combinations; and additional means to render the transmitting apparatus effective for the resumption of transmission of telegraph messages after a test code combination has been transmitted.

2,573,719
REGULATING VALVE FOR COOKING UTENSIL COVERS
Harry J. Lebherz, Frederick, Md., assignor to The Everedy Company, Frederick, Md., a corporation of Maryland
Application May 26, 1948, Serial No. 29,289
4 Claims. (Cl. 220—44)



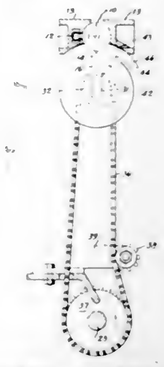
3. A regulating vent for a cover member having a series of substantially aligned openings in the top thereof comprising a valve plate having a centrally extruded portion projecting into one of the openings in the cover member, an actuating knob, a fastening device for securing the actuating knob in position immediately adjacent said valve plate and confining the extruded portion of said valve plate on the cover member, a diametrically extending flat surface portion coextensive with said valve plate and extending in surface contact with the cover member for closing the ventilating openings in one position of said valve plate, and a pair of deflector plate portions integral with said diametrically extending portion and projecting upwardly at approximately 30° to the plane of said diametrically extending portion and movable to a position over the ventilating openings when said knob is moved to a position in which the diametrically extending portion of said valve plate uncovers the ventilating openings for directing convection currents issuing through the ventilating openings in opposite directions away from said knob.

2,573,720
SCRAPING, LOADING, AND CARRY-OFF EARTH WORKING MACHINE
Erich H. Lichtenberg, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application November 4, 1947, Serial No. 783,899
4 Claims. (Cl. 37—126)



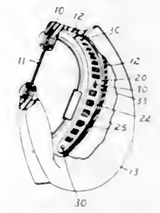
1. In a dirt scraping, loading and carry-off machine, in combination, a wheeled vehicle including a frame, front and rear axles and wheels thereon, a bowl mounted thereon and having a forwardly facing digging scraper, a secondary front digging scraper mounted on said frame and movable toward the bowl and its scraper to dig and scrape material into said bowl, a sliding carriage supporting the front scraper on the frame, means to move the front scraper rearwardly toward the bowl, and said frame being formed with unitary guide portions to support the front scraper inactive while stationary and above the earth to be scraped, and also formed with other guide portions to direct the front scraper into the earth as it is moved in the direction of the rear scraper, and pivotal connections between the front axle and the front scraper, combined with a device intermediate the carriage and front axle to move the latter vertically relatively to the frame.

2,573,721
CAN WIPING AND SHIELDING MECHANISM
Philip F. Lindeman, Berkeley, and Vernon J. Simmen, San Francisco, Calif., assignors to Pacific Can Company, San Francisco, Calif., a corporation of Nevada
Application November 8, 1949, Serial No. 126,196
4 Claims. (Cl. 113—97)



1. In combination, guideways confining the path of movement of open-ended cans in a straight line, a conveyor for moving said cans in a direction parallel to their axes in uniformly spaced relation along said guideways, a wiper positioned to remove surplus solder from said cans while moving along said guideways, a concave, rotatably-mounted shield having a frusto-conical exterior and having its axis of rotation parallel to the direction of movement of said cans positioned between said wiper and the source of said cans, and means for rotating said shield in timed relation to movement of said conveyor, said shield having a peripheral lobe, said lobe being shaped and the relative timing of said conveyor and said rotating wiper being such that the maximum elevation of the periphery of said lobe increases and diminishes during the cycle of rotation of said shield and during the maximum elevation of said lobe said lobe is interposed in the space between a leading and a following can to shield said following can from solder splash from said wiper, said lobe being notched in its trailing edge to form an ear, said notch having one edge with its radial distance from said axis of rotation of said shield no greater than the elevation of the lowermost portions of said cans moving along said guideways above said axis of rotation, said notch having another edge of increasingly greater distance from said axis of rotation, the juncture of said last-named two edges being located spaced inwardly from said trailing edge of said lobe so that when said juncture is uppermost the foremost and lowermost portion of said following can projects through said notch and as said shield revolves an increasing portion of said following can projects through said notch and said ear shields the remainder of the interior of said following can from solder splash.

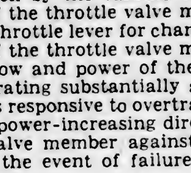
2,573,722
FILTER FOR GOGGLES AND THE LIKE
Frank W. Maurer, Newton Highlands, and Jack B. Hirschmann, Fairhaven, Mass., assignors, by mesne assignments, to said Jack B. Hirschmann
Application December 30, 1946, Serial No. 719,326
11 Claims. (Cl. 2—14)



1. In a goggle frame of the type described including a rim portion adapted to hold a lens and a portion extending rearwardly from said rim and cooperating with such lens to define an eye chamber, said rearwardly extending frame portion having a multiplicity of spaced openings therethrough providing ventilation ports for said eye chamber, the combination of an elongated filter-supporting member of flexible material positioned within said frame and overlying said rearwardly extending frame portion and the ports therethrough, said filter-supporting member having apertures therethrough adapted to register with said ports respectively, a layer of filter material secured to said filter-supporting member in overlying relation with said apertures therethrough, and complementary attaching means on said filter-supporting member and said frame adapted for relative engagement to secure said filter-supporting member to said frame with said filter-layer in overlying relation with said ports to filter gas entering said eye chamber through said ports, said attaching means being readily releasable to provide for removal and replacement of said filter-supporting member and filter-layer.

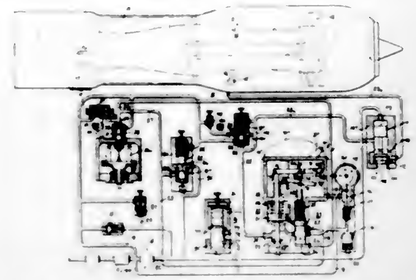
2,573,723
PHONOGRAPH STYLUS OF SMALL EFFECTIVE TIP RADIUS
Edward F. McClain, Jr., Washington, D. C.
Application September 30, 1947, Serial No. 777,098
1 Claim. (Cl. 274—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A universal stylus for providing low distortion reproduction with two point contact from any of a range of groove shapes comprising, a conical portion and a tip portion having a complex arcuate surface, said tip portion comprising a spherical sector forming the extreme tip portion and a spherical segment disposed intermediate to the spherical sector and the conical portion, said spherical sector having a radius larger than that of said spherical segment, the relative sizes of said sector and said segment being such that their intersection makes a [illegible]



ter whose length is greater than that of the radius of the spherical segment and smaller than that of the radius of the spherical sector.

2,573,724
GAS TURBINE FUEL CONTROL WITH THROTTLE CONTROLLED MANUALLY AND BY FLUID PRESSURE FROM AN ISOCHRONOUS GOVERNOR
Robert A. Neal, Media, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1948, Serial No. 10,661
8 Claims. (Cl. 60—39.28)

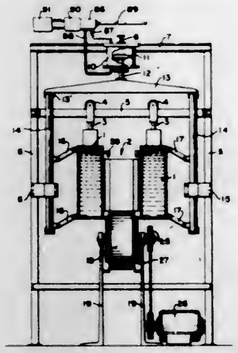


1. In an aircraft propulsion plant wherein a compressor driven by a turbine delivers air to support combustion of fuel and to admix with the products of combustion to form gaseous motive fluid for driving the turbine, a fuel pump having a discharge passage, a passage for delivering fuel for combustion, a throttle valve through which liquid fuel flows from the discharge passage to the delivery passage and including a movable throttle valve member, a spring for biasing the throttle valve member in a closing direction, a governing system including an isochronous governor driven by the turbine for controlling the position of the throttle valve member, means including a throttle lever for changing the governed position of the throttle valve member for changing fuel flow and power of the turbine with the latter operating substantially at constant speed, and means responsive to overtravel of the throttle lever in a power-increasing direction to move the throttle valve member against the force of the spring in the event of failure of the governing system.

2,573,725
TUNNEL FREEZING APPARATUS AND METHOD
Isaac H. Polk, San Jose, Calif.
Application August 21, 1946, Serial No. 691,962
17 Claims. (Cl. 62—114)

1. In freezing apparatus for freezing packages by direct conduction, a freezing passage having refrigerated side walls, a conveyor extending along the lower part of said passage, said side

walls being transversely movable whereby they may be brought into surface contact with the sides of packages on said conveyor, and means



for moving said side walls simultaneously transversely and vertically for breaking frost adhesions between said packages and side walls.

2,573,726
CATALYTIC DESULPHURISATION OF NAPHTHAS

Frederick William Bertram Porter and Frank Robert George Green, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

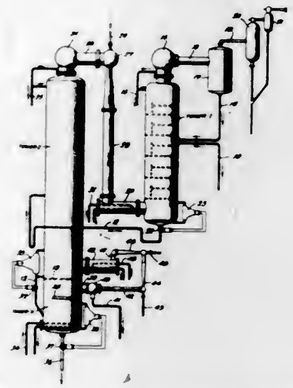
No Drawing. Application June 29, 1948, Serial No. 35,976. In Great Britain June 30, 1947
14 Claims. (Cl. 196—28)

1. In a continuous process for the hydrocatalytic desulphurisation of a sulphur- and naphthene-containing straight-run naphtha wherein the naphtha is contacted in a reaction zone at an elevated temperature and pressure in the presence of hydrogen with a dehydrogenation-hydrogenation catalyst which is immune to sulphur poisoning and combines activity for the dehydrogenation of naphthenes to aromatics with activity for the hydrogenation of organically combined sulphur in the naphtha to hydrogen sulphide, the method of operating the process so that it will be self-supporting with respect to the amount of hydrogen needed and produce product naphtha having, except for lowered sulphur content, properties and boiling range substantially the same as the feedstock, comprising the steps of passing the naphtha to be treated through said reaction zone and contacting the naphtha therewith with said catalyst and with hydrogen derived solely from the naphtha, maintaining a selected temperature in said zone between about 650° F. to about 800° F. at which hydrogen is continuously produced from said naphtha, maintaining a selected pressure in said zone between about 25 to about 500 lb./sq. in. gauge, said selected temperature and pressure being correlated to provide a net production of hydrogen at least sufficient to maintain the pressure in said zone substantially constant, separating a hydrogen-rich gas mixture from the treated naphtha, recycling said hydrogen-rich gas mixture to the reaction zone to constitute the whole of the hydrogen supplied to said zone, the hydrogen recycle rate being sufficient to maintain the necessary partial preasure of hydrogen in said zone, and recovering the desired product naphtha from the residue of said separating operation.

2,573,727
APPARATUS FOR DISTILLATION OF FATTY ACIDS, TALL OIL, AND THE LIKE

Ralph H. Potts, La Grange, and Roy N. Olson, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

Application December 15, 1947, Serial No. 791,856
2 Claims. (Cl. 202—154)

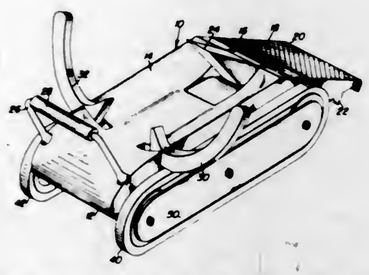


1. In apparatus of the character set forth, a steam stripping tower, a steam distilling tower, and a flash drum, means for passing charging stock successively through said stripping tower, fractionating tower and flash drum, condensers communicating with each of said towers, a steam ejector pump communicating with the condenser for said steam distilling tower, a steam ejector pump communicating with the condenser for said flash drum, and conduit means directing the steam from the pump communicating with said steam distilling tower to the lower portion of said steam stripping tower and directing steam from the pump communicating with said flash drum into the lower portion of said steam distillation tower.

2,573,728
EMERGENCY VEHICLE WHEEL TRUCK

William A. Pugh, Sr., Chicago, Ill.

Application March 2, 1950, Serial No. 147,283
1 Claim. (Cl. 214—85)



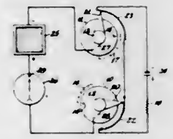
An emergency flat tire carriage comprising a body portion having an elongated channel formed in its upper surface forming a cradle to support a deflated rim mounted pneumatic tire, said channel being curved transversely to conform to the cross-sectional contour of the tire, a ramp pivotally mounted on one end of the body and having an offset extension formed on its

inner end and aligned with said channel, a fixed upstanding stop on the other end of the body in alignment with the channel for supporting the tire with the ramp being swung upwardly upon loading of the tire to form a stop, a pair of arcuate arms pivotally mounted on the body for vertical swinging movement transversely of the channel, said arms having inner extensions disposed in the channel and extending upwardly therefrom to effect a cooperative inwardly swinging movement of the arms for clamping engagement of the side walls of the tire upon loading of the tire in the channel, shafts transversely journaled in the body, pulleys fixed on the opposing ends of the shafts and ground engaging belts connecting the pulleys on the opposite ends of the shafts, and means formed on the underside of the ramp for anchoring the ramp in the ground.

2,573,729
SYSTEM OF PHOTOELECTRIC EXPOSURE CONTROL

Karl Rath, New York, N. Y.

Application May 26, 1948, Serial No. 29,314
3 Claims. (Cl. 95—10)



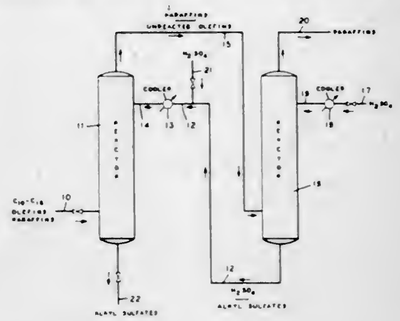
1. In combination with a photographic camera having exposure time and lens aperture control means, a source of substantially constant potential, a self-generating barrier layer photoelectric cell, a current indicator connected in series with said cell to form a first branch circuit, a pair of potentiometer resistors connected in series to form a second branch circuit, contact means for each of said resistors, adjusting means each positively coupled with one of said control means for varying the relative adjustment of said resistors and associated contact means, circuit connections, said contact means and circuit connections electrically connecting both said branch circuits in parallel to said source, to counteract the voltage generated by said cell by the sum of the voltage drops through said resistors produced by the current from said source, whereby said resistors may be varied to balance the voltage in said circuit as shown by said indicator and set said exposure time and lens aperture control means.

2,573,730
PROCESS OF SULFATING OLEFINS

Louis C. Rubin, West Caldwell, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application March 15, 1948, Serial No. 14,995
10 Claims. (Cl. 260—460)

1. The process of preparing a sulfonation product wnich comprises introducing a straight-chain olefin having from 10 to 18 carbon atoms per molecule and an aqueous solution of a sulfur containing polybasic mineral acid into a first reaction zone, maintaining an excess of olefin in said first reaction zone over the quantity necessary to react with substantially all of the acid present whereby the resulting product is a mixture comprising the corresponding sulfonation product of said olefin and unreacted olefin, passing a mixture comprising unreacted olefin from said first reaction zone to a second reaction zone, introducing a fresh aqueous solution of said polybasic mineral acid into said second reaction zone, maintaining an excess of acid in said second reaction zone over the quantity necessary to react with substantially all of unreacted olefin present in the mixture introduced into said second reaction zone whereby the resulting product is a mixture comprising the corresponding sulfonation product of said olefin and unreacted



acid, maintaining the aqueous solutions of acid introduced into said reaction zones at a concentration of at least 80% and introducing said aqueous acid solutions at a temperature between about 0° C. and about —20° C., passing said last-mentioned mixture from said second reaction zone to said first reaction zone as a feed thereto, and withdrawing the sulfonation product from said first reaction zone as a product of the process.

2,573,731
ACID METERING AND ATOMIZING NOZZLE

Milton E. Ryberg and Harold W. Burney, Gainesville, Fla., and Fred L. Joy, Ripley, Miss., assignors to the United States of America as represented by the Secretary of Agriculture

Application December 8, 1950, Serial No. 199,904
2 Claims. (Cl. 299—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An atomizer comprising a pliable hand-squeeze bottle, a liquid tube, and a spraying nozzle unit mounted upon the mouth of the bottle, the nozzle unit having an air chamber therein which communicates with the mouth of the bot-

tle, the nozzle unit comprising a casting molded from an organic plastic material, the nozzle having a narrow air liquid mixing passage terminating in its spraying tip, a larger bore in the nozzle tip communicating with the mixing passage, the nozzle being provided with at least two symmetrically positioned air metering slots tangential to the air liquid mixing passage, the slots being in the end wall of the bore, and facing toward the air chamber in the nozzle, the liquid tube extending downwardly into the bottle and upwardly through the nozzle air chamber and terminating in and being fastened in the bore in the nozzle tip, the upper end of the tube being at least closely adjacent to the tangential slots, the bore being provided with longitudinal slots in its side walls serving as air passages communicating with the squeeze bottle and the tangential slots, whereby upon removing the liquid tube the surfaces of the tangential and longitudinal slots are exposed.

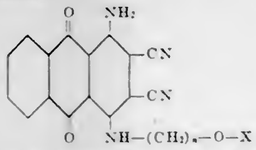
2,573,732

1 - AMINO - 2,3 - DICYANO - 4 - OXYALKYLAMINO ANTHRAQUINONES AND METHOD OF PREPARING THE SAME

Victor S. Salvin, Irvington, and John R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application September 14, 1949, Serial No. 115,768
8 Claims. (Cl. 260—379)

1. Anthraquinone dyestuffs of the following general formula:



wherein *n* is an integer of up to about 5 and X is a member of the group consisting of alkyl and hydroxyalkyl groups.

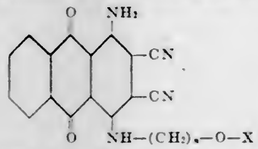
2,573,733

PRODUCTION OF ANTHRAQUINONE DYESTUFFS

Victor S. Salvin, Irvington, and John R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application January 3, 1950, Serial No. 136,650
20 Claims. (Cl. 260—379)

1. In a process for the production of anthraquinone dyestuffs of the following formula



by catalytically reacting in an aqueous reaction medium 1-amino-2-sulfo-4-brom anthraquinone with an amine of the formula

$$NH_2—(CH_2)_n—O—X$$

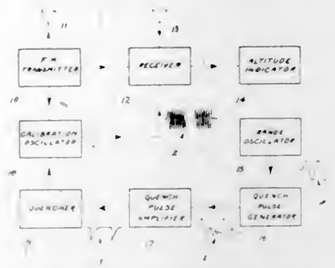
wherein *n* is an integer of up to about 5 and X is a member of the group consisting of alkyl and hydroxyalkyl groups, and then subjecting the product obtained to a cyanation reaction with an alkali metal cyanide, the step which comprises effecting said cyanation reaction in an aqueous reaction medium containing a buffer salt in an amount sufficient to maintain said aqueous reaction medium at a pH from about 9.2 to 9.5.

2,573,734

CALIBRATOR

Royden C. Sanders, Jr., Chestnut Hill, Newton, and William R. Mercer, Belmont, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application August 20, 1945, Serial No. 611,660
14 Claims. (Cl. 343—14)



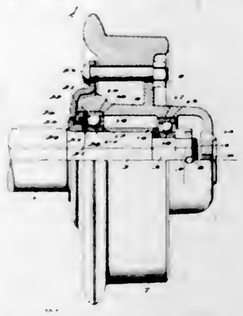
1. In a signal generator for enabling the calibration of a frequency-modulated distance-determining system including a transmitter and a receiver, the frequency of said transmitter being recurrently swept through a predetermined frequency band: means for recurrently generating a train of electrical oscillations; the period during which each such train of oscillations is generated being substantially equal to the time-equivalent of a predetermined distance at which said system is to be calibrated and the number of cycles in each such train of oscillations being constant; and means for initiating each such train of oscillations in time-phase with the signal being instantaneously generated by said system.

2,573,735

WHEEL AND AXLE SEAL

Hugh W. Sanford and John Frank Baker, Knoxville, Tenn., assignors to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware

Application January 3, 1946, Serial No. 638,822
8 Claims. (Cl. 295—44)



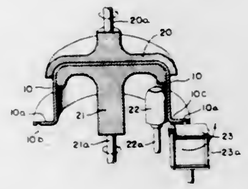
1. In a hub having an open inner end adapted to receive an axle therein and to be journaled on said axle, a ring arranged at the axial inner end of said hub and having a radially extending inner portion thereof to close said end portion of said hub, a collar adapted to fit about the axle and spaced radially inwardly from said ring, said collar having a portion thereof extending radially outward, a packing ring adjacent the open end of the hub in position to seal the space between said hub and the axle collar, and a metal ring disposed axially laterally of said packing ring in overlapping relation with the outwardly extending portion of the collar and the radially extending portion of the first-mentioned ring in position to prevent the admission of foreign matter into the packing ring.

2,573,736

METHOD OF MAKING HOLLOW ARTICLES

Angelo C. Scavullo, Forest Hills, N. Y., assignor to Victor K. Scavullo, Frank Scavullo, Charles Scavullo, Marie Scavullo Saegert, and Margaret Scavullo Scott, all of Forest Hills, N. Y.

Application February 24, 1947, Serial No. 730,451
2 Claims. (Cl. 29—148.2)



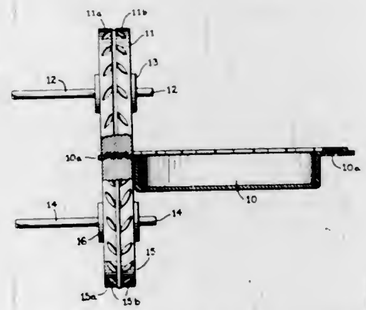
1. In the production of sheet metal hollow-ware articles, the art which includes, forming the sheet into desired hollowed configuration with a free edge portion, positioning the hollowed formed sheet between rotary clamping plates, then while backing up the main body of sheet spinning the free edge of sheet to an overlapping border by applying pressure to the free spinning edge, and introducing molten solder between said border and the main body of said sheet during final stages of the spinning operation.

2,573,737

METHOD OF MAKING SHEET METAL HOLLOW WARE

Angelo C. Scavullo, Forest Hills, N. Y., assignor to Victor K. Scavullo, Frank Scavullo, Charles Scavullo, Marie Scavullo Saegert, and Margaret Scavullo Scott, all of Forest Hills, N. Y.

Continuation of application Serial No. 635,603, December 17, 1945. This application October 12, 1950, Serial No. 189,813
2 Claims. (Cl. 29—148.2)



1. In the fabrication of ornamented stainless steel hollow-ware, the art which comprises, shaping stainless steel sheet of 20–14 gauge to desired hollow-ware configuration with a free out-turned circumferential rim, and then continuously feeding said free out-turned rim by rotating said ware between male and female rotary dies operating in axes at an angle to the axis of rotation of said ware and cooperating at sufficient pressure and at sufficient distance from the edge of the rim to impart ornamentation thereto.

2,573,738

FUNGICIDAL COMPOSITIONS

Carleton N. Smith, Snyder, Fred R. Whaley, Kenmore, and Richard H. Wellman, Yonkers, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application December 7, 1945, Serial No. 633,530
26 Claims. (Cl. 167—14)

2. A fungitoxic mass comprising a basic chromate comprising a plurality of multivalent metals, the chromate containing more than 3% by weight of hexavalent chromium and having the characteristic that when 1 part by weight is thoroughly mixed with 100 parts by weight of water until the water is saturated with the chromate at 25° C., a slurry is formed containing undissolved and dissolved chromate, the amount of chromate dissolved being such that 100 cc. of the solution contains between 0.0001 and 0.03 grams of hexavalent chromium, the undissolved chromate being capable of supplying more dissolved chromate upon mixing with more water.

2,573,739

FUNGICIDAL BASIC BERTHOLLIDE AND METHOD OF USING SAME

Fred R. Whaley, Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application December 18, 1947, Serial No. 792,631
4 Claims. (Cl. 167—14)

1. A fungicide comprising a basic berthollide complex oxy-compound consisting essentially of oxy-compounds of cadmium and calcium and at least one metal of the group consisting of copper and zinc combined in the berthollide; the berthollide being characterized by inhibitory properties toward the fungus causing dollar spot, and further characterized in that in aqueous slurries containing undissolved berthollide an increase in the proportion of undissolved berthollide to the water gives less than a proportional increase in the amount of cadmium in solution; and further characterized by a phytotoxicity below that of cadmium hydroxide; the berthollide being present in an amount sufficient to provide, as compared with the separate fungicidal properties of cadmium hydroxide and calcium hydroxide, an improved fungicide that is more effective against dollar spot than cadmium hydroxide at the same concentration of cadmium.

2,573,740

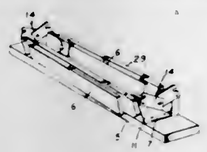
CARPENTER'S HORSE OR TRESTLE

George W. Spikings, Jr., River Grove, Ill.

Application February 18, 1947, Serial No. 729,246
2 Claims. (Cl. 304—5)

2. A trestle comprising a table top, a pair of downwardly diverging legs at each end of the table top and pivotally secured thereto, and a shelf comprising complemental sections extending longitudinally of the trestle and hinged to-

gether at their adjacent longitudinal edges, strap latch members pivoted on both upper and lower surfaces of one of said sections and engageable with headed members on the other section to hold the sections against hinging action, a pair of upstanding side walls on the outer longitudinal edges of the sections and positioned between the



legs, and angle braces secured to and between the legs at each end of the trestle and having horizontal flanges supporting said shelf and holding apart said legs at each end, said braces having vertical flanges extending across the ends of and above the shelf, said shelf with said walls and braces comprising a tray.

2,573,741

DERIVATIVES OF PARAHYDROXY-PENICILLIN G

Frank H. Stodola, Peoria, Ill., Jacques L. Wachtel, Lawrenceburg, Ind., and Robert D. Coghill, Lake Bluff, Ill.; dedicated to the People of the United States of America

No Drawing. Original application June 13, 1945, Serial No. 599,300. Divided and this application March 3, 1950, Serial No. 147,572

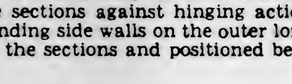
6 Claims. (Cl. 260—239.1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A derivative of parahydroxypenicillin G having the general formula



where X is a member of the group consisting of hydrogen and halogen; Y is a member of the group consisting of hydrogen and halogen, at least one of X and Y being halogen; Rp being the radical common to compounds of the penicillin family and having the probable structural formula



and Z being a member selected from the group consisting of H, Na, K,

$$\frac{Ca}{2}, \frac{Mg}{2}, \frac{Ba}{2}, \text{and } NH_4$$

2,573,742

OSCILLATOR FREQUENCY CONTROL

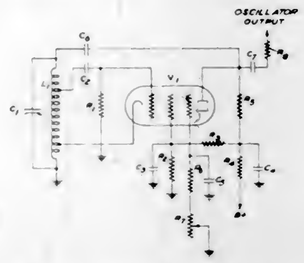
Emerick Toth, Cheverly, Md.

Application December 31, 1940, Serial No. 372,610

7 Claims. (Cl. 250—36)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Means for controlling the frequency of an oscillator including an electron discharge device having a cathode, an anode and three electrodes therebetween, and a tuned circuit coupled to the cathode and the two electrodes nearest thereto in such a manner as to sustain oscillations, comprising a reactive connection between said anode and said tuned circuit, and a connection from the remaining electrode to the tuned circuit at a point thereon displaced from the reactive connection



thereto, the last-named connection including a variable resistor and by-passing condenser means therefor.

2,573,743

METHOD OF MANUFACTURING COLLOIDAL INORGANIC OXIDE AQUASOLS

Henry S. Trail, Quincy, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 31, 1948, Serial No. 41,892

10 Claims. (Cl. 252—313)

1. A method of preparing inorganic oxide aquasols which comprises passing a mixture of a colloidal inorganic oxide alkaline aquasol and a small proportion of a solution of the same inorganic oxide which is present in the mixture in ionic form through a bed of cation-exchange material until the pH of the total effluent is slightly below the neutral point; alkalizing said effluent with an alkaline compound capable of yielding ions selected from the group consisting of alkali metal, ammonium and quaternary ammonium ions; heating the effluent at a temperature and for a duration of time sufficient to convert the ionic form of the inorganic oxide to colloidal form and then recycling a portion of the effluent together with a small proportion of a solution of the same inorganic oxide in ionic form through a bed of acid regenerated cation-exchange material in substantially the same manner.

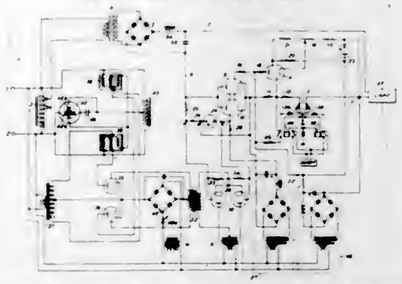
2,573,744

REGULATED CURRENT SUPPLY APPARATUS

David E. Trucksess, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 11, 1949, Serial No. 98,604

16 Claims. (Cl. 321—22)



1. An electric power supply circuit arrangement for providing unidirectional current to a load circuit comprising, a rectifier for rectifying current from an alternating-current source, and for supplying said rectified current to the load circuit, variable current conducting means in said load circuit, means for varying the conductance of said conducting means in response to changes of current flowing to the load for controlling at least in part the current in said load circuit, and means responsive to a portion at least of the voltage drop across the said variable current conducting means for controlling the alternating voltage impressed upon the said rectifier from the alternating-current source, said last-mentioned means comprising a variable reactor and means for varying the reactance of said variable reactor in response to changes of said voltage drop across said variable current conducting means.

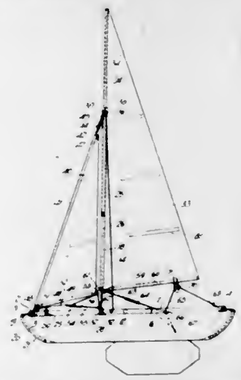
2,573,745

MODEL YACHT

Victor Henri Wallenberg, Stockholm, Sweden

Application September 15, 1948, Serial No. 49,393

8 Claims. (Cl. 114—39)



1. A model sailing yacht, comprising, a pair of inflated collapsible pontoons disposed in side by side spaced parallel relationship, a longitudinal frame member for each pontoon removably secured thereto adjacent each end, relatively rigid bow and stern cross members detachably connecting said frame members and said pontoons in spaced parallel relationship, a cross bar connecting said frame members intermediate the ends thereof, a keel mounted on said cross bar for fore and aft pivotal movement and extending below said pontoons, a second cross bar mounted on said frame members for movement in a fore and aft direction and forming a mast step, means to secure said second cross bar in adjusted position, a sectional mast stepped in said second cross bar, shrouds secured to an intermediate point on said mast and to said frame members, a foresail shroud secured to an intermediate point on said mast and to said bow cross member, a foresail supported by said foresail shroud and having a foresail boom received in a tubular portion adjacent the foot thereof, a foresail sheet connected to said foresail boom and slidably connected to said second cross bar, means to adjust the length of said foresail sheet whereby said foresail may be trimmed, a mainsail having a tubular portion adjacent the peak thereof received over the upper section of said mast and supported thereby, a main boom received in a tubular portion at the foot of said mainsail, a main sheet detachably secured to said main boom for adjustment in a fore and aft direction and adjustable flexible means connecting said mast, said keel and said main sheet whereby upon movement of said second cross bar said keel will be pivated in a fore or aft direction to balance said yacht and said mainsail will be trimmed.

2,573,746

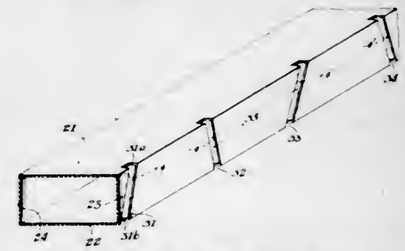
DIRECTIVE ANTENNA FOR MICROWAVES

William Heriot Watson, Saskatoon, Saskatchewan, and Ernest Wilmot Guptill, Montreal, Quebec, Canada, assignors to Honorary Advisory Council for Scientific and Industrial Research of Canada

Application November 5, 1945, Serial No. 626,738

In Canada September 19, 1945

33 Claims. (Cl. 250—33.63)



1. A directive antenna for microwaves, comprising a wave guide formed with at least one series of slots substantially resonant for a wave of a given wave length and of substantially greater length than width, the centres of the slots of said series being spaced along the length of the guide at intervals of less than substantially seven-eighths of said wave length in free space and the slots being arranged in positions such that when the guide is fed with a microwave the current flow along the guide walls at such positions excites said slots, each of substantially all the slots of said series being in at least substantially the same geometrical relation to the guide, apart from longitudinal displacement, as the image of an immediately adjacent slot of said series with respect to a line on the guide wall across which in the absence of any slots there would be no current flow.

2,573,747

PEBBLE HEATER APPARATUS

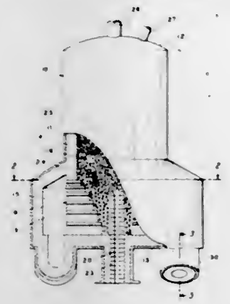
Louis J. Weber, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 15, 1947, Serial No. 791,736

5 Claims. (Cl. 263—19)

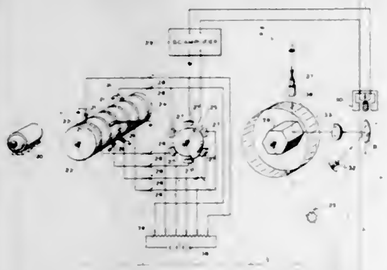
1. In a pebble heater apparatus utilizing a moving bed of heated pebbles, an improved pebble heating chamber comprising a substantially vertically disposed closed outer shell enclosing a heating chamber therein; insulating means adapted so as to insulate said shell; pebble inlet means and effluent outlet means in the upper portion of said heating chamber; pebble outlet conduit means in the lower portion of said heating chamber; a combustion chamber disposed about the lower periphery of said chamber; combustion gas conduit means communicating between said combustion chamber and points within the lower area of said heating chamber, said conduits being disposed in layers, the lowest conduits extending into the central portion of said chamber and the conduits in each added

layer being shorter than those in the next preceding lower layer, said conduits in each said added layer being smaller in vertical area than the conduits in the next preceding layer; and



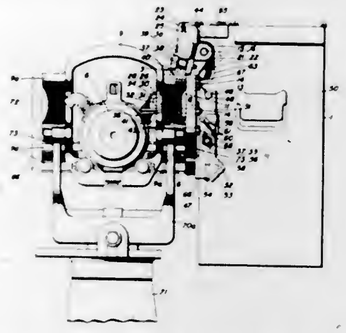
means to supply and burn combustible materials in said combustion zone, whereby hot combustion gas is formed, which gas passes inwardly through said gas conduit means and upwardly in said chamber, heating pebbles therein.

2,573,748
ACOUSTIC RANGING SYSTEM, INCLUDING MAGNETIC RECORDING
David H. Weinstein, Pasadena, Calif., and Morris Keiser, Long Branch, N. J., assignors to the United States of America as represented by the Secretary of War
Application January 25, 1944, Serial No. 519,638
4 Claims. (Cl. 181—0.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system for determining the position of a source of sound waves including a plurality of sound receivers disposed at trigonometrically determined points remote from said source, a corresponding plurality of magnetic recorders connected to said receivers, a corresponding plurality of endless magnetic tapes in recording relationship with respect to said recorders for producing a corresponding plurality of magnetic records of said sound waves on said tapes, a screen, means for reproducing on said screen said magnetic records as visible patterns of said sound waves, means for sequentially selecting equal portions of said magnetic records corresponding in time, means for sequentially and repeatedly connecting said selecting means to said reproducing means at a rate providing visual persistence for simultaneous simulation of said visible patterns on said screen, means for laterally displacing the base lines of said patterns on said screen, a calibrated time scale on said screen, means for shifting in unison the portions of said magnetic records selected by said selecting means, and means for shifting said scale together with said last mentioned shifting means.

2,573,749
MACHINE GUN AMMUNITION FEED
Phillip R. Wheeler, Alexandria, Va., Lee Morgan, United States Navy, and Frederick C. Schoening, Alexandria, Va.
Application April 3, 1945, Serial No. 586,429
11 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In combination with a machine gun having a cartridge feed opening and a gun cradle structure, a cartridge feed chute mounted on said gun cradle structure in communication with said cartridge feed opening and extending upwardly therefrom and having an inlet opening, an ammunition belt container supporting bracket mounted on said gun cradle structure and disposed adjacent to said feed chute, an ammunition belt container, means removably mounting said ammunition container on said supporting bracket, the upper portion of said container having a lateral discharge opening therein disposed in operative communication with said inlet opening of the feed chute, a sprocket mounted in the cartridge feed chute at the inlet opening thereof, an external crank attached to the sprocket, and means in the ammunition container for holding the ammunition belt so that a cartridge in the belt is engaged by the sprocket with the ammunition container in place on its supporting bracket.

2,573,750
CRYSTALLIZED FRUIT SPREAD AND PROCESS FOR MAKING SAME
Jonathan W. White, Jr., Willow Grove, Pa., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application February 28, 1950, Serial No. 146,913
17 Claims. (Cl. 99—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

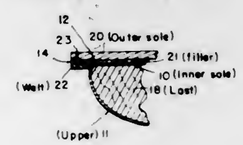
1. The process of producing a smooth-textured, non-gelled, fruit-sugar composition which comprises forming a mixture of a fruit component, containing an aqueous solution of fruit juice solids and at least a portion of the flavor constituents of the fruit juice, with a sugar component consisting essentially of invert sugars in a weight ratio of at least one part levulose to one part of dextrose, evaporating the mixture

to a solids content of about 80–86 percent, initiating crystallization of the evaporated mixture by contacting it with crystalline dextrose hydrate and allowing crystallization to proceed at a temperature below 100° F.

2,573,751
OXIDATION OF PETROLEUM HYDROCARBONS
Eric R. Woodward, New York, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application August 28, 1947, Serial No. 771,158
6 Claims. (Cl. 196—142)

1. A process for the oxidation of petroleum hydrocarbons which comprises blowing a hydrocarbon containing not less than eight carbon atoms per molecule, while at substantially atmospheric pressure at an elevated temperature not exceeding 100° C. with a mixture of chlorine dioxide and air in which the partial pressure of the chlorine dioxide is within the range of 5 to 30 mm.

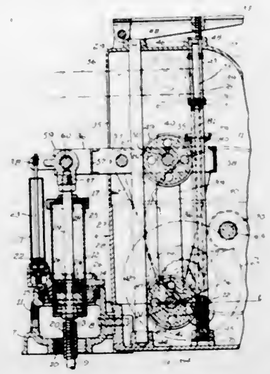
2,573,752
METHOD OF MANUFACTURING WELTED SHOES
Roy F. Wolfskill, Richland, and John Mellor, Palmyra, Pa.
Application January 19, 1948, Serial No. 3,036
2 Claims. (Cl. 12—142)



1. The improvement in the art of manufacturing welted shoes, which consists in providing a precision cut insole and an upper blank, inseaming the upper blank to the upper face of the insole along the margin thereof prior to lasting and in such manner as to provide an outturned upper flange extending beyond the marginal edge of the insole, slip-lasting the upper and attached insole on a last, assembling an outsole against the exposed under face of the outturned upper flange, assembling a welt on the exposed upper face of the outturned upper flange, and securing outsole to welt and upper flange by stitching.

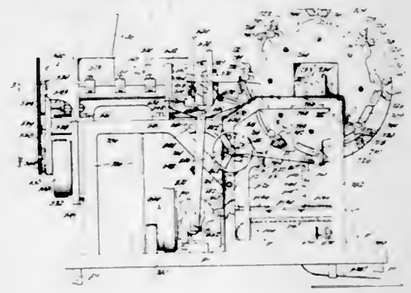
2,573,753
DEEP-WELL WORKING HEAD
Le Roy R. Young and Mills E. Spangberg, Freeport, Ill., assignors to Woodmanse Mfg. Co., Freeport, Ill., a corporation of Illinois
Application November 7, 1946, Serial No. 708,356
12 Claims. (Cl. 74—44)

1. In a working head, comprising a housing, a pair of parallel vertical guide rods therein, and power operated gearing in said housing adapted to be operatively connected with a load member to reciprocate the same relative to said guide rods, the improvement comprising a load member adapted to be operatively connected with said gearing and comprising spaced parallel side walls disposed on opposite sides of the plane of said rods carrying vertically spaced guide rollers therebetween confined between and running on said rods, the side walls of said load member having substantially coplanar portions extending laterally from said housing to carry the load on the outer ends thereof, and a pitman rod adapted to be reciprocated by said gearing and pivotally connected to the laterally extending portions of



the side walls of said load member at a point between the adjacent guide rod and the point of attachment of the load on the outer end of said portion to reciprocate the load member.

2,573,754
PRETZEL DOUGH EXTRUDING AND ROLLING MACHINE
William M. Young and Lemon Blair Paules, Harrisburg, Pa.
Application October 28, 1944, Serial No. 560,852
10 Claims. (Cl. 107—13)

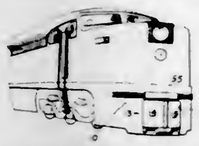


5. In a pretzel forming machine, dough rolling means comprising a frame, a cylinder rotatably mounted on said frame, a series of hingedly connected and contiguous arcuate segments mounted on said frame and partially encircling the cylinder in spaced relation thereto, the segment at one end of the series being secured against movement circumferentially of the cylinder, and means for adjusting the respective distances of the hinged connections from the cylinder.

2,573,755
LOCOMOTIVE SHROUD CLOSURE
Roy F. Abell, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application February 14, 1948, Serial No. 8,349
11 Claims. (Cl. 105—2)

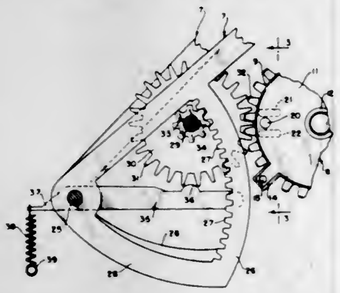
1 A closure for a stream-lined locomotive shroud comprising a pair of door units shaped to

conform substantially to the curvature of the shroud, and a carrier member for each unit pivotally mounted at its inner end to the locomotive structure and having its outer end in pivotal connection with the door unit intermediate the door's



lateral ends so that the door is swingable in relation to the carrier, each of said carrier members being swingable laterally to move the door unit into either open or closed position so that the door unit will conform substantially to the curvature of the shroud in either position.

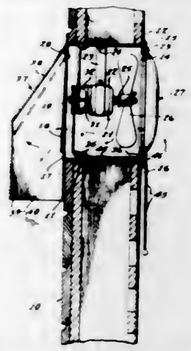
2,573,756
TYPESETTING MEANS IN LAUNDRY MARKING MACHINES
Joseph F. Anderson, Denver, Colo., assignor to Burr Watson & Associates, Inc., Denver, Colo., a corporation of Colorado
Application April 23, 1947, Serial No. 743,263
3 Claims. (Cl. 101—95)



1. In a marking machine having a plurality of rotatable members each provided with printing type on the peripheral portion and all being rotatable on a common axis, a plurality of pivoted levers mounted on a common shaft, gearing means between each lever and a type carrying rotatable member for rotating the latter to selected positions, and means cooperating with teeth of the gearing means between each lever and a rotatable member for yieldably holding a rotatable member in any selected position, each of said last named means comprising an arm pivoted on the pivot shaft of the levers and having a portion for partial reception in the space between gearing teeth to permit rotation of the gearing means in either direction, and spring means acting on the arm and yieldably opposing the movement of the arm portion from said partial reception position, said arms being alternately arranged with the levers.

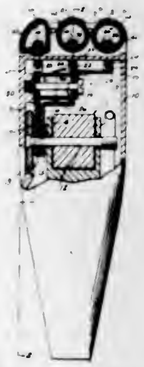
2,573,757
VENTILATOR
Carman F. Aylesworth, Ferndale, Mich.
Application January 20, 1948, Serial No. 3,350
2 Claims. (Cl. 161—1)

1. The combination with a circuit closer and breaker adapted to be mounted overhead, rotatable mechanism for operating said closer and breaker to closing position upon manual rotation of said mechanism in a setting direction to selectable setting positions, timing means for returning said rotatable mechanism from its setting position to a zero position, said rotatable mechanism being operable upon reaching such zero position to operate said closer and breaker to circuit breaking position, of a rotatable pulley operatively connected to said rotatable mecha-



nism for rotating the latter in its setting direction, and a flexible member having one end depending from said pulley and having the other end partially trained over said pulley and secured to the latter, said flexible member being provided with a plurality of colored elements arranged in spaced relation inwardly of said one end, spacing between adjacent colored elements representing the time interval of rotative return travel of said rotatable mechanism.

2,573,758
DRY SHAVER
Theodore Bailey, Habana, Cuba
Application February 13, 1948, Serial No. 8,218
3 Claims. (Cl. 30—43)



1. In a dry shaver including a longitudinal casing adapted to serve as a handle, a plurality of spaced shear heads arranged transversely of said casing adjacent one end thereof, and a cutter mounted in each of said shear heads for reciprocatory movement with respect to said head, a drive mechanism operatively connected to said cutters for effecting the reciprocatory movement thereof, said drive mechanism comprising a transversely disposed drive shaft arranged within said casing, a pair of eccentrics arranged in face to face relation and displaced 180° with respect to each other and mounted on said drive shaft for rotation therewith, a stub shaft arranged in parallel spaced relation with respect to said first shaft within said casing and fixedly supported in said casing, a first lever arranged longitudinally of and within said casing and supported on said stub shaft intermediate its ends for rocking movement therearound, one end of said first lever being connected to one of said eccentrics and the other end being connected to the cutter of one head adjacent thereto, a first collar circumposed about said stub shaft and having one end fixedly secured to said first lever, a second lever arranged longitudinally of and within said casing and having one end connected to the other of said eccentrics, a first arm arranged transversely of said second lever and having one end secured to the other end of said second lever, a second arm arranged longitudinally of and within said casing and having one end secured to the other end of said first arm and having the other end connected to the cutter of another head adjacent thereto, said second arm being supported on said stub shaft intermediate its ends for rocking movement therearound, a second collar circumposed about said stub shaft and facing said first collar and having one end fixedly secured to said second arm, and embracing means on the other end of one of said collars and slidably engaging the other end of the other of said collars for securing the other ends of said collars together to thereby form a closed housing for receiving a charge of lubricant.

2,573,759
ANIMAL TRAP
John Blatchford, Shobrooke, Crediton, England
Application March 20, 1948, Serial No. 16,133
In Great Britain March 28, 1947
14 Claims. (Cl. 43—76)

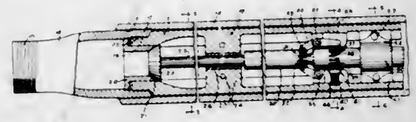


7. Apparatus for trapping animals, birds and like creatures, comprising a main cage with an entrance thereto, a trapping runway having an outer trapping entrance and arranged to lead to the entrance of said main cage, a tiller member pivoted upon an axis extending across said runway so that said tiller member forms a tilting floor to said runway, said tiller member being arranged so as normally to tilt downwardly towards said trapping entrance to said runway and alternatively to be downwardly inclined towards the entrance to said main cage, a closure means pivoted adjacent its inner end and having a swinging outer end adapted to swing down into and close the trapping entrance and alternatively to be maintained in an outer, upper position which leaves the trapping entrance open, and a lever system which is operatively associated with the said closure means inwardly beyond its inner pivoted end and adapted to be operated by the tiller member, the parts being arranged and interrelated so that the forward or entry end of the said tiller member is adapted to be depressed incidental to the weight of a creature resting thereon thus to cause the said closure member to shut the trapping entrance to the runway and trap the creature therein, and furthermore to rise as the trapped creature moves along the said tiller towards the rear end thereof and in thus rising to re-set the closure member in the open position while causing the trapped creature to move away from the said tiller and pass through the said entrance to said main cage.

2,573,760
MECHANICAL COMPASS PENCIL
Lloyd G. Cherne, Minneapolis, Minn.
Continuation of application Serial No. 743,934, April 25, 1947. This application April 8, 1949, Serial No. 86,317
4 Claims. (Cl. 33—27)

1. In a mechanical pencil having a body portion having one end open, a rotatable cup for closing the open end of said body portion, clamping means supported in said cup, a compass leg having one end pivotally connected to said clamping means and said body portion for movement into and out of nested relationship with respect to the body portion, and means on the inner face of said cup frictionally engageable with said clamping means upon rotation of said cup in one direction to thereby preclude movement of said pivoted end of said leg and disengageable from said clamping means upon rotation of said cup in the opposite direction to thereby permit movement of said pivoted end of said leg.

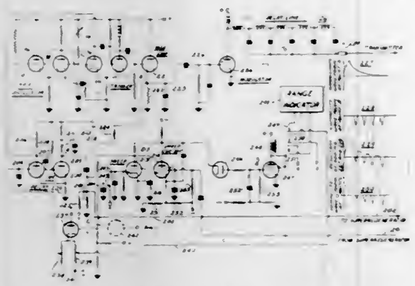
2,573,761
VALVE
Marcie R. Firth, Rodessa, La.
Application May 14, 1946, Serial No. 669,665
1 Claim. (Cl. 137—53)



In a valve assembly, a skeleton frame member having a tapered valve seat adjacent one end thereof, a valve positioned within said skeleton frame member adjacent the valve seat and mounted for movement toward and away from said valve seat, a valve stem positioned within said skeleton frame member in alignment with said valve and having one end fixedly secured to said valve, said valve stem being provided with a circumferential groove adjacent to and spaced from said one end, a pair of oppositely disposed bell crank members extending longitudinally of said valve stem and positioned within said skeleton frame member adjacent the groove in said valve stem, said bell crank members being each pivotally connected intermediate their ends to said skeleton frame member, one leg of each of said bell crank members carrying a transversely disposed roller engageable with an adjacent portion of said groove, a transversely disposed rotatable screw positioned adjacent the other leg of each of said bell crank members, a coil spring having one end supported on each of said screws and having the other end in contacting engagement with the other leg of the bell crank member adjacent thereto to thereby bias the roller carried by said one leg of said adjacent bell crank

member into contact with said groove and maintain the valve stem in a position such that the valve is in seating relation with said valve seat.

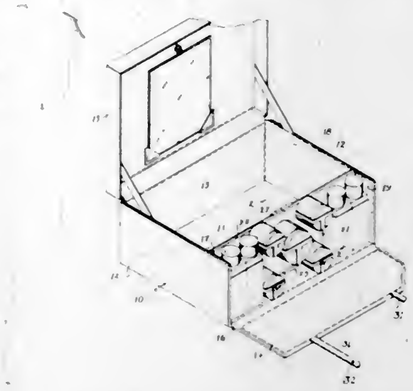
2,573,762
RADAR RECEIVER SENSITIVITY CONTROL SYSTEM
Albert L. Free and De Bremond B. Hoffman, Philadelphia, Pa., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 27, 1946, Serial No. 657,404
6 Claims. (Cl. 343—7)



1. In a radio ranging system, a transmitter of time-spaced pulse signals, a superregenerative receiver including an oscillatory circuit and means responsive to control signals of variable magnitude supplied thereto to vary the conductance of said oscillatory circuit throughout a range including positive and negative values as a function of the variations in magnitude of said control signals, a producer of other pulses for controlling the conductance of said oscillatory circuit, means for controlledly varying the time phases of said other pulses with reference to said transmitted pulses to produce controlledly phased unquench pulses, a source of a signal of recurrent waveform, whose values upon the occurrence of said controlledly phased unquench pulses are a predetermined function of said time phases thereof means supplied with said controlledly phased unquench pulses and responsive to said signal of recurrent waveform to modify the magnitude characteristics of said unquench pulses in accordance with the instantaneous magnitude of said recurrent waveform at the occurrence of said unquench pulses, and means for supplying said modified unquench pulses to said conductance varying means to render the conductance of said oscillatory circuit negative during intervals substantially coextensive with said modified unquench pulses to an extent which is dependent upon the modified magnitude characteristics of said unquench pulses, whereby to render said receiver receptive to reflections of said transmitted pulses from target objects during intervals substantially coextensive with said modified unquench pulses and to control its sensitivity during said intervals as a function of said modified magnitude characteristics.

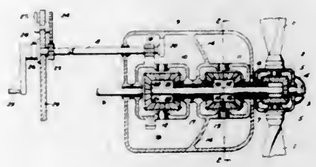
2,573,763
FITTED TRAVELING CASE
Elizabeth N. Graham, New York, N. Y.
Application July 16, 1947, Serial No. 761,286
4 Claims. (Cl. 190—51)

1. A traveling case of the character described comprising a receptacle having a bottom and an upright side wall hinged to said bottom, a partition within said receptacle parallel to said upright hinged wall and dividing said receptacle into compartments, a rack having receptacle receiving portions on one of its faces, said rack



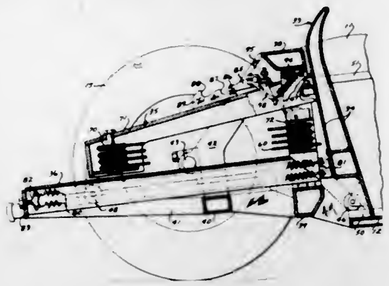
being arranged in upright position within the compartment having said hinged wall and against said partition, means for securing said rack to said partition, and means for securing said hinged wall in upright position to said partition.

2,573,764
VARIABLE PITCH PROPELLER
Carl J. Green, Oak Ridge, Tenn.
Application June 7, 1947, Serial No. 753,287
3 Claims. (Cl. 170—160.48)



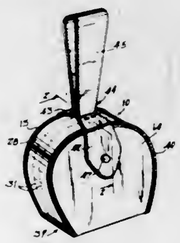
1. Variable pitch propeller mechanism comprising a drive shaft connected to be driven from the engine, an adjusting shaft coaxial with said drive shaft and rotatable with respect thereto, a propeller having a hub and blades pivotally mounted on said hub for rotation about a transverse axis, said hub having axially spaced bearings on opposite sides thereof, one of said bearings journalling said adjusting shaft and the other of said bearings journalling said drive shaft, a pair of axially spaced bevel gears disposed within said hub, one of said bevel gears being rigidly attached to said adjusting shaft and having a central aperture for accommodating said drive shaft, and the other of said bevel gears being rigidly attached to said drive shaft, a pair of transversely spaced bevel gears also disposed within said hub and engaging said axially spaced bevel gears, one of said transversely spaced bevel gears being rigidly attached to one propeller blade and the other of said transversely spaced bevel gears being rigidly attached to the other of said propeller blades, and manually controllable adjusting gearing external to said hub adjustably interconnecting said drive shaft and said adjusting shaft.

2,573,765
LATCH MECHANISM FOR CARRY TYPE SCRAPER EJECTORS
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application May 24, 1947, Serial No. 750,284
2 Claims. (Cl. 37—129)



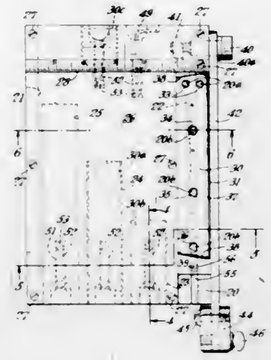
1. In a scraper having a bowl for the reception of earth and ejector mechanism for discharging earth from the bowl, latch means for holding the ejector mechanism in inoperative position comprising a shaft rotatably carried by the bowl, a latch lever supported for limited swinging movement on the shaft and engageable with the ejector, resilient means interposed between the shaft and latch lever to bias the lever toward its engaged position, a second resilient means tending to rotate the shaft and latch lever toward said engaged position, and means to turn the shaft in opposition to said second resilient means for releasing the latch.

2,573,766
HANDBAG CONSTRUCTION
Sidney Hyman, New York, N. Y.
Application August 16, 1949, Serial No. 110,600
3 Claims. (Cl. 150—28)



1. In a ladies' handbag, a vertically extended partition structure, and an elongated perimetral shell for engagement about the periphery of said partition structure, said perimetral shell having edge portions bent inward, each of said edge portions being of a width corresponding to one-half the width of the remaining portion of said perimetral shell minus one-half the thickness of said partition structure, so constructed and arranged that when said edge portions are bent inward the inner edges of said edge portions will be spaced a distance equal to the thickness of said partition structure to receive the peripheral edges of said partition structure.

2,573,767
DEVICE FOR RE-FORMING METAL TILES
Charles J. Jensen and Maurice E. Lawyer, Washington, N. J., and Henry A. Simpson, Oviedo, Fla., assignors to Vikon Tile Corporation, Washington, N. J., a corporation of New Jersey
Application August 17, 1949, Serial No. 110,824
2 Claims. (Cl. 153—2)

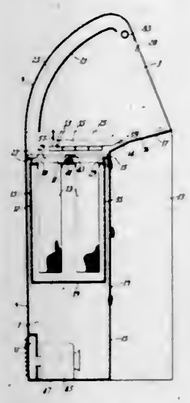


1. In a device for re-shaping sheet metal tiles having flanged edges, a base having an elongated straight edge, a cutting blade pivoted to said base and having a cutting edge swingable in a substantially planar path past said straight edge of said base, and a forming blade detachably mounted on said base for cooperation with said cutting blade, comprising an elongated plate member with a bevel spaced from one lateral edge a distance approximating the thickness of the tile forming sheet metal by a step of appropriate depth, said bevel being complementary with the original edge flanges of said tiles and parallel with the straight edge of said base, and a pair of end bevels similar to the aforesaid bevel leading from the ends of said first named bevel, said cutting blade when cutting a new edge simultaneously forming adjacent edge portions over said bevels to form edge flanges while progressively severing the sheet material forming said tiles.

2,573,768
DUST COLLECTING APPARATUS
David Webber Kestell, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 28, 1950, Serial No. 158,696
In Great Britain May 11, 1949
4 Claims. (Cl. 183—75)

1. In a dust collecting apparatus, a suction dust hood having a front opening communicating with a downwardly directed throat, a tray partially blocking the throat for receiving and rendering readily recoverable such dust as settles upon it from a current of dust laden air passing down through the throat, and a support upon which the tray is movable forwardly and rearwardly across the throat, the dimension of the tray in the direction of its movement being less than the corresponding dimension of the throat to leave an unblocked path rearwardly of the tray when the tray is in a forward position on its support and forwardly of the tray when the tray is in a rearward position, said tray serving when

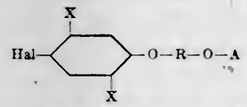
in its forward position to cause the current of dust laden air to pass over it and deposit dust



upon it and when in its rearward position to cause the current of dust laden air to by-pass it.

2,573,769
HERBICIDE
Joseph A. Lambrech, South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application January 4, 1949, Serial No. 69,245
10 Claims. (Cl. 71—2.6)

3. A material of the formula



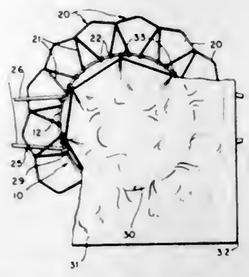
in which "Hal" is a member of the group consisting of chlorine and bromine, "X" is a member of the group consisting of hydrogen, chlorine and bromine, "R" is a member of the group consisting of $—CH_2CH_2—$ and

$$—CH_2CH_2—O—CH_2CH_2—$$

and "A" is the completely neutralized residue of a member of the group consisting of sulfuric acid and phosphoric acid and contains a member of the group consisting of an amine, Na, K, Ca, Ba, Mg and NH_4.

2,573,770
HANDBAG
Leon E. Meadow, New York, N. Y.
Application March 3, 1951, Serial No. 213,764
5 Claims. (Cl. 150—28)

4. A lady's handbag comprising, in combination, an open-work receptacle frame section including a bottom, rigid lattice work side walls, a horizontal rib at the upper edge of the side walls and closure elements pivotally secured on said rib and arranged to interengage for simultaneous movement upon movement of any of them and handle means comprising a pair of handle elements, each of approximately U-shape and having spaced leg portions each pivotally secured by its end to said upper rib, with one of said leg portions overlying said closure elements and the other of said leg portions underlying said closure elements, whereby movement of a handle in any direction will actuate said closure elements for movement in a similar direction, and a pouch within said frame section, said pouch comprising a substantially rectangular textile fabric section disposed in cupped arrangement within said



frame section and secured to said horizontal rib along points arranged approximately circularly over the central portion thereof, whereby the marginal portions of said fabric section are detached from said frame section and free to form a cover for the pouch formed thereby.

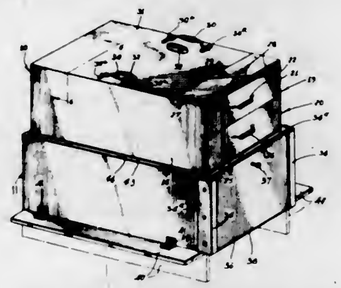
2,573,771
AUTOMATIC RELEASE HITCH ASSEMBLY
Frank Novak, Hartford, Wis.
Application May 3, 1949, Serial No. 91,121
3 Claims. (Cl. 280—150)



1. A releasable hitch for securing a trip rope to a tractor plow or similar farm implement to a tractor comprising a base plate formed with a longitudinal slot therein, a second plate overlying the rear end of said base plate spaced outwardly therefrom, said second plate having a longitudinal slot in registry with the slot of said base plate, a lever slidably and pivotally engaged in said slots, a pivot pin fixed on said lever slidable between said slots, a latch on said base plate forwardly of said slot, one end of said lever being slidably engaged in said latch in the closed forward position thereof, and spring means engaging the other end of said lever biasing said lever to a forward closed position and an outwardly-extending open position after initial disengagement from said latch.

2,573,772
SMOKE BOX FOR SMOKING MEAT, FISH, OR POULTRY
Paul Nysten, Flushing, N. Y.
Application October 21, 1948, Serial No. 55,714
2 Claims. (Cl. 99—259)

1. A portable apparatus for hot-smoking raw food, comprising a smoker constituted by a housing having an open top framingly surrounded by an inturned ledge-providing shelf carried by said housing, a food-containing cabinet constituted by a second housing having an open bottom, withdrawable grill-like food supporting means in the cabinet, and means partially carried by said shelf and partially carried by said cabinet at its open bottom, said means including an endless element so placed and retained on said shelf that with the cabinet resting merely by its own weight on the smoker the cabinet bottom entirely perimetrally thereof may engage said element in substantially a smoke-tight manner, said two housings being wholly separable one from another and the interior dimensions of the smoker being such that the cabinet is wholly receivable in the smoker, said cabinet at its front end having an opening, and said grill-like supporting means including a pair of drawers having front plates which coact fully to close said opening when both drawers are fully inserted in the cabinet, each of said drawers



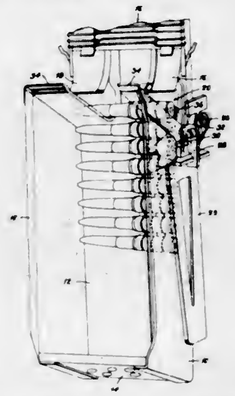
having a grill-type bottom, said drawers being one above the other and there being slideway means for the drawers carried interiorly of the cabinet and so spaced that with both drawers fully inserted the bottom of the lower drawer is near the bottom of the cabinet and the bottom of the upper drawer is higher than the level midway between the top of the cabinet and the bottom of the other drawer, said cabinet having a gate movably mounted thereon for redisposition to close the upper part of said opening when only said lower drawer is in the cabinet, there being collapsible means for raising the bottom of the smoker, said means including wings pivotally connected to the smoker near its bottom.

2,573,773
EXPANSIBLE CLOTH AND METHOD OF MAKING IT
William Wallace Rowe, Cincinnati, Ohio, assignor to Cincinnati Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
Application November 12, 1948, Serial No. 59,619
14 Claims. (Cl. 154—33.05)



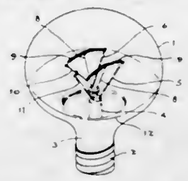
11. A process of contracting cloth which comprises applying to a creping cylinder a layer of adhesive substance of viscous character and bringing cloth into contact with said layer in such a way as to bind to the creping cylinder only the outermost portions of the threads of said cloth where they cross other threads therein, leaving the threads elsewhere and in major portions of their length unbound to the creping surface and to each other where they cross, and removing said layer and said cloth from said creping cylinder by means of a doctor whereby to contract said layer by displacement and to contract said cloth by crowding the threads thereof together and producing increased sinuosity in unbound portions of certain at least of said threads.

2,573,774
AMMUNITION CONTAINER
Robert N. Sandberg, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 12, 1948, Serial No. 7,751
2 Claims. (Cl. 89—34)



1. A stationary ammunition container of box-like structure with an outlet opening, for use with machine guns, comprising, in combination, a plurality of walls, shelves on opposite walls inclined downward to a position below said opening an arranged to carry the cartridges of a disintegrating link cartridge belt hung in festoons slidable downward thereon with the last cartridge of the belt resting on the shelves in an easily accessible position for attachment of another belt section thereto, and stop faces at one end of the shelves for supporting in succession the top cartridges of successive festoons as the top cartridges of preceding festoons are lifted from the stop faces to move upward through the outlet opening.

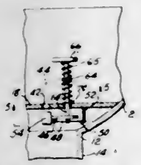
2,573,775
INCANDESCENT LAMP FOR ASYMMETRICAL LIGHT DISTRIBUTION
Charles E. Schwenger, Toronto, Ontario, Canada, assignor to Toronto Electric Commissioners, Toronto, Ontario, Canada
Application February 13, 1948, Serial No. 8,094
2 Claims. (Cl. 313—113)



1. An incandescent lamp for asymmetrical light distribution, comprising a base, a spherical evacuated envelope integral with said base, an inwardly reflecting coating covering the portion of said envelope adjacent said base, a pair of longitudinal light-emitting filaments supported within said envelope and spaced symmetrically either side of the physical and optical centre of said envelope and out of the path of any ray concentrations reflected from said coating to prevent secondary heating of said filaments, and conductors leading from said filaments through said

base to permit the passage of an electric current through said filaments to raise said filaments to incandescence, said filaments being substantially parallel and each being coplanar throughout its length forming a substantially point light source directing light in the direction of its length and forming a longitudinal light source directing a maximum of light right angularly of its length whereby said filaments provide an elliptical light distribution.

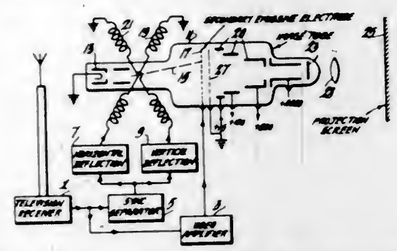
2,573,776
CIGARETTE ASH STAND
John Dwight Shockey, San Antonio, Tex.
Application August 27, 1946, Serial No. 693,350
2 Claims. (Cl. 131—237)



2. In a combined cigarette stand and ash receptacle including a floor and means on said floor for disposal of smoker's refuse, a cigarette extinguishing means disposed adjacent the under surface of said floor and operable exteriorly of the latter, said means comprising a pair of horizontally disposed arms arranged in facing relation with respect to each other and mounted below said floor for horizontal swinging movement into and out of engagement with the lit end of a cigarette when placed therebetween, resilient means operatively connected to said jaws for normally urging said jaws out of engagement with each other and for freeing the snuffed out cigarette so as to permit it to fall into the stand underneath upon releasing said jaws after movement of the latter into engagement with each other, and hand actuable means arranged exteriorly above said floor and operatively connected to said jaws for effecting the movement of said jaws, said last named means comprising a vertically disposed plunger slidably mounted in said floor, a push button carried by the upper end of said plunger, and link means operatively connected to the lower end of said plunger and to said jaws, there being an aperture in said floor for the insertion of a cigarette therethrough whereby the lighted end of said cigarette can be mashed as said jaws are moved toward each other.

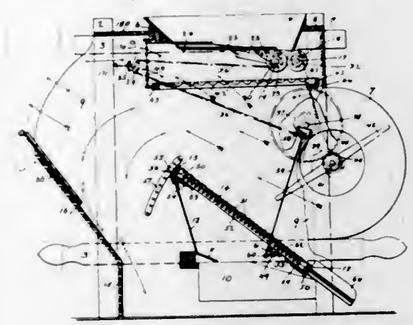
2,573,777
TELEVISION SYSTEM
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 24, 1947, Serial No. 743,487
11 Claims. (Cl. 178—5.4)

1. An image reproducing device comprising in combination an electrode to emit electrons from elemental areas thereof by secondary emission, said electrode having separate selective and intermingled groups of interpositioned, electrically interconnected and electrically conductive elemental areas extending across substantially all the area of said electrode, an electron lens system positioned in the path of said electrons, a luminescent screen having separate and intermingled groups of interpositioned elemental areas covering substantially all the area of said luminescent screen, and whose elemental areas are in substantial registry with the electron image of the corresponding elemental areas of said electrode, a conductive grid positioned between said electrode and said screen, said grid connected to a point of fixed potential, means for developing a scanning raster on said elec-



trode, and means connected to said electrode to control the magnitude of flow of electrons independently from each group of elemental areas of said electrode to the corresponding group of elemental areas of said luminescent screen.

2,573,778
GRAIN OR SEED CLEANER
Gustav Unterberg, Edmonton, Alberta, Canada
Application March 5, 1947, Serial No. 732,499
3 Claims. (Cl. 209—318)

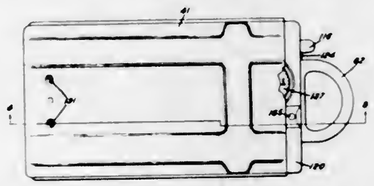


3. An apparatus of the class described comprising a housing closed by two side walls; means supported by said housing to close the top thereof; an adjustable upper wire screen supported within said housing; an inclined second wire screen pivoted at its lower end to said housing well below said upper screen; a closed chamber below said lower screen embracing the side walls; a sand box at the bottom of said chamber; a sand board hinged at its upper end to the upper end of said lower screen and resting on said sand box and means whereby the inclination of said lower screen and sand board may be simultaneously manually altered to maintain an air current of uniform and constant strength through said housing.

2,573,779
COLOR STABILIZERS
Ernest L. Walters, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 10, 1944, Serial No. 530,408
8 Claims. (Cl. 252—386)

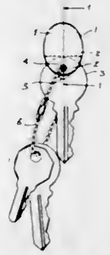
3. A composition of matter comprising a predominant amount of an aromatic amine in contact with a minor amount, sufficient to prevent color deterioration of said aromatic amine, of disalicylal ethylene diamine and an oxidation inhibiting amount of 2,4 - dimethyl - 6 - tertiary butyl phenol.

2,573,780
FILM MAGAZINE
John D. Wilson, New York, and Clarence Elwood Smith, Rochester, N. Y., assignors to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application September 14, 1949, Serial No. 115,646
18 Claims. (Cl. 95—30)



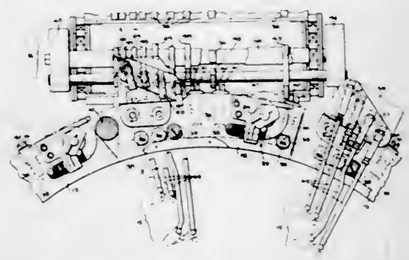
1. A removable film magazine comprising a casing having an exposure aperture therein at the front thereof, a drawer slidable into and out of the casing and adapted to hold a stack of plates, each of which carries sensitized material, said drawer having an aperture therein at its front large enough to permit feed of the plates successively therethrough to said exposure aperture, a dark slide slidable into and out of said drawer between said two apertures, means for effecting feed of the foremost plate in the stack through said drawer aperture to said exposure aperture when the dark slide is withdrawn, means operable, when both the dark slide and the drawer are withdrawn, for moving the plate, which is at the exposure aperture, to the rear of the casing, a reciprocable signal, means adapted to be engaged by the last plate in the stack, when all the plates are in the drawer behind the dark slide, for moving said signal in one direction, and means for constantly urging the signal in the opposite direction.

2,573,781
KEY SELECTOR AID
Donald W. Wishart, Toronto, Ontario, Canada
Application November 14, 1946, Serial No. 709,747
1 Claim. (Cl. 40—2)



The combination with a key retainer and a key, of a flat block having a pair of parallel faces and a slot cut into the periphery defined between said faces to a depth substantially less than the major dimension of said faces and extending from side-to-side of said block to define a clevis portion and a body portion larger than said clevis portion, the spaced arms of said clevis portion having an orifice therethrough adjacent the periphery of said block remote from the base of said clevis, said key having a shank and a head formed with an orifice displaced from the centre of said head towards the periphery remote from the shank, said retainer passing through the orifice of said block clevis portion and key head with said key head received between said clevis arms to secure said key in said clevis for rotational movement relative said block, the displacement of said key head orifice from the centre of said head and the displacement of said clevis orifice from the base of the clevis being such as to provide a jamming between said key head and clevis base when said key is rotated in either direction substantially less than 90° from a position with the longitudinal dimension of said key aligned with the major dimension of said block, but permitting free key movement between said jamming positions, said body portion presenting at said parallel faces substantial thumb and finger gripping areas extending beyond said key head and clevis portion.

2,573,782
NEEDLE ACTUATING MECHANISM FOR CIRCULAR KNITTING MACHINES
Rudolph E. Zeruneith, Philadelphia, Pa.
Application October 27, 1948, Serial No. 56,756
16 Claims. (Cl. 66—25)

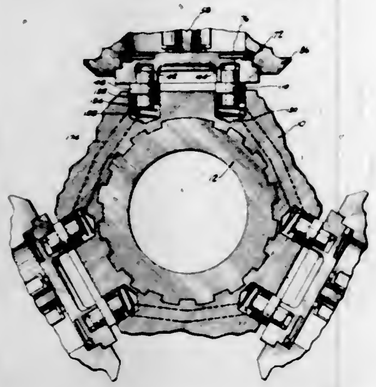


1. In a circular knitting machine of the type having a rotary cam ring and a movable cam associated therewith, means adapted to move said cam comprising a cylindrically shaped member rotatably journalled on the cam ring for actuating said cam, said member having an eccentric pin extending longitudinally from one end and a pair of diametrically spaced eccentric pins extending longitudinally from the opposite end thereof, said latter pair of pins being spaced equidistantly to either side of the longitudinal axis of said member.

2,573,783
PROPELLER PITCH CHANGE MOTOR
John E. Anderson, Portland, and Arthur N. Allen, Jr., East Windsor Hill, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application February 4, 1943, Serial No. 474,638, now Patent No. 2,533,415, dated December 12, 1950. Divided and this application October 9, 1945, Serial No. 621,224
9 Claims. (Cl. 170—160.33)

1. In combination with a controllable-pitch propeller having a plurality of blades and a blade retaining hub, individual motors for rotating said blades in pitch changing directions each comprising a hollow outer portion fixed in the hollow

root end of a blade, and an inner portion separate from said hub within said outer portion, said inner and outer portions being rotatable relatively to each other, recesses in said propeller hub, and a pair of lugs on each inner portion seated in said recesses in said propeller hub to restrain



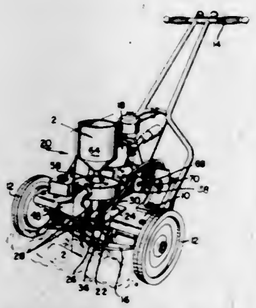
said inner portion against rotation relative to said hub, corresponding recesses in said inner motor portion and said hub member constituting a pair of recesses, and a tubular connector slidably received in each pair to provide flexible fluid connections between said hub member and said motor.

2,573,784

APPARATUS FOR DISPENSING MATERIALS

Charles T. Asbury, Fort Lauderdale, Fla.

Application January 10, 1950, Serial No. 137,846
5 Claims. (Cl. 275—8)



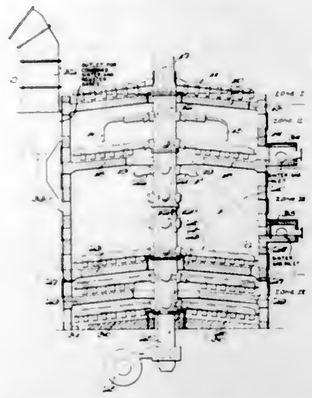
1. In a dispensing device; a generally horizontally disposed fan housing, a vertical shaft extending into said housing and an impeller on the shaft in said housing, said impeller having a back plate adjacent the upper wall of the housing and fan blades dependent therefrom, the upper wall of said housing being formed with a central opening coaxial with said shaft, a hopper mounted in said opening and a feed pin eccentrically mounted on said shaft and extending through said opening into the hopper, a plurality of air inlet apertures in the upper wall of said housing disposed about said opening and adjacent the periphery of said back plate, and a peripheral discharge opening in said housing, said inlet openings and discharge opening being screened.

2,573,785

APPARATUS FOR ROASTING SULFIDE ORES

Leon W. Booton, Copperhill, Tenn., assignor to Tennessee Copper Company, New York, N. Y., a corporation of New Jersey

Application March 17, 1947, Serial No. 735,149
10 Claims. (Cl. 266—20)



1. An apparatus for roasting finely comminuted sulphide ores comprising a drying hearth on which said ores are deposited, a primary roasting chamber, a flash roasting chamber, a source of heated air below said flash roasting chamber from which the heated air ascends through said flash roasting chamber, a hollow rotating shaft projecting through said hearth and chambers, rabble arms carried by said shaft and provided with rabbles to feed the ore particles through a drop hole in said drying hearth into said primary roasting chamber and through a drop hole in the hearth of said primary roasting chamber into said flash roasting chamber, blow pipes in said primary roasting chamber mounted on said hollow rotating shaft to throw the burning ore particles into momentary suspension, a plurality of nozzles in said flash roasting chamber mounted on said hollow shaft and projecting downwardly to discharge a stream of gas toward the junction of the hearth and the adjacent chamber wall, said nozzles being arranged below the drop hole in the hearth of said primary roasting chamber, sources of gas for said blow pipes and nozzles, and said flash roasting chamber being about twice as wide as deep and about twice as deep as said primary roasting chamber for suspension of the ore particles until desired desulphurization is effected.

2,573,786

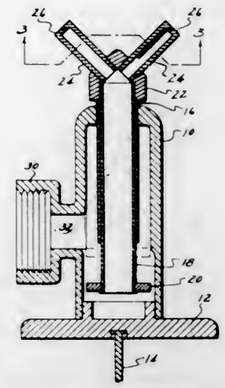
SPRINKLER

John E. Brodbeck and Ludwig J. Kading, Compton, Calif.

Application August 11, 1945, Serial No. 610,292
3 Claims. (Cl. 299—61)

2. In a water sprinkler, a vertical tubular housing having a water inlet port in its side wall intermediate its ends adapted to be connected to a source of water under pressure, said housing having a bore at its upper end, a sprinkler tube mounted for sliding movement in said bore and provided with sprinkler outlets externally of said housing, means reducing the cross-sectional area of the annular space in said housing around said tube in a region no higher than the region of said port relative to the cross-sectional area of said

annular space below said means, the inner end of said sprinkler tube, in inoperative position, be-



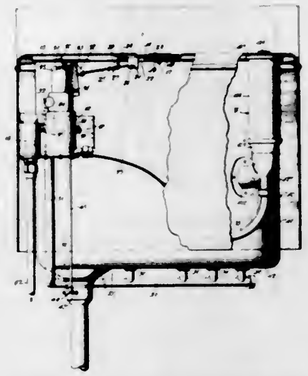
ing below the region of reduced cross-sectional area, and an external flange on said sprinkler tube adjacent the inner end of the tube.

2,573,787

DETERGENT DISPENSER AND TIMER VALVE FOR DISHWASHING MACHINES

Carl de Ganahl, Trenton, N. J., and Charles C. Smith, Warrington, and Ira P. Romberger, Jr., Langhorne, Pa., assignors to Kaiser Metal Products, Inc., a corporation of California

Application February 20, 1948, Serial No. 9,796
7 Claims. (Cl. 134—98)



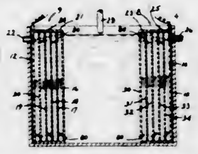
1. In combination with a dishwashing machine having means for receiving dishes therein and spray jets for directing water upon the said dishes, a timing device for determining the time the water flows to said jets and means including a dispenser for delivering detergent against the said dishes, said timer comprising a body having an internal cylinder provided with an inlet opening and an outlet opening, said inlet opening being connectable to a source of water under pressure and said outlet opening being connectable to said spray jets, a valve determining flow of water from said inlet to said outlet, a piston in said cylinder for operating said valve, means providing a restricted passageway for the flow of water from said inlet to said cylinder to urge the piston to move said valve to closed position, conduit means for connecting said cylinder to said dispenser including an exhaust opening in said cylinder through which the water acting on the piston to hold the valve closed may escape to thereby permit movement of the valve to open position, and said dispenser including valved means for delivering detergent to said second mentioned means and also including an exhaust valve in said conduit means which controls the escape of water from the exhaust opening of the cylinder, whereby the water escaping from the cylinder through said exhaust valve flows with the released detergent to said second mentioned means and thence against the said dishes.

2,573,788

ELECTROLYTIC CELL

William H. Furness, Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application November 27, 1948, Serial No. 62,272
8 Claims. (Cl. 204—257)



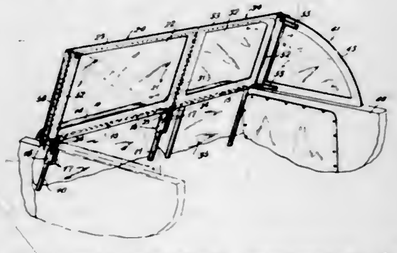
1. An electrolytic cell comprising a container, spaced plate-shaped electrodes, a plurality of spaced parallel plates of microporous liquid-pervious electrically non-conductive material parallel to and progressively spaced with respect to each electrode within a space between the electrodes, said plates adjacent each electrode being spaced from each side thereof facing toward an adjacent electrode, said container being in continuous contact with the side and bottom edges of the electrodes and the plates, each plate being provided with apertures remotely spaced from similar apertures through the immediately adjacent plates for passing a liquid in a serpentine path from regions intermediate the electrodes to the surfaces of the electrodes through the intervening plates, separate duct means positioned at a level near the tops of the plates and the electrodes and connected with the space between each electrode and the immediately adjacent plate for discharging the mixture of electrolyte and electrolytic products produced at the respective electrode.

2,573,789

REAR WINDSHIELD

Alvan Davis Gale, Beachwood Village, Ohio

Application November 30, 1948, Serial No. 62,764
7 Claims. (Cl. 296—85)



1. In a rear windshield construction for a motor car the front seat of which comprises a

non-tilting section and a forwardly tiltable section, a windshield panel carried by said non-tilting section extending upwardly therefrom, a second windshield panel carried by said non-tilting seat section extending upwardly behind said tiltable seat section when the latter is in normal operative position, said second panel being mounted to swing upon an axis adjacent an edge of the first named panel, and means for supporting the free edge of said swingable panel in its operative position.

2,573,790
VALVE REPAIR TOOL
Henry Herzog, Cleveland, Ohio
Application January 3, 1949, Serial No. 68,780
8 Claims. (Cl. 90—12.5)



6. A tool for use in repairing valve seats in casings provided with an opening alined with the seat comprising an adaptor having an axial bore and screw threaded conical external and internal surfaces for engagement with internal or external screw threads on the valve casing, a tube mounted to slide axially in said bore, said tube having a cylindrical end portion that has a slidable fit in said bore, a frame attached to the opposite end of said tube, a spindle journaled in said tube and held against axial movements therein, said spindle having a tool receiving portion projecting beyond said cylindrical end of said tube, a stop collar on said tube and engageable with said adaptor to limit movement of the tube and of the tool receiving end of said spindle toward the valve seat, a handle attached to said frame in axial alinement with said tube and spindle, a bevel gear attached to said spindle, a second bevel gear mounted in said frame and meshing with the first, and a hand crank connected to said second gear to drive the same.

2,573,791
HEAT APPLYING BANDAGE
John N. M. Howells, Kittery, Maine
Application April 19, 1947, Serial No. 742,657
2 Claims. (Cl. 128—82.1)

1. A heat applying bandage comprising an elongated flexible strip having at least the ends thereof provided with an adhesive layer on one face, a dressing located over a portion of said face of the strip intermediate the ends thereof, an impermeable imperforate enclosure disposed between said strip and the dressing, said enclosure containing an envelope of impermeable insoluble material having a perforate portion, a water-activatable dry exothermic mixture within said envelope, and porous means in said envelope



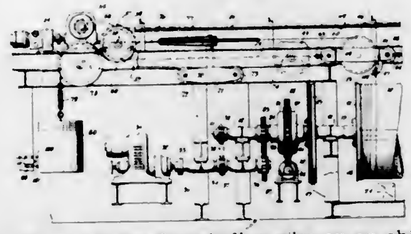
underneath the perforate portion to prevent said mixture from leaving the envelope through the perforations.

2,573,792
FUEL INJECTION PUMP
Svend Older Jakobsen, Haugesund, Norway
Application December 29, 1947, Serial No. 794,403
In Norway August 24, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 24, 1966
7 Claims. (Cl. 123—139)



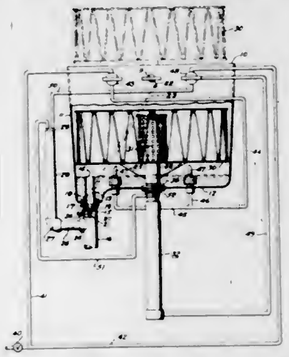
1. An oil admission valve for fuel pumps comprising in combination a cylindrical valve housing; a cylindrical valve chamber within said cylindrical valve housing; a rotatable valve body arranged within said cylindrical valve chamber slidably in axial direction; at least one oil conduit reaching from a point of the cylindrical surface of said valve chamber to the fuel pump to which oil is to be supplied; a recess in the surface of said rotatable valve body arranged so as to communicate during part of each revolution of said valve body with said fuel conduit; means combined with said recess for varying the length of communication of said recess with said fuel conduit depending upon the axial position of said rotatable valve body; means arranged within said valve body for admitting oil into said recess during rotation of said valve body; means for rotating said valve body; an oil pressure chamber arranged at one end of said valve body so that oil injected into said chamber under pressure is adapted to move said valve body in axial direction; first conduit means within said valve body adapted to connect during part of each revolution of said fuel conduit with said pressure chamber; second conduit means within said valve housing and said valve body connecting said pressure chamber permanently with said recess in said valve body; and means for adjusting the flow of oil through said second conduit means.

2,573,793
WIRE-WINDING APPARATUS
Hugh Foster Kennison, Bloomfield, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application July 4, 1945, Serial No. 603,178
10 Claims. (Cl. 242—11)



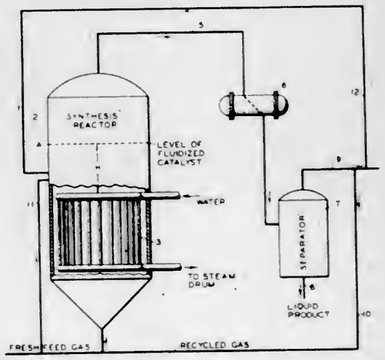
1. In apparatus for winding wire on an object, the combination of means for rotatably supporting an object, a rotatably supported drum, means for rotating said object-supporting means, differential gearing having one gear driven by said last-named means, a driving gear for said drum, and a differential member geared to engage both of said gears, means controlling the rotation of said differential member to control the speed of rotation of said driving gear and drum, and means acting on the wire intermediate said drum and object to apply and maintain a constant tension to the wire leaving said drum and passing to said object even though the length of wire between said drum and said object changes during a wire-winding operation.

2,573,794
DISHWASHING MACHINE
Oswald D. Kueneman, Berkeley, Calif., assignor to Kaiser Metal Products, Inc., a corporation of California
Application September 19, 1947, Serial No. 774,953
4 Claims. (Cl. 134—138)



1. In a dishwashing machine of the type wherein a single source of liquid under pressure is adapted to rotate and vertically reciprocate a dish-containing basket, the combination comprising a basket, a tub, a first drainage means in the bottom of the tub adapted to maintain a predetermined liquid level therein, a second drainage means adapted to receive discharge liquid at a level above said predetermined liquid level in said tub, a hydraulic cylinder mounted on the bottom of said tub with its upper extremity in fluid-tight engagement therewith, a shaft rotatably connected at one end to said basket and extending into said cylinder and having a piston at its other end, means for spraying liquid upon the basket and its contents, a single source for supplying liquid under pressure to said spraying means and to said cylinder, control means for alternately causing liquid to flow from said single source through a piping system to the one end of said cylinder to thereby actuate said piston and said shaft to raise said basket and then for causing discharge of said liquid from said cylinder only to said second drainage means through at least a portion of the said piping system through which the liquid enters said cylinder to thereby lower said piston and said basket and thus exert fluid pressure on not more than one side of the said piston, means including said portion of said piping system for directly connecting the one end of said cylinder to said second mentioned drainage means, and by-passing the other end of said cylinder and a conduit separate and apart from said last mentioned means for directly connecting said other end of said cylinder to said second mentioned drainage means and for discharging into said second drainage means that portion of the liquid within the said cylinder which seeps past said piston during the reciprocation thereof.

2,573,795
HYDROCARBON SYNTHESIS PROCESS
William C. Lanning, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 16, 1948, Serial No. 44,447
8 Claims. (Cl. 260—449.6)



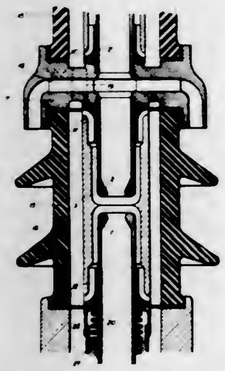
1. The method of effecting a catalytic synthesis reaction for the production of organic compounds which comprises passing a gaseous mixture of hydrogen and carbon monoxide upwardly through a single agitated dense turbulent fluidized bed of finely divided catalyst for the reaction having an observable upper level, at an elevated pressure and at catalyst-fluidizing conditions in a single vertical reaction chamber of sufficient elongation that two zones of differing temperature conditions can be maintained in said single turbulent bed of fluidized catalyst, maintaining the temperature within a lower zone of the fluidized catalyst bed adjacent to the point of introduction of said gaseous mixture to said cata-

lyst bed within a range suitable for the synthesis reaction, and maintaining the temperature of the remaining upper zone of the fluidized catalyst bed at a higher value and within a range suitable for the regeneration of said catalyst, the agitation and turbulence of said fluidized bed causing a constant interchange of catalyst particles between said lower synthesis zone and said upper regeneration zone of the bed whereby the synthesis reaction and the regeneration of the catalyst are effected simultaneously in the same single fluidized bed in said reaction chamber.

2,573,796
PRODUCTION OF CALCIUM SULFONATE SOLUTIONS
Harold E. Latier, Sinclair, Wyo., and Franklin M. Watkins, Flossmoor, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 27, 1948, Serial No. 40,982
6 Claims. (Cl. 260—504)

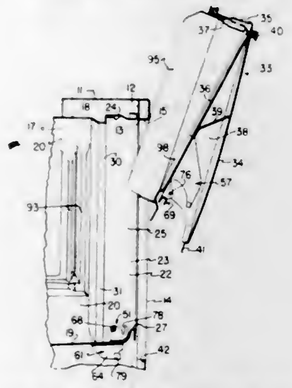
2. In a process for producing calcium sulfonates in petroleum oils, the improvement which comprises reacting a sulfuric acid-treated petroleum oil with calcium hydroxide in at least about 50 per cent excess of that required for complete neutralization in the presence of an amount of added water proportionate to the acid number of the acid-treated oil on the basis of 1 per cent to 2 per cent by weight of the acid-treated oil for an acid number of 14.2, allowing the reaction mixture to settle and separate into a concentrate layer of oil and calcium sulfonates and a supernatant layer of oil substantially free of sulfonates, separating said concentrate layer from said supernatant oil, and thereupon heating the concentrate to a temperature sufficient to effect its dehydration and filtering the dehydrated concentrate to remove unreacted calcium hydroxide.

2,573,797
SWITCH HAVING ONE OR MORE TUBULAR CONTACTS
André Latour, Grenoble, France
Application January 23, 1947, Serial No. 723,727
In France February 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 24, 1964
6 Claims. (Cl. 200—148)



3. In a gas blast switch, in combination, two axially aligned cylindrical contacts movable relative to each other and each having a contact surface for interengagement, at least one of said contacts being hollow to receive on its interior gases for discharge, a stationary member surrounding a portion of each of said cylindrical contacts but spaced from the exterior thereof to form therewith oppositely disposed communicating annular cylindrical chambers, one chamber adjacent each contact, each chamber adapted to conduct compressed gas emanating from a blast source to said contact surfaces in a direction opposite to the gas conducting direction of the other chamber, and partition means disposed in said chambers for controlling the flow of gas within the chambers.

2,573,798
INTERLOCKING DOOR HINGE
Frank D. Low, Chicago, Ill., assignor to Hotpoint Inc., a corporation of New York
Application November 23, 1948, Serial No. 61,633
8 Claims. (Cl. 312—315)



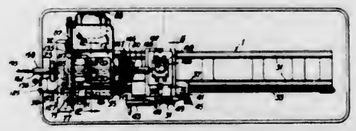
8. In cabinet structure including an upstanding doorway terminating in a substantially vertical front opening, said doorway having a bottom flange and opposed side flanges, said bottom flange being provided with an upwardly directed ledge extending between said side flanges and terminating adjacent to said front opening, and a door; the combination comprising hinge mechanism including first and second hinge elements respectively secured to said bottom flange and to said door for mounting said door for pivotal movements adjacent to the lower edge thereof about said ledge between a substantially vertical closed position and a substantially horizontal open position, said first hinge element including a base and a pair of upwardly directed spaced-apart arms, a pintle extending between and secured to the arms of said first hinge element, said second hinge element including a base and a pair of forwardly directed spaced-apart arms, a saddle carried by the lower end of the base of said second hinge element and engaging said pintle, a bumper member secured to said bottom flange and including a base and a pair of downwardly directed spaced-apart arms, a first abutment extending between and secured to the arms of said bumper member, a cooperating second abutment extending between and secured to the arms of said second hinge element, said abutments engaging and supporting the upper portion of said door projecting forwardly out of said doorway when said door occupies its open position, said saddle being disengageable from said pintle to permit complete removal of said door from said doorway when said door occupies an intermediate position with respect to its open and closed positions, the arms of said first hinge element having aligned locking slots formed therein, and a locking pin extending between and secured to the arms of second hinge element, said locking pin entering said locking slots and preventing disengagement of said saddle and said pintle when said door is moved from its intermediate position toward its open position.

2,573,799
APPARATUS FOR MAGNETICALLY MEASURING THICKNESS OF FERROUS PIPE
William R. MacLean, Brooklyn, N. Y.
Application April 23, 1946, Serial No. 664,183
7 Claims. (Cl. 175—183)



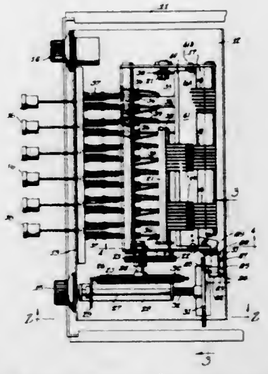
3. In an apparatus for measuring the thickness of the wall of a pipe from the inside, a primary coil located within said pipe, means for supplying said primary coil with alternating current, a secondary coil located within said pipe, said coils being co-axial with said pipe, and being mounted together to form a probe, a multi-conductor cable attached mechanically to said probe, one pair of wires of said cable being connected to said secondary coil, an amplifier-voltmeter combination for measuring the voltage induced in said secondary coil by the current flowing in said primary coil, said amplifier-voltmeter being of the logarithmic type and having both linear and logarithmic gain control, means including said pair of wires for connecting said amplifier-voltmeter to said secondary coil; the spacing between said coils being sufficient to cause said voltage to vary essentially exponentially with the thickness of said wall.

2,573,800
MACHINE TOOL
George E. Mallinckrodt, St. Louis, Mo.
Application January 17, 1948, Serial No. 2,858
14 Claims. (Cl. 90—33)



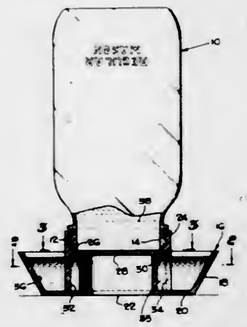
8. Internal broaching apparatus comprising a support for a work piece having an opening to be broached, a carriage movable relatively to the opening, an expansible broach comprising a tubular element movable through said opening, said tubular element having relieving slots and exterior teeth adjacent the slots, an axially movable expander within the tubular element, an interior portion of the tubular element adjacent the teeth and slots being engageable with said expander, a tubular support for the tubular element and extending to the carriage and being rigidly mounted thereon, an axially movable control rod for the expander and extending through said tubular support to the carriage, and a shift element therefor on the carriage which is movable relatively to the carriage in proportion to the movement of the carriage relative to the work piece.

2,573,801
TUNING CONTROL
Donald H. Mills and Norman F. Martin, Fort Wayne, Ind., assignors to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application September 20, 1946, Serial No. 698,370
7 Claims. (Cl. 74—10.33)



1. In a radio receiver, a combination comprising a rotatable tuning element having a relatively large driving wheel provided with a resilient rim, a manually rotatable tuning control shaft positioned at right angles to said wheel, the axes of said shaft and said wheel being in a common plane, a relatively small disk wheel mounted on said shaft for engagement with said resilient rim, spring means biasing said latter wheel against the resilient rim of said first wheel, a flywheel mounted on said shaft, pushbutton means for moving said tuning element to selected predetermined positions, and means movable through its entire excursion responsive to the initial movement of said pushbutton means for engaging said flywheel thereby to disengage said disk wheel from the rim of said first wheel.

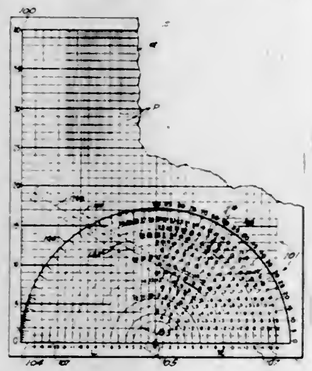
2,573,802
POULTRY WATER FOUNTAIN
Wiley D. Mitchell, Highgrove, Calif.
Application March 17, 1950, Serial No. 150,201
5 Claims. (Cl. 119—77)



1. In a drinking fountain, a base for a water reservoir, said base comprising: a floor portion for a reservoir; a water trough having a floor portion around said first mentioned floor portion; spaced walls interconnecting said floor por-

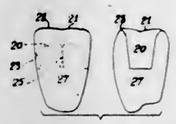
tions and forming a water passageway; a partition blocking said passageway; said water passageway being provided with an inlet for water from a reservoir; and said water passageway being provided with an outlet for flow of water from said passageway to said trough, said inlet and outlet being positioned adjacent to but on opposite sides of said partition.

2,573,803
INSTRUMENT FOR COMPUTING ARCUATE LENGTHS AND LENGTHS HAVING ARCUATE COMPONENTS
Albert T. Nash, Salt Lake City, Utah
Application December 30, 1947, Serial No. 794,548
2 Claims. (Cl. 235—61)



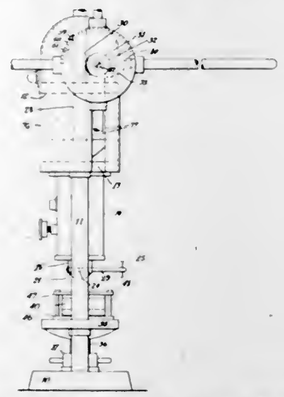
1. An instrument for computing arcuate lengths, comprising a board having a plurality of concentric spaced arcs represented thereon, a datum line intersecting said arcs radially, said arcs having indexed graduations representing units of length reckoned from said datum; and a swinging limb assembly consisting of a primary limb pivoted concentric with said spaced arcs and a secondary limb universally movable along, and transversely of, said primary limb in the common plane thereof.

2,573,804
PREFABRICATED ARTIFICIAL TOOTH RETAINING MEMBER
Irving Neustadter, Brooklyn, N. Y.
Application May 5, 1949, Serial No. 91,444
1 Claim. (Cl. 32—6)



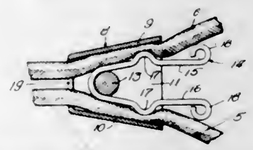
A pre-fabricated member for retaining artificial teeth in dental bridgework comprising an integrally preformed body of substantial U-shaped formation having a horizontally disposed transverse portion, the upper surface of which is formed to imitate the occlusal surface of a tooth, a smaller smooth under surface and inwardly sloping front and rear smooth surfaces joining said upper and under surfaces, vertically disposed mesial-distal side legs depending from said transverse portion at the sides thereof, said legs being thinner at the bottom than at the top and having outer curved surfaces and a supporting pin depending from the under surface of said transverse portion and spaced equidistantly between the said legs.

2,573,805
MACHINE FOR MAKING DENTURES
Irving Neustadter, Brooklyn, N. Y.
Application November 16, 1949, Serial No. 127,659
1 Claim. (Cl. 18—5.7)



In a dental machine of the character described, a movable plunger for injecting melted denture material from said machine into a dental mold and for compressing said material in the mold to form a denture, said plunger having an injection and a subsequent compression period of movement, mechanism for operating the plunger as aforesaid, said mechanism comprising an operating shaft, gearing means interposed between and operatively connected to said shaft and plunger for moving the latter when said shaft is rotated, a block member secured to the shaft, a housing enclosing said block member, springs interposed between the block member and the housing for yieldingly communicating a rotary movement of said housing to the block member, shaft and plunger, handles on the housing for rotating the same and means for automatically indicating the beginning of the compression period of the plunger during the rotation of the said housing, said last mentioned automatic means consisting of a fixed dial and an indicator rotatably mounted thereon.

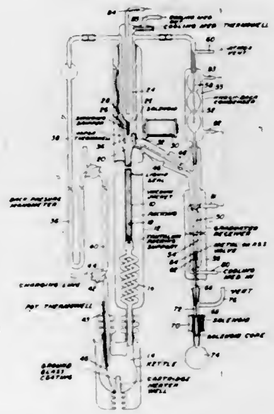
2,573,806
UNIDIRECTIONAL RESTRAINING DEVICE FOR A FASTENING CORD
Adeline E. E. Paterson, Chicago, Ill.
Application December 23, 1948, Serial No. 66,998
4 Claims. (Cl. 24—126)



1. A unidirectional restraining device for a fastening cord, comprising: a wedge shaped housing having open ends through which the ends of a fastening cord may be threaded, the smaller end

of said housing being flanged; a post in the housing adjacent the smaller end thereof; and a flat bifurcated spring spanning said post and retained for limited movement in said housing by said flanges and said post, the arms of said spring being provided with opposed external detents and having their ends projecting from the large end of the housing.

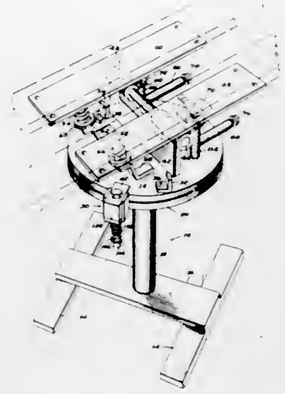
2,573,807
STILL
John Julius Piros, Gary, and John Albert Glover, Munster, Ind., assignors, by mesne assignments, to Sinclair Research Laboratories, Inc., Harvey, Ill., a corporation of Delaware
Application November 8, 1946, Serial No. 708,660
1 Claim. (Cl. 202—153)



In a laboratory still for the fractional distillation of mixtures of liquids of different boiling points which comprises a kettle, a packed column connected thereto, a total cold finger condenser above the packed column and a receiver, the improvement comprising a receiving line having a liquid seal therein, positioned with its inlet above the packed column and its outlet leading to the upper end of the receiver; means for depositing in the inlet of the receiving line condensate dripping from the lower end of the cold finger condenser; a knockback condenser, mounted above the receiver and in communication therewith and having its upper end vented to the atmosphere; and a tube, communicating with the upper end of the cold finger condenser and passing downwardly through the inside of the knockback condenser to communicate with the lower part thereof.

2,573,808
APPARATUS FOR TEACHING AND PRACTICING SKIING
René Ravoire, Isere, France, assignor of fifty one-hundredths to George N. Moore, South Natick, Mass.
Application August 12, 1948, Serial No. 43,833
4 Claims. (Cl. 272—57)

1. A device for the teaching and practice of skiing which comprises, in combination, a stationary base member, a treadle-supporting member pivotally mounted thereon for limited rotation in a horizontal plane in response to movements of the pupil, a brake attached to one of said members and engaging the other of said members to control the freedom of rotation of the pivotal member, a pair of parallel treadles pivoted independently of each other to said supporting member for rotation in parallel vertical planes, and latches connecting said treadles to said treadle-supporting member to retain said



treadles in horizontal position, said latches being releasable independently of each other responsive to a forward shift of the pupil's weight on said treadles, said latches including catches releasable simultaneously therewith interlocking said base and said treadle-supporting member when the latter member is swung to either of its two extreme positions.

2,573,809
PRONGED WIRE PIN
Daniel I. Reiter, New York, N. Y.
Application September 30, 1947, Serial No. 776,912
20 Claims. (Cl. 24—152)



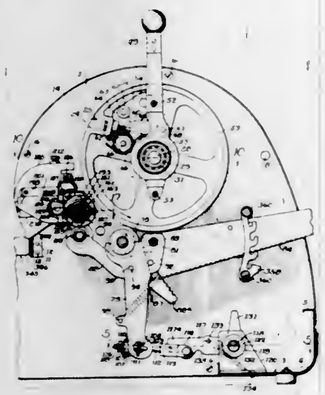
2. A double pointed pin of a single piece of wire comprising a pair of transversely spaced apart coextensive legs each pointed at its free end, the free ends of the respective legs being arranged at the same end of the pin, a first bend at the other end of one leg, a similar second bend at the other end of the other leg, the respective bends extending in the same direction laterally of the legs, a head of that portion of the piece of wire intermediate the legs extending integrally from and between the bends and arranged generally in a plane in lateral spaced relation to the plane of the legs, said head including a third bend, and a spur integral at its base with the material of the head and extending laterally from said base toward the legs and longitudinally toward the first and second bends.

2,573,810

LIQUID PROCESS DUPLICATING MACHINE

George J. Rundblad, Elmwood Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application January 18, 1945, Serial No. 573,413
32 Claims. (Cl. 101—132.5)



1. In a duplicating machine, a drum, a platen roller operable to press sheets against the drum, a moistening roller mounted to rotate about a fixed axis, a counter roller, a common supporting means for said platen roller and said counter roller, means for mounting said counter roller on said supporting means for movement toward and away from said moistening roller, resilient means mounted to urge said counter roller yieldingly toward said moistening roller, said supporting means being movable between two limiting positions in one of which the platen roller and the counter roller are pressed against the drum and the moistening roller and in the other of which the platen roller and counter roller are completely separated from the drum and moistening roller.

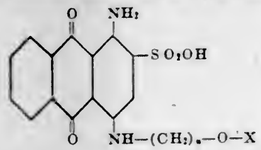
2,573,811

PROCESS FOR PRODUCING 1 AMINO 2,3 DICYANO 4 OXYALKYLAMINO ANTHRAQUINONES

Victor S. Salvin, Irvington, and John R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application July 1, 1950, Serial No. 171,756
11 Claims. (Cl. 260—379)

1. In a process for the production of anthraquinone dyestuffs, the step which comprises subjecting an intermediate of the formula



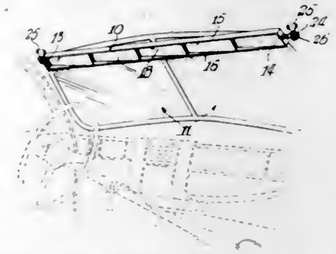
wherein n is an integer from 1 to 5 and X is a member of the group consisting of alkyl and hydroxyalkyl groups to a cyanation reaction with an alkali metal cyanide in a medium having a pH of about 9.6 to 10.1.

2,573,812

REAR-VISION MEANS FOR AUTO VEHICLES

John Henry Schroeder, Melrose Park, Ill.

Application February 19, 1948, Serial No. 9,407
6 Claims. (Cl. 88—86)



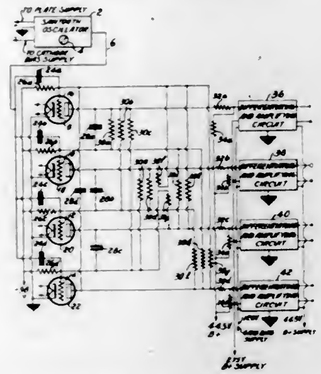
1. Rear vision means for auto vehicles including an elongated support for disposition across an upper portion of a windshield, a plurality of substantially rectangular parallel reflecting surfaces disposed longitudinally of the support in a diagonal direction at an acute angle of less than 45 degrees relative to the longitudinal axis of the support with the inner ends of the reflecting surfaces terminating in a plane and with the outer ends of the reflecting surfaces terminating in a substantially parallel plane.

2,573,813

SEQUENTIAL PULSE GENERATOR

Charles C. Shumard, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1948, Serial No. 52,102
5 Claims. (Cl. 250—27)



1. In apparatus for applying square wave energy for periods of brief duration sequentially to a predetermined series of output points, a ring circuit system comprising a plurality of square wave generating circuits numerically equal to that of said series, each of said circuits including a vacuum tube having at least a cathode, an anode and a control electrode, means for maintaining all of said cathodes at ground potential, means for capacitively coupling a sequence of positively peaked pulses of electrical energy between said control electrodes and ground simultaneously, means for increasing the bias voltage of said control electrodes to a sufficient degree to prevent conduction in all but one of said tubes when one of said pulses is applied, thereby

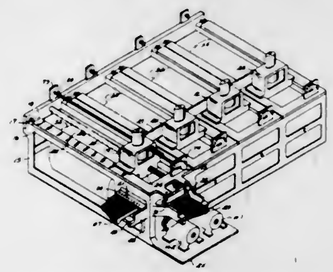
permitting conduction in only one of said tubes, and means for rendering conductive the next succeeding tube in said series when the next succeeding pulse is applied to all of said control electrodes, said last mentioned means comprising means for applying a positive potential from the anode of the most recently conducting tube to the control electrode of said next succeeding tube in said series.

2,573,814

CATALOGUING MACHINE

Clifford Lee Singleton, Atlanta, Ga., assignor to General Developers Company, Atlanta, Ga., a partnership

Application July 1, 1950, Serial No. 171,658
5 Claims. (Cl. 177—353)



5. In a machine of the class described, a plurality of rotatably mounted tabulators, means for rotating said tabulators simultaneously, a plurality of adjustable stop means carried by each of said tabulators, a plurality of sensing means for examining said adjustable stop means, said sensing means being mounted for simultaneous movement longitudinally of said tabulators, said sensing means being arranged respectively to examine the adjustable stop means of said tabulators, keyboard character means, stop means operable by said keyboard character means for controlling rotation of said tabulators, other stop means operable by said keyboard character means for controlling movement of said sensing means independently of said tabulators, said keyboard character combination determining the particular adjustable stop on said tabulators examined by said sensing means, a plurality of adjusting means operable independently to adjust said adjustable stop means on said tabulators to any of a plurality of possible settings, one said adjusting means being associated with each of said tabulators, and means for indicating independently the adjustment of the adjustable stop means on each of said tabulators examined by said sensing means.

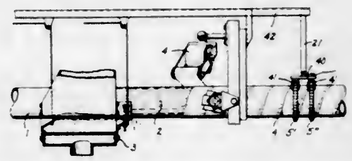
2,573,815

COATING PRESS AND HOLIDAY DETECTOR

Alonzo L. Smith, Houston, Tex.

Application May 7, 1946, Serial No. 667,983
2 Claims. (Cl. 154—41)

1. In an ironing device for the coating and wrapping being placed upon a pipe, a coiled spring encircling the coated and wrapped pipe, connections for the spring ends to maintain the spring under tension against the wrapping while the coating is still plastic, a handle for said spring to move the spring back and forth to knead and iron the coating and wrapping, and means comprising a filling material carried by said spring, and a lubricant upon the said spring filling material so that coating material will not adhere to said spring.

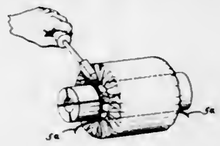


2,573,816

RAYON CAKE PACKAGE

Donald C. Thompson, Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application December 5, 1945, Serial No. 633,020
6 Claims. (Cl. 206—59)



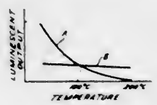
2. A disposable wrapper for protecting during handling an annular wound filamentary package contained therein and having internal and external surfaces connected by end walls, said wrapper comprising a permeable paper or paper-like tube-shaped sheet having a diameter approximately the same as the internal diameter of the package and fitting snugly there against, a second larger tube-shaped sheet of substantially the same permeability as the first sheet concentrically arranged around the first and having a diameter approximately the same as the external diameter of the package and fitting snugly thereagainst, end portions of at least one of the sheets being folded against the end walls of the annular wound package and extending into engagement with portions of the other sheet adjacent the ends of the package to form an enclosure thereabout, each of said sheets having terminal portions protruding outwardly from the enclosure, said sheets being adhesively bonded between their protruding portions.

2,573,817

LUMINESCENT ZINC OXIDE CONTAINING A SMALL AMOUNT OF ZINC SULFIDE

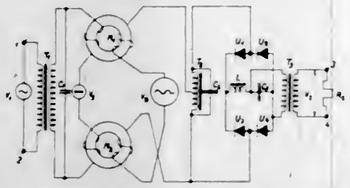
Soren M. Thomsen, Pennington, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 29, 1949, Serial No. 90,303
6 Claims. (Cl. 252—301.6)



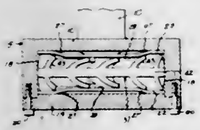
1. A phosphor material consisting essentially of luminescent zinc oxide having incorporated in its crystalline structure 0.01 to 0.3 per cent by weight of zinc sulfide.

2,573,818
ALTERNATING CURRENT MAGNETIC AMPLIFIER
Karel Votruba, Prague, Czechoslovakia, assignor of one-half to Czechoslovak Metal and Engineering Works, national corporation, Prague, Czechoslovakia
Application June 22, 1949, Serial No. 100,586
In Czechoslovakia July 3, 1948
7 Claims. (Cl. 179—171)



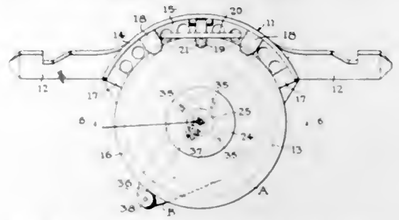
1. A valveless A. C. amplifier comprising in combination, a first closed ferromagnetic core; a first primary winding and a first secondary winding arranged on said first core, respectively; a second closed ferromagnetic core; a second primary winding and a second secondary winding arranged on said second core, respectively; an A. C. input and a D. C. source connected in series to said primary windings arranges on said first and second cores, respectively, said D. C. source presaturating said first and second cores, said A. C. input being adapted to supply an alternating current having a predetermined frequency to said primary windings; an A. C. source having a substantially higher frequency than said predetermined frequency and connected in series to said secondary windings arranged on said first and second cores, respectively, said windings arranged on one of said cores being wound in the same sense and said windings arranged on the other of said cores being wound in opposite sense; and a load circuit connected to said secondary windings and said A. C. source.

2,573,819
ROTARY PUMP OR MOTOR
Ferdinand M. Weyer, Detroit, Mich., assignor to Marine Products Company, Detroit, Mich., a corporation of Michigan
Application April 17, 1947, Serial No. 742,168
11 Claims. (Cl. 103—117)



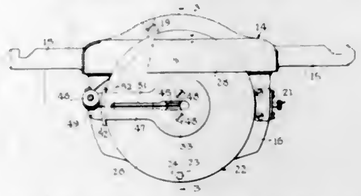
1. A rotary pump or motor comprising a hollow casing having axially-spaced end walls and circumferentially-spaced fluid intake and discharge ports, a shaft rotatably mounted in said casing, a rotor having a hub portion mounted on said shaft, said rotor also having a flange portion projecting from said hub portion, said flange portion having vanes of elastic deformable material secured thereto and disposed radially relatively to said hub portion, and an abutment mounted on and projecting axially inward from each of said end walls between said ports and engageable with said vanes to flex said vanes during rotation of said rotor in a direction approximately parallel to the axis of rotation of said rotor, said vanes at their inner ends being cut away from said hub portion.

2,573,820
SHUTTLE FOR WIRE-WEAVING LOOMS
Chester F. Wickwire, Cortland, N. Y., assignor to Wickwire Brothers, Inc., Cortland, N. Y., a corporation of New York
Application April 21, 1949, Serial No. 88,775
5 Claims. (Cl. 139—197)



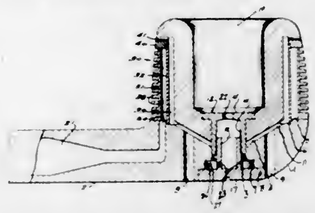
1. A shuttle for wire weaving looms comprising in combination, a shuttle body; a wire-egress guide supported in fixed relation to said body; means for fixedly supporting a coil of wire on said body with its peripheral convolutions exposed; a flyer mounted to revolve relatively to said body on an axis substantially coincident with the axis of said coil, said flyer having a central wire-guide substantially at said axis and arranged to direct wire to said egress guide, and having also a revolving wire-guide which swings in a path encircling said coil as the flyer revolves; and spring means of the dragging coil type, arranged to offer frictional resistance to revolution of the flyer in the direction to unwind wire from the coil, and serving upon release of wire tension to revolve the flyer in the opposite direction and so rewind wire upon the coil.

2,573,821
SHUTTLE FOR WIRE-WEAVING LOOMS
Chester F. Wickwire, Homer, N. Y., assignor to Wickwire Brothers, Inc., Cortland, N. Y., a corporation of New York
Application October 18, 1949, Serial No. 121,931
8 Claims. (Cl. 139—197)



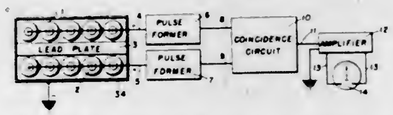
1. A shuttle for wire-weaving looms, comprising in combination, a body; a bobbin removably mounted in said body and having a hub with an opening extending axially from end to end; a hollow housing removably mounted in said axial opening and having at one end an egress guide for wire and toward the opposite end a bearing for a rotary flyer; a flyer rotatable in said bearing and including an arm with wire-directing guides one of which overhangs the periphery of the bobbin and the other of which is adjacent the axis of the bobbin and is adapted to direct wire to the egress guide; and inter-related spring and brake means for resisting rotation of the flyer and for causing reverse take-up motion of the flyer, at least the brake means being within said housing, and the spring being adapted to develop a force reaction between the flyer and one element of the brake means.

2,573,822
SMOKING PIPE
John E. Ayres, Elizabeth, N. J.
Application March 27, 1946, Serial No. 657,575
2 Claims. (Cl. 131—197)



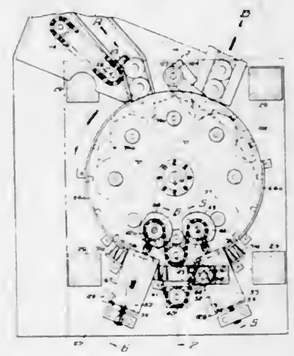
2. A smoking pipe composed of a base portion having a cavity therein, an annular ledge surrounding said cavity, and a stem exit, said base portion having air inlets which extend therethrough and open into said cavity; said base portion also having smoke ducts therein, one of which extends from said cavity to said annular ledge and a second of which extends from the ledge to said stem exit; a removable bowl supported in said cavity so as to provide a pasageway between the underside of said bowl and the base portion, said bowl being in communication with said cavity; a sleeve surrounding the bowl and supported on the annular ledge of said base portion, said sleeve incorporating a circumferentially arranged series of open-ended, vertical smoke passages laterally communicating alternately at upper and lower ends to provide a circuitous smoke path, end passages of the series registering, respectively, with said first and second smoke ducts; said sleeve being separated from the bowl by an annular passageway having air outlets in the upper portion thereof, said annular pasageway being in communication at the lower end thereof with said first-mentioned passageway and at the upper end thereof with said air outlets, whereby air may circulate through said pasageways in indirect heat exchange relation with substantially all of the underside area of said bowl and all of the side area thereof.

2,573,823
ALTIMETER ACTUATED BY COSMIC RAYS
John W. B. Barghausen, Mount Rainier, and James A. Van Allen, Silver Spring, Md., assignors to the United States Government as represented by the Secretary of the Navy
Application April 20, 1948, Serial No. 22,124
1 Claim. (Cl. 250—83.6)



An altimeter comprising a set of Geiger tubes connected electrically in parallel and arranged in a single horizontal plane and adjacent one another, a second set of electrically-parallel-connected Geiger tubes substantially identical in all respects with the first set, and arranged in a single plane parallel to the first-mentioned plane, but vertically beneath the first set, a shield between said sets of tubes capable of preventing the passage of all natural radiation weaker than cosmic rays, whereby any simultaneous response of both sets of tubes designates the passage of a comic ray, a coincidence circuit connected to the said sets of tubes, an amplifier operated by said coincidence circuit and a ballistic galvanometer graduated in terms of altitude and operated by said amplifier, whereby an immediate average indication of altitude is given at all times.

2,573,824
MACHINE FOR HIGH-FREQUENCY DETERMINATIONS OF WALL THICKNESS OF BOTTLES AND THE LIKE
Theodore C. Baker, Perrysburg, Ohio, assignor to Emhart Manufacturing Company, a corporation of Delaware
Application October 17, 1946, Serial No. 703,726
6 Claims. (Cl. 209—81)

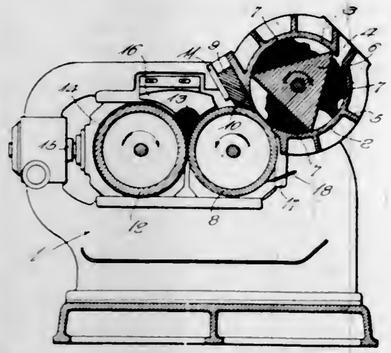


6. In combination, an inspection head having one face formed to simulate the outer contour of a generally cylindrical article being inspected, a plurality of recesses spaced in said contoured face of said inspection head, a plurality of shielded and insulated capacitor pickup plates mounted in said recesses and located so as to sweep a major portion of the wall of said article during rotation of said article before said inspection head, a common main capacitor plate arcuately formed and located adjacent the inspection head outwardly of the outer contour of said article, means for presenting and rotating said article before said inspection head and said main plate, means for maintaining said article in spaced relationship with said inspection head and main plate, electrical means associated with said main plate and said pickup plates to provide an electrostatic field therebetween, individual electrical means responsive to changes in capacitance of each of said pickup plates with respect to said common main plate caused by variations from a predetermined wall thickness of said article contiguous to each respective pickup plate, and normally inactive rejection means activated by any of said individual electrical means to separate defective from acceptable articles.

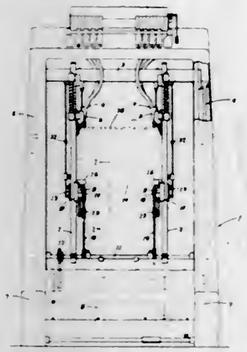
2,573,825
MACHINE FOR PRETREATING PLASTIC MATERIALS
Alois Bánovský and Arnošt Kružík, Zlin, Czechoslovakia, assignors to Bata, národní podnik, Zlin, Czechoslovakia
Application March 21, 1947, Serial No. 736,272
In Germany September 1, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1962
6 Claims. (Cl. 18—2)

4. A machine for the pretreatment of plastic materials, comprising a casing forming a circular

kneading chamber, a kneader roller rotatably arranged in said kneading chamber, and adjacent rotatable mixing rollers cooperating with said kneader roller, said casing having two separated filler openings, one for the plastic material and the other for additional substances, one side wall of the last mentioned opening extending tangentially to the circumference of the kneading chamber, said opening being contracted in the direction towards said chamber, the surface of one of the mixing rollers being tangent to the wall of said kneading chamber, and a wedge slide contacting and scraping off the plastic material from the surface of said last mentioned mixing roller, the last mentioned mixing roller operating also to transfer the kneaded mass from the kneading chamber into the bite of the mixing rollers.

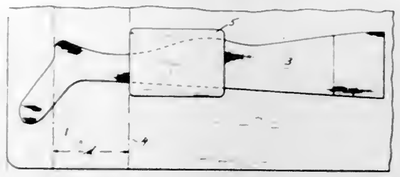


2,573,826
NAILING TABLE FOR BOX LIDDING MACHINES
Harry D. Benson, Fresno, Calif., assignor to General Nailing Machine Corporation, Sanger, Calif., a corporation of California
Original application June 2, 1947, Serial No. 751,741. Divided and this application June 7, 1950, Serial No. 166,710
7 Claims. (Cl. 1—15)



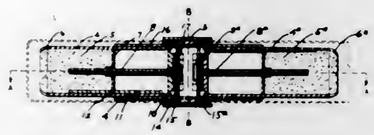
1. In a nailing machine which includes a frame having transversely spaced upstanding posts, and work conveying and supporting table units attached to the posts; each table unit comprising a horizontal nailing table bar, means securing the nailing table bar intermediate its ends to the post, a chain supporting bar extending horizontally alongside the nailing table bar, means mounting the chain supporting bar on the nailing table bar for limited downward motion from a normally raised position, spring means yieldably resisting such motion, and a driven, endless work-conveying chain mounted in a vertical plane with the upper run traveling on said chain supporting bar and normally in a horizontal plane above the top of the nailing table bar.

2,573,827
HOSIERY PACKAGING
William K. Bigelow, Madison, N. J.
Application February 8, 1950, Serial No. 143,100
2 Claims. (Cl. 206—46)



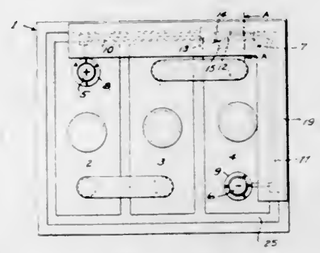
1. The method of packaging stockings which comprises laying a pair of stockings flat on a surface having a mark against which the heel is placed and a mark spaced therefrom by a predetermined distance, placing a card of predetermined length upon the pair of stockings with one end against the second said mark, folding the foot and ankle of the pair of stockings over on top of the card around the end against the said mark, folding the upper part of the stockings over around the opposite end of the card and folding the top of the stocking over the first mentioned end of the card, whereby the upper edge of the stockings will occupy a position on the card determined by the length of the stockings, and inserting the card with the stockings wrapped thereon in an envelope having a transparent area and scale indicia for indicating the length of the stocking according to the position of its top edge with reference to the indicia.

2,573,828
COSMETIC APPLICATOR
Chester H. Braselton, New York, N. Y.
Application January 9, 1948, Serial No. 1,355
7 Claims. (Cl. 206—56)



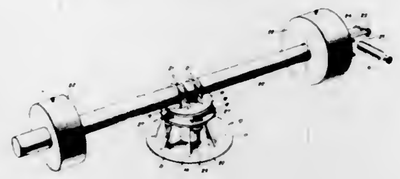
1. In a lipstick or the like, a common base member having tubular openings at both its ends, cosmetic paste cartridges adapted to enter said openings, said paste cartridges having rotatable sleeve-like bodies to protrude from said openings and paste-feeding elements therein, and separable-retaining and feed-driving means carried in part by said cartridges and in part by said base and engaging when said cartridges are pushed into said base to retain said cartridges therein and establish a driving connection between said paste-feeding elements and said base.

2,573,829
STORAGE BATTERY AND PROTECTING MEANS THEREFOR
Chester H. Braselton, New York, N. Y.
Application May 28, 1949, Serial No. 95,972
18 Claims. (Cl. 320—21)



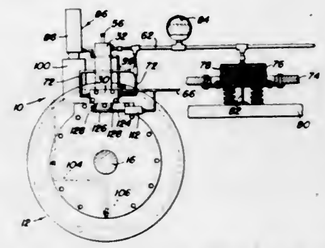
1. A system of the type comprising a storage cell subjected to long idle periods, having in combination therewith protective load means for increasing the usefully rechargeable life of the cell, particularly characterized in that said means comprising a fixed protective load, and means operative to intermittently apply said load across the cell when the cell is not otherwise receiving or imparting energy, said load being of such value that the average current drain therethrough does not materially reduce the shelf-life of the cell.

2,573,830
IMPULSE TESTING DEVICE
Robert O. Boykin, Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application August 25, 1945, Serial No. 612,678
1 Claim. (Cl. 73—141)



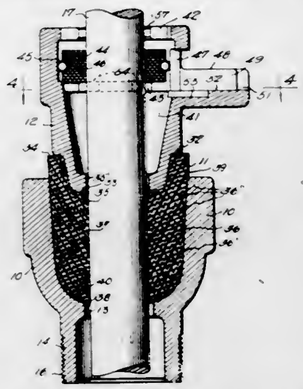
An impulse tester for rockets comprising a base member adapted to provide a substantially horizontal reference plane, a journal box secured to said base member with its axis normal to said plane, a spindle rotatably supported within said journal box and having a disk-like member secured to the exposed end thereof to provide a table-like surface parallel to said plane, a beam, means supporting said beam horizontally on said table-like surface with the mid-point thereof substantially coincident with said axis, a weight adjustably supported on each end portion of said beam, and means for mounting a rocket motor near one end of said beam so that its axis of thrust is parallel to said plane and perpendicular to said beam, whereby the impulse expended by said rocket in accelerating said beam from a state of rest may be determined by measuring the terminal angular velocity of said beam.

2,573,831
ROTARY FLUID BRAKE
Burton B. Burckhalter, Clifton, Colo.
Application November 2, 1949, Serial No. 125,018
7 Claims. (Cl. 188—90)



1. In combination with a wheel axle and the brake line of a train, a fluid brake comprising a rotary member keyed to the axle, a housing for the rotary member, a casing carried by the housing, a partial gate slidably received in the casing and movable into and out of the housing, a plunger slidably mounted on the casing held raised by air pressure entering the casing through the brake line, said plunger being connected to said partial gate to hold the latter raised when the plunger is raised, means for urging the partial gate into the housing upon a reduction of air pressure in the casing, said partial gate having an opening therein, and a gate operated by the plunger upon a reduction of air pressure in the casing for closing the opening in said partial gate.

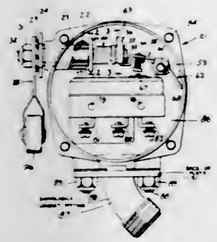
2,573,832
ROD PACKING
Harold Callahan, Tulsa, Okla.
Application June 20, 1946, Serial No. 678,091
15 Claims. (Cl. 286—16)



5. A stuffing box comprising a housing having a downwardly and inwardly tapering interior side wall terminating in a smoothly curved bottom portion, said curved bottom portion lying wholly above a plane perpendicular to the axis of said stuffing box and passing through the radially inner limits of said curved bottom portion, an annular packing element in said housing, the outer surface of which conforms to the shape of said interior housing wall, and the top portion of which includes a pair of horizontal shoulders and an intermediate portion tapered to

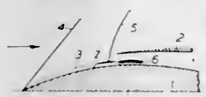
decrease in diameter downwardly, a follower having its bottom portion shouldered to conform to the top portion of said packing element and adapted to abut against the latter and to nest within said housing, and fastening means interconnecting said housing and said follower and adjustable to control the amount of pressure exerted on said packing element.

2,573,833
ELECTRIC SWITCH ACTUATOR
Carlo M. Christensen, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 8, 1946, Serial No. 660,314
7 Claims. (Cl. 74—96)



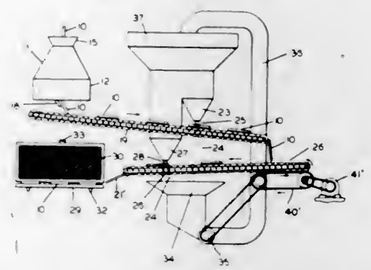
1. In combination, a compact actuator construction of the class described, a housing, a shaft rotatably journaled in said housing, a U-shaped member having its sides engaging said shaft to be rotatable therewith, a member attached to said shaft being engageable with said housing to limit rotation of said shaft in one direction, a coil spring mounted upon said shaft between the sides of said U-shaped member and engageable with said housing to urge said shaft to a preselected normal position, a cam associated with said shaft, a lever member pivotally mounted within said housing and positioned for engagement by said cam, said lever member having attached thereto a resilient compressible member.

2,573,834
DUCT INTAKE OR ENTRY FOR GASEOUS FLUID FLOW DIFFUSER SYSTEM
Ivor Macaulay Davidson, South Farnborough, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company
Application March 24, 1948, Serial No. 16,858
In Great Britain April 22, 1947
5 Claims. (Cl. 244—53)



1. In a gaseous fluid flow diffuser system designed to operate in conditions in which a shock wave substantially normal to the flow is formed in the course of the flow's entering the system, a conduit having an intake opening positioned to face the oncoming flow, a wall extending a substantial distance upstream from a portion of the perimeter of said opening and including a boundary surface in contact with the fluid flow on which surface a boundary layer of fluid is formed, partition means defining with said surface a fluid bleed aperture positioned to face the oncoming flow, said bleed aperture being of substantially smaller cross sectional area than said intake opening and constituting substantially a bleed for said boundary layer of fluid as distinguished from fluid of the main flow, said bleed aperture being located in the region of, but upstream from the intake opening and forming the entry to a passage which debouches into the main stream at a point downstream of the intake opening, and being effective to operate as a boundary layer bleed at the highest flow velocities for which the intake is designed, said partition means being a fixed element distinct from said upstream extending wall and arranged adjacent to and spaced from said boundary surface.

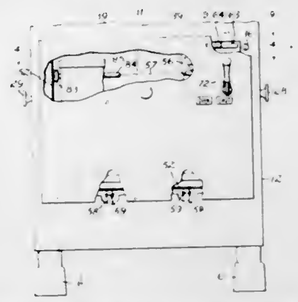
2,573,835
APPARATUS FOR COATING FLAT DISKS
Robert L. Dyar, Milwaukee, Wis.
Application August 1, 1947, Serial No. 765,334
2 Claims. (Cl. 91—18)



1. A device of the character described to be used for adhesively attaching abrasive particles to a flat annular disc, said device comprising a reservoir for containing an adhesive agent, a plurality of rollers disposed in longitudinal engagement with one another within said reservoir, means for rotating said rollers, thereby relaying said adhesive agent from one roller to another and to both sides of said disc when said disc is placed in contact with and between said rollers, a primary conveyor acting as a means for conveying said disc horizontally and having a low discharge end, means in the form of a hopper disposed above said conveyor for applying abrasive particles to the upper side of the adhesive coated disc, an auxiliary conveyor being disposed at the discharge end of said primary conveyor and positioned below the discharge end of the primary conveyor a distance not less than the thickness of said disc, nor greater than the diameter of said disc, said disc being inverted by gravity while dropping onto said auxiliary conveyor, said auxiliary conveyor carrying the inverted disc in the opposite direction to said primary conveyor, and means in the form of a hopper positioned above said auxiliary conveyor for applying abrasive particles to the upper portion of the disc positioned on said auxiliary conveyor.

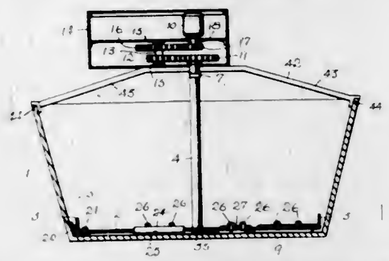
2,573,836
STRAINER FOR FOOD HANDLING APPARATUS
Gerald B. Fox and Dewey B. Dickhart, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application December 4, 1946, Serial No. 713,956
4 Claims. (Cl. 210—149)

1. A vegetable peeling machine comprising a housing adapted to support the peeling mechanism, a drawer slidably mounted in said housing and adapted to contain a bath of liquid, an overflow outlet from said drawer at a position spaced substantially above the bottom of said drawer to maintain said bath at a substantial depth, a container of foraminous material positioned in said drawer to receive a stream of liquid from said peeling mechanism carrying entrained solid and semi-solid matter, said container being proportioned to extend above the level of said overflow outlet but with the major portion thereof below



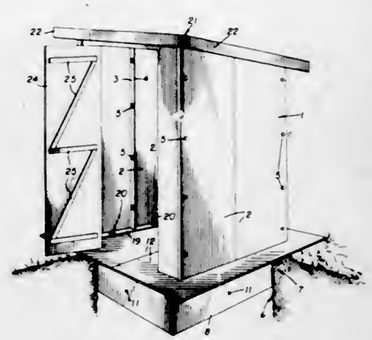
said outlet and submerged in said bath for continuous low velocity discharge of liquid through the walls thereof over substantially the entire surface thereof while retaining said entrained matter therein, a discharge outlet in said drawer below said container for emptying said bath from said drawer, a closure for said discharge outlet, and means operable from outside said housing for opening said closure to effect discharge of said bath from said drawer prior to opening said drawer for removal of said container to empty said retained matter therefrom.

2,573,837
AUTOMATIC STIRRING DEVICE FOR COOKING PANS
Lorenzo L. Fox, Little Falls, N. Y., assignor of one-half to J. T. McDermott, Albany, N. Y.
Application June 2, 1949, Serial No. 96,684
1 Claim. (Cl. 259—107)



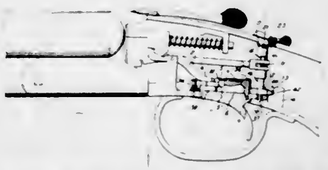
In an automatic stirring device for cooking pans, a cross bar, an upright post fastened to said cross bar, blades mounted on the cross bar on one side of said upright post pointing in one direction, and certain other blades mounted on the cross bar on the opposite side of said upright post pointing in the opposite direction, means for holding said blades on said cross bar, apertures in said blades in which said means project, whereby to allow vertical and lateral motion of said blades, one of said blades having a projection for extending beneath said cross bar under said post, another of said blades having an upwardly extending portion and pivoted on said cross bar for scraping the intersection of the bottom and the upwardly extending wall of the pan.

2,573,838
READY-BUILT METAL OUTSIDE PRIVY
Glenn C. Fulkerson, Kingsport, and James Lashley Johnson, Blountville, Tenn.
Application February 3, 1947, Serial No. 726,150
2 Claims. (Cl. 4—132)



1. A ready built knockdown metal outside privy including a floor portion formed by two interlocking cooperating sections, a depending positioning skirt having a laterally extending integral flange formed thereon, outwardly projecting pins carried by the skirt below the flange for securing said skirt to the ground, said flange being adapted to overlie the ground and said two-piece metal floor being adapted to overlie said flange and to extend beyond the lateral limits thereof, said floor being further formed with a toilet supporting opening, a toilet received therein, vertically extending interconnected side plates secured together at their opposite edges forming a privy house and being connected at their lower ends with said floor portion, a slanting metal roof secured to the upper ends of said side plates, and integrally formed depending drip flanges on the edges of said roof.

2,573,839
SINGLE TRIGGER MECHANISM FOR DOUBLE-BARREL GUNS
William E. Garrison, Denton, Tex.
Application August 20, 1946, Serial No. 691,750
3 Claims. (Cl. 42—42)



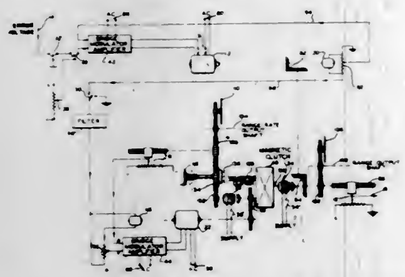
1. A firing mechanism for a double barrelled gun having a pair of sears to hold firing pins in a cocked condition, comprising a single trigger, a transfer block pivotedly mounted on the trigger, a spring pressed plunger carried by the block, a bevelled tip on the forward end of the plunger engaging the rear ends of the sears, wing portions extending from the forward end of the block

in opposite directions to each other and disposed below the bevelled tip on said plunger, a pair of forwardly extending feet on said block below the wings on said plunger, a handle, a tube for mounting said handle rearwardly of said transfer block, means on said tube engaging said block for the pivoting thereof, so that the tip on said plunger will selectively engage the undersurface of the sears to fire one barrel of the gun and upon subsequent movement of the handle to fire the remaining barrel and the wings on said plunger guiding the plunger below the sears during the lateral movement of said transfer block.

2,573,840
RATE MEASURING AND COMPARING CIRCUIT

Albert M. Grass, Quincy, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application October 10, 1945, Serial No. 621,576
14 Claims. (Cl. 318—28)



14. Apparatus comprising a first reversible driving means responsive to an error voltage, a variable voltage source coupled to said first driving means to provide a measurement potential for shifting a measurement indication in that direction which will reduce the error voltage to zero, a second variable voltage source coupled to said driving means to provide a measurement rate potential, a second reversible driving means responsive to said measurement rate potential, a third variable voltage source coupled to said second driving means for supplying a potential in opposition to the measurement rate potential, and means adapting said apparatus for aided tracking, said means comprising, first control means for de-energizing said first driving means, means for disconnecting said third variable voltage source from said second driving means and means for coupling said second driving means to said first variable voltage source and manual control means connected to said first and said third variable voltage sources for use during aided tracking.

2,573,841
METHOD OF WEAVING LOOP PILE FABRICS

Francis P. Groat, Bloomsburg, Pa., assignor to The Magee Carpet Company, Bloomsburg, Pa., a corporation of Pennsylvania

Application June 16, 1949, Serial No. 99,565
11 Claims. (Cl. 139—39)

3. The method of weaving a pile fabric having a backing and a plurality of pile warps woven in the backing which comprises raising portions of the pile warps to form alternate weftwise rows of loops of varying height and intermediate weftwise rows of loops of uniform height, converting the loops in alternate rows to loops of a uniform height, increasing the height of loops in intermediate rows while reducing the

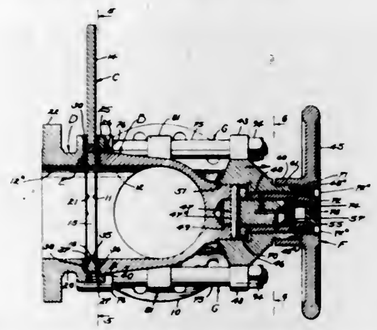


height of loops in a preceding alternate row and converting the loops in intermediate rows to loops of varying height.

2,573,842
FLUID CONTROL

Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.

Application November 23, 1945, Serial No. 630,506
27 Claims. (Cl. 137—167)



13. In a device of the character described, a body having a flow passage, a plate engaging the body to control flow through the passage, an operating member, a screw means operated by said member, and means operating the plate from the said screw means including a plurality of tie members operated simultaneously by the screw means and guides on the body slidably supporting and guiding the tie members from the body.

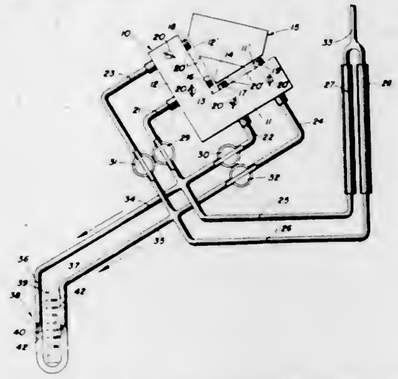
16. In a device of the character described, a body having a flow passage and a seat around the passage, a plate engaging the seat, a clamp member engaging the plate operable to clamp it to the seat, the clamp member having a housing portion with a side opening admitting the plate to position to engage the seat, an operating member, a screw means operated by said member, and a plurality of spaced rods acting under tension connecting the screw means and clamp member.

2,573,843
PNEUMATIC GAUGING DEVICE

Don O. Hendrix and Rudolph M. Langer, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy

Application February 16, 1950, Serial No. 144,466
6 Claims. (Cl. 73—37.5)

1. An angle gauging device for rapid measurement of angular surfaces on a workpiece comprising; a workpiece support, a pair of fluid nozzles positioned relative to said support so as to form fluid leakage paths with adjacent sides of an angle near its vertex, a second pair of fluid nozzles positioned relative to said support so as to form fluid leakage paths with the adjacent

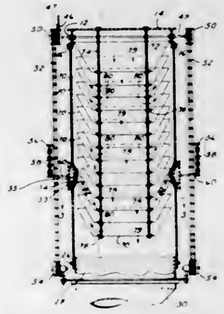


sides of an angle at points spaced from its vertex, means for providing fluid flow through all of the nozzles, and pressure indicating means connected to both pairs of nozzles, whereby variations in size between angles successively gauged cause changes in pressure at the nozzles which show on the pressure indicating means.

2,573,844
DUST FILTER

Henry J. Hersey, Jr., Chatham, N. J.

Application October 11, 1949, Serial No. 120,679
9 Claims. (Cl. 183—61)

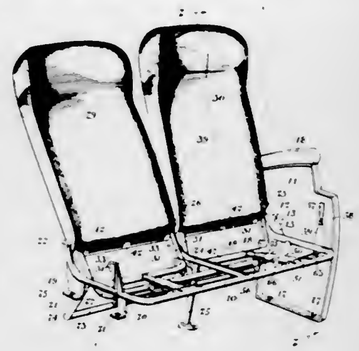


1. In a dust filter, the combination of a porous flexible filter medium, means for introducing dust laden gas to one side of said filter medium at a gaseous pressure higher than that existing on the other side of said filter medium, means on the high pressure side of said filter medium defining an accumulation zone to which solid particles separated from said dust laden gas may gravitate, a reverse jet cleaning device located on the low pressure side of said filter medium for dislodging solids from the high pressure side of said filter medium, said cleaning device being pressed against said filter medium in opposition to the pressure of the dust laden gas therein whereby to deflect adjacent portions of said filter medium inwardly of the high pressure side thereof, a plurality of partitions located on the high pressure side of said filter medium, said partitions having edges extending into proximity with said high pressure side and being so constructed and arranged as to define a plurality of passageways extending downwardly from said high pressure side toward said accumulation zone, means for moving said cleaning device relative to said filter medium whereby successively to deflect portions of the high pressure side thereof substantially into contact with the edges of adjacent partitions and to dislodge accumulated solids from said high pressure side into the passageway between said adjacent partitions for gravitation therethrough to said accumulation zone.

2,573,845
ADJUSTABLE BACK REST CHAIR STRUCTURE

Alfred C. Hoven and Walter E. Nordmark, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application June 28, 1948, Serial No. 35,616
2 Claims. (Cl. 155—161)



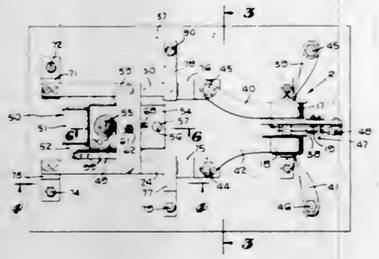
1. In a chair structure: a supporting frame; a chair seat mounted on the frame; a back frame having upright side posts connected to the supporting frame tiltably about a horizontal axis above and rearwardly of the seat's bottom and said side posts extending below the level of the seat bottom; a chair back on the back frame; a horizontal cross-bar having its opposite ends pivotally connected to the lower ends of the back frame's side posts; a tubular member connected to the frame pivotally about a horizontal axis beneath the forward portion of the seat bottom and extending rearwardly from said connection, said tubular member having a closed forward end; a tubular arm rigidly connected to the cross-bar intermediate the latter's ends and extending forwardly therefrom in telescopic sliding engagement with said tubular member, said tubular arm having a closed rearward end; cooperating latching means on the tubular member and the tubular arm for securing the tubular arm in longitudinally slid position relative to the tubular member to thus secure the back frame and the back carried thereby in adjusted tilted position; a helical compression spring disposed within the tubular member and the tubular arm with its opposite ends bearing against the closed forward end of the tubular member and against the closed rearward end of the tubular arm for urging the tubular arm rearwardly; and means on the supporting frame accessible to the chair occupant for engaging and disengaging said latching means.

2,573,846

ELECTRIC LOAD REGULATOR

Arthur J. Kercher, Berkeley, Calif., assignor of one-half to W. Wesley Hicks, San Francisco, Calif.

Application October 10, 1949, Serial No. 120,510
21 Claims. (Cl. 171—97)



16. In a load regulating system for a three-wire source in which a high voltage and a low voltage for supplying electrical energy consuming loads are available: means for supplying a first load from the system; switch means for connecting a second load to either the high or the low voltage; a motor operated mechanism for operating said switch means; said mechanism including a rotatable shaft, an eccentric on said shaft, an apertured member connected to said switch member and adapted to be reciprocated by said eccentric, and a motor for rotating said shaft; circuit means controlling the operation of said motor, including a pair of circuit controllers each having a pair of contacts, one contact of each circuit controller leading to said motor, a pair of connections leading from each of the other of the contacts and alternatively connectible to a source of electrical energy; a third contact associated with each of said pair of circuit controllers and directly connected to a source of electrical energy; cam means positionable by said motor and actuating said circuit controllers, for opening one of the pair of circuit controllers when said switch means is at low voltage position and closing said one circuit controller before said switch means reaches high voltage position and for opening the other of the pair of circuit controllers when said switch means is at high voltage position and closing said other circuit controller before said switch reaches low voltage position; said cam means also connecting said third contact to said one contact of each circuit controller upon an initiation of the movement of the switch means from either of the contacting positions; and means responsive to the value of the first load for connecting either of the said connections to a source of electrical energy.

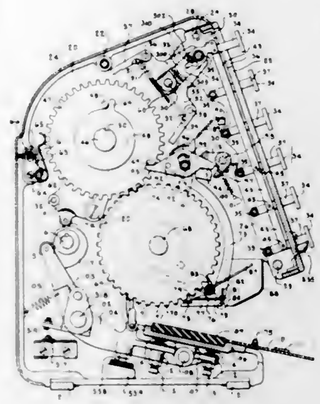
2,573,847

KEYBOARD LOCKING MECHANISM FOR LAUNDRY LISTING MACHINES

William John Keuper, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application September 23, 1946, Serial No. 698,666
19 Claims. (Cl. 101—110)

1. In a laundry listing machine, the combination of a plurality of rotatable type wheels; means for selectively advancing said type wheels step-by-step from normal position, said means including a feed pawl associated with each of said type wheels and movable from an inactive position in which it is disconnected from its associated type wheel to an active position in which it is effective to impart a step of movement to the wheel, and a selectively rockable cam for moving its related pawl from inactive position to active position, said cam having formed therein a T-shaped slot the head of which is concentric with the axis about which the cam rocks and the stem of which is radial



of the axis; resetting means for simultaneously restoring all displaced type wheels to their normal positions; printing means operable to make an imprint from said type wheels; a locking rod passing through the slots in all of said cams; means actuated by said printing means for moving said rod from the head portions of the slots into the stem portions thereof, thereby locking said cams against operation; and means actuated by operation of said resetting means for returning said rod into the head portions of said slots thereby releasing said cams.

2,573,848

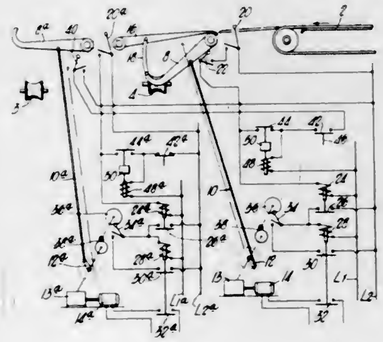
PIPE TRANSFER APPARATUS

George J. Kirchner, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey

Application June 16, 1950, Serial No. 168,476
6 Claims. (Cl. 198—31)

6. In apparatus for transferring pipe and the like, a transverse conveyor; a first longitudinal conveyor located adjacent one end of and below said transverse conveyor; a second longitudinal conveyor disposed parallel to the first longitudinal conveyor and below said transverse conveyor; a first set of arms having ends pivotally mounted adjacent the end of said transverse conveyor and free ends formed to cradle a pipe, said set of arms being adapted to transfer a pipe between said transverse conveyor and said first longitudinal conveyor; a second set of arms pivotally mounted adjacent the first set and adapted to transfer a pipe between said transverse conveyor and said second longitudinal conveyor; a set of cross-over arms pivotally mounted adjacent the point of mounting of the second set of arms for bridging the gap between the end of

the transverse conveyor and the pivotally mounted ends of the second set of arms; linkage means connecting the free ends of the first set of arms to the cross-over arms whereby the latter will be raised and lowered with the first set of arms; operating means for raising and lowering each set of arms, each of said means comprising cranks connected to said arms and an electric motor for driving said cranks; and control means for each of said motors, the control means including a first normally open relay having two sets of contacts, one set of said contacts being connected in circuit with the motor; a second normally open relay for initiating the closing of said first relay; sealing-in means for maintaining said first relay closed for a half revolution of the cranks driven by the motor, said sealing-in means including a circuit comprising the second set of contacts of said first relay and a normally open cam-operated switch, a cam for operating said switch and a 2:1 gearing means for driving said cam from the cranks whereby said cam will make a full revolution for each half revolution of the cranks; a "lower" signal circuit for momentarily energizing said second relay comprising a normally open limit switch located adjacent the pivotally mounted



ends of the set of arms operated by the motor and operable by each pipe moving thereover; a "raise" signal circuit in parallel connection with said "lower" signal circuit to said second relay comprising a time relay and a normally open relay in series connection therewith and a normally open limit switch operable by a pipe on the long conveyor serviced by the set of arms operated by the motor for energizing said time relay; a normally closed limit switch operable by one of the first set of arms when that set is moved to its lowered position, said last mentioned switch being connected in series with the normally open limit switch in the "lower" signal circuit of the motor which operates said first set of arms whereby said "lower" signal circuit is rendered inoperative when the first set of arms are in their lowered position; and a normally open limit switch operable by one of the second set of arms when said second set is moved to its lowered position, said last mentioned switch being connected in circuit in the "raise" signal circuit of the motor which operates the first mentioned set of arms whereby said "raise" signal circuit is rendered inoperative when the second set of arms are in their raised position.

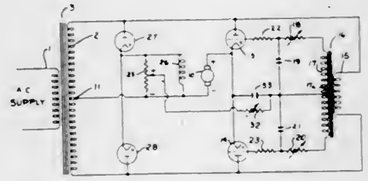
2,573,849

THYRATRON SYSTEM OF CONTROL

Berthold A. Knauth, Bolton, N. Y., and Pao Hsiung Chin, Cranford, N. J., assignors, by direct and mesne assignments, to The Motorspeed Corporation, New York, N. Y.

Application March 1, 1948, Serial No. 12,326
7 Claims. (Cl. 318—345)

1. A thyratron control system for direct current motors comprising a pair of thyratrons each having an anode, a grid and a cathode, a direct current motor having a field winding and an armature, one side of said armature being connected to said thyratron cathodes, a pair of phase shifting circuits connected between the grids of said thyratrons, a transformer having connections for connecting the center tap of the secondary thereof to the other side of said motor armature, connections for connecting the ends



of said secondary to said thyratron anodes, a source of direct current for said motor field winding, a capacitor connected between the cathodes of said thyratrons and the junction of said pair of phase shifting circuits, and a means for applying at least a part of the voltage across said field winding in series opposition to said armature voltage across said capacitor.

2,573,850

MEANS AND METHOD OF NEUTRALIZING THE GUM ACCELERATING EFFECT OF COPPER IN HYDROCARBON FUEL

Alfred C. Korte, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application March 18, 1946, Serial No. 655,223
2 Claims. (Cl. 44—50)

1. A fuel tank adapted to retain liquid hydrocarbon fuel, a fuel pump within said tank and operatively adapted to pump hydrocarbon fuel from within said tank to a point exterior thereof, an electric motor connected to said fuel pump and connected to electrical conduits within said tank, said pump, said motor and said electrical conduits being exposed to wetting by said liquid hydrocarbon fuel and being adapted for pumping hydrocarbon fuel even when submerged in said fuel, said motor and said conduits being characterized by having the portions thereof which are both electrically conducting and exposed to wetting with said hydrocarbon fuel formed of an alloy of between about 40% and about 50% copper and between about 60% and about 50% silver.

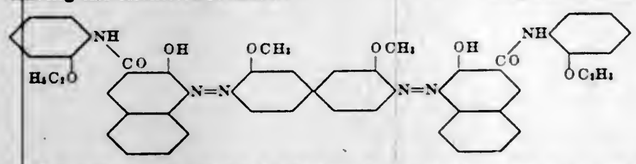
2,573,851

LIGHT FAST AZOIC PIGMENTS

Harold T. Lacey, Marietta, Ohio, and Frank P. Dombroski, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application November 10, 1947, Serial No. 784,960
7 Claims. (Cl. 260—181)

1. A light fast crystalline form of the pigment having the chemical formula:



and characterized by an X-ray diffraction spectrum in which the line of greatest intensity is at an interplanar crystal spacing of 13.3 A. and the second most intense line is at an interplanar spacing of 3.34 A.

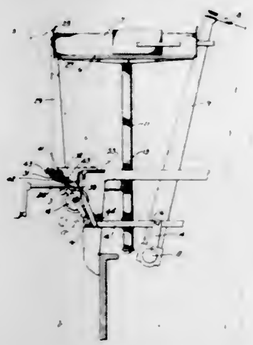
2. A method of preparing a crystalline azoic pigment of increased light fastness which comprises coupling under acid conditions tetrazotized 3,3'-dimethoxy-benzidine with a freshly precipitated form of the o-phenetidide of 2-hydroxy-3-naphthoic acid, a coupling taking place in the presence of a sufficient amount of cationic surface active agent to produce a product characterized by an X-ray diffraction spectrum in which the line of greatest intensity is at an interplanar crystal space of 13.13 Angstrom and the second most intense line is at an interplanar space of 3.34 Angstrom.

2,573,852

JOGGER ATTACHMENT FOR PRINTING PRESSES

Edward D. Lawrence, Oakland, Calif.

Application August 7, 1948, Serial No. 43,085
5 Claims. (Cl. 271—89)



1. In a printing press having a delivery table and reciprocating delivery mechanism for depositing printed sheets onto said table, a jogger comprising pivoted stop means normally positioned at a side of said table to engage the leading edge of a sheet delivered thereon to provide a vertical stacking of such sheets, a lever formed for securing at one end to said pivoted stop means and fashioned to locate its opposite end in the path of movement of a part of said reciprocating mechanism for engagement and displacement thereby for oscillating said stop means to and from said table side in timed relation to the reciprocation of said delivery mechanism.

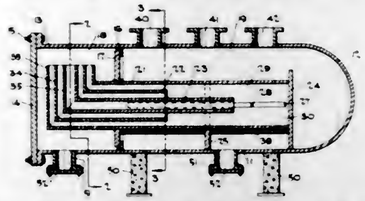
2,573,853

SETTLING TANK FOR CRUDE OIL

Donald H. Lewis, Houston, Tex., Adin H. Hall, Cushing, Okla., and John E. Green, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application December 5, 1949, Serial No. 131,154
7 Claims. (Cl. 210—61)

1. A settling tank comprising a horizontally disposed cylindrical vessel having at least one open end, removable head means normally closing said end in fluid-tight manner, an annular flange member spaced from said head means affixed to the inner walls of said vessel in a plane perpendicular to the axis thereof, a fluid distributor unit insertable into said vessel through the open end thereof, said unit comprising a circular plate member adapted to register with said annular flange to divide said vessel into a first and a second fluid-tight chamber, fluid distributor conduit means extending from said first into said second



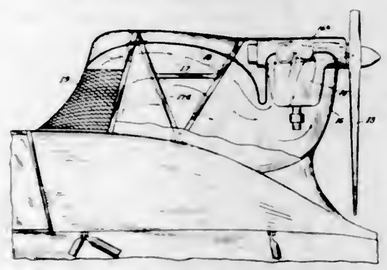
chamber through said plate member and affixed to said plate member, said conduit means comprising an outer tubular means having a generally vertical axis in the first chamber and a horizontal axis in the second chamber, horizontal slot means in said tubular means in the second chamber, inner tubular means extending concentrically within said outer tubular means at least through a portion of their length in the second chamber, fluid inlet means through the walls of said vessel to said first chamber, and fluid outlet means through the walls of said vessel from said second chamber.

2,573,854

AIRPLANE ENGINE COOLING ARRANGEMENT

Kenneth F. Lovejoy, Pittsburgh, and David Barr Peat, Dravosburg, Pa.

Application February 15, 1946, Serial No. 647,810
3 Claims. (Cl. 244—57)



1. In an airplane having a fuselage with a cockpit and a wing supported in spaced relation above the fuselage, means projecting upwardly from the top of the fuselage and rearwardly and above the cockpit and under the mid section of the upper surface of the wing providing a fore and aft extending duct, the rear end of the duct turning upwardly, an engine under the upper surface of the wing over the top of the duct, and a rearwardly opening chamber under the upper surface of the middle wing section above the engine and communicating with said duct, the front of the duct being open.

2,573,855

PROCESS OF AND BATCH FOR MAKING AMBER GLASS

Aaron K. Lyle, West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware

No Drawing. Application May 18, 1946, Serial No. 670,844
6 Claims. (Cl. 106—52)

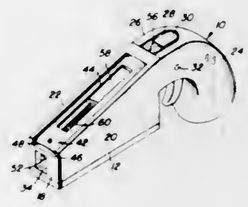
1. A batch for making amber glass comprising materials for a substantially colorless sand-soda-lime glass together with approximately 7½ parts by weight of sodium sulphocyanate per 1000 parts of sand.

2,573,856

TURKEY CALLER

James C. Malone, Sr., Tuscaloosa, Ala.

Application November 3, 1949, Serial No. 125,303
2 Claims. (Cl. 46—189)



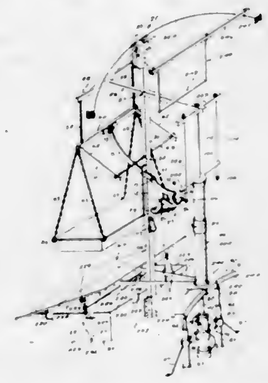
1. A turkey caller which is capable of being supported and operated in a single hand of the user comprising a hollow elongated tone-trapping, resonating, and modulating housing embodying top, bottom, side and end walls, said top wall having a lengthwise slot therein providing a tone discharge opening, a vibratory reed in said housing anchored at one end directly on the bottom wall and rising perpendicularly therefrom and having its opposite end free and terminating in spaced relation beneath the intermediate transverse portion of said top wall, a pistol-grip handle secured rigidly to and spaced outwardly from one end wall, a trigger pivoted for operation on said handle, a reed contacting and actuating member in said housing between the free end of said reed and said top wall, said member paralleling said top wall and being disposed in close proximity to the slot in the latter and normally spanning and substantially closing one end portion of said slot, said member constituting a valve for the slot, rod portions carried by the respective ends of said member, one rod portion extending slidably through one end wall and having end-thrust contact with said trigger, the other rod portion operating slidably through the remaining end wall, and a coil spring surrounding the last-named rod portion and bearing at one end against said actuating member and at its opposite end against said remaining end wall.

2,573,857

METAL CASTING APPARATUS

Sam J. McCain, Fairmont, W. Va.

Application October 22, 1948, Serial No. 56,011
4 Claims. (Cl. 22—1)



1. Metal casting apparatus comprising an upper annular track, an annular lower track, means supporting said tracks in vertically spaced substantially parallel relationship, a trolley suspended from and movable around said upper track, a support suspended from said trolley, a hollow mold seat carried by said support, a tiltable mold board supported on said mold seat, a beam secured to said support above said mold seat and extending to opposite sides of said support substantially perpendicular thereto, springs suspended from said beam above said mold seat, chains suspended from said springs and connectible at their lower ends to a mold flask, said springs having a strength sufficient to lift a flask from said mold board, a link connected at one end to said chains, latch means releasably connecting the other end of said link to said support for holding said chains in lowered position with said springs expanded, an upright member disposed adjacent and substantially parallel to said support, means slidably supporting the lower end of said upright member on said lower track for movement therearound, means slidably connecting said member at its upper end to said beam, a movable section in said lower track, a jack disposed below said movable section for elevating said movable track section and said upright member when said member is positioned over said movable section, means on said upright member engageable with said latch means to release said link from said support and free said springs to contract and lift a flask from a casting on said mold board when said upright member is elevated by said jack, and arms extending from said upright member under the adjacent side of said mold board for tilting said mold board when said upright member is elevated to thereby discharge a casting from the mold board.

2,573,858

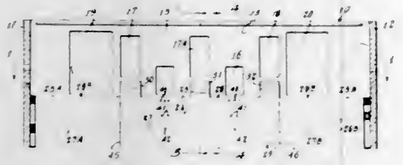
PROJECTION ROOM WALL

Russell Henry McCullough, Los Angeles, Calif., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif., a corporation of Delaware

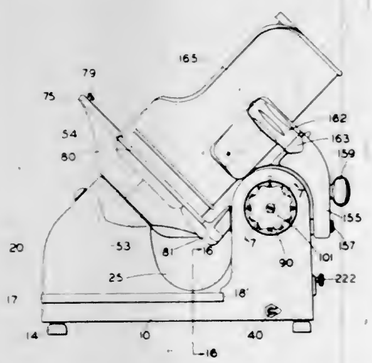
Application September 16, 1946, Serial No. 697,321
1 Claim. (Cl. 175—298)

A projection room wall for use in a motion picture theatre, said wall having a plurality of

electrical raceways running therethrough horizontally in a direction substantially parallel to the plane of said wall, said wall being substantially parallelepiped with control elements thereon, said wall including upwardly extending hollow portions confining said control elements, at least one of said raceways being in communication with said upwardly extending hollow portions, said raceways being spaced one above the other, the lowermost raceway containing wires arranged to be energized with direct current, the intermediate raceway carrying wires to be energized with currents of audio frequency, and the uppermost raceway carrying electrical wires to be energized with alternating current control voltages arranged for controlling equipment associated with the projection of motion pictures, said wall and its raceways being of metal to thereby electrostatically shield the wires in different raceways, said projection room wall being adapted to be placed parallel with and contiguous to the wall in the projecting room having motion picture projection windows formed in said walls with electrical outlets in the first-mentioned wall adjacent said windows.

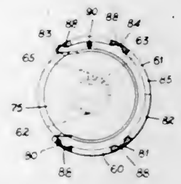


2,573,859
SLICING MACHINE
David A. Meeker, Troy, and Ernest A. Reussenzehn, Dayton, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application December 20, 1946, Serial No. 717,566
4 Claims. (Cl. 146—102)



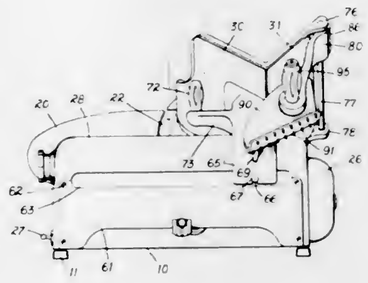
2. A food slicing machine of the gravity feed type comprising a horizontal main base, a carriage having a work supporting surface, means at one side of said base supporting said carriage with said surface inclined downwardly for gravity feeding of work material thereon and with the lower portion of said surface overhanging said base, a rotary knife, mounting means for said knife on said base, said mounting means being spaced from said carriage supporting means by a substantial distance to support said knife from the rear thereof with said knife in inclined position substantially perpendicular to said carriage surface and with a major lower portion of said knife extending laterally beyond said mounting means and overhanging said base below said carriage surface, a guard for the edge of said knife secured at the rear thereof to said mounting means and projecting therefrom toward and in encompassing relation with the periphery of said knife in overhanging relation with said base portion below said knife, said portion of said base between said mounting means and said supporting means being curved downwardly below said knife and knife guard to form a trough extending lengthwise of said base and having both ends thereof open for ready access thereto from either side of said knife, said trough having the curved bottom thereof spaced below the lowest portion of said knife and knife guard by a substantial distance proportioned to provide a through passage beneath said knife and knife guard of adequate effective area for receiving the hand of the operator to clean the same.

2,573,860
KNIFE GUARD FOR SLICING MACHINES
David A. Meeker, Troy, and Ernest A. Reussenzehn, Dayton, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Original application December 20, 1946, Serial No. 717,566. Divided and this application August 28, 1948, Serial No. 46,614
3 Claims. (Cl. 146—102)



1. A food slicing machine comprising a base, a rotary knife mounted on said base, a work receiving carriage mounted for reciprocating movement along said base, a removable knife guard for the exposed peripheral edge of said knife including a plurality of sections of segmental shape, each said section having thereon a peripheral rib overlying said knife edge, said knife guard having recesses in the radially inward side of said ribs forwardly of said knife with said ribs extending over the forward side of said recesses, a knife plate removable separately from said knife guard and adapted to overlie the major portion of the face of said knife to support the pressure of the work material in said carriage toward said knife, said knife plate having radially extended lugs on the periphery thereof receivable in said recesses respectively for firmly supporting said knife plate in protective position over the face of said knife against said pressure, and means for removably mounting said knife guard sections on said base for separate sequential removal and assembly thereof to effect relative engagement and disengagement of said lugs and said recesses by relative movement of said guard sections and said knife plate transversely of the axis of said knife.

2,573,861
FOOD HANDLING APPARATUS
David A. Meeker, Troy, and Ernest A. Reussenzehn, Dayton, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Original application December 20, 1946, Serial No. 717,566. Divided and this application August 28, 1948, Serial No. 46,615
2 Claims. (Cl. 146—102)

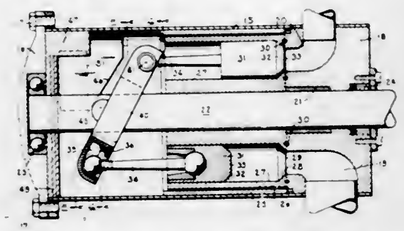


1. In a food slicing machine of the gravity feed type, a base, a work receiving carriage having a downwardly inclined work supporting surface, a rotary knife mounted on said base for rotation in an inclined plane substantially normal to said work supporting surface, a shaft mounted along the side edge of said carriage substantially parallel with said work supporting surface, a pusher plate arm mounted on said shaft for rotational movement and for lateral movement in an inclined direction parallel to said carriage surface, a pusher plate and a manual grip fixed thereto and pivotally mounted on said pusher plate arm for limited rotational movement on said arm to engage work material on said carriage surface in operative position and for rotational movement with said arm on said shaft around said carriage edge to an inoperative position below said carriage surface, complementary means for retaining said pusher plate and arm in said inoperative position, said retaining means including an abutment and a retainer therefor located one on said carriage and the other on said pusher plate entirely independently of said arm, said retaining means being positioned for interfitting engagement by gravity action upon said rotational movement of said pusher plate and arm to said inoperative position, said retaining means being arranged for relative disengagement upon rotational movement of said pusher plate and arm from said inoperative position, and stop means on said pusher plate and said arm for locating said pusher plate in predetermined angular relation with said arm so that when said pusher plate is in said operative position it is substantially parallel with said work supporting surface of said carriage to establish a reference position of said retaining means on said pusher plate for automatic engagement thereof with said retaining means on said carriage upon movement of said arm to said inoperative position.

2,573,862
PESTICIDAL COMPOSITION COMPRISING A ZINC SALT OF PETROLEUM SULPHONIC ACIDS
Arthur Minich, Westfield, and Milton Nowak, Union, N. J., assignors to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New York
No Drawing. Application July 16, 1949, Serial No. 105,265
1 Claim. (Cl. 167—30)

A pesticidal composition comprising: a solution of a zinc salt of petroleum sulphonic acids which have a molecular weight within the range of 375–500 in mineral spirits.

2,573,863
COMPRESSOR
Alva E. Mitchell, Philadelphia, Pa.
Application May 19, 1948, Serial No. 27,892
15 Claims. (Cl. 230—20)

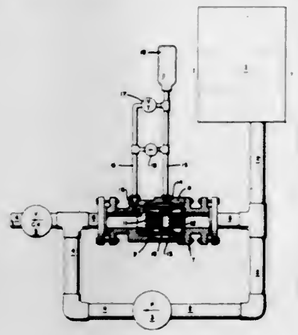


1. In a compressor, a tubular casing, a valve plate in said casing and having an interior face with fluid inlet and fluid delivery ports therein, a rotor in said casing in facing relation to said valve plate and having a plurality of longitudinal bores for respective register with said ports, pistons reciprocable in said bores, a ring member, piston rods connected to said ring member and to said pistons, pivotal mounting means for said ring member the pivotal axis of which is coincident with the pivot of one of said piston rods at said ring member for one dead center position of said one of said piston rods, an abutment member on said mounting means, a transversely movable cam member in said casing for positioning said ring member and resilient means for impelling said cam member.

2,573,864
STARTER MEANS FOR HYDRAULIC DEVICES
Theron W. Moran, Encino, Calif., assignor to A. M. Conley, doing business as The Conley Company, Los Angeles, Calif.
Application June 26, 1948, Serial No. 35,504
4 Claims. (Cl. 103—39)

1. An actuating means for hydraulic lifts comprising: a positive displacement pump adapted to deliver fluid to a hydraulic device; a by-pass valve connected across said pump, said valve including a valve body, a sleeve within said body and defining therewith an annular pressure chamber, a valve core within said sleeve and including a bulkhead engaged by said sleeve when said sleeve is constricted by fluid pressure in said chamber thereby to close said valve; a cushion chamber member in communication with said pressure chamber, a flow line communicating with said pressure chamber and cushion chamber member and with the output side of said pump; and a throttle valve in said flow line, said

cushion chamber member adapted to receive liquid from said pressure chamber upon initial operation of said pump to permit flow through said by-pass valve, said throttle valve adapted to



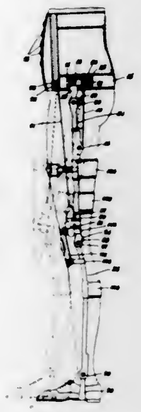
cause controlled increased pressure in said cushion chamber member and pressure chamber and thereby cause said valve to reclose gradually on continued operation of said pump.

2,573,865
FLOTATION OF COBALTITE
Samuel Payne Moyer, Butte, Mont., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 14, 1948, Serial No. 8,309
8 Claims. (Cl. 209—167)



1. A method of separating cobaltite from a mineral mixture containing sulfides of iron, which comprises subjecting said mixture to froth flotation in the presence of a sulfide promoter of the xanthate type and a soluble cyanide depressant to produce an underflow product richer in cobaltite and poorer in sulfides of other metals than said mixture, conditioning said underflow product with copper sulfate and a hydrogen halide, and effecting froth flotation in acid circuit in the presence of a sulfide promoter of the xanthate type to produce a froth product richer in cobaltite and poorer in sulfides of other metals than said underflow product.

2,573,866
LEG BRACE
John H. Murphy, Canton, Ohio, assignor of thirty one-hundredths to Myron W. Nusbaum, Canton, Ohio, and thirty one-hundredths to Edward J. McMullen, Memphis, Tenn.
Application May 14, 1948, Serial No. 27,032
4 Claims. (Cl. 128—80)

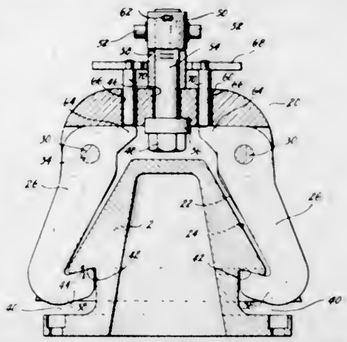


1. Walking leg braces comprising a body frame adapted for connection to the trunk of the body of a wearer, leg braces, means upon the leg braces for connecting them to the legs of the wearer, means pivotally connecting the upper ends of the leg braces to opposite sides of the body frame, means normally locking the pivots in aligned condition, means operated by the tilting of the body frame forwardly and downwardly to one side for unlocking the pivot on the other side, and means connected to each leg brace and to the body frame for swinging each leg brace in a forward walking motion when the corresponding pivot is unlocked, whereby when said walking leg braces are connected to the body of a person the alternate shifting of the wearer's weight from one leg to the other and simultaneous bending of the wearer's body forwardly and in the direction of said other leg will cause the alternate unlocking of the pivots and swinging of the leg braces in a forward walking motion.

2,573,867
GRAPPLING DEVICE
Malcolm G. Murray, Ellwood City, and Rodney W. Porter, Zelienople, Pa.
Application January 13, 1948, Serial No. 2,028
5 Claims. (Cl. 294—106)

2. A grappling device for handling objects comprising a bell-shaped member having vertical slots and adapted to be carried by a lifting hoist, a plurality of vertically extending finger members having inwardly extending hook-ends pivotally mounted in the slots of said bell member, lugs projecting inwardly from the head portions of said finger members, a cone member adapted to be attached to the objects to be handled, said cone member adapted to fit within said bell-shaped member, the cone member having a groove around its base to receive the hook-ends of said finger members, and means for disengaging said hook-ends from the groove in said cone member, said means consisting of a plurality of

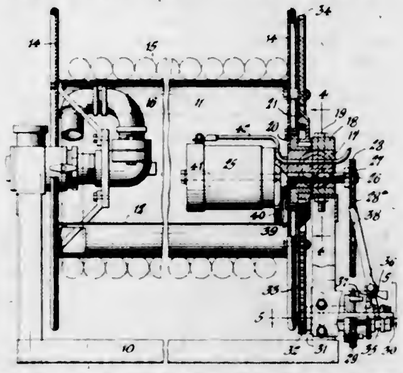
vertical release rods extending downwardly through holes in the top of said bell member to



said lugs, and a plate member above said bell member for depressing said release rods.

2,573,868
HOSE REEL
Daniel Newell, Kenmore, N. Y.
Application June 9, 1949, Serial No. 98,133
3 Claims. (Cl. 299—78)

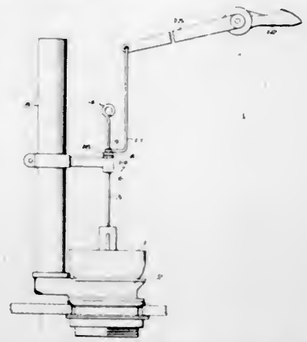
1. A device of the character described, comprising a frame having combination reel and motor supporting means thereon, a reel mounted at one end on said means to rotate thereon and including a drum about which a hose is adapted to engage, a driving motor arranged within said drum adjacent one end thereof and in connected relation to and having its shaft journaled in said supporting means, motion-transmitting means arranged externally of the reel and operatively connecting the motor-shaft with said reel, and a pipe fitting unit secured within the other end of said drum for connection at one



end to the hose and having its other end coaxial with the drum.

2,573,869
FLOAT ROD ASSEMBLY
John W. Offutt, Ellwood City, Pa.
Application April 28, 1949, Serial No. 90,090
9 Claims. (Cl. 4—57)

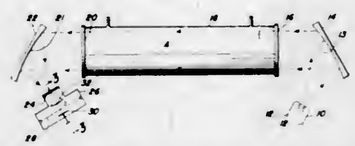
1. In a float rod assembly that includes a vertically reciprocating float rod having its lower end attached to a float valve, the combination with said rod of a support member having a hole therethrough for slidably receiving the rod, and a lifting member having a hole therethrough for slidably receiving the portion of the rod extending above the support member, one of said members having an annular boss concentric with the hole therethrough and the other of said members having an annular seat concentric with the hole therethrough, said boss and seat presenting



opposed complementary frustro-conical surfaces adapted to engage each other when the lifting member is in its normal lowered position, so as to prevent lateral displacement of the lifting member in any direction when it is in its normal position and thereby prevent binding of the float rod.

2,573,870
MANOMETRIC GAS DETECTOR
August H. Pfund, Baltimore, Md., assignor to United States of America as represented by the Secretary of the Navy
Application March 4, 1948, Serial No. 13,060
7 Claims. (Cl. 250—43)

1. An apparatus for detecting the percentage present of molecularly dipolar gases comprising a source of infrared radiations of varied frequencies, a specimen absorption chamber adapted to receive a sample of gas for analysis in optical alignment with said source and provided with aligned windows for passage of said infrared radiations therethrough, a closed manometric detector cell disposed to receive the radiations through a window therein from said source through the said chamber, said cell being filled with a gas of the same type as that under test, movable means within said detector cell responsive to volumetric change of the gas therein due



to absorption of said radiations, mirror means within said cell for reflecting the unabsorbed radiations from said source to the region without said window, a fixed plate positioned within said cell relatively close to said first named means adapted in conjunction with said means to provide a variable capacitor and a meter circuit connected to said capacitor and sensitive to capacity changes therein, whereby as the capacity of said capacitor is varied by the movement of said movable means electrical signals are produced in said circuit to indicate the relative quantity of the particular gas present in the specimen absorption chamber.

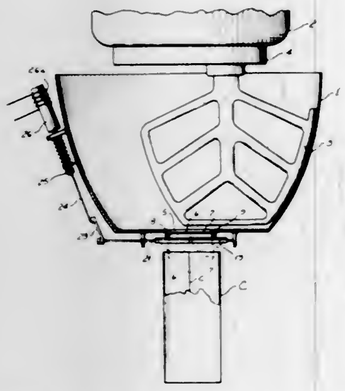
2,573,871
WEARING APPAREL AND METHOD OF CONSTRUCTION
Emanuel J. Pleet, Baltimore, Md.
Application January 20, 1950, Serial No. 139,557
7 Claims. (Cl. 2—236)



1. The method of manufacturing a pair of trousers having pleats and belt loops integral therewith, comprising forming a box pleat across the waist region of the trousers with the folds of the pleat behind the pleat web, cutting a portion of the folds to provide an opening for the reception of a belt, securing corresponding cut edges of the folds resulting from said cutting together behind the web, separating the lower portion of one of the folds of the pleat from the upper portion thereof, reversing the position of said lower portion relative to the upper portion and securing it in said reversed position.

2,573,872
METHOD OF PACKAGING FOODSTUFFS
William A. Reed, Larchmont, N. Y.
Application June 2, 1947, Serial No. 751,669
3 Claims. (Cl. 99—171)

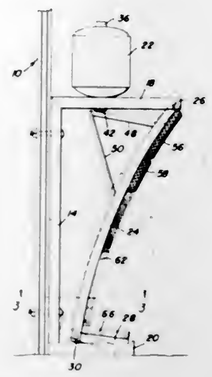
1. The method of packaging pie crust mixture including shortening, which comprises: agitating the entire mass of mixture within a confined space to divide it into discrete particles separate from one another and thereafter keep the entire mass of the mixture in fluffed condition while causing it to constantly move toward the center of said space, and thereupon discharging said mixture in fluffed condition through the center of the bottom of such space directly into a subjacent package container while such agitation is



continued, whereby all portions of such mixture are kept in constant motion and in fluffed condition until the mixture comes to rest in the package container.

2,573,873
HOG OILER
Don W. Rhoades, Pender, Nebr., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr., a corporation of Nebraska
Application May 20, 1948, Serial No. 28,089
1 Claim. (Cl. 119—157)

In a livestock treating apparatus which includes a support with means for maintaining a

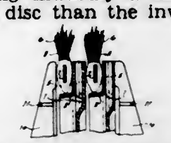


supply of livestock treating composition carried thereby, together with a valve for dispensing the composition, the improvement which comprises a smoothly curved frame pivoted to said support and having a trough fixed thereto and arranged to operate said valve, said trough being adapted to conduct the livestock treating composition to said frame, said frame having a passage therein in communication with said trough, and said frame having an upper end and a lower end, the upper end being adapted to hold at least one pad so that the composition passing through said passage may impregnate said pad, the lower end of said frame adapted to support an abrading means to receive by gravity flow the composition which passes through said passage, and means operatively associated with said frame for collecting the drainage from said frame.

2,573,874
VENTILATED BUFFING WHEEL
Victor Lloyd Richards, Toronto, Ontario, Canada, assignor to Canadian Hanson and Van Winkle Company Limited, Toronto, Ontario, Canada, a corporation of Canada
Application September 22, 1950, Serial No. 186,133
In Canada January 7, 1950
3 Claims. (Cl. 51—193)

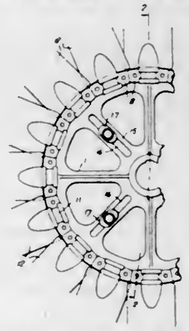
1. A ventilated buffing wheel assembly comprising a plurality of annular buffing sections of flexible material arranged side by side; a spacing and supporting hub for each of said sections comprising a disc having a central aperture to receive a spindle and a plurality of perforations radially disposed with respect to said aperture to form axially extending air passages and a plurality of radial flutes stamped at intervals in the outer periphery of said disc and extending inwardly from the peripheral edge of the disc, and a ring attached between the spaced radial flutes to one side of said disc adjacent the outer periphery and overlaying said flutes, said ring having an axially extending flange centering and

supporting said annular buffing section, the depth of said ring from the outer edge to the inner edge thereof extending inwardly a smaller distance radially of said disc than the inward extent of



said spaced radial flutes and thus defining with said flutes radial air passages; and means clamping said sections and hubs for rotation with a spindle as a unit, said means having perforations therethrough to permit ingress of air.

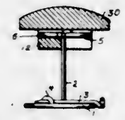
2,573,875
ROTARY FAN
Richard George Riddiford, Weybridge, England, assignor to The Airscrew Company Limited, Weybridge, England
Application December 28, 1945, Serial No. 637,570
In Great Britain February 14, 1945
2 Claims. (Cl. 230—134)



1. A mounting ring for the detachable reception of blades to function either as the rotor blades of a rotary fan or as stationary guide vanes in a fan unit, said mounting ring being in the form of a wheel-like structure and comprising a series of blocks adapted on assembly to abut one against the other and form a continuous ring constituting the rim of the wheel-like structure and also to provide a series of clamps for releasably holding by their roots a predetermined number of blades so that each blade is separately detachable and angularly adjustable by a turning movement about its axis, spaced side plates on opposite sides of the continuous ring of blocks and of substantially the same diameter as said ring and means for pulling said side plates together so as to clamp tightly between them the said blocks, the arrangement being such as to permit the number of blades to be varied and the continuity of the ring of blocks maintained.

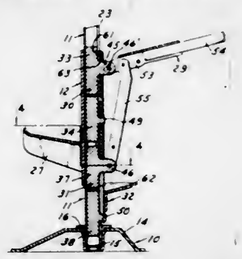
2,573,876
FASTENER FOR BUTTONS
Manuel J. Rodrigues, New York, N. Y.
Application October 15, 1946, Serial No. 703,396
1 Claim. (Cl. 24—112)

In a button, the combination which comprises a wire stem having a coil providing a base on the lower end with the coil which is in the form of a spiral positioned in a plane perpendicular to the stem, the outer end of the wire of the coil extended transversely across the lower surface of the coil and having a point on the end thereof, and a button having a head with a boss on the under surface positioned on the end of the stem opposite to that on which the coil is positioned, said boss of the button head having a transversely disposed opening therethrough with a slot extended from the peripheral edge of the boss to the center and extended from the said transversely disposed opening through the lower end of the boss, said boss also having a communicating opening extended from the transversely disposed



opening to the peripheral wall of the boss and positioned perpendicular to the said transversely disposed opening, the upper end of the said stem having loops extended from both sides thereof and positioned in a plane perpendicular to the stem and one of said loops having a leg extended at a right angle and positioned to snap into the said communicating opening between the transversely disposed opening of the boss and periphery thereof with the said loops positioned in the said transversely disposed opening of the boss.

2,573,877
LIFTING JACK CONSTRUCTION
Louis Schweitzer, Royal Oak, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 16, 1950, Serial No. 138,905
8 Claims. (Cl. 254—106)



1. A lifting jack comprising a base, a column supported at its lower end on the base, an elevating part supported by the column for sliding movement lengthwise of the column, a pair of locking devices supported by the column for vertical sliding movement relative to the column, each locking device comprising a pair of vertically aligned wedges having adjacent overlapping surfaces at the inner sides inclined with respect to the path of sliding movement of the devices, abutment surfaces on the column extending vertically in the direction of sliding movement of the locking devices and respectively engageable with the outer sides of the wedges, means connecting the wedges of each pair permitting limited relative sliding movement of the wedges, an operating member respectively connected to the uppermost wedge of each pair for alternatively moving the locking devices upwardly relative to the column, and means on the elevating part respectively engageable by the uppermost wedges of each pair to impart a lifting movement to said part.

2,573,878

CORROSION PREVENTIVE COMPOSITIONS

Knapel F. Schiermeier and Herbert A. Poitz, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 26, 1948, Serial No. 23,396
13 Claims. (Cl. 106—14)

5. A composition of matter adapted for use as a rust inhibitor consisting essentially of a mixture of from about 35% to 45% of an asphaltic bitumen, from about 5% to 20% of an oxidized substantially non-aromatic petroleum oil-wax mixture and from about 1% to 5% of a metal salt of organic acids from the group consisting of organic cyclic acid and organic sulfonic acid, said mixture being diluted with a light liquid hydrocarbon boiling below the lubricating oil range.

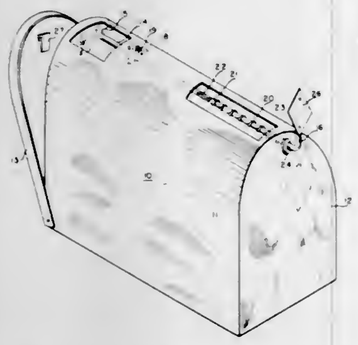
2,573,879

DELIVERY BOX SIGNAL

William E. Selbel, Brecksville, Ohio

Application March 14, 1949, Serial No. 81,329
7 Claims. (Cl. 232—35)

1. A delivery box comprising, a housing including a side wall, an end wall and a delivery re-



ceiving door, a rod journaled in said end wall and extending therethrough and outside of said housing, a signal carried by said rod externally of said housing, spring means interengaging said side wall and said rod and urging said rod to rotate in said end wall, and releasable means cooperative with said door and said rod and restraining rotation of said rod when the door is closed and releasing and thereby permitting rotation of said rod when the door is opened.

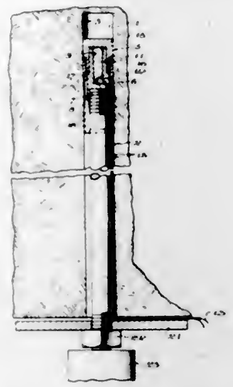
2,573,880

EXPLOSIVELY ACTUATED ANCHOR FOR MINE ROOF BOLTS

Robert Temple, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del., a corporation of Delaware

Application September 20, 1950, Serial No. 185,707
7 Claims. (Cl. 85—2.4)

1. An explosive-actuated mine roof bolt anchor, comprising an expander adapted to be fastened to the upper end of a bolt inserted in a hole drilled up into a mine roof, the expander having a downwardly tapered lower portion and having an upper portion provided with a downwardly extending bore, a charge of explosive powder in the bore, an expansion member enclosing the upper part of the expander and extending downward around said tapered portion, the inside of the lower end of said member being



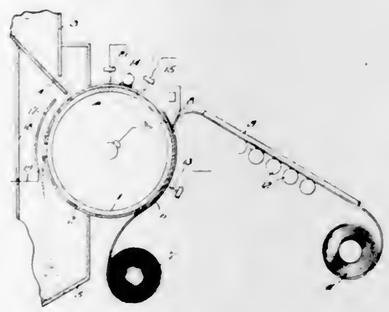
smaller than the upper part of said tapered portion, and means for detonating said charge to drive said member upward, whereby the lower end of the expansion member will be expanded by the tapered portion of the expander.

2,573,881

METHOD AND APPARATUS FOR DEVELOPING ELECTROSTATIC IMAGES WITH ELECTROSCOPIC POWDER

Lewis E. Walkup and Donald L. Fauser, Columbus, Ohio, assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware

Application November 2, 1948, Serial No. 57,062
7 Claims. (Cl. 101—426)



1. The method of developing an electrostatic image on a charged insulating image layer supported on a conductive plate, and which conductive plate extends across the background area of the image, which consists in applying developing powder to the charged image layer while maintaining an electrical field, produced by a potential having a polarity the same as that of the charge on the image layer and opposite to that of the charge on the developing powder, over the area of the plate to induce a charge in the background area opposite in polarity to the charge in the image area while the powder is applied, whereby powder having the same charge as the background area is repelled from the background area.

2,573,882

METAL COATING PROCESS AND OIL FINISHING COMPOSITION THEREFOR

George W. Waters, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 12, 1947, Serial No. 741,001
22 Claims. (Cl. 117—51)

9. In a method of metal coating metal surfaces wherein a metal is cleaned and pickled and wherein said cleaned metal is passed through a flux bath, on through a molten bath selected from the class consisting of molten tin, molten lead and a molten metal mixture of lead and tin, and finally passing said metal through an oil composition, maintained at an elevated temperature, the improvement residing in using as said oil composition a blend consisting essentially of mineral oil and a hydrogenated fatty oil selected from the class consisting of hydrogenated animal, vegetable, marine oils, hydrogenated residuum fractions of said oils and hydrogenated distillate fractions of said oils, said blend having an acid number of not less than 3 and not more than about 15 and containing a minor amount sufficient to stabilize the composition against deterioration of a high boiling unsubstituted aryl amine.

18. A mineral oil composition suitable for aiding in the formation of an adherent tin coating on ferrous surfaces, consisting essentially of a blend of mineral oil and a hydrogenated fatty oil selected from the class consisting of hydrogenated animal, vegetable and marine oils, hydrogenated residuum fractions of said oils and hydrogenated distillate fractions of said oils and a minor amount sufficient to stabilize the composition against deterioration of a high boiling unsubstituted hydrocarbon amine, said composition having an acid number of between about 3 to 15.

2,573,883

METAL COATING PROCESS AND OIL FINISHING COMPOSITION THEREFOR

George W. Waters, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 12, 1947, Serial No. 741,002
17 Claims. (Cl. 117—51)

1. A method of coating ferrous metal which includes cleaning and pickling said metal, passing the metal through a flux bath consisting essentially of a zinc chloride-ammonium chloride solution, followed by passing the metal into a molten tin bath maintained at a temperature between about 530°–560° F. and finally passing said tin treated metal through an oil composition maintained at a temperature between about 460°–490° F. consisting essentially of a mixture of mineral oil and partially hydrogenated fish oil distillates, said oil mixture having an acid number of not less than 3 and not more than about 15.

8. A mineral oil composition suitable for aiding the formation of an adherent metal coating on another metal, consisting essentially of a mixture of a mineral oil and a hydrogenated fatty oil distillate, said blend having an acid number of between about 3 to 15.

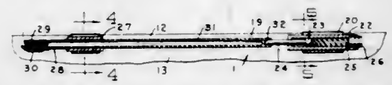
2,573,884

REMOVABLE SHOT MAGAZINE FOR PNEUMATIC GUNS

William S. Wells, Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan

Application July 21, 1947, Serial No. 762,392
5 Claims. (Cl. 124—45)

1. A shot retaining magazine assembly for a



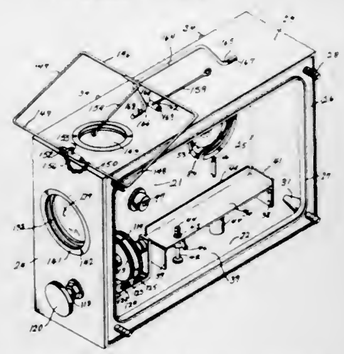
gun having a barrel, comprising a bushing supported at one side of the barrel with its axis extending substantially parallel to the barrel axis, means for securing the bushing to the barrel including a bracket secured to one side of the bushing and having a laterally extending portion shaped to extend over the barrel, an elongated tube adapted to slidably support a plurality of shot with the shot arranged in a row extending lengthwise of the tube and having the front end portion sleeved within and secured to the bushing, said tube being open at the rear end to enable successive removal of shot from the rear end, and yieldable means positioned in obstructing relation to the rearwardmost shot in the tube for normally retaining said shot within the tube.

2,573,885

UNDERWATER CAMERA AND CASING, INCLUDING CONTROL MEANS

Dudley A. Whitman, Miami Beach, and William F. Whitman, Dade, Fla.

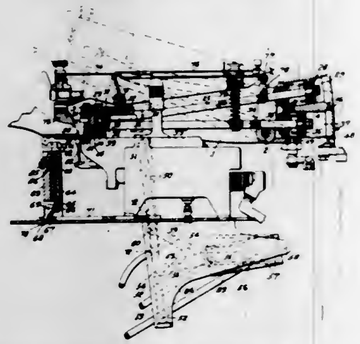
Application April 7, 1948, Serial No. 19,506
8 Claims. (Cl. 95—11)



1. For use with a conventional camera having a lens, "f" stop adjusting mechanism, a shutter release and a film wind device, an underwater liquid and gas-tight case, a raised support in said case adapted to removably receive and support said camera above the bottom of said case and having parts to locate and orient the camera in the case, a photographing window in the case with which the camera lens registers in the oriented position of the camera in the case, a film wind operating device mounted in a fluid-tight manner through the case and having a part interlockingly receiving the camera film wind device in the oriented position of the camera in the case, a shutter release operating device mounted in a fluid-tight manner through the case and having a part adapted to interlock with the camera shutter release, and an operating device for the "f" stop adjusting

mechanism of the camera mounted in a fluid-tight manner through the case and adapted to be coupled to the camera "f" stop adjusting mechanism in the oriented position of the camera, said film wind operating device having a drum rotatable internally of the case, a pawl pivotally carried by the drum and engageable with a ratchet wheel rotatable freely of the drum and having a coupling non-circular socket exposed on the interior of the case, and a non-circular coupling head affixed to the camera film wind device and adapted to occupy said socket in the oriented position of the camera, an operating lever being coupled to the pawl and having a trip finger in the path of a depressible trip pin.

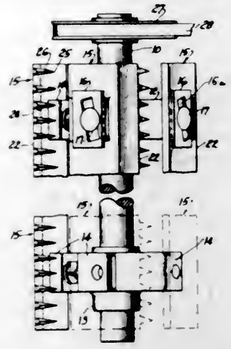
2,573,886
LASTING MACHINE
Josef Zaoral, Zlin-Dily, and Vilém Ostrčil, Horní Mostenice, Czechoslovakia, assignors to Bata, národní podnik, Zlin, Czechoslovakia
Application March 25, 1947, Serial No. 737,075
In Germany April 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 5, 1965
5 Claims. (Cl. 12—12.4)



2. A shaping and smoothing device for shoe-end tacking machines, such as toe-tacking machines, comprising: a common swinging arm, a flexible toe former mounted on the common swinging arm, wipers on the flexible toe former, hydraulic pressure cylinders, and pistons working in the said cylinders for controlling the operative motions of the former and of the wipers, the pressure cylinders for the former and for the wipers being mounted in the swinging arm itself, and the working strokes of the former and wipers proceeding up to impact against the work, so that they adapt themselves automatically to the shape and size of the work.

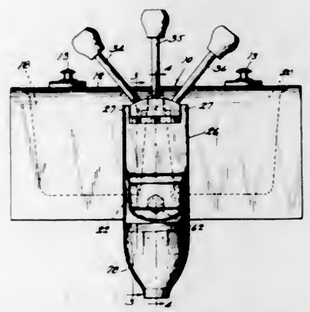
2,573,887
ROTARY STALK CUTTER AND SHREDDER
John L. Aasland, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 29, 1948, Serial No. 57,312
4 Claims. (Cl. 146—121)

1. A rotary stalk chopper and shredder comprising a rotor having means thereon for receiving a plurality of blades, said blades extending in one direction, a shear plate, said blades adapted to cooperate with said shear plate in cutting corn stalks, said blades having a regular continuous knife edge on the forward end thereof, and said blades having forwardly and upwardly extending spaced projections commencing at the knife edges of the blades and extending substantially coextensive with an arc drawn about the center of



the rotor, said blades and projections adapted to simultaneously shred the stalk upon its being shearingly cut.

2,573,888
BEVERAGE DISPENSING APPARATUS
Samuel C. Benjamin and Joseph Benjamin, Chicago, Ill.
Application July 29, 1947, Serial No. 764,496
9 Claims. (Cl. 225—21)

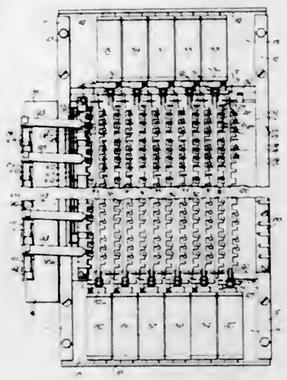


1. A beverage dispensing faucet comprising a pair of syrup control valves and a charged water control valve, an actuating member for each of said valves the outside actuating members each operating a syrup control valve, the center actuating member operating said water control valve and having a pair of lips, the outside actuating members having recesses for said lips so that when the center actuating member is operated it will only operate the water control valve, and when either one of said outside actuating members are operated they will simultaneously operate the center actuating member.

2,573,889
AUTOMATIC TELEPHONE SWITCHING MECHANISM
Hans P. Boswau, Dundee, Ill.
Application December 14, 1948, Serial No. 65,218
14 Claims. (Cl. 179—27.54)

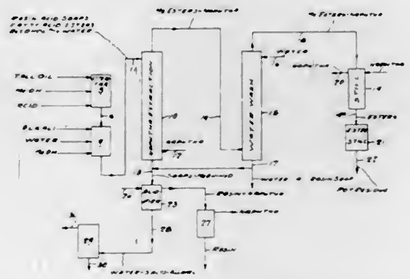
2. In a switch of the crossbar or coordinate type, means forming sets of rows of holes for supporting removable conductor bars arranged in sets of units groups representing the terminals

of lines having identical units digits, a means forming units bank spring for each row, and means forming contact fingers extending from



said bank springs, one for making contact with each conductor bar in each row, the free ends of said contact fingers being formed to point in alternately opposite directions.

2,573,890
SEPARATION OF TALL OIL COMPONENTS
Roger M. Christenson and Ralph E. Harpt, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application September 4, 1948, Serial No. 47,836
13 Claims. (Cl. 260—97.6)

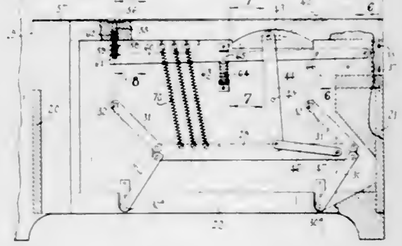


1. In a process of fractionating tall oil to separate the rosin acids from the fatty acids, the steps which comprise esterifying the fatty acids with lower aliphatic alcohol, diluting of the mixture with water, neutralizing the rosin acids with sodium hydroxide, making up 1 volume of the resultant mixture of rosin acid soaps and fatty acid esters into a solution containing 25 to 62% solids, 7 to 60% of a lower alcohol and 15 to 70% water, and countercurrently contacting the resultant solution with 1 to 20 volumes of naphtha by continuously introducing the solution into an upper portion of a vertically elongated extraction zone and continuously introducing the naphtha into a lower portion of the same zone and drawing off a naphtha solution of esterified fatty acids above the point of introduction of the solution and drawing off a solution of water and lower aliphatic alcohol containing the rosin acid soaps below the point of introduction of the naphtha.

2,573,891
RECOVERY OF STEROLS
Roger M. Christenson, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application May 9, 1950, Serial No. 160,919
17 Claims. (Cl. 260—397.2)

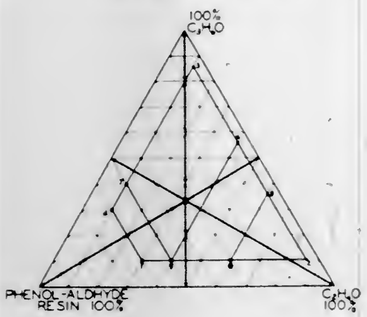
1. In a process of obtaining a concentrate of sterols, the steps of acidifying a soap from a glyceride oil containing sterols to liberate free fatty acids, washing the resultant mixture comprising fatty acids of different degrees of saturation and unsaponifiable matter of a glyceride oil with water to remove water soluble constituents, then intimately commingling said mixture with a system of a polar solvent and a non-polar solvent, which is not completely miscible with the polar solvent, separating the system into two phases, one of which comprises a liquid extract phase of polar solvent in which are dissolved fatty acids of a relatively high degree of unsaturation and a low sterol content, and the other of which comprises a liquid raffinate phase of non-polar solvent in which is dissolved a fraction of relatively more saturated fatty acids enriched in sterols, separating the phases, evaporating the solvents from the raffinate phase, and selectively removing fatty acids therefrom to provide said concentrate.

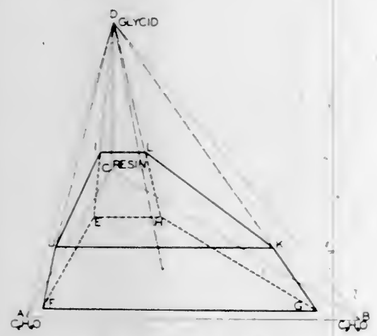
2,573,892
CONVERTIBLE DAVENPORT AND BED
Thomas F. Cooney, New Haven, Conn.
Application January 21, 1946, Serial No. 642,524
2 Claims. (Cl. 5—18)



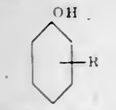
2. A davenport bed construction comprising a main frame having rigidly connected end sections, an auxiliary frame slidably connected to the main frame for retraction between said end sections and extension therefrom, a cushion member pivotally connected to said auxiliary frame to swing upwardly and outwardly therefrom, a braking member on said auxiliary frame adapted to frictionally engage one of said end sections, said member comprising a plunger movably mounted in the auxiliary frame, spring means urging said plunger out of engagement with said main frame, a lever pivoted on the auxiliary frame and having one end engaged with said plunger, a compression spring disposed between said end of the lever and a part of the plunger, a link pivoted to the cushion and having a pin and slot connection with the auxiliary frame, and said link engaging the other end of said lever when the cushion is swung outwardly.

2,573,893
CERTAIN POLYOL ETHERS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application December 22, 1949, Serial No. 134,580
7 Claims. (Cl. 260—53)



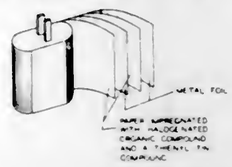


1. A cogeneric mixture of a homologous series of glycol ethers of oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenol-aldehyde resins; said cogeneric mixture being derived exclusively from phenol-aldehyde resins, glycide, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies within the truncated trapezoidal pyramid identified as E, F, G, H—I, J, K, L in Figure 4, with the proviso that the percentage of glycide is within the limits of 2% to 25% by weight and that the remaining three initial reactants, recalculated to a 100% basis, lie within the trapezoidal area defined in Figure 3 by points 1, 2, 3 and 4; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para.

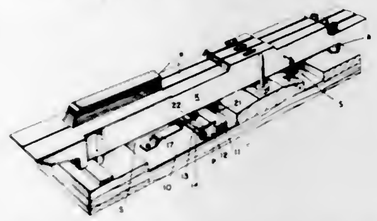
2,573,894
COMPOSITIONS OF MATTER COMPRISING HALOGENATED ORGANIC COMPOUNDS
Arthur M. Ellenburg, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application August 10, 1949, Serial No. 109,576
16 Claims. (Cl. 252—65)



15. A capacitor impregnant having substantially the following composition:

	Per cent by weight
Chlorinated biphenyl containing from 42% to 60% by weight of chlorine	0–100
Chlorinated aromatic compound other than chlorinated biphenyl	About 100–0
At least one of the group of compounds defined by the following general formula: $R_{v-n}Sn-(C_4H_3S)_n$ in which R represents an organic radical, at least one of which is a thienyl radical and the remaining ones are selected from the group consisting of aliphatic, alicyclic and aryl hydrocarbon radicals, v corresponds to the valence of tin and n is selected from the group of values consisting of 1 and 2 when v is 2 and 1, 2, 3 and 4 when v is 4	0.01–4

2,573,895
ELECTRIC SWITCH
Arthur F. Evett, Brookfield, Ill., assignor to Central Commercial Industries, Inc., Cook County, Ill., a corporation of Delaware
Application April 25, 1951, Serial No. 222,821
3 Claims. (Cl. 200—52)

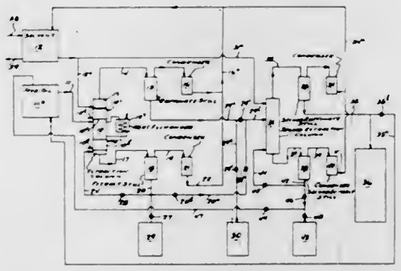


1. An electric switch assembly comprising a flat base member of electrical insulating material of given length and width; a series of similar electric switches mounted on said member in longitudinal row formation with the individual switches spaced apart from each other, a pair of longitudinally disposed vertically spaced apart bus-bars supported by said member and electrically insulated from each other, each separate switch comprising a leaf spring having one end attached to said base member and its other end free and formed for coaction with a pivoted key to flex the spring in response to pivotal motion of the key, and a resilient contactor having a free end projecting through the space between said bus-bars and connected with said leaf spring for flexure of said contactor from a position of electrical engagement thereof with one of said bus-bars to a position of electrical engagement with the other bus-bar in response to said motion of the key.

2,573,896
TREATMENT OF GLYCERIDE OILS
Stephen E. Freeman, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application August 1, 1945, Serial No. 608,119
5 Claims. (Cl. 260—428.5)

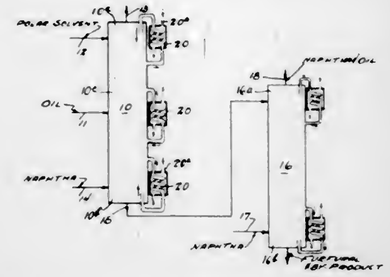
1. A method of treating glyceride oil containing glycerides of different degrees of unsaturation which comprises extracting the oil with furfural to provide a liquid furfural solution which contains unsaturated glycerides and a second liquid phase which contains relatively more saturated glycerides, separating the liquid furfural solution from the second liquid phase, extracting the furfural solution with a liquid paraffin hydrocarbon to separate glycerides therefrom, leaving in the furfural a concentrate comprising unsaponifiables and saponifiables, saponifying the saponifiables and extracting unsaponifiables with a petroleum hydrocarbon.

2,573,897
SOLVENT EXTRACTION OF VITAMIN A FROM FISH LIVER OIL
Stephen E. Freeman, Pittsburgh, Pa., and Stewart W. Gloyer, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application January 29, 1947, Serial No. 725,108
9 Claims. (Cl. 167—81)



1. A process of obtaining a concentrate of vitamin A from fish liver oil containing said vitamin which process comprises passing the oil upwardly in countercurrent flow through a vertically elongated zone of downwardly flowing organic polar solvent which is partially miscible therewith, the oil-solvent mixture in the upper portion of the zone being maintained at a substantially higher temperature than the solvent containing dissolved oil in the lower portion of the zone whereby to obtain a cool extract of glyceride oil and solvent which is highly enriched in vitamin A and a warm raffinate which is correspondingly impoverished in vitamin A, drawing off the raffinate at the top of the zone and the solution of solvent and extract at the bottom of the zone and evaporating the solvent to obtain the concentrate.

2,573,898
USE OF NAPHTHA REFLUX
Stephen E. Freeman, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 22, 1948, Serial No. 34,453
7 Claims. (Cl. 260—428.5)

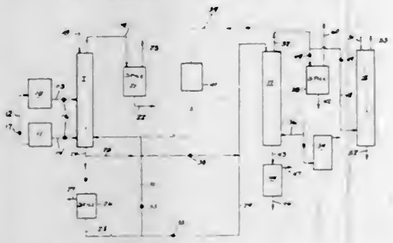


1. A process of obtaining a fraction of glyceride oil of high iodine value, good color and relatively low free fatty acid content, from an oil of low iodine value containing substantial amounts of the foregoing impurities, which method comprises the steps of counter-currently flowing the oil to furfural by introducing furfural into an upper part of an elongated extraction zone, and oil into the same extraction zone at a point below the point of introduction of furfural, then further introducing a reflux of naphtha at a point below that of introduction of the oil in an amount and at a temperature to obtain a furfural extract solution comprising 10 to 70% of the oil, withdrawing the furfural extract solution at the bottom of the extraction zone, then further extracting at least 95% of the glycerides of the oil from the furfural extract solution with naphtha, in a second extraction zone and evaporating the naphtha to recover the fraction.

2,573,899
SOLVENT FRACTIONATION OF GLYCERIDE OILS
Stephen E. Freeman, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 22, 1948, Serial No. 34,454
25 Claims. (Cl. 260—428.5)

1. A process of treating a natural glyceride oil which contains fractions of different degrees of unsaturation in order to obtain therefrom a fraction comprising relatively highly saturated glycerides, a second fraction comprising relatively highly unsaturated glycerides, and a third fraction comprising free fatty acids and unsaponifiables which process comprises dissolving 10 to 25% of naphtha in the oils, effecting an initial fractionation of said oils by extraction with furfural to obtain two liquid phases, one comprising the more highly saturated glycerides containing a small amount of furfural dissolved therein and the second comprising the more highly unsaturated glycerides, free fatty acids and unsaponifiables dissolved in furfural, then treating the latter phase with naphtha to split it into two additional phases, one comprising the more highly unsaturated glycerides dissolved in the naphtha and the other comprising furfural containing dissolved therein the major portion of the unsaponifiables, free fatty acids and a minor amount of glycerides of a relatively highly unsaturated nature.

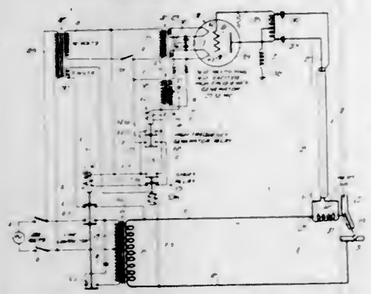
2,573,900
TREATMENT OF GLYCERIDE OILS
Stephen E. Freeman, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 26, 1948, Serial No. 62,089
19 Claims. (Cl. 260—428.5)



4. In a method of treating an oil comprising a mixture of glycerides of different degrees of unsaturation, the steps which comprise extracting the oil with sufficient furfural to provide a liquid furfural solution which contains relatively more unsaturated glycerides and a second liquid phase which contains relatively more saturated glycerides, separating the furfural phase, removing a substantial portion of the furfural therefrom and extracting the resulting liquid residue with a liquid aliphatic hydrocarbon.

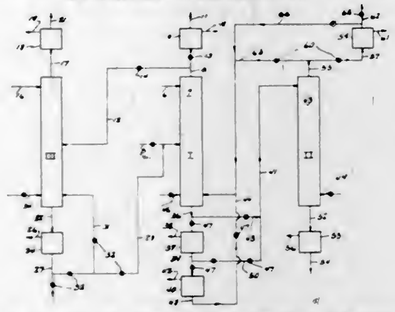
18. A method of treating unsaturated glyceride oils which contain fractions of different degrees of unsaturation, which comprises introducing glyceride oil into an intermediate point in an extraction column, introducing selective polar solvent into the column at a point above the oil inlet and liquid aliphatic hydrocarbon into the column at a point below the oil inlet whereby oil and hydrocarbon flow countercurrently to the polar solvent, and withdrawing an oil raffinate from the upper portion and a polar solvent solution of the more unsaturated glycerides of the oil from the lower portion of the column from which polar solvent solution the liquid aliphatic hydrocarbon has pulled out relatively more saturated glycerides.

2,573,901
ARC WELDING SYSTEM
Dean C. Girard, San Leandro, and Frank T. Roach, Hayward, Calif., assignors, by mesne assignments, to National Cylinder Gas Company, a corporation of Delaware
Continuation of application Serial No. 67,795, December 29, 1948. This application March 7, 1950, Serial No. 148,162
12 Claims. (Cl. 171—97)



12. A system for controlling the energization of an intermittently loaded power circuit comprising, in combination, a transformer having a primary winding for energization from a source of alternating current and a secondary winding for connection to said power circuit, a line contactor for connecting said primary winding for energization to said source of alternating current, a first relay, circuit means connecting said first relay to be energized from a separate current source in series with said power circuit when it is short circuited and said line contactor is open, a second relay, and circuit means connecting said second relay to be energized as a result of the energization of said first relay and arranged on removal of the short circuit and deenergization of said first relay to energize said line contactor.

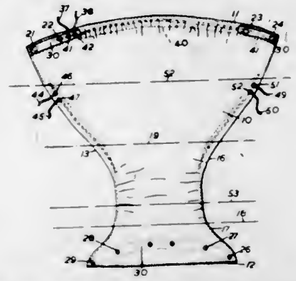
2,573,902
SOLVENT CONCENTRATION OF VITAMINS
Stewart W. Gloyer, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application July 9, 1949, Serial No. 103,880
14 Claims. (Cl. 167—81)



1. A process of obtaining glyceride oil solutions of high vitamin A concentration from fish liver oils containing said vitamin in low concentration, which process comprises countercurrently extracting the glyceride oil in a first vertically elongated zone with a liquid polar compound which is a partial solvent of the oil and is relatively insoluble in naphtha, in a ratio of about 3 to 30 parts of the solvent per part of oil, introducing a reflux comprising a small amount of naphtha into the zone near the bottom thereof and the zone being maintained at a temperature to obtain solution in said solvent of about 2 to 30 percent of the oil as an extract phase, the extract in said solvent comprising unsaturated glycerides, free fatty acids and vitamin A, and further to obtain a raffinate fraction comprising the rest of the oil, extracting out the glycerides and vitamin A from the solution and leaving the fatty acids in solution in the solvent, by passing the extract solution to a second vertically elongated zone and contacting the extract solution in the second zone with naphtha whereby to obtain a solution of glyceride oil and vitamin A in the naphtha and a by-product impoverished in vitamin A and comprising the fatty acids in solution in the polar solvent and recovering the glyceride oil and vitamin A from the naphtha.

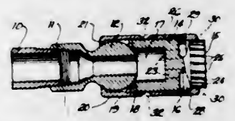
2,573,903
WATERPROOF GARMENT
Valerie Margaret Frances Gordon, Camberley, England
Application November 21, 1949, Serial No. 128,530
In Great Britain January 4, 1949
6 Claims. (Cl. 128—287)

1. A waterproof knickers-like garment comprising a sheet of waterproof material having connectible ends to form the waist wherein the back edge is between 50 and 85 per cent wider than the front edge, and is between 80 and 110 per cent of the length of the garment, and the sides are cut away to leave the front edge wider than the narrowest part of the garment which narrowest part is located between transverse lines one sixth and one half of the length of the garment from the front edge, said narrowest part being from 5 to 40% smaller than the front edge, connecting means for connecting the corners and which means are located only adjacent the back edge and adjacent the front edge, said connecting means comprising fastener means at



each corner spaced apart around the waist in such positions that the corners of the back edge considerably overlap the corners of the front edge and can be fixed in the overlap position, draw tape waist adjusting means to adjust the size of the waist by holding the back in any required gathered condition, and draw tape side adjusting means provided in the backs only of the legholes to adjust the size of the legholes by holding the backs of the legholes in any required gather condition; all the gathering being at the back of the body, causing fullness in the correct place to fit the rounded buttocks, the remaining side edges under the crutch and in the groin being free from draw tapes.

2,573,904
SHOWER HEAD
Richard M. Grossman, Chicago, Ill.
Application January 4, 1950, Serial No. 136,786
19 Claims. (Cl. 299—141)



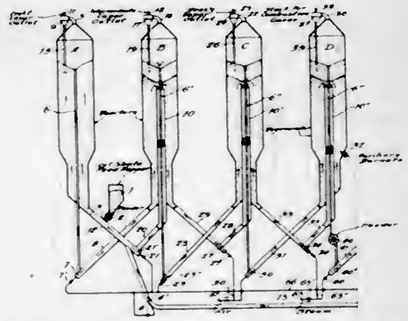
1. A shower head comprising a relatively short unitary core member having a rigid outer end section, said member having a water supply connection at its inner end and a threaded exterior, an adjusting sleeve-like collar threaded on the member and having its outer end portion closely engaging the peripheral edge of said end section of the core member, a water passage in said member from the said connection to said end section, and spaced tapering spray grooves in and around one of the engaging surfaces of said adjusting collar and said end section and covered by the other surface, whereby the size of the individual spray streams issuing through said grooves may be varied by rotatively adjusting said adjusting collar.

2,573,905
SLUDGE REMOVING SYSTEM
Henry W. Hapman, Detroit, Mich., assignor, by mesne assignments, of forty per cent to Hannah J. Hapman, Detroit, Mich.
Application November 20, 1946, Serial No. 711,071
2 Claims. (Cl. 210—55)



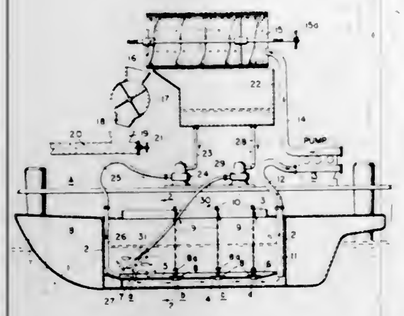
1. A sludge collection and removal apparatus comprising a sludge settling tank, a sludge-contaminated liquid collection conduit disposed externally of said tank on a level with the upper portion of said tank and having a length exceeding the length of said tank, said collection conduit extending from a sludge-collecting location remote from said tank to a connection with said tank, a sludge discharge conduit extending upwardly out of said tank to a sludge disposal station disposed externally of said tank, and a single endless flight conveyor mounted in said conduits and tank and extending through said collection conduit downwardly through the lower portion of said tank and upwardly through said discharge conduit to said sludge disposal station and returning to said collection conduit.

2,573,906
MULTISTAGE CATALYTIC CONVERSION OF BITUMINOUS SOLIDS
Lyman C. Huff, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 18, 1944, Serial No. 568,738
4 Claims. (Cl. 202—14)



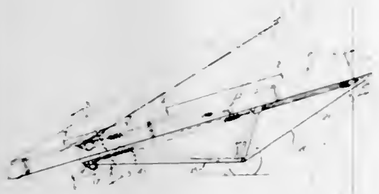
3. A process for the recovery of hydrocarbons from solid bituminous material having a natural mineral content of silica and alumina which comprises augmenting the silica and alumina content of said material by commingling the bituminous material in subdivided form with a substantial quantity of silica-alumina catalyst particles of higher catalytic activity than said natural mineral content, maintaining the resultant mixture in a substantial body under distillation conditions, fluidizing said body during the distillation to separate catalyst particles from residual bituminous solids, and separately removing from said body a predominantly catalyst stream and a stream predominating in residual bituminous solids.

2,573,907
APPARATUS FOR HANDLING FISH
Hanna R. Humphreys, Weems, Va., assignor to The Humphreys Railways, Inc., Weems, Va., a corporation of Virginia
Application October 7, 1946, Serial No. 701,657
3 Claims. (Cl. 214—14)



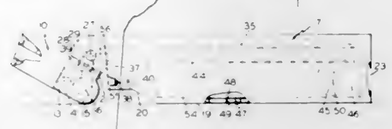
1. In a system for handling fish, the combination with a boat having a compartment adapted to contain a mass of fish, of a duct extending along the bottom of said compartment, having an inlet opening in its top wall adjacent one end, the upper surface of said top wall being substantially smooth, a suction pipe communicating with the other end of said duct, a pump connected with said suction pipe, and means for directing a high pressure jet of water over the smooth surface of said duct longitudinally thereof beneath the mass of fish towards and into said opening, whereby the fish adjacent said opening are caused to enter the same and to pass through said duct toward said suction pipe.

2,573,908
PORTABLE ELEVATOR WITH TENSIONING MEANS FOR RAISING CONVEYER CHUTE
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 13, 1949, Serial No. 93,026
6 Claims. (Cl. 198—233)



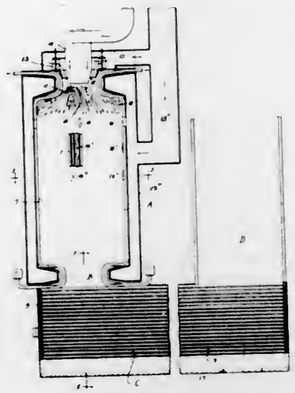
1. A portable elevator comprising a main frame supported on ground wheels, a conveyor trough having a movable conveyor supported thereon, means pivotally connecting one end of said conveyor trough to the main frame, means for positioning said conveyor trough in a plurality of inclined positions with respect to the ground including a triangular shaped frame structure, said frame structure including a pair of forwardly extending frame members, said frame members having rearward ends pivotally connected to the main frame, the frame members converging toward the conveyor trough, means connecting the forward ends of said frame members, said means being arranged to slidably engage the conveyor trough, a pair of supporting members rigidly connected to the frame members adjacent their rearward ends thereof, said supporting members extending upwardly toward said conveyor trough, a pair of forwardly extending tension members connected to the supporting members and to the forward ends of the frame members, means for pivoting said frame thereby moving said conveyor trough including a winch mechanism supported by the main frame, said winch mechanism having a flexible element connected to the triangular frame structure, a pair of springs supported at one end by the main frame, means connecting said springs adjacent to the connection of said supporting members with said tension members, said springs being normally in tension thereby urging said triangular frame structure to pivot on said main frame for assisting in moving said conveyor trough.

2,573,909
CORNHUSKING ATTACHMENT FOR PORTABLE FARM ELEVATORS
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 6, 1949, Serial No. 131,405
2 Claims. (Cl. 130—5)



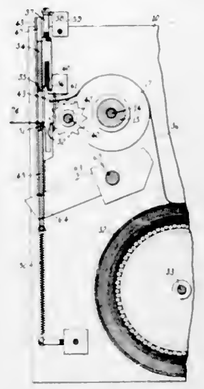
2. A husking attachment for a portable farm elevator having a conveyor trough comprising a longitudinally extending receiving hopper connected to said conveyor trough at one end and provided with an outlet opening in the other end; corn husking means extending substantially the entire length of said hopper; ear conveyor means positioned above and along the sides of the husking means for moving the ears toward said conveyor trough; a husk-receiving chamber beneath said husking rolls; conveyor means adapted to operate within said husk-receiving chamber for moving nusks away from said conveyor trough toward said outlet opening; a corn saving grid supported within said hopper beneath said husking means adapted to form the bottom of the husk-receiving chamber; a shelled corn receiving compartment including the bottom wall of said hopper; means including said conveyor means movable over said bottom wall for delivering shelled corn to said conveyor trough; discharge means enclosed within said hopper for expelling husks from the hopper, said conveyor means being movable between said discharge means and said outlet opening; and drive means for receiving power from said portable farm elevator for driving said corn husking, ear conveyor, conveyor, and discharge means including a transversely extending shaft rotatably mounted on said hopper, said shaft having portions cooperative with said conveyor trough to provide a pivotal connection whereby said hopper may be swung with respect to said farm elevator.

2,573,910
METHOD FOR BURNING PULVERIZED COAL
Henry Kreisinger, Piermont, N. Y., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application August 21, 1945, Serial No. 611,762
3 Claims. (Cl. 110—28)



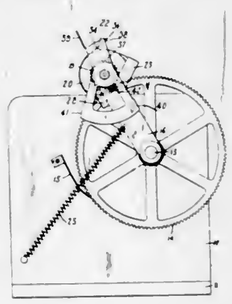
1. The process which comprises delivering at high velocity a rotating annular mixture of finely divided high ash coal and primary air in a downward direction in flaring form and toward the wall of a vertically disposed small cyclone furnace to concentrate fuel in an annular zone adjacent the furnace wall, igniting the fuel at entry into the furnace and burning it while imparting to and continuously maintaining rotary movement of the body of fuel, flame and gases about a vertical axis, whereby unconsumed particles of fuel and ash are caused by centrifugal force to move towards the furnace wall during such rotation and whereby the central portion or core of such body tends to become oxygen rich and fuel lean and said annular zone adjacent the wall to become fuel rich, repeatedly driving peripheral portions of fuel in said zone inwardly away from the wall of the furnace into the oxygen rich core by continuously supplying high velocity, high pressure air in a direction inwardly and tangentially at a plurality of vertically spaced levels in the furnace and at a plurality of circumferentially spaced points at each level, said levels being a substantial vertical distance apart whereby high turbulence and intensive mixing over the entire cross section are provided at said levels by which unconsumed fuel and oxygen are mixed and whereby said air also serves to impart and maintain said rotary movement of said body, said rotary movement intermediate said levels being by itself relatively non-turbulent, maintaining furnace temperatures sufficiently high to produce molten slag on the furnace wall, collecting incombustible solids by said slag, gravity discharging the slag from the bottom of the furnace, burning adjacent said wall any solid combustible particles adhering to said slag covered wall, maintaining a pressure within said furnace substantially above atmospheric to produce extremely high rates of combustion, substantially completing combustion within said furnace, and collecting said slag for discharge below the said furnace.

2,573,911
TAPE-DISPENSING DEVICE
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application July 12, 1946, Serial No. 683,247
22 Claims. (Cl. 164—39)



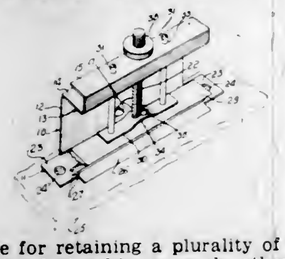
1. A machine for dispensing pressure-sensitive tape, comprising tape-feeding means including a tape-advancing member to which the tape adheres, movable stripping means to strip the free end of the tape from said member, severing means, and means to effect relative movement between the severing means and the stripped portion of the tape to sever the latter.

2,573,912
TAPE-DISPENSING MACHINE
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application April 16, 1947, Serial No. 741,899
18 Claims. (Cl. 164—84.5)



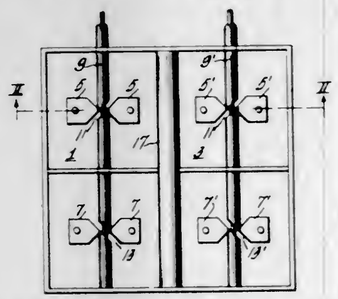
1. A machine for dispensing pressure-sensitive tape comprising a frame, a feed drum to which the tacky side of the tape adheres, a carrier on which said drum is mounted for rotation relatively thereto, means for mounting said carrier on the frame for movement in a forward tape-feeding direction and in a reverse direction, and cooperating means on the frame and drum to effect rotation of the drum relatively to the carrier by movement of the carrier in a tape-feeding direction.

2,573,913
PAPER CLAMP
Chain Ki Ku, New York, N. Y.
Application March 8, 1949, Serial No. 80,151
5 Claims. (Cl. 24—66)



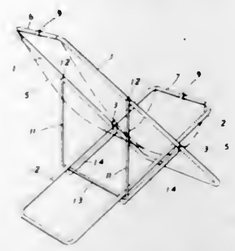
1. A device for retaining a plurality of sheets in assembled relationship to each other, said device comprising a frame having a bottom wall and spaced top walls integrally joining the bottom wall by a perpendicular back wall, the bottom wall having a bevelled edge facilitating guidance of sheets onto the upper surface of the bottom wall, an elongated clamp bar arranged between the bottom and top walls, spaced rods on said bar and operatively engaging the top walls to guide said bar and maintain alinement thereof with respect to the bottom wall, a bowed coupling plate secured to the top of the bar by said rods, a nut supported between the top walls, a screw engaging said nut, a head at the lower end of the screw engaging the bowed portion of the coupling plate in coupling the bar with said screw, and a fingerpiece on said screw to move the bar toward said bottom wall in clamping a plurality of sheets between said bar and bottom wall.

2,573,914
ANTENNA SYSTEM
Vernon D. Landon, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1949, Serial No. 107,792
8 Claims. (Cl. 250—33.65)



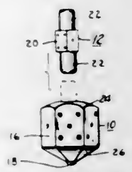
1. In a radio antenna system including closely adjacent transmitting and receiving antennas, each including at least one doublet and a reflector, wherein both electric and magnetic coupling exists between said antennas, the method of minimizing feed-through comprising the steps of tilting one of said doublets as a whole with respect to said reflector to minimize one of said components of coupling, bending the arms of said doublet with respect to each other to minimize the other of said components of coupling, and similarly tilting and bending the other of said doublets to further reduce said respective components of coupling.

2,573,915
FOLDING CHAIR
Alfred Lewis, Chingford, England
Application May 13, 1947, Serial No. 747,687
In Great Britain August 6, 1946
2 Claims. (Cl. 155—142)



1. A folding chair comprising two rectangular frames pivoted to one another and furnished with a yoke shaped strut the ends of which are pivoted to one of the chair frames, said strut having a transverse rail which rides in guide slots provided for the purpose in association with the other frame of the chair, the guide slots extending from a location in the vicinity of the pivotal connection between the frames, which location the rail occupies when the chair is collapsed, to a point which it occupies in the erected position.

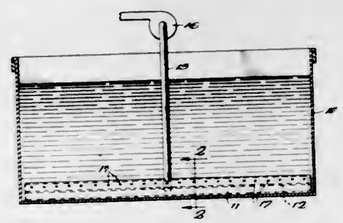
2,573,916
GAME TOP
Julius Weller Loveday, Detroit, Mich.
Application March 6, 1947, Serial No. 732,740
2 Claims. (Cl. 273—147)



1. A game top comprising, in combination, a member terminating in a pointed end upon which the member can spin on a flat surface and provided with a plurality of similar exterior flat side faces circularly spaced around the axis of the member, each of said side faces being distinctively marked and adapted to support the member at rest on a flat surface and expose the opposite side face in uppermost position, said member having a cavity opening out through the end thereof opposite to said pointed end and shaped with a plurality of similar interior flat side faces extending to the edge of the opening of the cavity, a handle element for spinning the top provided with a body portion having a plurality of similar exterior flat side faces circularly spaced around the axis of the handle element and corresponding in number to said interior side faces of the member and further having a stem portion projecting from one end of the body, each of said side faces of the handle element being distinctively marked and adapted to support the handle element at rest on a flat surface and expose the opposite side face in uppermost position, said body portion of the handle element being dimensionally shaped to endwise slidably

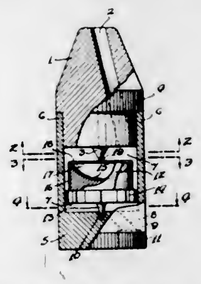
fit within the cavity of the member and being snugly received therein with its exterior flat side faces in juxtaposed complementary relation to the interior flat side face of the member and with the stem portion projecting outwardly from the member to provide a finger grip, said complementary opposed side flat faces releasably interlocking the handle element to the member for joint spinning motion as one piece on said pointed end of the member but enabling the handle element to readily separate from the member when the latter stops spinning and falls on its side.

2,573,917
SAND FEEDER
Roy L. Luce, Chicago, Ill., assignor to The Hydro-Blast Corporation, Chicago, Ill., a corporation of Illinois
Application December 29, 1949, Serial No. 135,709
4 Claims. (Cl. 302—15)



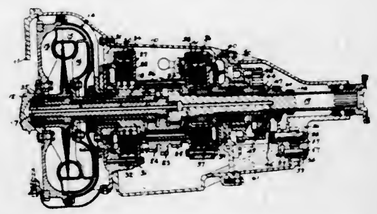
1. A sand feeder for feeding a flowable mixture of sand and water from a tank comprising a hollow housing, an intermediate horizontal wall in the housing dividing it into an upper chamber and a lower chamber, an outlet connection from the lower chamber, the upper part of the housing being formed with a series of inlet openings communicating with the upper chamber and spaced different distances from the outlet connection, and the intermediate wall being formed with a series of openings spaced horizontally from the inlet openings an amount at least as great as the vertical distance between the intermediate wall and the inlet openings times the tangent of the angle of repose of wet sand.

2,573,918
DEVICE FOR DISPENSING MEDICAMENTS
Robert Ellis McCuiston, Greensboro, N. C., assignor to Vick Chemical Company, a corporation of Delaware
Application November 5, 1949, Serial No. 125,799
3 Claims. (Cl. 128—206)



3. An assembly including an outer assembly having a base and a top fitted one within the other to form a hollow cylinder, both the upper, inner surface of the base and the lower, inner surface of the top being provided with centrally positioned bearing means, the base having a hole leading from the outside to the inside of the cylinder and opening into the inside of the cylinder near the periphery thereof and at an angle to the axis of the cylinder, and the top having a hole leading from the interior of the cylinder to its upper surface; and an inner assembly rotatably mounted within said hollow cylinder on the said bearing means, said inner assembly including a bottom element having a concave upper surface forming a cup-like depression therein, peripherally positioned fins on said element adapted to be impelled by a flowing fluid medium thereby to impart rotational movement to said element, and a cover for said element having peripherally disposed openings.

2,573,919
TRANSMISSION
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 8, 1946, Serial No. 652,837
26 Claims. (Cl. 74—472)

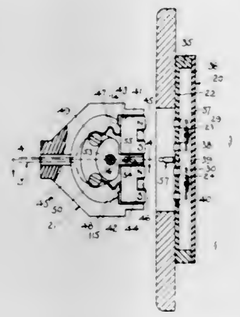


1. In a transmission for motor vehicles having an engine; a driving shaft adapted to receive drive from the engine; a driven shaft; means for driving the driven shaft from the driving shaft at a speed less than that of the driving shaft, said driving means including gears rotatable with said shafts, planet gears meshing with said gears and a carrier for the planet gears; a brake device for the carrier for causing reduced driving speed through the driving means when applied; a pressure fluid system for controlling said device; a compound valve device in the fluid system having two relatively movable members; driver operable means for one of the valve device members; electrically energized means for shifting the other valve device member into closed position when energized; means operable by the vehicle driver for controlling said electrically energized means; spring means normally urging said electrically shifted valve member into open position; and spring means normally urging said driver operated valve member into closed position.

2,573,920
COUPLING ACTUATED MAGNETIC SWITCH
William McLeod, Chicago, Ill.
Application April 25, 1949, Serial No. 89,386
2 Claims. (Cl. 200—51.09)

1. A detachable electric fixture comprising in combination a socket element and a companion plug element, said socket element including a partition of insulating material, two pairs of studs of magnetizable material extending through said partition, two leaf springs corresponding to said pairs of studs and located at one side of said

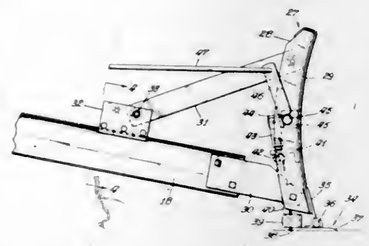
partition and having their anchored ends secured to the partition and their free ends in proximity to the corresponding pairs of studs and normally retracted from said studs by the bias of said leaf springs and movable towards said studs against such spring bias, a magnetizable armature carried by the free end of each leaf spring in position for energization by magnetic flux flowing through the corresponding pair of studs to thereby draw said armature into engagement with said studs when said studs are magnetically energized to thereby electrically contact said armature with said studs at such time, and electrical terminals in connection with said leaf springs, and said plug element comprising a housing, a pair of permanent U-shaped magnets individually movably mounted within said housing and electrically insulated from each other and said magnets being spaced apart to correspond to the spacing apart of the pairs of studs, and the poles of each



magnet being spaced to correspond to the spacing of the studs of the corresponding pair of studs, the poles of said magnets facing outwardly from said housing and being directly engageable with the ends of the studs opposite to the stud ends engageable by said armatures aforesaid to thereby establish electrical engagement with said studs, and to subject the studs to magnetization by said magnet poles, whereby when the plug element is brought into position with respect to the socket element to register the magnet poles with the studs magnetic influence is transmitted through the studs to draw the armatures into engagement with the studs to thereby complete electrical circuits to the magnets from the electrical terminals aforesaid, and whereby the U-shaped magnets are individually movable into contact with the corresponding studs, together with electrical connections from the magnets to suitable delivery lines.

2,573,921
SCRAPER BLADE
Gordon G. McNamara, Jr., Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 17, 1946, Serial No. 691,203
4 Claims. (Cl. 37—143)

1. An earth moving implement comprising a mobile frame, an earth working element associated with said frame in transverse relation with respect to the direction of movement of said frame, a combined gauging and cutting blade pivotally connected to the lower portion of said earth working element and coextensive therewith, said blade normally being positioned in a horizontal plane and having tapered cutting edges extending forwardly and rearwardly of said earth working element, and means connected to



said blade for angularly moving the same with respect to said earth working element.

2,573,922
AUTOMATIC GRIPPING SPATULA
August M. Meyer, Camas, Wash.
Application December 12, 1949, Serial No. 132,521
1 Claim. (Cl. 294—99)



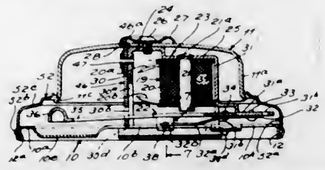
A culinary utensil comprising in combination, a pair of tongs formed of a single strand of spring wire looped into a coil spring intermediate its ends and folded back on itself into substantially parallel relation to each other, a plate secured to the outermost end of each of said tongs and arranged one above the other, each of said plates being of arcuate shape in longitudinal cross section, the bottom one of said plates having its rearward portion turned upwardly into a vertical wall, a vertical slot formed in said wall and closed at both of its ends, one edge of said slot having notches formed therein, one of said tongs extending through said slot and being urged into selective engagement with said notches for maintaining said plates in selective spaced relation to each other.

2,573,923
EAR PROTECTOR
David Mezz, New York, N. Y.
Application April 7, 1950, Serial No. 154,490
2 Claims. (Cl. 128—151)



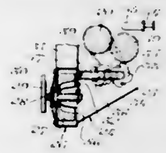
1. An ear protector for the prevention of entry of water into the ear comprising, a plug for insertion in the ear passage, said plug having a shank formed with a continuous spiral ridge, said ridge defining a spiral groove between its convolutions, the ridge being smoothly rounded and formed without sharp edges.

2,573,924
AUDIBLE ELECTRIC SIGNALING APPARATUS
Christian Miller, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application December 31, 1948, Serial No. 68,698
4 Claims. (Cl. 177—7)



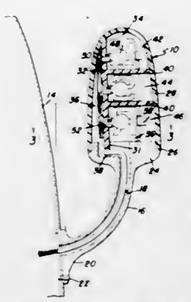
1. In a signalling construction, in combination, a sheet-metal frame carrying an electro-magnet and having an arm-like extension that is bendable relative to the rest of the frame, said extension having secured thereto a flat spring element carrying an armature element for coaction with said electro-magnet, signalling means responsive to actuation of said armature, and means forming an enclosure for said electro-magnet and said arm-like extension, said frame extension having means engageable by a tool for bending it relative to the rest of the frame and thereby to fix the relationship between the armature element and said electro-magnet and said enclosure means having aperture means through which said tool may be introduced and engaged with said frame extension.

2,573,925
CORN PICKER AND HUSKER WITH GRAIN RECOVERY DEVICE
Melville J. Mitchell, Highland Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 8, 1947, Serial No. 772,680
3 Claims. (Cl. 130—5)



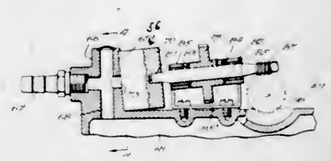
1. In a corn picking and husking machine including a pair of upwardly and rearwardly inclined cooperative husking rolls, hopper means at the rear of the machine for receiving husked ears of corn, an ear conveyor means positioned adjacent said rolls and adapted to transport ears upwardly and rearwardly to said hopper means, a housing structure located beneath the cooperative husking rolls for receiving kernels of corn shelled by the husking rolls, means beneath the husking rolls for discharging husks and trash laterally of said housing structure, a forwardly and downwardly inclined floor in said housing structure for gravitationally feeding shelled corn laterally of and to the forward end of said husking rolls, fan means forming part of said housing and positioned adjacent the lower forward end of said inclined floor, and a conduit inclined upwardly and rearwardly from said fan means running past and substantially parallel to said husking rolls and discharging into said hopper means, whereby kernels of corn shelled during the husking of the ears of corn fall downwardly through the husking rolls and onto the forwardly and downwardly inclined floor whereupon they are delivered forwardly to the fan by gravity and thereupon delivered rearwardly to the hopper means.

2,573,926
DIRECTION INDICATING LIGHT
Arnold B. Ogden, Jefferson City, Mo., assignor of one-third to Mary Elyda Luse and one-third to Bessie L. Ogden, both of Jefferson City, Mo.
Application May 4, 1950, Serial No. 160,009
5 Claims. (Cl. 177—329)



1. A signal director comprising a support arm having a horizontally extending platform thereon, an upwardly extending hollow casing detachably secured to said platform, a vertically extending divider wall mounted on said platform and extending into said casing to provide a first and second compartment, a plurality of horizontally extending vertically spaced partition walls attached to said divider wall and extending into said first compartment to form a plurality of chambers therein, translucent panes in the forward and rear walls of said casing, illuminating means in each of said chambers, and conductors electrically connected to said illuminating means and extending into said second compartment.

2,573,927
PORTABLE MILKING MACHINE
John R. Orelind, Wilmette, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 30, 1947, Serial No. 794,495
5 Claims. (Cl. 119—14.38)



1. A pulsator for a milking machine comprising a pair of teat cup connections, a constant vacuum connection in communication with said pulsator, means alternately exposing said teat cup connections to atmosphere and vacuum including a movable valve member having a vacuum port in communication with said vacuum connection, said vacuum port being movable with said valve member into communication with a first teat cup connection for producing a depression therein, said valve member including an atmosphere port in communication with said atmosphere connection and in communication with a second teat cup connection for exposing

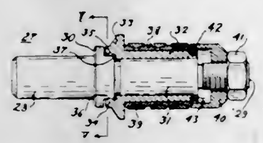
the same to the atmosphere, means for moving said valve-member to break communication between the first teat cup connection and the vacuum connection for a time interval whereby the first teat cup connection remains under a depression, said valve member including a bore arranged to simultaneously register with both of said teat cup connections whereby the depression within the first teat cup connection is equalized between both connections prior to the communication of the vacuum connection with said second teat connection upon further movement of said valve member.

2,573,928

CLAMPING SYSTEM

Oskar E. Peter, Oberkochen, Germany

Application September 8, 1949, Serial No. 114,540
In Germany May 20, 1948
8 Claims. (Cl. 279—2)



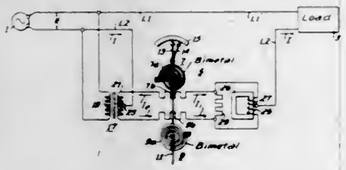
1. A rotatable clamping device comprising a group of continuously circular resilient rings including a series of inner rings with conical outer surfaces and a series of outer rings with conical inner surfaces bearing against the said conical surfaces of the inner rings, the rings in each series being normally spaced from each other, and means engageable with opposite ends of the group of rings and relatively movable to engage and laterally compress the group of rings, whereby the conical surfaces of the two series of rings are wedged together so that the outer series of rings expand to clamp an outer concentric piece while the inner series of rings contract to clamp an inner concentric piece, and said means being oppositely movable to relieve the lateral compression on the rings so that the rings may resiliently resume their initial form and alignment to unclamp the concentric pieces.

2,573,929

TEMPERATURE-COMPENSATED PHASE-CORRECTED THERMAL INSTRUMENT

Ambrose J. Petzinger, Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 26, 1947, Serial No. 763,809
12 Claims. (Cl. 171—34)



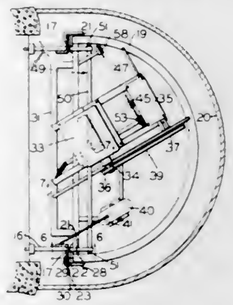
1. In an electrical system, a transformer having a primary winding and a secondary winding, a terminal, a separate conductive arm connecting each of the ends of the secondary winding to the terminal, each of said arms including an impedance having a ratio of reactive to resistive impedance selected to maintain the current supplied by the secondary winding substantially in phase agreement with the voltage across the primary winding, translating means responsive to the energizations of said arms, the reactive impedance in each of the arms comprising a separate half of a center-tapped inductive reactor, said reactor having its center tap connected to said terminal, and means including the terminal for energizing the arms in parallel.

2,573,930

FARM SILO PERSONNEL ELEVATOR

Adelbert C. Radtke, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application September 22, 1949, Serial No. 117,175
12 Claims. (Cl. 187—1)



12. In a silo having a plurality of longitudinally spaced discharge openings arranged along the height of the silo and a semi-circular access chute positioned over said openings and providing an outlet opening at its bottom, the combination comprising an elevator car adapted for longitudinal movement within said access chute, said elevator car including a semi-circular back portion adapted to conform to the semi-circular access chute, and a pair of depending members secured to said back portion; and a horizontal platform hingedly supported between said depending members below said back portion adapted to support the elevator operator, said platform being capable of pivoting to a vertical position whereby material from within said silo may be freely discharged through one of said discharge openings adjacent said elevator car to the outlet opening at the bottom of the access chute.

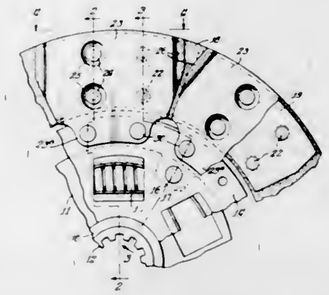
2,573,931

CLUTCH PLATE

Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application February 20, 1947, Serial No. 729,771
7 Claims. (Cl. 192—107)

1. In a clutch driven plate, a friction facing ring and a yieldable composite structure for mounting said friction facing ring on the central disc of a clutch plate assembly to be packed between a pair of clutch driving members, said composite structure comprising a yieldable thin flat sheet metal section for attachment to a non-yielding member of the clutch plate assembly, said yieldable flat sheet metal section having a plane smooth surface for frictional engagement with a clutch driving member; apertured embossments on said flat section projecting from the side thereof opposite said plane smooth surface; a structurally separate thin yieldable undulated cushion section spaced outwardly from the central disc and lying alongside said flat section and being spaced therefrom by said embossments; and rivets anchoring said cushion section to said



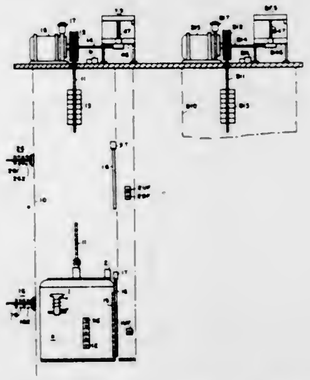
flat section with the rivet heads seated in said embossments, said cushion section defining the sole means for supporting said friction facing ring on the central disc in position for engagement between clutch driving members.

2,573,932

AUTOMATIC BANK OF ELEVATOR CARS

Danilo Santini, Tenafly, Phillip C. Keiper, Shrewsbury, and Walter H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 9, 1950, Serial No. 167,202
21 Claims. (Cl. 187—29)



1. In an elevator system for a structure having terminal and intermediate landings, driving means for moving the elevator relative to the structure for serving the landings, each of said intermediate landings having an up service control and a down service control operable by a person desiring respectively up or down elevator service, and control means responsive to an operation of one of said controls while the elevator car is positioned at the landing of the operated control with no direction preference established therefor for conditioning the elevator car for movement in the direction of travel corresponding to the operated control.

2,573,933

STABILIZATION OF MOTOR FUELS

Louis Schmerling, Riverside, and Joseph A. Chenicek, Bensenville, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 8, 1949, Serial No. 75,307
4 Claims. (Cl. 44—63)

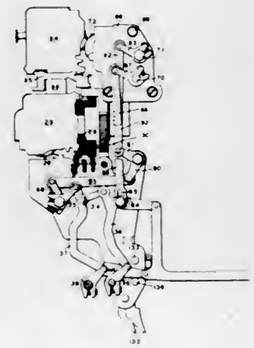
1. Olefinic gasoline containing a small amount of a 1-hydroxyphenyl-piperidine, sufficient to retard oxidative deterioration of the gasoline.

2,573,934

TOTALIZER SELECTOR MEANS FOR COMPUTING AND RECORDING MACHINES

Arthur C. Seymour, Frankfort, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application February 22, 1945, Serial No. 579,227
25 Claims. (Cl. 235—59)



1. In a computing and recording machine, a frame, a movable carriage supported on said frame, a totalizer truck mounted on said carriage, a set of vertical totalizers disposed on said truck, a second set of vertical totalizers mounted on said truck in position superposed with respect to the first set of totalizers, and a lever for simultaneously rendering one of said sets operative and the other set inoperative.

2,573,935

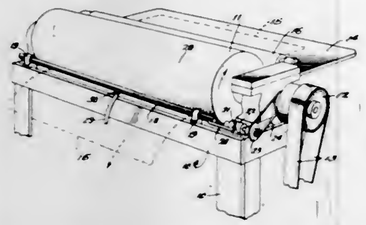
PROCESS FOR MAKING SHOT

Milo J. Stutzman, Kansas City, Mo., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware

No Drawing. Application September 10, 1948, Serial No. 48,770
3 Claims. (Cl. 18—47.2)

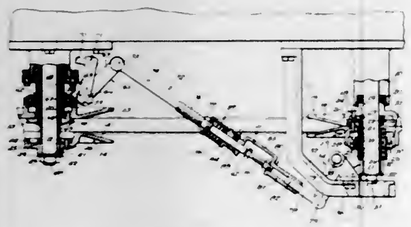
1. In the method of making ferrous shot, the step comprising dropping globules of molten metal into a quench bath composed of water containing an organic antioxidant which is water-soluble and which exerts a partial vapor pressure from water solutions, said antioxidant constituting not more than ten per cent by weight of the quench bath but at least sufficient to inhibit oxidation of the surface of said globules and at most less than sufficient to produce cavities in the globules.

2,573,936
LEATHER SANDING MACHINE
Harold Thede, Sheboygan, Wis., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application February 2, 1949, Serial No. 74,194
2 Claims. (Cl. 51—78)



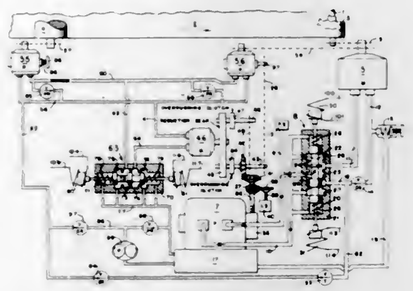
1. In a leather-treating machine having a driven cylinder equipped with an abrasive sheet and a resilient roll for urging a leather strip against said abrasive sheet, an air jet pipe mounted for reciprocation in front of said cylinder and provided with spaced openings, means for reciprocating said pipe, and slotted means associated with said pipe opening for directing horizontally-aligned fan-shaped streams of air toward the abrasive sheet of said cylinder.

2,573,937
VARIABLE-SPEED PULLEY AND V-BELT TRANSMISSION
Glen O. Turnbull, Rock Island, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 29, 1949, Serial No. 135,557
2 Claims. (Cl. 74—230.17)



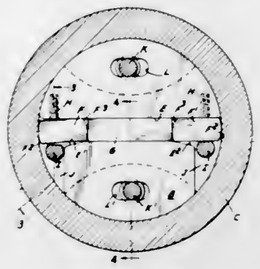
1. A variable speed pulley and V-belt transmission comprising a supporting structure, a driving shaft journaled on said supporting structure, a driven shaft parallel to and journaled on said supporting structure, a first adjustable V-pulley mounted on said driving shaft, a second adjustable V-pulley mounted on said driven shaft and in alignment with said first adjustable V-pulley, said first adjustable V-pulley having a half thereof fixed to said drive shaft and the other half thereof slidable on said drive shaft toward and away from said fixed half, said second adjustable V-pulley having a half thereof fixed to said driven shaft in alignment with the slidable half of the first adjustable V-pulley and the other half thereof slidable on said driven shaft in alignment with the fixed half of the first adjustable V-pulley, a first fork means pivotally mounted on said supporting structure adjacent the slidable half of the first adjustable V-pulley, a second fork means pivotally mounted on said supporting structure adjacent the slidable half of the second adjustable V-pulley, a V-belt joining said first and second adjustable V-pulleys, tie rod means having limited yielding means incorporated therein joining the first and second fork means, whereby a shifting of said tie rod means causes an equal shifting of said slidable pulley halves, said tie rod means including a first rod member, a second rod member spaced from and in axial alignment with the first rod member, a collar on the first of said rods, a superstructure fastened to the second of said rods and having a sleeve portion slidably journaled on the first of said rods, spring means interposed between said collar and said sleeve, and an adjustable screw means provided on the end of the second of said rods whereby the space between the ends of the first and second rods may be adjusted.

2,573,938
HYDRAULIC DRIVE FOR WINDING MACHINES
Ransom Tyler, Greenfield, and Ewald H. Parduhn, Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 12, 1948, Serial No. 32,578
20 Claims. (Cl. 242—75)



1. In a hydraulic drive for rotating a winding shaft on which flexible material is wound into a roll as fast as said material is delivered by a machine, the combination of a main hydraulic motor connected to said shaft to rotate the same, a main pump for supplying motive liquid to said motor to enable it to drive said shaft, said main pump having a control which in response to the pressure created by said pump rising to a given value will automatically reduce the displacement of said pump until said pump is delivering just enough liquid to maintain the pump pressure at that value and which includes an element for adjusting said control to vary the pressure required to effect operation of said control, a first pilot pump driven at a speed proportional to the linear speed of said material, a second pilot pump driven at a speed proportional to the rotary speed of said roll of material so that the speed of said second pilot pump decreases relative to the speed of said first pilot pump as said roll increases in diameter, said second pilot pump having a member rotatable to vary its displacement, a hydraulic pilot motor adapted to be operated by liquid delivered thereto in response to variations in the relative speeds of said pilot pumps, and driving means connecting said pilot motor to said adjusting element and to said displacement varying member to enable said pilot motor to adjust said main pump and said second pilot pump simultaneously.

2,573,939
AUTOMATIC LOCKING MEANS FOR ROTARY DRIVEN MEMBERS
Lloyd J. Verville, Detroit, and Fred F. Miller, Jr., Berkley, Mich., assignors to The Gear Grinding Machine Company, Detroit, Mich., a corporation of Michigan
Application October 24, 1949, Serial No. 123,262
6 Claims. (Cl. 192—8)



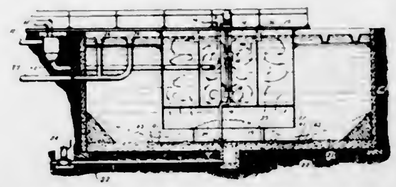
1. A rotary driven member having a channel therein extending diametrically thereacross, a stationary member provided with a circular inner face surrounding said driven member, locking means in opposite end portions of said channel directly contacting the adjacent inner face of said stationary member to lock said driven member against rotation respectively in opposite directions, a floating intermediate member in said channel between said locking means and contacting therewith with its opposite ends for transmitting the reaction of one to the other, a driving member for rotating said driven member, and means actuated by the initial movement of said driving member in either direction of rotation for contacting with and releasing the locking means opposing rotation of the driven member in the same direction.

2,573,940
METHOD OF METAL COATING AND OIL FINISHING COMPOSITION THEREFOR
George H. von Fuchs, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 12, 1947, Serial No. 760,693
16 Claims. (Cl. 117—51)

1. A composition suitable for aiding in forming an adherent and smooth tin coating on ferrous surfaces, consisting essentially of a mixture of slop wax free from aromatics and partially hydrogenated fish oil distillates said mixture having an acid number of from about 4 to 10 and a minor amount sufficient to stabilize the composition against deterioration of phenyl-α-naphthylamine.

10. In a method of metal coating of metal surfaces, wherein said metal surfaces are first cleaned and pickled and wherein said cleaned metal is passed successively first through a molten flux bath, then through a molten bath of a metal selected from the class consisting of molten tin, molten lead and a mixture of lead and tin and then passing said treated metal through an oleaginous waxy composition maintained at an elevated temperature, the improvement which comprises using as said oleaginous waxy composition a mixture consisting essentially of slop wax and hydrogenated fish oil distillate, said mixture having an acid number of from 4 to 10, a minor amount sufficient to stabilize the composition against deterioration of phenyl-α-naphthylamine and a minor amount, sufficient to aid draining of dimethyl silicone.

2,573,941
WATER TREATING APPARATUS AND METHOD
James Donald Walker and John R. Sperry, Aurora, Ill., assignors to Walker Process Equipment, Inc., Aurora, Ill., a corporation of Illinois
Application June 20, 1947, Serial No. 755,958
5 Claims. (Cl. 210—16)



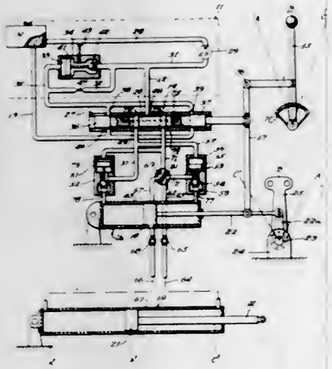
1. The method of softening water which includes mixing with the raw water softening chemicals and heavy recirculated precipitates later described, agitating said mixture a sufficient time for substantial completion of the reaction and precipitation, then passing the water through a stilling zone while maintaining a speed of movement such that substantially only the heavier precipitates settle, selectively collecting said heavier precipitates in an area from which said recirculated precipitates mentioned are drawn, and passing the remaining water and lighter precipitates through a clarifying zone in which the remaining precipitates settle, withdrawing excess settled precipitates from the tank but maintaining a sufficient volume therein to retain a stock pile of heavier recirculating precipitates.

2,573,942
FLEXIBLE ANTIPICKING BLINDER FOR POULTRY
David Wolfson and Hyman Seiden, Far Rockaway, N. Y.
Application August 24, 1948, Serial No. 45,854
3 Claims. (Cl. 119—97)



1. In a device of the character described, the combination of a spring gripping device comprising a spring loop and gripping arms extending therefrom and normally held in gripping position in the beak of a fowl by its own compressive action and said arms adapted to be expanded to a position away therefrom, a member comprising a pair of flexible blinders and a flexible connecting part between them, said connecting part being held tightly in the loop of said spring gripping device, the arms of said spring device adapted to be inserted in the nostril openings of a fowl's beak while said device is in expanded position and grip said beak inside said openings when in gripping position.

2,573,943
TELEMETER TYPE HYDRAULIC POWER TRANSMITTING SYSTEM
Joseph F. Ziskal, Cicero, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 10, 1948, Serial No. 20,313
4 Claims. (Cl. 121—41)



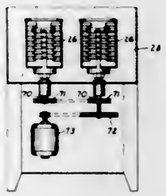
1. In an hydraulic power transmitting system energized from a liquid source having a low pressure inlet and a high pressure outlet, valve means having reversible flow passages for selective communication with said source and settable in opposite directions from a neutral setting wherein communication of each passage with said source is precluded, said valve means effecting communication of one of the passages with the source outlet and the other passage with the source inlet while set in one direction from neutral and reversing such communications of the passages while set in the opposite direction from neutral, a two-way servo-motor operable by fluid controlled by said valve means and for returning the valve means to neutral, said servo-motor including a fluid-receiving chamber and a work member reversibly movable therein between opposite ends thereof by differential of fluid pressure in the two ends of such chamber, means for selectively setting the valve means away from neutral, means operably connecting the servo-motor work member with the valve means, one of the reversible flow passages being communicative with one end of the servo-motor chamber, conduits leading respectively from the other reversible flow passage and from the other end of the servo-motor chamber, and a plurality of two-way hydraulic rams each having a cylinder, a piston in each cylinder and a piston rod projecting from each piston through an end of the associated cylinder, said rams being interchangeably connectable in series with said conduits so the piston rod end of their cylinder is communicative with the conduit leading from the other end of the servo-motor chamber and the opposite end of their cylinder is communicative with the other conduit, such opposite ends of the ram cylinders being of different displacement capacity, and the piston rods of said rams being different in diameter for causing the displacement capacity of the piston rod end of each ram cylinder to equal the displacement capacity of said other end of the servo-motor chamber.

2,573,944
METHOD AND APPARATUS FOR FEEDING BLANKS
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application January 23, 1948, Serial No. 4,013
16 Claims. (Cl. 271—35)



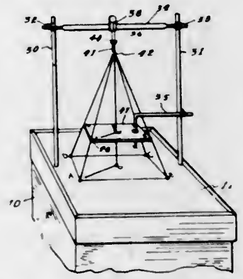
9. In an apparatus for feeding slotted blanks from the bottom of a stack in which the slots extend transversely of the direction of feed, the improvement which comprises vertical deforming members located adjacent said stack at the rear edge of each slot, a pair of shafts extending longitudinally of the machine and disposed one above the other adjacent said members, crank arms on said upper shaft pivotally connected to an upper portion of each deforming member, crank arms on said lower shaft pivoted to a lower portion of each deforming member, means for driving one of said shafts from a first position in which said deforming members are raised and retracted, to a second position in which said members engage and depress at least the bottom blank portions at the rear of each slot, and means for feeding the bottom blank from said stack while said one shaft is in said second position.

2,573,945
GLASS WASHER
Mortimer R. Anstice, Sr., Rochester, N. Y., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 28, 1945, Serial No. 590,877
2 Claims. (Cl. 15—101)



1. In a glass washing machine, a glass washing device comprising, in combination, an axially elongated rotatable spindle and a plurality of axially spaced thin, flexible, radially extending arms, removably mounted on said spindle, each of said arms having a thin flat body of greater thickness axially than tangentially and being adapted independently to flex throughout its length toward said spindle without substantial displacement in an axial direction, each of said arms terminating in a generally cylindrical, axially extending bead of diameter substantially greater than the thickness of said arm and formed integrally with said arm, whereby upon rotation of said spindle and said arms relative to a glass placed telescopingly therearound, said arms flex inwardly toward said spindle contra to the direction of rotation thereof with each of said beads independently engaging the inner surface of the glass in wiping relation thereto.

2,573,946
THREE-DIMENSIONAL MATHEMATICAL DEMONSTRATOR
Floyd P. Armstead, Shelton, Wash.
Application August 7, 1947, Serial No. 767,198
3 Claims. (Cl. 35—34)

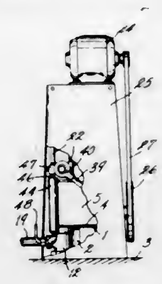


1. A device for demonstrating geometric figures comprising in combination, a housing, a frame work therein comprising a plurality of horizontally extending vertically spaced panels and means to support them in the housing in spaced relation said panels each having a multiplicity of apertures therein arranged in the same predetermined geometric patterns so that the corresponding apertures in the different panels are aligned, a multiplicity of tubes in the housing each tube extending through the corresponding apertures of the panels, weights slidable in said tubes, flexible members secured to said weights, and projecting from the upper ends of said tubes, a table section over said housing having apertures therein over said tubes, the apertures being arranged in the same predetermined geometric patterns as the apertures in said panels, said members extending through the apertures in said table section and having heads above the table section too large to pass through the apertures in said table section, and a support on said housing above the table top having means on which the heads of said members may be releasably mounted.

2,573,947
PREPARATION OF HYDROPEROXIDE COMPOUNDS
Edward R. Bell, Berkeley, Frederick F. Rust, Oakland, and William E. Vaughan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 1, 1949, Serial No. 102,718
15 Claims. (Cl. 260—610)

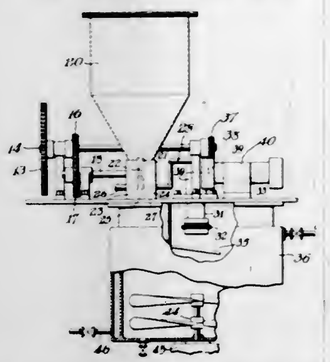
9. A process for the preparation of an alkyl hydroperoxide characterized by high yield and purity of product and by high conversion of reactants to the hydroperoxide product, which process comprises reacting hydrogen peroxide and an alkylating agent therefor in an aqueous solution in the presence of an acidic catalyst, and extracting from the aqueous solution alkyl hydroperoxide product substantially as rapidly as formed therein by intimately contacting said aqueous solution with an inert water-immiscible organic solvent for the alkyl hydroperoxide product.

2,573,948
PUMP JACK
Lorn T. Bernard, Grand Rapids, Mich.
Application December 12, 1946, Serial No. 715,734
8 Claims. (Cl. 103—205)



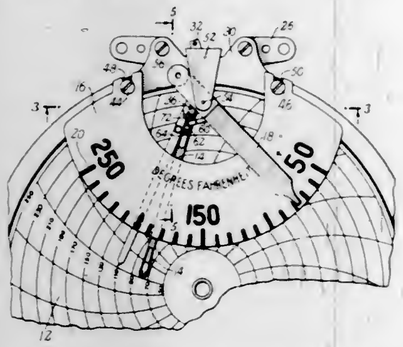
1. In a pump jack, the combination of a support comprising a bottom and side and transverse walls arranged and welded together to provide a rigid support structure including a gear box adapted to contain lubricant, and a compartment at the inner end of the gear box, said compartment having a top integrally connected to the upper edges of the side and inner transverse walls, a T-coupling welded to the bottom below said compartment, the bottom and compartment top having openings therein aligned with said T-coupling, an upper cylinder arranged through said openings and threaded into said coupling, a well pipe connected to said coupling, a drive shaft provided with roller bearings carried by said transverse walls, a driven shaft provided with roller bearings carried by said side walls, said roller bearings being in communication with said gear box to receive lubricant therefrom, a worm on said drive shaft, a coacting worm gear on said driven shaft, both arranged within said gear box, the ends of said driven shaft projecting from said side walls and having cranks thereon provided with crank pins, two spaced pairs of crosshead guide rods carried by and projecting upwardly from said support above its said compartment, a top member mounted on the upper ends of said guide rods and constituting a tie member therefor and a motor support and housing top, a crosshead provided with a shaft disposed between the guide rods of each pair of guide rods and projecting beyond said pairs of guide rods, connecting rods for the pins of said cranks to the projecting ends of said crosshead shaft, peripherally grooved rollers on said crosshead shaft coacting with said guide rods, one roller being disposed between and coacting with the guide rods of one of said pairs and the other roller being disposed between and coacting with the guide rods of the other pair, said connecting rods and rollers being provided with lubricant packed ball bearings, there being a slight clearance between the crosshead rollers and said guide rods so that the rollers are in rotating engagement with only one guide rod of the pair on each stroke of the crosshead, a plunger rod connected to said crosshead between said rollers and provided with a plunger coacting with said upper cylinder and extending into said well pipe, said cylinder being disposed between the plane of one pair of guide rods coacting with one roller and the plane of the other pair of guide rods coacting with the other roller, a cover for said gear box, and a housing attached to said top member and extending downwardly therefrom.

2,573,949
DISSOLVING OF POLYMERS
James Robert Blizzard, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 21, 1946, Serial No. 717,655
15 Claims. (Cl. 260—32.4)



1. A process which comprises commingling with a gas traveling at high velocity a polymer to form thereby a polymer-gas mixture; jetting a solvent for said polymer into said polymer-gas mixture to obtain thereby a polymer-gas-solvent mixture in the form of a high velocity jet; and collecting said polymer-gas-solvent mixture in the form of a slurry in a vessel.

2,573,950
INDICATOR FOR RECORDING INSTRUMENT
Hoel L. Bowditch, Jamaica Plain, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application January 9, 1948, Serial No. 1,383
2 Claims. (Cl. 346—17)



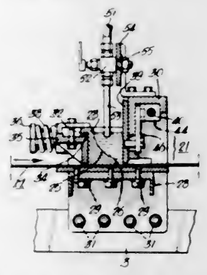
1. In an industrial round-chart recorder having a pen arm pivotally mounted near the top of said recorder for angular movement over the chart between its center and outer edge to record thereon the values being measured, the combination with said recorder of an indicator arm pivotally mounted near the top of said recorder and close to the pivoted mounting of said pen arm to swing over the chart in an arc extending between corresponding points at the edge of the chart, an arcuate scale plate curved about the indicator pivot and depending over and terminating at its opposite ends near the edge of said chart, whereby said scale plate is located completely within the perimeter of said recorder and hence does not increase the space required for mounting said recorder, the lower edge of the scale plate and the lower end of said indicator arm stopping short of the lower edge of said pen arm so that the record made by the pen of said pen arm is visible at the time it is made and thereafter for the greater part of the travel of said chart as it makes a complete revolution, the lower edge of said scale plate being provided with a reference scale corresponding to the chart scale but the length and size of which are materially greater than those of the chart scale, to provide visibility of the reference scale at a distance, and a linkage connecting the pen arm and indicator arm to cause the pen arm to move the indicator to indicate on the reference scale the same value as that recorded by the pen.

2,573,951
METHOD OF MAKING SINTERED METAL STENCILS
Joseph B. Brennan, Bratenahl, Ohio
Application February 24, 1945, Serial No. 579,635
10 Claims. (Cl. 101—128.2)



1. The method of making screen stencils which includes the steps of providing a screen member in which substantially all of the openings are unobstructed, filling in some but not all of the openings of the screen member with powdered metal in a finely divided state at a temperature below the melting point of the metal, leaving the remaining openings unobstructed to provide a pattern, and sintering the powdered metal to bind the particles thereof to the screen and to each other.

2,573,952
APPARATUS FOR DEPOSITING STRIPS OF ADHESIVE UPON A BASE MATERIAL
Thomas O. Bretherton, Villanova, Pa.
Application July 29, 1948, Serial No. 41,286
4 Claims. (Cl. 91—12)

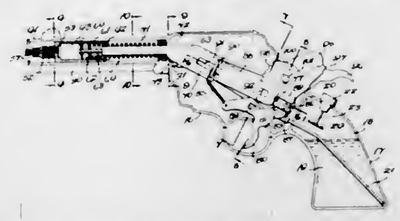


1. In apparatus for producing pile fibre surfaced strips of material, a device for applying parallel bands of adhesive material upon a continuously moving strip of the material, comprising a fixed support structure, a doctor blade carried by said structure transversely overlying the strip, a bracket disposed crosswise of the strip and mounted for horizontal sliding movement relative to the fixed structure, a plurality of adhesive receptacles on said bracket arranged transversely of the strip, and adapted to abut said doctor blade, and means biasing said bracket toward said fixed structure to maintain said receptacles firmly against said doctor blade.

2,573,953
PEST CONTROL USING A SULFURIZED HALOGENATED PETROLEUM DISTILLATE
John P. Buckmann, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 1, 1948, Serial No. 57,831
10 Claims. (Cl. 167—28)

1. The method of protecting materials from attack by pest organisms which comprises applying to the surface of said material a toxic amount of a pest control composition containing as an essential active ingredient a sulfurized halogenated petroleum distillate containing from about 0.5 to about 15 per cent by weight of chemically bound halogen and from about 5 to about 30 per cent by weight of chemically bound sulfur, and prepared by reacting a halogenated petroleum distillate containing from about 1 to about 4 atoms of halogen per average petroleum distillate molecule with an agent selected from the class consisting of alkali-metal polysulfides and mixtures of alkali-metal sulfides with free sulfur at a temperature between about 50° C. and about 200° C.

2,573,954
WATER PISTOL WITH MECHANISM WHICH DISCHARGES A SUCCESSION OF WATER SHOTS
Wesley C. Casson, Old Greenwich, Conn.
Application July 29, 1950, Serial No. 176,659
14 Claims. (Cl. 222—79)



1. A water pistol comprising a body, a water chamber formed in said body, a charge cylinder in said body and communicating with said chamber, a piston including a piston rod for applying pressure to a charge of water in said cylinder for discharging it therefrom, a spring normally urging said piston into forward or water discharged position, a hammer connected to said piston rod for retracting said piston against the action of said spring, said water pistol body being formed with a pistol barrel, said cylinder being disposed in said barrel, an outlet valve disposed forwardly of said cylinder within said barrel, an intake valve for charging said cylinder, a tube connecting said intake valve with said water chamber, a hammer body on said hammer, said hammer body being pivotally mounted within said water pistol body, said piston rod being eccentrically connected to said hammer body and producing a substantially linear movement of said piston when said hammer body is pivoted, and means including a trigger for advancing said piston in discrete, predetermined steps so as to discharge predetermined, discrete quantities of water from said charge cylinder.

2,573,955
SAFETY SKI BINDING
Mitchell H. Cubberley, Belleville, N. J.
Application January 13, 1949, Serial No. 70,739
16 Claims. (Cl. 280—11.35)



1. A ski binding comprising longitudinally spaced clamping devices adapted to engage a ski boot respectively at toe and heel portions thereof, each clamping device comprising a carrier frame mounted on the ski, a transverse pivotal shaft supported by the frame adjacent its inner end, a clamp plate pivoted on said shaft, said clamp plate, in its downswung boot engaging position, being adapted to exert gripping pressure substantially perpendicular to the plane of the ski, spring actuated thrust means operative to impart gripping pressure to the clamp plate comprising a thrust rod supported at its rearward end portion by the outer end of said frame with its forward end portion pivotally connected with said clamp plate, and a compression spring purchased against the outer end of said frame for actuating said thrust rod.

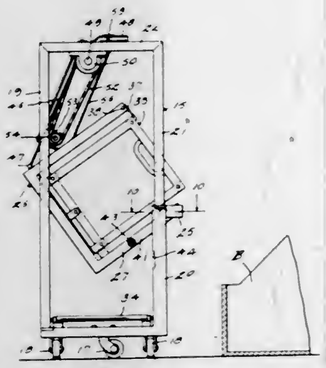
2,573,956
PROCESS FOR TREATING NONFIBROUS CELLULOSIC FILM AND RESULTING PRODUCT
John Harold Daniel, Jr., Cos Cob, and Chester Grey Landes, New Canaan, Conn., and John Davis Pollard, Baltimore, Md., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 28, 1949, Serial No. 101,915
19 Claims. (Cl. 117—76)

1. A process for treating non-fibrous cellulosic film to improve the anchoring of said film to a subsequently-applied topcoat, which comprises the steps of immersing said cellulosic film in an aqueous dispersion of an aliphatic polyamine-difunctional halohydrin thermosetting cationic resin, removing the film, drying the film, thereby partially curing the affixed resin, and applying thereto a water-repellent coating composition.

2,573,957
PROCESS FOR TREATING NONFIBROUS CELLULOSE FILM AND RESULTING PRODUCT
John Harold Daniel, Jr., Cos Cob, and Chester Grey Landes, New Canaan, Conn., and John Davis Pollard, Baltimore, Md., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 28, 1949, Serial No. 101,916
15 Claims. (Cl. 117—76)

1. A process for treating non-fibrous cellulose film to improve the anchorage of said film to a subsequently-applied topcoat which comprises the steps of immersing said cellulose film in an aqueous dispersion of an ammonia difunctional halohydrin thermosetting cationic resin, removing the film, drying the film, thereby partially curing the affixed resin and applying a topcoat thereto.

2,573,958
BOBBIN CARRIER
Ernest Johnson Eaddy, Spartanburg, S. C.
Application June 27, 1949, Serial No. 101,585
2 Claims. (Cl. 214—121)



1. A wheeled carrier for bobbins comprising a mobile frame, a basket cradle of U-shape in said frame, a pair of confronting channel shaped vertical guides at the forward side of said frame, a horizontal forwardly extending guide extension at the upper end of each vertical guide, a pair of vertically spaced apart rollers carried by each end of said cradle engaging in said vertical guide when said cradle is in a lower receiving position, an intermediate roller carried by said cradle between said pair of rollers engaging in said vertical guides for holding said cradle against rearward movement when said cradle is in a tilted position and for effecting rearward movement of the upper one of said pair of rollers when said cradle is swung downwardly from a tilted to a vertical position, means engaging the lower rear portion of said cradle for raising, lowering, and tilting the latter, each of said vertical guides having an opening in the inner side thereof upwardly from the lower end whereby the lower roller of said pair of rollers may pass out of the vertical guide at the time the upper one of said rollers is entering the horizontal extension to thereby provide for tilting of said cradle.

2,573,959
DRILLING FLUIDS
Paul W. Fischer, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application February 24, 1948, Serial No. 10,559
19 Claims. (Cl. 252—8.5)

1. A drilling fluid composition for drilling oil and gas wells comprising from about 40 to about 95 per cent by weight of mineral oil, from about 0.05 to about 10 per cent by weight of water, from about 0.1 to about 10 per cent by weight of an oil-dispersible metal soap, and from about 0.01 to about 5 per cent by weight of a water-soluble salt of a strong base and a weak inorganic acid, said water and oil forming an oil-external emulsion stabilized by the presence of said soap, and said water-soluble salt of a strong base and a weak inorganic acid imparting gel strength properties to the composition.

2,573,960
DRILLING FLUID CONCENTRATES
Paul W. Fischer, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 22, 1949, Serial No. 89,145
14 Claims. (Cl. 252—8.5)

1. A composition of matter adapted to be dispersed in mineral oil to form a drilling fluid and essentially comprising between about 50 and about 75 per cent weight of a soap selected from the class consisting of heavy metal and alkaline-earth metal resinates and naphthenates, between about 10 and about 25 per cent by weight of a hydratable clay, and an amount of a glycol containing not more than six carbon atoms sufficient to render the composition fluid.

2,573,961
LOW-RESISTANCE DRILLING FLUIDS
Paul W. Fischer, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 5, 1950, Serial No. 166,298
9 Claims. (Cl. 252—8.5)

1. An oil base drilling fluid composition characterized by relatively low electrical resistivity and prepared by (1) dispersing in mineral oil between about 0.1 and about 5 per cent by weight of a hydratable clay; between about 1 and about 10 per cent by weight of a saponified rosin product obtained by saponifying with an aqueous alkali-metal alkali a wood rosin which has been heat-treated at a temperature between about 250° and about 350° C. for a period of time sufficient to raise its specific rotation to a value above about +5°, said saponified rosin product containing between about 1 and about 15 per cent by weight of free resin acids; an alkaline-earth metal base in an amount representing between about 60 and about 80 per cent of the amount chemically equivalent to the saponified rosin product; and water in an amount such that the total water content of the finished composition is between about 1.5 and about 5 per cent by weight; (2) allowing the resulting dispersion to stand until substantially all of the alkaline-earth metal base has reacted with the saponified rosin product; and (3) thereafter adding to the dispersion an aqueous solution essentially comprising an alkali-metal silicate in an amount such that the alkali-metal silicate content of the finished composition is between about 0.3 and about 0.6 per cent by weight.

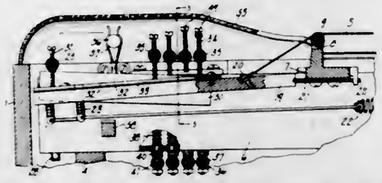
2,573,962
SECTIONAL DOOR
Earl C. Fox and Russell C. Strohacker, Coshocton, Ohio
Application May 25, 1949, Serial No. 95,324
7 Claims. (Cl. 160—214)

6. In combination, a sectional hinged closure, and means permitting the closure to move from a vertical locked position to a horizontal locked position on a level approximately with the upper end of the closure when it is vertical and locked; said means including rollers arranged in pairs on opposite sides at the extreme lower end of the closure, at the extreme upper end of the closure, and at every joint of the sectional closure; said means further including a pair of vertical trackways, a pair of horizontal trackways, and a pair of track corner sections each joining a vertical trackway with a horizontal trackway; each track corner section including a horizontal roller-guiding element extending along its top from front to rear, an arcuately curved roller-guiding element extending from the lower end of the corner section to its rear end, a reversely curved roller-guiding element having its upper end near to but spaced from the horizontal roller-guiding element to provide a roller-receiving recess at the front end of the track corner section, the lower



end of the reversely curved roller-guiding element extending down to a point near to but spaced from the arcuately curved roller-guiding element so that a roller may pass between said lower end and said arcuately curved roller-guiding element, said reversely curved roller-guiding elements acting to guide rollers from the upper ends of the vertical trackways into said recesses and from said recesses back into the vertical trackways or onto the arcuately curved roller-guiding element.

2,573,963
PITCH CHANGING MECHANISM FOR STRINGED MUSICAL INSTRUMENTS
William N. Gaut, Kalamazoo, Mich., assignor to Gibson, Inc., Kalamazoo, Mich.
Application July 7, 1949, Serial No. 103,368
13 Claims. (Cl. 84—312)

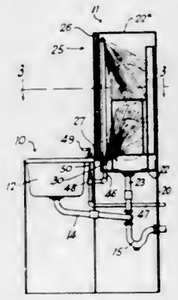


1. In a musical string instrument having an elongated frame with a plurality of strings stretched along said frame, means at one end of said frame for anchoring one end of said strings, an abutment extending transversely of said frame at the opposite end thereof from said means, a plurality of tensioning bars swingably abutted against said abutment, said strings being connected one to each of said bars, balancing means including springs stretched between said tensioning bars and adjustably fixed abutments adjacent to said means for anchoring said strings and extending on the opposite side of said abutment from said strings for counterbalancing the pull of said strings, a hollow primary tuning rod extending across said tensioning bars and having screws adjustably engageable with said tensioning bars, mounting screws on said primary rod extending through the sides of said frame and having springs mounted around said mounting screws for urging said primary rod downwardly, a plurality of hollow secondary tuning rods extending across said tensioning bars and each provided with a series of secondary tuning screws selectively adjustable with respect to said tensioning bars, screws depending from said secondary rods through said frame, spring means positioned around said depending screws biasing said secondary tuning rods away from said tensioning means, pull bars connected to the depending screws on said secondary rods below said frame, pull wires removably connected to said pull bars, pedal means for depressing said pull wires and pull bars and secondary rods and secondary tuning screws into engagement with said tensioning bars, neutralizing screws on said secondary rods, and neutralizing levers on said frame adapted to be engaged by said neutralizing screws and swingable into engagement with said primary rod for disengaging said primary rod and primary screws from said tensioning bars, said tuning rods having strips of leather threaded therethrough and pierced by said tuning screws to hold said tuning screws in adjusted position.

2,573,964
FILTER
Henry Lionel Green, Salisbury, Daniel James Thomas, Tony, near Salisbury, and Walter John Harris, Salisbury, England, assignors to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
No Drawing. Application February 25, 1948, Serial No. 10,924. In Great Britain April 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 20, 1965
9 Claims. (Cl. 183—7)

1. A process for making a self-supporting gas filter which comprises subjecting to repeated rolling between sheet-bending rollers a felted material containing animal fibers and a resin having a specific volume resistivity greater than 10^{17} ohm-cm. and a surface resistivity greater than 10^{16} ohms.

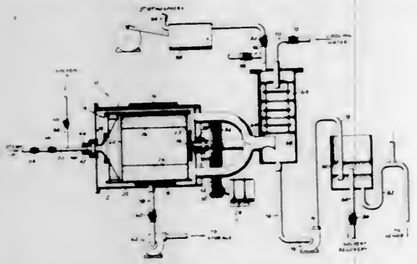
2,573,965
COMBINATION KITCHEN SINK AND DISHWASHING CABINET
Igino G. Guglielmoni, Massapequa, N. Y.
Application February 28, 1945, Serial No. 580,131
6 Claims. (Cl. 134—88)



1. In combination, a sink cabinet, a rinsing cabinet in back of the sink cabinet and extending

above the sink cabinet, said rinsing cabinet being open at the front, transparent means to close the front of the rinsing cabinet, means within the rinsing cabinet to support articles to be rinsed, and a sprinkler means within the rinsing cabinet at the top and bottom thereof and running lengthwise adjacent the front of said rinsing cabinet, and means on the sink cabinet to control supply of water to the sprinkler means.

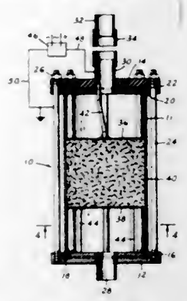
2,573,966
METHOD OF DRY CLEANING
Henry Frederick Hamlin, Manlius, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application February 19, 1947, Serial No. 729,500
8 Claims. (Cl. 8—142)



7. A method of dry cleaning goods in the rotary drum of a tumbler which comprises introducing into said drum said goods and a quantity of a flammable organic dry cleaning solvent adapted to remove dirt, grease and the like therefrom, rotating said drum at a relative low speed to agitate said goods and to cause said solvent to wash said goods, then draining from said drum such portions of said solvent as can be drained therefrom, then centrifuging said goods by rotating said drum at a speed sufficient to reduce the solvent content of the goods to about 20% by weight but insufficient to cause undesired vibration of said drum, then stopping said drum and evacuating air therefrom, then introducing into said drum substantially saturated sub-atmospheric pressure live steam without preheating said goods and to vaporize the remainder of said solvent from said goods and to deposit a desired quantity of water in said goods, resuming rotation of said drum after steam has started to enter said drum, maintaining the speed of rotation of said drum at such a value as to produce a centrifugal force of the periphery of said drum between 0.4 and 2.0 lbs. per lb. of goods to produce a desired uniformity of distribution of said goods within the interior of the drum, maintaining the steam pressure within the drum between 0.5 and 2.0 p. s. i. a. to maintain the temperature of said goods sufficiently low to prevent setting of stain on said goods and damage to any heat sensitive portions of said goods, and removing a mixture of steam and solvent vapor from said drum.

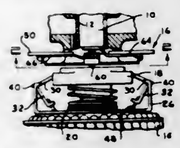
2,573,967
ELECTRICAL PRECIPITATION METHOD
Henry Frederick Hamlin, Manlius, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application May 1, 1947, Serial No. 745,146
2 Claims. (Cl. 204—184)

2. The method of removing suspended dirt particles from a used petroleum base dry cleaning solvent at high flow rates which comprises passing said solvent through a loosely packed maze of glass wool at a flow rate of at least about 10 gallons per minute per square foot of filter area



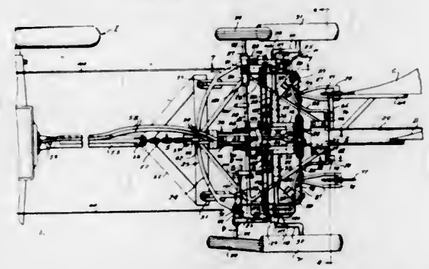
and maintaining across said maze a direct current potential gradient of about 2600 volts per inch of electrode separation to cause said particles to deposit on the surfaces of said glass wool.

2,573,968
CENTRIFUGAL SWITCH
Kemper M. Hammell, Bloomington, and Robert P. O'Malley, Farmer City, Ill., assignors to Eureka Williams Corporation, Detroit, Mich., a corporation of Michigan
Application June 15, 1946, Serial No. 676,885
1 Claim. (Cl. 200—80)



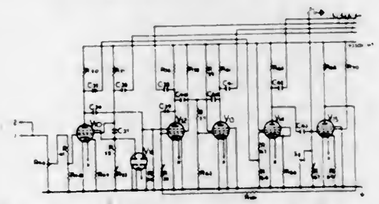
A centrifugal switch for an electric motor comprising a U-shaped plate adapted to be mounted on the shaft of said motor with the parallel arms of said plate arranged parallel to and spaced from said shaft and on opposite sides of said shaft, the end of each arm being provided with spaced integral tabs projecting therefrom and toward said shaft, a flyweight for each arm comprising an angular plate member having a central portion disposed between one of said arms and said shaft, said central portion having spaced integral tabs projecting from one end thereof and away from said shaft, said arms being provided with a straight edge between said first named tabs, said tabs on said weight and said central portion defining an angle therebetween slightly greater than 90°, the corner formed by said angle being adapted to engage said straight edge so as to provide a pivotal mounting for said weight upon said edge of said arm, a collar slidable on said shaft, each of said weights having an arm projecting from the pivoted end thereof toward said shaft and engageable with a portion of said collar, a spring associated with said collar and said shaft for moving said collar along said shaft into a first position away from said U-shaped plate and for pivoting said flyweights into a first position with said central portions disposed angularly with respect to said parallel arms, said weights under the influence of centrifugal force pivoting on said pivotal mounting into a second position with said central portions resting against said parallel arms, said latter movement of said weights into said second position moving said collar along said shaft into a second position against the force of said spring, and a pair of switch contacts, one of said contacts being resiliently mounted and arranged to be engaged by said collar upon movement of said collar into one of its positions.

2,573,969
TWO-WAY PLOW
Frederick F. Heitzig, Fieldon, Ill.
Application May 27, 1950, Serial No. 164,786
11 Claims. (Cl. 97—26)



1. In a two-way plow of the character described, the combination comprising a frame, ground wheels swingably connected to the frame for raising and lowering the same, bearing means on the frame, a spindle journaled in the bearings for oscillating movements about a generally horizontal and longitudinal axis, right and left hand plow bottoms carried by the spindle and movable therewith to dispose the plows alternately in plowing positions, cables connected to the spindles, winches operative to take up and pay out the cables, drive wheels for the said winches movable selectively into engagement with the ground wheels as the frame is raised for operating the cables and oscillating the spindle and plow bottoms, and means operative as the spindle moves a half turn to disengage the drive wheels from the ground wheels.

2,573,970
CATHODE-RAY TUBE TIME-BASE CIRCUIT
Garfield Louis Hinckley, Fleet, and John Harry Walrond Simmons, Rushwick, England, assignors to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
Application July 30, 1947, Serial No. 764,844
In Great Britain February 19, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 19, 1966
12 Claims. (Cl. 250—27)



1. A time base circuit for an oscilloscope, comprising a linear time base thermionic generator having a control grid, a variable voltage means, means connecting said control grid and said variable voltage means so that the operating level of said control grid is responsive to said voltage means, switch means connected to said voltage means for controlling the latter, and control means connected to said voltage means and arranged to provide changes in the said operating level only during time base sweeps.

2,573,971
FRONT END RAKE MEANS FOR TRACTORS
Jacob J. Hoefer, Williams, Iowa
Application March 21, 1949, Serial No. 82,560
3 Claims. (Cl. 56—27)

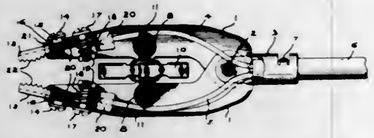


1. In combination with a power tractor, an elongated frame, a means for securing said frame to the front end of said tractor with said elongated frame extending to the right and rearwardly relative to the longitudinal axis of said tractor, a horizontal shaft, a bearing member on said frame embracing one end portion of said shaft, a means for operatively connecting said first shaft to the prime mover of said tractor, a fixed stub shaft on said frame having its end rotatably supporting the other end of said first shaft, a plurality of evenly spaced apart radially extending bearing arms operatively supported by one end portion of said first shaft, a like plurality of evenly spaced apart radially extending bearing arms operatively supported by the other end portion of said first shaft, a crank shaft journaled in each horizontal pair of said bearing arms, rake teeth secured to each of said crankshafts, a plate rotatably mounted on said frame, at a point off center from that of said first and said stub shaft, a link arm rotatably secured to each of said crankshafts and rigidly secured to said plate, and a shield on the right side end portion of said frame for limiting the movement of material from the action of said teeth in that direction.

2,573,972
BATTERY LEAD CLAMP
Thomas W. Holland, Towson, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland
Application October 1, 1946, Serial No. 700,580
5 Claims. (Cl. 173—259)

4. A battery lead connector for obtaining secure contact with terminal surfaces comprising a pair of arms connected together at one end to open and close at the other free ends thereof, the free ends having inner opposed surfaces, a

pair of longitudinally extending jaws each mounted on one said inner surface, the end contacting surface of each jaw conforming to its respective arm free end surface to align the contacting surfaces together, each jaw having a gripping portion extending substantially beyond the termini of said free ends to hinge against the termini of the free ends, pin means attaching one of said jaws to each of said free ends and limiting translation of the jaws with respect to the arm ends, means on one of each pair of con-



tacting surface members cooperating with its opposed surface member and said pin means to align the jaws longitudinally with the arm free ends, and resilient means on the pin means of each free end acting with said aligning means, to hold the jaws against the ends in substantial longitudinal alignment with the respective arm free end, means to hold said arm free ends together in clamping position, said jaws hinging about the termini of the free ends to conform to the terminal surface upon closure of the free ends thereon, and a power conductor connected to one of said jaws.

2,573,973

THIOCYANATED DERIVATIVE OF TETRACHLOROBUTANE

Herbert L. Johnson, Media, and Archibald P. Stuart, Norwood, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application September 30, 1950, Serial No. 187,833
6 Claims. (Cl. 260—454)

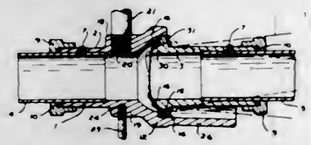
1. The reaction product obtained upon causing an alkali metal thiocyanate to react with liquid 1,2,3,4-tetrachlorobutane dissolved in an inert solvent, said reaction being performed at a temperature of from 50° C. to 150° C. in the presence of a catalyst selected from the group consisting of sub-divided metallic copper, an alkali metal bromide, and an alkali metal iodide.

2,573,974

DEMOUNTABLE PIPE COUPLING

Charles Louis Johannesson, Osoyoos, British Columbia, Canada

Application November 18, 1947, Serial No. 786,649
3 Claims. (Cl. 285—143)



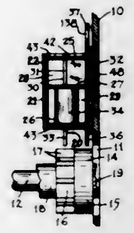
1. A quick demountable pipe comprising a socket member and a spigot member each adapted for connection to a pipe, said spigot member having a cylindrical stem terminating in a ball part and said socket member having a resilient washer adapted to form a seat for the ball part, said socket member having a pair of lugs spaced substantially 180 degrees apart and having engaging arcuately bevelled end surfaces, said spigot member having a pair of ribs provided with complementary engaging arcuately bevelled end surfaces, said lugs and ribs serving to retain the ball part in watertight relation with the washer and to permit the spigot and socket members to be at varying degrees of disalignment.

2,573,975

TONE GENERATOR

Carl W. Larson, Minneapolis, Minn., assignor to Patent Management, Incorporated, Minneapolis, Minn., a corporation of Minnesota

Application August 1, 1950, Serial No. 176,942
4 Claims. (Cl. 171—209)



1. In a tone generator, a toothed wheel and a smooth wheel disposed in magnetic flux conducting relation adjacent each other and mounted on a revolvable shaft, a U-shaped case open at the back and at its ends and having side walls and a front wall, partitions at the ends of the case closing the ends of the same, a partition intermediate said first named partitions and extending across the case and dividing the same into two compartments, a magnetic core including a leg extending through one of said first named partitions and through said intermediate partition and spaced from the walls of the case, said core having a second leg disposed at the rear of the case and forming a rear wall for the case, poles on corresponding ends of the legs of the core and projecting outwardly beyond the portion adjacent such ends of the legs, means for supporting said poles in flux conducting relation with respect to said wheels, a permanent magnet disposed between the other ends of the legs and disposed in the compartment in which said ends of the legs are situated, and a coil wound on said first named leg and disposed in the other compartment and energized by variation in flux passing through the air gaps between said poles and wheels and produced by rotation of said shaft.

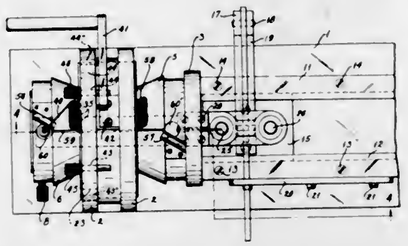
2,573,976

STATOR WINDING MACHINE

Harry P. Linders, Pine Lawn, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application January 12, 1946, Serial No. 640,967
2 Claims. (Cl. 242—1)

1. A machine for laying the sides of a coil turn in an internally slotted stator core and for forming the free end portions of the coil turn formed from a wire conductor comprising a stator support in which the stator core is mounted; a second supporting means; a sleeve on said second means concentrically disposed in said stator holder; a thimble disposed in said sleeve; a slide on which said thimble is movably mounted with respect to said stator support to move said thimble axially with respect to said sleeve; means to move said thimble radially with respect to said sleeve; means supported on said sleeve to preform the portion of the conductor constituting the free



end portion of the coil turn wound in the stator slots; and other means supported on said sleeve to substantially circumferentially shape and support the free end portions of the coil turn as it is wound in the stator slots.

2,573,977

ROCK PLOW OR SCARIFIER

Albin Walter Lindgren, Goulds, Fla.

Application June 19, 1947, Serial No. 755,651
2 Claims. (Cl. 262—8)

2. In a rock plow, a pair of identical castings of V-shape adapted to lie flat upon the ground one behind another and in true longitudinal alignment, a head projecting upwardly from the apex of each casting, draw bars disposed one on each side of said heads extending from one to the other and bolted thereto to rigidly hold said castings together, a shoulder rising from each side of each casting at the rear end thereof, said shoulders of said castings disposed in longitudinal alignment with one another and spaced equidistant from the longitudinal center of said castings, and tie plates disposed longitudinally of said castings and secured at their ends to said shoulders.

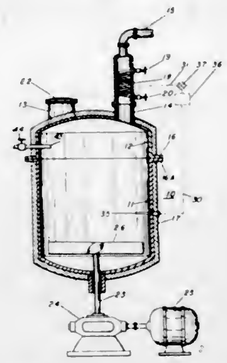
2,573,978

METHOD FOR DISSOLVING CELLULOSE XANTHATE

L. Louis Malm, Rocky River, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application June 5, 1947, Serial No. 752,581
8 Claims. (Cl. 260—217)

8. The method of preparing a viscose solution at a temperature below a reduced boiling temperature of about between 15 and 20° C. which comprises, adding cellulose xanthate having a temperature of over 20° C. to a dilute aqueous sodium hydroxide solution having a temperature of between about 8 and 12° C., agitating the resulting mixture, subjecting the mixture to a vacuum to produce a reduced boiling point of between about 15 and 20° C., evaporating water when the temperature rises to the reduced boiling point, and adding water to the boiling mixture in an amount approximately equivalent to that



required to maintain the temperature below the boiling point.

2,573,979

SHAPER FOR TROUSERS

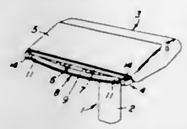
Joseph Mastrillo, Trenton, N. J.

Application October 15, 1947, Serial No. 779,979
1 Claim. (Cl. 223—63)



In a trouser shaper, the combination which comprises two U-shape frames having spaced parallel end sections and positioned with the said end sections in overlapping relation and with the end sections of one frame in contact with the end sections of the other frame throughout the lengths of said end sections, said frames formed with bars wedge shaped in cross section and having longitudinally disposed grooves in both of the sides thereof, said end sections of the frames being connected with side sections and said side sections being being spaced further apart at one end of the shaper than at the other, spaced U-shaped clamps extended around the said end sections with a clamp spaced from each end of each end section, levers having cam surfaces on the ends pivotally mounted in said clamps and positioned with the cam surfaces extended between the end sections of the frames whereby said cam surfaces coact with the wedge shaped end sections to urge the parts in gripping relation when the opposite ends of said levers are drawn away from the said end sections, and clips pivotally mounted on the outer ends of the said levers.

2,573,980
SAFETY RAZOR
Wilbert J. Mitchell, Moline, Ill.
Application August 30, 1949, Serial No. 113,163
4 Claims. (Cl. 30—83)



1. In a razor having a straight blade and a support therefor so as to hold the blade in position, a guard bar carried by said support adjacent the cutting edge of the blade and having its central part bent so as to lie farther away from the edge of the blade at the central portion thereof than at the end portions of the blade.

2,573,981
FISHING LINE TRIP SINKER
Francis W. Nelson, Bronx, N. Y.
Application March 30, 1950, Serial No. 152,827
3 Claims. (Cl. 43—43.1)



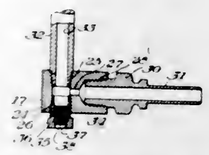
1. A fishing line sinker comprising an elongated body having tapering sides with an eye on one end and a stud extended from the other end, the end of said body from which the stud extends being of hexagonal shape and the thickness of the hexagon being extended throughout the length of the body, a fishing line attached to the eye on the end of the body, and a fishing line receiving spring clip releasably mounted on the stud.

2,573,982
NOZZLE
Frank W. Ofeldt, Carnot, Pa., assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa., a corporation of Pennsylvania
Application December 14, 1946, Serial No. 716,238
3 Claims. (Cl. 299—107)



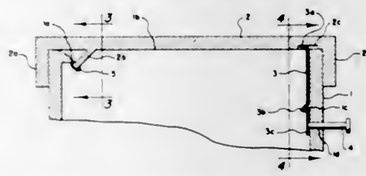
1. A spray nozzle structure comprising, a tubular member having an unobstructed bore of constant cross-sectional shape and area for discharging a spray, a second tubular member the bore of which has an outwardly flaring mouth smaller than the bore of the first tubular member and connected to discharge thereinto a fluid spray mixture under pressure of liquid and vapor of a liquid, and a closed reaction chamber open only to the bores of said tubular members at their juncture to provide a reaction zone for the vapor of the fluid spray mixture upon passing from the second tubular member to the first tubular member.

2,573,983
TEMPERATURE FUSIBLE PLUG FOR SPRAYING APPARATUS
Frank W. Ofeldt, Carnot, Pa., assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa., a corporation of Pennsylvania
Application July 15, 1948, Serial No. 38,833
2 Claims. (Cl. 122—504.1)



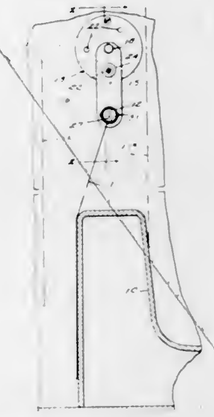
2. A thermal safety device for conducting heated fluids consisting of a T-fitting having two aligned openings and one lateral opening, the lateral opening being smaller than the aligned openings, a plug closing one of the aligned openings, said plug characterized by having predetermined softening and melting characteristics, and means to connect a source of heated fluid to normally flow into said other aligned opening and discharge out said lateral opening, excessively heated fluid melting said plug to discharge directly through the aligned openings and inspirate air through the smaller lateral opening and discharge it with the fluid out of said one aligned opening.

2,573,984
COVER AND LOCK FOR TOILET FLUSH TANKS
Leo Parker, San Diego, Calif., and Clyde R. Hopper, El Paso, Tex.
Application May 10, 1948, Serial No. 26,098
1 Claim. (Cl. 4—68)



The combination with a rectangular flush tank having an open end, said tank provided with an inwardly extending flange portion at the upper edge of one end thereof, said flange being curved downwardly on its upper edge and terminating in a rounded or curved extremity, of a flanged cover for said tank adapted to be positioned thereover, said cover provided with a downwardly and outwardly inclined projecting portion adjacent to and inclined toward said flange portion, a pad on the end of said projecting portion engaging the rounded lower extremity of said flanged portion in slightly overlapped relation therewith when the cover is in closed position on said tank, a resilient latch connected to said cover near its opposite end, extending downwardly into said tank, a projection having an upper beveled portion and a lower shoulder extending from the inner side wall of said tank, said latch having a lower offset shoulder portion and a beveled upper portion engageable with said projection, said tank having an opening extending through the side wall thereof, and a release member slidably mounted in said opening, adapted to engage and deflect said latch member for disengaging the same from said inwardly projecting portion of said tank.

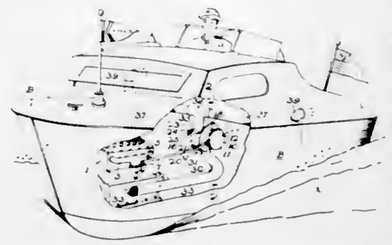
2,573,985
SHOWER BATH CURTAIN SUPPORT
George G. Porter, Miami, Fla.
Application March 11, 1946, Serial No. 653,516
2 Claims. (Cl. 4—149)



1. The combination of a bathtub having an upstanding side wall, and shower curtain supporting means including a fixed support extending upwardly adjacent each end of said side wall, an end plate secured to each of said fixed supports above and in substantial vertical alignment with said side wall, pivot means on each of said plates, a lever arm rockably carried at one end thereof by each of said pivot means, a shower curtain rod supported at the opposite ends thereof by the other ends of said lever arms, a plurality of circumferentially spaced apart openings formed in at least one of said plates, one of said openings being disposed outwardly of and in horizontal alignment with said pivot means, another of said openings being disposed inwardly and above said pivot means, and a spring-pressed plunger carried by at least one of said lever arms and adapted to selectively engage said openings whereby said lever arms may be rotated outwardly to engage said plunger in said outwardly disposed opening for supporting a shower curtain on said rod in outwardly spaced relation to said side wall, and whereby said lever arms may be rotated inwardly to engage said plunger in said inwardly and upwardly disposed opening to support the lower end of a shower curtain depending from said rod in inwardly spaced and raised relation to said side wall.

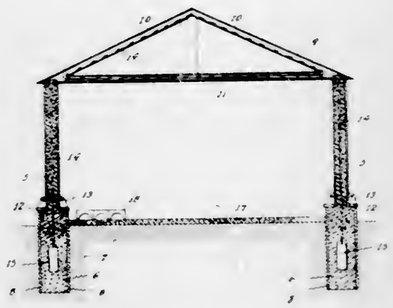
2,573,986
VENTILATOR FOR WATER CRAFT
Edwin A. Roper, Washington, D. C.
Application August 30, 1950, Serial No. 182,315
1 Claim. (Cl. 98—43)

A ventilator for water craft containing an internal combustion engine including an intake manifold, said ventilator comprising a shaft, a suction motor mounted on said shaft and adapted to rotate said shaft, a blower mounted on said shaft and driven by the rotation of said shaft, a tube extending from said suction motor for connecting said suction motor to said intake manifold whereby the suction through said manifold in the operation of said internal combustion engine creates suction through said tube to drive said suction motor, an intake pipe connected to said blower and adapted to extend into the bilge area of the water craft to draw off



gasoline fumes and the like produced in the operation of the internal combustion engine, and an exhaust pipe connected to said blower adapted to discharge such fumes to the atmosphere under force of said blower.

2,573,987
BUILDING CONSTRUCTION
Henry E. Sage, West Hartford, Conn.
Application June 7, 1946, Serial No. 675,184
4 Claims. (Cl. 72—1)

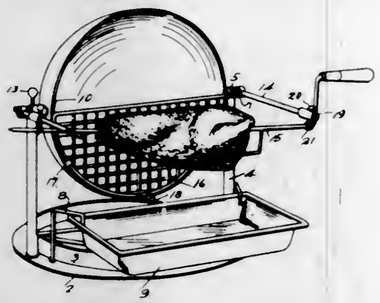


4. A building construction comprising a foundation, a pair of upright tubular posts supported upon said foundation, a frame including a tubular beam resting upon the ends of said posts, a pair of tubular rafters inclined upwardly upon said beam, a flexible cable extending through said beam in one direction, then through said rafters and again through said beam in the opposite direction, the ends of said cable extending downwardly through openings in said beam and through said posts, and weights secured to the ends of said cable and embedded in said foundation; the said posts being filled with cement or the like and thereby forming an integral body with said foundation and embedding said cable within said posts.

2,573,988
ROTARY FIRE-BOWL BARBECUE STOVE
Jack Saltzberg, Los Angeles, Calif.
Application April 22, 1949, Serial No. 88,959
6 Claims. (Cl. 99—421)

6. A barbecue stove including, in combination, a spit, a pedestal having a pair of spaced uprights having fixed bearing bosses at their top ends, a fire bowl arranged between the said bosses

and having radial trunnions turnably mounted in the bosses, means to fasten the bowl in a selected rotational position in the bosses, and having parallel arms fixed to said trunnions and spit supporting members adjustable along said arms for holding a spit at various angles to the face of the fire bowl.

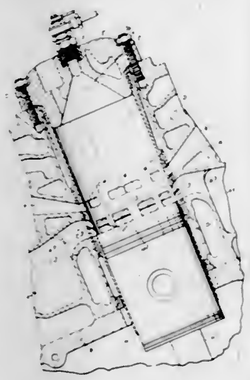


2,573,989

INTERNAL-COMBUSTION ENGINE OPERATED ON THE TWO-STROKE CYCLE

Herbert Sammons, Gerrards Cross, and Leslie Frank Hall, London, England, assignors to D. Napier & Son Limited, London, England, a British company

Application October 12, 1949, Serial No. 120,844
In Great Britain November 9, 1948
7 Claims. (Cl. 123—65)



1. An internal combustion engine operating on the two-stroke cycle including a cylinder having formed therein piston-controlled inlet and exhaust ports with an exhaust port disposed circumferentially adjacent to each of at least the majority of the inlet ports, a piston arranged to reciprocate within the cylinder so as to uncover the inlet and exhaust ports at the end of its outstroke, and a lip projecting abruptly downwards from the edge of each inlet port which is first uncovered by the piston and deflecting the upper layers of the gaseous charge entering through the port downwards in a manner corresponding approximately to the upward deflection of the lower layers of the charge caused by the upper edge of the piston during the period when the piston partially covers the port.

2,573,990

RECOVERY OF MEDICINAL CREOSOTE

Lloyd T. Sandborn, Crossett, Ark., assignor to Crossett Lumber Company, a corporation of Arkansas

No Drawing. Application March 8, 1948, Serial No. 13,743
6 Claims. (Cl. 260—627)

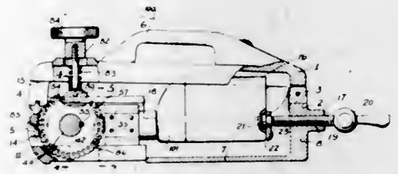
1. In the process of recovering medicinal creosote from an aqueous alkaline phenolate solution formed by reacting wood oils with an aqueous solution of caustic alkali, the step which consists in extracting from said solution only those constituents having a lower specific gravity than the product sought with a liquid organic solvent for wood oil which is immiscible in and chemically inert toward said aqueous alkaline solution.

2,573,991

WORK HOLDING PORTABLE CIRCULAR SAW

Paul Schildknecht, Los Angeles, Calif., assignor, by direct and mesne assignments, to Machine-Craft Mfg. Co., Los Angeles, Calif., a corporation of California

Application June 29, 1946, Serial No. 680,474
3 Claims. (Cl. 143—43)



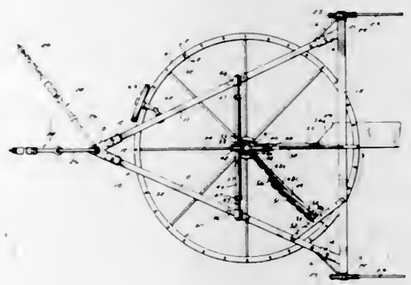
1. A saw, including a pair of housing members hinged together at one end and provided with work engaging and holding jaw portions at their other ends; an electric motor and a disc saw positioned between said housings; and means carried by one of the housing members for moving the motor and saw toward and away from any work held by the jaw portions.

2,573,992

WHEELED ROTARY STRAW MULCHER

Alfred Schultz and Carl Schultz, Upham, N. Dak.

Application July 2, 1945, Serial No. 602,782
9 Claims. (Cl. 55—20)



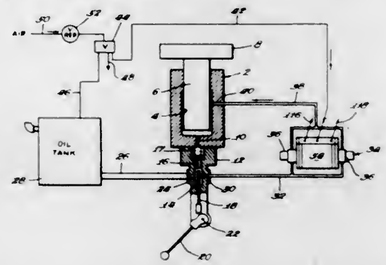
1. A portable rotary rake of the class described comprising a horizontally disposable substantially triangular frame structure, ground contacting and supporting wheels for said frame structure, a rotary rake mounted on and carried by said frame structure, the latter structure comprising a pair of diverging frame members, a V-coupling connecting the converging ends of said frame members, and a rear cross member, said cross member being provided with sockets, the rear adjacent ends of said first-named frame members being removably mounted in said sockets, and said wheels being removably mounted on said frame structure, whereby to permit said structure to be dismantled and knocked down for compactness, convenience, and shipping and storage.

2,573,993

HYDRAULIC PNEUMATIC SYSTEM FOR ACTUATING PRESSURE

Robert K. Sedgwick, Oak Park, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application July 10, 1948, Serial No. 38,093
2 Claims. (Cl. 60—51)



1. In an actuating circuit for a hydraulic motor having a cylinder and a ram therein; the combination of a closed reservoir of hydraulic fluid, a hydraulic intensifier having a discharge side connected to said cylinder and having a suction side connected to said reservoir, said intensifier being adapted upon actuation thereof to continuously deliver hydraulic pressure fluid to said cylinder, pneumatic motor means for continuously operating said intensifier as long as pneumatic pressure fluid is delivered to said motor means, an hydraulic valve comprising a casing having a chamber connected at all times to the intensifier and to the reservoir, said casing comprising a port connecting the chamber to the cylinder, and said valve comprising a stem and spring means for urging the stem to closed position whereat said port is closed, means for moving said stem to open position against the resistance of said spring means, and pneumatic valve means operable in one position thereof to deliver pneumatic pressure fluid only to said reservoir whereby, upon opening of said stem, hydraulic fluid is forced from said reservoir to said cylinder, said pneumatic valve means being adapted in another position thereof to deliver pneumatic pressure fluid to said motor means, and being adapted in neutral position to exhaust both said reservoir and said motor means.

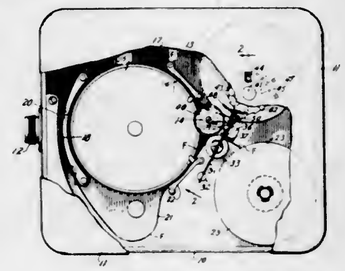
2,573,994

FILM POSITION INDICATOR FOR MOTION-PICTURE CAMERAS

Emerson Paul Shepard, Chillicothe, Ohio

Application June 22, 1948, Serial No. 34,537
7 Claims. (Cl. 116—114)

1. In combination, a motion picture camera adapted to use a film therein having a main light-sensitive portion, at least one end portion and a transverse engagement surface indicative of the juncture between said two portions, resilient means yieldingly mounted adjacent said film and biased toward a position in the path of said engagement surface for engagement therewith to be displaced thereby in the direction of film movement approximately when said juncture approaches the focal plane of the camera, cam means adjacent said resilient means adapted to bear on said resilient means to release said resilient means from said engagement surface for return movement, and film-position indicating means responsive to displacement and release of said resilient means.

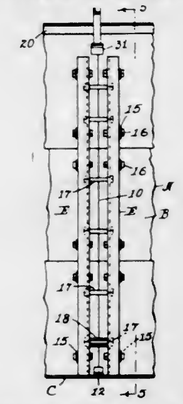


2,573,995

STORAGE TANK CONSTRUCTION

Joseph T. Sparling, Los Angeles, Calif.

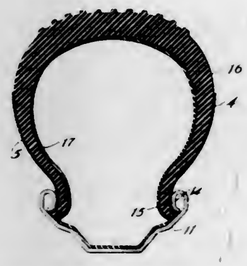
Application March 3, 1947, Serial No. 731,999
1 Claim. (Cl. 220—1)



In a tank structure, a base, an upright secured to the center of the base, a plurality of longitudinally curved panel units mounted on the base on end and extending one above the other with their vertical meeting edges in alinement with the meeting edges of adjacent upper and lower panel units, lugs secured to the vertical edges of the panel units and extending inwardly in spaced relation from one another and from the vertical edges of said panel units, structural bars connecting corresponding lugs of each superposed panel unit, said structural bars being arranged vertically in pairs arranged one on each side of the vertical seam of the superposed panel units, threaded fasteners connecting each pair of structural members and arranged in spaced apart relation throughout the length thereof, spacing

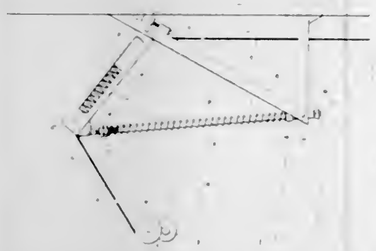
members mounted on certain of said threaded fasteners to hold said structural members and the vertical edges of the panel units in predetermined spaced apart relation, structural members connecting the uppermost course of panel units with their inner ends supported on the central upright and a sectional roofing structure supported by said last-named structural members, said vertical structural members being arranged internally of the tank structure and in spaced apart pairs to provide a guide to accommodate a welding torch while the vertical seam is being welded.

2,573,996
SIDE WALL FOR BICYCLE WHEELS AND TIRES
William G. Spencer, Burbank, Calif.
Application March 24, 1949, Serial No. 83,194
2 Claims. (Cl. 301—37)



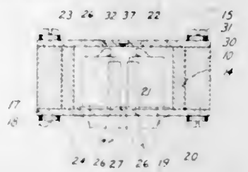
1. The combination with a bicycle rim and its tire, of a side wall member for said tire and interposed in part between the tire and the rim, said side wall member comprising three sections of annular sector form, each section provided with an offset end and a planar end, the offset end of one section cooperating with the planar end of an adjacent section.

2,573,997
SAFETY DEVICE
Manuel O. Souza, Merced, Calif.
Application July 15, 1946, Serial No. 683,797
4 Claims. (Cl. 254—173)



1. A circuit breaker for the circuit of an electric motor driven winch and cable system, comprising a frame, an arm pivoted adjacent one end on the frame for swinging motion laterally of the cable, one sheave on the arm adjacent its pivot, and another sheave on the arm adjacent its opposite end, the cable being engaged by said sheaves, a spring-urged rod connected to the arm and urging the same in one direction to a position normally deflecting the cable out of a direct line of pull, a normally closed switch in the circuit, and means operative to open the switch upon excess tension on the cable and resultant movement of the arm in the opposite direction as caused by tendency of the cable to then straighten out to said direct line of pull; the cable extending beyond the pivoted end of the arm in said opposite direction, and said one sheave being mounted on the arm for yielding movement toward the other sheave.

2,573,998
OSCILLOGRAPH-GALVANOMETER
Louis A. Thompson, Rocky River, Ohio, assignor to NEA Service, Inc., Cleveland, Ohio, a corporation of Delaware
Application November 23, 1945, Serial No. 630,404
8 Claims. (Cl. 171—95)



1. An apparatus of the class described including a permanent magnet formed with a bore extending in the direction of its polarization, magnetically permeable supports provided at the ends of said magnet, an electromagnet carried by one support and extending through said support to a position spaced from the other support and a movable vane carried by said other support in closely spaced relation to said electromagnet.

2,573,999
IONIZATION CHAMBER
John A. Victoreen, Cleveland, Ohio, assignor to Victoreen Instrument Company, Cleveland, Ohio
Application January 27, 1947, Serial No. 724,601
13 Claims. (Cl. 313—93)

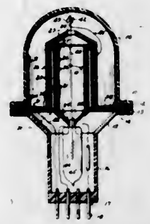


1. A pocket chamber comprising a barrel having a carbon impregnated liner therein, a bottom closure and an open top, an electrode supported in said barrel and insulated therefrom, a removable cap slidable into the open top and means to seal the cap to the top.

2,574,000
IONIZATION AND VACUUM TUBE CHAMBER
John A. Victoreen, Cleveland, Ohio, assignor to Victoreen Instrument Company, Cleveland, Ohio
Application March 27, 1947, Serial No. 737,579
8 Claims. (Cl. 313—93)

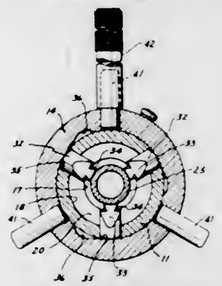
1. An apparatus of the class described comprising a housing having a conductive coating on its interior, a center cylinder having a conductive coating on its exterior, a flange for said center cylinder engaged with said housing for holding

the center cylinder in position, an inner cylinder disposed in said cylinder and having a bottom wall disposed in substantially the same plane as said flange, a base formed with a flange disposed in engagement with the flange on said cylinder and said housing and formed with a chamber



below said housing, connector means extending from the bottom of said chamber, a vacuum tube disposed in said chamber and having a grid lead extending through said bottom wall into said cylinder and connector means connecting said grid lead to said conductive coating on said center cylinder.

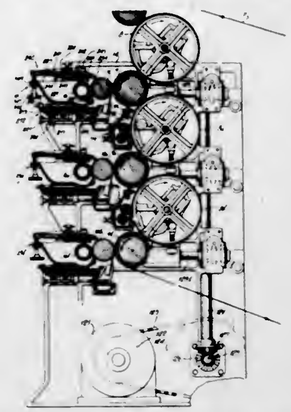
2,574,001
PIPE NIPPLE CHUCK
Herman Weibel, Lakewood, and Anton J. Janik, Elyria, Ohio, assignors to The Ridge Tool Company, Elyria, Ohio
Application January 12, 1950, Serial No. 138,182
2 Claims. (Cl. 81—53)



1. A tool of the class described comprising a body adapted to hold a workpiece and formed with a central bore, a stop plug slidably disposed in said bore, said plug being formed with a cam surface and a pin-receiving portion adjacent said cam surface, a plurality of wedge pins slidably disposed in said body and having tapered surfaces adapted to engage said cam surface, said plug having a part on the side of said pin-receiving portion adapted to engage said pins to limit the movement of said plug, and ring means rotatable on said body formed with cam surfaces adapted to engage the ends of said pins to move them and thereby to determine the position of said plug.

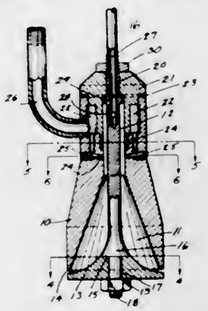
2,574,002
WEB HANDLING MECHANISM FOR MULTI-COLOR PRINTING PRESSES
Adolph Weiss, Brooklyn, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application December 3, 1945, Serial No. 632,412
11 Claims. (Cl. 101—181)

1. In a multi-color web printing press which comprises a plurality of printing couples each including a printing cylinder and an impression cylinder, and a web transfer drum adapted to bear against each of a pair of successive impression cylinders, in combination, a carrier for one of the impression cylinders operable to carry the impression cylinder bodily toward and from the cooperative printing cylinder, means supporting an associated web transfer drum from said carrier for movement in unison with the



said impression cylinder toward and from operative position, for movement toward and from said impression cylinder, and for movement toward and from a neighboring cylinder parallel to said impression cylinder, and means for adjusting the relation of the transfer drum relative to said impression cylinder and to the neighboring parallel cylinder.

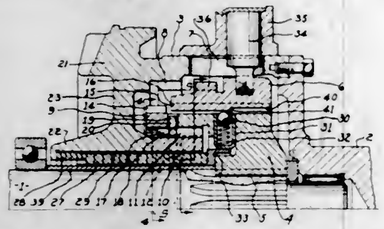
2,574,003
SPRAY NOZZLE
Robert L. Wymer, Jr., Poland, Ohio
Application April 1, 1947, Serial No. 738,654
5 Claims. (Cl. 299—120)



3. A nozzle comprising a cylindrical body member having an outwardly tapering chamber in one end thereof and a cap on the other end thereof, a mixing chamber in the body member adjacent said cap, passageways through said body member for introducing material into the said mixing chamber, valves in said passageways and means for introducing a propelling medium into the mixing chamber, said propelling medium introducing means including a stem, one end of which is hollow, centrally disposed in the said body member and extending through the mixing and tapering chambers and outwardly beyond the end of said body member, openings in the hollow end of the stem communicating with the said mixing chamber and a circular baffle posi-

tioned on the other end of the stem and spaced with respect to the body member and forming means for directing the material from the nozzle in a 360 degree pattern.

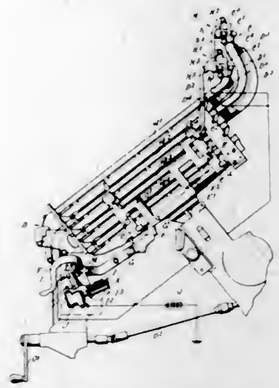
2,574,004
BALKING RING CLUTCH
Edward W. Zingsheim, Toledo, Ohio, assignor to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application June 23, 1949, Serial No. 100,776
5 Claims. (Cl. 192—53)



1. A balking ring clutch construction which comprises complemental drive and driven sections, the drive section comprising an axially shiftable member and the driven section being stationary insofar as axial shifting is concerned, the shiftable member having clutch teeth shiftable with said member into and out of intermeshing engagement with complemental clutch teeth on the driven section, and also having blocking teeth, a balking ring rotatable with the drive section and having a limited rocking movement relative thereto, the balking ring having blocking teeth located in the path of movement of the blocking teeth of the shiftable member and shiftable by the rocking movement of the balking ring into and out of blocking position, the blocking teeth of the shiftable member intermeshing with the blocking teeth of the balking ring when the drive and driven sections are engaged, and means biasing the balking ring into position to shift the blocking teeth thereof into blocking position to the blocking teeth on the shiftable member; the balking ring clutch construction being characterized by a clutch spring between the drive and driven sections loaded by overrunning of the driven section when the sections are unclutched, the spring coacting with the balking ring to frictionally grip and rock the balking ring against the action of the biasing means during overrunning of the driven section, the spring being anchored to the driven section, a clutch device carried by the drive section normally anchoring the spring to the drive section when the sections are disengaged, and coacting parts on the clutch device and on the shiftable member to release the clutch device when the shiftable member is shifted to clutch the drive and the driven sections together.

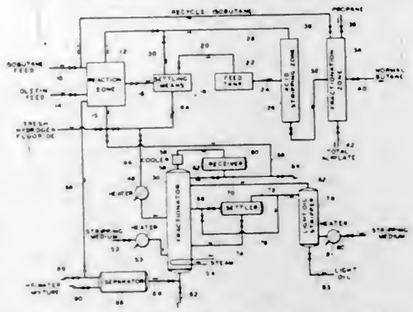
2,574,005
MAGAZINE SHIFTING SAFETY DEVICE
Archer O. Albin, Lynbrook, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application January 3, 1946, Serial No. 638,816
7 Claims. (Cl. 199—43)

1. In a typographical distributing machine equipped with a series of matrix magazines and a shift frame therefor movable upwardly and downwardly to bring a selected magazine into use, the combination of manually controlled means for operating the shift frame, a channel entrance for conducting matrices in course of distribution into a selected magazine, locking means movable into and out of engagement with the shift frame for locating it in different positions, a safety device to positively prevent the disengagement of the locking means from the shift frame, said safety device being normally inactive, an electrical element for rendering the safety device active, circuit means for energizing said elec-



trical element when a matrix becomes lodged between the channel entrance and the selected magazine, said circuit means including in series a part closable through the lodged matrix and another normally open part, and means actuated by a partial movement of the locking means before their disengagement from the shift frame for closing said normally open circuit part.

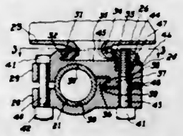
2,574,006
METHOD OF RECOVERING HYDROGEN FLUORIDE IN AN ALKYLATION PROCESS
John Gordon Allen, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 17, 1947, Serial No. 780,312
6 Claims. (Cl. 260—683.4)



1. In a process for the alkylation of alkylatable paraffins with olefins which comprises subjecting alkylatable paraffins and olefins to contact under alkylation conditions in an alkylation zone with hydrogen fluoride catalyst; separating a reaction mixture effluent from said alkylation zone into a hydrocarbon phase and a catalyst phase; passing at least a portion of said catalyst phase to a fractionation zone; removing a mixture of hydrogen fluoride and low boiling hydrocarbons from an upper portion of said fractionation zone; returning at least a portion of said mixture to said alkylation zone; withdrawing a stream comprising light acid-soluble organic ma-

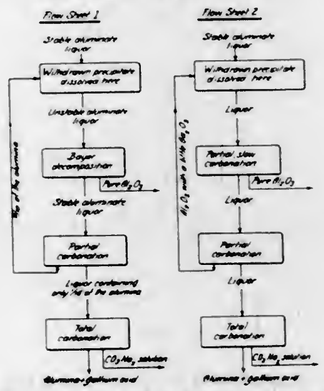
terial and hydrogen fluoride intermediate an upper portion and a lower portion of said fractionation zone; passing said stream to a settling zone where a hydrocarbon phase is separated therefrom; passing said resulting hydrocarbon phase to a stripping zone and removing therefrom absorbed hydrogen fluoride; and returning the resulting hydrogen fluoride to an upper portion of said fractionation zone.

2,574,007
CLAMPING DEVICE
James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application August 1, 1946, Serial No. 687,777
3 Claims. (Cl. 255—51)



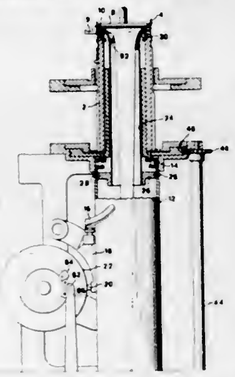
1. In a clamping device for rock drilling mechanism having a conical extension, a pair of plates having recesses in opposed surfaces thereof to receive a support member, a seating surface on one plate for the conical extension, means for clamping the conical extension to the seating surface, interlocking surfaces on opposed surfaces of the plates between the recesses and the said clamping means for holding the plates together on one side of the recesses, and means for applying pressure to the other ends of the plates for clamping said plates to a support.

2,574,008
METHOD OF EXTRACTING GALLIUM OXIDE FROM ALUMINOUS SUBSTANCES
Maurice Beja, Paris, France, assignor to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques, Paris, France, a corporation of the French Republic
Application December 20, 1947, Serial No. 792,947
In France December 30, 1946
11 Claims. (Cl. 23—140)



1. Given a caustic alkali solution of aluminous material containing a small amount of gallium and of sufficiently high concentration in Al_2O_3 to be unstable, the method of separating and recovering the gallium content thereof which comprises first precipitating by hydrolysis and removing from the solution substantially pure aluminum hydroxid to reduce its concentration in Al_2O_3, partially neutralizing the solution by an acid added thereto in small increments to slowly precipitate further aluminum hydroxid, removing this second precipitate from the solution, thereafter acidifying the solution sufficiently to cause substantially all of the aluminum and gallium content remaining in the solution to precipitate together as hydroxids, removing the latter hydroxids and treating them to recover their gallium content.

2,574,009
KNITTING MACHINE
Alexander Belford and Fred A. Kuss, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application August 20, 1949, Serial No. 111,484
16 Claims. (Cl. 66—153)



1. In a circular knitting machine, a needle cylinder, needles slidable in said cylinder, means associated with said needles for holding stitches during the formation of a turned welt, a cylinder located inside the needle cylinder, there being relative rotation between the needle cylinder and the last mentioned cylinder, and a fin carried by the last mentioned cylinder acting to cam inwardly and downwardly fabric constituting a turned welt.

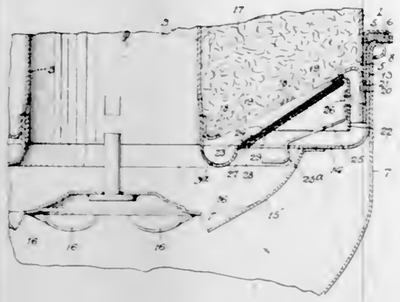
2,574,010
SHAKER TABLE FOR COMBINES OR THRESHERS
Tobias N. Bjorndahl, Watrous, Saskatchewan, Canada
Application March 23, 1949, Serial No. 82,929
1 Claim. (Cl. 130—24)



A grain retrieving screen for threshing machines, combines and the like comprising in combination a frame, means for securing said frame in spaced relationship to a reciprocating tailing chaffer for oscillation therewith, and a corrugated plate spanning said frame, said corrugations lying in the direction of oscillation, the ridges and valleys of said corrugations being apically abated and embossed respectively at spaced intervals, to provide recesses of substantially nasal contour and projections of substantially

nasal configuration having vestibular and flanking surfaces, said vestibular surfaces lying in actional opposition, the flanking surfaces of said recesses inclining upwardly and away from the vestibular surfaces thereof, and towards the rear end of said ridges and the flanking surfaces of said projections inclining downwardly away from their vestibular surfaces towards the rear ends of said valleys, and a parallel wire screen extending between the chaffer and the corrugated plate to receive the grain from the plate and transmit motion from the chaffer to the plate.

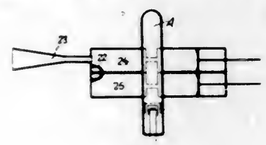
2,574,011
CHAFF SCREEN
Mark L. Blair, Flossmoor, and Alexander J. McAllister, Chicago, Ill., assignors to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application December 29, 1945, Serial No. 638,329
2 Claims. (Cl. 183—15)



1. In combination in an air cleaner, a housing and an inlet tube positioned centrally within said housing, said tube and said housing defining between themselves a filter space, a quantity of filter material positioned in said space, and a primary filter assembly comprising a plurality of downwardly and inwardly inclined conical, woven mesh members and a generally conical support therefor, said mesh members being permanently secured to said support with their meshes mismatched, said support including an upwardly directed tubular section adapted to extend into the lower end of said inlet tube and including also an annular baffle portion positioned between the lower end of the tubular section and the lower end of the conical support for directing air flowing from said inlet tube onto said mesh members.

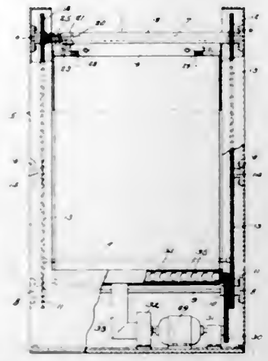
2,574,012
ELECTRON DISCHARGE TUBE AND CIRCUIT ARRANGEMENT THEREFOR
Robert Bonne, Pierre Cahour, and Pierre Grivet, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application May 2, 1947, Serial No. 745,628
In France September 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 15, 1962
7 Claims. (Cl. 315—6)

2. A velocity-modulation tube of cylindrical form provided on its external surface with annular velocity modulating electrode outlets, a hollow resonator in the form of a rectangular parallelepipedal box equipped with circular holes through which the body of the said tube passes and whose edges establish contact with the said electrode outlets, a wall of said box being mov-



able and connected with means for pushing it in adjustably in piston-like fashion.

2,574,013
LEAF TURNER
Donald S. Boyd, Kansas City, Kans.
Application January 27, 1947, Serial No. 724,615
4 Claims. (Cl. 40—104)



2. In a leaf turner, a movable, endless elevator having an ascending and a descending elevator; a horizontal member mounted on the elevator and movable therewith; apparatus for suspending a pack of loose leaves adjacent one side of the ascending flight of the elevator proximal to said descending flight thereof; means for holding said descending flight bent toward said ascending flight where a portion of the former is on the same side of the pack of leaves as the ascending flight, whereby said member contacts the pack of leaves as it descends and swings the pack of leaves toward said ascending flight, said pack of leaves returning to a normal vertical position by force of gravity as the member moves toward an ascending position; and structure for receiving and releasably holding one leaf of said pack as the remainder of said pack returns to said normal position, said means being disposed intermediate the ends of said descending flight of the elevator whereby as said member descends it moves toward and away from the ascending flight as it approaches and leaves said means.

2,574,014
SLIDE FASTENER FOR DETACHABLY ATTACHING BUTTONS TO FABRIC AND THE LIKE
Allan E. Bryce, Providence, R. I.
Application January 17, 1949, Serial No. 71,288
2 Claims. (Cl. 24—104)

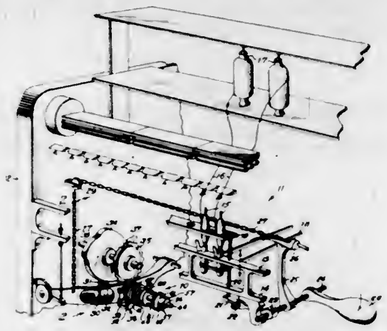
1. A fastener for detachably securing a button to one side of a piece of fabric comprising a U-shaped coupling member attached to the button with ends piercing the fabric and transversely

grooved on the other side of the fabric, and a slide member bent into elongated loop form with a pair of legs one of which is formed with a slot extending from one end inwardly past the center of said leg to fit in said grooves and straddle said ends of the coupling member in interlocking engagement therewith to prevent said coupling member from pulling out of the fabric, said slot having an open entrance end whereby said slide member may be slid onto said ends of the coupling member, the other leg of said slide member



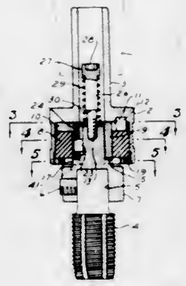
having a free end engaging the slotted leg and bridging and closing said entrance end of the slot to prevent said slide member from sliding off said ends of the coupling member, said legs of said slide member being resiliently connected for flexing to disengage said free end from said slotted leg for opening the entrance end of the slot to provide for entering said ends of the coupling member in the slot and being reactive toward each other to normally engage said free end with said slotted leg and bridge and close said entrance end of the slot.

2,574,015
BUNCH BUILDING MECHANISM FOR SPINNING OR WINDING MACHINES
William H. Buckner, Starkville, Miss., assignor to Talladega Foundry and Machine Company, Talladega, Ala., a partnership
Application January 26, 1949, Serial No. 72,808
2 Claims. (Cl. 242—43.7)



1. A bunch builder attachment for use with winding and spinning machines comprising a buncher disk adapted to be adjustably secured to a driven cam shaft of a spinning or winding machine for rotation therewith, a buncher guide operating with said buncher disk for applying bunches to spindles or quills of the machine including a supporting bracket adapted to be demountably fastened to a swingably mounted builder arm of the machine, a buncher guide shaft secured to said bracket and projecting therefrom in substantially a horizontal plane, a buncher guide member rotatably and slidably mounted on said buncher guide shaft having a threaded peripheral portion receiving the periphery of the buncher disk, and spring means supported by the buncher guide shaft and spring biasing the buncher guide member toward the bracket, said buncher guide member being rotated by engagement with the rotating buncher disk and having the thread thereof pitched to cause the buncher guide member to be displaced away from the bracket to release the buncher disk from an end of the threaded portion thereof for movement into the space between the bracket and buncher guide member, said buncher guide member when in engagement with the buncher disk functioning to retain the builder arm in a depressed position and in an inoperative relationship relatively to a main builder cam of the machine which is carried by and rotatable with said driven cam shaft, said spring means including a spring stop mounted for longitudinal sliding movement on the buncher guide shaft adjacent the end thereof disposed remote to the supporting bracket, a setscrew carried by the spring stop and engaging the buncher guide shaft to adjustably secure the spring stop to said shaft for varying the tension of the spring means on the buncher guide member.

2,574,016
FLEXIBLE TOOLHOLDER
Fred G. Burg, Los Angeles, Calif.
Application November 12, 1946, Serial No. 709,190
3 Claims. (Cl. 10—89)

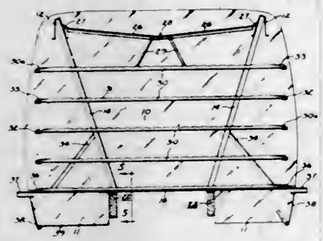


2. In a tool holder: a first member for receiving a tool shank; a second member; one of said members having an axis of rotation; one of said members having a slot transverse to said axis; and the other member having a projection fitting said slot to prevent relative rotation between the members until relative axial movement between said members causes the projection to be freed of the slot; said members having telescoping parts; the inner part forming a tooth elongated in the direction of said axis; a pawl cooperating with the tooth and mounted on the outer part; said pawl and tooth remaining in cooperative relationship upon separation of the projection and the slot; and means forming a driving coupling for the outer part, including an outer casing; and a resilient plug filling the annular space between the casing and said outer part and urging the pawl inwardly.

2,574,017
TRUCK BODY FOR CARRYING BOTTLE CASES
Bruce G. Copping, Atlanta, Ga., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application May 31, 1946, Serial No. 673,465
5 Claims. (Cl. 296—3)

3. In a truck body, a floor structure, a plurality of widely spaced longitudinally extending overhead truss members, means for supporting said

members at their respective ends, a plurality of downwardly and inwardly extending supporting members secured at their upper portions to said truss elements and being carried thereby, and being connected with the floor structure at their lowermost ends, said supports transferring a load outwardly and upwardly away from the chassis sills of a truck; a plurality of case supporting



members extending transversely of the body and being fixedly mounted to said first mentioned supports so as to carry the case load to said overhead truss members, thereby forming a laterally rigid structure; and a plurality of diagonally extending supplementary supports positioned in the lower portion of the body and contacting the floor thereof at one end and the case supporting elements at the other.

2,574,018
LUGGAGE RACK FOR AUTOMOBILES
Dwight M. Cotton, Oakland, Calif.
Application December 14, 1948, Serial No. 65,135
2 Claims. (Cl. 224—42.1)



1. A luggage rack for an automobile top comprising, a rigid base bar, a flexible foot fixed to the base bar adjacent its mid portion, a continuous elastic cushion sole on the foot, screw means including a screw having its head socketed in the end of the foot and its nut bearing against the adjacent side of the base bar interposed between each end of the foot and the base bar for varying the distance between the base bar and the end, and adjustable tie means for connecting the ends of the base bar to the automobile top.

2,574,019
LIGHTING FIXTURE FOR ELONGATED TUBULAR LAMPS
William P. Crockett, Jr., Chicago, Ill.
Application November 29, 1948, Serial No. 62,477
6 Claims. (Cl. 240—51.11)

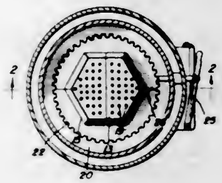


1. In a device of the character described, a box having a floor, side walls, end walls, and an open side opposite the floor, each end wall having a pair of laterally spaced tongues extending over the open side, a socket associated with each pair of tongues, each socket having a portion positioned between the respective tongues, whereby each socket is slidable with respect to the tongues into engagement with the end wall, each socket having a portion extending from the box from the open side thereof, each socket having a block portion extending inwardly from its end wall in vertical register with a portion of the tongues, said block portion having a vertical groove in its inner surface, and clamp means for each socket, each clamp means having vertically spaced fingers adapted to fit over and engage said block portion and said tongues, and screw means interconnecting said fingers for forcing the fingers toward each other and thereby clamping the sockets to the respective pairs of tongues, said screw means being fitted in said groove.

2,574,020
SHORTSTOPPING AN EMULSION POLYMERIZATION REACTION WITH ALKYL POLYSULFIDE
Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application June 17, 1946, Serial No. 677,396
12 Claims. (Cl. 260—84.3)

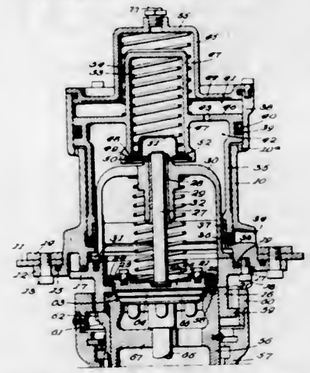
1. In the emulsion polymerization of butadiene and an unsaturated organic monomer copolymerizable therewith in aqueous emulsion in the presence of an oxidation type catalyst, the improvement which comprises carrying the polymerization to the desired extent, and then arresting polymerization by the addition to the polymerizing mixture of an alkyl polysulfide containing 3 to 5 sulfur atoms per molecule and from 2 to 16 carbon atoms in each alkyl group in an amount equivalent to from about 0.1 to about 0.5 weight per cent of the reactants.

2,574,021
CLINKER CRUSHING FURNACE GRATE
Harry H. Culver, Williamsport, Pa.
Application November 26, 1948, Serial No. 62,003
1 Claim. (Cl. 126—170)



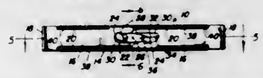
In a furnace structure, a stationary, internally-toothed clinker crushing ring in the furnace, and a furnace grate mounted in the furnace and comprising a fixed bar secured in a transverse position in the furnace under the crushing ring, a sectional table above the bar, a vertical shaft journaled in the bar, means locking the shaft to the underside of each section of the table to hold said sections in assembled relation with each other, operating means connected to the lower end of the shaft for oscillating the shaft and table, and a flat, hollow, polygonal-shaped grate member detachably secured on top of the table inwardly of the edges of the table and centered within the crushing ring in clinker crushing relation therewith.

2,574,022
FILLING AND DRAINING ATTACHMENT FOR TANKS
Carl P. Dahl, Euclid, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application December 13, 1948, Serial No. 65,053
19 Claims. (Cl. 137—68)



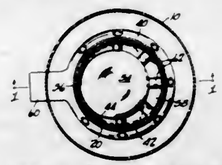
1. A device for use in filling tanks comprising a housing adapted to be attached to the wall of a tank, said housing having an opening through which the tank may be filled or emptied, a first valve for controlling said opening, said housing having a port for connecting the interior of the housing with the interior of the tank, a fluid pressure controlled valve for automatically closing said port when the tank is filled to a predetermined level, said first valve being adapted to be opened by any suitable means exteriorly of the housing, said valves being disposed in said housing and movable in the same direction when opened and means connecting the two valves for opening the fluid pressure valve upon opening of the first valve.

2,574,023
WALLET PROTECTOR
Edmund W. Du Fault, Wollaston, Mass.
Application August 6, 1948, Serial No. 42,964
1 Claim. (Cl. 24—3)



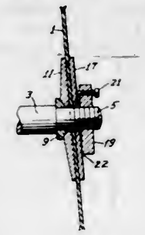
A loss protector for wallets and the like, comprising a relatively flat and elongated housing adapted to be secured to one side of a wallet and having open ends, a pair of co-planar keeper bars slidable in and projectable outwardly from opposite end portions of said housing, resilient means for sliding said bars outwardly to their projected positions, said bars having spaced opposing inner end portions provided with locking recesses open at the inner end edges of the bars, an elongated latch member pivoted intermediate the ends thereof in said housing and extending longitudinally between said keeper bars, opposite end portions of said member affording a pair of locking hooks receivable simultaneously in said recesses whereby said keeper members may be locked in their retracted positions, an intermediate portion of said housing being provided with an aperture offset from the pivot of said latch member, and an actuating knob provided on said latch member and disposed in said aperture, said aperture being of a size whereby to permit lateral shifting of said knob and whereby to fully accommodate the knob so that the latter does not project beyond the outer surface of said housing.

2,574,024
AIR HEATING FURNACE DOME CONSTRUCTION
Daniel O. Elliott, South Bend, Ind.
Application April 22, 1947, Serial No. 743,162
1 Claim. (Cl. 126—106)



A hot air heating furnace comprising a fire box having a combustion chamber therein, a heat radiating dome mounted on the upper end of the fire box and spanning said combustion chamber, said dome comprising a circumferential marginal chambered portion of inverted U-shape in cross section and having inner and outer walls, the outer of said walls being connected at its lower edge to the upper edge of the combustion chamber wall and the inner of said walls having its lower edge spaced inwardly of said combustion chamber wall, the lower portions of said inner and outer walls converging towards each other thereby forming a restricted annular passage for products of combustion to the marginal chambered portion, a central panel carried by the lower edge of the inner wall of the marginal chambered portion and closing the top of the combustion chamber, said inner wall being eccentrically disposed with respect to the outer wall, said outer wall having a stack outlet disposed at the point of minimum spacing between said inner and said outer walls, and a plurality of tubes substantially radially disposed connecting and opening through the inner and outer walls of the dome adjacent the lower side of the marginal chamber, said tubes decreasing in length as they approach the stack outlet, said tubes extending across the marginal chambered portion.

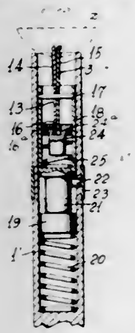
2,574,025
ANGULARLY ADJUSTABLE CIRCULAR SAW MOUNTING
John P. Enslow, San Francisco, and Paul L. Wagner, Walnut Creek, Calif.; said Enslow assignor to John R. Rule, Berkeley, Calif.
Application May 27, 1947, Serial No. 750,652
2 Claims. (Cl. 144—238)



2. An assembly for adjusting the angularity of a circular saw on its spindle, comprising a pair

of washers, one having a planar surface to engage an abutment on said spindle and a convex wall, and the other a concave recess complementary thereto and an exposed planar surface against which a circular saw might be disposed when mounted on a spindle, another washer for contact with the other side of such saw, a nut having a threaded opening therethrough for engagement with a threaded portion of said spindle and a threaded opening therethrough radially spaced from said spindle opening for the reception of a set screw and an edge normal to a line through the centers of said set screw opening and said spindle opening, and a set screw in said set screw opening.

2,574,026
SCREW HOLDING SCREW DRIVER
Arthur U. Eslick, Grosse Pointe Woods, Mich.
Application February 4, 1947, Serial No. 726,293
7 Claims. (Cl. 145—50)

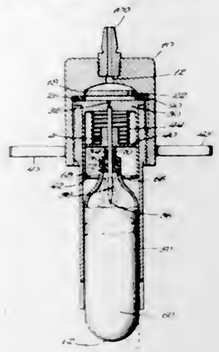


4. In a screw driver, the combination with a tubular shank, of a bit mounted therein, said bit comprising a pair of resilient strips, a carrier supporting said strips with their inner ends in contact with each other, the free ends of said strips flaring outwardly and constructed to spring apart, said strips being relatively longitudinally movable, resilient means for causing the free end of one strip to normally project slightly beyond that of the other, whereby, when pressure is applied thereto the said free ends of the strips are brought into registry, means for mounting said carrier for limited sliding movement within said shank, and means for yieldingly urging said carrier toward the end of said shank.

2,574,027
TREATMENT OF WOOD WASTE
Eduard Farber, Washington, D. C., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware
No Drawing. Application December 23, 1948, Serial No. 67,069
12 Claims. (Cl. 71—24)

1. A process which comprises soaking comminuted wood with an aqueous solution of a mineral acid, drying the mixture and heating the dried mixture at substantially normal atmospheric pressure to a temperature in the range of 130 to 270° C. but below the exothermic decomposition point of the wood, for such time as to convert by chemical condensation a substantial proportion of the cellulose of the wood into lignin like substances, and recovering the dried product there being employed for each 100 parts of the wood from about 2 to about 10 parts of said acid, said mineral acid being selected from the group consisting of phosphoric acid, hydrochloric acid and the sulfur containing acids.

2,574,028
GAS CONTAINER AND DISPENSING MEANS
Mack R. Fields, Libertyville, Ill., and Zbislaw Maciej Roehr, New York, N. Y., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application August 16, 1949, Serial No. 110,562
5 Claims. (Cl. 222—5)



1. A dispensing container for fluid under pressure comprising, in combination: a substantially cylindrical container having an arcuate end wall; an elongated neck portion at the other end of said body; said neck portion being the only outlet in said container; an internal rabbet in said neck portion facing axially outward; an elastic, self-sealing, pierceable diaphragm in said neck portion having annular peripheral abutment with said rabbet; a hollow tube having an enlarged end portion abutting the other side of said diaphragm; said hollow tube having guide means in the nature of a restricted passage adapted to position a diaphragm piercing member and an elastic washer telescoped on said tube and abutting said enlarged portion; the end of said neck portion being rolled inwardly to retain the parts in fixed relation adjacent said lip and seal said container.

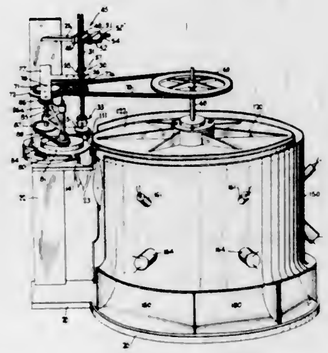
2,574,029
METHOD OF MAKING ALL-TEXTILE ELASTIC FABRICS
Boutwell H. Foster, Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 10, 1946, Serial No. 682,580
2 Claims. (Cl. 28—76)



1. The method of making an all-textile elastic fabric having a substantial stretch and the soft feel of a terry fabric when contracted, which consists in interweaving warp and weft yarns so as to space the weft yarns a substantial distance apart and introduce in the fabric in the direction

it is to stretch substantially spaced helically—coiled high—twist fibrous yarns while these yarns are extended to an approximately straight condition, and introducing therebetween in parallel relation therewith about three ordinary yarns for each of said coiled yarns, then wetting the fabric while it is free of tension so that the extended coiled yarns will contract and form closely adjacent helical coils and at the same time compress said ordinary yarns lengthwise sufficiently to cause them to form outwardly extending puffs or loops that gives the fabric its terry feel.

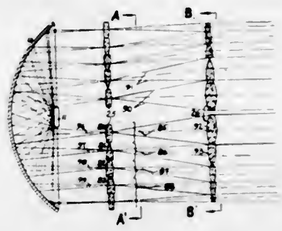
2,574,030
TOBACCO STRIPPER AND GRADER
Carl J. Green, Oak Ridge, Tenn.
Application July 9, 1947, Serial No. 759,834
14 Claims. (Cl. 131—131)



1. A tobacco stripping and grading machine, comprising stripping means for severing the leaves from a tobacco stalk including a plurality of driven shearing elements, stalk positioning means intercoupled with said stripping means to position the leaves on said stalk successively to be engaged by said shearing elements for shearing the leaves individually from the stalk, a series of selector means each responsive to a distinct grade of leaf, a continuous conveyor having means for individually gripping the severed leaves and advancing them toward said selector means, transfer means intercoupling said stripping means and said conveyor means for transferring the individual severed leaves therebetween and release means coupled between each of said selector means and said conveyor means and actuated by said selector means on detection of leaves of the grade to which they are responsive to release the leaves from the conveyor means.

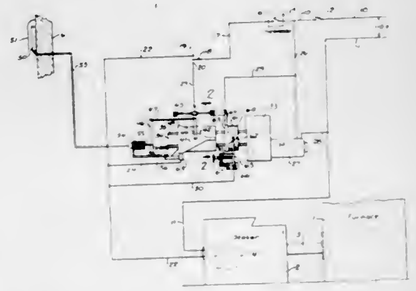
2,574,031
ILLUMINATION SYSTEM
Edgar Gretener, Zurich, Switzerland
Application December 31, 1947, Serial No. 795,156
In Switzerland April 5, 1946
10 Claims. (Cl. 240—41.3)

1. An illuminating system, a reflector subtending a large solid angle, a light source at a focus of said reflector, a first lenticular plate in the path of light reflected by said reflector having a plurality of lens elements thereon arranged to form a plurality of elementary images of said source, a second lenticular plate in the path of light transmitted by said first plate, said second lenticular plate having a plurality of individual lens elements differently shaped and positioned



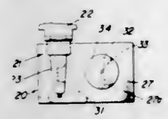
differently about the optical axis of the system whereby they correct distortion of the elementary light beams producing said images of said source.

2,574,032
STOKER CONTROL
Wilfred Almon Hare, Windsor, Ontario, Canada
Application April 29, 1949, Serial No. 90,466
1 Claim. (Cl. 236—46)



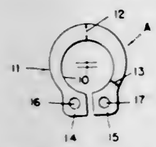
A control system for a stoker for supplying solid fuel to a furnace for heating a building wherein an electric motor drives the stoker, comprising, conductors constituting an electrical circuit for the motor, a thermostat in the circuit adapted to be placed inside the building for closing and opening the circuit upon temperature fall and rise respectively, a drum having tapered contact members, a synchronous motor connected into the circuit for rotating the drum, a shiftable contact element for engagement with the contact members on the drum, the element and drum being connected in the circuit in series with the thermostat, a temperature sensitive element for location outside the buiding, a closed fluid system connected to the sensitive element and including an expansible and contractable chamber inside the building, means connecting the said chamber to the shiftable element, for shifting the same in accordance with the outside temperature to thus variably control the length of the periods in which the circuit to the motor is maintained closed in accordance with the outside temperature, another drum with tapered contact members therein rotated by the synchronous motor, a shiftable contact arm for engaging the second drum, and said arm and drum being connected into the circuit in parallel with the thermostat, and manual means for adjusting the position of the shiftable arm to thereby vary the periodic closing of the circuit for the motor independently of the influence of the thermostat and temperature sensitive element.

2,574,033
LUGGAGE LOCK
Adolf Harper, Middletown, Conn.
Application December 20, 1947, Serial No. 792,871
4 Claims. (Cl. 70—74)



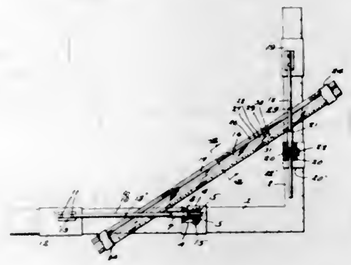
1. A luggage type lock comprising in combination, a box-like casing, a bolt having a locking tongue at one end slidably positioned between two opposed sides of said casing for guided reciprocable movement to and from a position wherein said tongue may engage a hasp, a cover plate for said casing having an L-shaped slot disposed with one branch parallel to the direction of movement of said bolt and the other branch transverse thereto, a link pivotally connected at one end to said bolt and the other end of said link extending beyond the other end of said bolt, a stud extending through said L-shaped slot and said other end of said link, and a manually operable knob secured to one end of said stud and slidable relative to said cover plate to reciprocate said bolt, said knob and stud being operable to pivotally move said other end of said link transversely to the direction of movement of said bolt and thereby dispose said stud in said transverse branch of said L-shaped slot, whereby the walls of the latter hold said stud against movement in a direction to reciprocate said bolt.

2,574,034
SELF-LOCKING RETAINING RING
Heinrich Heimann, New York, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application August 30, 1949, Serial No. 113,177
3 Claims. (Cl. 85—8.8)



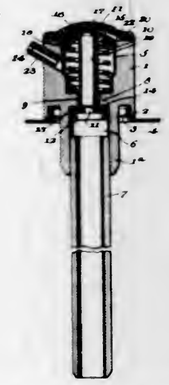
1. A self-locking retaining ring adapted to form a locating shoulder on a carrying member for securing a machine part against axial displacement and which is adapted to secure itself to the surface of said member solely by its friction grip thereon, comprising an open-ended ring body stamped from spring metal having section heights which diminish continuously from the ring middle section towards the free ends thereof, whereby it is adapted to maintain circularity in deformation, the height of the middle section being approximately one-fourth of the free diameter of the circle of the ring edge which friction-grips said surface, the height of the smallest section being approximately one-half that of the middle section and at least equal to the ring-thickness, the free ends of the ring body being provided with protruding lugs for receiving the working points of pliers, said ring body being adapted to be deformed radially by said pliers within the elasticity range of the spring metal an amount not exceeding 5% of its aforesaid free diameter.

2,574,035
AUTOMATIC RAFTER SQUARE
Herbert Cowan Heiskell, Joplin, Mo.
Application January 31, 1951, Serial No. 208,710
3 Claims. (Cl. 33—95)



1. A rafter square including a square member including rigidly connected arms at right angles to each other, a ruling blade extending angularly across said arms and having a floating mounting upon said arms, slide members slidable along the respective arms, locking bars mounted upon the slide members, and means for pressing the locking bars against the respective end portions of the ruling blade to hold the ruling blade in selected positions to which it is adjusted.

2,574,036
DISPENSING DEVICE FOR VOLATILE PRODUCTS
John Henchert, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 21, 1948, Serial No. 28,337
2 Claims. (Cl. 299—150)



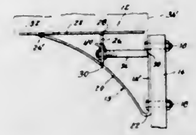
1. A dispensing device for liquid products retained under pressure, comprising a valve body having a lower chamber and an upper expansion chamber arranged one above the other, said body having a partition between said chambers and a passage through the partition for connecting the same, a horizontal valve seat surrounding the passage at the lower end thereof, a valve adapted to engage said seat, a valve stem carrying said valve and extending through said passage to the upper end of said expansion chamber, said stem and passage being dimensioned so as to provide a restricted annular flow channel of uniform cross sectional dimensions for discharging the liquid products into said upper expansion chamber, said dispensing device having a dispensing orifice connected to said upper chamber, an abutment plate rigidly connected to the upper end of said stem, a spring surrounding said stem and bearing at its upper end against said abutment plate, the lower end of said spring resting on the partition as an abutment, said spring operating for normally holding the valve closed, a flexible disk extending across and clamped to the valve body for forming the upper wall of said upper chamber, said valve body having means for clamping the peripheral edge portion of said disk so as to bow the same upwardly so that finger pressure on the disk will cause the disk to engage the abutment plate and move the valve stem for opening the valve.

2,574,037
BUFFING WHEEL
Fritz E. Hendrickson, South Elgin, Ill., assignor of fifty per cent to Murray Ireland, Elgin, Ill.
Application January 10, 1947, Serial No. 721,393
3 Claims. (Cl. 51—193)



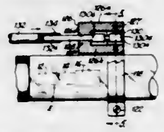
1. In a folded buffing section for a composite buffing wheel having a rotatable central hub with a plurality of holding means at the periphery thereof for supporting folded buffing sections thereon, in combination, a plurality of separate flexible oval plies having substantially the same size, a plurality of smaller oval plies, graduated in size and interspaced with the larger plies, the major axes of the larger plies lying substantially parallel to each other, the major axes of the smaller plies lying substantially parallel to each other but lying across the major axes of the larger plies, all said plies lying together and having a fold that embraces all said plies, said plies including means near the folded edge for engaging the hub and fastening said section thereto, and a binder near said hub-engaging means for holding said plies together.

2,574,038
MAILBOX BRACKET
Emory H. Howard, Des Moines, Iowa
Application July 1, 1950, Serial No. 171,640
6 Claims. (Cl. 248—122)



1. In a device of the character disclosed, a bracket including a vertical element adapted to be mounted on a vertical support, a flexible element secured to said vertical element and extending laterally therefrom, a plate mounted on the extended end of said flexible element, said plate being movable, on flexing of said flexible element, into positions in and adjacent the horizontal, and means interconnecting said vertical element and said flexible element for flexing said flexible element and thereby moving said plate, said means being operable for fixedly securing said plate in any of its positions.

2,574,039
MAGNETIC CENTERING DEVICE FOR CATHODE RAY TUBES
Donald Paul Ingle, Defiance, and Sol L. Reiches, Cleveland, Ohio, assignors to All Star Products, Inc., Defiance, Ohio, a corporation of Ohio
Application February 17, 1951, Serial No. 211,488
9 Claims. (Cl. 313—76)

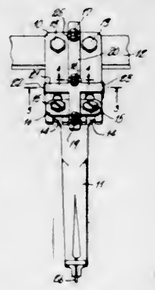


1. A magnetic centering device for a cathode ray tube having a neck containing electron beam producing means comprising in combination, a pair of ferro-magnetic straps adapted to straddle the neck of the tube and, in position, defining a pair of circumferentially spaced gaps, the straps extending radially outwardly at one of the gaps to form a pair of ears with opposed faces, non-magnetic yoke means securing said faces in spaced relation to form a magnet-receiving space and forming a non-circular guideway extending parallel to the neck of the tube; and a rod snugly received in said guideway for shifting movements parallel to the neck of the tube and carrying on its end and partially within the confines of said magnet-receiving space a permanent magnet of length approximately twice the length of the space and having oppositely directed magnet poles at its ends cooperable respectively with the ears to magnetize the straps.

2,574,040
CONDENSATION PRODUCTS OF UREIDES AND FORMALDEHYDE
Harry Jones, Rochdale, and John Kempton Aiken, Sale, England, assignors to The Geigy Company Limited, Manchester, England, a British company
No Drawing. Application February 20, 1948, Serial No. 9,967. In Great Britain February 24, 1947
9 Claims. (Cl. 260—70)

1. A process for the preparation of a synthetic condensation product which comprises heating trichlorethylidenediureide with an excess of formaldehyde in an aqueous medium.

2,574,041
YARN CARRIER FOR KNITTING MACHINES
Josef Sylvester Karl, Athens, Ga.
Application July 7, 1949, Serial No. 103,346
5 Claims. (Cl. 66—126)



1. In a knitting machine, a carrier rod, a carrier assembly having a holder and an adjustable

carrier arm, means including clamp screws for detachably securing said holder to the carrier rod, means for adjustably securing said arm to said holder, a bracket having introductory yarn guides spaced apart vertically along said bracket, means including a hook at one edge of said bracket and a manually operable latch at the opposite edge of said bracket for detachably connecting said bracket to said carrier assembly independently of the means for securing said holder to said rod and without disturbing the adjustment of said arm and a yarn discharge tube at the lower end of said arm.

2,574,042
REINFORCING INSERT FOR ANTIDRIP ATTACHMENT FOR PAINT BRUSHES
John F. Kunau, Long Beach, Calif.
Application January 6, 1949, Serial No. 69,566
1 Claim. (Cl. 15—248)



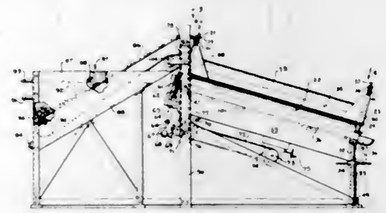
As a new article of manufacture and as a component part of a paint brush anti-drip attachment of the class described, a U-shaped clip embodying long and short limbs, and a pair of U-shaped rigid reinforcing rods, the respective intermediate portions of said rods being rigidly connected with the short limb of said clip and the free lateral ends of said rods being directed from said short limb and toward said long limb.

2,574,043
INSULATED EXTENSION CLIP-ON TEST PROD
Victor Lannou, Pelly, Tex.
Application October 20, 1947, Serial No. 780,784
2 Claims. (Cl. 173—273)



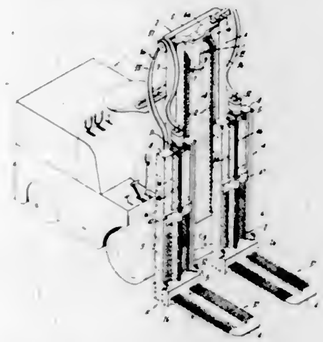
2. In an electrical circuit test apparatus, a housing having a lateral opening, a bore in said housing in communication with said lateral opening, a socket at one end of said housing adapted to retain a plug, and a recess in the opposite end of said housing opening into said bore, a pair of jaws mounted for pivotal movement in said recess, a rod slidably disposed in said bore, means pivotally connecting said jaws and said rod, electrically conductive means in said socket and connected with said rod, means slidably disposed in said lateral opening for sliding said rod, a pin on said last means slidably extending through a passage in said rod and operatively connecting said last means to said rod, a plurality of spaced teeth fixed in said housing and disposed in said bore, said pin being engageable with said teeth selectively to retain said rod in selected positions, and a spring reacting on said pin and against said housing and yieldingly urging said pin into engagement with said teeth.

2,574,044
SHRIMP PEELING MACHINE
Fernand S. Lapeyre, New Orleans, and James M. Lapeyre, III, Houma, La., assignors to Peelers, Incorporated, Houma, La., a corporation of Louisiana
Application April 1, 1946, Serial No. 658,692
19 Claims. (Cl. 17—2)



1. In a shrimp peeling machine, a unit arrangement of three axially inclined oscillating rollers with two of the rollers spaced apart and with the third roller disposed below such space and forming crotches with the spaced rollers, the assembly thus forming a channel to which raw shrimp may be fed for peeling.

2,574,045
FORK LIFT TRUCK
Sidney D. Lapham, Martinez, Calif.
Application February 2, 1948, Serial No. 5,752
10 Claims. (Cl. 214—113)



1. A lift truck comprising: a vertically movable fork carrier provided with a fork-way therein including a curved forwardly extending lower portion; an articulated fork movable within said fork-way, said fork being bendable from a reference plane only in one direction; and power means mounted on said truck for paying out and retracting said fork.

2,574,046
PORTABLE DUMMY FOR ATHLETIC TRAINING
Roland F. Logan, Los Angeles, Calif.
Continuation of application Serial No. 161,230, filed May 10, 1950. This application filed January 13, 1951, Serial No. 205,855
8 Claims. (Cl. 273—55)

5. An inflatable dummy for athletic training comprising in combination, an elongated closed

covering member formed of flexible material and having a generally elliptical shaped contour, said covering member having a convex face on one side thereof and a concave face positioned in spaced relationship thereto on the opposite side

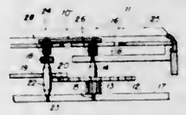


thereof, and an annular pneumatic tube folded about a diameter and inflated within the covering member to hold said covering member under tension to stretch and smooth said convex and concave faces.

2,574,047
PHOSPHATE GLASS
Franklin H. Mackenzie, Lansdowne, Pa.
No Drawing. Application May 2, 1950, Serial No. 159,649
3 Claims. (Cl. 252—109)

2. A laundering material comprising a water-soluble soap and between about 10% and about 50%, based on the weight of the soap, of a sodium phosphate in the form of a clear, transparent, glassy, amorphous solid containing between approximately 65% and approximately 67% of P_2O_5, based on the combined weight of said P_2O_5 and the oxide of said sodium.

2,574,048
ANIMATED TIMEPIECE
Herman Marmor, New York, N. Y.
Application November 3, 1948, Serial No. 58,100
5 Claims. (Cl. 58—127)



1. In a time-piece mechanism of the class described having an escape wheel and coactively associated therewith an unbalanced pallet of the type comprising a tail component and two oppositely disposed arms flanking one end thereof, a dial, a rotatably supported escape wheel arbor, a rotatably supported pallet arbor, each of said arbors containing a forwardly disposed terminal portion extending to the region of the dial, a rotatable animator rider fixedly mounted on the said terminal portion of the escape wheel arbor, and an oscillatory animator rider fixedly mounted on the said terminal portion of the pallet arbor, whereby the first-mentioned rider will be actuated rotatably and intermittently, and the second-mentioned rider will be actuated in oscillatory motion and in cyclic relation to the said first-mentioned rider.

2,574,049
PICKLING
John T. Mayhew, Toronto, Ohio, assignor to National Steel Corporation, a corporation of Delaware
No Drawing. Application November 12, 1948, Serial No. 59,759
25 Claims. (Cl. 252—142)

1. A sulphuric acid pickling bath containing an added compound selected from the group consisting of titanium tetrachloride, titanium trichloride and mixtures thereof, said compound being present in an amount not greater than 1% by weight of the bath.

2,574,050
PHONOGRAPH RECORD ENVELOPE
Samuel W. McCart, Washington, D. C.
Application April 5, 1948, Serial No. 19,115
1 Claim. (Cl. 206—62)

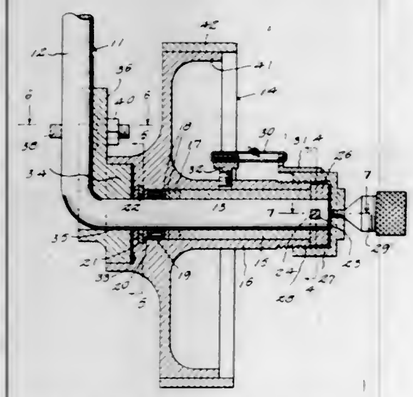


A record envelope of generally rectangular form adapted for vertical disposition in use and including opposed side walls connected at the bottom and side edges and free at the top edge in the provision of a record admission and withdrawal mouth, a triangular spacer disposed in each of the upper and lower corners of the envelope at one edge thereof, and a spacer of substantial vertical extent disposed adjacent the lower corner of the envelope at the other edge thereof, the triangular spacer at the lower corner and the spacer of substantial vertical extent being disposed outwardly of a circle tangent to said bottom and side edges, and the triangular spacer at the upper corner being connected to one side wall and free of the other side wall for admission of a record to and withdrawal thereof from the envelope in the general plane thereof, one edge of the upper triangular spacer extending in angular relation to the top edge and adjacent side edge of the envelope in substantial spaced relation to the adjacent corner thereof, and said edge being bevelled to direct a record between said upper triangular spacer and said other side wall of the envelope upon withdrawal of the record from the envelope.

2,574,051
PLOW WHEEL AND MOUNTING
Robert F. McConnell and Drusilla B. McConnell, Reedley, Calif.
Application May 26, 1948, Serial No. 29,298
2 Claims. (Cl. 301—111)

1. In combination, a shaft for mounting on a plow, a wheel journaled on said shaft, said shaft

being longer than the hub of said wheel, a pin extending through the shaft and overlapping and engaging against the outer end of said hub, a bearing ring fitted on said shaft and interfitted with said pin and engaging said outer end of the hub, an internally threaded cap surrounding said bearing ring and pin engaging around and



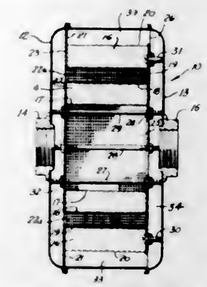
threadedly and adjustably connected to the hub to seal the outer end of the shaft, a bushing between the hub and shaft, the inner end of the hub being recessed, and a collar clamped to the shaft and engaging in the recess to journal the inner end of the hub and, in combination with the cap and pin, preventing sliding movement of the hub on the shaft.

2,574,052
ELECTRIC FENCE
David D. Metcalf, Beckville, Tex.
Application October 25, 1946, Serial No. 705,657
1 Claim. (Cl. 256—10)



In an electric fence including an elongated electric wire, an upright support, said support being provided with a depending member, an insulator having an ear rising therefrom and to which the depending member is attached, said insulator being horizontally grooved for receiving a portion of the electric wire, a strap extending partly around the insulator and having its ends connected to the electric wire for holding the electric wire to the insulator and in the groove, said insulator being also provided with a depending lug, a depending connecting wire having its upper end connected to the depending lug, additional electric fence wire, the medial and lower end portions of the depending connecting member being secured to the additional electric fence wires for holding the same in spaced parallel relation with respect to the first mentioned electric fence wire.

2,574,053
GAS FILTERING DEVICE
Frank K. McGowan, Elizabeth, N. J.
Application April 4, 1949, Serial No. 85,460
4 Claims. (Cl. 183—73)

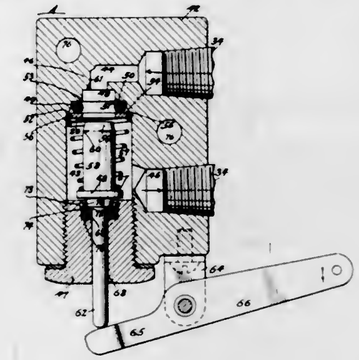


1. A gas filter for removing vapor gum from a pipe line comprising a casing having a cylindrical wall, screens respectively disposed across the ends of the cylindrical wall, cover members fitted over the ends of the cylinder wall and securing said screens respectively thereto, inlet and outlet port members respectively connected to the cover members, said cover members providing respectively gas inlet and gas outlet spaces at the end of the filter, concentric screen cylinders spaced from one another and from the cylindrical wall of the casing, plate means disposed on the screen adjacent the inlet space to block off spaces between the concentric cylindrical screens except for two spaced cylindrical screens providing for a gas receiving space between them, filtering material disposed between the cylindrical screens radially inwardly and outwardly of the gas receiving space within the cylindrical screens, other plate means at the opposite end of the casing adjacent the outlet space for blocking off the ends of the concentric screens except for the inner screen and radial space between the outermost cylindrical screen and the cylindrical wall of the casing whereby to permit the collection of filtered gas in the outlet space adjacent the outlet port member.

2,574,054
FLUID VALVE
Arthur E. Miller, Kenmore, N. Y., assignor to Scott Aviation Corporation, Lancaster, N. Y., a corporation of New York
Application December 2, 1944, Serial No. 566,305
1 Claim. (Cl. 251—27)

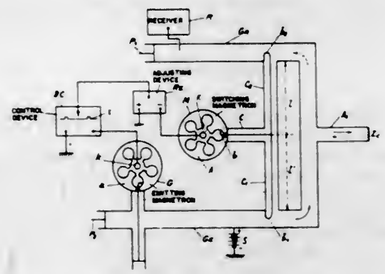
A fluid valve device, comprising a body having a valve chamber, a port in said body, a radial valve seat around said port and forming a part of the inner face of the wall of said valve chamber, a counterbore around said port and forming an annular shoulder facing the same direction as said valve seat and spaced axially from and surrounding said valve seat and a washer seat surrounding said counterbore and spaced axially from said annular shoulder, a continuous flexible rubber valve ring arranged in said counterbore with its periphery in spaced relation thereto and in engagement with said annular shoulder, a retaining washer engaging the side of said rubber valve ring opposite said annular shoulder and seated against said washer seat and apertured to provide communication between said valve chamber and the space between the periphery of said rubber ring and said counterbore, a longitudinally movable valve arranged in said valve chamber to be projected through said

washer, rubber ring and counterbore and against said seat, said valve having a cylindrical body adapted to engage the bore of said rubber ring and a tapering end adapted to engage said valve



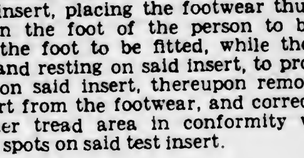
seat, a radial enlargement on the end of said valve opposite its tapered end, and a coil compression spring interposed between said washer and said radial enlargement and holding said washer against said washer seat.

2,574,055
TRANSMITTER RECEIVER DUPLEXING CIRCUIT FOR RADAR APPARATUS
Antoine Jean Ortusi and Patrice Fechner, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application January 17, 1949, Serial No. 71,263
In France February 4, 1948
2 Claims. (Cl. 250—13)



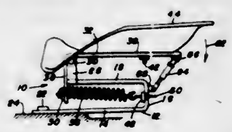
1. An ultra short wave switching device comprising, in combination: a single magnetron having an anode and a cathode, means for applying between said anode and said cathode during a time t_1 a voltage V, smaller than the cut-off voltage so as to produce in the anode-cathode space of said magnetron a spatial charge rendering the impedance of this space very small, means for bringing the voltage between cathode and anode to zero during a time t_2 consecutive to t_1 so as to eliminate said spatial charge and to render the impedance of said space very high, a first wave guide connected and coupled laterally to the said magnetron by a first coaxial line whose length is approximately equal to an odd number of quarter wave lengths whereby the shunt impedance supplied in this first guide by the magnetron and the said first coaxial line is rendered very strong when the anode of the magnetron is at the potential V and very small when the anode is at the potential zero, so as to make the said first guide conductive during the time t_1 and non-conductive during the time t_2, and a second wave guide connected and coupled laterally to the said single magnetron by a second coaxial line whose length is approximately equal to an integer number of half wave lengths whereby the shunt impedance supplied in this second guide by the magnetron and the said second coaxial line is, on the contrary, rendered very small when the anode of the magnetron is at the potential V and very strong when the anode is at the potential zero so as to make the said second guide non-conductive during the time t_1 and conductive during the time t_2.

2,574,056
TEST INSERTION FOR THE CHECKING OF THE CORRECT SHAPE OF THE INNER AND OUTER TREADING AREA OF FOOTWEAR
Vilibald Pelant, Liberec, Czechoslovakia
Application June 25, 1947, Serial No. 756,882
In Germany April 21, 1944
4 Claims. (Cl. 128—2)



1. The method of fitting footwear, which includes the steps of inserting into the footwear to be fitted a test insert accurately fitting the inner tread area of said footwear so as to conform to the shape of the inner-sole of said footwear while said insert is being secured against shifting, said test insert being impregnated with a chemical adapted in response to pressure exerted upon said insert to show pressure spots on said insert, placing the footwear thus conditioned on the foot of the person to be fitted, causing the foot to be fitted, while the foot is moving and resting on said insert, to produce an imprint on said insert, thereupon removing the test insert from the footwear, and correcting the said inner tread area in conformity with the pressure spots on said test insert.

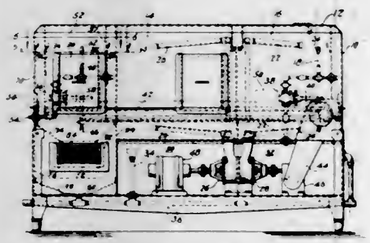
2,574,057
RESILIENT SEAT MOUNT
Clarence F. Peterson, Filer, Idaho
Application August 28, 1950, Serial No. 181,866
2 Claims. (Cl. 155—51)



1. In a seat structure of the type described, the combination of a base member adapted to be secured to a support and including a vertical portion, a forwardly extending horizontal portion at the upper end of the vertical portion, and a pair of transversely spaced upstanding ears at the forward end of said horizontal portion, a horizontal fulcrum pin extending transversely through said ears, an angle bracket having a corner portion pivotally mounted on said pin and affording a rearwardly extending arm and a downwardly

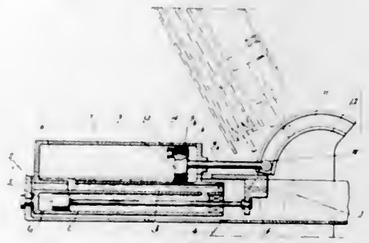
extending arm, a seat mounted on the rearwardly extending arm, said downwardly extending arm being engageable with the front edge of said horizontal portion whereby to limit upward swinging of said seat, a pair of cross bars secured to and projecting to both sides of the downwardly extending arm and the vertical portion of said base member, and a pair of tension springs extending between the ends of said cross bar whereby to resist downward movement of said seat.

2,574,058
DISHWASHING MACHINE
George R. Porter, West Hartford, Conn., assignor to Colt's Manufacturing Company, a corporation of Connecticut
Application March 24, 1945, Serial No. 584,578
4 Claims. (Cl. 134—48)



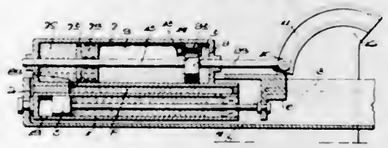
4. In a dishwashing machine, the combination of a cabinet having a front entrance opening and a rear discharge opening, two parallel transversely spaced endless chains within the cabinet for moving therethrough along a fixed path from the entrance opening to the discharge opening a succession of dish carrying trays which are sufficiently open at the bottom to permit upwardly directed sprays to engage the dishes, a plurality of sets of main washing and rinsing spray devices within the cabinet longitudinally spaced from each other along the path of tray movement with the front of the said sets spaced a substantial distance from the front end of the cabinet, means for supplying heated washing and rinsing liquids under pressure to the said main spray devices to enable them to forcibly deliver sprays of liquid against the dishes carried by the said trays to effect washing and rinsing as the dishes are moved by the trays along the said path, pre-rinse spray devices within the cabinet adjacent the entrance end thereof and located respectively above and below the path of tray movement, the said pre-rinse spray devices being longitudinally spaced a substantial distance from the first of the said sets of main spray devices, piping for suppling unheated water at normal pressure to the said pre-rinse spray devices to enable them to deliver sprays of water downwardly and upwardly against the dishes to pre-rinse them and wet them, the said piping being independent of the aforesaid means for supplying liquids to the main spray devices, a normally closed valve connected with the said piping, actuating means for the valve normally projecting into the path of movement of the trays and operable when engaged by a tray to open the valve when a tray is between the pre-rinse spray devices, means located below the path of tray movement for receiving the water delivered by the pre-rinse spray devices and serving to prevent any intermingling below the said path between the said pre-rinse water and the liquids supplied to and delivered by the main washing and rinsing sprays, and a partition extending across the cabinet above the path of tray movement and between the pre-rinse spray devices and the first set of main spray devices, the said partition serving to prevent any substantial intermingling above the said path between the said pre-rinse water and the liquids delivered by the main spray devices.

2,574,059
HYDROPNEUMATIC RECUPERATOR FOR GUNS
Jacques Emilien Prache, Fontenay-sous-Bois, France, assignor to Schneider & Cie, Paris, France, a joint-stock company of France
Application April 25, 1947, Serial No. 743,998
In France April 26, 1946
10 Claims. (Cl. 89—43)



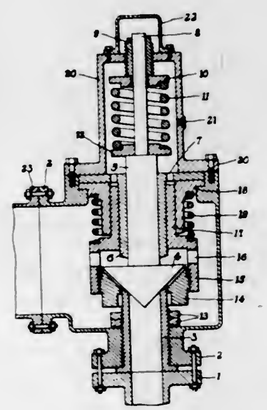
3. In a recoil system for a gun, a cylinder, a piston in said cylinder, a piston rod secured to said piston and to a recoiling portion of said gun, a liquid in said cylinder, a second cylinder in free communication with said first cylinder, a gaseous medium in said second cylinder compressible by the liquid displaced from said first cylinder by the movement of said first piston during recoil and means for decreasing the effective volume of said second cylinder as the elevation of the gun is increased without change in the initial pressure of said gaseous medium.

2,574,060
HYDROPNEUMATIC RECUPERATOR WITH ADJUSTABLE POWER
Jacques Emilien Prache, Fontenay-sous-Bois, France, assignor to Societe des Forges et Ateliers du Creusot, Paris, France, a joint-stock company
Application April 17, 1950, Serial No. 156,248
In France April 20, 1949
4 Claims. (Cl. 89—43)



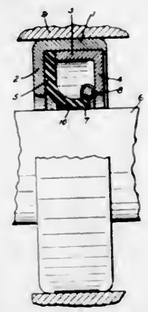
1. In a hydro-pneumatic recuperator for a gun of the variable power type wherein the accumulation of recuperating energy results from movement of the recoiling mass of the gun and the amount of energy accumulated varies with the angle of elevation of the gun prior to recoil, a cylinder movable to various angular positions relative to the horizontal in accordance with the angle of elevation of the gun, a piston in said cylinder located adjacent the forward end thereof when the gun is at rest, the portion of said cylinder to the rear of said piston being filled with a liquid, a piston rod connecting said piston to the recoiling mass of the gun, an air reservoir fixed to and movable with said cylinder to various angular positions relative to the horizontal, a piston in said air reservoir separating the latter into two compartments, one of said compartments containing air adapted to be compressed during recoil of the gun and the other compartment containing air which is protected from the recoil effect, means for varying the position of said separating piston in said reservoir according to the angle of elevation of the gun prior to recoil, means providing free communication for the flow of liquid from said cylinder into said first named compartment of said reservoir, and means independent of said separating piston effective at all angles of elevation of the gun for preventing the leakage of liquid into said second named compartment.

2,574,061
BACK PRESSURE SAFETY VALVE
Thomas J. Redd, Tulsa, Okla.
Application February 26, 1949, Serial No. 78,656
5 Claims. (Cl. 137—53)



1. In a safety and relief valve assembly having inlet and outlet openings, the combination with a valve seating member, a resiliently held valve disc forming the valve with said valve seating member, and said valve disc having an outwardly extending surface to intercept the fluid flow from the valve, and a resiliently held adjusting ring, said adjusting ring peripherially disposed to but not contacting the valve seating member, and said adjusting ring having a surface member oppositely disposed to the outwardly extending surface of said valve disc and forming a passage therewith for fluid flow from the valve, and vent means connecting said passage with the valve assembly outlet opening, and a piston section, said piston section connecting to the adjusting ring, and said piston section slidably engaged in fixed cylindrical means, and port means in the said cylindrical means communicating fluid pressure from the outside of the said valve assembly to the upper face of the said piston section, and the fluid back pressure in the valve assembly outlet opening being led to the opposite face of the said piston section.

2,574,062
SEAL CONSTRUCTION
Noel S. Reynolds, St. Louis, Mo.
Application August 5, 1946, Serial No. 688,521
8 Claims. (Cl. 286—5)



1. In a seal construction for association with two relatively rotatable members one of which is provided with a cylindrical surface, said seal comprising a frame means, an annular diaphragm of flexible and resilient material having one end secured to the frame means and its other end portion arranged to have a substantial length ride on the cylindrical surface in sleeve-like relation with its end edge providing a sealing lip, means in the form of an annular perforated member embedded in the diaphragm material beginning adjacent to but spaced from the lip end edge and extending rearwardly for providing a relatively non-expansible thrust ring means for the said end portion of the diaphragm that has a substantial length riding on the cylindrical surface, the length and position of said perforated member being such as not to interfere with the normal free flexing of the diaphragm material for a substantial distance rearwardly thereof to the end secured to the frame means nor the normal yielding of the resilient material at the lip, and spring means acting to apply radial pressure on the sleeve-like portion and being so arranged that the maximum radial pressure will be at the lip end edge.

2,574,063
TEAT CUP LINER FOR MILKING MACHINES
Francis E. Richwine, Indianapolis, Ind.
Application October 7, 1949, Serial No. 120,169
1 Claim. (Cl. 119—14.49)

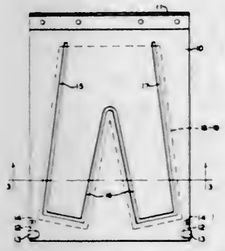
1. A teat cup liner comprising an enlarged head defining the upper end thereof including a cylindrical wall having an inturned annular flange at its upper end forming a central teat receiving opening, a frusto-conical portion, forming a part of said head and extending inwardly and downwardly from the intermediate portion of said cylindrical wall, and terminating in radial alignment with the lower end of the cylindrical wall, said head and frusto-conical portion combining to form an annular downwardly opening groove, a rigid sleeve-like teat cup shell having an upper end engaging in said groove, a sleeve-like teat receiving portion of uniform thickness having an upper end merging integrally with the lower, restricted end of said frusto-conical portion and defining a teat receiving chamber extending longitudinally through the shell and which is spaced therefrom, said teat receiving portion being uniformly tapered internally and externally from its upper to its lower end, a discharge tube having an upper end formed

integrally with the lower end of said sleeve-like teat receiving portion and having a restricted bore extending longitudinally therethrough and opening at its inner end into the restricted end of the teat receiving chamber, and said discharge tube being externally enlarged at its upper end to provide an uninterrupted continuation of the exterior surface of the teat receiving portion and



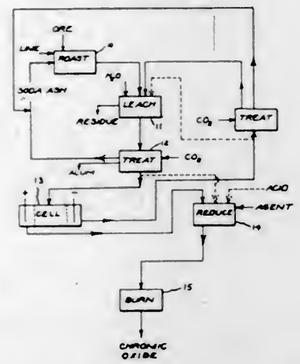
being provided with longitudinally spaced external enlargements adapted to selectively abut the restricted opposite end of the teat cup shell for combining with said annular groove for anchoring and sealing the liner to the shell for maintaining the teat receiving portion thereof under tension and for providing a sealed space between the shell and teat receiving portion.

2,574,064
EDUCATIONAL APPLIANCE
Harry A. Rosen, New York, N. Y.
Application August 30, 1948, Serial No. 46,889
3 Claims. (Cl. 35—15)



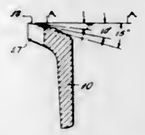
1. An educational appliance for teaching sewing and making of dolls and the like comprising in combination; a pair of members swingingly attached together at one edge each having a contoured depression on its inner face shaped to cooperate with the depression in the other member to form a desired shape of doll; a locking means at another edge of the members to forcefully hold them in superposed position when closed with material for forming the doll therebetween said clip being a spring clip formed to fit into tapered grooves in the outer faces of said members to press the members toward each other and compress said material into said contoured depressions, and slots through said members fomed in a contour outlining at least in part the shape of said doll said slots being aligned and in register when said members are in said closed superposed position.

2,574,065
PROCESS FOR PRODUCTION OF CHROMIC OXIDE
Joseph Schulein, Corvallis, Oreg.
Application September 11, 1946, Serial No. 696,181
3 Claims. (Cl. 23—145)



1. A method of producing chromic oxide which includes electrolyzing an aqueous solution of a chromate salt of an alkali metal so as to produce an anolyte solution consisting substantially of chromic acid, partially reducing said anolyte solution to form chromium dichromate thereby raising the pH of said solution to a value above about pH 4.5 to precipitate said chromium dichromate, separating said precipitate from said solution and thermally decomposing said chromium dichromate to produce chromic oxide.

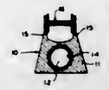
2,574,066
SHEARS FOR PRODUCING ZIGZAG CUTS
Francis W. See, Bronx, N. Y., assignor to Samuel Briskman, New York, N. Y.
Application October 20, 1950, Serial No. 191,203
3 Claims. (Cl. 30—230)



1. A shear for making a zigzag cut having a pair of pivoted blades provided with facing ridges on opposite edges thereof having transversely extending cooperating teeth, said edges of the blades being longitudinally curved from a point forward of the pivot and intersecting at the ends of the blades at a point in line with the pivot and being provided with a shearing surface extending along the teeth, said surface sloping back from the cutting edge and forming a leading angle of 10° with the plane of cutting.

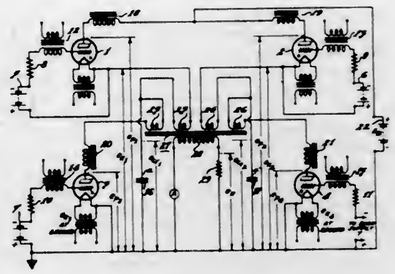
2,574,067
FLEXIBLE TRACK ELEMENT AND STRUCTURE
Richard L. Seidman, South Norwalk, Conn.
Application March 29, 1947, Serial No. 738,073
10 Claims. (Cl. 238—10)

1. A track element comprising an elongated one piece body of flexible material having a bottom portion, a top portion and two side portions, said body being substantially universally bendable, each side portion being longitudinally continuous and laterally uninterrupted for the length of said element and respectively joining corresponding edges of said top and bottom portions, said top portion having means formed thereon which extend lengthwise of the element from end to end of said top portion and provide a trackway for guiding an object adapted to be movably supported upon said body, said bottom portion being formed to provide a supporting base for said element, and means for substantially uni-



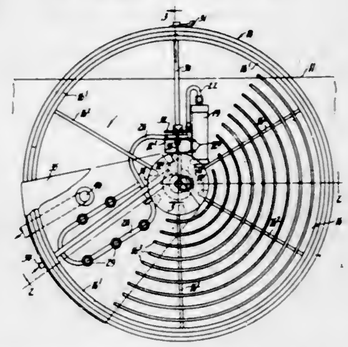
formly transmitting to said body forces which are applied to bend said track element and for maintaining said body in a bent shape comprising a pliant and substantially universally bendable core member encased within said body and extending generally centrally of the body and at least approximately from end to end thereof, said core member having sufficient stiffness to resist forces which are set up in said body when said body and core member are bent and which tend to straighten said core member from a bent condition.

2,574,068
MULTIPLE TUBE GAS TRIODE INVERTER
Charles C. Shumard, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1948, Serial No. 11,811
1 Claim. (Cl. 321—36)



In an apparatus for inverting direct current to alternating current, a source of direct current, means for connecting said source to a plurality of gas discharge tubes, said plurality being an even number more than two, external anode to cathode discharge circuit paths for each of said tubes, a capacitor common to the discharge circuits of each two of said tubes, means for coupling said discharge circuits to a common load circuit, said coupling means comprising a transformer having a plurality of primary windings each of which is connected in at least one of said discharge circuits, and including a single secondary winding connected in said load circuit, means for triggering said tubes such that said capacitors are charged and discharged in a predetermined consecutive order from said direct current source, means for halting current flow through a tube before the next tube to be fired is triggered, and means for maintaining each tube in a state in which it cannot conduct current while the other tube having its anode to cathode circuit connected to the same capacitor is conducting.

2,574,069
APPARATUS FOR CLEANSING DRINKING VESSELS AND THE LIKE
Gerald Arthur Stanley, Oakleigh, Victoria, Australia; Evelyn Maud Stanley executrix of said Gerald Arthur Stanley, deceased
Application December 27, 1948, Serial No. 67,307
In Australia January 12, 1948
15 Claims. (Cl. 134—141)



1. Apparatus for cleansing drinking glasses and the like comprising a table of openwork construction adapted to support a plurality of inverted drinking glasses, means supporting the table for rotation about a substantially vertical axis, liquid spray means arranged between loading and unloading stations of the table, a single acting reciprocable hydraulic motor, means operable during each fluid receiving stroke of the motor to store energy for the return stroke thereof, means operable during each alternate stroke of the motor to impart a corresponding limited angular movement to the table and control means operable manually to cause said motor to undergo one cycle of two successive strokes.

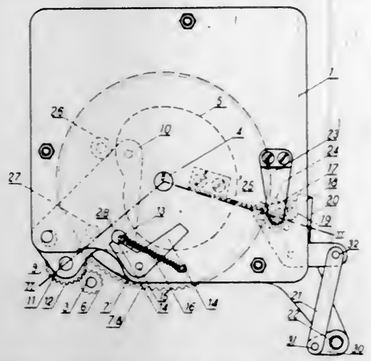
2,574,070
PURIFICATION OF SUBSTANCES BY MICROBIAL ACTION
Raymond J. Strawinski, Long Beach, Calif., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 1, 1948, Serial No. 36,441
4 Claims. (Cl. 195—3)

1. A method for converting or metabolizing relatively complex sulfur compounds in petroleum hydrocarbons to readily removable products by microbial action comprising the steps of subjecting hydrocarbons under metabolizing conditions to the action of bacteria selected from the class consisting of species of Pseudomonas, Alcaligenes and Bacillus, and subjecting the products of the metabolism to the action of sulfate-reducing bacteria selected from the class consisting of species of *Vibrio desulfuricans, Vibrio estaurii, Vibrio thermodesulfuricans* and Desulfovibrio.

2,574,071
RECORD-CHANGING DEVICE FOR TALKING MACHINES
Louis Thévenaz, Les Rasses, near Sainte Croix, Switzerland, assignor to Hermann Thorens Société Anonyme, Sainte Croix, Switzerland, a firm of Switzerland
Application May 17, 1945, Serial No. 594,340
In Switzerland July 11, 1944
5 Claims. (Cl. 274—10)

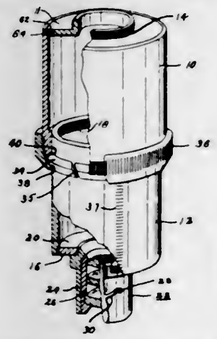
1. In a talking machine with record changing

device of the kind having a mechanism for driving from a continuously rotating element a main shaft adapted to rotate through a predetermined angle for each record changing operation and having two coupling members, the first being part of the continuously rotating element, the second being brought into engagement with the first one at the end of each audition of a record face and remaining engaged therewith until, at the end of the process of record changing and for a predetermined angular position of the main shaft, disengaging means are brought into action, in combination, a first speed reducing gear between said second coupling member and



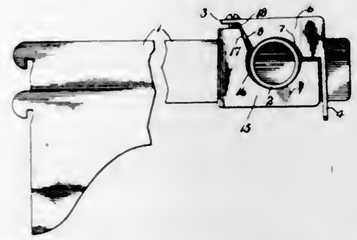
said main shaft to drive the latter at a first determined speed, a second speed reducing gear between the same elements to drive said main shaft, during a part at least of its angular displacement, at a mean speed substantially smaller than said first speed, means controlled by said main shaft to successively put into action said first and second speed reducing gears during the record changing process and for predetermined angular positions of said main shaft, manually operable means being provided for rendering said second mentioned gear inoperative and to drive said main shaft at the first determined speed during the whole process of record changing.

2,574,072
CAMERA-PROJECTOR LENS SUPPORTING ATTACHMENT
Mervin J. Updegraff, Dayton, Ohio
Application November 21, 1947, Serial No. 787,397
12 Claims. (Cl. 88—57)



1. In combination, a camera having a threaded aperture adapted to receive a lens assembly, a lens extension assembly supported within said aperture, said lens extension assembly comprising a first tube having a threaded portion mounted within said threaded aperture, a second tube telescoped within said first tube and slidable lengthwise therein, adjustable friction means for holding the tubes in the desired telescopic adjustment, said second tube having lens supporting and focusing means carried thereby, a lens carried by said last named means, said lens supporting means comprising means for supporting said lens at either end of said second tube.

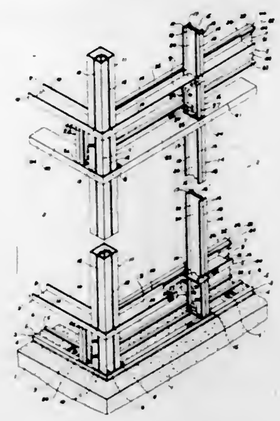
2,574,073
BRACKET ROD MOUNTING
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application February 14, 1949, Serial No. 76,322
6 Claims. (Cl. 248—251)



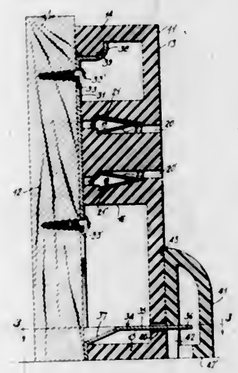
1. In a construction as described, a bracket arm, a rod mounting comprising, upper and lower members each slidably mounted on said bracket, said members having spaced sides at opposite sides of the bracket arm located in the same planes and having cooperative recesses in sides thereof providing two openings one at each side of the bracket arm, each adapted to receive the end of a rod, part of said rod receiving recesses being in one member and part in the other, and manually operable means for drawing said members toward each other, to clamp at such recesses, against the rods and for securing said members against movement on said bracket arm.

2,574,074
BUILDING CONSTRUCTION
Charles J. Vogel, Detroit, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application November 28, 1945, Serial No. 631,342
7 Claims. (Cl. 189—1)

5. In a building frame structure, a lower stud having a substantially vertically extending nailing slot with an opening thereinto facing one direction, a horizontal frame member supported by the stud, a second horizontal frame member substantially immediately above the first named frame member, an upper stud supported by the second named frame member in substantially vertical alignment with the lower stud, said upper stud having a substantially vertically extending nailing slot with an opening thereinto facing in said one direction, a horizontal laterally extending floor joist having a web and upper and lower laterally extending flanges presenting upper and lower seating surfaces in coplanar arrangement, respectively, with the opposed upper and lower surfaces of the frame members, and a joist extension member having a web and upper and lower laterally extending flanges presenting upper and lower seating surfaces in coplanar relationship with the seating surfaces of the joist, said joist extension member being disposed between the frame members with the upper and lower seating surfaces engaging the opposed surfaces of the frame members and being disposed in vertical alignment with the upper and lower studs and presenting a sinuous nailing slot with an opening thereinto facing in said one direction, and said joist extension member including a web portion extending along the joist web in overlapping relation therewith and extending between the upper and lower joinst flanges, and means fastening the web portion of the joist extension member to the joist web.

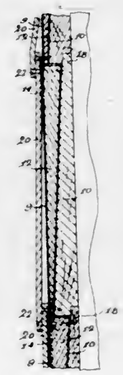


2,574,075
BASEBOARD FOR ELECTRICAL OUTLETS
Allan B. Weisler, New Orleans, La.
Application September 28, 1949, Serial No. 118,431
9 Claims. (Cl. 173—334.1)



1. An electrical conduit molding comprising, an elongated molding panel of insulating material having a rearwardly disposed conduit housing coextensive therewith, a pair of vertically spaced conduit channels internally disposed within said conduit housing and extending substantially the length thereof, each of said channels being provided with a constricted elongated slot opening through the rear of said conduit housing, a continuous coating strip of electrically conductive material disposed in each of said conduit channels coextensive with said channels to be coupled across an electrical supply line, intermittently spaced vertical pairs of orifices extending from said channels through the front of said panel adapted to receive prongs of electrical appliance plugs, and resilient conductive contact elements selectively positionable in said conduit channels by insertion through said constricted slots to be engaged by the ends of said prongs when inserted fully within said orifices and electrically intercouple said prongs with said coating strips.

2,574,076
INSULATED ROOF AND WALL COVERING
William W. Westphal, Port Jefferson, N. Y.
Application November 25, 1949, Serial No. 129,292
4 Claims. (Cl. 20—4)



3. The combination with a siding wall and siding strips of composition material applied to the outer side thereof, of an insulating covering secured to the siding wall and disposed between the wall and the siding strips, comprising a plurality of corresponding covering units, forming the insulated covering, each consisting of a strip of felt paper and a filler of insulating material, said strip of felt paper being folded to provide inner and outer plies between which said filler is disposed, said filler including an adhesive binder for anchoring the filler to the felt paper plies and for positioning it therebetween, said paper strip including an outer ply having end portions extending beyond the ends of the filler and forming end flaps and a bottom portion extending below a bottom edge of said filler and forming a bottom flap, said covering units being arranged in courses to form the insulated covering and said end flaps of each covering unit overlapping portions of adjacent covering units disposed in the same course, the adjacent ends of the fillers of adjacent covering units of each course being disposed substantially in abutting engagement, and said bottom flaps of the covering units of each course overlying the upper portions of covering units of a course located directly therebeneath.

2,574,077
4,6-DITERTIARY-BUTYL-2-METHYL-CYCLOHEXANOL

Arthur C. Whitaker, Oakmont, and William W. Weinrich, Wallingford, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Original application May 28, 1945, Serial No. 596,416, now Patent No. 2,505,816, dated May 2, 1950. Divided and this application February 24, 1949, Serial No. 78,224
1 Claim. (Cl. 260—631)

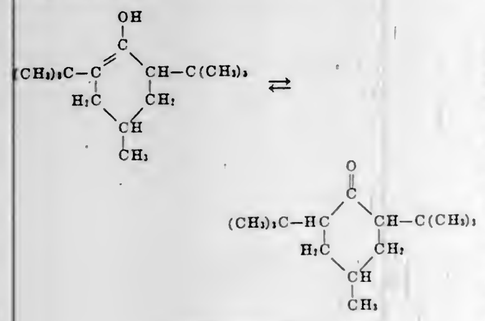
As a new product, the compound 4,6-di-tertiary-butyl-2-methylcyclohexanol.

2,574,078
HYDROGENATED POLYALKYLATED PHENOLS

Arthur C. Whitaker, Oakmont, and William W. Weinrich, Wallingford, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Original application May 28, 1945, Serial No. 596,417, now Patent No. 2,505,817, dated May 2, 1950. Divided and this application February 24, 1949, Serial No. 78,225
3 Claims. (Cl. 260—586)

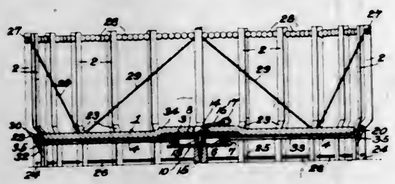
1. An equilibrium mixture of enol and keto forms of compounds having the following structural formulas:



2,574,079
PLAY PEN

Norman W. White, Lynnfield Center, Mass.

Application June 9, 1948, Serial No. 31,899
3 Claims. (Cl. 5—99)

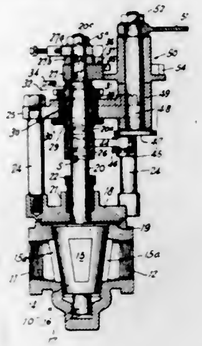


2. In a folding play pen a central ring, a plurality of rods, said rods being pivotally mounted at one end of said plurality in spaced relation on the ring to permit the rods to extend radially in the plane of the ring when the pen is in an open position and to be moved perpendicularly to the plane of the ring when the ring is raised, a plurality of vertically extending posts, one end of each post being rotatably secured to the remaining end of a rod, means urging the posts to rotate in a direction opposite to the rotation of the rods to fold the pen when the ring is raised and means supported by the posts to form an enclosure for the pen.

2,574,080
VALVE

Wylie G. Wilson, Elizabeth, N. J., assignor to Everlasting Valve Company, Jersey City, N. J., a corporation of New Jersey

Application October 1, 1945, Serial No. 619,640
3 Claims. (Cl. 251—97)



1. In a valve organization including a body having a bore forming a seat, inlet and outlet passages intersecting said seat, a rotary sealing member cooperating with said seat and arranged on rotation to control flow from said inlet to said outlet passage and to be shifted axially in said bore, a valve stem extending from said sealing member, and actuating means for said stem; said actuating means comprising: threaded sleeve means surrounding the stem and operable to unseat and reseat said sealing member; stem-rotating means associated with said stem and operable to rotate the stem; mechanism for rotating said sleeve means and moving said stem-rotating means in sequential relation to unseat said sealing member in a first predetermined rotative position, then in unseated condition rotate the sealing member to a second predetermined rotative position, and then reseat the sealing member in said second rotative position, including a single operating member for operating said mechanism as aforesaid; the stem-rotating means being adjustable to effect reseating of said sealing member in rotated positions between said first and second rotated position.

2,574,081
PIPE JOINT

Walter A. Abegg, Los Angeles, Calif.

Application April 18, 1949, Serial No. 88,166
11 Claims. (Cl. 285—146)

1. A tool joint for reconditioning drill pipe sections of the swaged type in which the ends of the drill pipe have been removed and external threads have been cut thereon, said tool joint structure comprising substitute swaged end sections each of which is formed at one end with a counterbore, a portion of the wall thereof being threaded and another portion being relatively smooth, the opposite end of each of said end sections being swaged to a reduced diameter and formed with an external thread thereon and a tapered swaged shoulder, and a tubular coupling having a central bore which is threaded for a length intermediate its ends to simultaneously engage the threads on the swaged end portions, the opposite end walls of said bore being tapered to conform to the swaged tapered

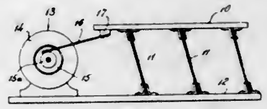


portions of the substitute pipe ends, whereby when the end faces of the substitute pipe ends abut, the tapered faces of the swaged end portions will abut against the tapered faces at the ends of the bore of the coupling collar.

2,574,082
ROTO-VIBRATOR

Joakim Ulrik Frederik Andersen, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application March 30, 1950, Serial No. 152,871
In Denmark April 2, 1949
11 Claims. (Cl. 172—126)



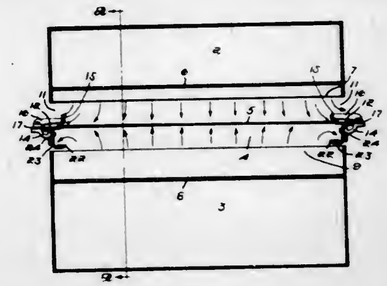
1. Driving means for imparting reciprocatory movement to a driven element, which comprises an electric vibration generator having an oscillating armature, a laminated leaf spring extending laterally from the armature and having one end rigidly secured to the armature with a wide side of said end lying substantially tangent to a circle concentric with the axis of the armature, the plane, in which the spring is flexible, lying at right angles to said axis, means for securing the other end of the spring rigidly to the element, and resilient means opposing the movement of the armature in either direction from a neutral position.

2,574,083
DRYING APPARATUS

Bernard R. Andrews, Braintree, Mass.

Application December 14, 1950, Serial No. 200,753
4 Claims. (Cl. 34—158)

1. In a pin tenter drying apparatus of the type having a drying chamber, a pair of pin tenter chains for conveying the web to be dried through said drying chamber, and means to direct against the web jets of air which flow off from the web at each edge thereof, the combination with said tenter chains, each having a row of pins on which a marginal edge of the web to be dried is impaled, of a baffle strip extending longitudinally of the web at each edge thereof, and means supporting each baffle strip above the web immediately inside the corresponding tenter chain, whereby air flowing off from the edges of the web impinges against and is deflected downwardly by said baffle strips,

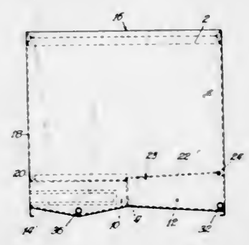


thereby producing an increased pressure against the top surface of the web along a zone extending longitudinally thereof immediately inside of each baffle strip, which increased pressure tends to displace downwardly the web in each zone and thus more securely hold the edges of the web on the tenter pins.

2,574,084
DEGREASING APPARATUS

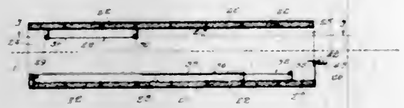
John M. Bash, Chicago, Ill., assignor to Phillips Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application June 15, 1946, Serial No. 677,074
2 Claims. (Cl. 202—170)



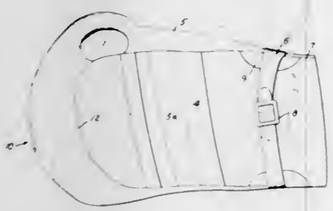
1. A degreasing apparatus comprising a tank having a bottom and side walls, an upright partition between the side walls and positioned in the lower portion of said tank and dividing said lower portion into two separate sumps called respectively a vaporizing sump and a distillate sump, a heating element in the vaporizing sump, a gutter opening into the distillate sump and fastened to the side walls at the top of the partition and extending around the inside walls over the vaporizing sump to a point over the partition at its opposite end, and a readily removable, imperforate drain plate substantially covering the distillate sump but spaced from all adjacent side walls by a distance just sufficient to permit solvent condensing on the side walls to descend into the distillate sump, said drain plate sloping toward and terminating above the vaporizing sump whereby dirty solvent dripping from the work will be carried to the vaporizing sump.

2,574,085
EXTRACTION DRIER
John T. Bian, Chicago, Ill., assignor to the partnership composed of John T. Bian, Anthony Zwissig, William J. Spellman, Burton H. Williams, Ernest Booth, and Thomas V. McDavitt
Application November 1, 1947, Serial No. 783,509
4 Claims. (Cl. 219—19)



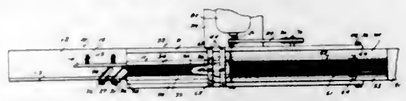
1. A drying means for drying a moving printed web from a printing press comprising an open ended chamber through which the web passes, a first heated element within the chamber above the web and a second heated element within the chamber and below the web, said heated elements comprising foraminous members extending transversely across the path of the moving web, electrical heating members contacting said elements along their margins for heating the same and an upstanding end wall at the exit end of said chamber adapted to form a pocket of air having a higher temperature than the balance of air in the chamber adjacent said exit end, said web being unsupported during its passage through the chamber whereby both faces of the web are entirely exposed to radiant heat from said elements.

2,574,086
TUSSLE MITTEN
Frank A. Broderick, Houston, Tex.
Application January 23, 1951, Serial No. 207,396
2 Claims. (Cl. 2—18)



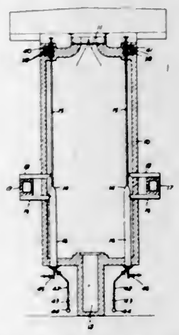
1. A tussle mitten of the character described comprising a glove leather back having its edges at the forward end and sides folded over, a front piece stitched to the folded over forward and side edges of said back piece, said back piece also being secured along the rear edge to said front piece and providing a wrist cuff, a wrist strap secured over the back of said wrist cuff and having extending ends arranged to be adjustably secured together over the heel of one's hand, heel protecting flaps secured to said stitching beneath said wrist strap, a palm securing loop stitched in said same stitching, a cloth-lined finger pocket extending into the forward end of said mitten, a thumb socket extending at an obtuse angle to said finger pocket through the tip end of said mitten, said mitten having padding arranged therein between said front piece and said glove leather backing.

2,574,087
CARTON HANDLING DEVICE
Eugene C. Burhans, Lockport, N. Y.
Application October 29, 1947, Serial No. 782,807
5 Claims. (Cl. 30—2)



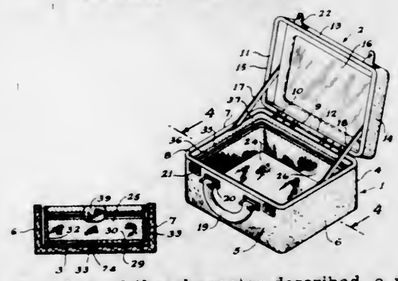
1. A carton handling device comprising a chute for periodically receiving manually fed cartons so positioned as to have their longitudinal flaps disposed upwardly, said chute having spaced vertical walls for guiding and supporting a carton while being severed by movement thereof through the chute, and a single stationary knife supported solely by one of said walls and extending obliquely across the chute for registration with the joint between the longitudinal flaps to break the seal therebetween, said knife having a single cutting edge facing the advancing end wall of the carton and so positioned as to have its free end extending away from such advancing end for obliquely cutting through such end wall from the advancing vertical edge at one longitudinal side of the carton toward the vertical edge of the opposite longitudinal side thereof, said knife serving to break the adhesive at the joint between the longitudinal flaps of the carton and to cut through the rear end wall of the carton from the inside outwardly.

2,574,088
FURNACE FOR CONVERTING HYDROCARBONS
Henry Ernest Charlton, Ashton-on-Mersey, England, assignor to Petrocarbon Limited, London, England
Application April 5, 1949, Serial No. 85,615
In Great Britain April 12, 1948
3 Claims. (Cl. 23—277)



1. An apparatus for converting non-aromatic hydrocarbons into olefin-containing gases and aromatic hydrocarbons which comprises a single chamber furnace, a plurality of straight tubular reactors extending from one end to a second end of said furnace, each of said reactors comprising a straight integral tube including a first portion of relatively small diameter extending from said first end of said furnace to a point of juncture with a second portion of relatively large diameter extending from said point of juncture to said second end of said furnace, said first portion constituting a cracking zone and said second portion an aromatization zone, means to feed said hydrocarbons to said first portion of said tubes adjacent the first end of said furnace, means to remove products from said second portion of said tubes adjacent the second end of said furnace, means to supply hot gases positioned within said furnace adjacent the first end thereof, exhaust means for said gases communicating with the interior of said furnace adjacent said second end thereof, and means for introducing cooling gases communicating with the interior of said furnace intermediate the ends thereof and adjacent said point of juncture of said tube portions so that said hydrocarbons are heated to a relatively high temperature and supplied with sufficient heat to maintain an endothermic cracking reaction in said cracking zone and are only supplied with sufficient heat to maintain stable temperature conditions in said aromatization zone.

2,574,089
LUGGAGE CASE HAVING A REMOVABLE LINING
Jacqueline Cochran, Indio, Calif.
Application June 8, 1948, Serial No. 31,793
3 Claims. (Cl. 190—41)



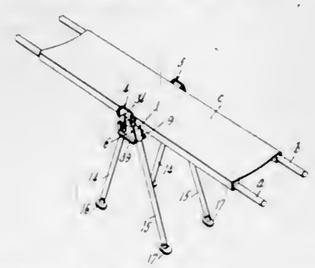
1. In a bag of the character described, a rigid main portion having a bottom with an upstanding side wall therearound, a rigid lid for closing the opening in said main portion and a removable lining for said main portion, said lining, adjacent its upper free edge and said side wall of said main portion inside the upper edge thereof being formed with complementary hookless fastener elements, said hookless fastener elements extending entirely around the upper free edge of said lining, a slider for engaging said hookless fastener elements and a tab of flexible material overlying a terminal position of said slider to prevent the contents of said bag from coming into engagement with said slider.

2,574,090
ROADWAY WITH SOUND TRACKS AND METHOD OF FORMING THE TRACKS
Floyd J. Dofsen, San Francisco, Calif., assignor to Electric Manufacturing Company, Inc., San Francisco, Calif., a corporation of California
Application November 19, 1948, Serial No. 61,026
2 Claims. (Cl. 94—1.5)



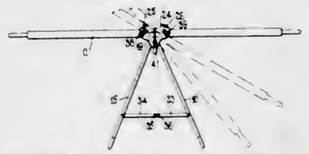
1. A roadway having a signal device comprising a trackway having an irregular undulating upper surface conforming to the shape of a predetermined sound wave, said trackway being longitudinally disposed with respect to said roadway with the undulations lying above said roadway surface whereby a vehicle traveling along said roadway will cooperate therewith to produce an audible signal.

2,574,091
RESUSCITATION APPARATUS
Charles F. Eaton, Salem, N. H., assignor to Eaton Appliance Corporation, Salem, N. H., a corporation of New Hampshire
Application January 8, 1948, Serial No. 1,226
29 Claims. (Cl. 128—28)



1. Resuscitation apparatus, comprising the combination with a stretcher, of a support, a holder or connector pivoted to said support, and means for connecting said holder to the stretcher at any one of a number of points along the length of the stretcher such as to enable the center of gravity of the stretcher with a body resting thereon to be brought close to the pivotal axis of the holder.

2,574,092
APPARATUS FOR INDUCING RESPIRATION BY TILTING
Charles F. Eaton, Salem, N. H., assignor to Eaton Appliance Corporation, Salem, N. H., a corporation of New Hampshire
Application June 23, 1949, Serial No. 100,783
7 Claims. (Cl. 128—28)

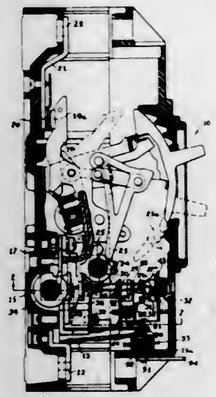


1. An apparatus for inducing respiration comprising a supporting structure and two stretcher connectors pivotally mounted on said structure coaxially and spaced apart from one another, each of said connectors having a channel extending transversely of the pivot axis adapted to receive separably a longitudinal element of a stretcher and having a pointed spur rising from the bottom of its channel arranged to indent such longitudinal element to prevent lengthwise slip thereof relative to the connector.

2,574,093
ADJUSTABLE TRIP
William Harold Edmunds, Havertown, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 8, 1949, Serial No. 86,135
4 Claims. (Cl. 200—88)

1. In a circuit breaker for protecting a circuit, said circuit breaker having a pair of cooperable

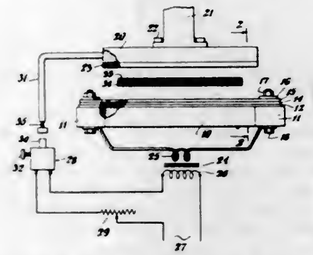
contacts, having a contact engaging position and a contact disengaging position; biasing means for biasing said contacts to their disengaging position; a latching mechanism for maintaining said contacts in their engaging position against the action of said biasing means; a trip mechanism for operating said latching mechanism to release said contacts for operation by said biasing means to their disengaged position; an electromagnet having a pole face and an armature spaced from said pole face and operable in response to fault current conditions in the circuit protected by said circuit breaker for operating said trip mechanism; an armature support rod connected to said armature; a sleeve on said rod operable for engaging and operating said trip mechanism, a lever arm for engaging said sleeve, means for biasing said lever arm against said sleeve; a latch device for engaging and maintaining said lever arm out of operating rela-



tion with said sleeve; a thermal unit comprising a bimetal operable in response to fault current conditions in said circuit for operating said latch device out of engagement with said lever arm to permit said last-mentioned biasing means to operate said lever arm against said sleeve; an insulation housing for said circuit breaker having a front wall, an operating handle for operating said movable contacts into engagement, said handle protruding through the front of said housing, an adjusting screw engaging said support rod for adjusting the spacing of said armature with respect to said pole face, an opening in the front wall of said insulation housing adjacent said adjusting screw for providing accessibility to said adjusting screw from outside and in front of said housing, a spring positioned in the path of movement of said bimetal, and a second adjusting screw accessible outside of and from the front of said housing for adjusting said spring to vary its action on said bimetal.

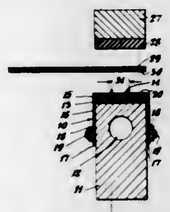
2,574,094
HEAT-SEALING MACHINE OF THE THERMAL IMPULSE TYPE
Alfred Fener and Howard Fener, Brooklyn, N. Y., assignors to Nicholas Langer, New York, N. Y.
Application September 10, 1949, Serial No. 115,054
7 Claims. (Cl. 154—42)

1. A sealing bar for heatsealing machines of the thermal impulse type comprising, in combination, a base, an elongated metal heater strip mounted on the face of said base through which sealing pulses of current may be passed, and an elongated metal sealing strip directly superimposed upon said heater strip and constituting the operative face of the bar, the width of said seal-



ing strip being greater than that of said heater strip and the specific electrical conductivity of said sealing strip being lower than that of said heater strip.

2,574,095
SEALING DEVICE FOR HEAT-SEALING MACHINES OF THE THERMAL IMPULSE TYPE
Nicholas Langer, New York, N. Y.
Application July 15, 1950, Serial No. 174,074
9 Claims. (Cl. 219—19)

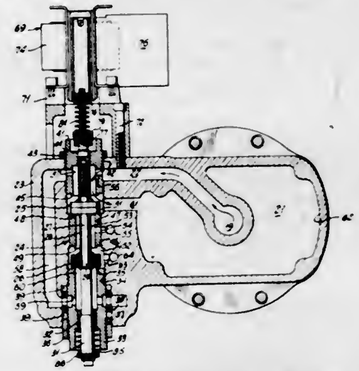


1. A sealing member for neatsealing machines comprising, in combination, a metal base, a first metal layer through which sealing pulses of current may be passed insulatedly mounted on said base, a layer of insulation on said first metal layer, and a second metal layer of a width greater than that of said first metal layer superimposed on said layer of insulation, said second metal layer having its center portion in intimate heat exchange relation with said first metal layer but being electrically disconnected therefrom and having its marginal portions secured to said base.

2,574,096
DISTRIBUTING VALVE
Howard R. Fischer and James A. Roberts, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Original application December 13, 1943, Serial No. 514,068. Divided and this application July 26, 1946, Serial No. 686,406
2 Claims. (Cl. 121—46.5)

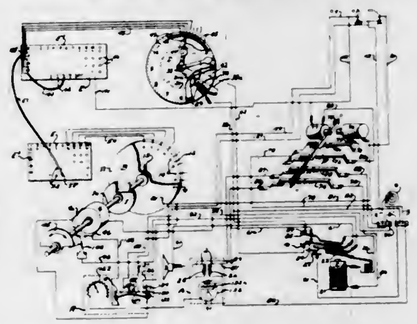
1. A distributing valve comprising a valve housing having an inlet and exhaust for pressure fluid and having front and rear passages for communicating with corresponding ends of a piston chamber, two pairs of coaxial annular valve seats supported in said housing, a reciprocable valve stem axially aligned and having two pairs of annular valve heads, one pair of heads being engageable with one pair of seats when the valve stem is in

a first position to connect the front passage to the inlet and the rear passage to the exhaust, the other pair of heads being engageable with the other pair of seats when the valve stem is in a second position to connect the rear passage to inlet and the front passage to exhaust, yieldable means to maintain the valve stem in first position, actuating means having a movable element, a lever pivotally connected to the movable



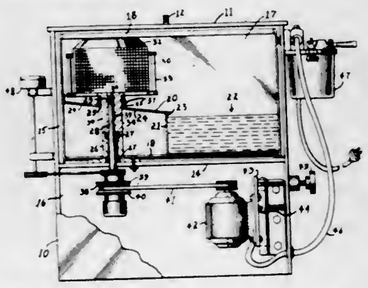
element at one end and having a fulcrum at the other end, said lever being slotted to receive the valve stem, adjusting means to vary the relative position of the lever with respect the valve stem, and resilient means interposed between the lever and the adjusting means to dampen transmission of shocks to the valve stem, all being so arranged to effect movement of said valve stem to second position when the actuating means is activated.

2,574,097
REMOTE CONTROL FOR RADIO RECEIVERS
Robert B. Foster, Los Angeles, Calif., assignor to John B. Smiley, Washington, D. C.
Application August 21, 1946, Serial No. 691,895
4 Claims. (Cl. 250—20)



1. In a remote control apparatus for controlling the operation of a radio receiver having a rotary tuning element, a reversible electric motor drivingly connected to the tuning element for rotating the same, a first electric circuit including a first brush of said motor, said first circuit when energized effecting rotation of said motor and said tuning element in a first direction, a first switch in the first circuit for controlling the energization and deenergization thereof, a second electric circuit including a reversing brush of said motor, the second circuit when energized effecting rotation of the motor and the tuning element in a direction reverse to said first direction, a second switch in the second circuit for controlling the energization and deenergization thereof, said first and second switches being so arranged and interconnected that closing of either switch effects opening of the other switch, and a third switch disposed adjacent said tuning element and having a movable pole adapted when moved in a first direction to be connected in the first circuit to form part thereof and adapted when moved in a second direction to be connected in the second circuit to form part thereof, said pole being engageable and movable by said tuning element upon rotation thereof through a predetermined part of a full rotation in either direction to effect movement of said pole in one of said directions so as to open the particular circuit in which the pole is at the time connected, when said particular circuit is closed by one of said first or second switches, and to condition the other circuit for subsequent energization by the closing of the other switch of said last mentioned switches.

2,574,098
CENTRIFUGAL CLEANING AND DRYING MACHINE
Pasco Fraraccio, Providence, R. I.
Application January 11, 1946, Serial No. 640,625
2 Claims. (Cl. 134—85)



1. Centrifugal cleaning and drying apparatus comprising a casing, a substantially horizontal partition dividing said casing into upper and lower chambers, a tank for cleaning fluid in said upper chamber, a centrifugal drying frame in said upper chamber laterally displaced from and vertically disposed above said tank for rotation on a vertical axis, means supported in said lower chamber for rotating said frame, a work holding open top basket separably carried by said frame and removable therefrom for introduction into said tank, a shaft penetrating said partition and interconnecting said rotating means and drying frame to rotate said basket, and drain means extending from below said frame to said tank for conducting fluid discharged from said frame to said tank.

2,574,099
CUTLERY RECEPTACLE TRAY
Harry C. Gessler, Brooklyn, N. Y., assignor to Medco Silver Co. Inc., a corporation of New York
Application November 22, 1949, Serial No. 128,747
6 Claims. (Cl. 206—75)

1. A table-ware tray comprising a one-piece molded plastic structure of substantially uniform wall thickness throughout, a rectangular top wall

for said structure lying wholly in one plane, a peripheral side wall extending down from said top wall terminating in a free edge forming base supporting means, said top wall having a midportion flanked by a pair of stalls each for supporting opposite ends of a plurality of knives in spaced apart edgewise upright position, elongated sunken compartments depressed down from said top wall midportion between said stalls, said compartments being shaped and sized to receive nested stacks of table-ware and disposed so that handle portion ends of the table-ware extend in a direction toward a front side of the tray and instrument portion ends in a direction toward a rear side thereof, bottom walls of said compartments being curved to conform to the contour of the table-ware, said top wall being de-



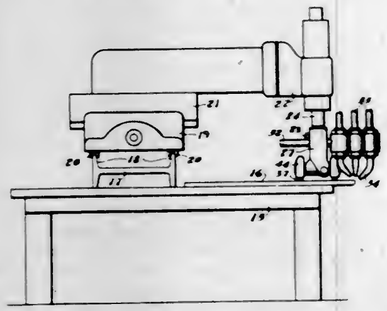
pressed to provide a transverse passage interconnecting said compartments and said stalls, said stalls having front and rear vertical walls, said top wall adjacent the rear vertical wall of each stall being formed with open-ended slits extending down from said top wall plane, said rear vertical wall each having depth extension slits extending in angular relation to and communicating with said open-ended slits, aligned spaced apart edges terminating said extension slits, said front vertical walls of said stalls being formed with ledges spaced below said top wall plane, said ledges having cradles for positioning knife handles in a fanned out spaced relation, and said open-ended slits and depth extension slits being sized and shaped to each receive a knife blade for support on each of said aligned edges.

2,574,100

MOUNTING FOR CUTTING TORCHES

Harold R. Gettys, North Bend, and Russell P. Kissick, Cincinnati, Ohio, assignors to Stacey Brothers Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio

Application January 21, 1948, Serial No. 3,466
6 Claims. (Cl. 266—23)



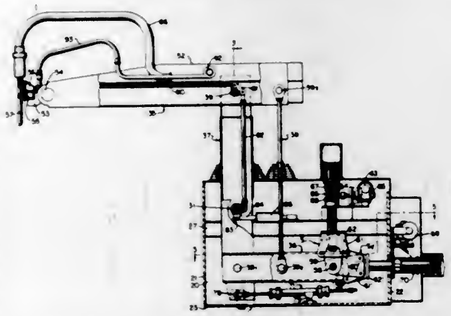
1. In a device for trimming the edge of a metal plate the combination of: a carriage adapted to support a plurality of cutting torch nozzles in angular relationship to the edge of the plate and to each other, said carriage having spaced co-axial wheels, a yoke having arms straddling said carriage, said carriage being mounted between the arms of said yoke for free swivelling movement about a horizontal axis transverse to the axis of said carriage wheels, and means for mounting said yoke for vertical floating movement relative to the plate, whereby variations in the plate surface adjacent to the edge and engaged by the wheels will be accommodated for as the carriage floats and swivels in accordance with the tracking contact of the wheels, the position of the nozzles remaining substantially the same relative to the edge of the plate as such variations occur.

2,574,101

MACHINE FOR THERMOCHEMICALLY SEVERING METAL WORKPIECES

William J. Greene, Plainfield, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application October 30, 1948, Serial No. 57,514
15 Claims. (Cl. 266—23)



1. A machine for thermochemically severing metal workpieces comprising a frame, a pair of upper and lower arms pivotally connected to a pair of upright arms to form a pantograph structure operating in a substantially vertical plane, the upper arm being a torch-carrying arm and the lower one being a control arm and one of the upright arms being a main supporting arm for the pantograph structure, a pivotal connection between said main supporting arm and the frame affording a fixed horizontal axis about which such arm may pivot, a gas cutting torch mounted on the torch-carrying arm, means operatively connected to a predetermined region of the control arm for applying a vertical component of movement to such region, and means operatively connected to said region of the control arm and operable independently of said first-named means for applying a horizontal component of movement to such region, whereby the torch may be made to move in any direction in a vertical plane.

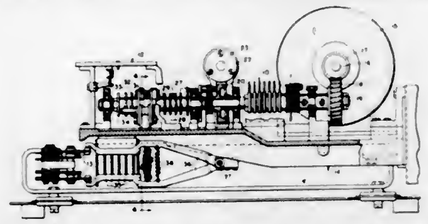
2,574,102

SPREADER DEVICE FOR SELECTOR DEVICES

Erwin A. Gubisch, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application September 13, 1949, Serial No. 115,410
3 Claims. (Cl. 178—17)

1. In combination in a selector mechanism, a set of permutative selector bars, signal controlled means for variously positioning said bars to effect the individual selection of said bars, a plurality of selectable elements mounted on a common pivot, said elements disposed in two rows, one adjacent to each edge of said selector bars, a pair of spreader bars interposed between said rows, reciprocating means associated with said spreader bars, and toggle elements connected to said



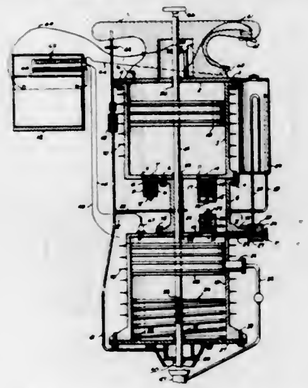
reciprocating means and said pair of spreader bars, whereby movement in parallel motion manner is imparted to said spreader bars by the toggle action of said elements to effectuate the actuation of said selectable elements toward and away from said permutative selector bars.

2,574,103

GASOLINE DRIVEN HAMMER

John P. Hefner, Houston, Tex.

Application August 30, 1948, Serial No. 46,800
3 Claims. (Cl. 123—7)



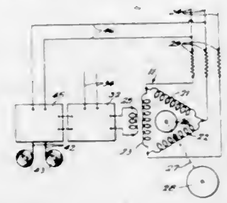
1. In a jack hammer, a pair of longitudinally aligned cylinders, an air storage chamber between said cylinders, means for compressing air from the atmosphere in one of said cylinders and supplying said storage chamber with compressed air, a fuel tank containing a combustible fuel, a conduit leading from said storage chamber to said fuel tank for placing fuel under pressure, a mixing valve leading from said storage chamber to said combustion cylinder, a conduit leading from said fuel tank to said mixing valve, means for controlling the flow of fuel into said mixing valve, ignition means for igniting said fuel in said combustion cylinder, a longitudinally movable shaft axially mounted through said cylinders, a piston fixedly mounted on said shaft in each of said cylinders, a source of electrical current, means on said shaft for completing and breaking a flow of electrical current through said ignition system upon termination of each upward stroke thereof, means for permitting the escape of exhaust fumes from said combustion cylinder, a chamber axially mounted on the lower end of said combustion cylinder, a conduit leading from said chamber to the air storage chamber, an elongated port in said shaft adapted to enter said chamber and permit the equalization of air pressure beneath the piston in the combustion chamber and the storage chamber upon the completion of each down stroke of said shaft, and a relief valve in said conduit having manually controlled means for adjusting said valve.

2,574,104

POSITION AND MOVEMENT REPRODUCING APPARATUS

Richard P. Ireland, Chicago, Ill., assignor, by mesne assignments, to Ampro Corporation, Chicago, Ill., a corporation of Illinois

Application July 1, 1946, Serial No. 680,597
9 Claims. (Cl. 318—162)



2. A transmitter recorder including apparatus for advancing a record at a constant speed, recording means energizable by constant frequency alternating current for placing intermittent recordings on the record, a movable device for controlling the recording means to regulate the frequency of the intermittent recordings in accordance with the speed of the movable device and the displacement of the intermittent recordings from preselected phase relation to alternating current energizing said recording means in accordance with the position of the movable device, a receiver reproducer including, a three phase primary winding for connection to a three phase alternating voltage source, a single phase secondary winding inductively coupled to the primary winding, said windings being relatively movable, a record controlled voltage generating device for operation in synchronism with a three phase alternating voltage source to which the three phase primary winding is connected for generating a single phase alternating voltage in response to intermittent recordings on the recordings on the record with the frequency of the generated voltage corresponding to the frequency of the intermittent recordings and the phase of the generated voltage corresponding to the displacement of the intermittent recordings, and means for applying across the secondary winding a single phase alternating voltage corresponding to the generated voltage for relatively moving the windings upon a change in frequency of the applied alternating voltage and for relatively positioning the windings in accordance with the phase of the applied alternating voltage.

2,574,105

LOCKING CLOSURE FOR FLEXIBLE TANK OUTLETS

Lou S. Janczak, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application October 30, 1948, Serial No. 57,449
4 Claims. (Cl. 222—507)

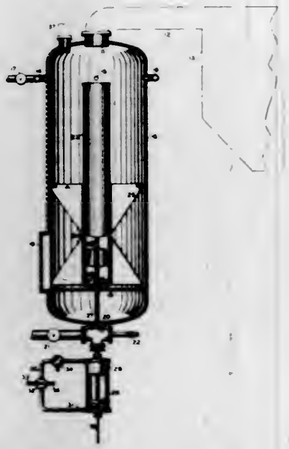
1. A closure for a flexible outlet comprising a closure plug adapted to be inserted within said outlet, a cap pivoted on said plug and having a

downwardly extending rim which encircles said outlet, a band clamp positioned between said rim and said outlet, said cap rim being rotatable in



respect to said band clamp, and means on said clamp and operated by said rim for clamping the wall of said outlet between said plug and said clamp.

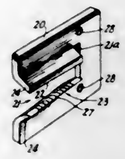
2,574,106
EXTRACTOR WITH DISCHARGE MECHANISM
James L. Jones, Jr., West Point, Miss., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application May 7, 1947, Serial No. 746,519
6 Claims. (Cl. 23—267)



1. An extractor comprising an elongated cylindrical tank, a porthole in the top of the tank, conduit means adapted to admit steam into the upper part of the tank, a foraminous false bottom within the tank, conduit means adapted to admit steam into the zone below the false bottom, a flue smaller in diameter than said false bottom within the tank having a shaft integrally connected therewith, and means in cooperation with said shaft adapted to reciprocate the flue along its vertical axis between a position wherein the flue is in communication with the porthole and a position wherein the flue is out of communication with the porthole.

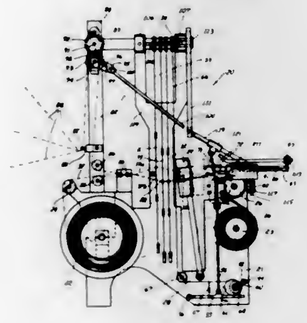
2,574,107
ROD CLAMP
Charles Wallace Joy, Hawthorn, Victoria, Australia
Application October 19, 1944, Serial No. 559,391
In Australia March 22, 1944
12 Claims. (Cl. 254—29)

7. A clamp for attachment to a rod comprising a body having spaced portions inclined to the axis of said rod and converging toward each other, said spaced portions terminating in aligned gripping edges forming an aperture in said body for the entry of said rod to be gripped by said edges, at least one of said rod gripping edges comprising a knife edge adapted to be-



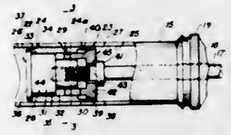
come embedded in said rod when said clamp is engaged upon said rod, said edges being inclined to a plane normal to the axis of said rod, and said knife edge being arranged for inward deflection towards the axis of said rod when tension is imparted to said rod, whereby said knife edge will be further embedded in said rod.

2,574,108
MACHINE FOR MAKING LOOPED OR TUFTED FABRICS
Benjamin Kahn, Gadsden, Ala.
Application October 26, 1949, Serial No. 123,544
6 Claims. (Cl. 139—38)



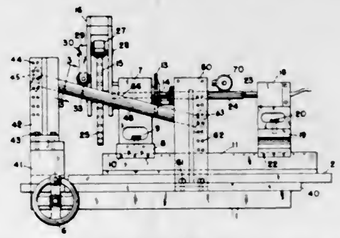
3. In a machine or making looped fabrics, in combination, a frame, a plurality of harnesses controlling the movement of ground warp threads, an additional harness controlling the movement of pile warp threads, a reciprocable carriage, mechanism for displacing said carriage toward said harnesses when said additional harness has inclined said pile warp threads more steeply than the ground warp threads so that the pile warp threads intersect the path of reciprocation of said carriage, a hook bar, a set of hooks on said hook bar, mounting means securing said hook bar to said carriage for entrainment in the direction of reciprocation of the carriage but with freedom to move in a direction substantially perpendicular thereto, guide means inclined toward the path of reciprocation of said carriage in the direction away from said harnesses, and link means connecting said hook bar with said guide means to move said hook bar along a sloped path which inclines toward said plane of reciprocation in the direction away from said harnesses when the carriage is displaced.

2,574,109
DEVICE FOR ADJUSTABLY INTERFITTING TWO COACTIVE MEMBERS
Frank A. Kane, Jr., Stratford, Conn., and Girard F. Oberrender, New York, N. Y.
Application February 17, 1949, Serial No. 76,932
18 Claims. (Cl. 309—36)



1. In a device for adjustably interfitting two coactive members, the combination of an outer member and a coacting inner member; the outer member having an internal cylindrical wall; the inner member containing a relatively thick cylindrical portion having, at an end thereof, a relatively thin annular spreading wall encompassing an inner annular recess, the outer surfaces of said cylindrical portion and said spreading wall both being slidably engageable with said internal cylindrical wall, and a wedge member with an inclined operative wall extendable into said recess and engageable with the inner surface of said annular spreading wall, said wedge member being movable in the direction of the axis of the said cylindrical portion, whereby upon a movement of the wedge member into said recess the said operative wall will be brought into pressing engagement with said annular wall to cause a spreading thereof towards said internal cylindrical wall of the outer member, the relatively thick cylindrical portion retaining its original diameter.

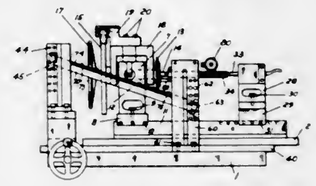
2,574,110
ATTACHMENT FOR GRINDING MACHINES
Stanley J. Kopec, Detroit, Mich.
Application August 17, 1946, Serial No. 691,233
6 Claims. (Cl. 51—232)



2. A machine for grinding and inspecting helical teeth comprising a base, a movable bed mounted on said base, a headstock and a tailstock mounted on said bed, a shaft journalled in said headstock, opposed centers on said shaft and said tailstock, means for securing a workpiece between said centers rotatable with said shaft, a laterally, outwardly extending arm pivoted on said shaft, means for selectively locking said arm and said shaft against relative rotation, a bracket on said arm, a wheel carried by said bracket, a stationary guide bar disposed on said base spaced laterally outwardly and parallel to said shaft and the path of the longitudinal movement of said headstock and tailstock having a flat side engaged by said wheel to rotate said arm, shaft, and said workpiece in unison upon a predetermined longitudinal movement of said workpiece,

means for securing said guide bar in different rotative positions about its longitudinal axis, means for disposing the opposite ends of said guide bar in selected vertical positions with respect to said base, and means for moving said bed longitudinally.

2,574,111
GRINDING MACHINE ATTACHMENT FOR GRINDING HELICAL TEETH
Stanley J. Kopec, Royal Oak, Mich.
Application July 1, 1947, Serial No. 758,292
7 Claims. (Cl. 51—232)

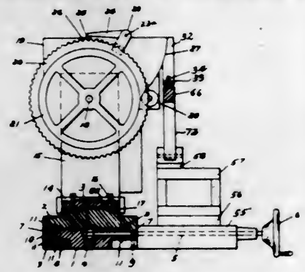


1. An attachment for a grinding machine for grinding and inspecting helical teeth comprising a support member, work holding means rotatably mounted on said support member, means for moving said support member and said work holding means longitudinally, an angularly outwardly extending arm carried by said work holding means, a wheel movable longitudinally parallel with the longitudinal movement of said support member and work holding means, carried on the outer end of said arm at a fixed distance from the work holding means, an angularly extending, comparatively wide, substantially flat faced guide bar disposed laterally of said work holding means and parallel to the longitudinal movement thereof over which said wheel travels to rotate said arm to rotate said work holding means upon longitudinal movement thereof, said wheel being adapted to move over the flat faced surface of said guide bar in an arcuate path, means for securing said guide bar in different rotative positions about its longitudinal axis to change the arcuate path of said wheel over the flat faced surface of said guide bar, means for adjusting the angle of said guide bar with respect to the longitudinal movement of said work holding means, and means for raising and depressing portions of the engaging surface of said guide bar engaged by said wheel.

2,574,112
GRINDING MACHINE ATTACHMENT
Stanley J. Kopec, Royal Oak, Mich.
Application May 10, 1948, Serial No. 26,218
10 Claims. (Cl. 51—232)

3. An attachment for a machine for grinding and inspecting helical teeth comprising a longitudinally movable, rotatable shaft, means for supporting said shaft, means for moving said shaft longitudinally, work holding means movable with said shaft, an off-center cam member mounted for rotation on said shaft and extending transversely laterally outwardly therefrom, an index wheel fixedly mounted on said shaft, means for selectively connecting said index wheel and said cam member whereby they rotate together, a cam roller engaging said cam member, a vertically movable slidable member carrying said cam roller movable longitudinally with said support for said shaft, and adjustable means for

moving said cam roller and said vertically movable member vertically to rotate said cam mem-



ber and said shaft upon longitudinal movement thereof.

2,574,113

AGRICULTURAL IMPLEMENT AND SUPPORT FOR THE SAME

Jacobus M. Landry, Summerland, British Columbia, Canada

Application May 26, 1947, Serial No. 750,451
17 Claims. (Cl. 56—27)



7. In a raking device of the character described a frame, a plurality of tines arranged longitudinally on the frame, an individual journal on the frame for each tine, a penetrating edge on the point of each tine in a plane substantially perpendicular with respect to the longitudinal axis of the tine, a curved surface formed near the point of each tine being generally inclined with respect to a horizontal plane in a direction opposite to the inclination of the tine to exert a lifting moment on the tine when penetration is too deep, said frame converging to an apex beyond the journals and being adapted to extend under a vehicle, a relatively stationary guiding member slidably engaged with said apex, a fulcrum yoke pivoted on said member and to said frame to journal said frame above said member and around a pivot axis transverse with respect to said frame and shaft, and freely swingable suspension means suspended from said vehicle above said fulcrum yoke and connected to said frame to suspend said frame and tines.

2,574,114

AMIDE-GLYOXAL-FORMALDEHYDE REACTION PRODUCT AND SHRINKPROOFING CELLULOSE TEXTILE FIBERS THEREWITH

René Léon Lehmann, Paris, and Josef Lintner, La Garenne Colombes, France, assignors to Bozel-Maletra Societe Industrielle de Produits Chimiques, Paris, France, a corporation of France

No Drawing. Application November 3, 1948, Serial No. 58,156. In France April 26, 1948
9 Claims. (Cl. 8—116.3)

1. A method for preparing products for enhancing the properties of textile materials, consisting in heat condensing an amide selected from the group consisting of urea, melamine and oxamide, with glyoxal in an acid medium, the amount of glyoxal being less than the stoichiometrical amount, whereby only a portion of the reactive nitrogen of said amide is fixed, and then heat condensing the product thus formed with formaldehye in an alkaline medium, the amount of formaldehyde being at least equal to the stoichiometrical amount, whereby the remaining reacive nitrogen is fixed.

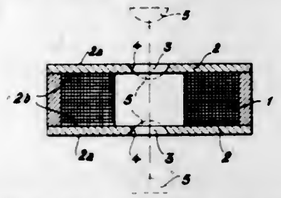
7. A method for enhancing the properties of cellulose fibers, in particular with a view to eliminating their tendency to shrink and to swell when wet, consisting in impregnating said fibers with an aqueous solution containing, together with an acid catalyst, the compound produced by the process of claim 1, then wringing and drying said fibers and finally heating said dry fibers to a temperature of 110° C. to 120° C.

2,574,115

MAGNETIC LENS, ESPECIALLY FOR ELECTRON OPTICAL SYSTEMS

Ludwig Leitz, Wetzlar-Lahn, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany, a corporation of Germany

Application August 10, 1950, Serial No. 178,595
In Germany December 30, 1949
8 Claims. (Cl. 313—84)



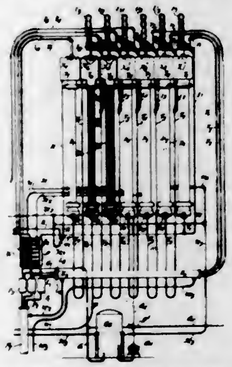
1. Magnetic lens for electron optical systems comprising a magnet with at least one ring shaped pole shoe with a passage opening for the electron rays, at least one of the electron active surfaces bordering the passage opening for the electron rays is of spherical curvature.

2,574,116

SERIES DISTILLATION PROCESS

Jean Loumiet et Lavigne, Itabo, Cuba

Application May 10, 1945, Serial No. 592,950
In Cuba May 25, 1944
2 Claims. (Cl. 196—73)



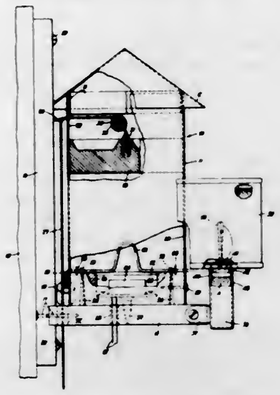
1. In a fractional distillation process of distilling a complex liquid comprising passing said liquid successively through a plurality of stills while maintaining said stills at various temperatures, the lower temperatures being in the initial group of stills and the higher temperatures in the terminal group of stills, passing the distillate vapors from the terminal group of stills and the final residue from the last still into heat exchange relationship successively with a first and a second stream of heat exchange liquid to vaporize each of said streams to produce vapors at different temperatures, heating the last still of the initial group by the first vapor stream and heating the next to the last still of the initial group by the second vapor stream.

2,574,117

BUBBLE-BLOWING DEVICE

Frederic G. Ludwig, Woodbridge, Conn.

Application July 1, 1947, Serial No. 758,371
6 Claims. (Cl. 46—8)



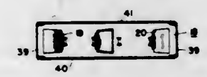
5. A bubble blowing device comprising an upstanding air cylinder having an orifice near the bottom thereof, a piston in said cylinder, a tank outside said cylinder adapted to contain a film forming liquid, a film frame outside said cylinder movable into dipping position with respect to said tank and out of said position into bubble blowing position opposite said orifice, means urging said film frame toward said bubble blowing position, and means operable by the downward movement of said piston after it reaches the position in which a bubble is blown for moving said film frame into dipping position.

2,574,118

RAILROAD TRACK CRIB CLEANING APPARATUS

James B. McWilliams, Pittsburgh, Pa., assignor to Railway Maintenance Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 20, 1948, Serial No. 3,284
2 Claims. (Cl. 37—104)



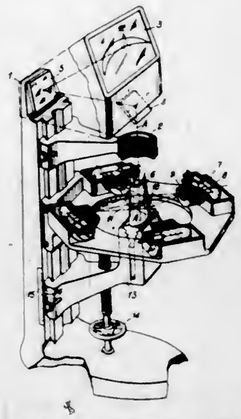
1. Apparatus for cleaning ballast in railroad track cribs comprising a support, means carried by the support for removing material from the crib, plates slidably mounted on the support for vertical movement, said plates extending vertically from the tops of the ties forming the cribs and substantially the full distance between the rails, said plates serving to prevent material being moved from the crib from spilling onto the ties.

2,574,119

OPTICAL CONTROLLING OR INSPECTING ARRANGEMENT FOR VERIFYING THE CROSS SECTIONS OF PIECES WITH COMPLEX PROFILES

André Mottu, Genthod-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland

Application October 25, 1949, Serial No. 123,358
In Switzerland October 28, 1948
3 Claims. (Cl. 88—24)



1. In an optical controlling or inspecting arrangement for verifying the cross section of members with complex profiles, a support carrying the member to be examined, a lighting device arranged all around said member, producing a plane sheet of light all around said member, said sheet tracing on said member an encircling line constituting the outline of the cross section to be verified, a projector including an objective lens the axis of which is perpendicular to the plane of said sheet of light. and a screen onto which said encircling line is projected, said support allowing a displacement of the member through a given distance parallel to the axis of said objective.

2,574,120

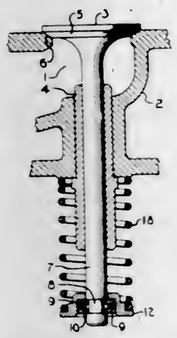
POPPET VALVE ASSEMBLY

George R. Rich, Battle Creek, Mich., assignor to Rich Manufacturing Corporation, Battle Creek, Mich., a corporation of Michigan

Application June 17, 1946, Serial No. 677,318
2 Claims. (Cl. 123—90)

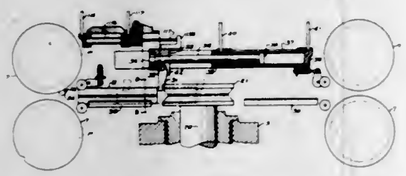
1. In a continuously loaded valve assembly of the character described, the combination which comprises a valve with a head having a smooth tapered seat and a stem, said stem having a longitudinally extending radial groove adjacent the end thereof remote from the head, said groove constituting the only connection to said valve, a spring retainer cup closely but freely fitting said stem, said spring retainer cup having a counterbore substantially larger than said valve stem and adapted to extend over said longitudinally extending radial groove in the valve stem, a slip

washer rotatably fitting said counterbore and having an opening therethrough larger than the diameter of said valve stem for free rotation relative to same, a pair of U-shaped washers rotatably fitting said counterbore and having a side opening smaller than the diameter of the valve stem but freely fitting the groove in said stem for rotation therein, said U-shaped washers being mounted on opposite sides of said slip



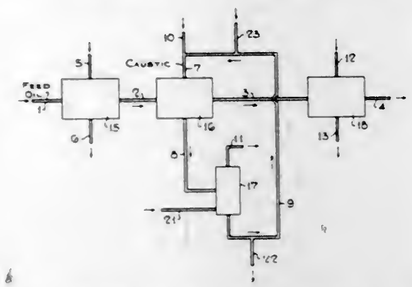
washer and the three of them having a total thickness slightly less than the length of said groove, whereby when said spring retainer cup is assembled on said valve stem by means of said washers they will facilitate uncontrolled substantially free unidirectional rotation of said valve relative to said cup, and a valve spring engaging said spring retainer cup for continuously loading said valve.

2,574,121
APPARATUS FOR DIE ROLLING
Arthur C. Ruden, deceased, late of Euclid, Ohio, by Ida McKinney, administratrix, Cleveland Heights, Ohio, assignor to The Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio
Original application July 11, 1940, Serial No. 345,587, now Patent No. 2,363,553, dated November 28, 1944. Divided and this application November 6, 1944, Serial No. 562,183
1 Claim. (Cl. 80—26)



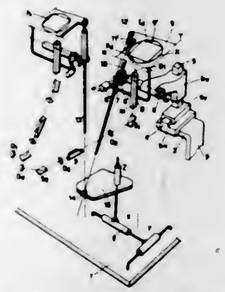
In a die rolling apparatus, a die roll having a peripherally extending groove; a die element in said groove for shaping a blank rolled in said groove; a stop member secured to said roll at one side of the plane of said groove and extending into the plane of said groove for engagement with a blank entering said groove, said stop member being disposed a predetermined distance along said groove from said element; a plate mounted on an end face of said roll, said plate carrying a cam thereon; and means for adjustably positioning said plate on said face for setting said cam at a predetermined position relative to said element.

2,574,122
SWEETENING PROCESS
James W. Ryder, Watchung, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 11, 1949, Serial No. 80,859
6 Claims. (Cl. 196—32)



1. Process for the removal of mercaptan compounds from a petroleum oil which boils in the range from about 80° F. to about 420° F., which comprises treating said petroleum oil with a caustic solution containing therein an alkyl phenolate which boils above about 420° F. and an aromatic mercaptide, said alkyl phenolate having been derived from the acidification of the caustic extract of a thermally cracked stock boiling in the range of about 420° to 700° F., and said aromatic mercaptide having been derived from the caustic extract of a catalytically cracked hydrocarbon fraction.

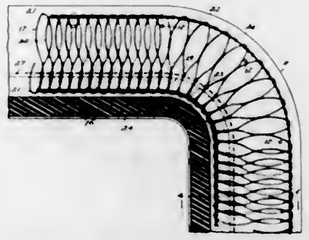
2,574,123
PROJECTION PHOTOGRAMMETRIC PLOTTING APPARATUS
Ermenegildo Santoni, Florence, Italy
Application August 3, 1949, Serial No. 108,396
In Italy August 28, 1948
3 Claims. (Cl. 88—24)



1. A mechanical projection photogrammetric plotting apparatus, composed of two symmetrical sections, each of which comprises a guide rod, universally hinged in the projection centre, a support rotatable around the same centre according to two orthogonal axes, a cross-slide on said support for holding a frame on which the photogram is mounted; a connection by means of a spherical joint between the upper end of the guide rod and said frame, so that for all the angular movements of the guide rod, there are such corresponding displacements on the cross-slide of the photogram to be in a condition to bring any point of it in correspondence to an optical system carrier by said support, said apparatus being characterized by the fact that the spher-

ical joint of connection between said guide rod and said photogram-bearing frame is applied to a lateral appendix of said frame so that the centre of the photogram is displaced laterally and outwardly (in accordance to the major component of the stereoscopic base) and on the side of the operator (in accordance to the minor component), the end of said optical system of collimation being brought onto said support of the cross-slide, said optical system being arranged under the same photogram and being made up of a first tube which at the top bears an objective lens and at the bottom a glass with a mark, said first tube holding under the mark, a first box which contains a first pivotable mirror which rotates for an half of the angle over which said first tube and a second tube connected to said first box rotate relative to each other, said second tube bearing a second objective and holding a third coaxial tube, rotatable and slidable on it, and containing an Amici prism, said third tube being in turn connected to a fourth tube, bearing a third objective and united to a second box, similar to the first, containing a second pivotable mirror, said box being in turn connected to a fifth tube, to which the observation ocular is applied.

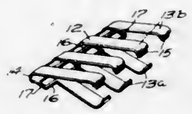
2,574,124
WEATHER STRIP
Charles P. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York
Application June 20, 1947, Serial No. 756,052
5 Claims. (Cl. 20—69)



1. A windlace having a bead-like core of resiliently soft and flexible material, a resiliently flexible stiffening strip having one edge embedded in and secured to said core, said strip comprising a series of relatively movable strands of resiliently flexible metal wire extending transversely of said strip, a strand of longitudinally yieldable, non-metallic material knitted through and connecting adjacent wire strands along the outer edge of said strip, and a strip of flexible covering material wrapped around said core with its edge portions secured together and extended to cover the opposite sides of said stiffening strip to form therewith an attaching strip flexible in its own plane and adapted to be attached to a structural member about an opening therein to resiliently support said covered core in sealing relation to said opening.

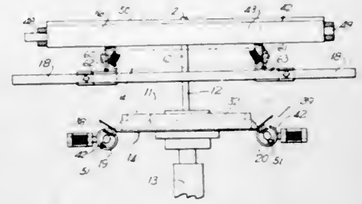
2,574,125
BASKET WEAVE BRACELET CHAIN
Adolf O. Schoeninger, Irvington, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey
Application October 24, 1946, Serial No. 705,449
2 Claims. (Cl. 59—80)

1. A basket weave bracelet chain, comprising a plurality of interlocked links, each link having a body portion, an odd number of bars extending laterally in spaced relation from one side of the body portion, and an even number of bars extending laterally in spaced relation from the other side of the body portion, the bars on one side being in overlying relation to the spaces between adjacent bars on the other side and of a width to extend into the spaces between bars



of an adjacent link, and abutment elements integral with the bars and extending from the sides of the bars in spaced parallel relation to the body portion and depressed a distance equal to the thickness of the bars, the alternate links being in reversed position with the bars of each link bent at the ends to interlock with the abutment elements of the adjacent link.

2,574,126
ATTACHMENT FOR BOX-COVERING MACHINES
Martin V. Silby, New York, N. Y.
Application December 5, 1947, Serial No. 789,877
7 Claims. (Cl. 93—54.2)

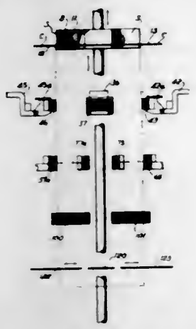


1. Means for folding and affixing to the side-wall of a box shell sloping with respect to the bottom thereof a side-wall-forming part of a cruciform cover blank adhering to the bottom of said shell, said means comprising a roller having an axial slot therein, and, within said slot, a resiliently and pivotally mounted bar having a beveled edge extending outside said slot, said edge engaging, folding, and affixing said part to said shell as the latter is passed against said roller.

2,574,127
ATTACHMENT FOR BOX-COVERING MACHINES
Martin V. Silby, New York, N. Y.
Application December 5, 1947, Serial No. 789,878
4 Claims. (Cl. 93—54.2)

1. In an attachment for a machine arranged to cover a box shell presented bottom-first to the covering mechanism thereof, said shell having a flat cover blank adhering to the bottom thereof, and said attachment adapting the machine to cover a box shell having the shape of an octagonal prism, eight brushes, positioned in the path of said shell so as to engage side-wall-forming parts of said cover blank and to effect sweeping toward and affixing to said shell of said side-wall-forming parts, said brushes being arranged in groups

of four at two levels so that the first group engages each alternate side-wall-forming part and



the second group engages the remaining side-wall-forming parts.

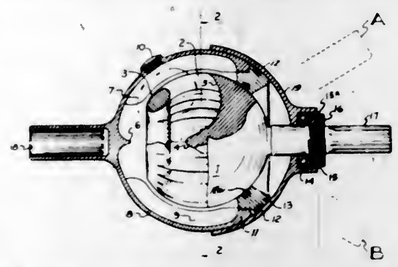
2,574,128
BRUSH AND BEATER ROLL FOR VACUUM CLEANERS
Frank Oren Skidmore, Cuyahoga Falls, Ohio
Application January 25, 1949, Serial No. 72,683
1 Claim. (Cl. 15—5)



In a sweeper, a cylindrical roller member, said roller member having a plurality of longitudinally spaced flat portions providing recesses on the outer periphery thereof, said flat portions being angularly staggered in a substantially helical relationship, helically arranged rows of bristle tufts secured to the roller member and extending radially therefrom, the angle of the helix of the recesses being substantially equal to the angle of the helix of the tufts, a plurality of support plates, one of the plates being secured to the roller member in each of the recesses whereby the support plates are secured substantially within the outer circumference of the roller member, eyelets integrally formed in spaced relationship along one edge of each support plate, a plurality of beater plates, eyelets integrally formed in spaced relationship along one edge of each beater plate, and a plurality of hinge pintles, a pintle being secured in said eyelets for hingedly engaging a beater plate to each support plate, said eyelets and pintles being axially parallel to the longitudinal axis of the roller member, the free edge of each beater plate parallel to the pintle being rolled to form a substantially tubular section of a length substantially equal to the length of the pintle.

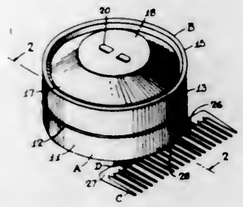
2,574,129
ROTARY FLUID COUPLING
George R. Spaleny, Osborn, Ohio, assignor to Robert B. Haynes, Toledo, Ohio
Application October 5, 1946, Serial No. 701,454
5 Claims. (Cl. 60—54)

1. Power transmission device comprising a universal coupling having a substantially spherical ball-like part fitting within a shell part, the parts being capable of relative movement out of axial alignment with each other, impeller vanes rigid with said spherical coupling part and arranged concentrically, blades rigid with the interior of the shell coupling part, an hydraulic seal between the coupling parts, and liquid with-



in the coupling parts so that rotative movement of one part through the vanes and blades will impart corresponding movement to the other part in any one of a number of relative angular positions thereof.

2,574,130
ANTISEPTIC ANIMAL APPLIANCE
Frits Springborn and John E. Sinos, Astoria, N. Y.
Application July 11, 1946, Serial No. 682,797
1 Claim. (Cl. 119—85)

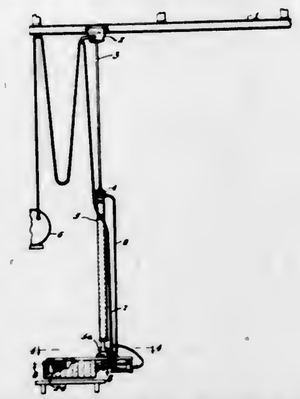


A combined animal comb and insecticide powder dispenser comprising a removable cover-cylindrical can with two sides and a cylindrical wall, said can serving as a handle for the dispenser and said can being provided with a diaphragm at one side in said cover, the bottom of said can at one side thereof being provided with a U-shaped clip, a comb mounted within said clip flatly on the bottom of said can, the teeth of which project away from said cylindrical wall of the can and lie in a plane perpendicular to the axis of the cylindrical can, said can having a plurality of openings in its cylindrical wall adjacent to the back of said comb and a return spring to return the diaphragm when pressed downwardly by the hand on grasping the can to eject the insecticide powder onto said comb during the combing operation.

2,574,131
BLOCK MATERIAL HANDLING MACHINE
Howard P. Steinbrecher, Cincinnati, Ohio
Application November 13, 1946, Serial No. 709,586
6 Claims. (Cl. 294—62)

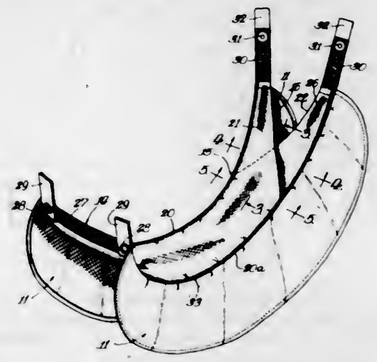
1. In a material handling machine of the type described; a gripping arm; a gripping finger pivotally mounted near one end of said arm, said finger being so mounted that it will not swing past a vertical position when used for clamping, said

finger being free to swing toward the other end of said arm about its pivotal mounting; a clamping plate movably mounted near said other end of said arm; said clamping plate having an operating device carried by said arm, said operating device being arranged to automatically continually urge said plate toward said finger; means under control of an operator for moving said clamping plate away from said finger, said means acting only during actual manipulation by



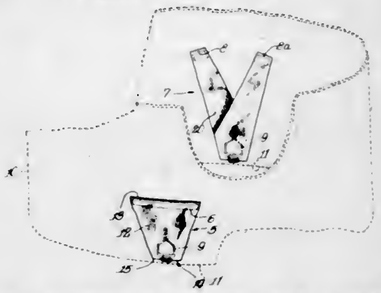
the operator; and means for suspending said arm from an overhead support, said suspension means being fastened to said arm towards that end near which said clamping plate is mounted, whereby said arm may be brought into operative position with respect to material to be handled by lateral movement of said arm across said material, said finger being swung towards said plate by contact with said material, said finger being adapted to fall by gravity to a vertical position when out of contact with said material.

2,574,132
SHIELD PANTY
Edward R. Sutter, Chicago, Ill., assignor to Beau-T-Form Foundations, Inc., a corporation of Illinois
Application July 30, 1949, Serial No. 107,804
7 Claims. (Cl. 128—149)



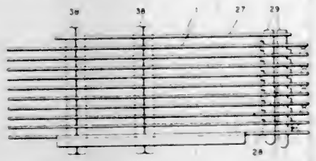
1. A detachable shield for a foundation garment comprising in combination, two central superposed strips of material extending from front to rear of the shield, said strips being narrowest at an intermediate point and becoming progressively wider in both directions away from the intermediate point, sewing joining said strips along their longitudinal marginal edges from the front to a point just beyond the narrowest portion of the strips, the rear portion of each strip being folded upon itself to form a substantially triangular double layer tab with the base of the triangular tab extending between the longitudinal marginal edges of the strips and the apex thereof positioned near the end of and at the marginal edge of the strip, said tabs being formed on opposite sides of the strips and being adapted to move laterally relative one to the other to provide a yieldable rear portion of the shield, means at each end of said strips adapted to cooperate with means on the front and back of a foundation garment for removably attaching said strips to the garment and an elongated piece of material sewn to each side of said central strips to depend downwardly therefrom between the thighs of the wearer when the shield is suspended from a foundation garment.

2,574,133
SANITARY PAD SUPPORT
Edward R. Sutter, Chicago, Ill., assignor to Beau-T-Form Foundations, Inc., a corporation of Illinois
Application July 30, 1949, Serial No. 107,805
7 Claims. (Cl. 128—291)



1. A sanitary pad support for a foundation garment comprising, in combination, a foundation garment, a front support including a trapezoidal shaped cloth sheath having an opening in its short parallel side communicating with the interior of the sheath, an elongated strip of elastic material folded intermediate its ends to form a V, said strip being attached at its free ends within the sheath to the longer parallel sides thereof, a pad-grasping hook loosely threaded on said strip and adapted to depend below said sheath in a first usable position and to be inverted and held within said sheath in a second position when not in use and means for attaching said sheath to the front inner surface of the foundation garment, and a rear support including a V-shaped cloth sheath having separate legs converging into a common base and an opening extending through the lower edge of the base communicating with the interior of the sheath, an elongated strip of elastic material folded intermediate its ends and having its free ends respectively attached within the sheath to the free ends of the legs of said sheath, a pad-grasping hook loosely threaded on said strip and adapted to depend below the sheath in a first usable position and to be inverted and held within said sheath in a second position when not in use and means for attaching said sheath to the inner rear surface of the foundation garment.

2,574,134
CONTACT SPRING ASSEMBLY OR THE LIKE AND METHOD OF PRODUCING THE SAME
Sten Daniel Vigren and Nils Evert Fridolf Holmqvist, Stockholm, Sweden
Application June 4, 1946, Serial No. 674,340
In Sweden June 13, 1945
3 Claims. (Cl. 200—166)



3. A contact spring assembly which comprises a plurality of contact springs, said contact springs having non-circular holes therein, the edges of which have saw tooth shaped projections, and an insulating rod of a non-circular cross-section of another form than that of the contour of the said holes, said insulating rod being positioned in said holes in said contact springs so that the axis of its non-circular cross-section is rotated through an angle with reference to the corresponding axis of said non-circular holes in said contact springs, whereby said contact springs are held in spaced relation by the protrusion of the saw tooth shaped projections of the edges of said non-circular holes therein into said rod.

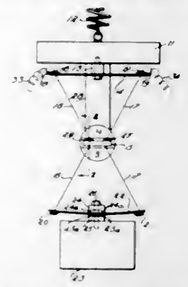
2,574,135
SALIVA EJECTOR
Abraham W. Ward, San Francisco, Calif.
Application August 5, 1949, Serial No. 108,677
4 Claims. (Cl. 32—33)



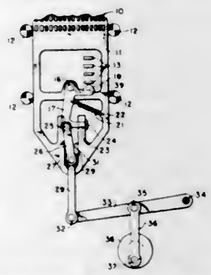
1. In a saliva ejector, an ejector stem having a bent portion to overhang the jaw of the patient, a flexible tube attached to the end of said stem, and a suction nozzle attached to the end of said flexible tube, said suction nozzle comprising inner and outer shells attached near the outer end of the nozzle, said outer shell being spaced away from the inner shell so as to provide an annular space open at the rear end of the nozzle, the inner shell having a formation to receive the end of the flexible tube, there being clearance between the outer surface of the flexible tube and the inner surface of the outer shell, a suction bore in the inner shell and a communicating passage between the bore and the annular space between the inner and outer shells permitting suction through said space and the communicating passage into the bore.

2,574,136
VIBRATORY FREQUENCY STANDARD APPARATUS
Henry E. Warren, Ashland, Mass.
Application November 29, 1947, Serial No. 788,824
11 Claims. (Cl. 250—36)

1. For frequency standard apparatus, a vibratory system comprising a pair of laterally spaced equal length wires, supporting and tensioning bridges to which the opposite ends of the wires are insulatively connected, means centrally securing one bridge to a support, a tensioning weight attached to the other bridge, means angularly deflecting the wires symmetrically in a common plane so that the wires, bridges and said means define a uniplanar system relatively stiff and resistant to vibration in the plane thereof but adapted to vibrate periodically transversely to that plane, a coil medially carried by the wires for unidirectional vibration therewith, and a relatively stationary permanent magnet positioned to have its field traversed by the vibrating coil.



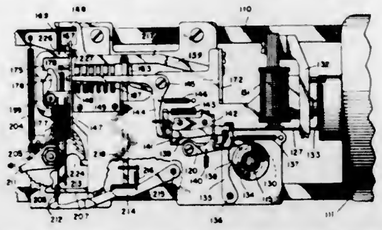
2,574,137
STOP FOR RECIPROCATING MEMBERS
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 22, 1946, Serial No. 656,284
7 Claims. (Cl. 192—143)



1. In combination, a movable member, selectively operated stop bars for determining the extent of movement of said member, drive means, a knee-action means operatively connected between said member and said drive means, said knee-action means comprising an anticipator cooperable with said stop bars, and abutting means on said member cooperable with said stop bars, whereby the movement of said member by said drive means is decelerated between the time of contact of said anticipator and said abutting means with said stop bars.

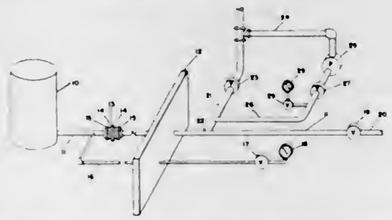
2,574,138
SELECTOR MECHANISM
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application June 14, 1945, Serial No. 599,322. Divided and this application March 17, 1948, Serial No. 15,350
9 Claims. (Cl. 178—4)

1. A selector mechanism comprising a plurality of cams, a follower associated with each cam and urged to engage the surface thereof, said cams having low portions into which the followers are urged followed by raised portions for actuating the followers invariably, a slidable actuator associated with each follower, a signal responsive means common to all of the followers for blocking their movement toward the low portions of their associated cams, a series of code bars, a code bar latch associated with each code bar and slidable actuator, a plurality of code levers, means for facilitating the selection of one



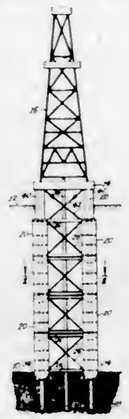
of said code levers upon the permutable unlatching of said code bars by said code latches under the control of said signal responsive means, an operating level yieldably associated with each of said code levers, detent means for retaining said operating levers in operated position when operated as a result of the selection of its associated code lever, contact means associated with said operating levers, and an operating bail dually effective to actuate a selected operating lever to operate said contact means and to free the operated operating lever from its detent means.

2,574,139
DEPRESSURING SYSTEM
Paul D. Barton, Phoenixville, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application June 15, 1949, Serial No. 99,237
7 Claims. (Cl. 220—89)



7. A depressuring system comprising in combination a pressure vessel, a main conduit connected with the pressure vessel and a shield through which said conduit extends, a frangible diaphragm in said conduit between the pressure vessel and the shield, a second conduit in open communication with the first conduit, in which a pressure is maintainable substantially at that of the pressure vessel but below the breaking stress of the diaphragm, a valve in the second conduit, a by-pass connected at one end with the second conduit at a point thereon more distant from the main conduit than said valve and at its other end in open communication with the main conduit, a pump and a valve in the by-pass and an escape valve in the first mentioned conduit beyond the connection therewith of the second conduit.

2,574,140
MARINE OIL WELL DERRICK FOUNDATION
Henry C. Boschen, Scarsdale, N. Y., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Application July 18, 1947, Serial No. 761,974
8 Claims. (Cl. 61—46)



1. A marine derrick foundation comprising a plurality of columns sunk through water into supporting soil, in combination with hollow annular tanks, adapted to be floated to location while empty, stacked one above the other around and along said columns, said tanks being adapted to be filled with water to sink them to position.

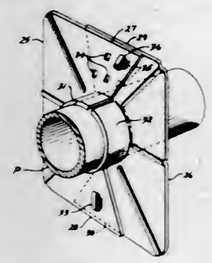
2,574,141
APPARATUS FOR CLEANING PERFORATIONS
Howard C. Brown, Bakersfield, Calif., assignor to B. & B. Oil Tool Co., Bakersfield, Calif., a partnership
Original application October 7, 1946, Serial No. 701,644. Divided and this application May 24, 1948, Serial No. 28,942
13 Claims. (Cl. 166—18)



1. A device for cleaning perforations in an oil well liner comprising a carrier having a longitudinal cavity therein open at one end adapted

to be supported upon the bottom of a string of hollow pipe; a plurality of cleaning members extending laterally from the carrier, each of said cleaning members being floatingly mounted within an enlarged bore arranged transversely of said cavity in the carrier for both pivotal movement and bodily shift towards and away from the carrier; a coil spring mounted in each said transverse bore for urging said cleaning members laterally outward from the carrier towards extended positions thereby causing the cleaning members to enter perforations in said liner; means defining an orifice in the carrier wall for establishing communication between the interior of the carrier and the annular space between the carrier and said liner; and means including a packing element adapted to operate as a seal in the liner for pumping fluid along a path passing through said orifice and said annular space and perforations in said liner.

2,574,142
RADIATOR FIN FOR PIPES
Frank G. Buongirno, Wallingford, Conn.
Application July 12, 1950, Serial No. 173,310
1 Claim. (Cl. 257—262.16)



In a radiator fin, the combination comprising a pair of flat separable body sections having arcuate inner edges adapted to be disposed concentrically with a common axis, said body sections extending radially from said axis and having diametrically opposed pairs of abutting, overlapping end portions, a pair of inner arcuate flanges extending laterally from said inner edges and initially tapered inwardly towards said axis, said flanges being deformable in an outward direction, said body sections being provided with radially extending reinforcing ribs, means comprising a pivot device for swingably connecting together one of said pairs of overlapping end portions, a plurality of apertures in the other of said pairs of overlapping end portions, and a pin adapted to be selectively engaged in said apertures for firmly securing said body sections in assembled relationship upon a pipe, whereby said flanges will assume a cylindrical shape and establish heat conducting contact with the pipe when said body sections are compressed thereon.

2,574,143
GUN SLING
Merrill K. Colby, Sparta, Mich.
Application June 23, 1950, Serial No. 169,994
2 Claims. (Cl. 224—1)

1. A gun support comprising a pair of spaced parallel main hooks, respective bar elements rigidly connecting the upper and lower ends of said hooks, said hooks being adapted to supportingly receive a gun in substantially horizontal position, a fabric cover wrapped around the lower portions of said main hooks and the lower bar element, a flexible strap connected at its respective ends to the upper bar element, said strap being adapted to be received around the neck of the wearer, and respective smaller hooks arranged longitudinally of and in back of said main hooks adjacent and spaced from the upper ends thereof with the lower ends positioned opposite and facing away from the bottom ends of said main hooks and each pivotally connected at its upper end to the adjacent main hook for movement about an axis transverse of the latter, the lower ends of said smaller hooks being sharpened and being engageable with the clothing of the wearer to secure the main hooks against swinging.



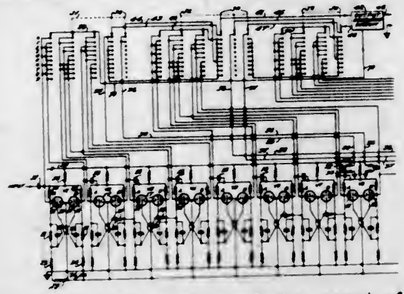
2,574,144
HAIR CLIP
Oscar L. Engstrom, New York, N. Y.
Application April 15, 1949, Serial No. 87,649
10 Claims. (Cl. 132—50)



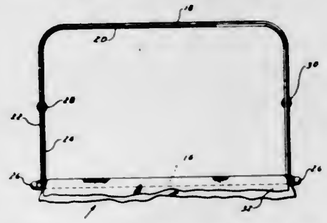
1. In a hair clip, a resilient loop portion having thin upper and lower arms which extend forwardly into respective lower and upper jaw portions disposed in overlapping face-to-face, overlying engagement with each other, one of said jaw portions comprising a pair of spaced prongs, and the other of said jaw portions comprising a reduced neck movably disposed between said spaced prongs.

2,574,145
COINCIDENCE INDICATOR FOR ELECTRONIC COUNTERS
Robert Russell Freas, Jr., Jermyn, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1948, Serial No. 23,896
2 Claims. (Cl. 235—92)

1. The combination of a plurality of decade counters connected in tandem and each including a plurality of trigger circuits of the type wherein a pair of electron discharge tubes have operating potential applied to their anodes through separate resistors and have their anodes each cross-connected to the grid of the other so that current conduction is stable in either of said tubes, means for applying input pulses to the lowest order of said decades, means for selecting from a first and second of said decades anode voltages which have their maximum values simultaneously only for one predetermined count of the decade from which they are selected, means for combining said selected voltages, a first differentiating circuit connected to the anode of one of the tubes in the fourth trigger circuit of a second of said decades, a second differentiating circuit connected to the anode of the other of the tubes in said fourth trigger circuit, switch means to apply the output of said first differentiating circuit to said means for combining said selective voltages responsive to said selecting means being adjusted to select a count of zero or one from said first decade and zero from said second decade, and a second switch means responsive to said selecting means being adjusted to select a count of zero or one from said first decade and six from said second decade to apply the output of said second differentiating network to said means for combining said selected voltages.



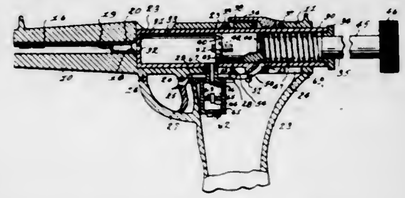
2,574,146
CARRYING RECEPTACLE
Melvin Gottesman, New York, N. Y., assignor to Mel-Ton Bags, Inc., New York, N. Y., a corporation of New York
Application June 25, 1951, Serial No. 233,393
1 Claim. (Cl. 150—29)



In combination, a handbag open at its top and including a pair of side walls, rods extending along the upper edge portions of the side walls, and a pair of inverted substantially U-shaped members, the legs of one of said members intersecting the intermediate portions of the corresponding legs of the other U-shaped member and being pivotally connected at the point of intersection, the free ends of the legs extending outwardly and being secured to the outer ends of the respective rods, whereby the top of the bag will be closed when the U-shaped members are brought together and disposed in substantially the same plane, the crown portions of said U-shaped members forming a carrying handle for the handbag, the leg portions of one U-shaped member above the pivot points for said members, being shorter than the corresponding leg portions of the other U-shaped member.

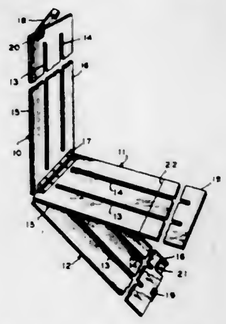
2,574,147
FIREARM
James M. Hobbs, Tucson, Ariz.
Application June 28, 1949, Serial No. 101,791
3 Claims. (Cl. 89—7)

1. A firearm comprising a barrel having means on one end for seating a powder containing bullet, a receiver positioned in aligned end to end abutting relation with respect to said one end of said barrel and fixedly secured to the latter, a hollow cylindrical bolt having one end closed and the other end open positioned within said receiver so that its closed end faces said one end of said barrel and mounted in said receiver for reciprocatory movement of its closed end into and out of abutting engagement with said one end of said barrel, hand actuable means positioned exteriorly of said receiver and said bolt for effecting the reciprocatory movement of said bolt, there being an aperture in said closed end of said bolt and in communication with the interior of said barrel, a plug closing the open end of said bolt, a carburetor positioned exteriorly of said receiver intermediate its end thereof and in communication with the interior of said hollow bolt for introducing an air-gas mixture into said hollow bolt, a piston positioned within said hollow bolt and mounted for sliding movement into and out of engagement with the closed end of said hollow bolt, a projection on said piston



and seatable in the aperture in the closed end of said bolt when the piston has executed its sliding movement into engagement with the closed end of said bolt, a piston rod slidably supported in said plug and having one end secured to said piston and having the other end projecting beyond said plug, spring means operatively connected to said plug and said piston for urging the latter into engagement with the closed end of said hollow bolt, hand actuable means on the projecting end of said piston rod for moving said piston out of engagement with the closed end of said hollow bolt, a sear positioned exteriorly of said bolt and mounted on said bolt for movement into and out of engagement with said piston, and trigger means operatively connected to said sear for moving the latter out of engagement with said piston.

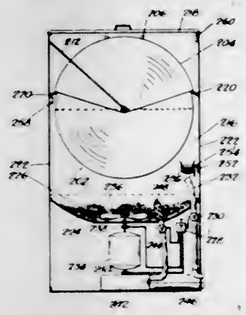
2,574,148
CUFF MARKING DEVICE
David L. Hutkin and Louis Lettes, Memphis, Tenn.
Application January 23, 1948, Serial No. 3,884
2 Claims. (Cl. 33—2)



1. A device for use in producing cuffs on trousers comprising a unitary device having multiple plates adapted to receive trouser legs be-

tween the same with a single trouser leg between a pair of such plates and a second trouser leg between one plate of the first pair and the third plate, means for securing said plates together at their ends whereby the plates will clamp said trouser legs therebetween, said means comprising a three-leaf hinge permanently secured to the ends of said plates and a releasable fastening means for fastening said plates together at their opposite ends, said plates having longitudinally disposed slots through which trousers clamped between the plates are adapted to be marked.

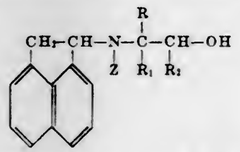
2,574,149
ARTICLE CARRIER FOR WASHING MACHINES AND TRAY THEREFOR
Leo M. Kahn, New York, N. Y.
Application March 3, 1944, Serial No. 524,893
6 Claims. (Cl. 134—104)



2. A washing machine for soiled articles comprising a washing compartment, article carrying means removably maintained in said compartment so as to subject said articles to a washing action and being removable from said compartment at the termination of said washing action, a tray movably mounted on said article carrying means so as to be positioned thereunder when removed from said compartment and to function as a drip pan therefor, and means to raise said tray relative to said carrying means and means to retain the tray in position over the carrying means to expose said articles to the action of a washing medium in said compartment, when the carrying means is disposed within the compartment.

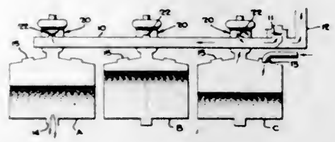
2,574,150
ACENAPHTHENYL AMINO ALCOHOLS
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 24, 1949, Serial No. 95,154
6 Claims. (Cl. 260—570.5)

1. Acenaphthenyl amino alcohols having the structure



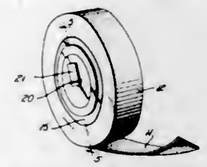
in which Z is a member of the group consisting of lower alkyl groups, lower alkenyl groups, phenylalkyl groups, the alkyl portion of which does not exceed 4 carbon atoms, methoxy-substituted phenyl alkyl groups, the alkyl portion of which does not exceed 4 carbon atoms; R, R_1 and R_2 are members of the group consisting of hydrogen and methyl; and organic and inorganic salts of said compounds.

2,574,151
VAPOR CONTROL
Clarence D. Laidley, Tulsa, Okla.
Application September 14, 1948, Serial No. 49,180
7 Claims. (Cl. 220—85)



1. In combination, a battery of storage tanks, a vent line connecting the tanks, a balanced valve controlling communication between each tank and the vent line, a diaphragm operatively connected thereto exposed to pressure within the tank on one side and to atmospheric pressure on the other, and means for imposing a load on the diaphragm in opposition to the tank pressure applied thereto when the diaphragm attempts to move to a position to open the valve under the influence of tank pressure.

2,574,152
ADHESIVE TAPE PACKAGE
Edwin W. Lewis, Greenwich, Conn., and Clement H. Watson, New York, N. Y.
Application October 7, 1947, Serial No. 778,488
2 Claims. (Cl. 206—56)



1. As a new article of manufacture a package comprised of superimposed laminae each comprising a flexible base having a water repellant pressure sensitive adhesive coating on one side thereof and a normally non-tacky, dry moisture sensitive adhesive coating on the other side, the water repellant coating being coextensive in area and shape with the moisture sensitive coating, said laminae being superimposed with the water repellant adhesive coating of one lamina overlying in registering relationship and peelably bonded to the moisture sensitive adhesive coating of the next adjacent lamina to protect the latter against moisture.

2,574,153
COMBINATION BAKING AND BROILING GAS BURNER
Richard H. Meiners, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 5, 1945, Serial No. 586,709
6 Claims. (Cl. 158—99)

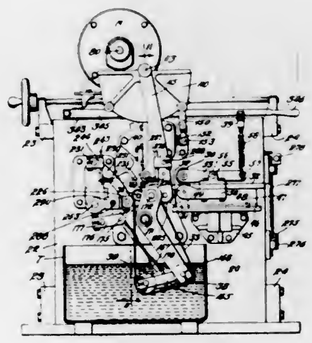
6. An oven gas burner comprising two substantially horizontal and coextensive sections

secured together face to face and made of stamped sheet metal having opposed complemental upper and lower recesses therein forming between them, a mixed fuel supply conduit in communication with a source of fuel gas and air at one of its ends, a continuous mixed fuel distributing channel in communication with the opposite end of said tube and surrounding a rigid central portion, flat radially contacting parts of said sections comprising said central portion, peripheral flanges on said members surrounding



said channel forming recesses each in contact with the opposite flange and secured thereto, one of said flanges being spaced from the other at intervals and united with the other at intervening intervals around its channel forming recess, whereby fuel ports slots between it and the opposite flange at least partly guaged and secured by said flat parts are formed and air rising from beneath the burner is directed over the orifices of said ports.

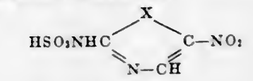
2,574,154
MACHINE FOR WINDING A SHEATH AROUND A CORE
Harold C. Noe, Upper Montclair, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application October 25, 1948, Serial No. 56,383
11 Claims. (Cl. 93—81)



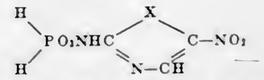
1. A sheath forming machine comprising an endless belt, means including a pair of rollers for supporting and driving said belt, means for feeding a sheet of paper to a predetermined position with relation to said belt, roller control means for changing the relative position of said rollers toward or away from each other, means engageable with one end portion of the sheet for forming said sheet end and belt between said belt supporting means into a pocket between said rollers, means for discharging a core into said pocket, and means for moving the belt supporting and driving rollers toward each other and means for driving the belt, thereby rolling the paper around the core.

2,574,155
SUBSTITUTED AMINO-NITROHETEROCYCLES AND METHODS OF PREPARING THE SAME
Robert P. Parker, Somerville, and John S. Webb, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 30, 1950, Serial No. 152,984
12 Claims. (Cl. 260—256.5)

1. Compounds of the group consisting of those having the general formulas:

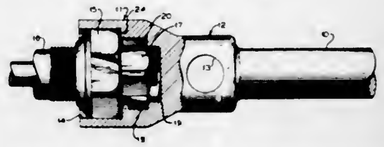


and



in which X is a member of the linking groups consisting of —N=CH—, —CH=CH— and —S—, alkali metal salts and alkaline earth metal salts.

2,574,156
DUAL WHEEL LUG WRENCH
Charles A. Pechacek, Tucumcari, N. Mex.
Application January 14, 1949, Serial No. 70,869
4 Claims. (Cl. 81—121)

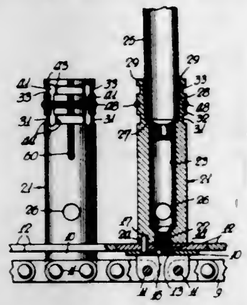


1. A dual wheel lug wrench for application to the lugs of a dual wheel assembly comprising a shank, a head attached to the shank, and an intermediate apertured portion between the head and the shank for receiving a turning bar, a first socket at the extremity of the head for receiving an outer wheel lug, a second socket further in the head and axially aligned with the first socket and of smaller diameter, a bushing entirely contained and rotatably mounted in said second socket and having an aperture of a size and configuration to snugly receive the inner wheel lug, means for retaining said bushing in said second socket, and a third socket of smaller diameter than said second socket to receive the extremity of the inner wheel lug and bolt extending through said bushing, whereby the wrench may be applied to the outer wheel lug and the inner wheel lug received in the bushing in order that axial alignment of the wrench and lugs may be maintained during application of a turning force solely to the outer wheel lug.

2,574,157
SELF-CENTERING HOLDER FOR CONTAINER FILLING MACHINES
August Reichert, Englewood, N. J.
Application February 7, 1949, Serial No. 74,913
5 Claims. (Cl. 279—54)

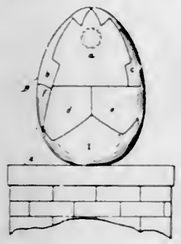
2. A self-centering holder having an open top socket adapted to receive a container, means within said socket for limiting the distance to which a container may be positioned therein, a plurality of circumferentially spaced jaws adapted to project into the socket of said holder for

axially centering a container therein, means spaced on opposite sides of said spring urging means for limiting the distance to which said jaws may be projected into said socket, and



spring urging means engaging said jaws intermediate the ends thereof for urging them inwardly of said socket whereby their opposite ends are free to rock about said spring urging means.

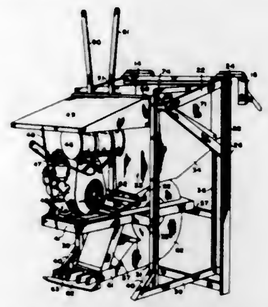
2,574,158
PUZZLE GAME
John W. Sullivan, Lake Charles, La.
Application July 12, 1949, Serial No. 104,265
2 Claims. (Cl. 273—160)



1. A puzzle body comprising a plurality of separable pieces each of which has a partly-ovoid outer surface, the outer surfaces of the separable pieces being complementary so that when all of the pieces are assembled together the body has the general shape of an egg, said pieces including a base end piece, three mutually interlocking upper end pieces, and intermediate pieces between said base end piece and said three upper end pieces, one of said upper end pieces comprising a key piece which, when removed from interlocking association with the two remaining upper end pieces, frees said two remaining upper end pieces and said intermediate pieces for separation from each other and from said base end piece, and said base end piece having an upright stem with an enlarged head thereon interfittingly received in appropriately shaped portions of said intermediate portions and said three upper pieces.

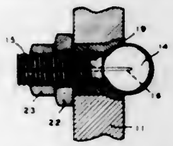
2,574,159
SPREADING DEVICE
Fred K. Tarrant, Saratoga Springs, N. Y.
Original application August 9, 1946, Serial No. 689,550, now Patent No. 2,496,504, dated February 7, 1950. Divided and this application September 27, 1949, Serial No. 118,115
2 Claims. (Cl. 275—2)

1. In combination, a vertical frame, means for supporting the frame on a truck, a second frame vertically adjustable on said frame and supported thereby, said second frame projecting rearwardly from the first frame, a third frame pivotally supported on the second frame at the rear portion



thereof, and spreading mechanism carried by the third frame and mounted thereon relative to the pivotal mounting of the third frame to be substantially balanced on the pivotal support on the second frame.

2,574,160
PLUG
Chester E. Zimmerman, Baltimore, Md.
Application November 29, 1946, Serial No. 712,857
1 Claim. (Cl. 220—24.5)

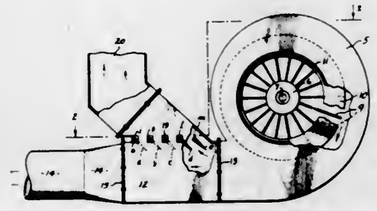


In a device for sealing a hole in a wall, said hole including a cylindrical portion and an enlarged arcuate portion extending from the extremity of the cylindrical portion to the adjacent surface of the wall, a stud having a threaded shank and a substantially spherical head of greater diameter than said shank, a cylindrical sleeve surrounding said stud and snugly fitting within the cylindrical portion of said hole, the length of said sleeve substantially approximating the thickness of said wall, said sleeve being provided with a cylindrical bore terminating in a frusto-conical portion positioned adjacent the enlarged portion of the hole in said wall, the spherical head of said stud engaging said frusto-conical portion, and a nut engaging the threaded shank of said stud and adapted to force said spherical head into the frusto-conical portion of said sleeve to expand said frusto-conical portion into sealing engagement with the enlarged portion of the hole in said wall.

2,574,161
APPARATUS FOR REMOVING WOOD WASTE
Charles V. Anderson, Seattle, Wash., assignor to Anderson Blow-Pipe and Manufacturing Company, a corporation of Washington
Application November 21, 1949, Serial No. 128,660
3 Claims. (Cl. 302—37)

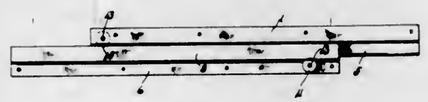
1. An apparatus for removing wood waste, comprising, a chamber horizontally disposed and discharge pipe from one end thereof for passage of wood waste therethrough under air pressure

being provided with a doorway across the top portion thereof above the level of the top of the pipe for the escape of portions of the air above the waste, means for normally closing the doorway, and for regulating the escape of the air including a plurality of relatively short damper plates mounted on pivots across the doorway, links affixed to one of the ends of the pivots and extended laterally therefrom for alternately closing the doorway and opening the same for di-



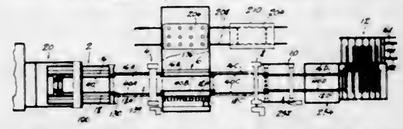
verting air from top of the chamber and for regulating the flow of waste through the lower portion of the chamber, a bar horizontally disposed and pivotally connected to the outer ends of the links for turning a plurality of the damper plates simultaneously, and a lever pivotally connected with the bar for moving the same to and fro for opening and closing the damper plates and for retaining the plates in such opened and closed position respectively.

2,574,162
ROLLER BEARING DRAWER GUIDE
Bertrand M. Baker, Grand Rapids, Mich.
Application October 16, 1950, Serial No. 190,326
3 Claims. (Cl. 308—3.8)



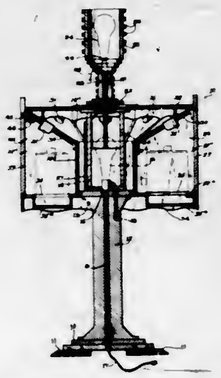
1. A drawer guide structure comprising, an upper horizontal member having an upper vertical leg, a horizontal web extending at right angles therefrom at its lower edge, a second vertical leg extending downwardly from the web and continued in a return U-bend and terminating in a terminal vertical leg spaced from the second mentioned vertical leg, a lower member having a vertical leg, a horizontal web extending therefrom at right angles at its upper edge and a second vertical leg on the lower member extending upwardly from said horizontal web alongside the terminal leg of the first member, said last mentioned vertical leg of the second member being continued in an inverted U-bend, and terminating in a downwardly extending vertical leg located between the second mentioned vertical leg and the terminal leg of the first member, each horizontal web having an opening therethrough, and a roller mounted to turn on a horizontal axis carried on each of the first mentioned legs of said members and extending through said openings, having bearing engagements against the U-bend portions of the members on which not mounted.

2,574,163
MECHANISM FOR FABRICATING BUILDING SECTIONS
Charles J. Bamford, Sr., Trenton, N. J., assignor to Homasote Company, Incorporated, Fernwood, N. J., a corporation of New Jersey
Application July 3, 1945, Serial No. 602,982
13 Claims. (Cl. 144—309)



1. Mechanism for fabricating building sections comprising a series of stations, means at one of said stations for securing timbers together in predetermined positions to form a framework for said section, means for moving the resulting framework successively past other stations in said series, operating means at any of said other stations for applying sheet securing means to said timbers and at a subsequent one of said other stations for applying sheet material to said sheet securing means, and actuating means at each of said other stations positioned to be engaged and actuated by a timber of said framework for controlling said operating means.

2,574,164
SMOKING STAND WITH REFLECTOR AND LAMP
John Baay, New York, N. Y.
Application April 23, 1947, Serial No. 743,381
1 Claim. (Cl. 240—2)



In a smoker's appliance, a pedestal, a lamp housing enclosing a source of light mounted concentrically on said pedestal, a cabinet rotatively positioned concentrically on said pedestal for rotation relative to said lamp housing and having a base wall and a concentric inner wall, a plurality of spaced posts extended vertically from the periphery of said base, said posts being of a height greater than the height of said inner wall, a roof wall supported between the top portions of said posts, a plurality of radial partitions extended between said posts and said inner wall dividing off compartments for individual smoker's articles, said partitions having their top edges inclined downward and inward from the periphery of said roof wall to the top edge of said inner wall, downwardly and inwardly inclined roof members mounted between the top edges of each adjacent pair of said partitions, and reflectors mounted through said roof members for reflect-

ing light rays from said source of light downward through said roof members and into each of said compartments.

2,574,165

PROCESS FOR THE MANUFACTURE OF THE GAMMA ISOMER OF HEXACHLOROCYCLOHEXANE

Harry Bender and Harold M. Pitt, Torrance, Calif., assignors to Stauffer Chemical Company, a corporation of California

No Drawing. Application October 28, 1949, Serial No. 124,231
5 Claims. (Cl. 260—648)

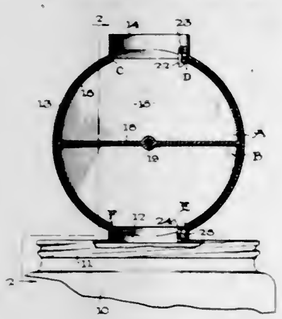
1. A process for treating crude hexachlorohexane, obtained by the addition chlorination of benzene, to obtain a fraction containing an enhanced proportion of the gamma isomer comprising dissolving the crude hexachlorocyclohexane substantially completely in a lower aliphatic alcohol solvent at a temperature of about 40°–100° C., cooling the so-formed solution to about 30° C. and agitating vigorously to form a mixture of small crystals of the alpha and gamma isomers and a solution containing the delta isomer, separating the so-formed crystal mixture from the delta isomer solution, mixing said crystal mixture with from 15 to 10 pounds of isopropyl alcohol per pound of gamma isomer and at a temperature between 45° and 50° C., separating the undissolved solids, cooling the resulting solution to a temperature below about 30° C. to precipitate crystals of the gamma isomer of hexachlorocyclohexane, and separating the gamma isomer crystals from the solution.

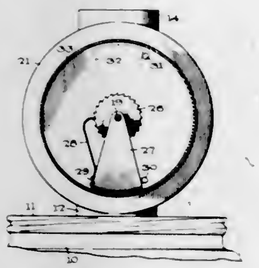
2,574,166

DEVICE FOR DISPENSING DISCRETE PARTICLES

Ira S. Boydstun, Houston, Tex.

Application April 3, 1947, Serial No. 739,042
4 Claims. (Cl. 222—368)





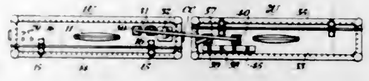
4. In combination, a container and a dispensing device comprising a hollow cylindric rotor fixedly mounted on an axial shaft and divided on an axial plane into two separate measuring compartments and having two openings, one for each compartment, located in the cylindrical surface of the rotor and positioned diametrically opposite one another; a housing fitting the rotor closely while not interfering with its free rotation, said housing being connected with the aforementioned container and having a port in communication therewith and in alignment with one of the two openings of the rotor, and having a second port diametrically opposite the first port; and means which, when actuated by successive reciprocative inversion, rotate the rotor to successively align a rotor opening with the housing port in communication with the container and then in communication with the opposite housing port, said means including a ratchet wheel fixedly mounted on the aforementioned shaft, a pendent weight loosely mounted on said shaft, and a pawl attached to said weight and positioned to transfer the rotative motion of the weight in one direction to the ratchet wheel and rotor.

2,574,167

PORTABLE AND EMERGENCY EQUIPMENT FOR INDUCTIVE CARRIER COMMUNICATION SYSTEMS

Edgar W. Breisch, Edgewood, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application May 23, 1950, Serial No. 163,590
9 Claims. (Cl. 179—1)



1. In a portable equipment unit for a two-way inductive carrier communication system which uses a transmitting line circuit, the combination comprising, a flat rectangular case of a selected light weight material and provided with means to enable the case to be carried, an assembly including a transmitter and a receiver of carrier communication current mounted in said case, the inside walls of said case formed with a recess which extends for the full longitudinal inside periphery of the case, a coil of a given number of turns of an electrical conductor secured in said recess, and said coil being provided with connections to the output of said transmitter and to the input of said receiver, said coil forming an air core inductor which is fully confined within said case to be free from contact and mechanical injury when the case is being carried and which inductor can be positioned for effective transmission and reception by induction by proper positioning of the case.

2,574,168

METHOD OF COATING POROUS MASONRY TO RENDER IT WATER REPELLENT

Bayard R. Brick, St. Louis, Mo., assignor to Walter Wurdack, St. Louis, Mo.

No Drawing. Application January 19, 1950, Serial No. 139,533
1 Claim. (Cl. 117—123)

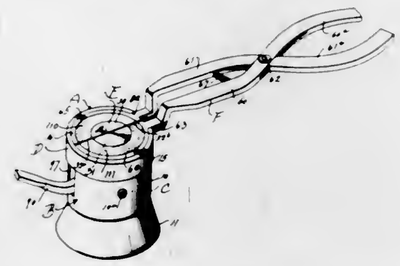
A process of rendering porous masonry structures water repellent including the steps of applying to such masonry structures a dilute liquid comprising a solution in an organic solvent of a silicone resin in its B-stage partially condensed form, wherein the concentration of the silicone resin is from about .1 to 5 parts by weight of the silicone resin to 99.9 to 95 parts by weight of the organic solvent, said silicone resin when completely condensed being a heterocyclic and cross-linked condensation product having the formula $(R_mSiO_n)_x$, where x is an integer greater than one, R represents radicals some of which may be unlike, selected from the group consisting of monovalent alkyl and monovalent aryl radicals, m is a number less than two and not less than approximately .5, and n is a number more than one and not more than approximately 1.75, the silicon atoms in the resin being linked to the oxygen atoms and the alkyl and aryl radicals being attached to the silicon atoms; to effect a substantial penetration of the solution into and below the surface of the masonry, and, by permitting the treated masonry to dry to remove the solvent, leaving a thin deposit of the silicone resin on the portions of the masonry penetrated, without closing the pores thereof.

2,574,169

PACKING TOOL FOR FORMING AND INSTALLING IMPRESSIONABLE COMMINUTED OR PLASTIC PACKING

Earl E. Brown, Camden, N. J., assignor of one-half to George A. Streitz, Camden, N. J.

Application February 3, 1948, Serial No. 6,026
4 Claims. (Cl. 18—34)



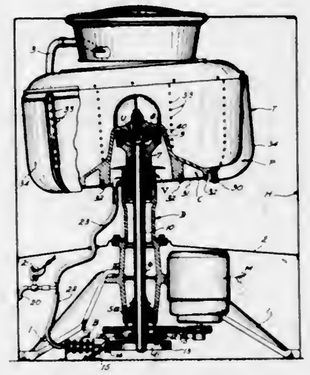
3. In a device for the formation of segmental-shaped packings the combination of a plier-like packing forming tool comprising a pair of pivotally connected lever portions and heads thereon each defining a semi-circular socket adapted to receive therein an impressionable material, a casing having a compartment therein opened upwardly and provided with a moulding wall in the bottom thereof, said casing compartment being adapted to receive therein the heads of said levers to hold said heads in a relatively spaced relation just slightly out of true circuular position with the edges of said heads abutting said moulding wall and being disposed in complementary relation to the sockets of the heads for the formation of the packing segments, a core reciprocably carried by said casing for axial movement thru said compartment and into the sockets of the packing forming heads, packing dividing wings carried by said core and movable therewith for entering said compartment and sockets with the core to cooperate with said heads in the complementary formation of true semi-circular packing segments, a spring carried by said casing normally forcing said core and the wings thereof into said compartment and sockets, and lever means carried by the casing for moving the core into projected or retracted relation with respect to said compartment and sockets.

2,574,170

COMBINED WASHER AND EXTRACTOR

Gerald I. Cockerill, Cleveland Heights, and Ralph L. Archbold, Euclid, Ohio, assignors to The Apex Electrical Manufacturing Co., Cleveland, Ohio, a corporation of Ohio

Application October 19, 1946, Serial No. 704,482
10 Claims. (Cl. 68—23)



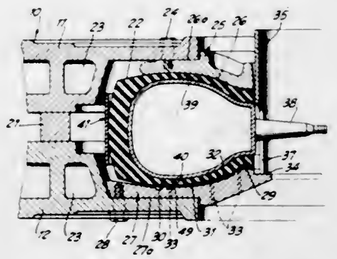
10. In combination in a washing machine, a rotatable perforated tub having a plurality of water balancing pockets, means to spin said tub for extracting liquid therefrom, a hydraulic operator for said spin means arranged to initiate spin when water pressure is applied to the hydraulic operator, means for directing water into said balancing pockets, said hydraulic operator means and said directing means being connected to a common source of water under pressure, and a cut-off valve in said pressure source whereby opening said cut-off valve initiates spinning of the tub and supplies water to said directing means for balancing the tub.

2,574,171

TIRE SIDE WALL MOLD

James E. Collins, Maywood, and Arthur W. Douglas, Los Angeles, Calif., assignors to American Tire Machinery, Inc., Los Angeles, Calif., a corporation of California

Application May 6, 1947, Serial No. 746,302
5 Claims. (Cl. 18—18)



5. In a device for vulcanizing a thin annular sheet of rubber-like material to the side wall of a tire, the combination of a mold body adapted to receive a tire, said mold body comprising a pair of mold sections separable along a plane normal to the tire axis, removable spacer blocks interposed between the mold sections, releasable means for maintaining the mold sections against

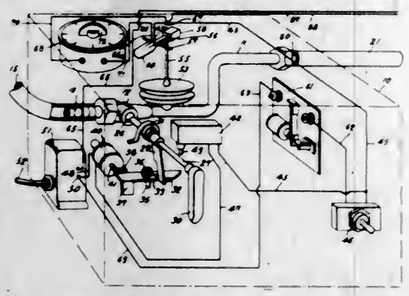
separation, an annular matrix removably mounted in each of the mold sections and adapted to support the thin annular sheet in position against the tire side wall, inner and outer concentric bead rings on the latter matrix adapted to be coextensive with the inner and outer circumferences of the thin annular sheet, a non-resilient adjustable band encircling the tire within the mold body and adapted to prevent radial expansion of the tire, means in the tire adapted to maintain the thin annular sheet under pressure between the said matrix and the tire side wall, and means on the mold body adapted to heat the matrix.

2,574,172
TAIL BRACE
Alfred H. Daniel, Waynesville, Mo.
Application December 22, 1950, Serial No. 202,228
5 Claims. (Cl. 54—78)



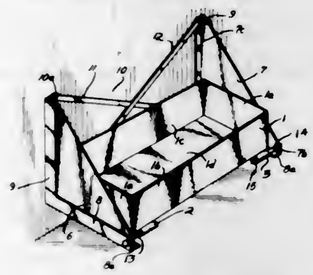
5. A tail brace comprising a pair of rods, the lower ends of said rods being integrally joined together and angularly disposed relative to each other in a first plane, first intermediate portions of said rods being arcuated and angulated with respect to said lower ends, second intermediate portions of said rods being arcuated and angulated with respect to said first intermediate portions, the upper ends of said rods being arcuated and inwardly converging, and means joining the free upper ends of said rods in spaced relation, the lower ends of said rods being formed with a knob providing a pivot for engagement with the crotch of a horse.

2,574,173
GAS HEATER SAFETY DEVICE
Louis F. Durrell, San Antonio, Tex.
Application October 3, 1947, Serial No. 778,146
14 Claims. (Cl. 161—9)



1. A safety device in combination with a gas line and a gas burner to which gas under pressure is supplied through the gas line, a valve operably located in the gas line, means for normally biasing the valve towards closed position, a yieldable detent adapted to engage and hold the valve in open position, an electric circuit including a solenoid adapted to operably engage the detent, an electric switch electrically connected to a source of electric current supply and to the solenoid, pressure-responsive means communicated with the gas line and operable to close the switch when pressure drops in the gas line, thereby establishing an electric circuit to the solenoid whereby the solenoid actuates the detent to release the valve for closing to cut off the gas supply to the burner, and timer mechanism electrically connected with the circuit including said solenoid to independently operate the switch upon lapse of a predetermined time.

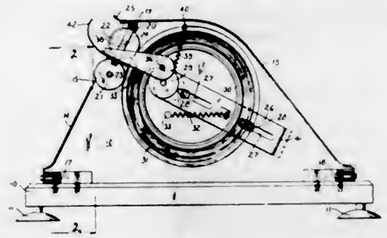
2,574,174
SANITARY HOG TROUGH
Lewis Dyrdahl, Oldham, S. Dak.
Application September 5, 1946, Serial No. 694,858
4 Claims. (Cl. 119—61)



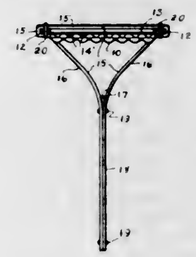
1. A sanitary hog trough comprising a pair of vertically extending laterally spaced side panels having a bottom edge and forward and rear ends, horizontally extending flanges on the bottom edges of said panels extending towards each other, means for attaching the rear ends of said panels to a supporting surface, a container having a bottom wall, relatively parallel side walls and a front wall, a pair of sleeves attached to said container and lying parallel to and forwardly of said front wall of said container, registering pivot pins attached to said side panels and extending into said sleeves, said pins pivotally mounting said container on said side panels, said walls engaging and being guided by said side panels when said container is in its upright position, the axis of said pivot pins being spaced rearwardly from the forward ends of said panels a distance equal to the distance the axis of said sleeves lies forwardly of said front wall of said container said forward ends of said side panels engaging said front wall of said container and supporting said container in a horizontal inverted position.

2,574,175
TAPE-DISPENSING MACHINE
Oscar P. Erhardt, Derby, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application June 18, 1947, Serial No. 755,281
9 Claims. (Cl. 242—55.5)

1. In a tape-dispensing machine, a frame, means thereon for supporting a supply roll of tape wound upon a hollow spool, said means comprising a pair of rollers engaging the outer surface of the roll, and means engaging the interior surface of the spool to cooperate with said rollers and hold the roll in place, said means urging the supply roll toward said rollers.

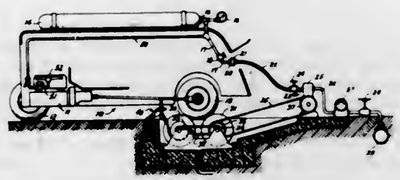


2,574,176
SAFETY RAZOR
John Edwin Fisk, South Euclid, Ohio
Application October 13, 1944, Serial No. 558,541
5 Claims. (Cl. 30—32)



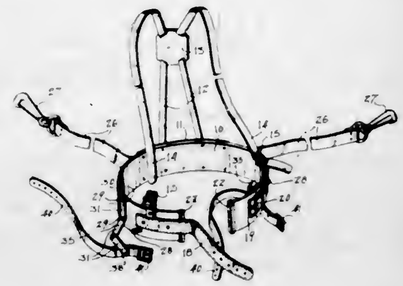
1. A safety razor comprising a head, a blade and a strip of comparatively flexible material of approximately uniform width and thickness narrower in width than the blade, surmounting the blade and head, the ends of said strip of material extending around and intimately under the longitudinal ends of the blade and head, and forming a juncture approximately centrally beneath the head and extending downwardly beyond the juncture to form a handle for the razor.

2,574,177
GAS FUELING SYSTEM FOR FILLING TRUCK-MOUNTED CONTAINER BY USING THE POWER OF THE TRUCK MOTOR
Raymond Godet, Paris, France
Application September 12, 1945, Serial No. 615,816
6 Claims. (Cl. 222—117)



1. A fueling system for motor vehicles that comprises a pipe line having a plurality of outlet stations and containing combustible gas under pressure of circa 10 atmospheres, a motor vehicle having a gas container which is of weight limited to the acceptance of pressures on the order of 30 to 50 atmospheres and a motor which is fed from said container by means including a gas pipe, and means to fill the tank with gas from the said line including a conduit, a compressor of 30 to 50 atmospheres capacity in the conduit, and means to drive the compressor from the vehicle motor.

2,574,178
SAFETY BELT
Frank Haller, Brooklyn, N. Y.
Application November 12, 1949, Serial No. 126,736
5 Claims. (Cl. 227—49)

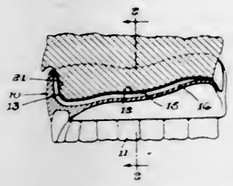


1. In a safety belt having a girth and leg straps fastenable about a wearer's thighs, a hinged connection between each side of the girth and each of the leg straps comprising a first link stationarily secured to the girth, a second link pivotally connected at one end to said first link, and a third link pivotally connected to the other end of said second link and carrying the leg strap.

2,574,179
METHOD OF PRODUCING A STABILIZING INGREDIENT FOR FOOD PRODUCTS
Chastain G. Harrel and Robert O. Brown, Minneapolis, Minn., assignors to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware
No Drawing. Application August 27, 1945, Serial No. 613,038
2 Claims. (Cl. 99—150)

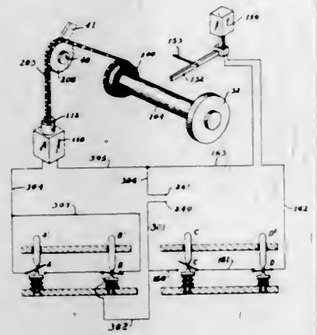
1. The method of producing a stabilizing ingredient for foods and food products which consists in preparing an aqueous starch suspension from farinaceous starch and water, adding a relatively small amount of starch liquefying enzyme, heating said suspension at favorable temperature for a period of time, to assure the complete gelatinization and liquefication of the starches, then cooling the resultant mass to a temperature favorable to enzymatic saccharification of the starches, adding a relatively small proportion of a saccharifying enzyme and maintaining the temperature of the mass at approximately said favorable point for a period of from one to three hours, thereafter boiling the mass for a period of time sufficient to kill all enzymes then present and thereafter, admixing with the mass at substantially boiling temperature, a relatively small percentage of comminuted, farinaceous starch material and then drying the mass to produce a quantity of comminuted, dry stabilizer.

2,574,180
PROSTHETIC DEVICES
Martin D. Harris, Paterson, N. J.
Application May 14, 1949, Serial No. 93,267
10 Claims. (Cl. 32—2)



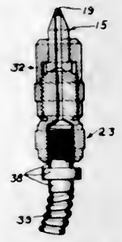
1. A denture structure comprising, a plate member, a plurality of teeth carried by the plate member, a diaphragm secured to the said plate and adapted to lie between the entire mouth-conforming inner surface of the plate and the mouth of the wearer, said diaphragm being spaced from the plate member where not attached thereto.

2,574,181
TARGET OPERATED TAPING MACHINE
Charles Hess, Yonkers, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application March 13, 1948, Serial No. 14,653
10 Claims. (Cl. 216—23)



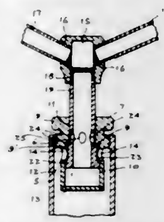
1. In a taping machine for applying tape to the seam of a folded box blank, means for moving the box blank through the machine, means for supporting a tape supply, tape feeding and applying apparatus for applying the leading edge of the tape to the leading edge of the seam, tape cutting apparatus for cutting the tape after a length thereof equal to the length of the seam has been drawn from the tape feeding and supply apparatus; said tape feeding and supply apparatus and said tape cutting apparatus being electrically controlled; said tape feeding and supply apparatus comprising a feed roller said feed roller being resiliently urged toward one angular position for rotation in a feeding direction; said electrical control means comprising a solenoid, a connecting member between said solenoid and feed roller said solenoid when energized moving and maintaining said feed roller in a position angularly removed from said first-mentioned angular position; said solenoid being normally energized; switch means operable by the passage of a box through the machine to de-energize and then energize the solenoid.

2,574,182
PIPE JOINT
Augustus A. Hickman, Brooklyn, and Lawrence O. Henderson and Alfred Patriacco, New York, N. Y.
Application September 12, 1947, Serial No. 773,580
1 Claim. (Cl. 285—120)



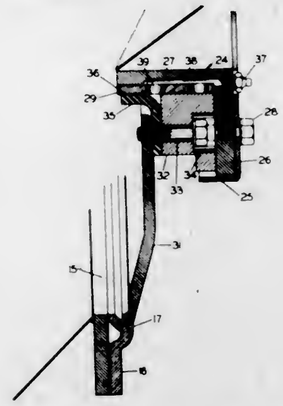
A combination lubrication adapter including a base-sleeve chambered and internally threaded for attachment to an externally threaded lubricant supplying fitment associated with a lubricant source means, a casing-sleeve, said two sleeves having coacting threads whereby they may be coupled end to end, a nozzle member insertable within said casing-sleeve, said nozzle provided with a pointed end having a discharge port associated therewith, a passage through the length of the nozzle communicating with the discharge port, stop means associated with said nozzle comprising a circumferential shoulder defined intermediate the length of said nozzle by an enlarged base end formed integrally with said nozzle remote to said discharge port, stop means in the casing-sleeve comprising a circumferential shoulder formed internally thereof and intermediate the length of the sleeve, and means associated with the base-sleeve for impingement upon the enlarged base end of the nozzle whereby coactive rotation of said threaded sleeves will impart rotation to said nozzle and the subsequent impingement of the two aforementioned stop means.

2,574,183
SPRINKLER
Michael Joseph Holmes, Windsor, Ontario, Canada
Application September 12, 1947, Serial No. 773,567
2 Claims. (Cl. 299—69)



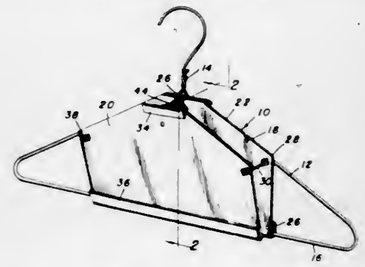
1. A water sprinkler comprising a base, an upright outer tube supported by said base and having an inlet for connection to a pressure supply and an outlet, a collar arranged for closing said outlet and formed with a central bore and a tubular extension extending into said supply tube and aligned with said bore but of a larger internal diameter to define an internal shoulder at the upper end of said extension, said extension being sealed at the lower end and formed with peripherally aligned ports in the wall thereof adjacent said collar, and a sprinkler head having a tubular extension open at the lower end journalled and vertically slidable in said collar bore and extending into said collar extension and formed with an enlarged lower end defining an external shoulder in sliding water seal with the inner wall of said collar extension below said ports, said sprinkler head extension having a series of peripherally aligned ports in the wall thereof above said external shoulder, said internal and external shoulders forming an annular chamber between said collar and sprinkler head extensions and water sealed at the top and bottom and in lateral communication through said ports with the interiors of said upright outer tube and sprinkler head, the disposition of said sprinkler head extension ports and external shoulder in relation to said collar extension ports being such that on upward movement of said sprinkler head extension the ports therein enter said collar to progressively close off communication between said chamber and sprinkler head while leaving said chamber in non-restricted communication with said upright outer tube through said collar extension ports to present by virtue of said external shoulder a constant area thrust surface within said chamber against which water under pressure of the source entering unrestricted through said collar extension ports exerts its pressure to displace said sprinkler head downwardly.

2,574,184
SEALING MEANS FOR AN END-LOADING TRANSIT MIXER OR AGITATOR
Gebhard Jaeger, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application June 1, 1951, Serial No. 229,337
14 Claims. (Cl. 259—161)



1. In combination with a mixer having a rotatable mixing drum with an opening through which the material is charged and discharged, a charging device including a hopper and an annular door for cooperating with said opening, means for supporting said charging device on said mixer for movement of the door into sealing association with or away from said opening, means for moving said charging device between such positions, means for mounting said door on said hopper so as to permit relative rotation, said means comprising a sealing joint which includes flat thrust rings carried by said hopper and said door member in face-to-face contact, a flexible sealing ring carried by the door remote from the contacting faces of said thrust rings, and a wearing ring carried by said hopper and extending axially of said opening, said flexible sealing ring having a free edge which is turned substantially parallel with and into contact with said axially extending wearing ring.

2,574,185
GARMENT HANGER
Cordell C. Light, Amarillo, Tex., assignor of fifty per cent to Tyra P. Byrum, Amarillo, Tex.
Application August 1, 1949, Serial No. 107,957
1 Claim. (Cl. 223—91)



In a wire clothes hanger, an attachment for suspending skirts and pants comprising a first vertical plate having a lip at its upper end, said lip including a slot for loosely embracing the neck of the hanger and an upturned longitudinal lip at its lower end for receiving the horizontal bar of the hanger, a second vertical plate of the same dimensions as the first plate, bolts carried by said first plate slidably extending through said second plate, nuts on the free ends of said bolts for limiting the outward movement of said second plate, and a spring interposed between and terminally secured to said plates adjacent their upper ends normally urging the lower ends of said plates together into clamping position.

2,574,186
APPARATUS FOR VIEWING STEREOSCOPIC PICTURES
Joseph Mahler, Brookline, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 4, 1946, Serial No. 651,695
5 Claims. (Cl. 88—29)

1. Apparatus for viewing pictures stereoscopically, said apparatus comprising light focusing means and a translucent split field polarizer spaced therefrom and adapted to polarize light when passed therethrough, said polarizer embodying a pair of adjoining polarizing fields whose polarization axes are disposed substantially normal to each other, said fields being divided by a plane passing substantially along the optical axis of the focusing means, and said focusing means having curved surfaces such as to cause the light rays from the respective polarizing fields to emerge from the focusing means as a pair of beams of polarized light with one of said beams being in diverging relation to the other beam, whereby when a film embodying a pair of superimposed light polarizing images in offset relation and having their polarizing axis substantially normal with each other and their respective axes parallel with the axis of polarization of the respective fields of the polarizer is posi-

tioned adjacent the focusing means and is viewed by an observer having one eye in the path of one of said respective beams of polarized light and the



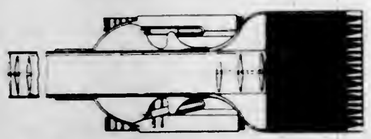
other eye in the path of the other of said beams at a location along said beams not traversed by the other beam, the said images will appear as a stereoscopic picture.

2,574,187
LOADING APPLIANCE

Rudolf Milik, London, England, assignor to Milik Conveyors Limited, London, England, a British company

Original application April 6, 1945, Serial No. 586,886. Divided and this application July 30, 1947, Serial No. 764,815. In Great Britain December 13, 1944

Section 1, Public Law 690, August 8, 1946
Patent expires December 13, 1964
3 Claims. (Cl. 198—9)



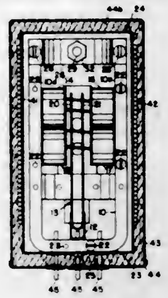
1. A mobile shovelling and loading machine comprising a framework, a series of rotatable parallel intermeshing cylindrical screws mounted in said framework, some of said screws having forwardly extending screw-like tapered points, means for driving all of the screws in the same direction of rotation at the same angular speed, said intermeshing screws being rotatably mounted on said framework with their axes of rotation parallel to the normal longitudinal direction of movement of the machine and also normally inclined to the horizontal at an angle substantially equal to one half of the included angle of the tapered point of a screw, thereby constituting an inclined multi-screw conveyor-like bed serving to engage and convey rearwardly any loose material bearing upon it.

2,574,188
TUNING FORK STRUCTURE

Joseph J. Murray, Jr., Garland, Tex., assignor to Varo Mfg. Co., Inc., Garland, Tex., a corporation of Texas

Application August 15, 1950, Serial No. 179,467
8 Claims. (Cl. 171—209)

1. In combination: a substantially U-shaped supporting means comprising a pair of U-shaped supporting members, each of said supporting members having a pair of parallel portions and a bight portion perpendicular to and connecting said parallel portions; a tuning fork disposed between and parallel to said parallel portions; driving means and pick-up means for said tuning



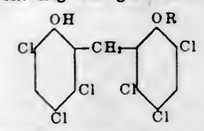
fork mounted on said parallel portions; and means connected to said parallel portions of said supporting means for varying the distance between said parallel portions to vary the distance between said tuning fork and said driving means and pick-up means.

2,574,189
ETHERS OF POLYCHLORO DIPHENYL METHANE

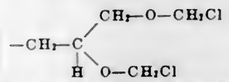
David M. Musser, Fair Lawn, N. J., assignor to Pacific Mills, Boston, Mass., a corporation of Massachusetts

No Drawing. Original application August 31, 1946, Serial No. 694,422. Divided and this application December 23, 1950, Serial No. 202,570
4 Claims. (Cl. 260—613)

1. Hydrophilic and bacteriostatic compounds of the group having the general formula



wherein R represents one of the group of radicals consisting of $-CH_2-CHOH-CH_2-O-CH_2Cl$, and



2. The method for the preparation of a derivative of chlorinated diphenyl methane which comprises reacting monochlorglycerine with 2,2'-dihydroxy 3,5,6,3',5',6'-hexachlorodiphenylmethane in the presence of metallic sodium and thereafter reacting with paraformaldehyde and gaseous hydrochloric acid.

2,574,190
TURBINE APPARATUS

Winston R. New, Springfield, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application July 30, 1946, Serial No. 687,178
2 Claims. (Cl. 253—39.15)

1. In an aviation gas turbine power plant, a thin-walled casing having small thermal capacity per unit of area; a turbine rotor in said casing mounted for close running clearance relative

thereto at a limited region thereof, said rotor having large thermal capacity per unit of area compared to said casing, and said casing and rotor being subject to temperature changes causing expansion and contraction thereof; wall structure associated with said casing at the region thereof of close running clearance and defining therewith an annular chamber encompassing

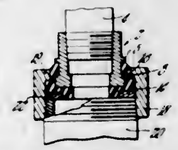


said region of close running clearance; and a mass of fusible heat-treating salt disposed in said chamber and adapted to fuse during normal operation of the turbine and to operate as a heat source, when the power plant is being shut down, to retain the casing at the region of close running clearance at a temperature close to that of the turbine rotor.

2,574,191
COUPLING DEVICE

George E. Platzer, Springfield, Mass., assignor of one-half to B. C. Daying, Detroit, Mich.

Application October 6, 1949, Serial No. 119,874
1 Claim. (Cl. 285—16)

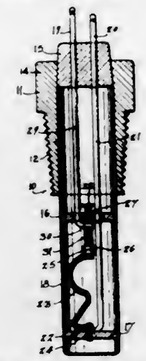


A device for coupling and insulating pipes comprising in combination, a unitary coupling member and insulating member, said coupling including an elongated metallic coupling body for connection to a pipe having a longitudinal bore therethrough and provided with a radially outwardly extending annular flange at its lower end and a radially extending annular bead spaced upwardly therefrom intermediate upper and lower ends of said body, said insulating member including a bushing moulded from dielectric material about the lower portion of said coupling member so as to be integral therewith and having an inwardly extending portion tightly embracing the coupling member between the lower flange and upper bead thereof and a radially outwardly extending annular flange intermediate upper and lower portions thereof forming an upper shoulder thereabove extending radially outwardly from a neck portion, a lower portion of said bushing continuing radially inwardly from said flange below the lower end of said coupling member and provided with an axially extending tubular part extending downwardly therefrom having an outer diameter less than that of the flange of said bushing forming a lower shoulder below said flange, a tubular nut surrounding said flange of the bushing having an upper flange extending radially inwardly embracing the neck and overlying the upper shoulder of said bushing, said nut at its lower end provided with internal threads for the threaded end of a pipe, and a yieldably sealing washer tightly embracing the tubular part at the lower end of said bushing and disposed on the lower shoulder thereof for engagement by the end of a pipe in the lower threaded end of said nut.

2,574,192
SAFETY SWITCH FOR LIQUID COOLED ENGINES

Leo Samuel, Somerville, N. J.

Application October 26, 1949, Serial No. 123,749
5 Claims. (Cl. 200—138)



1. Switch means for a safety switch having an externally threaded tubular main shell for mounting through the wall of the water jacket of a liquid cooled engine with the outer end of the shell closed by an insulation member and its inner end closed by a cup-shaped member of high heat conductive material, spaced insulation discs mounted across the interior of the cup-shaped member, spaced parallel conductor rods mounted eccentrically through the insulation member and the one insulation disc adjacent the insulation member, one of said rods having a right angularly bent foot portion on its inner end secured to the adjacent face of the other insulation disc, a right angularly bent foot portion formed on the inner end of the other of said rods closely adjacent the face of the said one insulation disc facing the said other insulation disc, a contact slidably mounted on the foot portion of the said other rod to move axially toward and away from the foot portion of the said one rod, an elongated heat sensitive element having one end secured to the foot portion of said one rod with its other end bent to engage said contact so that as said element becomes heated its said other end moves away from said contact, means resiliently urging said contact to follow movements of the said other end of said element, means limiting the action of said resilient means so that the said other end of said element moves away from said contact when excessive temperatures cause excessive movement of the said other end of said element.

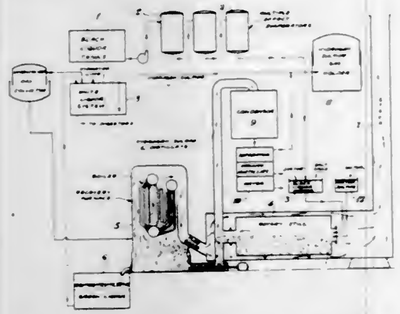
2,574,193
CHEMICAL RECOVERY AND CONTROL IN THE KRAFT PULP PROCESS

Walter L. Savell, Westport, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application December 6, 1947, Serial No. 790,052
6 Claims. (Cl. 252—183)

1. The method of regenerating soda pulp cooking liquor which comprises concentrating used cooking liquor by evaporation, adding salt cake to the concentrated liquor, heating the salt cake containing concentrated liquor and destructively distilling and carbonizing said liquor with flue gases while preventing exposure of said liquor to said gases to obtain a distillate and a substantially carbonized residue from said concentrated liquor, separating hydrogen sulfide from the dis-

tillate, burning said residue to form a melt of inorganic salts and dissolving the inorganic salts in aqueous solution, causticizing the inorganic



salt solution and absorbing in said causticized solution hydrogen sulfide obtained by destructively distilling said cooking liquor.

2,574,194

IRONING BOARD STAND ATTACHMENT

Selig A. Schlags, Brooklyn, N. Y.

Application November 27, 1948, Serial No. 62,359
4 Claims. (Cl. 38—125)



1. A device of the class described, comprising a plate for attachment to the underside of an ironing board slightly inward of the butt end thereof, an elongated member pivotally attached at one end to said plate, said elongated member being of a length greater than the distance between the point of pivotal attachment of the said one end of said elongated member and the butt end of the ironing board so that the free end of said member will project beyond the butt end of the ironing board with said elongated member pivoted to a position extended parallel to the length of said board, and means on said plate and engaging said elongated member for retaining said elongated member in a position with its length extended parallel to the ironing board, said elongated member being of U-shape, and a strap struck from said plate forming a passageway through which the intermediate arm of said U-shaped elongated member passes forming the pivotal attachment of said member on said plate.

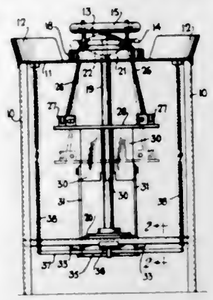
2,574,195

APPARATUS TO EXPAND AND MOUNT SOLID RESILIENT TIRES ON CHANNELLED WHEELS OR RIMS

Robert L. Sherrick, Akron, Ohio

Application February 27, 1946, Serial No. 650,411
2 Claims. (Cl. 157—1.1)

1. In a device of the character described the combination of a table having a plurality of spaced openings in the top thereof, a wheel support on the top of said table and having a plurality of radial slots disposed outwardly of the grooved rim portion of a wheel thereon, said slots being in vertical alignment with said openings, a finger extending through each alined opening and slot and adapted to support above a wheel on said wheel support an endless elastic tire upon the upper end portions of the fingers by engagement with the inner circumference of said tire, the outer periphery of said rim portion being of greater diameter than the inner periphery of said tire both before and after the



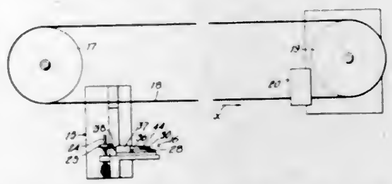
tire is mounted on said rim, said fingers inclining toward the axis of said wheel support at all times and bearing against the inner ends of the radial slots therein, means for moving the fingers and tire downwardly while the inner ends of said slots act as fulcrums for the fingers to move the latter outwardly and stretch the tire circumferentially until the latter is in circumscribing relation to the wheel, said downward movement carrying the upper ends of said fingers below the top face of said wheel support whereby said fingers are withdrawn from engagement with the tire and the latter snaps into the groove of said rim.

2,574,196

MACHINE FOR AUTOMATICALLY PACKAGING CONVEYER SUPPORTED PRODUCTS

Nathan L. Solomon, Englewood, Alvin E. Anderson, Oradell, and William F. Feyrer, Englewood, N. J., assignors to Solo Products Corporation, a corporation of New Jersey

Application December 7, 1944, Serial No. 567,084
8 Claims. (Cl. 163—8)



1. An apparatus for automatically counting and packaging predetermined number of products, a carrier having a plurality of products arranged at spaced intervals thereon, a mechanism arranged along the path of movement of said carrier for grouping a predetermined number of the products on the carrier and supporting the same in predetermined position with the carrier movable through said grouped products, said mechanism having means for supporting a receiver thereon, means for simultaneously removing all of the grouped products from the carrier and delivering the same into said receiver, automatically actuated means controlling the operation of said last named means, and said automatically actuated means comprising an electric eye control actuated upon completion of the grouping of a predetermined number of said products.

2,574,197

OPHTHALMIC LENS MOUNTING, INCLUDING FRAME ELEMENTS

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application December 26, 1947, Serial No. 793,909
2 Claims. (Cl. 88—41)



1. A lens supporting structure for the lenses of an ophthalmic mounting comprising a bridge having on its opposed sides means for connection with the nasal portion of said lenses and bar-like portions to follow the top contour of said lenses, said bar-like portions each terminating in an outwardly, rearwardly and downwardly extending end portion having an end surface as an abutment for the end of a temple and an inner side surface, said inner side surface having a relatively shallow recess therein communicating with said end surface, and a cylindrical bore extending inwardly of said inner side surface from adjacent the end surface and at an angle thereto, said cylindrical bore being disposed below and having a portion communicating with said shallow recess, and said portion having the cylindrical bore therein having a slot extending through the inner wall thereof and communicating with and extending longitudinally of the bore, the opposed walls of said slot being spaced apart a distance less than the diameter of the bore, and said end portion having a hinge member formed with a portion lying within and secured in said relatively shallow recess and having an angularly disposed portion extending within the cylindrical bore, and a lens strap member embodying an enlarged perforated ear portion adjacent one end thereof adapted to be secured to a side surface of a respective lens and having an angularly disposed portion adjacent its opposed end extending through the slotted wall and pivotally connected to the portion of the hinge member extending within the cylindrical bore for movement about an axis disposed substantially in the direction of the plane in which the lenses are to be supported and substantially normal to the walls of said slot extending through the inner surface of said end portion.

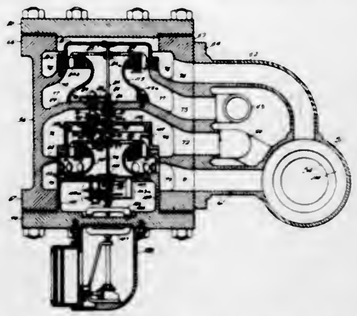
2,574,198

FLUID METER

Wilbur W. Stevenson, Pittsburgh, Pa.

Application July 8, 1944, Serial No. 544,008
10 Claims. (Cl. 73—197)

1. In a fluid meter for measuring the flow of a fluid through a conduit, the combination comprising, means providing a restricted cross sectional area in the conduit forming a fixed orifice therein, valve means disposed in the conduit downstream from the fixed orifice, the valve means cooperating with the conduit to provide a variable orifice having a minimum open position and being operable to a predetermined wider open position, the variable orifice being normally retained in its minimum open position, a rotor housing having a plurality of fluid circuits therethrough, one disposed in parallel relation with each orifice, a meter rotor operably inserted in each of the fluid circuits, an integrator, means operably connecting the meter rotors for driving the integrator, the variable orifice being at its minimum open position at or below a predetermined rate of



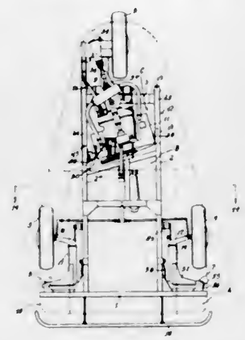
flow of fluid therethrough and being operable towards the predetermined wider open position at a rate of flow therethrough greater than said predetermined rate, and an over-riding clutch disposed in the connection between the meter rotors for effectively disengaging the variable orifice meter rotor from the connecting drive of the integrator when the variable orifice is in said predetermined wider open position whereby the integrator is driven by only the fixed orifice meter rotor while the variable orifice meter rotor is so disengaged from the drive.

2,574,199

THREE-WHEEL AUTOMOTIVE VEHICLE

William S. Tandler, Ferdinand A. de Weiss, David S. Walker, and John L. Frering, New York, N. Y., assignors to Industrial Scientific Company, New York, N. Y.

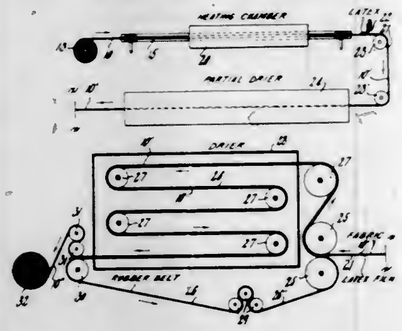
Application March 1, 1946, Serial No. 651,216
4 Claims. (Cl. 180—25)



1. In a three-wheel automotive delivery vehicle an understructure mainly consisting of two longitudinal parallel side beams of unequal length, a frontal vehicle body supported on said understructure, a cradle composed of two parallel longitudinal side beams and reinforced by a cross

piece supported by the rear end of said understructure side beams, a power unit supported on said cradle, said power unit including a driving engine, a rear-end portion and a driven wheel, means to support said wheel in said rear-end portion and transmission means operatively connecting said engine and said rear wheel, said power unit being supported on said cradle with its longitudinal center axis forming an acute angle with the longitudinal vehicle axis and said angle extending in a substantially horizontal plane.

2,574,200
METHOD OF MAKING STRETCHABLE WOVEN FABRICS
Merwyn C. Teague, Sparta, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 23, 1950, Serial No. 163,729
9 Claims. (Cl. 28—74)



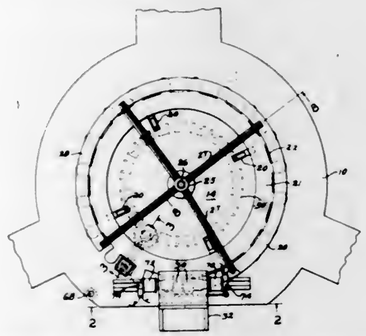
1. The method of making a two-way stretch fabric formed of a non-elastic woven sheet having a rubber backing secured thereto, which comprises weaving in the fabric heat-shrinkable weft yarns, heating the fabric so as to cause these yarns to contract the fabric weft-wise, applying a film of tacky rubber to one face of the shrunken fabric and employing this tacky film to bond the fabric to a longitudinally stretched rubber belt, then allowing this belt to contract to shrink the fabric warp wise, heating the transversely and longitudinally contracted fabric to dry the tacky film, and removing this fabric from the rubber belt.

2,574,201
MATCH BOOK
Myron S. Teller, Kingston, N. Y.
Application August 31, 1949, Serial No. 113,421
3 Claims. (Cl. 206—29)



2. A match book comprising a package of matches and a cover therefor, the cover being a generally rectangular sheet having generally rectangular front and back panels and a portion connecting the same, said sheet being flexible so that the panels may be relatively folded into substantial parallelism to form a match book of conventional form, or folded into a common plane, the match package being secured to the free end of the back panel and the front panel being incised to provide a tongue adapted to be deflected from the plane of the panel upon the application of slight pressure, said tongue extending longitudinally of the front panel and joining the panel along a base or hinge line within the panel and adjacent the outer end of the panel, the front panel being also transversely incised along said base or hinge line, on each side of said tongue, and longitudinally incised, on each side of the tongue, said longitudinal incisions being relatively short and intersecting the transverse incisions and the transverse incisions intersecting, respectively, those incisions which define the longitudinally extending edges of the tongue adjacent the base thereof.

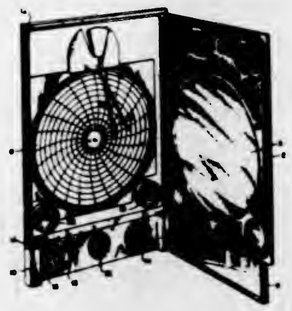
2,574,202
STAPLING APPARATUS
Joseph W. Wiegner, Edward T. Gilda, and John H. Klasey, St. Louis, and Brady E. Barnes, Jennings, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application December 12, 1947, Serial No. 791,380
12 Claims. (Cl. 1—13)



1. Stapling apparatus comprising a base having a pivot post, a table centrally journalled on said post, circular structure on said table forming work receiving pockets, a stapling machine mounted adjacent said structure, a pressure plate supported on said post above said structure, a power drive for rotating said table to move said pockets, successively, into operative alignment with said machine, and a device mounted in position to be actuated by a work unit moved into alignment with said stapling machine for initiating operation of said machine to drive a staple.

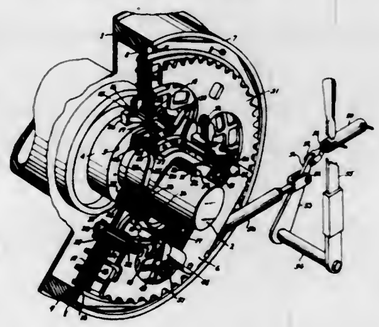
2,574,203
INSTRUMENT CASING FOR MEASURING AND CONTROLLING APPARATUS
Walter P. Wills, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 31, 1947, Serial No. 751,522
2 Claims. (Cl. 73—431)

1. In combination, a casing formed with a doorway, a door normally closing said doorway but movable to open the latter, said door having a part extending beyond one side of said casing, and a panel arranged exterior of said casing but positioned adjacent said one side thereof, said panel having a recessed portion on which manually actuable adjustment devices may be arranged, said recessed portion having substantially



the dimensions of said part of the door extending beyond one side of the casing, said panel being so positioned with respect to said casing that the door part extending beyond the casing is received in said recessed portion when the door is closed so that the devices which may be mounted on the panel are covered and made inaccessible.

2,574,204
CAM OPERATED CLUTCH
Wayland B. Woody and Stuart E. Corry, Tulsa, Okla., assignors to Franks Manufacturing Corporation, Tulsa, Okla., a corporation of Oklahoma
Application December 20, 1945, Serial No. 636,118
3 Claims. (Cl. 192—93)



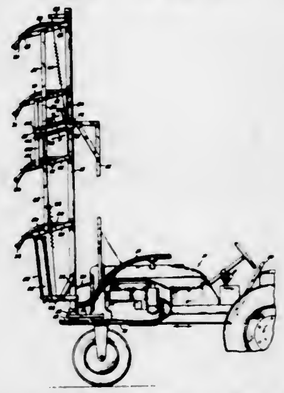
1. In combination with a clutch rotatably mounted on a stationary shaft, a clutch shifting mechanism, comprising, a cylinder rotatable on said shaft, a clutch shifting member rotatable about said cylinder and having pivoted connection to said clutch for effecting engagement and disengagement of said clutch in response to movements of said clutch shifting member longitudinally of said cylinder, cam means carried by said cylinder and engageable with said clutch shifting member to produce said longitudinal movements of the latter in response to rotation of said cylinder, means for rotating said cylinder, and means connected to said clutch shifting member and arranged to oppose the rotational torque developed therein by said rotation of said cylinder.

2,574,205
FIXTURE HANGER
Francis H. Blumenthal, Los Angeles, Calif., assignor to West Coast Fittings Co., Los Angeles, Calif., a corporation of California
Application August 9, 1948, Serial No. 43,277
2 Claims. (Cl. 4—170)



1. In a support for a cast iron type of basin or the like, comprising two socket members for reception of complementary hanging lugs, conventionally provided in such forms of basins, the improvement comprising said socket members being formed with spaced cut-out portions defining intermediate tongues projecting laterally from said support for engagement in complementary recesses conventionally formed in porcelain type basins.

2,574,206
SPRAY BOOM DEVICE
Leander Browning, Greenwood, Ind.
Application July 16, 1947, Serial No. 761,215
7 Claims. (Cl. 299—37)



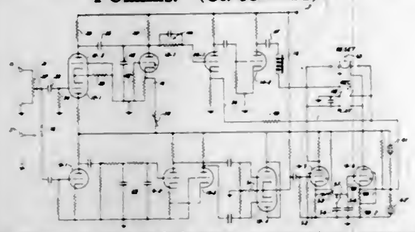
1. In combination, a hollow mast, a plurality of nozzles supported upon said mast at separate levels for movement in vertical planes relative to said mast, means for supplying fluent material under pressure to the interior of said mast, each of said nozzles having communication with the interior of said mast, a reciprocating fluid motor supported adjacent said mast and operatively connected to shift said nozzles in said planes, spring means resisting upward movement of said nozzles, other spring means resisting downward movement of said nozzles, an element supported from said mast to swing in an arc in synchronism with said nozzles, means providing an operative connection between said element and said nozzles, anchorage means connecting each of said spring means with said element, said anchorage means for said respective spring means being independently movable relative to said element toward and away from the center of such arc to vary the resistive effect of said respective spring means upon said nozzles as said nozzles pass through an intermediate position, and means for supplying fluid under pressure to said motor.

2,574,207

MAGNETIC RECORDING AND REPRODUCING

Dean R. Christian, Medina, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application May 23, 1947, Serial No. 750,006
4 Claims. (Cl. 332—14)



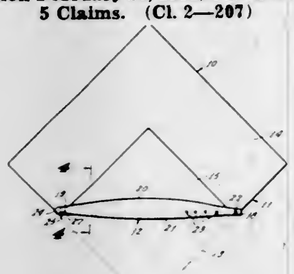
1. Frequency-modulating apparatus comprising a free-running relaxation oscillator having a capacitor connected in series with a charging resistor across a source of unidirectional voltage, and a gas discharge tube connected across said capacitor, whereby said capacitor charges through said resistor until the breakdown voltage of said tube is reached whereupon said tube becomes conducting to discharge said capacitor which thereupon is recharged to repeat the cycle to produce a carrier wave having a frequency determined by said capacitor, said resistor, and said gas tube; and means for modulating the carrier-wave output of said oscillator in accordance with a modulating signal, comprising a modulating vacuum tube having its anode-cathode circuit coupled across said capacitor, and having its control grid excited by said modulating signal.

2,574,208

HEAD COVERING

Arlis L. Crowthers, North Hollywood, Calif.

Application February 27, 1951, Serial No. 212,987
5 Claims. (Cl. 2—207)



3. In combination with an elongate flat headband having fastening means at the ends thereof for securing the band about the head of a wearer, said fastening means including a loop at one end of said headband and adapted to receive the other end therethrough, of a scarf having an edge, and means securing the central portion of said headband to said edge of said scarf, the opposite end portions of said headband being free of said scarf, said means securing said scarf to said headband adjacent one longitudinal edge of the latter.

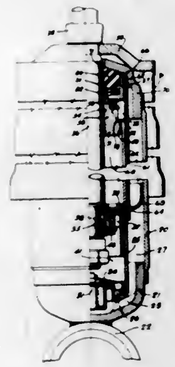
2,574,209

ROD PACKING FOR SHOCK ABSORBERS

Mearick Funkhouser, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 17, 1948, Serial No. 15,295
2 Claims. (Cl. 188—100)

1. A device providing a rod guide, stuffing box and centralizing closure member for the two concentric inner and outer tubes of a direct acting hydraulic shock absorber said device consisting of a centrally apertured plug through which a rod may slidably extend, said plug having one portion thereof adapted telescopically to extend into the inner tube to form a closure therefor and another cylindrical portion forming a packing box; a packing in said box encircling the rod and



engaging the inner wall of the box; a centrally apertured cap fitting upon the cylindrical portion of the plug said cap having a flared cylindrical skirt surrounding the said cylindrical extension and adapted to be telescopically secured to the outer tube to hold the inner and outer tubes in concentricity; and resilient means in the box, urging the packing into sealing engagement with the rod, the cap and the interior wall of the box.

2,574,210

METHOD OF PREPARING A HYDROPHILIC CELLULOSE GEL

Jaime Jose Francisco Guardiola-Aragonès, Geneva, Switzerland, assignor to Anglo-International Industries Ltd., Tangier, Morocco

No Drawing. Application December 30, 1947, Serial No. 794,783. In Belgium July 26, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 26, 1963
6 Claims. (Cl. 260—233)

1. A method of preparing a hydrophilic cellulose gel comprising the steps of treating fibrous cellulose material with an alkaline solution of about 18 to 40% concentration, in a proportion of one part by weight of cellulose to at least 3 parts and not substantially more than 10 parts by volume of alkaline solution, at a temperature below about 20° C., removing water in excess of 35 to 45% of the mass, heating the resulting mixture to a temperature of about 40 to 70° C. under elevated pressure and maintaining said elevated temperatures and pressures for a period sufficient to obtain a depolymerized cellulosic gel which does not regenerate the fibrous structure.

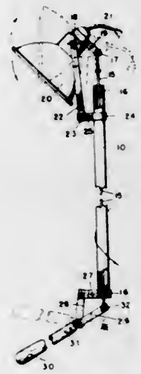
2,574,211

DIRIGIBLE FLOODLIGHT

Lonnie B. Hill, Enid, Okla.

Application February 24, 1948, Serial No. 10,441
2 Claims. (Cl. 240—61.13)

2. A floodlight adapted for illuminating a relatively wide area in the immediate vicinity of said floodlight which comprises in combination a floodlamp which consists of a reflector and a neck into which electrical connections are recessed and which is attached as hereinafter described to a supporting shaft; a long tubular supporting shaft; a single continuous push rod extending centrally throughout the entire length of said supporting shaft and beyond the ends thereof; a light bracket consisting of a collar firmly attached to the rear of said floodlamp and of flanges pivotally attached to the upper end of said push rod; a first shaft bracket consisting of flanges and a shaft-encircling collar firmly attached to the upper end of said shaft with said flanges forward of said shaft; a Y-shaped



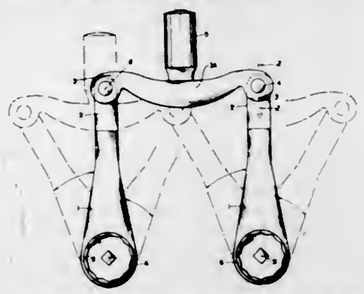
yoke, the stem of which is pivotally attached to the outer tips of the flanges of said first shaft bracket and the arms of which are pivotally attached to opposite sides of said floodlamp intermediate the connection of the light bracket thereto and the reflector thereof; a second shaft bracket consisting of flanges and a shaft-encircling collar firmly attached to the lower end of said supporting shaft with said flanges forward of said shaft; a link pivotally connected at one end with the flanges of said second shaft bracket; and a handle pivotally connected intermediate the ends thereof to said link and at one end thereof to the lower end of said push rod, the free end of said handle extending forward of said shaft below the reflector of said floodlamp.

2,574,212

PARALLEL SHANK DUAL SOCKET WRENCH

Philip L. Huss, La Belle, Fla.

Application June 7, 1950, Serial No. 166,570
2 Claims. (Cl. 81—53)



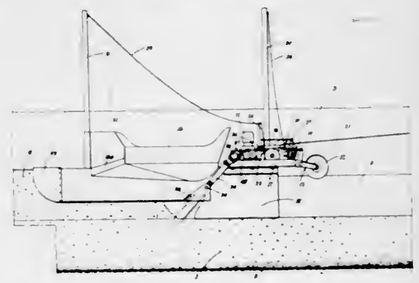
2. In a device of the character and for the purpose described, the combination with a pair of parallel arms terminating at corresponding ends thereof in a corresponding pair of fastening-engaging sockets and means to control the directional rotation of said sockets, of a yoke pivoted at each end thereof to one end of each of said arms opposite to said sockets, said yoke being bowed downwardly in the mid-portion thereof to form a hand-accommodating space and a handle secured to said yoke at said mid-portion, said yoke being formed of a pair of parallel plates defining at each end thereof a bearing for the reception of the end portions of said arms in pivotable connection therewith.

2,574,213

MACHINE FOR FORMING THE UPPER SEGMENT OF IN-PLACE CONCRETE PIPE

Oscar E. Jerner, Turlock, Calif.

Application February 27, 1950, Serial No. 146,521
5 Claims. (Cl. 25—32)



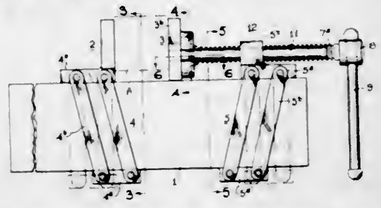
1. A machine for forming the upper segment of in-place concrete pipe in a pre-dug trench, comprising a longitudinal transversely arched inside form, means adapted to support the inside form from an in-place lower segment of the pipe, a longitudinal transversely arched outside form spaced from the inside form, a hopper on and opening through the top of the outside form, and means adapted to support the outside form from and for advance along the inside form while maintaining said spacing, the supporting means including transversely spaced supporting members at the front of the outside form riding the inside form, a separate supporting member riding the inside form below the hopper, and a mounting bar intersecting the hopper, said separate member being a shoe secured in connection with the mounting bar.

2,574,214

STRAIGHT BEAM ADJUSTABLE JAW CLAMP AND SPREADER

Sidney William Jordan, Sheffield Lake, Ohio

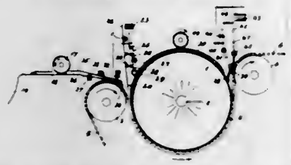
Application March 22, 1948, Serial No. 16,204
1 Claim. (Cl. 144—303)



In mechanism of the class described, the combination of an elongated support, separate de-

vices separately adjustably mounted on said support, each device consisting of a pair of pressure members movably related to the upper and lower faces of said support and arranged to frictionally engage said faces, pairs of links interconnecting said pressure members at opposite sides thereof, said links being of equal length and having a length greater than the spacing of said faces to permit movement of one pressure member into offset relation to the other pressure member and in engagement with the adjacent face, a work engaging member connected to one of said upper face engaging pressure members, a work engaging member in opposed relation to said first mentioned work engaging member, a cross member connected to the other upper face engaging pressure member and formed with a screw threaded opening and guide openings at opposite sides of said screw threaded opening, said last mentioned work engaging member consisting of a main member and an auxiliary member removably engaging said main member, said auxiliary member being provided with rearwardly extending rods slidable endwise in said guide openings, and a feed screw extending through said screw threaded opening and connected at its inner end to said main member.

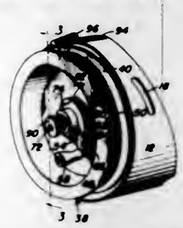
2,574,215
AUTOMATIC PHOTOPRINTING AND DEVELOPING APPARATUS
Vilmos Kunstädter, Budapest, Hungary
Application July 15, 1947, Serial No. 761,138
In Hungary May 9, 1947
4 Claims. (Cl. 95—77.5)



1. In an apparatus for photo-printing and developing, the combination of a stationary cylindrical drum having at least a lower portion thereof transparent with a light source disposed within the same; a plurality of rollers rotatably mounted at the feeding and delivery sides of the drum; an endless belt enveloping the rollers and extending slidably about the transparent lower portion of said drum; a pendant separating member pivotally mounted intermediate the cylindrical drum and one roller disposed at the delivery side of the latter; resilient means effective to rock the pendant separating member away from said drum toward said one roller upon the advance end of a print reaching said roller from between said belt and said drum and thereby causing the print to be separated from a negative fed with said print about the transparent portion of said drum; and electro-magnetic means for rocking said pendant separating member toward said drum when said electro-magnetic means becomes energized in response to the termination of the print issuing from between said drum and said one roller.

2,574,216
FISH REEL
Clarence G. Lindgren, Yakima, Wash.
Application November 5, 1948, Serial No. 58,385
4 Claims. (Cl. 242—106)

1. A reel assembly comprising a casing having means whereby the same may be attached to a user's belt, a centrally disposed spindle attached to and projecting from a portion of said casing, a reel mounted freely for rotation on said spindle and operating in said casing, a first brake disk fixed to the central portion of said reel and encircling said spindle, a bearing retainer encircling said spindle and having a lateral annular flange, an outer ball bearing race fitting in said retainer within the encompassing limits of said flange, a sleeve adjustably encircling said spindle, said sleeve having a peripheral flange thereon, an inner ball bearing race surrounding



said sleeve and in concentric spaced relation within the inner peripheral limits of said first named race, ball bearings interposed between the respective races, a second brake disk opposed to and contacting said first named brake disk and encircling said spindle, said second named brake disk being located between said bearing retainer and said first named brake means and being provided with handle means, and manually regulable adjustable means adjustably mounted on said spindle and serving to exert axial pressure against said sleeve, races, bearing retainer and second named brake disk.

2,574,217
DENTIST'S MIRROR
Stanley F. Lundgren, Minneapolis, and Robert A. Olsen, Excelsior, Minn.; said Olsen assignor to said Lundgren
Application May 6, 1950, Serial No. 160,444
4 Claims. (Cl. 32—69)

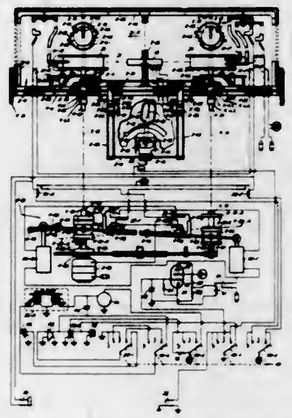


1. A dental mirror unit comprising a central reflective mirror element, a pair of wing members respectively fixed at the sides of said mirror element and extending rearwardly therefrom, the bottom portion of said mirror element being concavely recessed to facilitate optimum positioning thereof within a patient's mouth and permit easy protective positioning of said wing members on each side of the row of teeth being examined, and a handle fixed to one of said wing members and extending rearwardly therefrom.

2,574,218
MAGNETIC RECORDER WITH AUTOMATIC TIME DELAY BETWEEN REVERSALS OF RECORD TRANSPORT SYSTEM
Thomas E. Lynch, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application January 31, 1946, Serial No. 644,598
1 Claim. (Cl. 179—100.2)

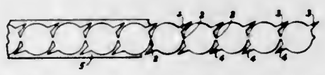
In a magnetic record transducing apparatus: a long magnetic record member; transducer

means in magnetic flux linkage relationship with said record member; two rotatably mounted reels for storing the said record member; means for driving said reels and said record member in forward and reverse directions; forward control means for controlling said driving means to cause said reels and said record member to be driven in the forward direction; reverse control means for controlling said driving means to cause said reels and record member to be driven in the reverse direction; interlocking means interlocking said forward control means with said reverse control means; first and second brake means, one for each of said two reels, for braking



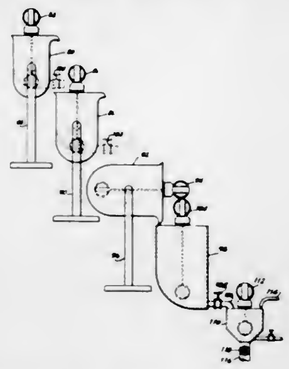
only the reel supplying the record member to the takeup reel; three-position switch means having forward and reverse positions with an intermediate condition inbetween; electrical time delay means connected to said switch means and connected to said interlocking means and connected to said forward and reverse control means to block the application of reverse driving forces to the supply reel when said reels are moving in the forward direction and to block the application of forward driving forces to the takeup reel when said reels are moving in the reverse direction, said blocking actions being removed immediately upon said reels coming to a complete stop.

2,574,219
TACK STRIP
Lawrence A. Marsden, High Point, N. C.
Application April 17, 1950, Serial No. 156,426
2 Claims. (Cl. 85—17)



1. A tack strip comprising a series of diametrically alined, narrowly spaced circular tack heads integrally united by narrow relatively short neck sections, each head having integral therewith diametrically opposite downwardly directed prongs cut from the material of the strip substantially within the limits of the width of adjacent heads, each neck section connecting two adjacent tack heads being deformed to present a shallow V-groove which extends transversely across the neck section centrally thereof with one leg of the V integrally connected with one of the two adjacent tack heads, and the other leg of the V integrally connected with the other tack head, the apex of each V being directed downwardly and located below the plane of the peripheral edges of said heads, the sharp point at the apex of each V-groove constituting a line of weakness along which the corresponding neck may be easily broken in order to divide the tack strip into sections, each leg of the V of the broken neck section then constituting a short neck stub which is directed downwardly from the edge of the end tack head of each section and which forms an additional prong for said head.

2,574,220
APPARATUS FOR FROTHING RUBBERLIKE MATERIAL
John T. Marvin, Dayton, and George H. McFadden, Columbus, Ohio, assignors, by direct and meane assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application January 30, 1947, Serial No. 725,379, now Patent No. 2,475,191, dated July 5, 1949. Divided and this application June 4, 1949, Serial No. 97,216
3 Claims. (Cl. 259—64)



1. Apparatus for foaming latex, comprising in combination; at least three separate individually tiltable containers in cascade arrangement wherein the highest container is the smallest and each succeeding lower container is progressively larger, said containers being arranged and spaced so that upon tilting thereof, the contents will flow into the next lower container; at least three separate beaters, one of which is associated with and carried entirely by each container and adapted to tilt with the container as a unit, each beater being adapted to rotate at a speed greater than the preceding beater wherein the ratio of the first to the last beater is in the order of about 1 to 4 with an initial speed of about 100 R. P. M., and a storage tank larger than any of said containers and positioned below the last mentioned container in the cascade arrangement.

2,574,221
METHOD OF FORMING A MULTILAYERED MAT OF INTERCROSSED FILAMENTS
Piero Modigliani, Manhasset, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 16, 1946, Serial No. 654,828
5 Claims. (Cl. 154—99)

1. The method comprising forming a multilayer mat of intercrossed filaments, stretching

said mat, accumulating a second filamentary mat on said first mat with the filaments of said



second mat extending generally in the direction of stretch of said first mat, and adhesively securing the second mat to the first mat.

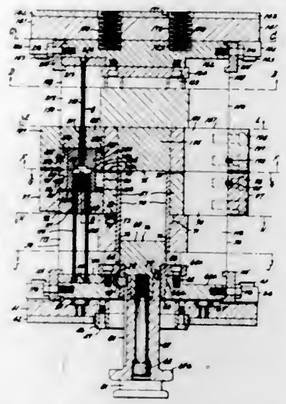
2,574,222
FACE GUARD RESTRAINING DEVICE
Albert Mueller, Kiester, Minn.
Application November 19, 1947, Serial No. 786,897
3 Claims. (Cl. 119—142)



1. For use with an animal halter to discourage butting of the animal, a cross bar member mounted on the halter for engagement with the head of the animal, said cross bar comprising an intermediate resilient pad, pointed projections mounted on said cross bar, at least one projection being arranged opposite the ends of said pad, said pad being of a thickness so that its inner animal-contacting surface portion projects beyond a plane passing through the pointed ends of said projections whereby normally the pointed ends of the projections are maintained out of contact with the head of the animal on which the halter is arranged, said pad being adapted to yield under pressure to present the pointed ends of said projections for engagement with the head of the animal.

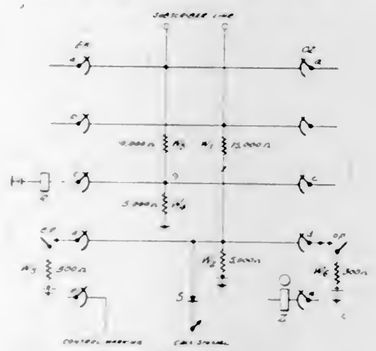
2,574,223
MOLD ASSEMBLY
Charles A. Nichols, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 29, 1947, Serial No. 788,943
9 Claims. (Cl. 18—42)

6. A pair of cooperating mold assemblies attachable to relatively movable main supporting plates, each mold assembly including a die block supported by each plate and spaced therefrom and having recesses extending in from side surfaces of the block, die assemblies in said recesses, means detachably secured to the sides of the die blocks for closing said recesses and securing the die assemblies therein, an ejector plate movable between each main plate and the die block, knock-out pin assemblies detachably secured to the ejector plates and including at least one pin extending into the die assemblies; means detachably secured to the side edges of the ejector plates for retaining the pin assemblies thereon, said die assemblies and pin assemblies being removable together from the mold assemblies when the detachable means are removed, an injection cylinder located in a central bore in one of the die blocks, runner grooves provided by the cylinder, the said one die block and die assemblies, an injection ram movable in the cylinder and guided by the ejector plate associated with said one die block, and means for connecting the ram either with a servomotor which causes the ram to move



for the purpose of injecting material in the cylinder when closed by the other mold assembly or with a servomotor which operates, when the mold assemblies are separated, to cause said connecting means to move the ejector plate in order to cause the knock-out pins to eject the molded parts.

2,574,224
CIRCUIT FOR MARKING A LINE AS BUSY
Roelof M. M. Oberman, The Hague, Netherlands
Application July 30, 1947, Serial No. 767,529
In the Netherlands September 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 3, 1965
10 Claims. (Cl. 179—16)

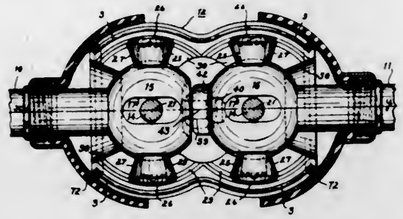


1. In an exchange for telecommunication having a final selector, in combination, a D. C. voltage source; two terminals of a subscriber's line; a first pair of resistances connected in series between one of said two terminals and one pole of said voltage source; a second pair of resistances connected in series between the other of said two terminals and the other pole of said voltage sources; a first arch and a second arch in the final selector; a connection between said first arch of the final selector and the junction of said first pair of resistances; a connection between said second arch of the final selector and the junction of said second pair of resistances; and a rectifying device connected to the junction of said second pair of resistances; said rectifying device connecting the junction of said second pair of resistances to a line finder starting device.

2,574,225
PROCESS FOR RENDERING METAL SURFACES ANTISEPTIC AND PRODUCTS THEREFROM
William F. Ringk, Newark, N. J., and Stanley K. Freeman, Brooklyn, N. Y., assignors to Benzol Products Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application July 28, 1948, Serial No. 41,182
22 Claims. (Cl. 204—38)

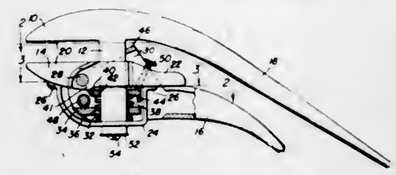
1. A process for coating metal which comprises, applying to a metal selected from the group consisting of aluminum, magnesium, tin, and zinc, an oxide coating of one of said metals corresponding to the metal treated and a quinolinol substance selected from the group consisting of 8-quinolinol, a salt thereof, a nuclear-substituted 8-quinolinol, a salt thereof, an azo 8-quinolinol derivative, and a salt thereof, and forming a compound between said oxide and said quinolinol substance thereby forming a bond between said metal, said oxide and said quinolinol substance.

2,574,226
CONSTANT VELOCITY UNIVERSAL JOINT
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 17, 1946, Serial No. 684,318
5 Claims. (Cl. 64—21)



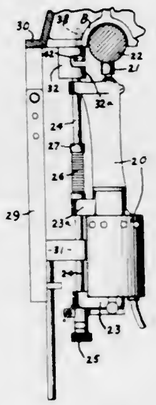
1. A constant velocity universal joint comprising: a driving shaft member and a driven shaft member each having on its connected end portion an axially aligned ball, a connecting block having two spaced spherical sockets for said balls whereby said shaft members are connected to said block by two spaced ball and socket joints, said balls each having opposed radially projecting trunnions whose axes all swing in the same plane, a conical roller rotatably mounted on each of said trunnions, the apices of said conical rollers being at the centers of their respective ball and socket joints, said block having corresponding conical cross sectional annular bearing races for said conical rollers, the parts being so arranged that torque is transmitted between said shaft members and said block thru the medium of said projecting trunnions and their rollers, and a pilot joint connecting the inner ends of said shaft members for causing the axes of said two shaft members to maintain approximately equal angles with the longitudinal axis of said block when said shaft members move out of alignment.

2,574,227
SHANK GRIP SLIDABLE JAW WRENCH
Walter Sarvie, Alexandria, Minn.
Application April 28, 1948, Serial No. 23,779
6 Claims. (Cl. 81—152)



1. A wrench having a handle with a shank and a fixed jaw thereon, a movable jaw slidably mounted on said shank for coaction with said fixed jaw, a latch plate having an aperture receiving said shank and having a pair of parallel sides terminating in sharp edges to grip said shank when tilted relative to said shank, a spring biasing the latch plate into a second position substantially perpendicular to said shank for easy sliding thereon, and a lever pivoted on said movable jaw and extending in spaced relation to said handle so that said handle and lever can be grasped by hand, said lever having a member rigidly secured thereon and engageable with said latch plate for tilting the same into shank-gripping position.

2,574,228
GRINDER SUPPORT ATTACHMENT FOR MAIN JOURNALS AND THE LIKE WITHOUT REMOVAL OF THE SHAFT
Eugene Sawyer, Benld, Ill.
Application June 3, 1948, Serial No. 30,784
2 Claims. (Cl. 51—241)



1. In a portable grinder support for attachment to a main journal bearing support of an engine; said grinder support being substantially C-shaped, one leg of the C having a hole therethrough to receive a threaded stud carried by the said bearing support, the other leg of the said C having a hole therethrough and having an

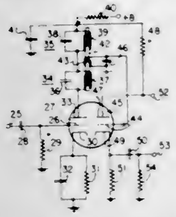
adjustment sleeve therein to receive a support shaft of the grinder, and means in the last said leg of the C for binding and holding the said sleeve and support shaft in fixed adjusted positions, said adjustment sleeve being an eccentric sleeve and being revolvable in the last said leg of the C to adjust the center axis of the said support shaft toward and away from the outer axis of the said main journal.

2,574,229

FLYWHEEL SYNCHRONIZATION SYSTEM

Kurt Schlesinger, Maywood, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois

Application November 14, 1947, Serial No. 785,867
18 Claims. (Cl. 250—27)



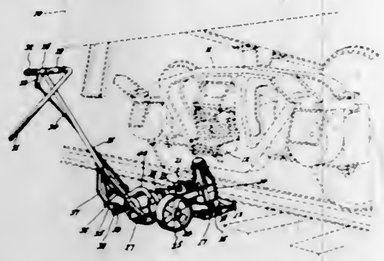
1. A synchronization system adapted to receive a first pulse wave and produce a second pulse wave having the same average frequency and in which irregularities in the occurrence of said pulses in said first wave do not produce similar irregularities in said pulses in said second wave comprising, means excited by said first pulse wave for producing a complex output wave including a sine wave of the frequency of said first pulse wave having an odd harmonic superimposed thereon so that said complex wave has sharp peaks occurring at the average frequency of said first pulse wave, said means being effective to produce said complex wave at reduced amplitude in the event said first pulse wave fails, means for clipping said sharp peaks from said complex wave, and means for biasing said clipping means so that pulses are produced when the amplitude of said signal is reduced.

2,574,230

MOBILE JACK

James D. Thress, Roanoke, Va., assignor to Charles M. O'Boyle, Wilmington, Del.

Application October 24, 1945, Serial No. 624,195
7 Claims. (Cl. 254—1)



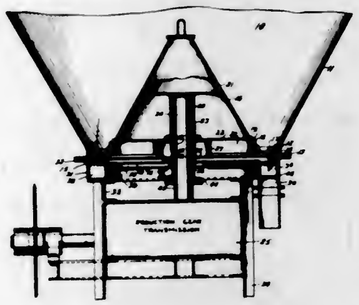
1. In a mobile jack, a frame, a single transverse axle carried by an intermediate portion of the frame, two wheels fitted upon said axle for movement of the frame from place to place, said axle also constituting a fulcrum about which the frame may be rocked in a substantially vertical direction, a jack carried by the forward portion of said frame, a reversible motor carried by the rear portion of said frame and coupled to drive said jack, a handle connected to the rear portion of said frame and having movable grips thereon for respectively controlling the forward and reverse gear of the motor and the introduction of active medium to said motor, the forward portion of the frame carrying said jack overbalancing the rear frame portion to cause said jack to automatically seek a position of rest when the weight of the operator is removed from said handle, said jack being so disposed in said frame that the rear portion of its base will first encounter the ground and form a fulcrum about which the base may rock to lift said wheels.

2,574,231

APPARATUS HAVING ROTATABLE MEANS FOR FEEDING AERATABLE POWDERED MATERIAL FROM STORAGE AND DISPENSING SUCH MATERIAL

Alfred D. Sinden, Aurora, Ill., assignor to Stephens-Adamson Mfg. Co., a corporation of Illinois

Application October 3, 1947, Serial No. 777,759
7 Claims. (Cl. 222—227)



1. In a device for taking aeratable material out of a bin, the combination of a bin having a bottom provided with an outlet, a circular bin discharger in said bin including a revolving cone and feeder fingers passing over said outlet, said cone having its axis vertically arranged and the cone being revoluble on such axis, and a feeder below said bin comprising an annular trough coaxial with said cone and having a portion arranged beneath said outlet to receive material passing therethrough, a plurality of relatively narrow spaced radial vanes each substantially coincident in size and shape to the cross-sectional area of said trough and arranged therein, and means for continuously rotating said vanes on said axis to move the material at a measured rate through the trough to a discharge spaced from said outlet.

2,574,232

COLLAPSIBLE GOLF BAG CARRIER

Lowell A. Welsh, Milford, Nebr.

Application May 9, 1950, Serial No. 160,880
6 Claims. (Cl. 280—42)

1. In a golf bag cart, the combination of a handle adapted for supporting a golf bag, a horizontal support on the handle, means slidably carried at the ends of the horizontal support, wheel supporting arms pivotally carried by said first named means for swinging inwardly and outwardly at opposite sides of the handle, spring means connected to said first named means holding the arms outwardly, and means locking said first named means with the arms held in either an inward or outward position.

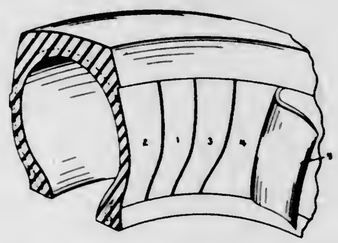


2,574,233

WHITE SIDE WALL TIRE

Ralph F. Wolf, Akron, Ohio

Application April 12, 1948, Serial No. 20,431
1 Claim. (Cl. 152—330)



A tire with a white sidewall, and between the sidewall and the carcass of the tire a thin layer of long-chain, synthetic, polymeric-amide plastic which has recurring amide groups as an integral part of said chain, said layer serving as a barrier to prevent discoloration of the sidewall by migration of discoloring material from the carcass.

2,574,234

METHOD FOR THE PREPARATION OF 1-ACETOXY-1,1-DICYANO ETHANE

Alan E. Ardis, Cuyahoga Falls, and Floyd D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 10, 1950, Serial No. 137,881
8 Claims. (Cl. 260—465.4)

1. The method which comprises passing reactants consisting of ketene and hydrogen cyanide in the vapor phase over a catalyst comprising an oxide of a metal having a valence greater than 1 and occurring in periods 2 to 4 of the periodic table, maintained at a temperature of from 200° C. to 550° C., whereupon chemical reaction occurs between the ketene and hydrogen cyanide to form 1-acetoxy-1,1-dicyano ethane.

2,574,235

METHOD FOR THE PREPARATION OF 1-ACETOXY-1,1-DICYANO ETHANE

Alan E. Ardis, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 10, 1950, Serial No. 137,882
5 Claims. (Cl. 260—465.4)

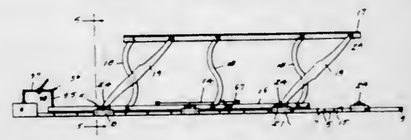
1. The method which comprises passing reactants consisting of ketene and hydrogen cyanide in the vapor phase over a catalyst comprising an unactivated carbon at a temperature of from 200° C. to 550° C., whereupon chemical reaction occurs between the ketene and hydrogen cyanide to form 1-acetoxy-1,1-dicyano ethane.

2,574,236

HOISTING APPARATUS

George R. Arner, Sr., Cornwells Heights, Pa.

Application February 8, 1946, Serial No. 646,259
1 Claim. (Cl. 254—91)



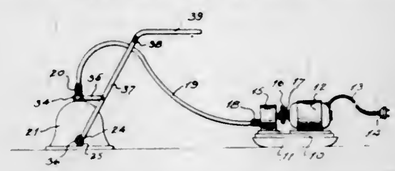
A hoist comprising an elongated frame forming a base, a trackway at either side of said base, a super-frame, a plurality of transversely extending rollers mounted in each of the trackways, a rail supported for longitudinal reciprocal movement upon the rollers in each of the trackways, a plurality of supporting arms each pivotally connected at one end with the sides of the super-frame and pivotally connected at its other end with one of the rails, brackets affixed to the base, stabilizing links pivotally interconnecting the brackets and the super-frame, and hydraulic means for reciprocating the rails.

2,574,237

HAND-GUIDED ROTARY EARTH-WORKING IMPLEMENT

Russell J. Barrow, Columbiana, Ohio, assignor of one-half to James R. Barrow, Columbiana, Ohio

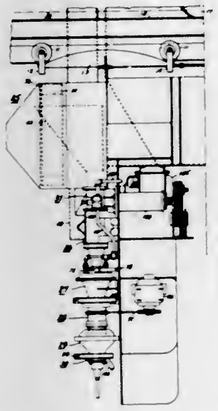
Application July 26, 1946, Serial No. 686,509
3 Claims. (Cl. 97—43)



1. In a hand garden tool, a rigid substantially bell shaped implement supporting hood, the rim of said hood resting on the earth and defining an area within which earth is to be worked, an arched earth working implement operably supported by and within the hood, said implement being mounted in the top of said hood to rotate about the vertical axis thereof in substantially concentric relation to a plant and being supported against vertical movement relative to said hood, means extending axially through the hood for rotating said implement, means outside of the hood and connected to the implement rotating

means for driving said implement, and a handle connected to the hood by which the hood and the implement may be bodily lifted and transported.

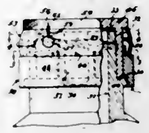
2,574,238
PLASTER MIXING MACHINE
Morris Bean and William S. Touchman, Yellow Springs, Ohio, and William C. Bruckman, Bergenfield, N. J., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 29, 1946, Serial No. 680,454
7 Claims. (Cl. 259—154)



1. In a plaster mixing machine, a rotatable fluffing wheel having angularly arranged blades at the periphery thereof for picking up plaster and carrying it to a position at the upper portion of the path of rotation of the wheel where it drops off the blades, a chute for receiving plaster which drops off the blades of the fluffing wheel, a chamber receiving fluffed plaster from the chute, a plaster metering wheel for feeding fluffed plaster from the chamber, a gear pump for metering and feeding water to be mixed with the metered plaster, means for driving both the plaster metering wheel and the gear pump from the same power source whereby both metering devices speed up or slow down together and the relative proportions of plaster and water remain the same, means for thoroughly mixing the metered plaster and water to form a slurry therefrom, a slurry chamber for receiving the slurry fom the mixing means, means for slowing down the driving means for the plaster metering wheel and the gear pump when the weight of slurry in the slurry chamber increases and for speeding up the driving means when the weight of slurry in the slurry chamber decreases, and means for feeding slurry from the slurry chamber.

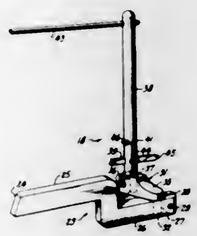
2,574,239
SCREW CAP WITH LOCKING MEANS
Lawrence S. Bell, Owings Mills, Md.
Application January 24, 1951, Serial No. 207,640
8 Claims. (Cl. 215—32)

1. A locking closure for containers comprising a container neck having an externally threaded outer end, said neck having an annular external enlargement adjacent its outer end defining an annular shoulder facing toward said externally threaded portion, a closure cap including an annular internally threaded portion threadedly connected to the externally threaded neck portion and a head defining an annular flange extending outwardly from said annular portion, a collar turnably supported on the annular enlargement of the neck and supported by the shoulder thereof and surrounding a part of the annular cap portion, a ring disposed around the annular portion of said cap between the collar and annular flange of the cap and rotatable relatively to the cap and collar, said annular enlargement of the neck having a groove opening outwardly of the shoulder thereof, said annular portion of the cap having a longitudinally extending recess opening at its lower end into the



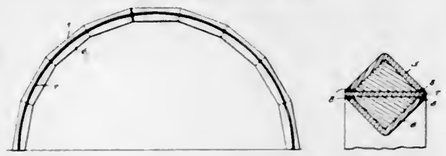
groove when the cap is in a fully applied position, a locking strip disposed in the recess of said annular cap portion between said annular cap portion and the collar and ring, said locking strip being displaceable downwardly into the groove of the shoulder, said shoulder groove having an end wall forming an abutment for the locking strip to prevent unscrewing of the cap from the neck when the locking strip is in engagement with said groove, said locking strip having an outwardly extending lip, and said ring having a cam strip projecting from its inner side to engage under said lip to displace the locking strip upwardly out of engagement with the groove when the ring is rotated to move the cam strip across the locking strip.

2,574,240
LATHE ATTACHMENT FOR CUTTING SPHERICAL SHAPES
Willard S. Blackinton, La Mesa, Calif.
Application June 13, 1947, Serial No. 754,544
2 Claims. (Cl. 82—12)



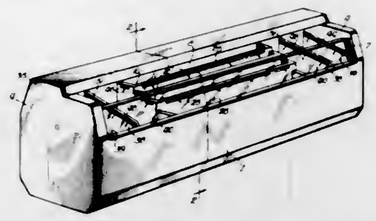
1. A device designed to be used in conjunction with a lathe comprising a frame, a radius arm pivotally mounted in one end of said frame, a tool post rotatably secured in said radius arm, and eccentrically positioned cylindrical boss providing the mounting means for said tool post, a tool bit mounted in said tool post and means associated with said tool post to cause the rotation of said tool post and its associated tool bit to permit successive cuts to be taken in a rotatably mounted work-piece.

2,574,241
TRUSS OR BEAM FOR METALLIC BUILDING STRUCTURES
Joseph S. Bobst, Milwaukee, Wis.
Application December 3, 1946, Serial No. 713,663
2 Claims. (Cl. 189—37)



1. A truss construction comprising an elongated longitudinally curved plate; a plurality of upper angle bar members overlying said plate and arranged longitudinally of said plate, said upper members being bowed transversely and having their opposite longitudinal edges rigidly secured to the opposite longitudinal edges of said plate, the longitudinal edges of said upper members being longitudinally curved concavely; and lower angle bar members respectively disposed opposite the upper bar members and underlying said plate, the lower members being transversely bowed in a direction opposite that in which the upper members are bowed transversely, said lower members having their respective opposite longitudinal side edges longitudinally and convexly curved and rigidly secured to said plate.

2,574,242
REFRIGERATED DISPLAY CASE
Edward F. Brill and Orval W. Schroeder, Milwaukee, Wis.
Application November 26, 1948, Serial No. 62,144
16 Claims. (Cl. 62—89.5)

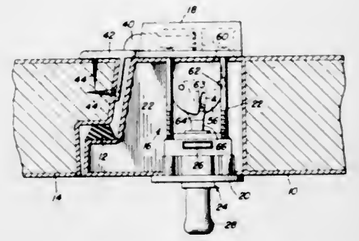


1. In a refrigerated display case, a cabinet having a front wall, a bottom wall, a back wall and end walls, a plurality of package containers positioned within said cabinet and extending lengthwise of the cabinet with the bottoms thereof spaced upwardly above the bottom wall of the cabinet to form a bottom space therebetween, said package containers having vertical spaces extending upwardly from said bottom space and between said containers; also upwardly from said bottom space and along the back of the rear container and the front of the front container, means for refrigerating and circulating air, means for directing the refrigerated air through said bottom space and upwardly through said vertical spaces, means for directing the refrigerated air forwardly from the tops of said vertical spaces over the tops of the packages in the respective containers, and means for directing the air directed forwardly over the tops of the packages to said refrigerating and circulating means for re-refrigerating and recirculating the air as set forth.

2,574,243
TREATMENT OF COLORED COLLOID LAYERS
Ronald Bernard Collins, Robert Charles Morris Smith, and Oliver Edmund Pratt, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application May 7, 1946, Serial No. 667,991. In Great Britain May 15, 1945
5 Claims. (Cl. 117—34)

1. Process for decolorizing a water-permeable colloid layer containing a water-insoluble dye complex formed between a dye and an uncoloured salt selected from the group consisting of (*a*) anion-active alkali metal, ammonium and amine salts of long chain sulphonic and sulphuric acids which contain an alkyl radical of at least 8 carbon atoms in the anion, and (*b*) cation-active alkyl substituted ammonium salts and quaternary salts of heterocyclic nitrogen compounds each of which contains a long chain alkyl radical of at least 8 carbon atoms in the cation, a basic dye being selected when the uncoloured salt is anion-active and an acid dye being selected when the uncoloured salt is cation-active, which comprises treating the layer with an aqueous solution of an uncoloured salt from group (*a*) when that present in the dye complex is from group (*b*), and from group (*b*) when that present in the dye complex is from group (*a*), and thereafter washing the layer with water.

2,574,244
REFRIGERATOR DOOR LATCH
Angelo Colonna, Wynnewood, Pa.
Application March 17, 1948, Serial No. 15,471
11 Claims. (Cl. 292—167)



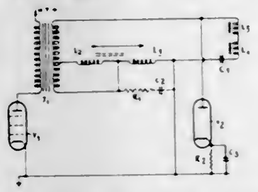
3. A latch construction comprising a face plate having an opening therein adapted to be disposed on the front of a door, a bolt case adapted to be disposed on the rear of the door, means fixing together said plate and said case in spaced relation with respect to each other, a pair of substantially parallel plates fixed to said case and extending toward said face plate, said parallel plates having slots therein, a bolt disposed in said bolt case, a crank pivoted to said parallel plates intermediate its ends and pivoted at one end to said bolt, a link pivoted to the opposite end of said crank, means carried by said link and operable in said slots guiding the movement of said link, and a part of said link slidingly contacting said handle whereby movement of said handle is transferred to said link to operate said bolt through pivotal movement of said crank, and means reacting on said bolt opposing the retraction thereof.

2,574,245

APPARATUS INCORPORATING A CATHODE-RAY DEVICE, PARTICULARLY TELEVISION RECEIVERS

Patrick Richard James Court, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company

Application September 14, 1949, Serial No. 115,696
In Great Britain September 17, 1948
8 Claims. (Cl. 315—27)



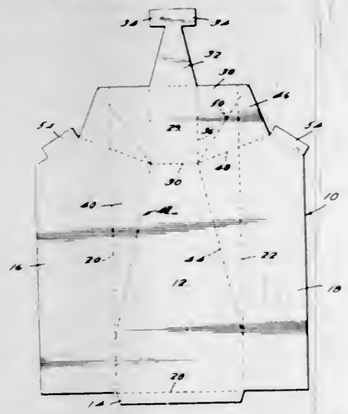
1. In a television receiver, a cathode ray tube means for magnetically deflecting the beam of said cathode ray tube, a scanning output transformer having a primary winding and a secondary winding, a source of deflecting signals connected to the primary winding of said transformer, a first inductance coil connected directly in parallel across at least part of said secondary winding a second inductance coil connected in series between said first inductance coil and said deflecting means, means for simultaneously varying the inductance values of said first and second inductance coils in opposite senses and such that the impedance between the said transformer and said deflecting means remains substantially constant, and a limiting rectifier connected across said deflecting means.

2,574,246

COLLAPSIBLE DISPOSABLE CONTAINER

William Holmes Crosby, Oil City, Pa.

Application June 19, 1950, Serial No. 168,888
5 Claims. (Cl. 229—22)



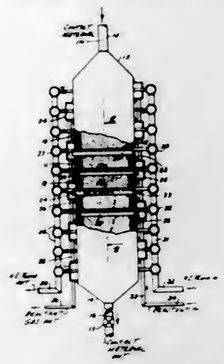
5. A collapsible disposable container comprising an elongated back panel having convergent side edges, an end panel carried by the back panel at the convergent ends of the side edges thereof, side panels carried by the back panel and extending along opposite side edges thereof, a front panel joined to the side panels along the edges thereof remote from the back panel, said front panel joining the back panel at the end thereof remote from the end panel, lateral extensions on the end panel, extensions on the side panels joining the extensions on the end panel, extensions on the front panel joining the extensions on the side panels, said extensions on the side and front panels lying adjacent the extensions on the end panel to form flaps which overlie the outer side of the end panel, a tongue on the end panel at the end thereof remote from the back panel and laterally extending ears on the tongue for engagement behind the flaps when they overlie the end panel, said front panel having a V-shaped notch therein between the extensions thereon and inturned flaps on the front panel between the extensions thereon for cooperation with the tongue in covering exposed edges of the container.

2,574,247

METHOD FOR CONDUCTING REACTIONS IN THE PRESENCE OF A SOLID MATERIAL

John A. Crowley, Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Continuation of application Serial No. 558,695, October 14, 1944. This application July 8, 1948, Serial No. 37,634
7 Claims. (Cl. 196—52)



1. A method for conducting thermochemical conversions involving a reactant fluid in the presence of a particle form solid contact mass material wherein the contact material temperature tends to change due to said thermochemical conversion which method comprises passing a particle form solid contact mass material through an elongated conversion zone; the contact material moving directly through said zone without substantial reversal in its general direction of flow therethrough, adjusting the temperature of said contact material by indirect heat transfer at a plurality of spaced apart intervals along its path of flow, said adjustment in temperature being in a direction opposite to the contact material change in temperature due to said thermochemical conversion, introducing reactant fluid into said conversion zone into contact with said contact material at a plurality of spaced apart locations each one of said locations of reactant introduction being near and immediately downstream of a separate one of said intervals of indirect heat transfer, whereby the reactant fluid initially contacts only contact material which has been recently adjusted to and is at the desired conversion temperature, maintaining the temperature of said reactant fluid just prior to initial contact with the contact material near that of the contact material at said locations of reactants introduction, flowing the reactant fluid introduced at each location through a separate vertical portion of said conversion zone, along a substantial part of which the flow is in the absence of indirect heat transfer and the temperature is substantially different from the temperature at the location of reactant introduction, and withdrawing fluid reactants from said conversion zone at a second plurality of intervals along the path of solid material flow substantially spaced apart from said intervals of heat transfer.

2,574,248

POLE STRAIGHTENER

Jonas H. Crowson, Texarkana, Ark.

Application November 19, 1948, Serial No. 60,853
4 Claims. (Cl. 144—255)



1. In a pole straightener, a plurality of substantially coextensive, parallel pole-engaging rollers, said rollers being disposed in side-by-side relation in a substantially circular series so as to define in the center of said series a pole-receiving space extending from end to end of the rollers and bounded throughout its length by the side walls of the rollers, each roller having one end portion formed with undulations and its other end portion formed cylindrically, the first-named end portions of the rollers being substantially coextensive in length and in opposed relation to each other, the undulations of at least one of the rollers being staggered relative to the undulations of other rollers adjacent thereto, said undulating portions of the rollers being adapted to press out crooked portions of said pole, and the cylindrical portions of the rollers being adapted to prevent reversion of the pole to crooked form.

2,574,249

JOINTED FISHING POLE FERRULE

Jewel D. Crowson, Louis L. Crowson, and Jonas H. Crowson, Texarkana, Ark.

Application January 11, 1949, Serial No. 70,262
3 Claims. (Cl. 287—111)



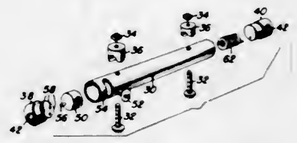
1. A ferrule comprising a sleeve having a cut opening at opposite ends of the sleeve, the respective end portions of said cut extending along spiral paths of opposite helices, said cut adapted on insertion of a member to be gripped by the ferrule, to cause portions of the sleeve on opposite sides of the cut to be sprung apart.

2,574,250

TRUNNION SUPPORT FOR ATTACHMENTS

Herman L. Dalton, Chattanooga, Tenn., assignor of one-half to Eugene W. Tubbs, Chattanooga, Tenn.

Application July 5, 1949, Serial No. 102,984
2 Claims. (Cl. 16—144)



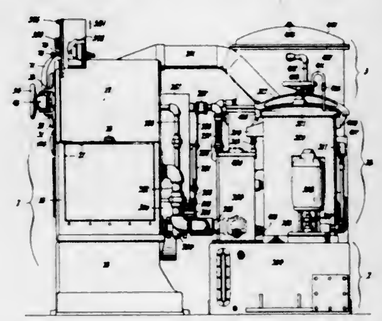
1. In a device of the type described, a substantially tubular bearing and support member having open outer ends, means for securing the tubular member to a supporting wall, a pair of trunnions closing the open ends of said bearing member and rotatably and slidably supported thereby, means secured to said trunnions and connecting the same for simultaneous rotative and sliding movement with respect to said tubular member, a locking element rotatably received in and adjustably secured within said tubular member and in juxtaposition to one of said trunnions, a pin projecting from the outer face of said locking element, and a plurality of locking recesses provided in said one trunnion, said pin being adapted to be selectively positioned in a preselected recess thereby adjustably positioning the trunnions and the means connecting the trunnions in predetermined positions relative to the tubular bearing and support member.

2,574,251

DRY CLEANING MACHINE

Clarence F. Dinley, Detroit, Mich., assignor to Detrex Corporation, Detroit, Mich., a corporation of Michigan

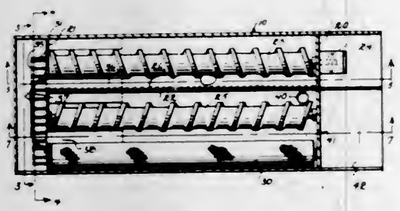
Application July 3, 1947, Serial No. 758,888
12 Claims. (Cl. 68—18)



3. A dry cleaning machine comprising a cleaning chamber, a rotary perforated drum mounted in said cleaning chamber, a means for rotating said drum, a solvent tank, a filter, a circulating

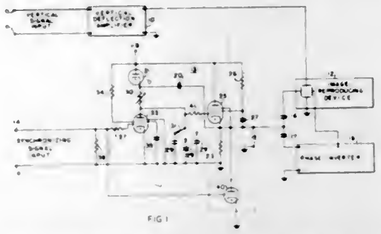
pump, said cleaning chamber, solvent tank, filter and circulating pump being connected in a solvent circulating system, a by-pass pipe having a by-pass valve and connected into said circulating system to by-pass said cleaning chamber, an inlet valve controlling the flow of solvent into said cleaning chamber, a drain valve controlling the draining of solvent out of said cleaning chamber, an overflow pipe leading from a level in said cleaning chamber above the level of said drain valve and into said storage tank, and a linkage control unifying the controlled operation of said inlet valve, said by-pass valve and said drain valve whereby said by-pass valve and said drain valve are both open or closed together and said inlet valve is open only when said other valves are closed.

2,574,252
EGG WASHER
Leo R. Dolson and George Stone, Sebastopol, Calif.
Application May 16, 1947, Serial No. 748,476
4 Claims. (Cl. 15—3.13)



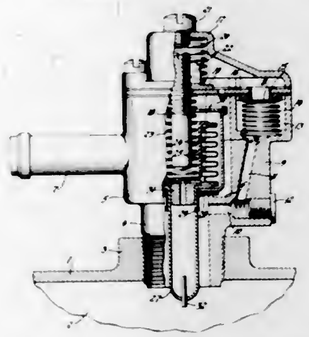
1. In an egg washer and dryer, a body portion including a receptacle having a longitudinally extending partition therein, and transverse partitions adjacent the opposite ends of the receptacle, said longitudinally extending partition dividing said receptacle into washing and drying compartments, parallel disposed egg guiding helices in each compartment and journalled at their opposite ends in said transverse partitions, said helices being oppositely spiralled to convey eggs from one end of the receptacle to the other, and then back to the original end, a drying roller having an absorbent covering thereon journalled at its ends in the transverse partitions in the drying compartment in parallel relation to the helix therein, a conveyor belt for conveying eggs from one compartment to the other in one end of said body outwardly of the transverse partition at that end, said belt having operational engagement with the ends of the helices and the end of the drying roller, means for rotating the helix in said washing compartment so that the rotation of said latter helix will, by means of the belt, cause simultaneous rotation of said helices and said roller, and said transverse partition adjacent said conveyor belt having apertures therein in alignment with the washing and drying compartments upwardly inclined ramps at the end of the helices adjacent the conveying belt for feeding the eggs onto the belt in alignment with the apertures in the transverse partition and receiving the eggs therefrom, an arcuate shaped guide rail overlapping the upper ends of the ramps and the apertures in the transverse partition above the conveyor belt for guiding the eggs on the belt from one compartment to the other, resilient padded outer surfaces on said helices and cushioning means on the partition longitudinally dividing the receptacle to prevent damage to the eggs during the washing and drying thereof.

2,574,253
GENERATOR
Emmet J. Duffy, Oak Park, Ill., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application December 10, 1946, Serial No. 715,327
10 Claims. (Cl. 250—27)



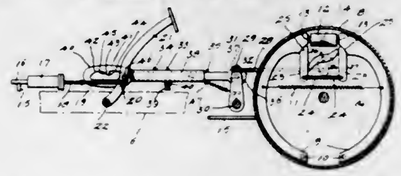
1. An arrangement for generating a voltage having recurring trace and retrace portions comprising, a first energy-storage means, means including an impedance means for charging said first energy-storage means at least during spaced recurring intervals, a second energy-storage means, means including said impedance means for charging said second energy-storage means during spaced recurring intervals intermediate said first-mentioned intervals with energy supplied by said first energy-storage means to develop said trace portions of said voltage, means for discharging said second energy-storage means during said first-mentioned intervals to develop said retrace portions of said voltage, and a device coupled to the impedance means and having a value of impedance which may be varied during the first-mentioned intervals to reduce the effective impedance value of said impedance means during said retrace portions of said voltage.

2,574,254
AIRCRAFT COOLING VALVE
Jesse E. Eshbaugh and Nelson Walker, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 28, 1944, Serial No. 570,149
5 Claims. (Cl. 277—61)



1. In a compensating safety pressure regulator for closed systems, a casing having a blow-off passage therethrough, a partition fixedly mounted in the casing, a pressure responsive expansible bellows containing a vaporized liquid and being floatingly housed by the casing on the innermost side of the fixedly mounted partition and having its inner end wall normally seated over the blow-off passage as a valve seal therefor, and a pair of tandem springs on opposite sides of the fixed partition, that on the inner side of the partition exerting its force at all times on the outer end wall of the bellows and that on the outer side of the fixed partition having its range of expansion limited by the fixed partition so as to exert its force on the outer end wall of the bellows only after a predetermined travel of said outer end wall.

2,574,255
SINGLE PEDAL COMBINATION HYDRAULIC AND MECHANICAL VEHICLE BRAKE
William J. Eye and Carl W. Hull, Bartow, W. Va.; said Eye assignor to A. Ray Hull, Bartow, W. Va.
Application November 6, 1946, Serial No. 708,058
3 Claims. (Cl. 188—106)

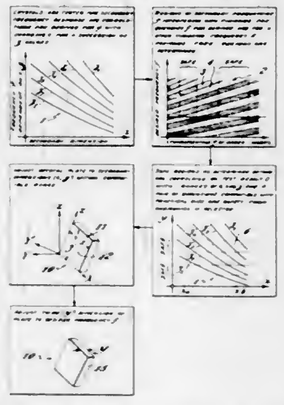


1. In combination with a hydraulic brake system of a motor vehicle, a conventional mechanical brake shoe actuating linkage for each of the pairs of brake drums and including a shaft journaled in the vehicle and to which each of said mechanical actuating linkages is connected, a crank keyed to said shaft, a connecting rod connected to the free end of said crank and projecting therefrom substantially at a right angle thereto, said connecting rod having an elongated free end provided with a longitudinally disposed slot, a pin fixed to and projecting laterally from a brake actuating lever, connected to the hydraulic brake system, said pin being normally disposed for unobstructed movement in said slot when the hydraulic brake system is applied by the movement of said lever, and a shoulder extending into said slot and in the path of movement of said pin and disposed to be engaged thereby when the hydraulic brake actuating system fails and the brake applying lever moves to a point beyond its normal travel for applying the brakes through the mechanical brake actuating linkage, said crank having a squared pin projecting from its free end, said connecting rod having an L-shaped slot in one end thereof for receiving said squared pin, and said squared pin being normally disposed in the upper end of the L-shaped slot and being closely engaged thereby for keying the connecting rod to the crank.

2,574,256
METHOD OF RECOVERING CRYSTALLINE CYANOACETIC ACID
Alvin C. Flisik, Stony Point, and Leonard Nicholl, Nyack, N. Y.
No Drawing. Application October 27, 1949, Serial No. 123,978
10 Claims. (Cl. 260—465.4)

1. Method of purifying a mixture of cyanoacetic acid, aliphatic ketone and contaminants comprising ketone-soluble, highly colored impurities and by-products of reaction, which mixture is derived by treating aqueous brine solutions of cyanoacetic acid with selectively hydrophilic aliphatic ketones whereby to form a substantially anhydrous ketone solution containing said cyanoacetic acid, and contaminants, which comprises steam distilling the mixture and removing the ketone from the mixture as an aqueous azeotrope.

2,574,257
METHOD FOR MANUFACTURING PIEZOELECTRIC CRYSTALS FREE OF CONFLICTING MODES OF VIBRATION
Constance W. Franklin, Belmont, Mass., assignor to Cambridge Thermionic Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 11, 1947, Serial No. 721,509
2 Claims. (Cl. 171—327)



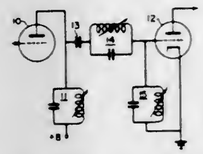
1. The method of fabricating a piezoelectric crystal plate of the type which has an orientation about one of the characteristic crystal axes and which is intended to furnish a given resonant working frequency determined by a primary dimension in one of said axes and unaffected by conflicting harmonic frequencies dependent upon the secondary plate dimensions in the two other axes, which method comprises the steps of experimentally establishing for series of said secondary dimensions the inter-relation of the fundamental frequency of said conflicting harmonic frequencies and said secondary dimensions for a crystal of said orientation, adjusting a crystal plate of said orientation to secondary dimensions determined by said experimentally established inter-relation as excluding such conflicting harmonics that lie within a predetermined range of desired working frequency, and then adjusting said plate to said primary dimension furnishing said working frequency.

2,574,258
LIGHT-SENSITIVE COMPOSITIONS AND PLATES FOR PHOTOLITHOGRAPHY
Frederick H. Frost, Portland, and Frederic E. Brinnick, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application April 26, 1948, Serial No. 23,403
10 Claims. (Cl. 95—7)

1. A sensitizer composition for photosensitive planographic printing plates comprising an aqueous vehicle, a water-soluble hexavalent chromium compound of the group consisting of chromates and dichromates, a liquid to semi-liquid, unsaturated, organic, oily to fatty material capable of reacting with bichromate in the

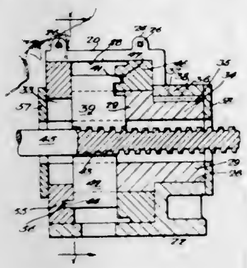
presence of actinic light to form a coherent solid film and a water-soluble phosphate, the weight ratio of said chromium compound to said material being within the range from 1 to 8 parts of the chromium compound to 4 parts of said material, and said composition containing from .5 to 3 percent by weight of said phosphate and having a pH value within the range from 3 to 9.

2,574,259
TELEVISION INTERMEDIATE FREQUENCY AMPLIFIER
Harold Goldberg, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application April 14, 1947, Serial No. 741,293
17 Claims. (Cl. 179—171)



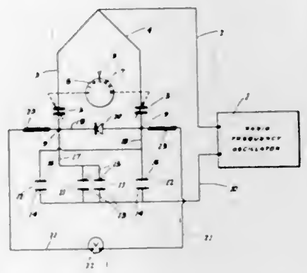
1. A transmission and rejection network for an amplifier comprising: a first vacuum tube having at least an anode; a second vacuum tube having at least a control electrode and a cathode; a source of positive potential; a first parallel resonant circuit connected between the said anode and the said source, and being resonant at the rejection frequency; a second parallel resonant circuit serially connected between the said anode and the said control electrode, and being resonant at the rejection frequency; and a third parallel resonant circuit connected between the said control electrode and the said cathode and being resonant at a frequency such that the principal responses of the network lie within a band of frequencies which it is desired to transmit.

2,574,260
DIE HEAD FOR CUTTING THREADS
Frank Griffith, Philadelphia, Pa.
Application March 24, 1947, Serial No. 736,638
4 Claims. (Cl. 10—127)



1. In threading dies for stock, a die head comprising a housing, a die block within the housing having inward radially extending equally circumferentially spaced slots all at the same axial position and having a central longitudinal opening for the stock to be threaded, a plurality of threading dies, one in each alternate slot, a plurality of guides having concave non-cutting surfaces at the interior ends, one of the guides being in each of the slots between the slots occupied by the dies, a first cam follower on one end of each of the dies, a second cam follower on the opposite end of each of the guides, a first collar-like cam having cam slots located inside the housing and around the die block at the ends of the dies on which the first cam followers on the dies are located, the cam slots in the first cam receiving the first cam followers from the dies, and a second collar-like cam located at the end of the guides on which the second cam followers are mounted on the guides, the second cam having cam slots which receive the second cam followers on the guides, and the second cam being located inside the housing and surrounding the die block.

2,574,261
MOISTURE DETECTING APPARATUS
Owen C. Hagan, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif., a corporation of California
Application July 5, 1949, Serial No. 102,999
6 Claims. (Cl. 175—183)

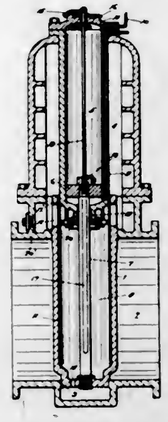


5. Apparatus for testing material for moisture content, comprising a row of spaced, variable gap condensers each having cooperating electrode plates, guided relatively separable members, corresponding electrodes being mounted on said members whereby upon separation of the latter the condensers are correspondingly gapped between their electrode plates, one condenser assembly being adapted to receive the material in engagement between its electrode plates, other condensers on opposite sides of said one condenser having air gaps, said other condensers totaling in initial capacity that of said one condenser assembly, and a bridge circuit in which said condensers are interposed in a manner to unbalance said circuit due to differential in capacity of said one condenser assembly resulting from engagement of material therein; the circuit including balancing means having a movable member whose movement is resolved in terms of moisture content of said material.

2,574,262
VALVE WITH BUILT-IN OPERATING CYLINDER FOR PRESSURE FLUID OPERATIONS
Joseph Heck, New York, N. Y., assignor of one-half to Hugo C. Gollmer, New York, N. Y.
Application May 25, 1946, Serial No. 672,258
4 Claims. (Cl. 137—139)

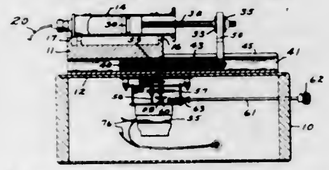
2. A pressure fluid operated gate valve comprising a valve casing, a valve closing member disposed in said valve casing when the valve is closed, a bonnet chamber disposed outside of and adjacent to said casing and adapted to receive said member when the valve is opened, hollow

cylinder means disposed within said chamber, and a pressure fluid operated piston slidable in



said cylinder means and connected with said member.

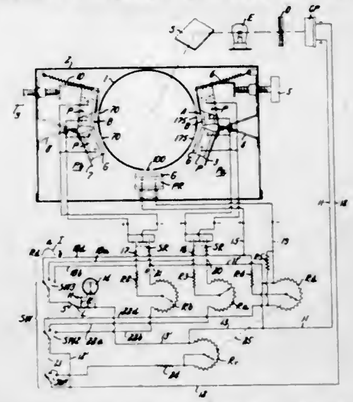
2,574,263
INJECTION APPARATUS
William E. Hinds, Hillsboro, Oreg.; Mrs. William E. Hinds, special administratrix of said William E. Hinds, deceased
Application September 22, 1945, Serial No. 617,976
12 Claims. (Cl. 128—216)



12. In a low speed continuous injection apparatus, the combination comprising a syringe holder for stationarily supporting a syringe, a reciprocating means mounted at one end of said holder and adapted operatively to engage the syringe piston, means supporting said reciprocating means for movement in a direction parallel with the line of movement of said piston, a constant speed motor, a unidirectional driving means connecting said motor to said reciprocating means for driving said reciprocating means in a direction to force the piston inwardly of said syringe, said driving means including a resistance clutch permitting stoppage of said reciprocating means upon occurrence of abnormal resistance to movement of the syringe piston while permitting continued operation of said motor.

2,574,264
COLOR AND COLOR DIFFERENCE METER
Richard S. Hunter, Franklin Park, Va., assignor to Henry A. Gardner Laboratory, Inc., Bethesda, Md., a corporation of the District of Columbia
Application March 4, 1949, Serial No. 79,603
22 Claims. (Cl. 88—14)

1. In a color and color difference meter, means for supporting a specimen, a comparison photocell, a light source for illuminating a specimen and said comparison photocell, a diffusion chamber receiving light from a specimen positioned on said specimen supporting means, a plurality of photocell means provided with filters of different tristimulus characteristics, said diffusion chamber being provided with openings through which light is transmitted to the several photocell means, and a measuring circuit network for measuring the equivalent gray value and the chromaticity of the specimen on three scales of substantially uniform perceptibility; said measuring circuit network including switch means adjustable to establish a desired one of three measuring circuits which each include a selected pho-



tocell means and a potentiometer adjustable to balance the current output of the selected photocell means by a fraction of the current output of said comparison photocell; each potentiometer having indicating means including a scale graduated in 100 units, and the relative areas of the several openings being different and so related that the scale reading of each potentiometer at balance condition is a numeral value, on a scale of substantially uniform perceptibility, of a color attribute of the specimen.

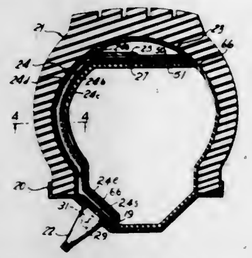
2,574,265
SEPARATION OF ORGANOSILICON MATERIALS
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application November 15, 1945, Serial No. 628,965
11 Claims. (Cl. 260—448.2)

1. The method of purifying dimethyl silicon dichloride containing in minor proportion monomethyl silicon trichloride, which comprises reacting the mixed chlorides with aqueous sodium hydroxide, the water being present in quantity sufficient to hydrolyze the chlorides with the production of hydrogen chloride and the sodium hydroxide being present in quantity to neutralize the hydrogen chloride produced together with between 1 and 2 mols. of sodium hydroxide per mol. of monomethyl silicon trichloride originally present, and separating the salts so formed from the dimethyl silicon hydrolyzate.

2,574,266
FLEXIBLE VALVE
Seyed Khalil, New York, N. Y.
Original application April 10, 1947, Serial No. 740,530, now Patent No. 2,524,808, dated October 10, 1950. Divided and this application July 21, 1947, Serial No. 762,271
19 Claims. (Cl. 152—340)

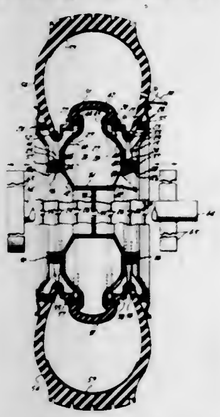
2. In a tire, a casing, a tube within said casing adjacent to the tread thereof, a ring-like shield

within said casing and forming therewith an isolated chamber for said tube, the periphery of said shield being equidistant from the central axis of said casing, a clearance passage formed in said shield, an elongated flexible conduit secured to said tube and extending via said passage and along the inner surface of said casing to a position where a valve carried in the end



thereof may extend through the rim upon which said tire is to be mounted, and a second tube within said casing and having its outer periphery bounded by said shield, the side well of said second tube when inflated being adapted to span and partially embrace said flexible conduit where it lies in contact with the inner wall of said casing.

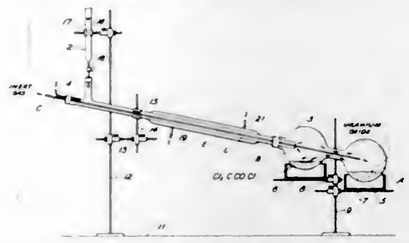
2,574,267
DIFFERENTIAL TIRE
Seyed Khalil, New York, N. Y.
Application March 12, 1948, Serial No. 14,469
20 Claims. (Cl. 152—9)



1. In a pneumatic device, a composite structure adapted to be mounted on the rim of a vehicle and including a series of radially disposed members having depressed portions therein adapted to receive and support the beads of a pneumatic tire, said structure also being adapted to impart lateral stability to said tire.

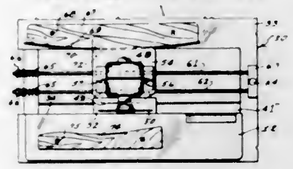
2,574,268
MANUFACTURE OF URANIUM TETRACHLORIDE
Martin D. Kamen, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application November 30, 1944, Serial No. 566,009
8 Claims. (Cl. 23—14.5)

1. A process of producing uranium tetrachloride comprising passing trichloroacetylchloride vapors over an oxide of uranium maintained at



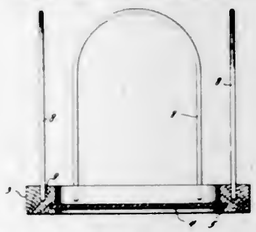
a temperature within the range of 135° C. to 225° C., and recovering the uranium tetrachloride.

2,574,269
CUTTING MACHINE
Frank C. Lange, Racine, Wis., assignor to The Badger Shirt Company, Racine, Wis., a corporation of Wisconsin
Application April 26, 1949, Serial No. 89,727
11 Claims. (Cl. 164—76)



1. A cutting machine comprising a table, tracks connected to said table and mounted for pivotal movement about a vertical axis, a template supported by said table, and a movable cutting member operatively connected to said template and mounted to travel along said tracks to cut articles to a desired shape.

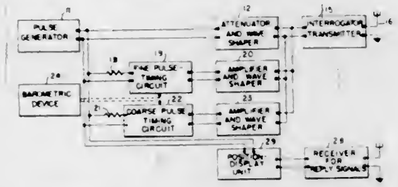
2,574,270
HOLDER FOR WASTE DISPOSAL CONTAINERS
Christian J. Leonard, New York, N. Y.
Application December 31, 1947, Serial No. 794,974
1 Claim. (Cl. 248—146)



A sanitary and portable holder for supporting a disposable container of flexible material such as a paper bag in an upright, open-mouthed position thereon, comprising a base, said base having a recess in the top thereof for receiving and supporting the bottom of a disposable container therein, said recess being defined by a waterproof continuous side wall, said continuous side wall being provided with a groove along the inner periphery thereof, a waterproof bottom disposed transversely with respect to said continuous side wall, the peripheral edges of said bottom being disposed in said groove to form a waterproof joint

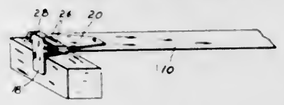
between said bottom and said continuous side wall, said side wall having a series of openings extending into the top thereof and located at spaced points around the side wall, and supporting members extending upwardly from said side wall, at least one of said supports engaging with each side of the disposable container, said supporting members having their ends detachably fitted within the openings in the top of the side wall of the base.

2,574,271
WAVE-SIGNAL COMMUNICATION SYSTEM
Arthur V. Loughren, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application April 2, 1949, Serial No. 85,101
6 Claims. (Cl. 343—6)



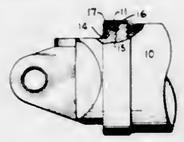
1. A system for communication between two spaced wave-signal stations at least one of which is carried by a mobile object comprising, means at one of said stations for transmitting wave-signal energy having a first modulation characteristic including two pulse wave form portions with a variable time separation for designating by the values of the time separations thereof individual ones of a plurality of traffic sectors available to mobile objects and having a second modulation characteristic including one of said two pulse wave form portions and including another pulse wave form portion with a variable time separation designating by the values of the time separations thereof individual ones of a plurality of traffic zones located primarily within each of the traffic sectors individually designated by said first characteristic, means at the other of said stations for intercepting said wave-signal energy and for deriving therefrom signal energy including three pulse wave form portions having said two time separations, and means at said other station for utilizing said derived signal energy only when the tme separations of the pulse wave form portions thereof correspond to a particular traffic sector and zone selectable at said other station.

2,574,272
HOOK FOR MEASURING TAPE
Harry McCully, Chicago, Ill.
Application April 23, 1947, Serial No. 743,295
11 Claims. (Cl. 33—137)



1. The combination with a measuring tape of a hook hinged to the tape relatively loosely on an axis transverse to the tape and parallel to the plane of the tape for swinging movement from an erect to a folded position, the tape including a transverse clamp portion and the hook including arms pivotable about said clamp portion and a tab which in the erect position extends perpendicular from said tape with the inside surface of the tab even with the end of the tape for engaging the work in an outside or hook measurement, the tab in the folded position lying approximately parallel with the tape and leaving the end of the tape free to abut the work directly for an inside or abutment measurement, and a cantilever leaf spring mounted on the tape with its free end toward said end of the tape, said spring abutting endwise against the hook to hold the tab in the erect position, said free end of the spring being deflectable out of its hook abutting position to let the spring-engaging surface of the hook fold over said spring.

2,574,273
HYDRAULIC CYLINDER ASSEMBLY AND METHOD OF MANUFACTURING
Stewart B. McLeod, Dearborn, Mich., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1946, Serial No. 714,380
2 Claims. (Cl. 309—2)

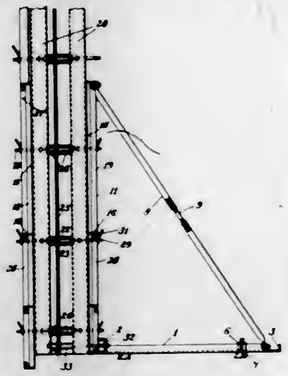


1. In a pressure cylinder, the combination of a section of stock steel tubing, a plurality of die cast end-closure heads secured within the side-walls of the ends of said steel tubing, a means to form a seal between each of said die cast heads and the adjacent inner side-wall of the said tubing and to compensate for differences in the thermal expansion of said die cast heads and said steel tubing and comprising a ringway on each of said die cast heads, an elastomeric ring gasket tightly fitted within each of said ringways, a thermal seal ring formed of a material having substantially the same thermal expansion properties of the stock steel tubing and mounted loosely within each of said ringways and in contact with the adjacent inner side-wall of the steel tubing and tightly adjacent one of each of said elastomeric ring gaskets, each of said elastomeric ring gaskets being held in shape and under compression at its smaller periphery by its respective ringway and being held in shape and under compression at its larger periphery by said thermal seal ring.

2,574,274
SHUTTERING FOR THE CONSTRUCTION OF WALLS
William McMullan, Belfast, Northern Ireland, assignor to Farrans Limited, Belfast, Northern Ireland
Application August 6, 1947, Serial No. 766,547
In Great Britain March 31, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 31, 1965
8 Claims. (Cl. 25—131)

1. Shuttering means for the construction of cast walls comprising a plurality of opposed columns, tie means detachably connecting opposed columns, vertical continuous clamp members extending up alongside the columns, shutters extending between the columns with the adjacent

ends of the shutters projecting in between the clamp member and columns and fastening members attached to the tie means to secure the clamp members in position to clamp the ends of the shutters on the columns, the clamp members and



columns constituting a continuous guide allowing infinitely variable vertical sliding movement of the shutters when the fastening members are loosened and constituting a continuous vertical bracing for the ends of the shutters when the fastening members are tightened.

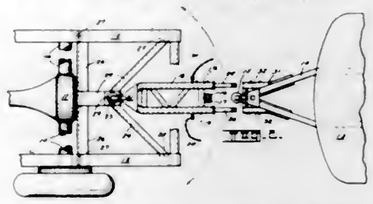
2,574,275
LOOM CHECK STRAP
Edwin S. Meservey, Kingsport, Tenn.
Application May 12, 1949, Serial No. 92,786
1 Claim. (Cl. 139—165)



A check strap for checking the movement of an oscillating picker stick in looms comprising a pair of arcuate flexible straps disposed in spaced vertical planes in a loom which are disposed on each side of the path of travel of the picker stick and whose arcuity coincides with the path of travel of a given point on the picker stick, a pair of truncated wearing blocks of laminated material disposed between the ends of the straps, means penetrating one of the wearing blocks and one end of the straps for fixedly securing the straps to the said one of the wearing blocks, removable means penetrating the other wearing block and the other ends of the straps for removably securing the straps to said other wearing block, the proximate faces of the wearing blocks being of arcuate formation and being disposed in planes which converge at the center of oscillation of the picker stick.

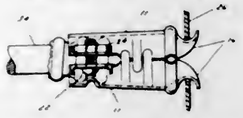
2,574,276
TRAILER HITCH
George C. Mills, Youngstown, Ohio, assignor of fifty per cent to Harry A. Makin, Sr., Johnstown, Pa.
Application August 3, 1950, Serial No. 177,409
5 Claims. (Cl. 280—33.44)

1. The combination with a motor vehicle having a driving axle and a chassis frame extending in rear of said axle, of a trailer hitch comprising a Y-shaped frame secured to said chassis frame and lying on a horizontal plane therebeneath, a tow bar detachably coupled at one end to said Y-shaped frame at the apex thereof and extending beyond said motor vehicle, a pair of longitudinally extending sockets formed in the outermost end of the said tow bar, a coupler ball mounted on said tow bar near the outermost end thereof and guide pins movably positioned in said



sockets and extending outwardly therefrom, a body member adapted to be attached to a trailer frame having a coupling element thereon, a pair of secondary longitudinally extending sockets formed in said body member arranged for registry with the said guide pins, the coupling element on the trailer frame adapted to register with the said coupler ball on said tow bar when the said guide pins are in telescopic engagement in the said sockets and secondary sockets.

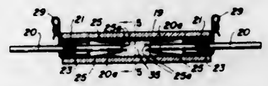
2,574,277
ELECTRICAL CONNECTION
Thomas D. Monroe, Owosso, Mich., assignor to Redmond Company, Inc., Owosso, Mich., a corporation of Michigan
Application May 5, 1948, Serial No. 25,185
2 Claims. (Cl. 285—6.5)



1. A conduit connector comprising two complementary sections, each having an end portion insertable in a wall opening, said end portions being arcuately preshortened to substantially less than 180°, to allow insertion of each of said end portions from any one of a wide range of oblique angles, said end portions also being of such extent, in a transverse direction with respect to the axis of said opening, as to prevent their withdrawal through said opening when said sections are positioned in parallelism and including intercalated peripherally clasping fingers on said sections and constituting integral extensions thereof, said peripherally clasping fingers being formed on arcs whose radii slightly exceed that of said sections.

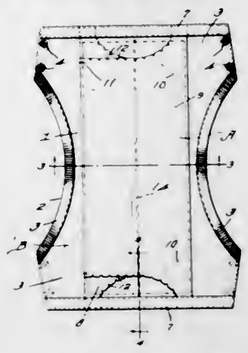
2,574,278
AUTOMATIC CIRCUIT CLOSER FOR ELECTRICAL WIRING SYSTEMS
Walter F. Morgan, Santaquin, Utah
Application July 3, 1950, Serial No. 171,850
12 Claims. (Cl. 200—118)

7. An automatic circuit closing device for electrical wiring systems, comprising a tube of electrical insulating material; a pair of electrical conductors mounted in spaced, mutual opposition at opposite ends of said tube, at least one of said electrical conductors being in the form of a rigid rod mounted for sliding movement toward and away from the other of said electrical conductors; slideway means mounting said movable conductor within and longitudinally of said tube; resilient means normally urging said movable conductor toward the other of said conductors; thermally responsive means associated with said



movable conductor, only within said tube, and normally positioned to restrain said movable conductor, but deformable to non-restraining position under the influence of heat generated by electrical discharge across the gap normally existing between the said pair of conductors; and means for electrically connecting the respective electrical conductors with opposite leads from an electric circuit.

2,574,279
SANITARY GARMENT
Laura A. Oberle, Pasadena, Calif.
Application December 30, 1949, Serial No. 135,858
2 Claims. (Cl. 128—287)



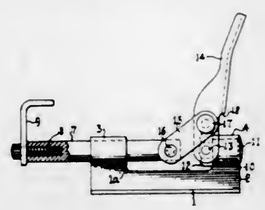
1. A garment of the class described comprising an elongate body of fabric having its longitudinal edges recessed centrally of their ends, the portions of the body between its ends and the recesses providing apron portions having a width to be joined together to encircle the waist of a wearer with the central part of the body in the crotch, means at the sides of the apron portions for detachably connecting such portions together, an elongate absorbent pad disposed lengthwise of that face of the body which is nearest to the body of the wearer when the garment is in use and having a width less than that of the body between the recesses, said pad being formed of a sheet of absorbent material having a long central panel portion and two joined panel portions at each side of the central panel, said central panel portion having the width of the formed pad and the length of the said face of the body, means securing the ends of the central panel portion to the adjacent ends of the body, the two panel portions at one side of the central panel portion being folded one onto the other and then onto the central panel and the other two panel portions being folded one onto the other and then onto the first two folded portions, and means securing together each two side panel portions.

2,574,280
VEHICLE BRAKE DIVING CONTROL
John Obert, Omaha, Nebr.
Application August 5, 1949, Serial No. 108,703
9 Claims. (Cl. 280—124)



1. In a vehicle having a frame, a wheel assembly, a resilient suspension system between said frame and assembly, and also having a fluid braking system; a first member extending downwardly from said frame and being attached at its upper end to said frame, a second member extending upwardly from said wheel assembly and being attached at its lower end to said assembly, said first and second members being disposed adjacent one another and normally relatively movable with respect to each other, and fluid operable brake means mounted on one of said members for engaging the other of said members for preventing relative movement between said first and second members, said fluid operable brake means being operably responsive to the fluid pressure in said braking system during brake application.

2,574,281
PUSH OR PULL TOGGLE CLAMP
John Olson, Detroit, Mich.
Application April 23, 1945, Serial No. 589,804
7 Claims. (Cl. 74—1)

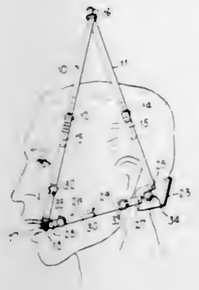


1. In a toggle clamp, a mounting, a clamping member reciprocable in the mounting, a lever, means fulcruming the lever on the mounting adapting the lever to swing through substantially one hundred and eighty degrees, a link forming a swinging actuating connection from the lever to the clamping member, said link and the lever portion between the link and lever fulcrum forming a toggle and substantially aligning in positions of the lever substantially one hundred and eighty degrees apart, said mounting forming stops respectively engaged by the lever in its respective specified positions.

2,574,282
CRANIUM SUSPENDER
John D. Phillips, St. Petersburg, Fla.
Application October 17, 1950, Serial No. 190,508
7 Claims. (Cl. 128—76)

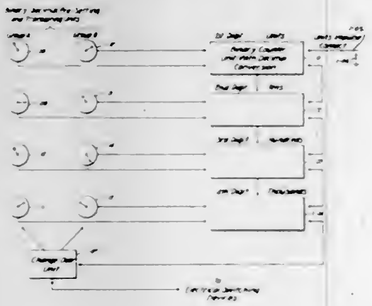
3. A cranium suspender comprising a substantially rigid front bit member adapted for transverse placement in the mouth of the user and being of a length to extend beyond the sides of the mouth, a rear cranium supporting strap, a pair of side straps connecting the projecting ends of the bit to the ends of the rear strap, and sus-

pensions means attached to the ends of the bit and the rear strap for exerting upward pressure of



the bit member on the lower side of the upper jaw.

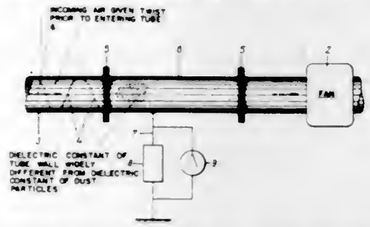
2,574,283
PREDETERMINED ELECTRONIC COUNTER
John T. Potter, Great Neck, N. Y.
Application March 27, 1946, Serial No. 657,581
11 Claims. (Cl. 235—132)



7. In a predetermined counter, the combination of, a plurality of cascaded electronic trigger circuits comprising trigger pairs for counting electrical impulses, a plurality of branch circuits connected to predetermined points in said trigger circuits for setting a count into said trigger circuits, a multi-point selector switch for inter-connecting predetermined combinations of said branch circuits for predetermining said count to be set into said trigger circuits and a time delay circuit for applying a pulse to said switch for resetting said count into said trigger circuits.

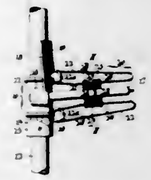
2,574,284
PROCESS FOR THE PRODUCTION OF HIGH ELECTROSTATIC CHARGES BY SELF-EXCITATION
Rudolf Prochazka, Murrzuschlag, Austria
Application March 8, 1949, Serial No. 80,254
In Austria March 12, 1948
3 Claims. (Cl. 171—328)

1. Apparatus for generating high electrostatic charges by self-excitation comprising a tube, means for causing a stream of gas laden with particles to flow through the tube, and means for imparting a twist to the stream before entering the tube, whereby substantially all of the particles



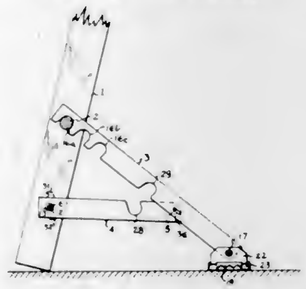
are centrifugally projected into contact with the tube.

2,574,285
YARN PACKAGE SUPPORT
Thomas K. Rea, Gastonia, N. C., assignor to Cocker Machine and Foundry Company, Gastonia, N. C., a corporation of North Carolina
Application March 10, 1949, Serial No. 80,693
5 Claims. (Cl. 242—130)



1. In a support for axially hollow yarn packages, a mounting stem; and a package holder comprising a collar rotatively engaged on the stem, a plurality of straight-sided radially-arranged elongate spring loops at intervals circumferentially of the collar aligned in the direction of the stem and extending in opposite directions beyond the collar to substantially equal extents, said loops converging toward the outer end of the stem and having the capacity to yield to compression as the yarn package is slipped into place over the holder.

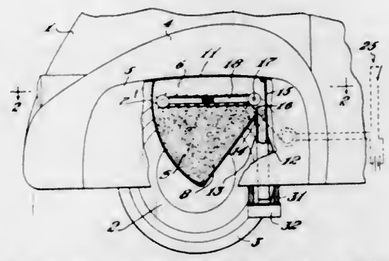
2,574,286
LADDER BRACE
Edmund C. Rein, New Baltimore, Mich.
Application June 12, 1948, Serial No. 32,651
7 Claims. (Cl. 228—60)



1. In a ladder brace, the combination with a ladder comprising a pair of rails, of an abutment fixed on one of side rails, a prop notched to detachably engage said abutment, a link bar, and means pivoting the ends of the link bar respectively to said prop and rail, the connection of said

bar to the rail being downwardly spaced from said abutment, when the brace is in use, said prop and link bar having a stored position of substantial parallelism with the rails said prop and link bar having channel forms, and being proportioned to fit one within the other in said stored position.

2,574,287
SAND DISTRIBUTOR
Joseph Rome, Barre, Vt.
Application December 7, 1946, Serial No. 714,740
14 Claims. (Cl. 291—27)



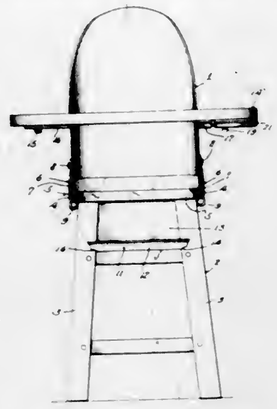
1. A road sander for sanding the road in advance of the wheel of a motor vehicle, said sander comprising a casing forming a lateral extension of the mudguard of the vehicle wheel, a sand reservoir within the casing, the reservoir, in front-to-rear vertical section, being substantially segmental in contour and having substantially parallel vertical side walls, an arcuate rear wall and a forwardly and upwardly inclined bottom wall, means including a rear wall defining a downwardly directed delivery passage, the rear wall of said passage being joined at its front end to the forward end of the inclined bottom wall of the reservoir, the junction of said walls defining the bottom of the entrance to the delivery passage, an elongate carrier within the reservoir, one end of the carrier being pivoted to turn about a horizontal axis located substantially at the top of the entrance to the delivery passage, the carrier being of such length that its free end is adjacent to the arcuate wall of the reservoir, said wall being concentric with the pivotal axis of the carrier, an endless chain supported by the carrier, sand-scraping blades carried by the chain, said blades being of a width to reach substantially from one side wall to the other of the reservoir, and motor means driving the chain so that its lower run moves toward the entrance to the delivery passage, the free end of the carrier with its chain being designed to rest upon and to be supported solely by the sand in the reservoir.

2,574,288
EAR PROTECTOR
Maurice C. Rosenblatt, New York, N. Y.
Application October 11, 1948, Serial No. 53,836
9 Claims. (Cl. 128—152)



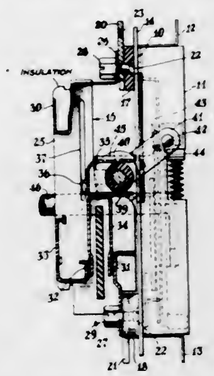
1. An ear protector comprising an imperforate disc-like body formed solely of wax adapted to fit the concha of the ear and span the entrance to the ear canal.

2,574,289
HIGH CHAIR
Tony P. Rossi, Albuquerque, N. Mex.
Application May 9, 1949, Serial No. 92,209
3 Claims. (Cl. 155—39)



3. In a high chair, the combination of a base section provided on its upper part with a depending grooved flange substantially U-shaped in cross section, a seat section provided upon its lower edge or part with a straight depending flange fitting the said U-shaped flange, a plurality of spring catches on said seat section, each spring catch comprising a substantially straight body, a hook end formed upon the lower part of said straight body, and said hook provided with a spring tongue extending inwardly and downwardly and normally pressing against the bottom of said U-shaped flange.

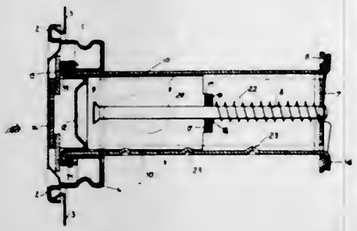
2,574,290
MULTIPLE UNIT SWITCH WITH SINGLE ACTUATOR
Raymond N. Rowe, Plainville, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application January 16, 1947, Serial No. 722,349
2 Claims. (Cl. 200—76)



1. An electric switch having a base frame, snap action mechanism having a movable hub rotatably mounted at the back of said base frame with its rotational axis perpendicular to said base, said base having an arcuate slot concentric with

said axis, and an actuating rod having an axis eccentric to said hub and movable in said slot and having its rear end secured to the hub of said snap action mechanism.

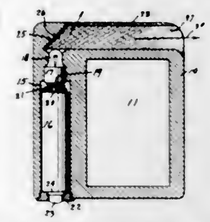
2,574,291
TELESCOPIC VALVE DEVICE
Georges Louis Rueg, Paris, France, assignor to Société Futs Metalliques Gallay, Paris, France, a corporation of the Republic of France
Application August 1, 1947, Serial No. 765,528
In France January 24, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 24, 1961
4 Claims. (Cl. 251—8)



1. A valve device, comprising in combination a valve-base element provided with an aperture and on one inner side with guiding means normal to said aperture, an external tube member slidable outwardly along said guiding means through said aperture, having an open inner end, a sealed outer end, and an outlet in its side wall near said outer end, an internal tube member of lesser length than said external tube and slidable therein to cover and uncover said outlet, an abutment on the inner end of the internal tube, a fixed stop for said abutment, internal to said tubes and close to said aperture, a spring urging said internal tube towards the sealed end of said external tube in closed relation to said outlet, sealing means between the outer end of said external tube and said apertured element, means for clamping said external tube in sealed retracted position against said spring and means for handling said external tube, whereby, after the external tube has been unclamped, the spring may urge the tubes to a partly extended position where said abutment is in contact with said stop, said outlet being on the outer side of said apertured element and kept closed by the internal tube, and the said outlet may be opened in a controllable manner by pulling said external tube outwardly on said stopped internal tube.

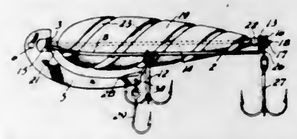
2,574,292
COMPACT PROVIDING FACIAL ILLUMINATION
Kim Earl Rush, Beaverton, Oreg.
Application May 26, 1947, Serial No. 750,520
1 Claim. (Cl. 240—6.45)

A compact of elongated rectangular form, one long side constituting the back, a mirror cover hinged along said back, said compact having a rectangular recess formed along the front thereof, a light conducting element mounted along one short side of said compact having a reflecting mirror at the rear end thereof, the front corner of said element being rounded, the top, bottom and right hand edges of said element having red translucent covering, a flash light mounted along the interior of the compact having its operating button projecting from the other short side of the compact and having its bulb facing said mirror, the mirror forming an angle of approximately 45° with relation to the axis of the



light conducting element whereby light rays from said flash light will pass along said conducting element and be diverged from the rounded end thereof.

2,574,293
FISHING SPINNER
James O. Sabin and George E. Ericson, Dalbo, Minn.
Application June 28, 1946, Serial No. 680,308
12 Claims. (Cl. 43—42.12)



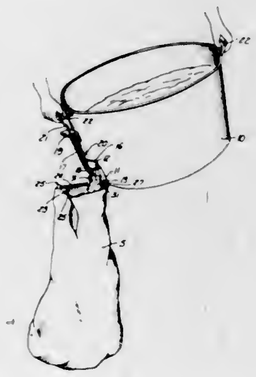
1. In a fishing lure, a frame having laterally extending arcuate wire members shaped to form an eye at the rear end thereof, a collar secured to the forward end of said wire members, fins secured to the forward portion of said frame, a shaft extending longitudinally of said frame said shaft being adapted to have spinners of different types mounted thereon.

2,574,294
WINDSHIELD WIPER
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 15, 1945, Serial No. 628,867
2 Claims. (Cl. 15—253)



2. In combination, an automotive vehicle having an engine and intake manifold therefor, a windshield wiper motor operated by a widely varying partial vacuum in said intake manifold, said motor having a working piston of such large effective area that it will drive the wiper with the minimum vacuum occurring in said manifold during normal operating conditions, said motor having such an excess of power when subjected to high vacuum that it will drive the wiper at excessive speed during high manifold vacuum conditions, and means responsive to degree of manifold vacuum for progressively restricting the flow of air from said motor to said manifold at all times except when the partial vacuum in said manifold is at its minimum operating value, said last mentioned means including a chamber of resilient material in the conduit between the vacuum motor and the manifold, said chamber in its uncollapsed state normally offering no resistance to the flow of air therethrough, but collapsible on increase in vacuum within said conduit to restrict the flow therethrough to thereby limit the degree of vacuum applied to said motor to that magnitude occurring in said manifold under low vacuum conditions.

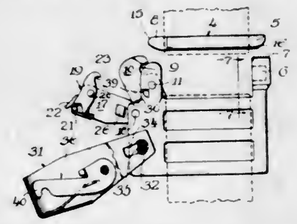
2,574,295
SACKING DEVICE WITH PIVOTALLY MOUNTED SACK SUPPORT
Harley J. Schoon, Canton, Ill.
Application October 7, 1948, Serial No. 53,220
1 Claim. (Cl. 226—58)



In combination with a receptacle having a discharge opening, a discharge spout adjacent the opening, a sack-supporting means movable to and from an operative position, said sack-supporting means comprising a plurality of spaced arms pivoted to said spout and having a transverse connecting stop bar at their rear ends, said stop bar being adapted to swing under said spout and contact the bottom of said receptacle to limit the outward swing of the arms and hold the arms in an operative and substantially horizontal position, sack-engaging hooks carried at the opposite ends of said arms for suspending a sack below said spout and discharge opening, and spring tongues carried by said spout for engaging said arms when said sack-supporting means is swung to an inoperative position to hold the sack-supporting means in a locked inoperative position.

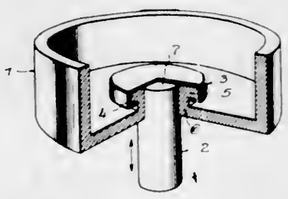
2,574,296
PARACHUTE CANOPY RELEASE
Elwood E. Smith, Chicago, Ill.
Application May 27, 1948, Serial No. 29,511
8 Claims. (Cl. 24—201)

1. In mechanism for connecting the canopy of a parachute to the harness on the body of the parachutist and for quickly and positively releasing the canopy under the control of the wearer, comprising a rigid body part securely attached to the harness and provided with means for connecting the canopy to the rigid body part but providing for the quick release and detachment of the canopy by the wearer, such means including a removable connecting piece adapted to bridge projecting ends on the opposite sides of the body part and having one end received in a recess in one of said projecting ends of the body part, a hook pivotally mounted on the other projecting end of the body part and notched to receive the other end of the connecting piece, said hook in closed position adapted to engage the other end of the connecting piece and retain the connecting piece in locked relation and capable of being moved to



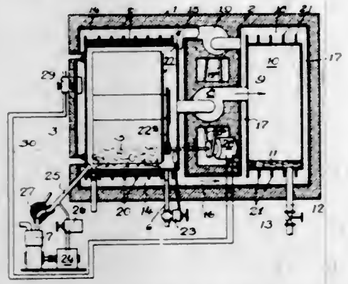
an open and release position by the pull on said connecting piece, and a latch assembly pivotally mounted on the body part adjacent said hook for retaining the hook in position for maintaining such other end of the connecting piece in rigid, locked relation and including a latch pivoted on the latch assembly and having an obstruction engaging and preventing movement of the hook until the latch has been released and the latch assembly moved away from the hook whereby the obstruction is withdrawn.

2,574,297
DIAPHRAGM SEAL FOR HIGH PRESSURES
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application July 31, 1946, Serial No. 687,260
3 Claims. (Cl. 137—157)



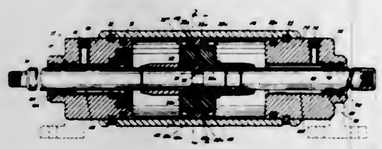
1. In a seal assembly, a container having a pressure chamber and an opening in a wall thereof, an actuating rod having an end conforming to and projecting into the opening and movable relative to the container, a unitary seal and diaphragm disposed wholly within the container and having a turned in peripheral portion, said diaphragm being of relatively thin and substantially uniform cross section, and a flange on said wall of the container about the opening therein and received within the turned in portion of the diaphragm to prevent leakage through said opening, said diaphragm being supported over the entire surface thereof on its side facing the opening and the actuating rod and being unsupported on the side facing the pressure chamber, said diaphragm operating said rod in response to the pressure of fluid within the container.

2,574,298
HEAT EXCHANGER CLOTHES DRIER
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application December 20, 1946, Serial No. 717,432
6 Claims. (Cl. 34—44)



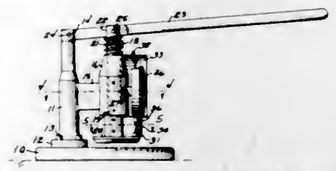
2. Apparatus for drying clothes comprising an insulated unit including a sealed evaporating chamber having an opening for the reception of wet clothes, a separate condensing chamber in communication with the evaporating chamber and disposed in heat exchange relation therewith, heating means for supplying heat to the exterior of the evaporating chamber for heating the interior thereof, temperature responsive means for controlling said heating means, a vacuum pump for reducing the gaseous pressure in the evaporating chamber below the vapor pressure of the liquid in the clothes at the temperature selected to cause vaporization of the liquid and thereby absorb heat, means for stopping the operation of the vacuum pump upon attainment of a predetermined low pressure, a pump for withdrawing this vapor from the evaporating chamber and discharging it at an increased gaseous pressure in the condensing chamber, said increased pressure being above the vapor pressure of the liquid to thereby cause condensation of the vapor and a consequent release of heat, a heat exchange surface for transferring a portion of the released heat to the exterior of said evaporating chamber to aid in vaporization of liquid still remaining in the clothes to thereby conserve heat, and means depending upon the condition of dryness of the materials for terminating operation of said pump.

2,574,299
PISTON CONSTRUCTION
Vance C. Sterrett, Logansport, Ind.
Original application December 31, 1947, Serial No. 794,975, now Patent No. 2,493,602, dated January 3, 1950. Divided and this application August 5, 1949, Serial No. 108,779
9 Claims. (Cl. 309—4)



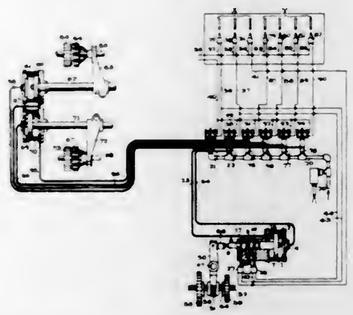
1. In a fluid motor comprising a cylinder and heads thereon, a piston rod guided in the heads having an intermediate annular recess, a ring fitted in the rod recess and extending beyond its periphery, piston discs on the rod at opposite sides of said ring, a second ring overlapping the proximate faces of the discs serving to hold them in engagement with said first ring and piston packings carried on the peripheries of said discs at each side of said second ring.

2,574,300
VENEER GAUGE
Cecil J. Stone, Sr., Bristol, Tenn.
Application October 12, 1949, Serial No. 121,019
1 Claim. (Cl. 33—147)



In a device for measuring the thickness of articles, a horizontally disposed base, a vertically disposed post projecting upwardly from said base and secured thereto, a horizontally disposed brace having one end connected to said post intermediate the ends thereof, a hollow casing spaced from said post and supported by said brace, a vertically disposed shaft slidably arranged in said casing, a horizontally disposed platen secured to the lower end of said shaft and mounted for movement toward and away from said base, there being a shoulder on the lower end of said shaft adapted to engage said casing for limiting upward movement of said shaft, a handle pivotally connected to the upper end of said post and shaft for moving said platen towards said base, a coil spring circumposed on said shaft and engaging said handle for urging said platen away from said base, an indicating instrument, a lug on the rear of said indicating instrument, means passing through said lug into said casing whereby said indicating instrument is supported by said casing, an operating stem carried by the indicating instrument and actuated upon movement of said platen.

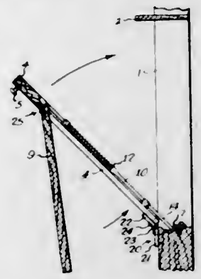
2,574,301
AUTOMATIC SPEED AND FEED CHANGE MECHANISM FOR MACHINE TOOLS
Harold B. Soule, Barrington, and Gordon W. Smithson, Pawtucket, R. I., assignors to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application March 31, 1948, Serial No. 18,126
2 Claims. (Cl. 74—335)



1. In an automatic turret lathe, the combination of a spindle and a co-operating turret-slide

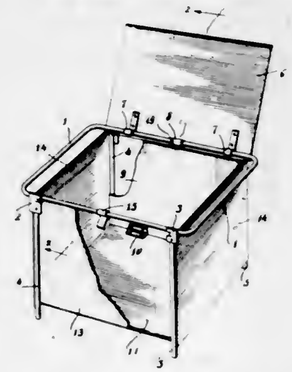
movable to and fro relative to the spindle; means for actuating said slide including a change-feed-mechanism; pneumatically operated means to set the change-feed-mechanism in various selected feed positions; said pneumatically operated means comprising a cylinder and a piston reciprocable therein and operatively connected to said change-feed mechanism, a source of air-pressure supply connected to said cylinder on opposite sides of said piston to reciprocate said piston from one extreme position to the other extreme position, an air valve in each air connection to said cylinder for controlling the air supply to each side of said piston, solenoids for actuating each valve respectively, an electric circuit for each solenoid including a control switch therein; a control dog-drum driven by the slide actuating means and including pre-settable dogs thereon to selectively close and release said control switches to energize and deenergize said solenoids for opening and closing said valves selectively; two conditioning switches arranged to be actuated by the opposite movements of said piston to alternately open and close said conditioning switches when said piston is moved in either direction from either of its extreme positions to the other extreme position, and both conditioning switches being released to open, when said piston is moved into an intermediate position, each of said conditioning switches being electrically connected respectively to one of said solenoids controlling air supply for moving the piston toward its other extreme position and shunting said control switches; and another control switch positioned to be selectively actuated by a dog on said drum for closing electrical current supply to said conditioning switches for energizing the solenoid connected to the closed conditioning switch to apply air pressure to move said piston toward its other extreme position until said last mentioned conditioning switch is opened at said intermediate position of said piston, whereby said piston is actuated through said dog drum at pre-determined times in the operation of the machine from one extreme position to the other without stopping at an intermediate position or from either extreme position to an intermediate position, or vice versa, to automatically and preselectably shift and change-feed mechanism to change-feed positions.

2,574,302
FOLDING WALL SEAT
Julius E. Turner, Oklahoma City, Okla., assignor of one-half to Robert S. Turner, Oklahoma City, Okla.
Application October 24, 1949, Serial No. 123,185
12 Claims. (Cl. 155—83)



1. A wall seat including: a panel having its lower end hinged to a wall above a floor, whereby the panel may be swung downwardly from a vertical position parallel to the wall, to a horizontal position outstanding from the same; a leg hinged at its upper end to the upper central portion of the panel; spring means for urging the leg to a vertical panel-supporting position beneath the panel when the panel assumes a horizontal position; and means for maintaining said leg in a vertical position as the panel is moved to a vertical position along the wall.

2,574,303
FOLDABLE CASE, BOX, OR CONTAINER
Marius van Cappellen, Voorburg, Netherlands
Application July 16, 1947, Serial No. 761,325
In the Netherlands April 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1966
2 Claims. (Cl. 217—15)



1. A foldable box comprising a rectangular frame member, a pair of end walls pivotally connected to respective opposite ends of said frame in a manner to be unfolded from positions parallel to said frame to positions perpendicular to the frame and opposite to each other, an articulated side and bottom wall member consisting of a side wall section pivotally connected to a bottom wall section that is in turn pivotally connected to an opposite side wall section, said articulated member being pivotally connected to one side of said frame intermediate the frame ends to which said box end walls are connected in such manner that the articulated member may be unfolded from a position parallel to said frame to a position forming opposite side walls and a bottom wall intermediate the unfolded positions of said end walls.

2,574,304
NAIL HOLDING ATTACHMENT FOR HAMMERS
Bonancio Vigil, Capulin, Colo.
Application January 24, 1947, Serial No. 723,948
1 Claim. (Cl. 145—30)

A device of the class described, comprising a body portion adapted to be secured over the head of a hammer substantially enclosing the major portion of the head of the hammer, said body portion including yieldable side members extending along opposite sides of the hammer head and handle, the free ends of the side members being curved outwardly providing tongues, a securing clamp secured to the tongues and holding the side members in close engagement with the sides of the hammer head, one of said side members having a slot extending inwardly from one edge thereof, portions of said one side member adjacent to the slots being spaced from the ham-

mer head on which the device is positioned, spring fingers secured to the body portion, said spring fingers being disposed within the spaces adjacent to the edges of the slot, whereby a nail

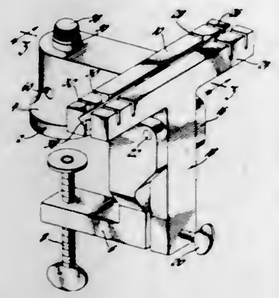


may be gripped between said fingers with the head of the nail abutting the hammer head for securing a nail to the hammer for the initial positioning of the nail with the hammer, preparatory to driving the nail.

2,574,305
ACTIVATING PROCESS FOR PLATING
Robert M. Wagner, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application September 22, 1948, Serial No. 50,673
5 Claims. (Cl. 204—29)

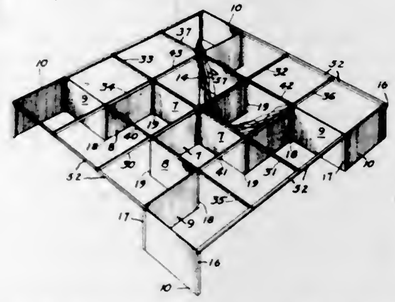
1. A process of activating a metallic part having a plating of chromium thereon so that an adherent, metallic coating may be electrodeposited thereover which consists essentially in making the chromium plated part the cathode in a solution consisting essentially of 6 to 32 ounces of nickel sulfate and 6 to 32 fluid ounces of commercial concentrated hydrochloric acid per gallon of water, and passing direct current from a nickel anode through said solution to the chromium plated part at a cathodic current density within the range of 15 to 150 amperes per square foot for a time within the range of approximately 10 to 30 seconds, said solution having a temperature within the range of approximately 70° F. to 125° F.

2,574,306
CLAMPING FIXTURE
Vernon L. Walker, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 13, 1947, Serial No. 791,493
4 Claims. (Cl. 29—67)



1. In a clamping fixture, a plurality of relatively movable jaw means having a series of generally transverse slots spaced axially with relation to the jaws and having, adjacent a portion of the slots therein, geometrical recesses whose axes are located in various positions with respect to the central planes of the associated slots.

2,574,307
BUILDING STRUCTURE
John J. Whelan, Portland, Oreg., assignor, by mesne assignments, to Timber Structures, Inc., a corporation of Delaware
Application May 20, 1946, Serial No. 670,865
2 Claims. (Cl. 189—1.5)

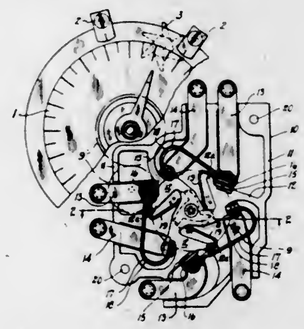


1. In an airplane hangar structure, the combination comprising a plurality of similar rectangular wall sections defining in part a pair of T-shaped airplane compartments, said compartments facing in opposite directions with wide airplane entrance openings thereto in opposite sides of said hangar, a pair of said wall sections being arranged in a parallel spaced apart relation and forming the side walls of the inner end portions of each of said compartments, a pair of parallel beam members resting and supported on the upper edges of corresponding ones of said pairs of parallel wall sections, said beam members extending parallel with said wall sections, the outer ends of said beam members projecting to the outermost ends of said compartments above said openings, an upright pole arranged centrally of said structure, a relatively flat roof supported centrally of said hangar upon said pairs of parallel wall sections, the outer corner portions of said roof structure being supported upon the upper edges of the other of said wall sections defining outer portions of said compartments, the portions of said roof structure over said entrance openings resting upon the outwardly projecting end portions of said pairs of horizontal beam members, said upright pole extending a considerable height above said roof structure, and tension members extending between the upper end of said upright pole and the outer ends of said pairs of beam members and supporting portions of said roof structure and beam members over said entrance openings.

2,574,308
MULTIPLE POLE SWITCH FOR TARIFF CLOCKS
Ernst Widmer, Oberwil-Zug, Switzerland, assignor to Landis & Gyr, A. G., Zug, Switzerland, a body corporate of Switzerland
Application February 4, 1948, Serial No. 6,332
In Switzerland February 15, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1960
1 Claim. (Cl. 200—6)

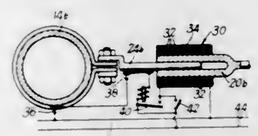
An electrical switch comprising, in combination, an insulated base member having side walls

and a central chamber, a cam element in the chamber rotatable about an axis, three sets of cooperating stationary and movable contacts symmetrically arranged in said chamber about said axis, a plurality of reentrant walls integrally formed with the side walls of said base member and extending into said chamber adjacent respective ones of said sets of contacts said reentrant walls each interrupting straight line communication between its adjacent set of con-



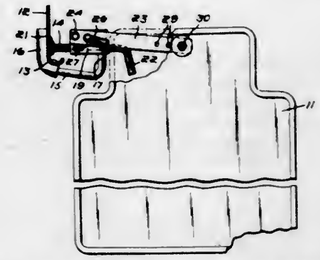
tacts and the other sets of contacts and cam element, a curved leaf spring for each movable contact mounting said contacts for movement in a plane substantially perpendicular to the axis of said cam element said springs being arranged to curve about said reentrant walls, and curved engagement members one secured to each movable contact, curved about a said reentrant wall and having an end adjacent said cam element for engagement thereby to actuate said movable contacts.

2,574,309
SWAY BRACE
Joseph Kaye Wood, New York, N. Y., assignor to General Spring Corporation, New York, N. Y., a corporation of New York
Application August 4, 1945, Serial No. 608,924
10 Claims. (Cl. 248—58)



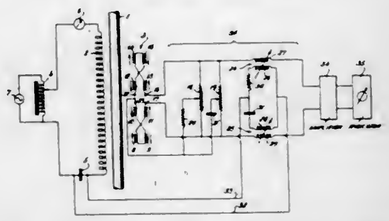
7. A device for steadying against vibration, inertial forces and the like, an apparatus subject also to slower or persistent movements toward one side or the other of the current mean of said vibratory or inertial movements, which comprises overlapping connecting members through which the steadying force is transmitted, one of said members being connected to said apparatus and the other being connected to an anchorage and one of said members including non-harmonic spring means adapted to accommodate oscillatory movements by resilient deflection, a releasable lock normally securing said members together for transmission of said steadying force, and a lock-releasing mechanism responsive to shifting of the mean position of said apparatus arranged to release said lock until accumulated stresses are substantially relieved.

2,574,310
FENDER FLAP SUPPORT
Louis Zaiger, Swampscott, and Robert I. Lappin, Marblehead, Mass.
Application May 26, 1949, Serial No. 95,487
9 Claims. (Cl. 280—154.5)



1. A bracket for supporting a fender flap on the side wall or bottom flange of an automobile fender, comprising a substantially U-shaped clamp having one leg adapted to engage the outside of the fender and the other leg disposable in spaced relation to the inside of the fender, a clamping screw threading in said other leg and having an end adapted to engage the inside of the fender, a coupling member fixed to said other leg and extending inwardly thereof toward said one leg, a flap-supporting arm pivotally connected to said coupling member for angular movement relative to said clamp, and fastening means engaging said arm and coupling member remote from said pivotal connection for releasably securing said arm in adjusted angular position.

2,574,311
MAGNETIC TESTING OF ELONGATED MATERIAL
Theodore Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application May 5, 1949, Serial No. 91,454
9 Claims. (Cl. 175—183)



1. A system for testing magnetic material which comprises: an energizing circuit including a coupling element and an energizing coil adapted to be disposed in magnetic relation to material under test; a detecting circuit including a plurality of symmetrically disposed series-connected detecting coils adapted to be placed in magnetic relation to said material; indicating apparatus; a coupling circuit serving to couple said detecting circuit to said apparatus; means included in said coupling circuit and connected to said detecting circuit for introducing into said coupling circuit and thus into said indicating apparatus a component of detected voltage adjustable as to phase and magnitude; a phase-adjusting circuit; adjustable coupling devices serving to couple said phase-adjusting circuit to said coupling circuit;

and connections effectively connecting said coupling element in said energizing circuit and said phase-adjusting circuit for introducing into said coupling circuit and thus into said indicating apparatus a component of energizing voltage adjustable by said adjustable coupling devices as to phase and magnitude.

2,574,312
CLOSURE OPERATING MEANS
Juan Manuel Camani Altube, Rosario, Santa Fe, Argentina
Application November 18, 1947, Serial No. 786,682
In Argentina July 29, 1947
2 Claims. (Cl. 160—206)



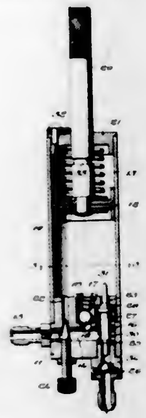
1. A closure device, comprising, a channel type guide having an abutment at one end; a plurality of closure units movable toward and from said abutment and each unit including co-planar arms arranged end to end at the open side of the guide, and links each having one end pivoted to the medial portion of one arm and its other end pivoted to the adjacent end of a contiguous arm; means for supporting the units in the guide for slidable movement relative thereto from a position parallel with the guide to a position at right angles thereto, said supporting means comprising a cylindrical bearing lug secured to one end of each arm of a unit and extending into the open side of the guide, said lug mounted coaxially with the end of the link opposite the end thereof which connects with the medial portion of the arm, and cooperating cam and abutment means respectively on the movable unit and on the guide for swinging the end of the arm opposite the bearing lug away from the plane of the guide when a force is applied to one of the units.

2,574,313
WIRE COATING COMPOSITIONS
Robert J. Anderson, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 23, 1948, Serial No. 50,873
6 Claims. (Cl. 260—19)

1. A wire coating composition consisting of 100 parts of a polyvinyl formal resin and from 40 to 150 parts of a soluble, fusible, heat-hardenable reaction product of 1 mol of a phenol with from 0.75 to 2 mols of formaldehyde and from 5 to 50 parts, based on 100 parts of the phenol, of a drying oil.

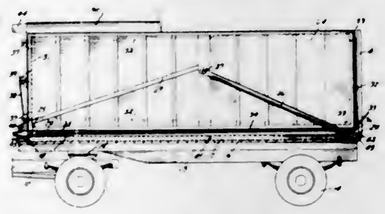
2,574,314
TIMING DEVICE
Thomas R. Arden, Danbury, Conn., assignor to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application February 26, 1948, Serial No. 11,200
6 Claims. (Cl. 137—139)

1. A timing device comprising a cylinder, a head closing one end of said cylinder and having therein passageway means constituting part of a liquid supply line, a piston in said cylinder movable toward and away from said head, means for the free flow of liquid from said passageway means into said cylinder between said head and said piston when said piston is moved away from said head, spring means to move said piston toward said head, releasable means to hold said piston in a definite starting position spaced from said head, means providing two outlets for liquid from said cylinder to said passageway means, a spring biased valve maintaining one of said outlets closed against pressure generated in said cylinder by movement of said piston toward said head by said spring means, a valve adjustable to vary the effective cross sectional area of the other of said outlets to regulate the rate of flow



of liquid from said cylinder to said passageway means and thereby vary the time required for movement of said piston from its starting position a predetermined distance toward said head, means whereby said piston acts positively to open said spring-biased valve following a predetermined amount of movement of said piston toward said head thus to permit free flow of liquid from said cylinder to said passageway means and consequent quick movement of said piston during the final part of its movement toward said head, and other valve means operable by said piston during the final quick portion of its movement toward said head to close said passageway means against flow of liquid therethrough.

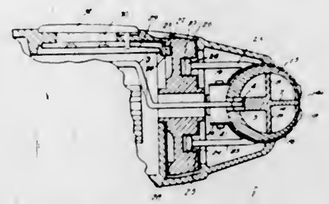
2,574,315
SELF-UNLOADING VEHICLE
William B. Atkinson, Colorado Springs, Colo.
Application January 27, 1950, Serial No. 140,898
3 Claims. (Cl. 214—82)



1. A self-unloading vehicle comprising: a vehicle chassis; longitudinally extending tracks on said chassis; a traveling dolly arranged to travel along said tracks; a body hingedly mounted on said dolly at the forward extremity of the former;

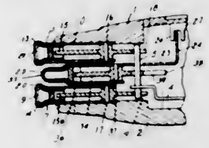
a toggle arm extending rearwardly from the midportion of each side of said body to a hinged connection with the rear extremity of said chassis so that as said dolly moves rearwardly, said rear extremity will be swung upwardly; a winding drum; a flexible member extending from said dolly to said winding drum for actuating said dolly rearwardly; a movable bulkhead in said body; and means for moving said bulkhead rearwardly to force a load from said body.

2,574,316
ELECTRICAL SHAVING DEVICE
Emil G. Berg, Erie, Pa., assignor to Jet Electric Shaver Corporation, New York, N. Y., a corporation of New York
Application February 6, 1950, Serial No. 142,609
2 Claims. (Cl. 30—43)



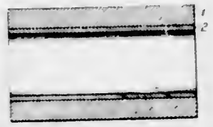
1. In a device of the type described, a member having a series of slots arranged widthwise thereof and defining a series of relatively thin and narrow cutter bars, a pair of opposed, adjustable, arcuate shaped guards on said member for progressively covering over the end portions of said slots therein, arms extending outwardly from said guards, a cam wheel with indicia on the periphery thereof having cam slots in one side thereof for receiving the ends of said projections of said guards and equally spaced grooves on the inner side of a recessed portion on the opposite side thereof, a case in which said elements are disposed having an opening for inspecting the indicia on the periphery of said wheel, a finger engaging the inner grooved portion of said cam wheel for locking it in a predetermined position, a spring for urging said finger into the inner grooved portion of said cam wheel, and a handle on said finger extending outwardly through an opening in said case whereby it may be manually pressed inwardly to release said wheel from said finger to adjust said guards.

2,574,317
ELECTRICAL SHAVING DEVICE
Emil G. Berg, Erie, Pa., assignor to Jet Electric Shaver Corporation, New York, N. Y., a corporation of New York
Application February 6, 1950, Serial No. 142,610
10 Claims. (Cl. 30—43)



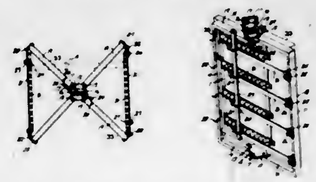
1. An electric shaver comprising a body, spaced, parallel heads on said body having transverse slots, cutters in said heads, a center cutter head having comparatively wide transverse slots disposed between said side heads, a cutter in said center head, means for moving said center head and cutter relative to said side cutter heads, and means for oscillating the cutters in all of said heads.

2,574,318
ALUMINUM ALLOY
Hans Burkhardt, Oberursel-on-Taunus, near Frankfurt-on-the-Main, Germany, assignor to Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a corporation of Germany
Application September 9, 1949, Serial No. 114,883
In Germany October 1, 1948
4 Claims. (Cl. 75—138)



1. An alloy consisting of 0.5 to 3% of calcium, 0.5 to 3% of iron, and the remainder aluminum.

2,574,319
SMOKEHOUSE MEAT RACK
John O. Cadwallader, Rocky Ford, Colo.
Application December 12, 1949, Serial No. 132,615
7 Claims. (Cl. 211—118)



1. A rack for supporting meats for smoking operations, comprising: a relatively flat, vertical, open, rectangular main frame; a sidewardly facing U-shaped frame having a vertical member and top and bottom members at each side of said main frame, the inner ends of said top and bottom members being hinged adjacent the middle and on opposite sides of said main frame so that they may be swung to a position parallel to the main frame or at right angles thereto; and rack bars pivoted to the vertical members of the main frame and extending to detachable connections on the vertical members of the U-shaped frames when the latter are positioned at right angles to the main frame.

2,574,320
SHOE SOLE STRAIGHTENER
John D. Corrigan, New York, N. Y.
Application June 13, 1950, Serial No. 167,811
1 Claim. (Cl. 12—129.1)



A shoe sole straightener comprising, an upwardly arched bridge portion having a trans-

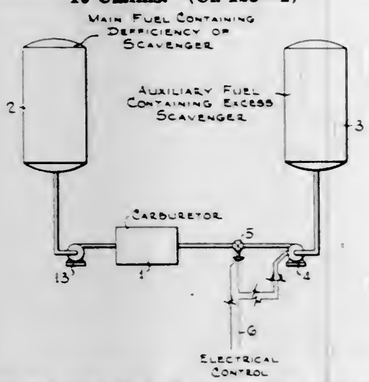
verse concave top bar engageable with the sole tip of a shoe, a pair of relatively long arms connected with the ends of said bridge portion and extending rearwardly therefrom, relatively short upturned fingers at the rear ends of said arms, and laterally inwardly extending eye-shaped lugs carried by said fingers and engageable with edge portions of the sole at the shank of said shoe, said sole straightener being a one-piece structure comprising a single length of resilient but relatively stiff wire stock, said bridge portion being the toe end portion of said single length of wire and said arms being the main portions of said single length which are adjacent to said toe end portion and said finger and lug portions being the shank end portions of said single length, said arms being flexible throughout substantially their full length such as to constitute spring elements adapted to releasably hold said lugs in engaged relation with said edge portions of said sole and such as to be flexibly swingable on said bridge portion to permit spreading of said lugs for applying the straightener to or removing the same from a shoe, the top bar of said bridge portion and the end portions of said lugs being flattened portions of said single length of wire stock, said arms being disposed in crossed relation to each other with the point of arm crossing located at approximately the midpoint of the length of the straightener and the lower of said arms having an offset therein at said point of arm crossing.

2,574,321

PROCESS FOR OPERATING INTERNAL-COMBUSTION ENGINES AND FUEL THEREFOR

Gordon W. Duncan, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 16, 1949, Serial No. 99,585
10 Claims. (Cl. 123—1)



1. In the operation of an internal combustion engine utilizing a fuel containing an alkyl lead compound and no more than one theory of a lead scavenging agent, the improvement which comprises operating said engine at periodic intervals with a fuel which is characterized by containing a theoretical excess of said scavenging agent.

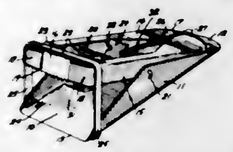
2,574,322

MOUSE TRAP

Frank E. Fitzsimons, St. Louis, Mo.

Application November 7, 1949, Serial No. 125,981
4 Claims. (Cl. 43—81)

1. A rodent trap comprising: a base plate; two upwardly turned sides on said base plate; a jaw frame; two downwardly turned side flanges on said jaw frame; a downwardly turned front flange on said jaw frame, said side flanges being positioned between the sides of said base plate; a hinge pin extending through said sides and flanges at a point substantially midway of the length of said base plate and jaw frame so that said frame will be tiltably mounted on said base plate, both said base plates and said jaw frame being elongated and flat and of substantially equal length so that they will lie spaced-apart and parallel to each other throughout their



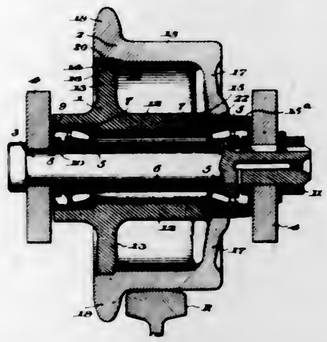
lengths at the middle of the arc of tilt of said jaw frame; a trigger member mounted on said hinge pin; a trigger wire hingedly mounted on the rear extremity of said base plate and adapted to extend forwardly over the rear extremity of said frame into engagement with said trigger member, there being an opening in said frame for the passage of said wire, and an endless contractable element surrounding the forward extremities of said frame and said base plate and acting to urge said forward extremities toward each other.

2,574,323

DOUBLE-WEBBED RAIL WHEEL

Henry Fort Flowers, Findlay, Ohio

Application January 20, 1947, Serial No. 723,126
3 Claims. (Cl. 295—21)



3. A double webbed rail wheel comprising a hub and a rim having a rail engaging portion and a rail flange at one side of the rail engaging portion, a rim supporting web integral with the hub and disposed at the flanged side of the rim and adapted to engage said rim at the inner face thereof, a second rim supporting web formed integral with the rim and disposed at the opposite side thereof from said rail flange, said last named supporting web extending inwardly from the rim and adapted to make contact with said hub, said webs having wedge fitting engagement with the rim and hub respectively, said wedge fitting parts being shaped and positioned so that the lateral thrust of the load on the hub restrained by the flange on the rim holds the wedge fitting parts in assembled position, and means for limiting the extent of wedge fitting engagement.

2,574,324

MANUFACTURE OF PYRAZINES

Richard Paul Germann, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 14, 1949, Serial No. 133,013
2 Claims. (Cl. 260—250)

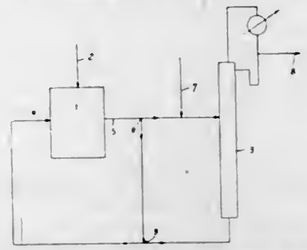
1. The method of producing halogenated pyrazines in the vapor phase which comprises admixing vaporized pyrazine and a diluent selected from the group consisting of water vapor, nitrogen and carbon dioxide in amounts sufficient to permit ready maintenance of a contact time of 0.5–15 seconds at a reaction temperature of 350–500° C.; admixing therewith 0.85–0.95 mol of a halogen selected from bromine and chlorine and 0.5–2.0 mols of sulfur dioxide per mol of pyrazine; pre-heating the mixture to 250–450° C.; passing the pre-heated mixture through the reaction chamber at a reaction temperature of 350–500° C.; maintaining the contact time from 0.5–15 seconds; condensing the reacted mixture and isolating the monohalogenopyrazine content of the condensate.

2,574,325

MANUFACTURE OF ALCOHOLS FROM OLEFINS

André Gislon and André Marie Valet, Paris, France, assignors to Compagnie Française de Raffinage (Société Anonyme), Paris, France

Application October 15, 1947, Serial No. 780,018
In France August 23, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 23, 1966
4 Claims. (Cl. 260—639)



1. A process for making alcohols which comprises, continuously feeding an olefine to an aqueous acid bath to absorb said olefine in the bath and hydrate said olefine to an alcohol, continuously removing alcohol-containing acid solution from said bath, feeding a first portion of said removed solution to a column to separate by distillation alcohol and water in said solution from the acid, recirculating the remainder of said removed solution directly to said bath, returning the acid from said distillation step to said bath and regulating the proportions of said first portion of removed acid solution and said remainder of removed acid solution to maintain the alcohol concentration in said bath approximately at an optimum value that produces the maximum olefine absorption rate.

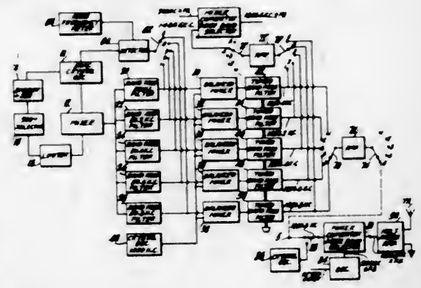
2,574,326

GENERATING GROUPS OF CURRENTS

Hallan E. Goldstine, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 2, 1947, Serial No. 789,255
3 Claims. (Cl. 250—36)

1. In apparatus for generating a plurality of oscillatory energies of substantially fixed frequencies uniformly spaced in the frequency spectrum, in combination, an oscillation generator of substantially fixed frequency F, a mixer having one input coupled to the oscillation generator, a frequency divider having a division factor N and a current amplitude limiter in cascade in a coupling between the oscillation generator and another mixer input and a plurality of band pass filters, tuned to frequencies separated in the frequency spectrum by a frequency equal to F divided by N, coupled to the mixer output to select said plurality of oscillatory energies.

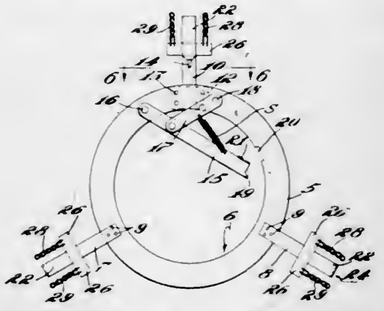


2,574,327

TRACTION DEVICE FOR AUTOMOTIVE TIRES

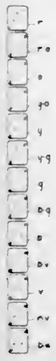
George A. Grady, Boston, and Joseph M. Walsh, Roslindale, Mass.

Application September 25, 1948, Serial No. 51,154
4 Claims. (Cl. 152—223)



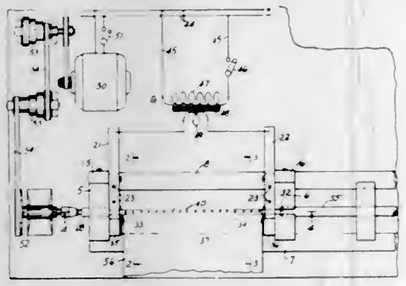
1. A traction device for use with the tire of an automobile wheel, said device comprising a rigid annulus, designed to be located at the outside of and substantially coaxial with the wheel, three rigid radial arms associated with the annulus, said arms being spaced 120° apart from each other, the inner ends of two of the arms being permanently fixed to the annulus, means carried by the annulus providing a guide in which the third arm is slidable radially and which prevents other movement of said arm, a lever pivotally attached to the annulus, a link uniting the lever to the radially slidable arm whereby movement of the lever moves the arm in and out, means for locking the lever to hold the radially slidable arm rigid in operative position, a pair of road contacting chains associated with each arm, each chain being of a length to embrace the tire loosely when the device is in use, and anchorages carried by each respective arm for positioning the opposite ends of each chain adjacent to the inner and outer side walls respectively of the tire.

2,574,328
COLOR HARMONIZING CARD GAME
Paul H. Hartley, Westport, Conn.
Application June 30, 1949, Serial No. 102,335
3 Claims. (Cl. 273—152)



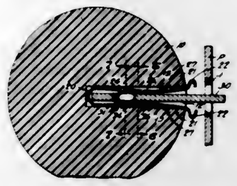
1. A game of the class described comprising a plurality of groups of cards with the front sides of the cards bearing different colors, the colors of the cards of each group being in harmony and respectively comprising the primary and intermediate colors of the spectrum, the colors of the cards of the several groups being of different color casts, the back of each card bearing a symbol designating the group to which the card belongs, and the front side of each card bearing a symbol designating its proper spectrum location in its group.

2,574,329
PROCESS AND APPARATUS FOR PRODUCING LAMINATED PAPER TUBES
Charles B. Hemming, New Rochelle, N. Y., assignor to United States Plywood Corporation, New York, N. Y., a corporation of New York
Application September 22, 1945, Serial No. 618,036
12 Claims. (Cl. 93—81)



3. In a device for producing paper tubing, supporting members, one of said members having a slot therein, a mandrel, one end of the mandrel resting in said slot, said mandrel being hollow and provided with a series of perforations, a vacuum line connected to one end of said mandrel for applying suction to a sheet of paper, an electric motor for rotating said mandrel, electric contacts connected to said mandrel for forming an electrical path through said mandrel whereby the electricity will heat the same, means for pivotally mounting one of said contacts so that said contact will contact said mandrel in operating position and to permit removal of one side of the mandrel through the slot in the supporting member in open position, said electric motor and said electric contacts connected to the same source of electricity, a pair of gravity weights eccentrically mounted on pivots, a pressure bar fixedly secured to said weights whereby a uniform constant pressure will be applied against the paper being wrapped on said mandrel.

2,574,330
FASTENING DEVICE
Charles H. Judd, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 12, 1947, Serial No. 768,202
7 Claims. (Cl. 287—53)



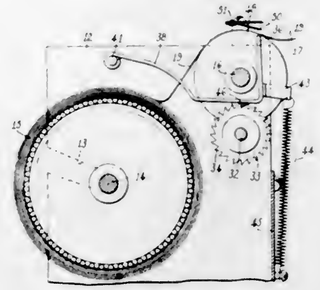
1. A joint or connection comprising connected members, one of said members comprising a stud or shank provided with a hole and the other member including a recess receiving said stud, and a fastener securing said stud in said recess comprising a piece of sheet metal bent to define a pair of spaced body portions receiving said stud, a tongue extending inwardly from one of said body portions received in said hole in the stud, another tongue extending inwardly from one of said body portions having resilient bearing engagement with the surface of said stud, and means projecting outwardly from a body portion anchoring the clip in said recess.

2,574,331
HYDROGENATION OF UNSTABLE PETROLEUM WAX
William T. Knox, Jr., Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 29, 1947, Serial No. 782,951
3 Claims. (Cl. 196—21)

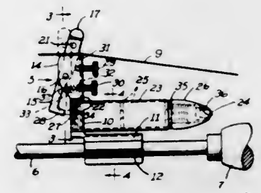
1. A process for hydrogenating unstable petroleum wax comprising the liquid phase hydrogenation of the wax over a catalytic material consisting of platinum incorporated with alumina having ultramicroscopic pores in which a temperature of about 400° F., a pressure of about atmospheric to 300 p. s. i., a hydrogenation feed rate of 100 to 200 cubic feet per barrel, and a wax feed rate of 0.5 to 2 v./v./hr. is employed.

2,574,332
TAPE-DISPENSING DEVICE
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application June 29, 1946, Serial No. 680,439
11 Claims. (Cl. 164—84.5)

1. In a machine for feeding pressure-sensitive tape, a frame, feeding means mounted on the frame including a rotating member to which the tape adheres, a vibratory stripping device mounted on the frame independently of said feeding means and disposed laterally of said member, and means for continuously vibrating said device to cause it to engage the tape and strip it from said member.

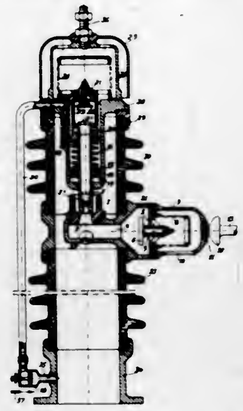


2,574,333
FISH POLE LIGHT ATTACHMENT
Leonard P. Kuczynski and Herbert J. Kuczynski, Rockford, Ill.
Application May 28, 1947, Serial No. 751,104
10 Claims. (Cl. 43—17)



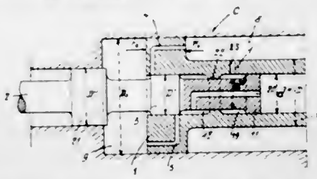
1. In a device of the character described a frame of elongated form forked at its opposite ends, the fork at one end being large enough to accommodate a fishing rod and having a means to secure the rod therein, said frame having a socket provided therein intermediate its ends, a flashlight assembly including a housing mounted in said socket for support, said housing enclosing one or more batteries and supporting an electric light bulb operatively associated with said batteries, said frame having an opening provided therein opening into the inner end of said socket, an elongated contact arm pivotally mounted intermediate its ends in the other forked end of said frame and having a projection on one end thereof arranged to engage the exposed end of one of said batteries through the aforesaid opening upon rocking motion of said contact arm, whereby to cause the light bulb to be lighted, spring means on said frame tending normally to urge the arm toward a retracted position relative to said battery, a manually operable means on said frame arranged when operated to move said arm in the opposite direction against the action of said spring means to turn the light on, and means on the other end of said arm for detachably connecting a fishline thereto.

2,574,334
AIR-BLAST CIRCUIT BREAKER
André Latour, Grenoble, France, assignor to Etablissements Merlin & Gerin, Grenoble, France
Application July 23, 1947, Serial No. 763,024
In France April 6, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires April 6, 1960
4 Claims. (Cl. 200—148)



1. A gas blast circuit breaker with a movable hollow contact element and a spring-loaded valve arranged coaxially to the movable contact element, comprising in combination, a chamber arranged at the end of the movable contact element opposite to the contact making face thereof; an aperture in said chamber for engagement of the end of the movable contact element opposite to the contact making face thereof; a seat for the valve arranged in said chamber opposite to said aperture; resilient means urging the valve away from said seat; and openings in said chamber connecting said valve seat to the atmosphere, whereby the valve is closed by the gas blast entering said chamber through the hollow contact element and is opened when the gas blast is cut off from said chamber by the closing movement of said contact element.

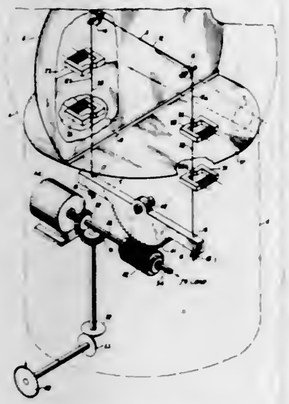
2,574,335
FLUID-PRESSURE MOTOR DEVICE FOR CONTROL SYSTEMS
René Leduc, Toulouse, France
Application February 21, 1948, Serial No. 10,060
4 Claims. (Cl. 121—41)



1. A fluid-pressure motor device for incorporation in a control system, comprising a stationary cylinder, a power-piston movable therein and having a piston rod extending through one end of the cylinder for connection to a controlled member, the piston and rod being centrally bored, an outlet in the piston rod outside the cylinder for exhausting fluid from its interior, an inlet in

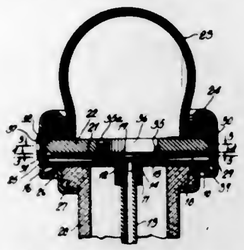
the cylinder on the same side of the power-piston as the piston rod for admission of fluid into the cylinder, two fluid-transfer passages in the power-piston communicating respectively with each face thereof and both terminating at ports in central bore of the piston, the relative positions, in the axial direction of the piston, of these ports being the opposite of those of the openings of their associated transfer passages on the faces of the piston, a controlling rod sliding in the end of the cylinder remote from the power-piston rod and entering the bore of the power-piston, said controlling rod carrying a piston element sliding in the bore of the power-piston for selectively opening one and the other of the said ports to provide communication respectively between the two faces of the power-piston and between the face thereof remote from the fluid inlet and the interior of the power-piston rod, according as the controlling rod is moved relatively to the power-piston towards or away from the end of the cylinder through which the power-piston rod extends, and carrying auxiliary surfaces subjected to the fluid pressure on either side of the power-piston and present differential areas to such fluid-pressure, such that a fraction of the force exerted by the fluid-pressure on either face of power-piston is fed back to the controlling rod, which thus experiences resistance proportional to the effort exerted on the controlled member by the power-piston rod.

2,574,336
WIND RESOLVER
Earl E. Libman, Brooklyn, and Edward Lohse, Ridgewood, N. Y., assignors to Control Instrument Company, Inc., New York, N. Y., a corporation of New York
Application January 8, 1949, Serial No. 69,914
5 Claims. (Cl. 73—432)



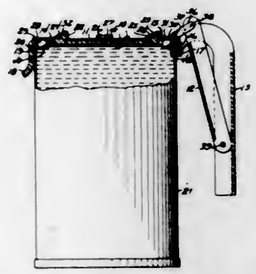
1. In an instrument responsive to the magnitude of the component of wind velocity at right angles to a line of reference, means for resolving wind velocity into its component across said reference line, a pair of vibrating systems having the same periods of vibration, means responsive to one of the resolved components of wind velocity and coacting with both said vibrating systems to simultaneously modify the periods of vibration thereof, means responsive to said modification in vibratory period to restore said vibrating systems to the same periods of vibration, and means controlled by said restoring means to give an indication of a measure of the velocity of said component.

2,574,337
ADJUSTABLE DISPENSING CLOSURE
Alex Limbach, Carmel, N. Y.
Continuation of application Serial No. 560,567, October 27, 1944. This application February 28, 1951, Serial No. 213,228
16 Claims. (Cl. 299—89)



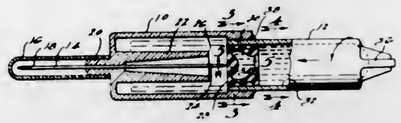
3. A dispensing closure comprising a cup having a central bottom aperture, said cup having its bottom inner face slightly concave, a flexible strip overlying said cup bottom, said strip being of less width than the diameter of said concave portion and being of proper length and end configuration to conform to the inner surface of the cup wall, a rigid disk overlying said flexible strip and having a central aperture, a hemispherical bulb having its rim resting on said disk with its periphery contacting the inner surface of the cup wall, means clamping the aforementioned members in assembled relation, said rigid disk being shaped at its periphery to form an annular chamber, at least one groove in the surface of said rigid disk facing said flexible member and extending between the central aperture of the disk and said annular chamber, and an aperture in said cup wall communicating with said chamber.

2,574,338
MILK CAN DISPENSER CLOSURE
Tom Lewis, Maryville, Tenn.
Application January 5, 1950, Serial No. 136,960
3 Claims. (Cl. 65—31)



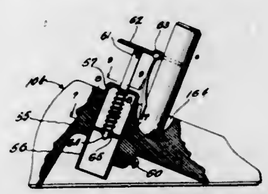
1. A can closure comprising a cap positioned over pouring and vent openings in the end of a can, said cap having a handle extended therefrom and having openings therethrough corresponding with the said pouring and vent openings of the can, a spring bar slidably mounted on the outer surface of the cap, valve elements carried by the said spring bar positioned to close the said pouring and vent openings of the can, a lever pivotally mounted in the handle, means connecting the lever to the said spring bar, and projections with sloping surfaces positioned on the outer surface of the cap for elevating parts of the spring bar to remove the valve elements from the pouring and vent openings as the spring bar is actuated by the lever pivotally mounted in the handle.

2,574,339
HYPODERMIC SYRINGE
Marshall L. Lockhart, Detroit, Mich.
Application February 3, 1945, Serial No. 575,980
1 Claim. (Cl. 128—220)



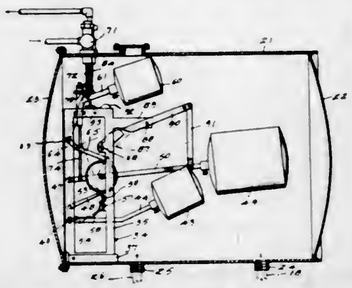
A hypodermic syringe including a tubular body having one open end, a wall for the opposite end of said body, a post extending from the inner face of said wall, within said body, towards the open end thereof and spaced from the inner face of said body, said body, end wall and post being all formed of a plastic material and integral with each other, a bored needle extending transversely of said end wall with the material of the latter intimately engaging and enveloping its adjacent faces, said needle having one of its ends extending beyond said wall and body, its opposite end extending longitudinally of and within said post to a point beyond the latter and short of the edge defining the open end of the tubular body, a stoppered ampule insertable through the open end of said tubular body to bring said stopper adjacent the latter end of said needle and cooperating camming means forming parts of said body and ampule to cause the latter end of the needle to penetrate said stopper and for the post to engage the latter.

2,574,340
PEN HOLDER
Charles A. Martin, Tupelo, Miss.
Application January 13, 1949, Serial No. 70,610
19 Claims. (Cl. 120—108)



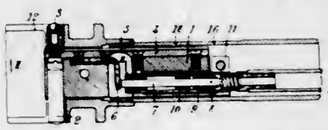
1. A holder for a fountain pen cap, comprising a base having a top, the base being provided with a socket having an open top directed through the said top of the base to receive the top end of the pen cap, the base also having a passage therein substantially parallel with the longitudinal axis of said socket, an elongate member having one end extended into said passage and extending at its other end a substantial distance above the top of the base, a pen cap engaging element carried upon the said other end of said elongate member, said elongate member being movable longitudinally in said passage, and means connected with said elongate member for urging movement of the pen cap engaging element into holding connection with a pen cap supported in said socket.

2,574,341
BOILER FEED TRAP
Delroy McBride, Twin Falls, Idaho
Application February 19, 1947, Serial No. 729,626
2 Claims. (Cl. 137—101)



1. A water feeding means for a steam boiler comprising a tank including a removable head, a float supporting frame in said tank, means removably securing said frame in said tank, a steam valve carried by said tank and connected to said boiler, said valve being normally biased to closed position, an exhaust valve normally biased to an opposite open position, a valve operating float rockably carried by said frame, means connecting said float with said valves whereby upon upward movement of said float said steam valve will be moved to open position, and said exhaust valve simultaneously will be moved to closed position, gravity actuated locking means carried by said frame for locking said float against upward movement, and float operated releasing means carried by said frame correlated with said locking means to thereby move the latter to released position when the water level in said tank reaches a predetermined height, and means connecting said tank with said boiler whereby the water in said tank will gravitate to said boiler at the time said steam valve is open and the pressure in said tank is equal to the boiler pressure.

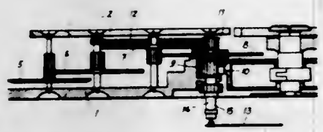
2,574,342
PNEUMATIC BORE GAUGE
Marcel Louis Mennesson, Neuilly-sur-Seine, France, assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine (Seine), France
Application September 28, 1945, Serial No. 619,098
In France December 28, 1944
7 Claims. (Cl. 33—178)



4. For measurement of the inner diameter of a bore in a piece, an apparatus which comprises, in combination, a body of elongated shape, two measuring punctual contact elements carried by said body near one end thereof and projecting on either side thereof respectively, at least one of said contact elements being elastically mounted on said body for movement with respect to the other contact element in a direction at right angles to the longitudinal dimension of said body and the distance between the outermost points of said contact elements in the state of rest being

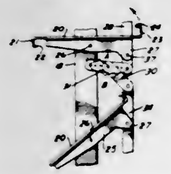
slightly greater than the theoretical inner diameter of said bore, pneumatic micrometry means carried by said body operative in response to relative displacements of said contact elements with respect to each other, a guide member surrounding said end of said body, at least a portion of the outer wall of said guide member being cylindrical and of a diameter slightly smaller than the theoretical diameter of said bore so that said guide member can engage in said bore with a slight play, a handle rigid with said guide member at least partly surrounding with play at least the central portion of said body and a portion of said pneumatic micrometry means, and limited amplitude lost motion interconnecting means between said body and said guide member for holding said body loosely secured in said guide member.

2,574,343
WATCH MOVEMENT CENTER SECOND HAND DRIVE
Friedrich Meyer, Grenchen, Switzerland, assignor to Felsa A.-G., Grenchen, Switzerland, a joint-stock company
Application August 6, 1947, Serial No. 766,559
In Switzerland April 26, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 26, 1964
8 Claims. (Cl. 58—59)



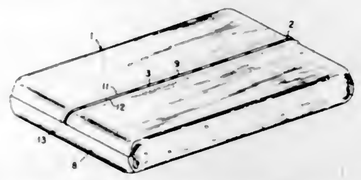
1. In a timepiece movement, a center seconds hand spindle, an arbor, a third wheel and pinion fixed to said arbor, a pinion fixed to said center seconds hand spindle and in mesh with said third wheel, a fourth wheel spindle, a fourth wheel fixed to said fourth wheel spindle, an intermediate drive means in engagement with the pinion of said center seconds hand spindle and in drive connection with said fourth wheel spindle.

2,574,344
JALOUSIE
Lee Miller, Gardena, Calif.
Application April 24, 1950, Serial No. 157,722
1 Claim. (Cl. 20—62)



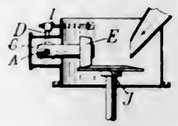
A jalousie comprising a frame; a plurality of louvers pivotally mounted on said frame in spaced relation to each other; means connecting a first portion of said plurality of louvers for joint pivotal movement; means connecting the remaining portion of said plurality of louvers for joint pivotal movement; and means connecting said two connecting means whereby one of said portions is mounted for pivotal movement from an initially fully closed position to a fully opened position while the other portion is mounted for pivotal movement from an initially fully closed position to a partially open position; and a single common actuating means for simultaneously effecting both of said pivotal movements.

2,574,345
JACKETING, PARTICULARLY FOR PACKETS OF DISPOSABLE TISSUES
Gertrude S. Montgomery, Scarsdale, N. Y.
Application July 10, 1950, Serial No. 172,808
1 Claim. (Cl. 150—52)



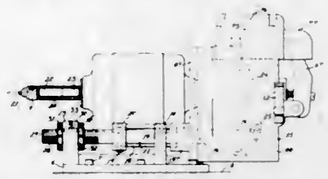
A jacket for a flat box-shaped article comprising a rectangular sheet of fabric having linear dimensions to produce an area at least slightly in excess of the outside area of said article, said fabric being folded inwardly from both side edges to meet across a center line, stitching along the upper and lower edges of the thus folded fabric, each of the four corners of said fabric being further folded inwardly toward the center a distance approximately equal to half the thickness of said article, additional stitching to fix permanently said further folds, said fabric then being turned inside out to assume a flat boxlike shape with a slotting across one face thereof.

2,574,346
TORSION-ROD MEANS FOR HOLDING GRINDING ROLLERS IN ADJUSTABLE COOPERATION WITH OPPOSING GRINDING ELEMENTS
Jean Moritz, Chatou, France
Application July 26, 1947, Serial No. 763,943
In France May 28, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 28, 1963
4 Claims. (Cl. 241—228)



1. A support for a roller grinder including the combination with a grinding element, of a roller shaft; at least one roller mounted on one end of the roller shaft and constantly cooperating with the grinding element; a torsion bar having one portion thereof disposed adjacent to the other end of said roller shaft at an angle thereto; a rigid connection between said portion of said torsion bar and said roller shaft for maintaining the latter in predetermined position; support means for said torsion bar forming bearing means therefor at one portion thereof independent of said rigid connection; at least one lever secured at one end to a portion of said torsion bar in such position that the supporting bearing means is disposed intermediate the lever and said rigid connection; and a rod having one end rigid with respect to said supporting bearing means and the other end adjustably connected to the other end of said lever.

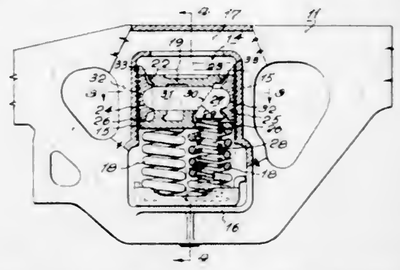
2,574,347
DRILLING UNIT
John Nelson, Rockford, Ill.
Application April 17, 1947, Serial No. 741,991
5 Claims. (Cl. 77—34.1)



1. A drilling apparatus comprising in combination, a base, a pair of parallel guide rods mounted on the base, an electric motor including a casing mounted for reciprocation on said guide rods and including an armature shaft journalled therein, means for mounting a tool on one end of said armature shaft, a cam housing mounted in fixed relation to said motor casing for reciprocation therewith on said guide rods, said armature shaft having an extension on the other end thereof projecting into said cam housing, a driven shaft rotatably and slidably mounted in said cam housing in coaxial relation to the extension on said armature shaft, said armature shaft extension and said driven shaft having frictionally engageable clutch members on the adjacent ends thereof, an axially movable thrust member and a spring between the same and a part of said cam housing for yieldably urging said driven shaft in the direction normally to engage said clutch members, a hollow rotary cam drum having an endless cam track thereon rotatably mounted in said cam housing surrounding said driven shaft and having in internal drive gear thereon, a drive pinion meshing with said internal drive gear, reduction gearing for driving said pinion from said driven shaft, means mounted on said cam drum engageable with said thrust member at one point in each revolution of the cam drum for rendering the clutch engaging spring inoperative to engage the clutch at the end of a cycle of cam movement, a manually controlled shifting member mounted in said housing and movable independently of said thrust member for independently shifting said driven shaft to engage the clutch members to start a cycle of cam movement, and a stationary cam follower carried by the base in engagement with the came track on the cam drum to impart a positive feed and positive return movement to the motor and tool unit upon rotation of said cam drum through a cycle of rotation.

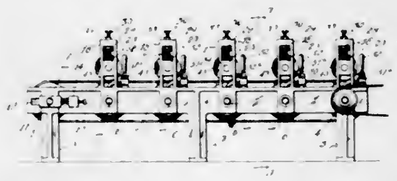
2,574,348
DAMPING MEANS FOR RAILWAY TRUCKS
Claude L. Orr and James C. Settles, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application April 30, 1945, Serial No. 591,190
17 Claims. (Cl. 105—197)

1. In a railway car truck, a side frame member provided with bolster guide columns arranged at opposite sides of a bolster opening, load supporting spring means supported by the side frame member, a bolster having a portion extending into said opening and vertically guided by said columns, said bolster portion being supported by said spring means, friction shoes mounted in opposite sides of said bolster portion and slidably engaging said columns, and a wedge means for urging said shoes into frictional engagement with the columns, said wedge means including a wedge supported by said load supporting spring



means, and a slidable thrust member movable substantially parallel to the side frame member.

2,574,349
MACHINE FOR GRINDING AND SMOOTHING ROLLERS
Henry Otten, Port Washington, N. Y.
Application March 28, 1950, Serial No. 152,448
8 Claims. (Cl. 51—145)

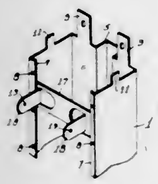


1. A roller grinding machine comprising a frame, a plurality of cylinders rotatably mounted on said frame, an endless abrading belt having one reach movable on and in contact with said cylinders, driving means and a driving connection between said driving means and at least one of said cylinders to rotate said cylinder, a bearing block at each of opposite sides of said reach of the endless abrading belt, guides on said frame in which said bearing blocks are mounted for sliding movement toward and from said belt reach, supporting centers for a roller to be ground one in each of said bearing blocks and one of which is rotatable, the axes of said centers being disposed in a common plane with the axis of one of said cylinders, whereby such a roller to be ground can be held in contact with said belt reach of said endless belt at the side thereof opposite said cylinder so that the cylinder will support said belt in opposition to the pressure of such roller on the belt, and driving means and a driving connection therebetween and said rotatable center to rotate the roller.

2,574,350
UNIVERSAL FORMED METAL DOOR FRAME
James F. Peelle, Richmond, Ind.
Application March 28, 1946, Serial No. 657,815
1 Claim. (Cl. 189—46)

A formed metal door frame comprising in combination, a reversible hinge jamb member and a reversible latch jamb member, each of said jamb members having primary and secondary lugs formed at each end thereof with the lugs being formed of the same metal as the jamb members, with each of the primary lugs having

an aperture formed therethrough, a head member adapted to extend across and between the upper ends of the jamb members with slotted apertures being formed through the head member and adapted to register with both the primary lugs and the secondary lugs of the jamb members, with the primary lugs formed at the lower ends



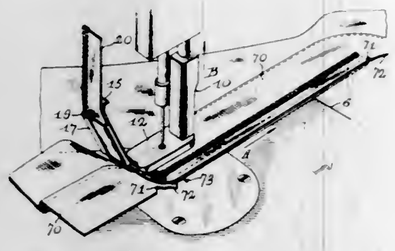
of the jamb members being adapted to be bent at their junctures with the jamb member and to be secured to a floor construction through the apertures formed therethrough, and with the secondary lugs formed at the lower ends of the jamb members being adapted to extend into a floor construction.

2,574,351

METHOD FOR FEEDING AND STITCHING SLIDE FASTENER STRINGERS TO GARMENT FLY PIECES

Michael King Rohrlick and Joan Eleanor Rohrlick, Montreal, Quebec, Canada

Application June 8, 1950, Serial No. 166,814
3 Claims. (Cl. 112—262)



1. Method of feeding and stitching slide fastener stringers to garment fly piece having upper and lower ends, which comprises feeding a garment fly piece endwise to a working bed and beneath a presser foot, stitching the stringer to the portion only of the fly piece between the upper end of the fly piece and a point close to but spaced from the lower end, bringing another fly piece endwise and in the same direction into position behind the first fly piece with the upper end of one of the fly pieces opposite such point of the other, positioning the portion of each fly piece between such point and the lower end beneath the previously stitched portion, and stitching the stringer continuously to such first portion of the second fly piece.

2,574,352

NUT PLACING SLOTTED-SOCKET WRENCH

Roy W. Senter, Topeka, Kans.

Application September 17, 1947, Serial No. 774,605
1 Claim. (Cl. 81—125)

A device for placement of an internally threaded nut having corners thereon on the threaded end of a bolt embedded in a recess comprising, a shaft having threads on one end for receiving said nut and a hand wheel on the other end for rotating said shaft to cause said nut to engage the threaded end of said bolt, a collar on said shaft adjacent said threads forming a stop for said nut, a sleeve rotatable and slidable on said shaft, said



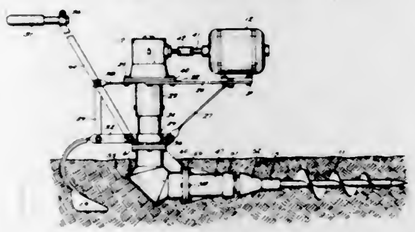
sleeve having a handhold on one end thereof, and a socket of substantially bell shape and formed integrally with the lower end of said sleeve and having longitudinal grooves therein for engaging the corners of said nut on said shaft whereby rotation of the sleeve will hold the nut on the threaded end of said bolt and permit disengagement of the shaft from the nut.

2,574,353

SCREW PROPELLED PLOW

Robert H. Singer, Pittsburgh, Pa.

Application April 7, 1948, Serial No. 19,610
1 Claim. (Cl. 97—35)



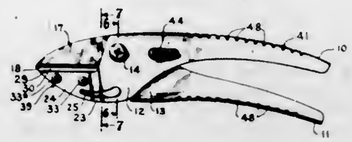
In a screw propelled plow, the combination which comprises a vertically disposed tubular casing, an upper gear housing on the upper end of the tubular casing, a lower gear housing on the lower end of the said tubular casing, a vertically disposed shaft journaled in the said tubular casing, a base plate carried by and extended from the upper end of the said vertically disposed tubular casing, a motor mounted on the said base plate, means driving the vertically disposed shaft from the motor through the said upper gear housing, a tubular housing section extended forwardly from the said lower gear housing, an auger shaft having a tapering screw thereon journaled in and extended from the said tubular housing section extended from the lower gear housing, gears in the lower gear housing for driving the auger shaft by the said vertically disposed shaft, a bar mounted on the lower end of the said vertically disposed tubular casing, a plow share carried by the said bar and positioned to follow the said tapering screw, a triangular shaped soil breaking blade positioned at the intersection of the lower gear housing and vertically disposed tubular casing and on the leading side of the said tubular casing whereby the soil is parted as the plow travels through the ground, and a handle extended upwardly from the said vertically disposed tubular casing.

2,574,354

SNAP CUT PRUNER

Justin L. Smith, Watertown, Conn., assignor to Seymour Smith & Son, Inc., Watertown, Conn., a corporation of Connecticut

Application September 12, 1947, Serial No. 773,677
8 Claims. (Cl. 30—186)



1. In a pruner, a cutting knife, a jaw, and means mounting said knife and jaw for relative swinging movement into cutting engagement, said jaw comprising an elongated anvil having a lengthwise head adapted for direct abutting engagement by the cutting edge of said knife, an integral rib depending from said head, opposed enlarged portions along each side of said rib, and a pair of jaw members having elongated opposed grooves in their edge portions embracing and gripping said enlarged portions of said rib, said jaw members being self-supporting and each attached to said mounting means at one end only.

2,574,355

HYDROGENATION PROCESS

Warren M. Smith, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 13, 1948, Serial No. 44,219
3 Claims. (Cl. 260—450)

1. The method of reducing the oxygenated compounds contained in a hydrocarbon synthesis product formed by the reduction of an oxide of carbon with hydrogen, without substantial hydrogenation of olefins and aromatics contained therein, which comprises treating said product with hydrogen at elevated temperatures and pressures in the presence of a catalyst consisting essentially of one of the class consisting of cobalt and nickel chemically combined with a sixth group metal oxide on active alumina.

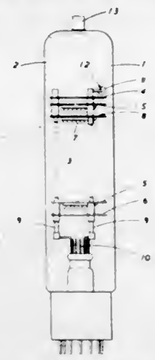
2,574,356

PROCESS OF MAKING PHOTOELECTRIC CATHODES

Alfred Sommer, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain

Application March 1, 1948, Serial No. 12,254
In Great Britain January 21, 1947
14 Claims. (Cl. 316—20)

1. A method of producing an electron discharge device sensitized to be an emitter of impact electrons, including the steps of depositing metal which reacts with alkali metals on a supporting surface, exposing the metal deposit on said surface to an alkali metal and heating said surface to cause said first metal and said alkali metal to react, cooling said surface, and thereafter depositing on said surface additional metal which reacts with alkali metals to reduce loss of sensitivity on cooling by the emissive coating on said surface.

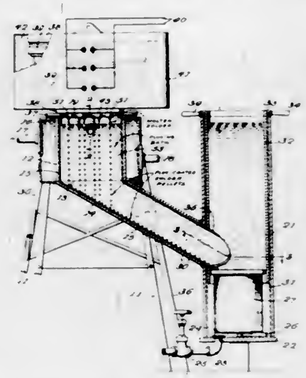


2,574,357

METHOD OF AND APPARATUS FOR FORMING SOLDER PELLETS

William C. Stammer, Glenview, and Calvin R. Breden, La Grange, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 5, 1948, Serial No. 25,216
7 Claims. (Cl. 18—2.4)



6. In combination, a melting-pot, a series of nozzles for discharging measured drops of solder from the pot, a quenching tank beneath the pot, a well, an inclined chute connecting the bottom of the tank with the well and means for temporarily closing the discharge from the chute to the well.

2,574,358

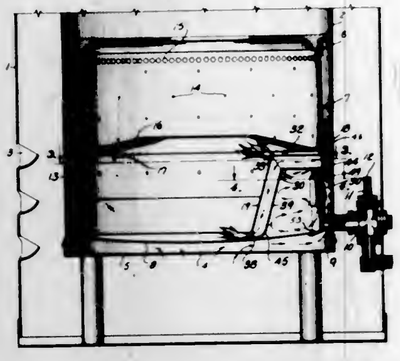
VAPORIZING POT TYPE BURNER AND PILOT BURNER THEREFOR

Roscoe N. St. John, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas

Application December 11, 1946, Serial No. 715,392
11 Claims. (Cl. 158—91)

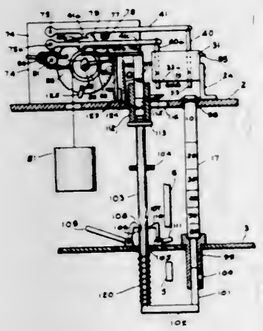
1. In a pot type burner having an inlet for a liquid fuel, a pilot including means within said pot forming a chamber over the inlet and having laterally spaced flame outlets at the top portion and an outlet at the bottom portion

of said chamber, said burner pot having means for admitting air into the chamber, means in said chamber for directing said air into the chamber for contact with vapors evolved within said chamber when the pilot is in operation, and



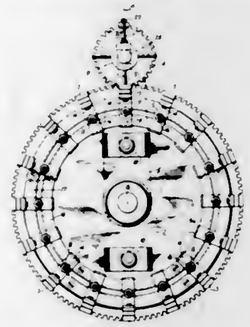
a duct having an air inlet through a side of said pot and having an outlet opening into the pot near the bottom flame outlet for discharging air near the bottom flame outlet, said duct having walls for dividing and laterally diverting said vapors and air for movement to the respective flame outlets at the upper portion of the chamber.

2,574,359
VISCOSITY TESTER
Albert G. Thomas, Alexandria, Va., assignor to Industrial Research Institute, University of Chattanooga, Hamilton County, Tenn.
Application November 15, 1945, Serial No. 628,783
8 Claims. (Cl. 73—55)



1. In a viscosity testing device, in combination, a container for fluid, a metering orifice in said container for discharge of fluid therefrom, a valve for said orifice, means including timing means for opening said valve for predetermined intervals of time, another orifice in said container, another valve for said other orifice, means including said timing means for opening said other valve for a predetermined interval of time, a transparent tube to receive fluid discharged from said metering orifice, a scale for indicating viscosity as determined by height of fluid in said tube, valve means for said tube including a piston to control flow of fluid therefrom, movable means to operate said valve piston, a vessel carried by said movable means and adapted to receive fluid discharged from said other orifice, a piston movable in said vessel to trap said fluid therein to cause movement of said movable means said tube valve means comprising a cylinder having an aperture and said valve piston slidable in the cylinder to cover said aperture and also to vary the viscosity indications in accordance with the movements of the vessel, and stop means settable in accordance with the temperature of said fluid for limiting movement of said piston.

2,574,360
COMMUTATOR
Timothy Trott, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application July 12, 1950, Serial No. 173,347
3 Claims. (Cl. 200—27)



2. A device of the character described comprising a stationary gear having an annular groove in a face thereof, a planetary gear meshing with said stationary gear and rotatable thereabout, means for supporting said planetary gear for rotation, contact actuating elements rotatable with said planetary gear, spaced ring members secured to said stationary gear face and extending about said annular groove, fastening elements having portions recessed in said groove for adjustment therein in a circumferential direction relative to said stationary gear, brackets secured against said ring members by said fastening elements and adjustable with the latter and relative to said stationary gear, and contacts carried by said brackets for actuation by said actuating elements as said planetary gear is rotated.

2,574,361
ELECTRICAL ACCELEROMETER CIRCUIT
Le Roy J. Vincent, St. Louis, Mo., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Original application July 22, 1949, Serial No. 106,238. Divided and this application September 21, 1949, Serial No. 116,899
7 Claims. (Cl. 235—92)

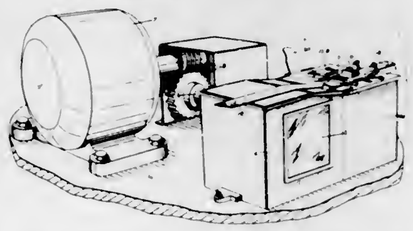
6. In an electrical system for counting impacts; the combination of a relay, a pair of contacts adapted to close when subjected to an impact and adapted when closed to establish an electrical circuit through said relay, switch means

responsive to energization of said relay for establishing an electrical holding circuit through said relay and through said contacts, means responsive to energization of said relay for counting an impact, a second relay, switch means sole-



ly responsive to energization of said one relay for establishing an electrical circuit through the second relay to energize the same, and switch means solely responsive to energization of said second relay for breaking the first- and second-mentioned circuits.

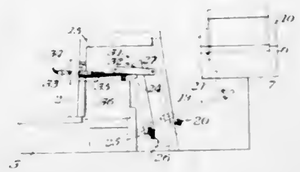
2,574,362
TELEGRAPH TRANSMITTER WITH MESSAGE NUMBERING
Fred Warburton, London, England, assignor to Cable and Wireless Limited, London, England, a company of Great Britain
Application March 14, 1949, Serial No. 81,348
In Great Britain March 22, 1948
21 Claims. (Cl. 178—17)



1. A telegraph instrument for transmitting signals recorded on perforated tape according to the 5-unit code comprising a 5-unit telegraph tape transmitter, a serial-number signal transmitting device comprising a rotary control cam shaft, a driving shaft, clutch means adapted to connect said driving shaft alternatively to said telegraph tape transmitter and to said control cam shaft, manually operated means for actuating said clutch means to couple said driving shaft to said control cam shaft and means operatively connected with said control cam shaft to be actuated on completion of a cycle of said control cam shaft to uncouple said driving shaft from said control cam shaft and to couple said driving shaft to said tape telegraph transmitter.

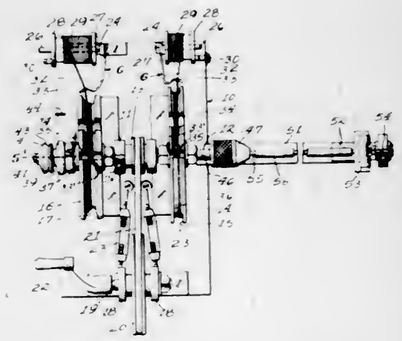
2,574,363
COIN-CONTROLLED BALL RELEASE MECHANISM FOR POOL TABLES
Pierre F. Wilhem, Pittsburgh, Pa.
Application May 31, 1949, Serial No. 96,168
2 Claims. (Cl. 273—11)

1. In a coin-controlled ball release mechanism for a pool table, a casing structure including a trap door, and a latch constructed of strip material disposed in the upright position and having the lower end thereof pivotally connected with said door to shift with the latter, the upper free end of said latch being inclined rearwardly, said latch being provided with a pair of outwardly



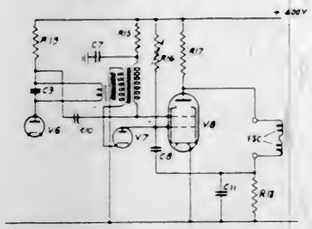
opening notches formed in the outer side edge thereof, one of said pair of notches being elongated and substantially squared and being disposed adjacent to upper end of said latch, the other of said pair of notches being disposed below and adjacent to said upper notch and having an outwardly inclined upper wall.

2,574,364
MACHINE FOR WINDING STRAND AND RIBBONLIKE MATERIALS SUCH AS SUTURES AND BANDAGES
Roy H. Worsham, Augusta, Ga.
Application July 30, 1948, Serial No. 41,463
8 Claims. (Cl. 242—47)



1. A machine for winding material of the character stated, comprising a base, a substantially horizontal spindle supported on the base to rotatably support a spool of strand material, a driven shaft rotatably mounted on said base parallel to said spindle, a wheel of predetermined circumference mounted on the driven shaft to be rotated thereby and having a peripheral channel to receive the strand from the spool in a plurality of convolutions, an elastic sleeve on one end portion of the driven shaft and extending slightly beyond the shaft to form an annular seat, a bobbin having end plates one fitting into said seat, and a concave disc fitting onto the other end plate of said bobbin and mounted rotatably about its axis on an end of a blade spring mounted on the base, said blade urging the disc into engagement with the adjacent bobbin end plate.

2,574,365
TIME BASE CIRCUITS
Arthur Henry Ashford Wynn, London, England, assignor to A. C. Cossor Limited, a British company
Application May 9, 1947, Serial No. 748,026
In Great Britain May 10, 1946
7 Claims. (Cl. 315—27)



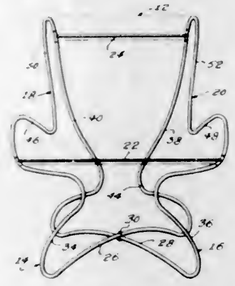
1. A time-base circuit, comprising an electron discharge tube having an anode, a cathode, and at least two control electrodes, a first of said two control electrodes being nearest said cathode and the second being nearest said anode, a voltage source having a positive terminal and a negative terminal, means connecting said anode to said positive terminal, means connecting said cathode to said negative terminal, a time-base capacitor connected between said first control electrode and said cathode, a resistor connected between said first control electrode and said positive terminal, a transformer having a primary winding and a secondary winding, means connecting said primary winding between said second control electrode and said positive terminal, a rectifier device, and means connecting said rectifier device and said secondary winding in series between said first control electrode and said cathode.

2,574,366
WINDOW SHADE CONTROL
Matheos Peter Zacharis, New Orleans, La.
Application June 26, 1948, Serial No. 35,401
1 Claim. (Cl. 160—321)



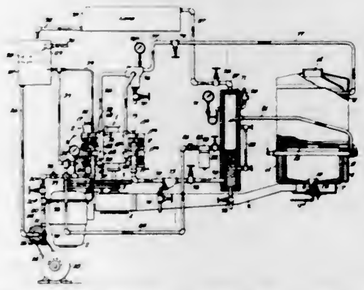
In a window shade actuator, the combination which comprises a window shade roller having a pintle rectangular-shape in cross section extended from one end and having gripping dogs in the end from which the pintle extends, a pulley having a centrally positioned socket rectangular-shape in cross section extended inwardly from one end, aligned with the shade roller wherein the said socket is positioned over the pintle extended from the roller, said pulley having spaced oppositely positioned arcuate flanges extended from the end thereof in which the socket is positioned whereby the flanges extend into the end of the roller and upon rotation of the pulley to operate a shade on the roller, the flanges engage the gripping dogs of the roller and releasing the pintle from the roller, said pulley positioned on the end of the shade roller having a shaft extended from the end thereof opposite to that in which the socket is positioned and said shade roller having a pin extended from the end opposite to that on which the pulley is positioned, and a pair of mounting brackets having openings therein for receiving the pin of the shade roller and shaft of the pulley on the end of the shade roller.

2,574,367
SEATING FURNITURE
Eva S. Zeisel, New York, N. Y.
Application December 13, 1949, Serial No. 132,757
5 Claims. (Cl. 155—139)



1. A piece of seating furniture having bent rod means and comprising in combination two transversely extending supporting rod portions arranged crosswise and adapted to support the piece of seating furniture; four upwardly extending leg rod portions, one at each end of each of said supporting rod portions; two seat supporting rod portions, each connecting the upper ends of a lateral pair of said upwardly extending leg rod portions to each other and extending at least partly in a substantially horizontal direction; and seat means secured along opposite edges thereof to said seat supporting rod portions so as to hold said seat means in a predetermined position.

2,574,368
STEAM GENERATING APPARATUS
Perry Arant, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application August 28, 1943, Serial No. 500,413
22 Claims. (Cl. 122—411)

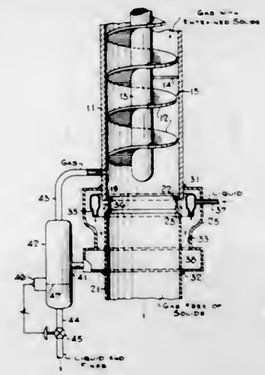


1. Steam generating apparatus comprising: conduit means adapted to receive a liquid to be heated, said conduit means having an inlet and an outlet; means for heating said conduit means; a feed pump for pumping liquid into the inlet of said conduit means, said feed pump having an inlet; a steam separator connected with the outlet of said conduit means; a continuous pipe line having one end thereof connected with said steam separator at a predetermined maximum desired liquid level and the other end thereof connected with said feed pump for conducting heated liquid directly from said steam separator to said feed pump; and means independent of said pipe line and connected with said feed pump for cooling said feed pump inlet to prevent vapor locking of said feed pump.

2,574,369
SOLUTION OF A POLYMER OF VINYLIDENE CYANIDE IN TETRAMETHYL UREA
Alan E. Ardis, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 7, 1949, Serial No. 131,698
3 Claims. (Cl. 260—32.6)

1. A solution comprising a polymer of vinylidene cyanide dissolved in tetramethyl urea.

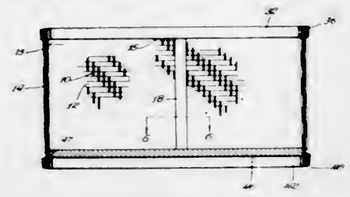
2,574,370
EQUIPMENT FOR REMOVAL OF ENTRAINED SOLIDS
Bradford E. Bailey, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 30, 1948, Serial No. 36,178
4 Claims. (Cl. 183—38)



1. Apparatus for removing solids from a stream of elastic fluid flowing in a tubular conduit, comprising stationary vane means in said conduit for imparting a rotary movement to said stream to separate said solids from said fluid, an annularly arranged exit in said conduit for removing said separated solids, a Venturi collar surrounding said exit, and means for ejecting an annular jet of liquid into the throat of said Venturi collar to establish a reduced pressure zone outside said exit and withdraw said solids through said exit.

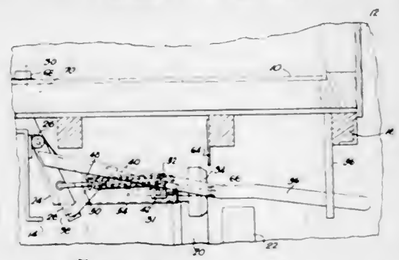
2,574,371
METHOD OF MAKING BASKETS
Guenther C. F. Brandes, Dundee, Ill.
Original application December 28, 1946, Serial No. 718,924. Divided and this application November 3, 1948, Serial No. 58,031
8 Claims. (Cl. 93—39.1)

7. The method of making a paper wicker container which comprises the steps of overlapping the opposite edges of a rectangular section of flexible paper wicker on a mandrel to form a sleeve, of stapling a border strip and said overlapped edges to each other so that the border strip extends beyond the top and bottom of the resulting paper wicker sleeve, of inserting in one end of the sleeve a hoop, of stapling the border and the circumferential edge of the paper wicker to the entire circumference of the hoop,



of assembling a similar hoop in the other end of the sleeve, of springing one hoop sufficiently to receive a stiff bottom, and of dipping the resulting container in a sizing fluid which upon drying renders the paper wicker stiff.

2,574,372
POWER TAKE-OFF DEVICE
Henry D. Breen, Chicago, and Adolph G. Kuellmar, Blue Island, Ill., assignors to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application January 17, 1947, Serial No. 722,534
7 Claims. (Cl. 105—131)

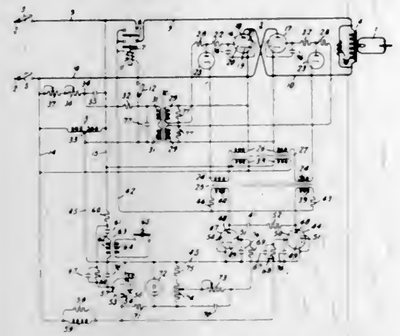


1. In a take-off device for a railway car including a take-off roller drivably engageable with a car wheel; a rigid lever pivotally secured at its inner end to the car body adjacent the longitudinal center thereof and swingable in a vertical plane transversely of the car, the take-off roller being rotatably secured to the outer end of said lever and a flexible shaft connected at one end to the roller and curving in a vertical plane with its other end extending vertically through the car floor adjacent the longitudinal center thereof.

2,574,373
ELECTRIC VALVE CONTROL CIRCUIT
Maurice E. Bivens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 22, 1946, Serial No. 685,330
20 Claims. (Cl. 250—27)

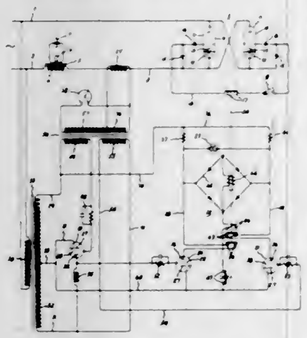
1. Apparatus comprising an alternating current supply circuit, an electric valve connected to be energized from said supply circuit and having an anode, a cathode and a control element, a control element circuit for applying a negative bias voltage and an adjustable phase sine wave control voltage to said control element, means interposed in circuit with said control element for selectively and automatically impressing upon said control element that one of said bias and control voltages which is more negative, and means for introducing in said control element

circuit, in opposition to said bias voltage, a turn-on voltage which is substantially sinusoidal in form, of substantially the frequency of the voltage of said supply circuit, and of sufficient magnitude to produce with said bias voltage a resultant voltage which is more positive than said



control voltage at and for a substantial time before and after said control voltage attains a value sufficient to render said electric valve conducting and thus initiates conduction of said electric valve by said last-mentioned means in accordance with the phase adjustment of said control voltage.

2,574,374
HALF CYCLING PROTECTIVE AND INDICATING SYSTEMS
Maurice E. Bivens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 17, 1950, Serial No. 179,964
19 Claims. (Cl. 175—294)



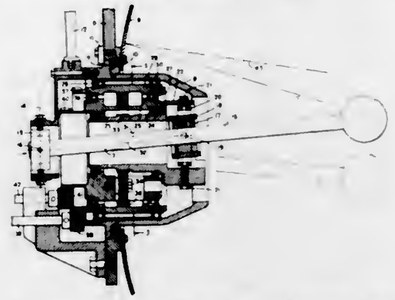
16. In combination alternating current supply conductors, load conductors, electric valve means each having an anode, a cathode and a control member, means for reversely connecting the anode-cathode circuits of said electric valve means in series circuit with said supply conductors and said load conductors for transmitting alternating current from said supply conductors to said load conductors when said electric valve means are conducting, control member circuits respectively connected between said control member and said cathode of each of said electric valve means, a relay having a controlling circuit and a controlled circuit operated in response to the energization and the deenergization of its controlling circuit, and means including the controlled circuit of said relay for controlling the energization of said control member circuits of both of said electric valve means in response to the failure of one of said electric valve means to conduct when its anode is positive and its control element circuit is energized for conduction, said means including a pair of electric discharge devices each having an anode, a cathode and a control element and each also having a control element circuit connected between its said cathode and its said control element, a pair of impedances, means for connecting across said supply conductors two circuits each of which includes one of said impedances connected in series with the anode-cathode circuit of a different one of said electric discharge devices each of which is poled in its own circuit in the same manner relative to said impedance and to said supply conductors, means connected to said load circuit and responsive to the direction of current flow therein for introducing control element voltages in said control element circuits of said electric discharge devices which control the conductivity of said electric discharge devices at the same time, the control element voltages introduced in one of said control element circuits being responsive to current flow of one polarity in said load circuit and the control element voltages introduced into the other of said control element circuits being responsive to current flow of the opposite polarity in said load circuit, and means responsive to conduction of but one of said pair of electric discharge devices for controlling the energization of said controlling circuit of said relay.

2,574,375
WOOD PRODUCTS AND METHOD OF MAKING
Dave Chapman, Chicago, Ill.
Application June 29, 1950, Serial No. 171,087
15 Claims. (Cl. 41—26)



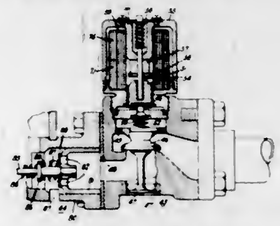
1. As a new product of manufacture, wood having a surface with a visible natural grain and a generally uniform design applied on said surface, said design comprising small design elements covering collectively at least a considerable fraction of said wood surface and spaced apart so as to leave at least a considerable fraction of said wood surface uncovered and the natural grain thereof clearly visible, said design elements having at least one dimension parallel to said wood surface of such small value that, at the distance at which said wood surface will generally be viewed during its intended use, the discrete design elements will be at least inconspicuous.

2,574,376
ANTENNA SCANNER
Wayne R. Childs, Schenectady, and Frank A. Schnell, Endwell, N. Y., and Richard J. Newman, Newark, N. J., assignors to General Electric Company, a corporation of New York
Application December 24, 1949, Serial No. 135,006
7 Claims. (Cl. 250—33.65)



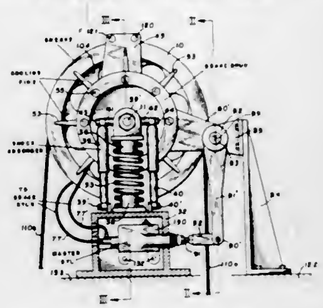
7. In combination a support provided with a cylindrical bore a cylindrical member rotatably mounted within said support and having a concentric cylindrical bore an elongated member universally pivoted upon said support and extending through said sleeve bore, said elongated member having an axis including a fixed point on the axis of said cylindrical member bore to oscillate with respect to said support about said fixed point, means enclosed in said cylindrical member bore and enclosing said elongated member for nutating said elongated member axis with respect to said cylindrical member axis including intermediate cylindrical means rotatable within said support bore about said cylindrical member axis and having an eccentric cylindrical bore therein, inner means rotatable within the bore of said intermediate means about said intermediate bore axis and provided with an eccentric bore, a gimbal centered in said inner means bore, said elongated member being intermediately slidably centered in said gimbal, the maximum spacing of said intermediate bore axis from said support axis and from said inner bore axis being equal and means for variably rotating said cylindrical member and said intermediate means to produce various nutation patterns of said elongated member with respect to said support.

2,574,377
QUICK-RELEASE VALVE
Thellwell R. Coggeshall, Bala Cynwyd, Pa., assignor to General Electric Company, a corporation of New York
Application November 29, 1943, Serial No. 512,180
2 Claims. (Cl. 277—21)



1. A quick release valve mechanism comprising a chamber having inlet means, outlet means and exhaust means therein, piston means having two working faces and being slidably disposed in said chamber, means comprising an opening in said piston means for affording communication between the working faces of said piston means, valve means for controlling the flow of fluid through said means comprising an opening in said piston means, first spring means for biasing said valve means toward its closed position, a valve stem movable with said piston means, an opening in a wall of said chamber in which said valve stem is slidable, a shoulder on said valve stem, second spring means interposed between said shoulder and said wall of said chamber for biasing said piston means in a direction toward said inlet means and away from said exhaust means, said second spring means being constructed to exert a smaller force on said shoulder than the force exerted on said valve means by said first spring means so that fluid pressure from said inlet means is effective to move said piston means toward said outlet means to close said exhaust means before substantial opening of said valve means.

2,574,378
WIRE LINE TENSIONING DEVICE
Robert R. Crookston, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application March 1, 1950, Serial No. 146,977
5 Claims. (Cl. 242—156)

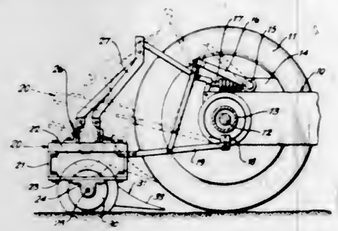


1. A device for maintaining a minimum tension on a wire line comprising, in combination, a rotatably mounted shaft supported by a plurality of springs in compression, a sheave mounted on said shaft for free rotation on said shaft in one direction and adapted for engaging with and for rotating said shaft when said sheave is rotated in the opposite direction, said sheave being adapted to receive on its outer periphery at least one turn of said wire line, a brake drum affixed to said shaft for rotation therewith, and a braking element adapted to be engaged with and disengaged from said brake drum in response to changes in the degree of compression of said springs for resisting the rotary motion of said shaft when in engagement with said brake drum.

2,574,379
ROLLING ROW CROP CULTIVATOR
Noble E. Cummings, Goodlettsville, Tenn.
Application February 20, 1946, Serial No. 648,893
1 Claim. (Cl. 55—77)

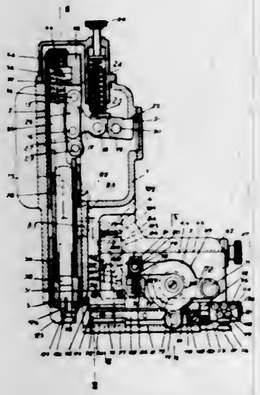
An attachment for compacting soil adjacent rows of plants in combination with a farm tractor having a power lift; said attachment comprising a wheel supporting frame, links pivoted

to the rear axle of the tractor and to the front edge of the frame to support the frame for movement through a vertical arc, spaced groups of earth compacting wheels mounted on the frame to rotate about a horizontal axis which lies parallel to the axle of the tractor, a pair of combined wheel guards and plant lifters carried in spaced relation by the frame between the groups of compacting wheels, each of said lifters consisting of a disk cut away at its bottom to afford ground clearance and having an integral



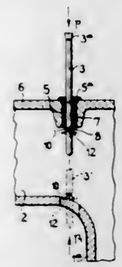
shoe projecting forwardly from the bottom thereof, the bottom edge of the shoe constituting a continuation of the bottom edge of the disk, the forward end of the shoe terminating in a point and having a concaved upper edge smoothly merging at its rear end with the upper edge of the disk, and means coupled to the power lift and to the links for moving the frame in unison with the power lift whereby the pressure with which the earth compacting wheels engage the ground may be regulated by the power lift.

2,574,380
STAPLE FORMING AND SETTING MACHINE
André Dutelle, La Garenne-Colombes, France, assignor to Societe de Construction d'Outillage Mecanique, SCOM, Dutelle, Gervaise and Co., Aubervilliers, France, a company
Application April 13, 1948, Serial No. 20,729
In France June 12, 1947
2 Claims. (Cl. 1—2)



1. In a staple forming and setting machine, the combination of a forming head including a reciprocable main slide-block, reciprocable staple forming and staple driving means controlled by said main slide block and a rack driven by said main slide block, a wire carrier supported by said head and the initial location of which with respect to said head is adjustable according to the theoretical thickness of the materials to be clipped together, a pinion integral with a casing formed with diametrically opposed projections, pivotally carried by said carrier and engaging said rack, a free wheel device coaxial with said pinion having a cage formed with diametrically opposed stops opposite to said projections and an abutment at the level of one of said stops, a feed roller twice as large in diameter as pitch circle of said pinion, means for connecting said feed roller with said free wheel device, an adjustable stop fixed on said carrier for engaging said cage abutment, and resilient means connected respectively with said casing and said cage for driving said cage by said casing when said stops are not in contact with said projections and when said abutment is not in contact with said adjustable stop, cutting means secured on said carrier at a fixed spacing from said pinion and adapted to sever the fed wire in blanks to be formed and driven by said head, a reciprocatory mechanism connected with said main slide block, means for adjusting the initial location of said wire carrier with respect to said head according to said theoretical thickness, whereby the length of wire delivered from said feed roller to said cutting means is adjusted according to said theoretical thickness, and means for guiding uninterruptedly the wire from said feed means to said cutting means throughout a rectilineal path of travel.

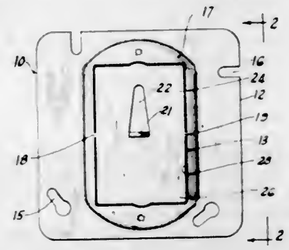
2,574,381
SEWING MACHINE
Serge Erdelyi, Vienna, Austria, assignor to Ottomar Lord, Vienna, Austria
Application April 20, 1948, Serial No. 22,074
In Austria March 11, 1947
1 Claim. (Cl. 112—218)



In a sewing machine the combination of a horizontal arm having a vertical through bore and a pin for carrying a yarn spool, said pin being longer than the length of said bore and having a downwardly tapering top end, the bore having a tapering top portion for seating said top end of the pin, the pin being longitudinally movable within the bore into a lower limiting position in which the tapering top end of the pin is seated in said top portion of the bore and in which the lower end of the pin protrudes out of the lower side of the arm.

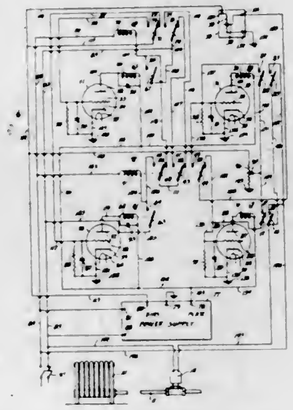
2,574,382
CONDUIT BOX COVER
Phillip J. Falson, Chicago, Ill.
Application January 10, 1948, Serial No. 1,517
2 Claims. (Cl. 220—3.8)

1. A conduit box cover plate adapted to be disposed in a wall and behind a frangible wall covering surface for serving in part to produce a clean hole in the wall covering surface without any substantial marring of the surrounding wall covering surface comprising, a base plate, a secondary plate completely sheared from said base plate except at a pair of diametrically opposite slugs and displaced from said base plate a distance substantially equal to the thickness of said plates whereby no substantial friction exists between said plates, said slugs being narrow such that they



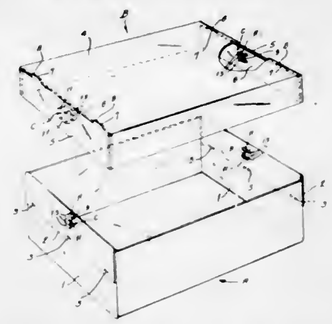
may be ruptured by a to-and-fro movement of said secondary plate which also serves to break such frangible wall surface to form such clean hole, an unobstructed aperture in said secondary plate for the insertion of a pry to effect said movement, and a locator punched from said secondary plate and projected sufficiently outward therefrom to extend beyond said wall covering surface.

2,574,383
TEMPERATURE CONTROL APPARATUS
Gene T. Gaddis, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 17, 1947, Serial No. 786,437
11 Claims. (Cl. 250—27)



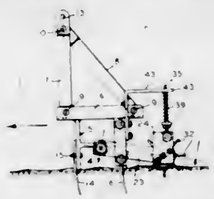
1. In a temperature control system, temperature sensing means, temperature control means, first and second control energizing means comprising a pair of electron discharge devices, electronically operated switching means alternately connecting one or the other of said first and second control energizing means in circuit to said temperature sensing means, and means including said control energizing means causing cyclic energization of said control means as directed by said temperature sensing means.

2,574,384
CARTON WITH AUTOMATIC COVER LOCKING MEANS
Walter C. George, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application November 1, 1948, Serial No. 57,807
8 Claims. (Cl. 229—45)



1. A carton of resilient material comprising a body having a side wall and a cover having a depending flange adapted to overhang said wall in spaced relation thereto, and a locking device for said cover comprising a locking member mounted on the outer face of said wall and having a rigid rib inclining downwardly and outwardly therefrom and a locking member mounted on the inner face of the depending cover flange and having a rigid rib inclining inwardly and upwardly therefrom and adapted during the closing movement of said cover to slide downwardly and outwardly over said first mentioned rib and snap beneath the latter and to be disengaged therefrom by an outward pull on said depending cover flange, said locking members having a flange projecting therefrom that has a thickened wedge shaped out marginal rib adapted to be driven through said body wall or cover flange and seat against the inner face thereof to thereby secure the locking member thereto.

2,574,385
TRACTOR MOUNTED PULVERIZER AND ROLLER COMBINATION
John F. Gilreath, Charlotte, N. C.
Application September 2, 1948, Serial No. 47,410
6 Claims. (Cl. 55—12)



1. Earthworking apparatus comprising a main frame having a transverse H-beam with the web positioned substantially parallel to the ground and the lower edges of the downwardly extending flanges in scraping contact with the earth, a plurality of teeth fixed to said flanges and extending downwardly therefrom for penetrating and breaking up the earth, arms extending rearward-

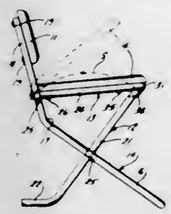
ly from said frame, and an elongated cylindrical transverse roller rotatably mounted on said arms in rolling contact with the earth.

2,574,386
MULTIPLE FILING JACKET OR HOLDER FOR PAPER
Raymond Arthur Eugène Guichard, Paris, France
Application June 26, 1945, Serial No. 601,690
In France December 4, 1944
2 Claims. (Cl. 129—16.7)



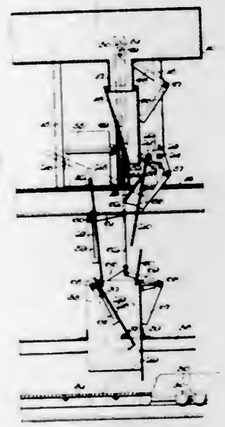
1. A multiple suspension filing jacket comprising a plurality of similarly formed wrappers each including a pair of walls and bent over flaps, each filing jacket having a plurality of spaced transverse fold lines on opposite sides of and adjacent the transverse center line to define bases of various widths, the portions of the filing jackets extending from said center line constituting the walls thereof, each wall having a plurality of equally spaced transverse fold lines disposed inwardly from the outer marginal edge thereof, said latter fold lines constituting the apexes of said flaps, and said flaps being adjustable in length depending upon which pair of said first mentioned fold lines constitute the bottom between the walls, the dispositions of the sets of fold lines constituting means for maintaining the height of said filing jackets constant regardless of the width of the bottom, said walls having a plurality of transversely spaced aligned rows of perforations therein, said perforations being disposed between pairs of said second mentioned fold lines thereby being disposed respectively in the walls and the flaps, and a suspension rod interweaved through alternate perforations in the abutting flaps of adjacent filing jackets to secure the same together.

2,574,387
FOLDING CHAIR
George L. Guthmann, Chicago, Ill.
Application June 24, 1947, Serial No. 756,575
2 Claims. (Cl. 155—143)



1. In combination in a folding chair, pivotally connected leg frames, a seat frame pivotally connected to one of said leg frames and being engageable in the open condition of the chair at its forward end with the upper end of the remaining leg frame, the forward end portion of the seat frame and the upper end portion of said remaining frame having cross bars of round periphery interengageable in the open condition of the chair, the cross bar of said remaining frame engaging the cross bar of the seat frame rearwardly and underneath in thrust relationship rearwardly of a vertical median plane through the seat frame cross bar and below a horizontal median plane through the seat frame cross bar so that thrust of the seat frame cross bar is downwardly and rearwardly onto said remaining frame cross bar substantially in line with said remaining frame.

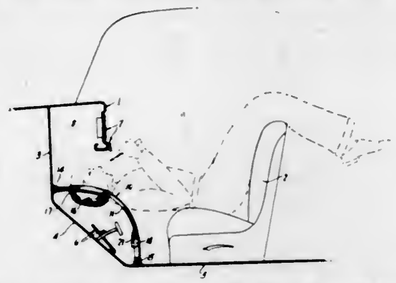
2,574,388
SINTERING APPARATUS
William A. Hardin, Copperhill, Tenn., assignor to Tennessee Copper Company, New York, N. Y., a corporation of New Jersey
Application January 9, 1948, Serial No. 1,294
11 Claims. (Cl. 214—35)



1. In a sintering machine, pallets provided with grates on which material is to be sintered, discharge means for dropping the material, arcuate means on which the falling material is deposited and formed into a continuous semi-circular stream, baffle means intercepting the semi-circular stream of material, converting the semicircular stream into a straight line stream and progressively widening and thinning the stream, and a cut-off plate positioned adjacent the grates against which the material is delivered at a deflecting angle and from which the aggregates rebound onto the grates with the aggregates on the bottom and the fines on the top.

2,574,389
HEADREST FOR INSIDE WORK ON AUTOMOBILES
Burr E. Harrold and Clifton Huffman, Jr., Montpelier, Ind.
Application November 4, 1950, Serial No. 194,130
6 Claims. (Cl. 155—173)

1. For supporting the head of a person working inside a motor vehicle on parts on and beneath the instrument panel thereof, a frame having non-skid elements for supporting engagement with the fire wall and floor of the vehicle, a head rest element on said frame, and means on the frame for raising and lowering the head

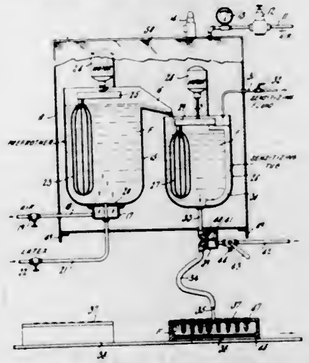


rest to properly support the head with reference to the instrument panel.

2,574,390
PRODUCTION OF ALKENYLHALOSILANES
David B. Hatcher, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application March 27, 1948, Serial No. 17,571
9 Claims. (Cl. 260—448.2)

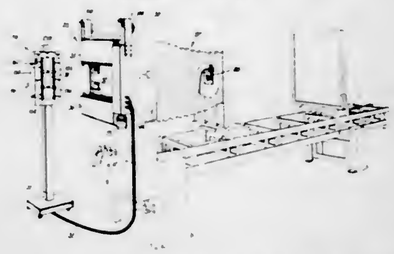
1. A method of producing alkenylhalosilanes that comprises pyrolyzing, in the vapor phase at a temperature of a least 360° C., a silane whose molecule consists of a silicon atom to which are attached four radicals not more than two of which are unsubstituted saturated conovalent hydrocarbon radicals, from one to three of which are halogens each having an atomic weight less than 100, and from one to two of which are monovalent radicals each consisting of a halo-substituted saturated hydrocarbon chain having from one to two substituents each consisting of a halogen having an atomic weight between 20 and 100, and having at least one hydrogen atom which is attached to a carbon atom adjacent to a halo-substituted carbon atom.

2,574,391
APPARATUS FOR FILLING MOLDS WITH FOAMED LATEX
Raymond A. Herrly, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 15, 1948, Serial No. 33,070
2 Claims. (Cl. 18—30)



1. Apparatus for filling vulcanizing molds with a foamed dispersion of a rubber-like material, comprising an air-tight container, a prefrother receptacle within the container and having a power driven beater to whip the material and tubes for supplying a liquid dispersion material and air to the lower portion of the receptacle, a sensitizing tub positioned in the container to receive the discharged foam from said receptacle, a foam delivery pipe leading from the bottom of the tub through a wall of the container to a closed mold, and means for maintaining an above atmosphere air pressure in the container to force the foamed material through said pipe into the closed mold without crushing the foam or subjecting it to an external air pressure greater than the air pressure within the foam cells.

2,574,392
ROLL FILM CAMERA ATTACHMENT
William C. Huebner, New York, N. Y.
Application August 20, 1948, Serial No. 45,294
13 Claims. (Cl. 88—24)

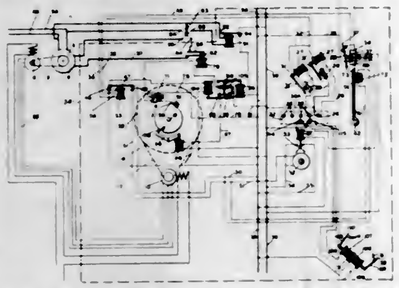


1. In a copying camera having a vacuum pump accessory therewith, in combination, a motor driven web film support mechanism whereby roll film may be progressively threaded from a supply roll along a vacuum platen to a rewind roll, a controller remotely situated with respect to the web film support mechanism but electrically connected therewith including tape responsive electrical switching means to start and stop the motor driven web film support mechanism, to hold the web film stationary during an exposure period, and to operate a vacuum pump during the exposure period of time when the film is stationary, a tape support mechanism in the controller for advancing an indicating and switching control tape across the face thereof, and electrical driving means controlled by movement of a film web in the web film support mechanism to advance an indicating and switching control tape in the tape mechanism in accordance with the movement of film in the film support mechanism.

2,574,393
CONTROL FOR AUTOMATICALLY PRESETTING BLOCKS ON SAWMILL CARRIAGES
Oscar Nathaniel Hult, Eugene, Oreg.
Application June 24, 1948, Serial No. 34,917
12 Claims. (Cl. 318—265)

6. Apparatus for pre-setting the angular movement of a set shaft operative by a primary motor having a supply circuit, said apparatus comprising a support, a limit element movably mounted on said support, means for moving said element to a selected position, a member on said support for movement relative to said element and for abutment therewith, said member comprising a switch having an operating part for abutment with said limit element, means operable by the set shaft for moving said

member in accordance with the movement of the shaft to contact said element in its selected pre-set position and including a movable support for said switch part, drive mechanism for said movable support, a synchronous motor for driving said drive mechanism, a generator driven by the set shaft and connected to supply



current to said synchronous motor, and means controlled by said member for breaking the primary motor supply circuit upon abutment by said member with said element and including a magnet in circuit with said switch and controlling a switch in the primary motor supply circuit.

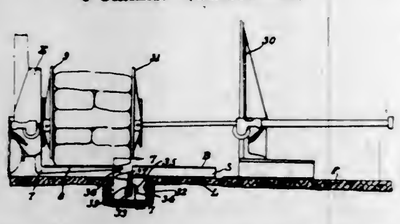
2,574,394

APPARATUS FOR TRANSFERRING LOADS FROM PALLETS TO INDUSTRIAL TRUCKS

William Isler, Cleveland Heights, Ohio, assignor to Sheldon K. Towson, Shaker Heights, Ohio

Original application October 27, 1943, Serial No. 507,792. Divided and this application December 15, 1945, Serial No. 635,323

6 Claims. (Cl. 214—44)



2. In combination, a pallet for supporting a load, said pallet being adapted to receive a load-carrying element of a truck beneath the load supporting surface thereof; a stationary abutment for engaging said pallet for preventing movement of the pallet in one direction when the truck and load-carrying element is moved in said direction; and a movable abutment for engaging one side of said load for sliding said load in said one direction whereby the load may be slidingly transferred to the load-carrying element of said truck by moving the truck in the same direction and at the same rate as the movable abutment.

2,574,395

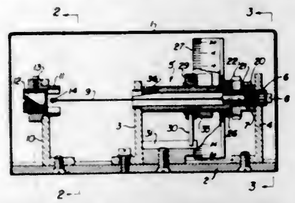
TORSIONAL BALANCE DEVICE

William R. Jack, Chagrin Falls, and Emil M. Brinker, Lakewood, Ohio; said Brinker assignor to said Jack

Application March 18, 1950, Serial No. 150,382

12 Claims. (Cl. 73—382)

1. In an apparatus for measuring gravitational forces, a mounting frame, a flexible torsional suspension arm, a manual control secured to one end of said arm for introducing torsion longitudinally of said arm, the other end of said arm being mechanically free and unattached to said frame, a weighted cross arm secured to said suspension arm adjacent the free end of said torsional suspension arm, cooperating means car-



ried by said frame and suspension arm for magnetically supporting the mechanically free end of said suspension arm in spaced relation with the supporting means carried by said frame for maintaining said suspension arm taut and horizontally disposed and indicating means for indicating the position of said cross arm and the torsion introduced in said suspension arm.

2,574,396

INTERMEDIATES AND PROCESS USEFUL IN THE PRODUCTION OF BIS-DEHYDRODOISYNOLIC ACID

William S. Johnson, Madison, Wis., and Robert P. Graber, Minneapolis, Minn.

No Drawing. Application July 23, 1949, Serial No. 106,494

3 Claims. (Cl. 260—520)

3. Products selected from the group consisting of 1-ethyl-4-keto-7-oxy-1,2,3,4-tetrahydrophenanthrene-2-carboxylic acid and lower alkyl esters thereof.

2,574,397

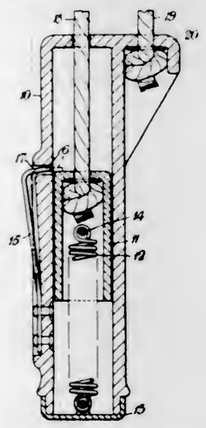
DEVICE FOR CONTROLLING THE OPERATION OF ELECTRIC SWITCHES

Donald Mayer King, Hitchin, England

Application December 5, 1950, Serial No. 199,166

In Great Britain December 22, 1949

5 Claims. (Cl. 74—501)



2. A handle or grip member for attachment to the operating cords of a switch of the kind referred to such member comprising an outer casing

to which one cord is attached, a member disposed within said casing and slidable axially relatively thereto and to which the second cord is attached, means operable to prevent sliding movement of said member relatively to the casing when required and means adapted to return the parts to their original positions on those occasions when relative movement has taken place.

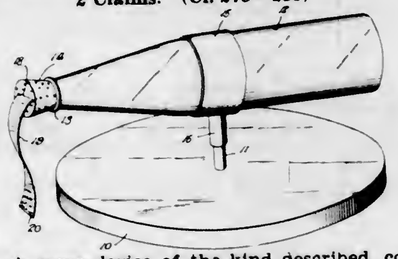
2,574,398

CHANCE GAME DEVICE

Ernest Krebeck, Washington, D. C.

Application June 17, 1948, Serial No. 33,511

2 Claims. (Cl. 273—138)



1. A game device of the kind described, comprising: a rotatably supported horizontally arranged elongated hollow-body having a reduced outwardly tapered open end effecting a pointer for containing a length of indicia carrying tape adapted to be ejected through the open end, and a base having a pivot staff for whirlingly supporting the body in a plane substantially parallel with the base, and means within the tapered open end of the body for flattening the tape when pulling the latter outwardly from the body through the said pointer.

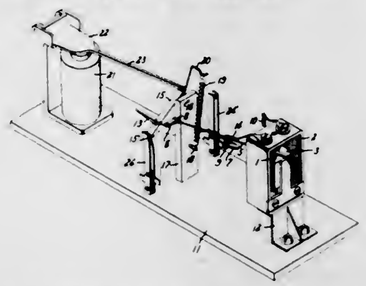
2,574,399

ELECTRICAL RELAY OF TOGGLE TYPE

Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey

Application April 6, 1949, Serial No. 85,757

5 Claims. (Cl. 200—98)



1. In a toggle relay, a primary relay having a contact arm movable between spaced contacts, a toggle member of triangular form carrying said spaced contacts, means supporting said toggle member for rocking movement about an axis close to the junction of and located symmetrically with respect to the junction of two sides of said triangular toggle member, stop means limiting rocking movement of said toggle member to alternative end positions at opposite sides of a dead-center position, said spaced contacts being symmetrically positioned with respect to said axis and displaced by rocking of said toggle member so that one or alternatively the other of said spaced contacts is in the path of movement of said contact arm, a toggle spring for rocking said toggle member into one of its end positions upon movement of the toggle member to one side or the other of a dead-center position, and an auxiliary relay energized by an engagement of said contact arm with one of said contacts and including an armature movable into contact with said sides of the toggle member to rock said toggle member from one end position to and beyond dead-center position, whereby said toggle spring completes the rocking movement of said toggle member into its other end position, and switch means actuated by said toggle member.

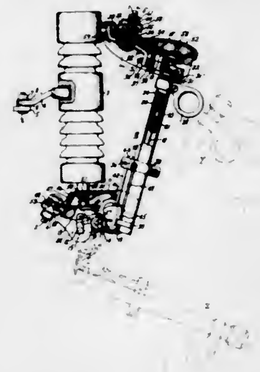
2,574,400

ELECTRIC SWITCH

William C. Lesher, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application August 1, 1947, Serial No. 765,369

14 Claims. (Cl. 200—114)



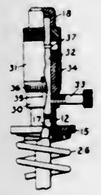
1. An electric switch comprising an insulator, a first contact means supported on said insulator adjacent one end thereof, a hook type bearing member supported from the other end of the insulator, a second contact means supported adjacent the other end of the insulator, a hinge element provided with trunnions adapted to be inserted in the hooks of said bearing member, said hinge element having a portion spaced from said other end of said insulator and in line with the longitudinal axis thereof, a contact on said hinge element cooperating with said second contact means, current conducting means carried by said hinge element and rotatable therewith in one direction to the circuit closed position to establish a conducting path between said two contact means comprising an expulsion tube mounted on said hinge element and having a contact cap engageable with said first contact means, a conductor mounted in said tube to extend between said cap and said element and provided with a fusible portion and means for clamping said conductor to said element, and shock-absorbing means including a resilient member positioned between said axially aligned portion of said hinge element and said other end of the insulator and yieldable substantially in the direction of the axis of the insulator for absorbing the effect of the expulsion force transmitted to the hinge element upon rupture of said conductor.

2,574,401
ELECTRIC SWITCH
William C. Lesher, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Original application August 1, 1947, Serial No. 765,369. Divided and this application December 29, 1948, Serial No. 68,016
1 Claim. (Cl. 200—114)



An electric switch comprising a substantially cylindrical insulator any cross section of which normal to the longitudinal axis thereof is circular in shape, a first contact means mounted on said insulator adjacent one end thereof and extending transversely of the insulator, a second contact means mounted on the other end of said insulator, circuit interrupting means including an expulsion tube and a rupturable fusible element mounted within said tube for electrically interconnecting said first and second contact means and positioned in spaced relationship with said insulator, means for maintaining said insulator on a supporting structure comprising a supporting arm in engagement with said insulator intermediate said two contact means and at a point diametrically opposite the point of mounting of said first contact means, and means axially positioned adjacent said other end of said insulator to transmit the expulsion force upon rupture of said fusible element to said insulator as a compressive stress in the portion thereof between said other end and said supporting arm, said supporting arm extending in a direction diametrically opposite to that of said transversely extending contact means and having one end thereof and a portion adjacent thereto mounted directly within the cylindrical surface of said insulator whereby said compressive stress is transmitted to said arm with practically no bending of said insulator.

2,574,402
MICROMETER GAUGE
Charles E. Linn and Paul H. Hummel, Lansing, Mich., assignors to Automotive Service Tools, Inc., Lansing, Mich., a corporation of Michigan
Application February 15, 1950, Serial No. 144,298
1 Claim. (Cl. 33—164)



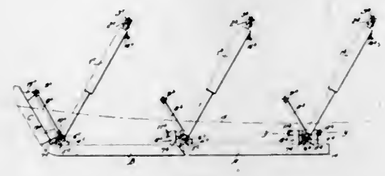
A micrometer gauge comprising inner and outer coaxial sleeves having portions thereof in overlapping relationship, one end of each sleeve projecting axially beyond the corresponding end of the other sleeve, said sleeves having cooperating internal and external threads respectively on overlapping portions thereof and being open at both ends, cooperating indicia on external portions of said sleeves to indicate the overall expansion and contraction of the gauge, and a cylindrical pin received in said sleeves for axial movement, said pin being equal to the overall length of said sleeves when the latter are adjusted to predetermined relative setting, said pin normally projecting axially outwardly beyond the outer sleeve thereby providing a recess within the inner sleeve between the outer end of the latter and the corresponding end of the pin, and means for fixedly attaching said pin to one of said sleeves.

2,574,403
DIFFERENTIAL PROTECTIVE SYSTEM
Randall E. Lloyd, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 19, 1948, Serial No. 21,924
4 Claims. (Cl. 175—294)



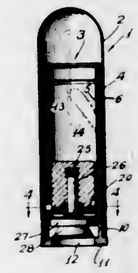
4. A differential protective system for a direct current circuit having a direct current generator therein at one extreme of the portion to be protected comprising, an electromagnetic device including a permanently magnetized member and a magnetizable member coacting with said permanently magnetized member, said permanently magnetized member being movably positioned in one of two operating positions dependent upon the direction of magnetization of said magnetizable member, a pair of excitation windings positioned in flux opposition on said magnetizable member, one of said windings being connected in said direct current circuit at one extreme of the portion thereof to be protected, means for energizing the other one of said windings approximately proportionally with the current in said direct current generator at the other extreme of the portion of said direct current circuit to be protected, said one winding normally predominating over said other winding whereby said magnetizable member is magnetized in a direction which maintains said permanently magnetized member in a first one of said two operating positions, a resistor connected in circuit with said other winding, a rectifier connected in shunt with at least a portion of said resistor and poled to carry current upon the reversal of the current in said other winding whereby said other winding predominates over said one winding and said direction of magnetization and the position of said permanently magnetized member remain the same upon a reversal of current in said direct current circuit, the occurrence of a fault on said direct current circuit intermediate said extremes shunting at least a portion of the current from said first extreme and allowing said other winding to predominate whereby the direction of magnetization of said magnetizable member is reversed and said permanently magnetized member is moved to the second of said operating positions, and means operative at said second position for deenergizing said direct current generator and said direct current circuit.

2,574,404
AIRCRAFT RETRACTABLE LANDING SKID
René Lucien Levy, also known as René Lucien, Paris, France, assignor to Societe D'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland, a corporation of Switzerland
Application March 15, 1948, Serial No. 15,028
In France March 27, 1947
6 Claims. (Cl. 244—102)



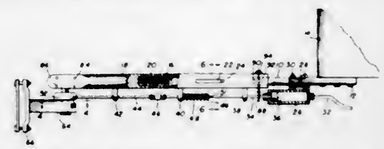
1. In an aircraft: a fuselage the bottom of which is longitudinally slotted along the vertical fore-and-aft plane of symmetry of the aircraft; a plurality of transversal parallel pivots fixed to the inner structure of said fuselage; hydraulic servo-motors universally mounted on said pivots at their upper end and a longitudinal landing skid or skate universally joined to the lower ends of said servo-motors and retractable substantially within said longitudinal slot by means of said servo-motors.

2,574,405
LIPSTICK HOLDER
Anthony P. Lynn, Elmhurst, Ill.
Application March 23, 1950, Serial No. 151,447
3 Claims. (Cl. 206—56)



1. A lipstick holder comprising a cup having a fixed bottom and an open mouth for holding a lipstick, a movable bottom carried within the cup normally disposed adjacent the fixed bottom, a pin positioned in registering apertures in said bottoms, threads carried in said apertures, threads carried at opposite end portions of said pin for engagement respectively with the threads upon the movable and fixed bottoms, the portion of said pin intermediate the pin threads being restricted in diameter and being freely movable within said apertures, and means carried by said pin exteriorly of said fixed bottom for turning said pin to engage the respective pin threads with the respective bottom threads and to slidably move the pin through said apertures to position said bottoms adjacent each other and in spaced relationship to each other.

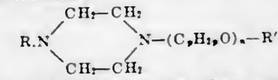
2,574,406
AUTOMATIC DRAFT CONTROLLED BRAKE
Frank E. Machamer, Rome, N. Y.
Application March 3, 1947, Serial No. 731,946
4 Claims. (Cl. 188—142)



1. A tow bar assembly for connecting a towing vehicle with a towed vehicle having brakes, comprising a pair of telescoping members having an outer end of one member secured to one vehicle, a vertical pivot pin rotatably mounted on the other vehicle and having a shank portion and a ball end and a portion having a vertical T-shaped slot, the outer end of the other of said telescoping members having a socket to receive said ball end, one of said telescoping members having a rod slidably mounted thereon and operatively connected with said brakes, said rod having a horizontal T-shaped terminal pivotally engaged in said slot when said ball end is engaged in said socket, whereby said pivot pin is rotated about its axis by said rod to provide for universal swinging movement of the rod about the vertical axis of the pivot pin and the horizontal axis of the terminal when relative swinging movement between the towing and towed vehicles occurs.

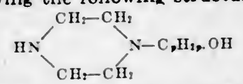
2,574,407
HIGH MOLECULAR DERIVATIVES OF PIPERAZINE
John David Malkemus, Allendale, and John Ross, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application June 23, 1949, Serial No. 100,958
20 Claims. (Cl. 260—268)

1. A piperazine derivative having the following structural formula:



where R is selected from the class consisting of long-chain alkyl and acyl radicals having from 6 to 24 carbon atoms; R′ is selected from the class consisting of H, short-chain alkyl and short-chain acyl radicals; n is a whole number varying from 1 to 20; and p is a small whole number varying from 2 to 4.

7. A process for preparing surface-active compounds which comprises reacting a piperazine derivative having the following structural formula:

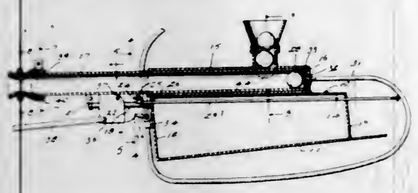


where p is a small whole number varying from 2 to 4, with an alkyl halide having from 6 to 24 carbon atoms, and recovering the resulting high molecular weight amine.

2,574,408
AUTOMATIC BALL PITCHING MACHINE
Andrew S. Moe, San Francisco, Calif.
Application December 23, 1946, Serial No. 718,037
4 Claims. (Cl. 124—11)

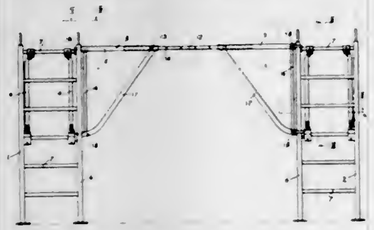
1. A ball pitching machine comprising a stationary barrel, a spring-pressed movable barrel

slidable in said stationary barrel, a ball magazine at the rear end of said stationary barrel, said sliding barrel closing said magazine in its rearmost position, valved pressure means connected to said stationary barrel for ejecting a ball from within said movable barrel, and a yieldable choke means on the outer end of said sliding barrel



for resilient engagement with a ball to be ejected, said choke means including a yieldable tube fixed on the outer end of said sliding barrel and a resilient member encircling said tube and adapted to contract the opening therethrough, the passage of a ball through said choke means effecting sliding of said movable barrel past said magazine to permit another ball to be deposited therein.

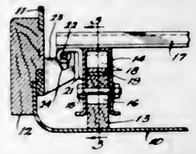
2,574,409
TIE SECTION FOR CONNECTING ADJACENT LADDER SCAFFOLDS
Thomas C. North, Zelienople, Pa., assignor to Universal Manufacturing Corp., Zelienople, Pa., a corporation of Pennsylvania
Application June 8, 1949, Serial No. 97,734
2 Claims. (Cl. 304—39)



1. A tie section for connecting a pair of parallel ladder scaffolds having vertical end panels each provided with a pair of legs connected by tubular rungs having their ends flattened in a vertical plane to form lateral recesses where they join the legs, said section comprising a truss adapted to span the space between the two end panels located at one end of the parallel scaffolds, and vertically spaced hooks connected to each end of the truss, each hook being a bent rod extending lengthwise of the truss past the adjacent panel leg and then across the top of a panel rung in engagement therewith and down the opposite side of the rung in one of said recesses, whereby the truss will be supported by the rungs engaged by its hooks.

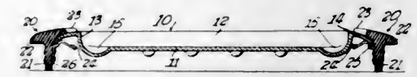
2,574,410
FLOOR RACK
Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois
Application July 22, 1946, Serial No. 685,426
4 Claims. (Cl. 105—375)

1. A floor rack for railway cars and the like comprising a plurality of stringers and slats supported on and connecting the stringers, each of the stringers comprising an elongated supporting block coextensive in length with the floor rack to rest on the floor of the car, an inverted channel shaped supporting strip coextensive



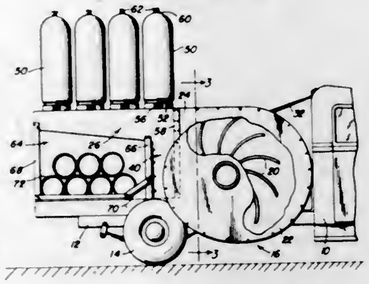
with and fitting slidably over the block, means connecting the strip and block for limited vertical movement, and resilient means connecting the strip and block to urge the strip upward relative to the block.

2,574,411
DETACHABLE HANDLE FOR STEAK PLATTERS AND THE LIKE
Robert W. Pashby, Park Ridge, Ill., assignor to Club Aluminum Products Co., Chicago, Ill., a corporation of Delaware
Application February 15, 1946, Serial No. 647,817
4 Claims. (Cl. 16—114)



1. A handle for the purpose described and embodying therein a body having generally upright outer and inner sides, finger graspable means projecting from the outer side of the body, means projecting from the inner side of the body and having a bottom surface that inclines upwardly from said inner side of the body, a member on the inner side of the body below the last mentioned means and providing an upwardly opening recess and including a portion having a surface inclined downwardly and outwardly from the upper end of said recess.

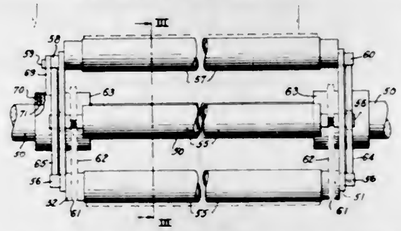
2,574,412
DUST COLLECTOR
Ray A. Pringle, Walla Walla, Wash.
Application October 15, 1948, Serial No. 54,718
2 Claims. (Cl. 183—36)



1. A suction cleaner comprising a centrifugal impeller mounted for rotation on a horizontal axis, a volute housing for the impeller having a laterally facing axial inlet and a rearwardly facing, horizontally disposed, tangential discharge immediately below its top wall, a casing

permanently and directly connected to said discharge having a rearwardly extending dust receiving chamber and a downwardly extending dust collecting chamber at the forward end of the receiving chamber, said casing having a top wall extending over both of said chambers and having a plurality of flanged openings therein, said casing having a forwardly and downwardly sloping bottom wall constituting the bottom of said receiving chamber and leading to said collecting chamber, and a plurality of substantially cylindrical filter bags having their lower open ends secured to said flanged openings and their upper ends closed, whereby dust deposited on said sloping bottom of said receiving chamber from said bags moves over said bottom to the collecting chamber.

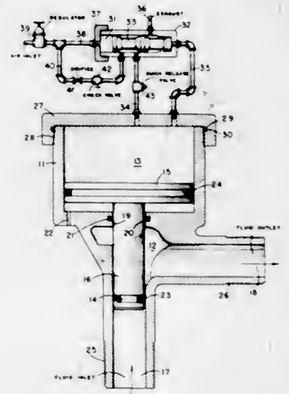
2,574,413
COLLAPSIBLE CORE
William J. Pugh, Piedmont, Calif.
Application September 30, 1948, Serial No. 53,901
8 Claims. (Cl. 242—72)



1. A collapsible core for winding strip material into a roll, including in combination an axle, a first plate keyed adjacent each end of said axle and having a plurality of radial slots, a corresponding plurality of bars parallel to said axle having stub shafts at each end which support them slidably in said slots, means to urge all but one of said bars radially inward toward said axle, and a second plate mounted rotatably on said axle adjacent each said first plate, having means to fasten it to said axle and having a plurality of cam faces, each engaged by one of said stub shafts and each shaped to move said bars radially outward when said cam is rotated in one direction.

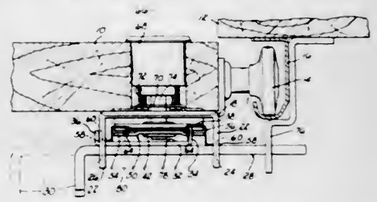
2,574,414
RELIEF VALVE
Douglas Ragland, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application August 29, 1949, Serial No. 112,860
5 Claims. (Cl. 137—53)

1. A valve adapted to release pressure rapidly which comprises, in combination, a first housing defining a first and second chamber and an inlet to and outlet from said first chamber, a first piston slidably arranged in said first chamber adapted to close said inlet, a second piston slidably arranged in said second chamber, a longitudinal member connecting said second piston with said first piston and adapted to cause corresponding movement of the latter on movement of the former, a second housing defining a third chamber, a third piston slidably arranged in said third chamber, a first conduit defining a passageway communicating said second chamber at a point ahead of said second piston with said third chamber at an intermediate point thereof, a quick release valve arranged in said first conduit adapted to release pressure from said second chamber, a second conduit defining a second passageway communicating said second chamber with said third chamber at a first end thereof adapted to actuate said third piston to release pressure from a portion of said first conduit ahead of said quick relief valve and to actuate same, a third conduit defining a third passageway communicating said third chamber with the atmosphere adapted to release pressure from the portion of said first conduit ahead of said quick release valve, a fourth conduit defining a passage-



way adapted to connect said third chamber with a constant source of pressure at a second end thereof whereby said first piston may be actuated when the pressure in the second conduit becomes less than that in said fourth conduit, a fifth conduit defining a fifth passageway communicating said fourth conduit with said third chamber at a point intermediate said first conduit and said second end and with said second chamber when the pressure in the second chamber becomes less than that in said fourth conduit, and a check valve arranged in said fifth conduit.

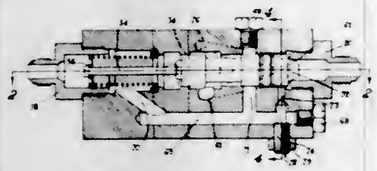
2,574,415
DOOR LOCK
David M. Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application December 22, 1948, Serial No. 66,699
6 Claims. (Cl. 70—134)



1. A lock comprising in combination, a frame, a substantially flat bolt mounted to move transversely through said frame between two spaced positions, a detent fixed to and projecting perpendicularly from one planar surface of said bolt, a resilient member having a portion parallel to and spaced opposite said surface of said bolt and having a plurality of detent receiving recesses spaced longitudinally on said portion in accordance with the spacing of said two positions, and

actuating means engageable with said detent to move said bolt between said two positions, the outer end of said detent being receivable respectively within said detent receiving recesses when said bolt is in either of said two positions to releasably retain said bolt in said positions.

2,574,416
VULNERABILITY VALVE
Howard E. Rose, Normandy, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 24, 1943, Serial No. 484,453
14 Claims. (Cl. 137—153)



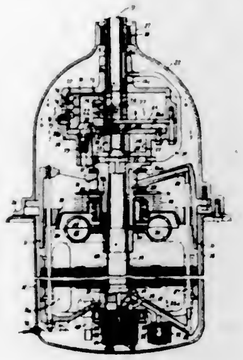
13. An automatic valve device for a fluid system having reversible supply and return passages, comprising a movable fluid separating member in each passage, each member being movable in one direction at the initiation of supply flow through its passage to displace fluid downstream thereof and being movable in the opposite direction at the initiation of return flow through its passage, a by-passage around each member, and a valve operable by each member for controlling the by-passage around the other member, each valve being operated, to open the by-passage controlled thereby, upon movement of the operating member thereof in said opposite direction.

2,574,417
CLAMP IMPROVEMENT
Robert F. Rowe, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 28, 1949, Serial No. 95,902
1 Claim. (Cl. 175—356)



In combination, a laminated magnetic core of generally rectangular shape formed of flat, stacked laminations of magnetic material, the rectangular shape of said core being defined by two long sides and two short sides perpendicular thereto, a pair of sheet metal clamps of channel-shaped cross-section for holding said magnetic core in assembled relation, each of said channel-shaped clamps having a main body portion and a pair of parallel arms separated from one another by said main body portion and extending perpendicularly therefrom, the pair of parallel arms of each of said clamps extending substantially parallel to the plane of said laminations and embracing the top and bottom surfaces of said core along substantially the entire length of one of said long sides thereof, each of said parallel arms having a plurality of elongated slots formed therein, said laminations having apertures formed therethrough corresponding to said slots in said parallel arms, a plurality of bolts co-operating with said apertures and slots and securing said clamps to said core, the main body portion of each of said clamps extending substantially perpendicularly to the plane of said laminations and forming an enclosed space beyond the stacked edges of said laminations along one of said long sides of said core, each of said main body portions having apertures therein for the introduction of a subsequently solidified viscous filler material into the space between said respective main body portion and the lamination edges adjacent thereto, and a quantity of said viscous filler material filling said space for binding said clamping members to said laminations and for binding said edges of said laminations together.

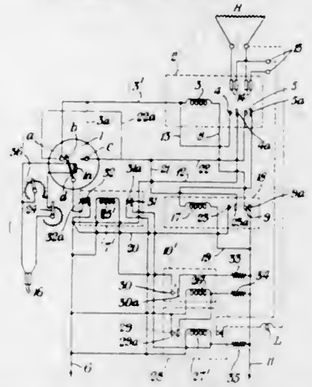
2,574,418
HYDRAULIC MOTOR ACTUATED MECHANISM FOR SPINNER TYPE WASHING MACHINES AND THE LIKE
Carmell A. Rubano, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application August 25, 1944, Serial No. 551,102
16 Claims. (Cl. 60—53)



1. In combination, two members to be driven, a hydraulic motor having a rotatably mounted cylinder connected to one of said members, a piston connected to the other of said members and power driven valve means for admitting hydraulic pressure alternately on one side and the other of said piston for oscillating said other member; a motor driven shaft; hydraulic pump means driven by said shaft; a hydraulic coupling between the shaft and the cylinder for coupling the cylinder to the shaft for rotation thereby; and valve means for directing fluid from said pump means to the coupling and to the hydraulic motor.

4. In a machine having a rotatable member and an associated reciprocatory member, a sealed casing containing an oil pump, a hydraulic motor for operating the reciprocatory member, a power shaft, a hydraulic coupling between said power shaft and said rotatable member, valve means controlling the supply of oil from the pump to the motor and to the coupling for effecting reciprocation of said reciprocatory member and rotation of said rotatable member and a brake for restraining rotation of said rotatable member during periods of operation of said reciprocating member.

2,574,419
TEMPERATURE CHANGE RESPONSIVE MEANS FOR CONTROLLING ELECTRIC CIRCUITS
William Harry Ruffle, Brighton, England, assignor to Speed Development Company Limited, Sussex, England, a British company
Application October 21, 1947, Serial No. 781,140
In Great Britain December 9, 1946
1 Claim. (Cl. 175—320)



Temperature change responsive means for controlling electric circuits including a warning device, an electric motor, heater or equivalent electrical energy consuming means fed from a normal source of supply of electrical energy, comprising a thermal couple adapted to be located in the zone constituting the control source, a highly sensitive milli-volt switch constructed similarly to a moving coil milli-volt meter, a relay connected across the switch and the said energy consuming means, holding contacts with said relay, means with the relay producing, when the relay is energised, a transferrance of the electrical load appropriate to the said normal source from the switch contacts to the "holding" contacts on said relay and the closing from the relay of the circuit for the motor or its equivalent, a further relay adapted to be energised when the thermal couple generates a potential difference which influences the switch so as to set into operation a change in the circuit, the energising of the said further relay breaking the circuits of the first-mentioned relay, which latter relay in turn automatically breaks the circuit of the second-mentioned relay, and pulsating relay means connected in series with said moving contact of the switch and the first-mentioned relay via one of the fixed contacts of the switch to ensure that the resultant inductive circuit is finally completed by the pulsating relay means and not by the switch contacts.

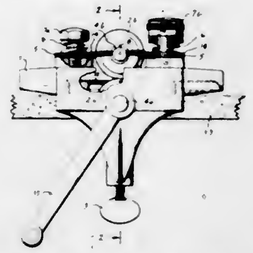
2,574,420
SHOCK ABSORBER
Robert Maxwell Seddon, Walmley, Sutton Coldfield, England, assignor to Dunlop Rubber Company Limited, London County, England, a British company
Application August 30, 1949, Serial No. 113,045
In Great Britain August 31, 1948
9 Claims. (Cl. 267—63)

1. A shock absorber comprising coaxial inner and outer members axially movable with respect of each other and adapted to be connected to elements subject to relative displacement, a set of axially disposed annular resilient members carried by the inner member, an abutment engaging with one end of said set and movable by the inner member on expansion of the device, a fixed abutment on the outer member engaging with the opposite end of the set, and a separating unit between the ends of each pair of resilient members which comprises an annular



spacer fixed to the inside of the outer member, a corresponding annular spacer fixed to the outside of the inner member, a washer engaging with the end of each spacer remote from the fixed abutment and forming an abutment for an end of one of the pair of resilient members, and another washer engaging with the other end of the inner spacer and forming an abutment for an end of the other of the pair of resilient members.

2,574,421
PAPER TACKING MACHINE
Heinrich Steinberg, Los Angeles, Calif.
Application February 16, 1948, Serial No. 8,711
2 Claims. (Cl. 93—1.1)

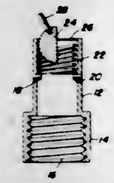


1. A paper tacking machine comprising a body, a spindle on the body and a crimping wheel on the spindle, a second spindle parallel to the first-identified spindle and a second crimping wheel on the second spindle in circumferential engagement with the first-identified crimping wheel, and resilient means for positioning and retaining said second crimping wheel in contact with the first-identified crimping wheel comprising posts on the body on opposite sides of the circumference of said second crimping wheel, a plurality of flat springs having ends loosely engaging the posts and having central apertures therein adapted to receive said second crimping wheel, said second spindle having a position against and beneath the lowermost flat spring, compression spring means between the ends of the flat springs and the posts, adjustable means on at least one of the posts adapted to vary the tension of the compression spring engaging said post, and a crank on one of the spindles adapted to rotate one of said crimping wheels.

2,574,422
SWIVEL CAP
Norman T. Stoos, Jr., Trooper, and James Bondi, Norristown, Pa.
Application May 27, 1948, Serial No. 29,498
1 Claim. (Cl. 222—517)

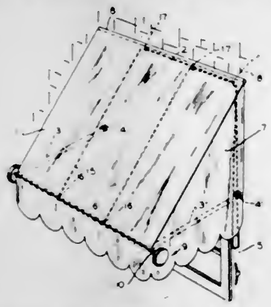
For use with a receptacle, a dispensing cap comprising a sleeve having threads at the lower end for attachment with the open end of the receptacle, a coil spring seated within said sleeve, means fixed to the sleeve intermediate its ends and extending inwardly of said sleeve, support-

ing one end of said spring, a swivelly mounted closure engaged by the opposite end of said spring, means for retaining said closure swivelly within the upper end of said sleeve, said last mentioned means comprising a flange fixed to said sleeve at the upper end thereof and said closure having an arcuate surface and a flat surface, the flat surface having a larger diameter than the opening



formed by the flange preventing the spring from urging the closure through the upper end of said sleeve by engagement with said sleeve, and some of the coils of the spring passing around the flat and arcuate surfaces of said closure when the closure is swivelled to the sleeve opening position, so that the coils of the spring retain the closure in the open position.

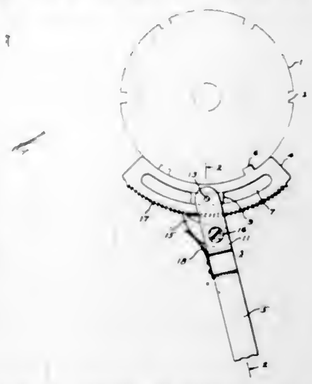
2,574,423
AWNING CONSTRUCTION
Leo M. Sweeney, Brentwood, Pittsburgh, Pa.
Application February 9, 1951, Serial No. 210,219
6 Claims. (Cl. 160—57)



2. In an awning structure of the type described the combination of a flexible panel having means at its upper edge for securing same to a building wall provided with an opening, a transversely extending vertically movable frame member supporting the lower edge of said panel, flexible operating means connected to said member and the building wall for elevating said member to a position adjacent the building wall and above said opening therein and for lowering said member to a position below the upper end of the opening in the wall to cover the opening with said panel, securing means for said flexible operating means and yieldable contacting means comprising a bumper disk secured to each end of said frame member for engaging the wall on opposite sides of said opening to hold the frame and panel members spaced therefrom.

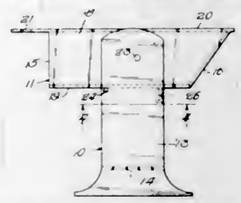
2,574,424
RATCHET SPANNER WRENCH
Casimere A. Szetela, Adams, Mass., assignor to General Electric Company, a corporation of New York
Application August 23, 1949, Serial No. 111,908
2 Claims. (Cl. 81—90)

1. An arcuate spanner wrench of the type having one projection engaging a mating recess in the object being turned, comprising an arcuate spanner element with which said projection is integral, said spanner element having a grooved track on each of its two opposite arcuate surfaces which are perpendicular to the axis of rotation, a handle for said wrench, slide elements pivotally connected to said handle at the end thereof adjacent said spanner element, said slide elements being movable in said grooved



tracks to permit adjustment of the position of said handle relative to said spanner element, ratchet teeth on the radially outer arcuate surface of said spanner element, and a pawl pivotally mounted on said handle and engageable with said ratchet teeth to communicate turning force applied to said handle to said spanner element, thereby applying a turning force to said object being turned.

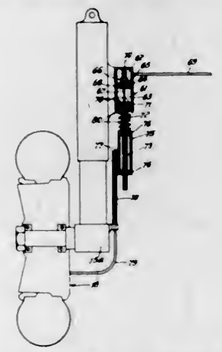
2,574,425
COMBINATION MAGAZINE RACK, TABLE, AND LEG REST
Dorothy E. Thompson, Dayton, Ohio
Application January 23, 1948, Serial No. 3,952
1 Claim. (Cl. 155—169)



An article of furniture comprising, a base member having a pair of spaced vertical supports; a carrying member mounted for pivotal movement about a fixed horizontal axis extending between said supports, said carrying member being open at one end and having a bottom and four sides, one of which forms a supporting surface, movement of said carrying member from one position to another placing said open end and said supporting surface respectively in position for use; a stop rod extending horizontally between said vertical supports for limiting the movement of said carrying member between a horizontal terminal position and a vertical terminal position; and a hinge mounted on each of said vertical supports, each of said hinges having a movable holding surface in the same horizontal plane as said stop rod for releasably holding said carrying member in engagement with said stop

rod, the apparatus being so arranged that movement of said carrying member into a position in engagement with said stop rod and the holding surfaces of said hinges places said supporting surface in a horizontal plane in position for use, movement of said member into a position in engagement with said stop rod but out of engagement with the holding surfaces of said hinges places said open end in a horizontal plane in position for use, while movement of said carrying member into a position out of engagement with said stop rod and the holding surfaces of said hinges places said supporting surface in an oblique plane in position for use.

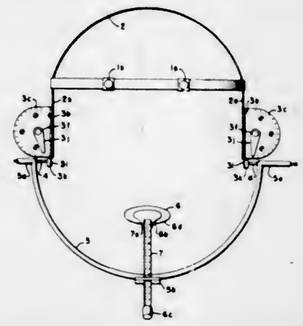
2,574,426
BRAKING SYSTEM FOR AIRCRAFT
Henry William Trevaskis, Solihull, England, assignor to Dunlop Rubber Company Limited, London County, England, a British company
Application July 13, 1949, Serial No. 104,560
In Great Britain July 16, 1948
1 Claim. (Cl. 244—111)



A braking system for an aircraft wheel brake wherein said wheel is mounted on an oleostrut, comprising a housing secured alongside one part of the strut and containing a pressure chamber within said housing connected to a source of fluid pressure and an operating chamber aligned with said pressure chamber on a line parallel to the axis of the strut, a passage connecting said chambers, an inlet valve in the pressure chamber spring-urged to close said passage, a valve stem secured to said valve and extending axially into the operating chamber, a piston slidable in the operating chamber to contact the end of said valve stem, a tube extending axially from the piston away from the operating chamber, said tube communicating through the piston with the operating chamber and being closed at the opposite end, a hollow cylindrical member slidably fitted over said tube, a rigid pipe fixed to the other part of the strut and connecting the said member with the wheel brake, a port in the tube communicating with the interior of the hollow cylindrical member and a helical spring located between the piston and the adjacent end of said member to maintain the piston in contact with the valve stem.

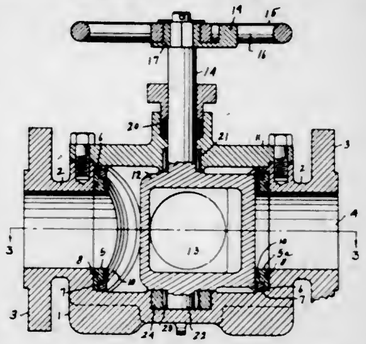
2,574,427
CONDYLE POSITION INDICATING APPARATUS
Charles F. Tully, San Diego, Calif.
Application September 22, 1945, Serial No. 618,025
3 Claims. (Cl. 33—174)

1. A device of the character described comprising a head band having a horizontal component and a vertical component, an amplitude jaw movement dial indicator secured to said vertical component, a yoke pivotally and operatively se-



cured to said dial indicator, and a chin rest adjustably secured to said yoke, provided with a scale for primary adjustment of the chin in normal rest position.

2,574,428
VALVE ASSEMBLY
Thomas Wheatley, Houston, Tex.
Application November 15, 1948, Serial No. 60,104
2 Claims. (Cl. 251—91)



1. A valve assembly comprising, a casing having a flowway therethrough, annular valve seats mounted in the casing around the flowway and spaced apart and having annular curved seating faces, a valve mounted in the casing to rotate about an axis which is approximately perpendicular to the axis of said seats, said valve having an external curved face, means for shifting the valve axis to positions eccentric with respect to the respective seats said means comprising an operating stem on said valve, a cap plate, securing means cooperable with said cap plate and said casing for retaining said cap plate in one of several alternative positions on said casing, said cap plate having an opening for the passage therethrough of said stem, said opening being positioned eccentric with respect to said axis of said valve seats, a pin extending from said valve opposite said stem, and bearing means moveably disposed in said casing for cooperation with said pin to maintain said pin eccentric with relation to said axis of said valve seats, said valve face being movable, upon turning movement of the valve, into contact with one of said seat faces when the valve is in one of said positions and

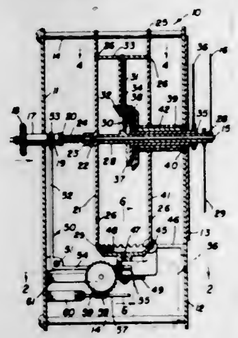
being movable into contact with the other seat face when the valve is shifted to said other position.

2,574,429
SNAP ACTION SWITCH
Charles W. Wood, Nutley, N. J., assignor to General Electric Company, a corporation of New York
Application June 4, 1948, Serial No. 31,028
5 Claims. (Cl. 200—67)



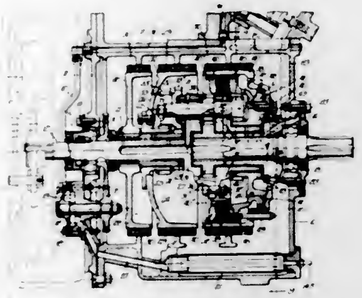
1. A snap action electric switch comprising a pair of cantilever spring strips mounted in substantially parallel spaced relation and having their free ends biased toward each other, a relatively fixed contact mounted upon the free end of at least one of said strips on the side adjacent the other strip, a movable over-center switch arm mounted between said strips in substantially parallel spaced relation therewith and carrying at its free end a contact movable between said spring strips, the maximum over-center biasing force of said switch arm being sufficient to deflect the associated spring strip against its bias when said switch arm is in engagement with said fixed contact, and a movable actuating member having a connection with the free end of at least said one spring strip and arranged to deflect said one strip laterally in the direction of said switch arm until the biasing force of said spring strip exceeds the biasing force of said switch arm, thereby to actuate said over-center switch arm.

2,574,430
SYNCHRONOUS MOTOR CLOCKWORK
Edgar A. Allen, Wheelersburg, Ohio
Application December 6, 1948, Serial No. 63,663
14 Claims. (Cl. 58—26)



1. A clockwork construction of the class described comprising a framework including interconnected spaced parallel plates, a clock dial fixedly mounted on one of said plates, a horizontally disposed second hand shaft mounted for rotation in and essentially between said plates, a second hand carried by said second hand shaft and cooperable with said dial, a minute hand, means for rotatably mounting said minute hand on said second hand shaft, an hour hand, means mounting said hour hand for operation from said second hand shaft, a pair of spaced parallel sun gears supported between said plates by said second hand shaft, each sun gear having a predetermined number of teeth and the number of teeth on one sun gear differing from the number of teeth on the other sun gear, a drive gear in mesh with said sun gears, means for imparting rotation to said drive gear, said sun gears being further provided with equidistant circumferentially spaced openings concentric to the axis of rotation of said sun gears, a planetary cog between said sun gears having peripheral teeth engageable in said openings, and operating connections between said planetary cog and second, minute and hour hands, whereby the latter operate in predetermined sequential order in relation to said dial.

2,574,431
TRANSMISSION
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application March 10, 1945, Serial No. 582,061
20 Claims. (Cl. 74—767)

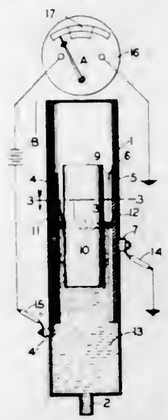


1. Control structure for the plural operating means of a transmission or like apparatus, comprising a source of fluid under pressure, a control chamber in communication with said source and having fluid connections to said respective operating means, a control member acting in said chamber to control selectively the transmission of fluid from said source to said respective connections, a further chamber between and in communication with said source and first named control chamber, a master device in said further chamber actuable to cut off transmission of fluid pressure from said source to said control chamber, means for actuating said last named device and member, and a manually actuable booster device having a fluid pressure supply line connected to said control chamber.

2,574,432
INSTRUMENT FOR MEASURING OR INDICATING THE SPECIFIC GRAVITY OF LIQUIDS
Guy E. Brown and Byron K. Macey, Burlington, Vt.
Application September 17, 1945, Serial No. 616,702
1 Claim. (Cl. 73—33)

Instrument for measuring the specific gravity of a liquid consisting of a container of insulating material having conduits communicating said container from points adjacent its bottom and medial its top and bottom to a reservoir of the

liquid to be tested, a resistance coil positioned vertically within the container and against one side wall, a conductive guide element having a longitudinally extending groove, said guide positioned within the container against the opposite wall with said groove confronting the coil, both said coil and guide rod positioned to extend above and below the medial conduit, a



float in the container, a conductive rod extending diametrically through the float with one end slidingly positioned in the groove of the guide member, a resilient contact finger mounted on the opposite end of said rod engaging the resistance coil and an ammeter in circuit with said coil contact finger, conductor rod, guide rod and a source of electric current.

2,574,433
SYSTEM FOR DIRECTIONAL INTERCHANGE OF ENERGY BETWEEN WAVE GUIDES AND FREE SPACE
Roger E. Clapp, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application October 1, 1943, Serial No. 504,638
36 Claims. (Cl. 250—33.63)

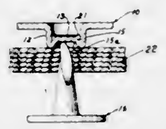


6. A wave guide for high-frequency electric waves adapted for interchange of energy with surrounding space with the production of directive characteristics, including a tubular metallic wave-guiding wall having a series of longitudinally spaced slots therein, said series being arranged in substantially a straight line, such straight line being so located that except for features hereinafter specified in this claim substantially no electric field is adapted to be excited across said slots when said wave guide is operating in a desired mode, and two metallic projections extending into said wave guide mounted on said wall near the middle of each of said slots, said metallic projections being adjustable as to the extent of their penetration into said wave guide and located one on each side of each of said slots, whereby said slots are adapted to be tuned to resonance at a desired frequency with relatively little effect on the coupling through said slots by simultaneous variation in the same direction of the penetration of said projections into said wave guide, and the degree of coupling between said wave guide and surrounding space through each of said slots is adjustable with relatively little effect upon the tuning of said slots by varying the difference between the penetration into said wave guide of the two projections associated with each of said slots.

2,574,434
METHOD FOR REFINING PETROLEUM HYDROCARBONS
Alexander Greentree, Nacogdoches, Tex., and Donald A. Hermanson, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 4, 1949, Serial No. 97,324
10 Claims. (Cl. 196—147)

1. A process for refining a petroleum hydrocarbon mixture, comprising contacting said mixture in the liquid phase with a porous particle-form contact material in which most of the pores are micropores and the volume of pores having radii greater than about 100 angstrom units is less than about 30 per cent of the total pore volume and in which the particles are greater than about 60 mesh size to effect sorption of the less viscous, light-colored components of said mixture into the pores of said contact material, while leaving unsorbed the more viscous, dark-colored components, separating the unsorbed components from the contact material containing sorbed components, heating said contact material containing sorbed components to an elevated temperature greater than about 200° F. but insufficient to cause appreciable cracking of the components sorbed therein and thereafter solvent-extracting said sorbed heat treated components from the pores of said contact material.

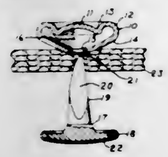
2,574,435
BURR
Oren B. Maxim and Roger M. Peabody, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 12, 1949, Serial No. 75,996
6 Claims. (Cl. 85—37)



1. In a rivet burr construction for attaching a plurality of ply members together, a burr comprising a flange and a barrel extending from said flange, said barrel having a closed end in the form of a flat base set inwardly from that end of the barrel opposite from the flange, and a rivet tack having a pointed end, said burr adapted to have its edge portion adjacent its base end set against the ply members, and said tack shank being driven through said ply members and through

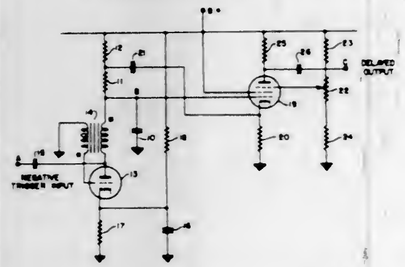
said flat base in a perpendicular manner at any point that the pointed end of said tack may contact said base, the shank of said tack being balled over or upset within the confines of said barrel to firmly clinch the tack and burr together through the ply members.

2,574,436
CLOSED TYPE BURR
Oren B. Maxim, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 12, 1949, Serial No. 75,997
3 Claims. (Cl. 85—37)



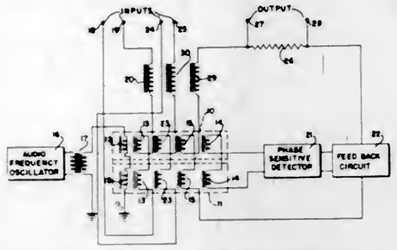
1. A burr of unitary construction comprising a central top anvil portion of outwardly domed shape, an integral surrounding hollow bead joined to said anvil portion by a reentrant angle, and an inwardly tapering back portion of frusto-conical shape extending from the outer edge of said bead, said domed anvil portion being substantially one-half the circumferential diameter of said bead and formed as a spherical segment of a radius no greater than its diameter so as to provide an interior concave recess capable of upsetting and balling over the pointed end of a tack, said back portion having a central opening in line with said anvil portion and providing a relatively sharp leading edge for said back portion.

2,574,437
LINEAR DELAY CIRCUIT
Harry J. Reed, Jr., West Lafayette, Ind., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application March 4, 1946, Serial No. 651,870
5 Claims. (Cl. 250—27)



1. Apparatus for providing a variable time delay comprising, a pentode having its three inner elements connected to provide a cathode follower circuit, a circuit associated therewith for producing a rising sweep voltage, said cathode follower circuit being connected back to said associated circuit for improving the linearity of said rising sweep voltage, the suppressor grid of said pentode being connected to an adjustable positive voltage source to produce an output from said pentode delayed from the beginning of said rising sweep voltage by an amount depending on the magnitude of said adjustable positive voltage.

2,574,438
COMPUTER USING MAGNETIC AMPLIFIER
Bruno Rossi, Winchester, Mass., Henri S. Sack, Ithaca, N. Y., Robert T. Beyer, Providence, R. I., and Glenn H. Miller, Rochester, N. Y., assignors to the United States of America as represented by the Secretary of the Navy
Application July 3, 1946, Serial No. 681,186
9 Claims. (Cl. 171—97)



1. A computer for the algebraic addition of currents or potentials comprising, two non-linear transformers each having a primary winding, a plurality of secondary windings, a pick-up winding, and a compensation winding, an audio frequency oscillator, the output of said oscillator being applied to said primary windings of said transformers, a corresponding plurality of input circuits, each corresponding pair of secondary windings on each transformer being connected in series and to a corresponding one of said input circuits, and a rectifying means for transforming to a direct voltage the alternating voltage induced in said pick-up windings, the output of said rectifying means being applied to said compensation windings, whereby the current in said compensation windings is proportional to the algebraic sum of the currents in said plurality of input circuits.

2,574,439
PLASTICIZED POLYSTYRENE COMPOSITION
Raymond B. Seymour, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 11, 1945, Serial No. 598,896
3 Claims. (Cl. 260—45.5)

1. A moldable polystyrene composition consisting of from 50% to 60% by weight of a solid homopolymer of styrene, the balance thereof being a styrene-conjugated diene interpolymer, said interpolymer consisting of from 75% to 60% of styrene and from 25% to 40% by weight of a conjugated diene selected from the class consisting of butadiene and isoprene said interpolymer having been formed in aqueous emulsion.

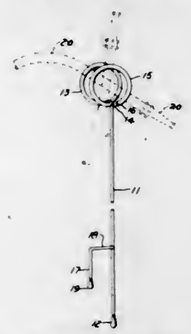
2,574,440
HEATED KNIFE
James B. Smith and James Q. Sidwell, Murfreesboro, Tenn.
Application July 1, 1949, Serial No. 102,657
6 Claims. (Cl. 219—29)

1. A heated knife for cutting linoleum comprising a tubular casing, a removable cap closing one end of said casing, a hollow, cylindrical heating element mounted within said casing at the other end thereof, a heat-conducting bar removably mounted within said heating element, a cutting blade mounted on one end of said bar outside of said casing, a plurality of spaced blocks mounted on said casing at spaced points thereon, a heat-shield mounted on said spacer blocks and having



a plurality of ears formed along the edges thereof, a pistol-grip handle having an arcuate groove formed longitudinally along the upper edge thereof and a plurality of lugs formed on both sides of said groove, and means securing the ears of said heat shield to said lugs for supporting said casing on said handle.

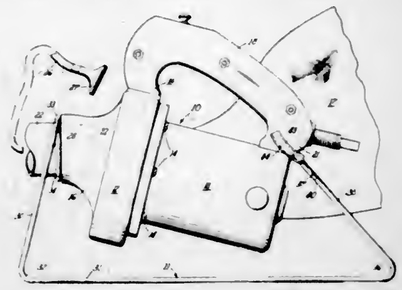
2,574,441
HOSE CLAMP
Kenneth D. Stewart, Carleton, Mich.; Aline Stewart administratrix of said Kenneth D. Stewart, deceased
Application December 4, 1946, Serial No. 714,057
1 Claim. (Cl. 248—87)



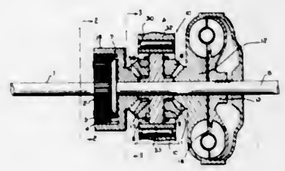
A hose clamp comprising a rod with a pointed lower end, a circular loop formed at its upper end as a continuation of said rod, a transverse U-shaped portion at the end of said loop, and a second loop extending from said U-shaped portion, being a further continuation of said rod, and lying in parallel spaced relation to said first loop, said second loop having a free end rendering said second loop laterally yieldable with respect to said first loop facilitating angular adjustment of a hose between said loops.

2,574,442
GLIDER FOR HAND VACUUM CLEANERS
Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 14, 1949, Serial No. 93,382
3 Claims. (Cl. 280—12)

1. A glider for use with hand type vacuum cleaners, comprising, a wire frame bent from a single piece of wire, said frame having a pair of wire runners, a pair of wire portions upstanding at one end of said glider and converging toward one another, a U-shaped bend joining the upper ends of said upstanding portions, a second pair of wire portions upstanding at the other end of said glider and converging toward one another, a pair of horizontal coaxial wire portions extending toward one another from the upper ends of said second upstanding portions and, a pair of parallel adjacent portions extending upwardly from ends of said horizontal portions, and a pair of outwardly and upwardly bent portions extending from said parallel portions, said parallel portions being welded together and said outwardly and upwardly bent portions being covered by rubber tubes.



2,574,443
VARIABLE-SPEED TORQUE CONVERTER
James S. Voymas, Newton, Mass.
Application April 4, 1949, Serial No. 85,407
4 Claims. (Cl. 74—688)



1. A torque multiplier device of the type described comprising a flexible coupling member composed of two separate parts adapted to be rotated at different speeds with one part normally the driving and the other the driven part, a drive shaft having a sun gear thereon, a driven shaft coupled to said driven part carrying a frame and planetary idler gears mounted for rotation thereon engaging said sun gear, a ring gear concentrically mounted with respect to said sun gear and engaging said planetary idler gears, a bevel type planetary gear unit having one set of bevel gears coaxially mounted on the driven shaft with one gear fixed to the ring gear and the other to the driving part of the coupling unit, mounting means coaxially supported freely on the driven shaft having shaft elements perpendicular to the driven shaft, a second set of bevel gears supported for rotation by said shaft elements and brake means for acting against the rotation of said mounting means only in one direction about the driven shaft.

2,574,444

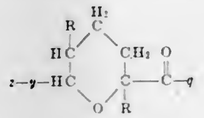
SUBSTITUTED ARYL 6-TETRAHYDROPYRANYL ETHERS

Richard R. Whetstone, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 27, 1948, Serial No. 67,573

12 Claims. (Cl. 260—333)

1. A chemical compound having a structure defined by the formula



in which *z* represents a radical of the class consisting of unsubstituted aromatic hydrocarbon and halogen-substituted aromatic hydrocarbon, *y* represents a divalent atom of an element of group VI having an atomic weight below 40, R represents a member of the class consisting of hydrogen and hydrocarbon, and *q* represents a member of the class consisting of hydrogen and hydrocarbyloxy.

2,574,445

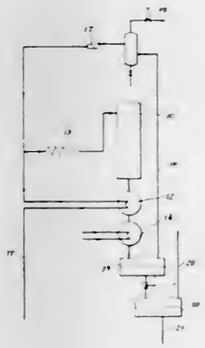
CATALYTIC DESULFURIZATION OF KEROSENE AND WHITE SPIRITS

Frederick William Bertram Porter and Frank Robert George Green, Sunbury on Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

Application August 27, 1948, Serial No. 46,502

In Great Britain August 26, 1947

6 Claims. (Cl. 196—28)



1. In a process for the hydrocatalytic desulphurization of a sulphur-and-naphthene-containing petroleum fraction boiling within the range of about 150–240° C., wherein the fraction is passed in vapor form to a reaction zone wherein it is contacted in the presence of hydrogen and at elevated temperature and pressure with a dehydrogenation-hydrogenation catalyst which is immune to sulphur poisoning and combines activity for the dehydrogenation of naphthenes to aromatics with activity for the hydrogenation of organically combined sulphur in the fraction to hydrogen sulphide, and wherein the treated fraction is removed from the reaction zone and the hydrogen sulphide subsequently removed therefrom, the method of operating the process so that it will be self-supporting with respect to the amount of hydrogen needed and produce product oil having, except for lowered sulphur content, properties and boiling range substantially the same as the feedstock, comprising the steps of passing the fraction to be treated through said reaction zone and contacting the fraction therein with said catalyst and with hydrogen derived solely from the oil, maintaining a selected temperature in said zone between about 700° F. to about 800° F. at which hydrogen is produced continuously from said fraction, maintaining a selected pressure in said zone between about 50 to about 250 lb./sq. in. gauge, said selected temperature and pressure being correlated to effect the dehydrogenation of naphthenes contained in the fraction to an extent not substantially in excess of that required to produce sufficient hydrogen to convert the organically combined sulphur into hydrogen sulphide and to maintain the pressure in the reaction zone, separating the products from the reaction zone into the desired liquid product oil substantially free of sulphur, a hydrogen sulphide-rich gas mixture, and a hydrogen-rich gas mixture, and recycling said hydrogen-rich gas mixture to the reaction zone as the sole source of hydrogen to said zone and at a rate sufficient to maintain the necessary partial pressure of hydrogen therein.

2,574,446

CATALYTIC DESULFURIZATION OF GAS OIL-KEROSENE MIXTURES

Patrick Docksey and Frederick William Bertram Porter, Sunbury on Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application December 30, 1948, Serial No. 68,416. In Great Britain December 16, 1947

4 Claims. (Cl. 196—28)

1. In a continuous process for the hydrocatalytic desulphurization of a straight run sulphur-and-naphthene-containing petroleum distillate consisting of a mixture of material boiling substantially within the gas oil range and material boiling substantially within the kerosene range, wherein the distillate is contacted in vapor form in a reaction zone at an elevated temperature and pressure in the presence of hydrogen with a dehydrogenation-hydrogenation catalyst which is immune to sulphur poisoning and combines activity for the dehydrogenation of naphthenes in said distillate to aromatics with activity for the hydrogenation of organically combined sulphur in the distillate to hydrogen sulphide, the method of operating the process so that it will be self-supporting with respect to the amount of hydrogen needed and produce a desulphurized distillate from which desulphurized distillate fractions may be recovered by a single distillation step, said desulphurized distillate having, except for lowered sulphur content, properties and boiling range substantially the same as the feedstock; comprising the steps of passing the distillate to be treated through said reaction zone and contacting the distillate therein with said catalyst and with hydrogen derived solely from the distillate, maintaining a selected temperature in said zone between about 700° F. to about 800° F. at which hydrogen is continuously produced from said distillate, maintaining a selected pressure in said zone between about 50 to about 250 lbs./sq. in. gauge, said selected temperature and pressure being correlated to provide, from the dehydrogenation of naphthenes contained in said distillate, a net production of hydrogen at least sufficient to convert organic sulphur compounds in said distillate to hydrogen sulphide and to maintain the selected pressure in said zone; separating a hydrogen-rich gas mixture from the treated distillate, recycling said hydrogen-rich gas mixture to the reaction zone to constitute the whole of the hydrogen supplied to said zone, the hydrogen recycle rate being sufficient to maintain the necessary partial pressure of hydrogen in said zone; and fractionating the desulphurized distillate for the separate recovery of a desulphurized distillate fraction boiling within the gas oil range and a desulphurized distillate fraction boiling within the naphtha/kerosene range.

2,574,447

CATALYTIC DESULFURIZATION OF PETROLEUM HYDROCARBONS

Frederick William Bertram Porter, Sunbury-on-Thames, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application May 19, 1949, Serial No. 94,262. In Great Britain June 1, 1948

4 Claims. (Cl. 196—28)

1. In a continuous process for the hydrocatalytic desulphurization of a sulphur-and-naphthene-containing petroleum distillate boiling above 375° C. wherein the distillate is contacted in vapor form in a reaction zone at an elevated temperature and pressure in the presence of hydrogen with a dehydrogenation-hydrogenation catalyst which is immune to sulphur poisoning and combines activity for the dehydrogenation of naphthenes in said distillate to aromatics with activity for the hydrogenation of organically combined sulphur in the distillate to hydrogen sulphide, the method of operating the process so that it will be self-supporting with respect to the hydrogen needed and produce, as product, a desulphurized distillate whose nature, except for lowered sulphur content, is substantially the same as the feedstock, which method comprises the steps of: passing the distillate to be treated through said reaction zone in vapour form and contacting the distillate therein with said catalyst and with hydrogen derived solely from the distillate: maintaining a selected temperature in said zone between about 750° F. to about 800° F. at which hydrogen is continuously produced from said distillate by dehydrogenation of naphthenes therein to aromatics; maintaining a selected pressure in said zone between about 50 to about 200 lbs./sq. in. gauge, said selected temperature and pressure being correlated to provide a continuous net production of hydrogen at least equal to but not substantially in excess of that required to effect conversion of said organic sulphur compounds to hydrogen sulphide and to maintain the pressure in said zone; separating a hydrogen-rich gas mixture from the treated distillate; recycling said hydrogen-rich gas mixture to said reaction zone to constitute the whole of the hydrogen supplied to said zone, the hydrogen-rich gas mixture recycle rate being sufficient to maintain the necessary partial pressure of hydrogen in said zone; and, recovering the desired product distillate from the residue of said separating operation.

2,574,448

CATALYTIC DESULFURIZATION OF GAS OIL

Patrick Docksey and Frederick William Bertram Porter, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application June 21, 1949, Serial No. 100,538. In Great Britain June 24, 1948

3 Claims. (Cl. 196—28)

1. In a continuous process for the hydrocatalytic desulphurization of a sulphur-and-naphthene-containing petroleum oil boiling substantially in the gas oil range wherein the oil is contacted in vapor form in a reaction zone at an elevated temperature and pressure in the presence of hydrogen with a dehydrogenation-hydrogenation catalyst which is immune to sulphur poisoning and combines activity for the dehydrogenation of naphthenes in said oil to aromatics with activity for the hydrogenation of organically combined sulphur in said oil to hydrogen sulphide, the method of operating the process so that it will be self-supporting with respect to the amount of hydrogen needed and produce a desulphurized product oil having, except for lowered sulphur content, properties and boiling range substantially the same as the feedstock, comprising the steps of passing the gas oil to be treated through said reaction zone and contacting the gas oil therein with said catalyst and with hydrogen derived solely from the oil, maintaining a selected temperature in said zone between about 750° F. to about 820° F. at which hydrogen is continuously produced from said oil, maintaining a selected pressure in said zone between about 50 to about 200 lbs./sq. in. gauge, said selected temperature and pressure being correlated to provide, from the dehydrogenation of naphthenes contained in said oil, a net production of hydrogen at least sufficient to maintain the pressure in said zone substantially constant, separating a hydrogen-rich gas mixture from the treated gas oil, recycling said hydrogen-rich gas mixture to the reaction zone to constitute the whole of the hydrogen supplied to said zone, the hydrogen recycle rate being sufficient to maintain the necessary partial pressure of hydrogen in said zone, and recovering the desired product oil.

2,574,449

PROCESS OF CATALYTIC DESULFURIZATION OF NAPHTHENIC PETROLEUM HYDROCARBONS FOLLOWED BY CATALYTIC CRACKING

Henry Thomas Lorne and Frederick William Bertram Porter, Sunbury on Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

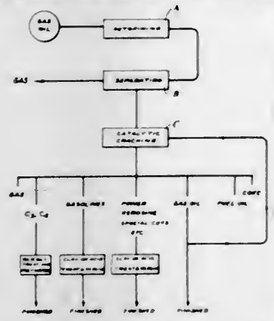
Application November 4, 1949, Serial No. 125,512

In Great Britain November 9, 1948

3 Claims. (Cl. 196—52)

1. In a continuous process for the production of catalytically cracked products of low sulphur content from a sulphur-and-naphthene-containing feedstock boiling above the gasoline range wherein the feedstock is first contacted in vapor form in a reaction zone at an elevated temperature and pressure in the presence of hydrogen with a dehydrogenation-hydrogenation catalyst which is immune to sulphur poisoning and combines activity for the dehydrogenation of naphthenes in said feedstock to aromatics with activity for the hydrogenation of organically combined sulphur in the feedstock to hy-

drogen sulphide, the method of operating the process so that it will be self-supporting with respect to the amount of hydrogen needed and produce a desulphurized feedstock for passage to the catalytic cracking zone, said desulphurized feedstock having, except for lowered sulphur content, properties and boiling range substantially the same as the feedstock, comprising the steps of passing the feedstock to be treated through said reaction zone at a space velocity not in excess of 10 v/v/hr. and contacting the feedstock therein with said catalyst and with hydrogen derived solely from the feedstock, maintaining a selected temperature in said zone between about 650° F. to about 800° F. at which hydrogen is continuously produced from said feedstock, maintain-



ing a selected pressure in said zone between about 25 to about 500 lbs./sq. in. gauge, said selected temperature and pressure being correlated to provide a net production of hydrogen at least sufficient to maintain the pressure in said zone substantially constant, separating a hydrogen-rich gas mixture from the treated feedstock, recycling said hydrogen-rich gas mixture to the reaction zone to constitute the whole of the hydrogen supplied to said zone, the hydrogen recycle rate being sufficient to maintain the necessary partial pressure of hydrogen in said zone, passing the treated feedstock to a catalytic cracking zone, catalytically cracking the treated feedstock in said cracking zone, and recovering substantially sulphur-free products from the products of the cracking reaction.

2,574,450

DESULFURIZATION OF HYDROCARBON EXTRACTS

Frederick William Bertram Porter and Roy Purdy Northcott, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application February 7, 1950, Serial No. 142,942. In Great Britain December 14, 1948

5 Claims. (Cl. 196—28)

1. A process for the hydrocatalytic desulphurization of a sulphur-and-naphthene-containing aromatic extract of hydrocarbon oil, which process is self-supporting with respect to the hydrogen needed and is productive of a desulphurized aromatic extract having, except for lowered sulphur content, properties and boiling range substantially the same as the feedstock, comprising the steps of: passing a feedstock consisting of the aromatic extract to be desulphurized to a reaction zone and contacting the feedstock therein with a dehydrogenation-hydrogenation catalyst and with hydrogen derived solely from the feedstock, said catalyst being resistant to sulphur poisoning and combining activity for the dehydrogenation of naphthenes in said feedstock to aromatics with activity for the hydrogenation of organically combined sulphur in said feedstock to hydrogen sulphide; maintaining a selected temperature in said zone between about 700° F. to about 800° F. at which hydrogen is continuously produced from said feedstock; maintaining a selected pressure in said zone between about 50 to about 250 lbs./sq. in. gauge, said selected temperature and pressure being correlated to provide, from the dehydrogenation of naphthenes contained in said feedstock, a net production of hydrogen at least sufficient to convert organically combined sulphur in the feedstock into hydrogen sulphide and to maintain said selected pressure; separating hydrogen sulphide and a hydrogen-rich gas mixture from the desulphurized feedstock; recycling said hydrogen-rich gas mixture to the reaction zone to constitute the whole of the hydrogen supplied to said zone, the hydrogen recycle rate being sufficient to maintain the necessary partial pressure of hydrogen in said zone; and, recovering the desired desulphurized aromatic extract from the residue of said separating operation.

2,574,451

CATALYTIC DESULFURIZATION OF PETROLEUM HYDROCARBONS

Frederick William Bertram Porter and Roy Purdy Northcott, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application April 27, 1950, Serial No. 158,598. In Great Britain May 9, 1949

3 Claims. (Cl. 196—28)

1. A process for the hydrocatalytic desulphurization of a sulphur-and-naphthene-containing blended fuel suitable for use as a tractor vaporizing oil or power kerosene, said fuel consisting of a mixture of catalytically cracked naphtha, kerosene and straight run naphtha, which process is self-supporting with respect to the hydrogen needed and is productive of a desulphurized blended fuel having, except for lowered sulphur content, properties and boiling range substantially the same as the feedstock, comprising the steps of: passing the blended fuel to be desulphurized to a reaction zone and contacting the fuel therein with a dehydrogenation-hydrogenation catalyst and with hydrogen derived solely from the fuel, said catalyst being resistant to sulphur poisoning and combining activity for the dehydrogenation of naphthenes in said fuel to aromatics with activity for the hydrogenation of organically combined sulphur in said fuel to hydrogen sulphide; maintaining a selected temperature in said zone between about 700° F. to about 800° F. at which hydrogen is continuously produced from said fuel; maintaining a selected pressure in said zone between about 50 to about 250 lbs./sq. in. gauge, said selected temperature and pressure being correlated to provide, from the dehydrogenation of naphthenes contained in said fuels, a net production of hydrogen at least sufficient to convert organically combined sulphur in said fuel into hydrogen sulphide and to maintain said selected pressure; separating hydrogen sulphide and a hydrogen-rich gas mixture from the desulphurized fuel; recycling said hydrogen-rich gas mixture to the reaction zone to constitute the whole of the hydrogen supplied to said zone, the hydrogen recycle rate being sufficient to maintain the necessary partial pressure of hydrogen in said zone; and, recovering the desired desulphurized blended fuel from the residue of said separating operation.

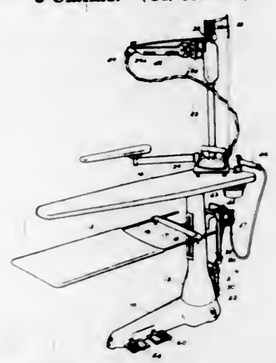
2,574,452

METHOD OF FINISHING FURS

Frank H. Richterkessing, Louisville, Ky.

Application March 11, 1948, Serial No. 14,263

3 Claims. (Cl. 69—22)



1. The method of finishing curly-haired furs such as Persian lamb, krimmer, caracul, broadtail, Persian paw, which consists of discharging a mixture of heated compressed-air and dry-steam directly into atmosphere horizontally above the portion of the fur garment under treatment, and then, as the moisture of condensation from the aforesaid mixture settles on to the surface of the fur, directing blasts of heated compressed-air directly into the curl of the fur in a circular motion, so as to develop the curl and remove imbedded foreign matter.

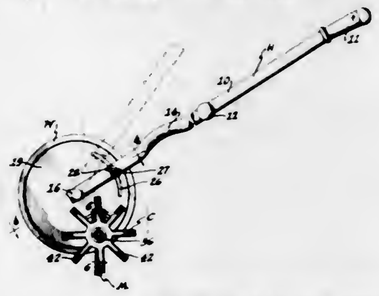
2,574,453

LAWN EDGER

Marvin A. Whitaker, Bellflower, Calif.

Application May 11, 1948, Serial No. 26,352

5 Claims. (Cl. 56—256)



1. A lawn edger which includes: a vertically positioned plate having a curved slot and centrally disposed bore formed therein; a boss extending outwardly from said plate formed with a longitudinal bore therein which extends through said plate; a tubular member having a cap on one end and provided with internal threads on the opposite end, with said member rotatably positioned in said bore; an elongated handle rotatably mounted on said tubular member for independent arcuate adjustment; a bolt engaging said slot and a bore provided in said handle whereby upon a wing nut being tightened on said bolt said plate and handle are locked together as an integral unit; a bolt engaging said threaded portion of said tubular member; a tubular member mounted on said bolt; a wheel having a hub of less width than said bolt supported tubular member, and said wheel rotatably mounted thereon; a pinion, with said pinion engaging gear teeth provided on the interior periphery of said wheel; a shaft rotatably supported in said bore formed in said boss, with said shaft being rigidly affixed on one end to said pinion, and provided on the opposite end with a threaded portion; a cutting member pivotally supported on said shaft, with said member having a bore formed therein; a bolt engaging said slot and said bore formed in said cutting member whereby said member can be independently adjusted; a pin transversely positioned on said shaft; a star-shaped rotatable cutting member having a centrally disposed slotted bore formed therein, with said rotatable cutting member slidably mounted on said shaft and rotated by said pin engaging said slotted bore; and a locking nut engaging said threaded shaft portion to maintain said rotatable cutting member in position on said shaft.

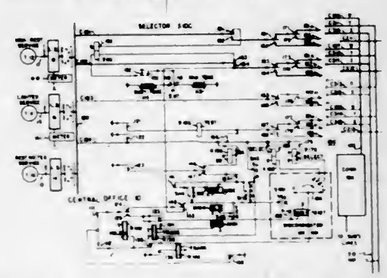
2,574,454

TELEPHONE SYSTEM

John Wicks, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application March 29, 1947, Serial No. 738,116. Divided and this application June 21, 1949, Serial No. 100,400

5 Claims. (Cl. 179—27)



1. In a telephone system including subscriber substations of first and second classes, automatic switching apparatus accessible to said subscriber substations, an operator switchboard, a first group of trunks extending to said operator switchboard, and a second group of trunks extending to a remote point; said switching apparatus including a contact bank provided with first and second sections and a cooperating wiper having a home position and operable away from its home position successively over said first and second sections of said contact bank, said first and second groups of trunks being respectively terminated in said first and second sections of said contact bank, each of said subscriber substations of said second class being provided with a conventional digit transmitting mechanism and each of said subscriber substations of said first class being provided with a unique digit transmitting mechanism capable of a special operation to transmit a special control, means responsive to a given digit for operating said wiper to search for an idle trunk in said first section of said contact bank, means responsive to said special control for operating said wiper to search for an idle trunk in said second section of said contact bank, and means for preventing said wiper from searching over said first section of said contact bank into said second section of said contact bank.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

538,244. **POLYVINYL CHLORIDE PNEUMATIC TIRE INNER TUBE.** Clayton F. Ruebensaal, Baltimore, and Earl H. Sorg, Hyde, Md., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Filed June 1, 1944. Published Nov. 6, 1951. Class 152—349. 1 sheet of drawings. 8 pages of specification.



This application relates to synthetic resin articles, particularly inner tubes for pneumatic tires and including pads and bodies for the tube valves. The tube 1 comprises a copolymer of vinyl chloride-vinyl acetate about 93% of the vinyl chloride being mixed with a quantity of a plasticizer (dibutyl sebacate) and a quantity of chlorinated paraffin wax containing about 40% of chlorine by weight. The resin, sebacate and chlorinated wax constitutes 52%, 38% and 10% by weight respectively of the composition.

In lieu of the specified vinyl chloride-vinyl acetate copolymer, gamma polyvinyl chloride or high molecular weight vinyl chloride polymers or copolymers may be used provided the vinyl chloride content ranges between about 91% and about 100%. The resin material should constitute between about 48% and 55% of the total composition of the inner tube.

In lieu of the dibutyl sebacate above specifically mentioned, other plasticizers may be used including dimethoxy ethyl phthalate, tributyl aconitate or dicapryl phthalate. The amount of plasticizer present in the tube composition should range between about 30% and about 47%.

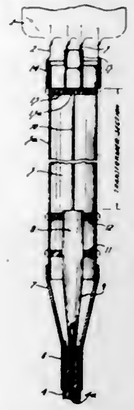
The chlorinated paraffin wax above specifically mentioned may range in chlorine content from about 30% to about 60% by weight and between about 5% and about 15% of such chlorinated wax should be present in the tube composition.

In Figure 1 a part of the tube 1 is shown assembled with a valve 2, an inner pad 3 being disposed between the inner surface of the tube 1 and the inner end 4 of the metal valve while an outer pad 5 engages the outer surface of tube 1 and is pressed thereagainst by the washer 6 and a nut 7 which has screw-threaded engagement with the exterior of valve 2.

The inner pad 3 consists of fabric impregnated with the same composition as that of the tube. The outer pad 5 is a laminated composite article consisting of alternate layers of fabric and of the composition employed in the tube, these layers having been bonded by heat and pressure.

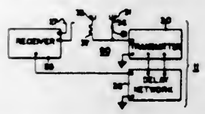
Figure 2 shows the layers which form the outer pad 5, with the resin composition layers 8 and intervening fabric layers 9 spaced apart prior to bonding.

602,445. **IMPEDANCE TRANSFORMING RECEPTACLE.** John H. Roe, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed June 30, 1945. Published Nov. 6, 1951. Class 178—44. 1 sheet of drawings. 6 pages of specification.



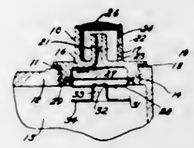
The impedance transforming receptacle illustrated in the drawing comprises an impedance matching transformer 5 having, at one end, a socket adapted to receive the contacts 2 and 3 of a high frequency load lamp 1, and, at the other end, a terminal 6, 9 adapted for connection to a coaxial transmission line 4. The device matches the impedance of the load lamp to that of the transmission line. At the transmission line end of the receptacle, the inner and outer conductors are tapered to match the physical dimensions of the transmission line. In the transformer section of the receptacle, the inner conductor 10 is of reduced diameter, the impedance of the transformer section being a function of its length and the frequency of the applied signal.

667,263. **WAVE-SIGNAL TRANSMITTING SYSTEM.** Charles J. Hirsch, Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois. Filed May 4, 1946. Published Nov. 6, 1951. Class 343—107. 1 sheet of drawings. 18 pages of specification.



A beacon transmitter system comprising a pair of antennas 31, 32 having partially overlapping directional characteristics and a radio-frequency transmitter 30 which is coupled to the antennas through transmission lines 36, 37 of unequal lengths, the longer line effectively constituting a passive delay network so that a single radio-frequency pulse generated by the transmitter 30 constitutes a pair of spaced pulses when radiated by the antennas. An attenuator 81 is employed for maintaining the paired pulses at the same amplitude level. The system avoids complex switching in either the low-level or the high-level stages of the transmitter.

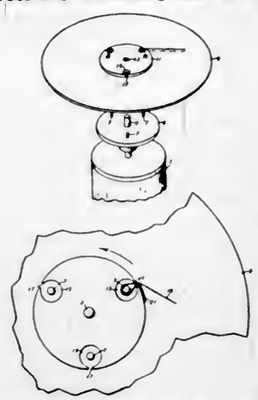
78,028. **FILLER CAP.** Edward Kaiser, Birmingham, and Howard Granville Reed, Grosse Pointe Farms, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. Filed Feb. 24, 1949. Published Nov. 6, 1951. Class 220—44. 1 sheet of drawings. 9 pages of specification.



This disclosure relates to a filler cap particularly adapted for use with the master cylinder reservoir of a motor vehicle hydraulic brake system. The filler cap is provided with a lower threaded shank having a horizontal partition and inner and outer annular shaped walls extending upwardly from the partition in concentric relation with each other to provide an annular chamber therebetween. The inner annular wall of the filler cap terminates beneath the tap of the outer wall and forms a vertical standpipe located centrally of the cap and permitting the transfer of air into and out of the reservoir while at the same time preventing the entrance of water into the reservoir which might otherwise enter through the filler cap vent due to the collection of road water, ice or snow upon the cap during inclement weather. The outer wall of the filler cap is provided with a pair of vent holes, one generally at the level of the top of the standpipe and one spaced beneath this level adjacent the lower part of the annular chamber. The lower vent hole permits moisture, etc. entering the cap to drain out and the upper vent hole insures the existence of a proper vent to the outside atmosphere even though the lower vent hole may be temporarily plugged with ice or dirt.

82,691. **TAPE REELS FOR MAGNETIC RECORDINGS.** Harold W. Lindsay, Redwood City, Calif., assignor to Ampex Electric Corporation, San Carlos, Calif., a corporation of California. Filed Mar. 21, 1949. Published Nov. 6, 1951. Class 242—74. 1 sheet of drawings. 5 pages of specification.

The disclosure relates to tape reels for magnetic recording apparatus. There is a driving or tensioning motor having a shaft 3 to which is secured a flange 5. One or more drive-pins 7 project from the flange surface parallel to the shaft but shorter than it. A tape reel fits over the flange and drive-pins and comprises a disk 9 having a parallelly located drum 11 fixed thereto. The disk and drum have a central aperture 13 to provide a sliding fit over the shaft 3. The disk is also provided with sliding fit apertures for receiving the drive-pins 7 which protrude therethrough to reach the upper surface of the drum 11. The drum periphery has large apertures 15 which surround the pins 7 projecting through the disk. In use, the tape 19 is folded to form a loop which is slipped through the slot 17 of the drum aperture and over the pin 7. With rotation of the reel the "standing end" 19 of the tape



binds the free end against the edge of the slot to hold it firmly.

88,685. **PROCESS FOR DYEING PELTS, HAIRS AND FEATHERS.** Arnold Weissberger, Rochester, N. Y. Filed Apr. 20, 1949. Published Nov. 6, 1951. Class 8—11. No drawing. 30 pages of specification.

Oxidation dyes and a process for their use in dyeing pelts, hairs, feathers, etc. are described. The dyes are amino compounds which are less allergenic than p-phenylenediamine. These dyes can be grouped into four classes represented by the following general formulas:

I. $H_2N-D-N(R)-Q-X$

II. $H_2N-C_6H_3(Q_1-X)-N(R)-R$

III. $H_2N-C_6H_3(Q_1-X)-N(Z)$

IV. $H_2N-C_6H_3(CH_2OH)-N(R)-R$

wherein D represents a p-phenylene group, e. g.

$-C_6H_3-$, $-C_6H_3(CH_3)-$, $-C_6H_3(OCH_3)-$

etc., Q represents an alkylene group, e. g. methylene, ethylene, propylene

(i. e. $-CH_2-CH(CH_3)-$)

trimethylene, etc., Q_1 represents an alkylene group, e. g. methylene, ethylene, propylene trimethylene, etc., or an —O—CH_2— group, an —O—CH_2—CH_2— group, etc. R represents an alkyl group, e. g. methyl, ethyl, β-methoxyethyl, β-hydroxyethyl, etc., X represents a carbamyl group, e. g. —$CONH_2$, —$CONHCH_3$, —$CONHC_2H_5$, etc., an acylamino group, e. g. acetamido, propionamido, etc., an alkylsulfonamido group, e. g. methylsulfonamido, ethylsulfonamido, etc., or a sulfamyl group, e. g. —SO_2NH_2, —SO_2NHCH_3,

—$SO_2NHC_2H_5$, etc. and Z represents the non-metallic atoms necessary to complete a hydrogenated heterocyclic ring, e. g. a hydrogenated heterocyclic ring containing six atoms in the heterocyclic ring, e. g. a piperidine ring, a morpholine ring, a piperazine ring, etc.

Typical of formula I compounds are: N-ethyl-N-(4-amino-3-methylphenyl) glycineamide; N-(β-acetamidoethyl)-4-amino - N - ethyl-m-toluidine; 4-amino-N-ethyl-N-(β-methylsulfonamidoethyl) aniline; 4-amino-N-ethyl-N-(β-methylsulfonamidoethyl)-m-toluidine; and 4-amino-N-ethyl-N-(N'-methyl-β-methylsulfonamidoethyl)-m-phenetidine.

Typical of formula II compounds are: 3-(β-acetamidoethyl)-4-amino-N,N-diethylaniline; 4-amino - N,N - diethyl-3-(N-methyl-β-methylsulfonamidoethyl) aniline; and 4 - amino-N,N-diethyl-3-(β-methylsulfonamidoethoxy) aniline.

Typical of formula III compounds are: N-(4-aminophenyl) piperidine, i. e. 1-(4-aminophenyl)-piperidine; N-(4-amino-3-methylphenyl) piperidine, i. e. 1-(4-amino-3-methylphenyl) piperidine; and N-(4-aminophenyl) morpholine, i. e. 1-(4-aminophenyl) morpholine.

Typical of a formula IV compound is: 4-amino-N,N-diethyl-3-hydroxymethylaniline.

The dyeing process can be conducted in accordance with the following example:

A solution of 4-amino-N-ethyl-N-(β-sulfonamidoethyl) aniline dihydrochloride (5 g.) in 1000 cc. of water containing 3.7 g. of sodium bicarbonate was prepared. Unbleached rabbit fur was immersed in the solution and air was bubbled through the solution for 5 hours. At the end of this time, the rabbit fur was dyed black. The fur was removed from the solution, washed with soapy water, rinsed thoroughly with water and dried.

As shown in the above example, salts of the above-described amino compounds can be used, e. g. the hydrochlorides, the sulfates, the oxalates, the nitrates, the phosphates, the formates, the hydrobromides, the chlorates, etc. Such salts are used in conjunction with a base, such as sodium or potassium bicarbonate, ammonium carbonate, ammonia, etc., for example, which acts to free these amino compounds from their salt form. Whether or not these amino compounds are used in their salt form, sufficient alkali can be employed in the dyeing solution or bath, to render the solution weakly alkaline. The dyeings can also be effected in weakly acid solutions, e. g. solutions made acid with formic acid. The dyeings can also be effected without adding either acid or alkali to the dyeing solution or bath. While the dyeings can ordinarily be readily effected at 20 to 30° C., higher temperatures, e. g. 30 to 60° C. can be employed.

Just as shown in the above example any of the amino compounds set forth above can be employed to replace 4-amino-N-ethyl-N-(β-sulfonamidoethyl) aniline dihydrochloride, either in the free base form or in the salt form.

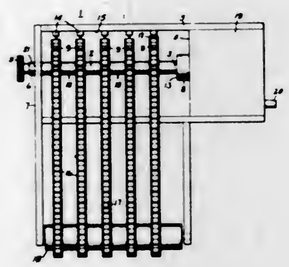
Instead of using the oxygen of the air to effect the oxidation of these amino compounds, oxidizing agents can be added to the dye-bath itself. Thus, instead of bubbling air through the solution as in the above example, hydrogen peroxide, urea peroxide, and other organic and inorganic peroxides and other oxidizing agents can be added to the solution to oxidize the 4-amino-N-ethyl-(β-sulfonamidoethyl)-4-aniline or other amino compound employed.

The pelts, hairs or feathers can be mordanted in known manner prior to dyeing, e. g. with chromium salts, iron salts, copper salts or aluminum salts. Dispersing agents can be used with these amino compound, e. g. Turkey red oil, etc., although dispersing agents are not ordinarily necessary.

Any kind of pelts, hairs and feathers can be dyed according to the disclosed process, e. g. lambskin, Indian lambskin, muskrat fur, rabbit fur, human hair, chicken feathers, ostrich feathers, etc. Human hair attached to the heads of persons can also be dyed with these amino compound dyes.

Ordinarily the concentration of the amino compound in the dye bath is advantageously from 0.1 to 1 percent by weight of the dye bath. The pelts, hairs or feathers need not be actually immersed in the dye bath during the oxidation and dyeing, but the amino compound (or solutiton thereof) must be in contact with the pelts, hairs or feathers during the oxidation and dyeing.

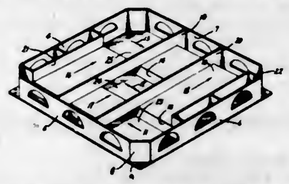
113,780. **ADJUSTABLE CHAIN CONTROL MECHANISM.** William H. Roberts, Cheshire, Mass., assignor to General Electric Company, a corporation of New York. Filed Sept. 2, 1949. Published Nov. 6, 1951. Class 74—568. 1 sheet of drawings. 11 pages of specification.



An adjustable chain control mechanism for an automatic multi-operational capacitor winding machine comprising a drive shaft having a shoulder at one end larger than the normal diameter of the shaft, and a threaded portion at the opposite end thereof, a plurality of sprockets slidably mounted on and rotatable with respect to the shaft, a plurality of cylindrical-shaped collars slidably mounted on and rotatable with respect to the shaft alternately positioned thereon between the sprockets, the shoulder portion of the shaft and the threaded end thereof, a chain driven by each sprocket and carrying an adjustable actuating member engageable with an actuated member to control an operation of the winding machine and a hand wheel threadedly engageable with the threads on the end of the shaft to force or bind the sprockets, collars, and shaft shoulder into abutting engagement so as to rotate together in unison and with the drive shaft and when released to permit individual rotation of the sprockets with respect to each other and to the shaft for quickly adjusting the control mechanism.

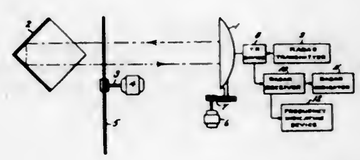
172,165. **UNDERFLOOR DUCT JUNCTION BOX.** John H. Martin, Toronto, Ontario, Canada, assignor to General Electric Company, a corporation of New York. Filed July 5, 1950. Published Nov. 6, 1951. Class 174—50. 1 sheet of drawings. 8 pages of specification.

The application discloses a junction box for underfloor duct wiring systems especially for use where a number of ducts cross each other. The box is provided with a plurality of entrance openings for the ducts and with horizontal and vertical partitions to provide isolated raceways with improved accessibility for making joints.



180,945. **RADAR SYSTEM.** Lambert H. Lynn, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York. Filed Aug. 23, 1950. Published Nov. 6, 1951. Class 343—18. 1 sheet of drawings. 7 pages of specification.

This device relates to a means of coding signals reflected by a particular reflector. Radar antenna 1 with its associated circuit elements 8 to 12 is used to transmit and receive signals from any given number of corner reflectors 2. Associated with each reflector 2 is a coding device consisting of blades 5 rotated by motor 4 and

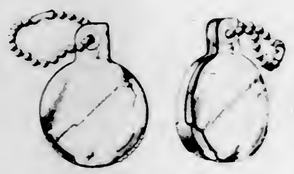


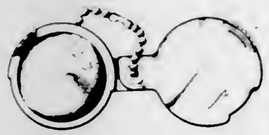
located in front of reflector 2. The rotating blades modulate the reflected signal at a rate determined by the number of blades and the speed of the motor. Each reflector used can be identified by the frequency of modulation of the returned radar signal.

DESIGNS

NOVEMBER 6, 1951

165,043
PENDANT MAGNIFYING LENS
Robert W. Ankney, Walton Hills Village, Ohio
Application May 5, 1951, Serial No. 15,079
Term of patent 3½ years
(Cl. D57—1)





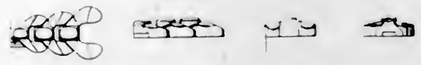
The ornamental design for a pendant magnifying lens, as shown.

165,044
ASH TRAY
Harold G. Arnold, Wooster, Ohio
Application July 8, 1950, Serial No. 11,022
Term of patent 7 years
(Cl. D85—2)



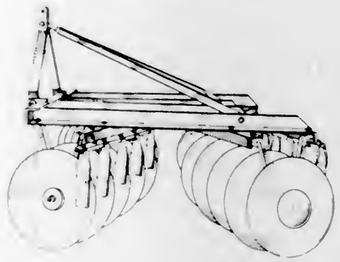
The ornamental design for an ash tray, as shown and described.

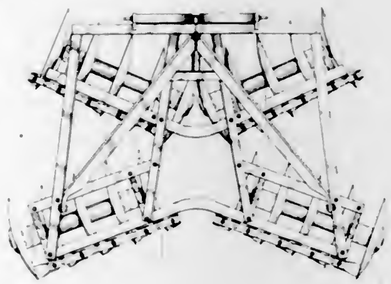
165,045
JEWELRY COMPONENT OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application July 12, 1951, Serial No. 15,847
Term of patent 14 years
(Cl. D45—1)



The ornamental design for a jewelry component or similar article, substantially as shown.

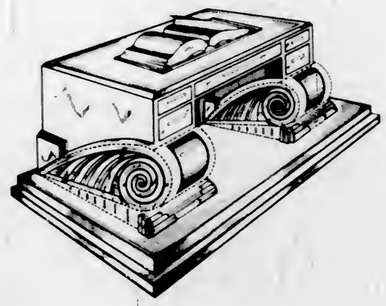
165,046
TANDEM DISK HARROW
Harold G. Bailey, Berkley, Mich., assignor to Dearborn Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 30, 1949, Serial No. 2,359
Term of patent 14 years
(Cl. D39—1)

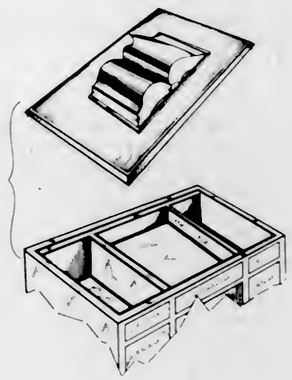


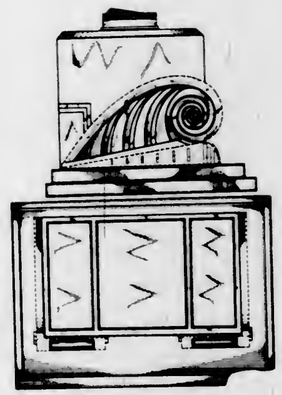


The ornamental design for a tandem disc harrow, as shown and described.

165,047
COMBINED TABLE ORNAMENT AND STATUARY BOX
Jack Barofsky, Los Angeles, Calif.
Application September 14, 1948, Serial No. 148,575
Term of patent 14 years
(Cl. D29—23)

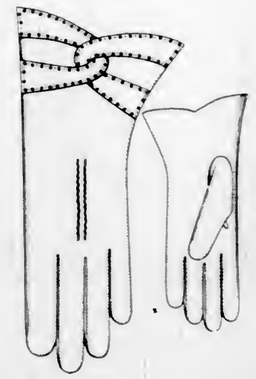






The ornamental design for a combined table ornament and statuary box, as shown and described.

165,048
GLOVE
Elias Breath, New York, N. Y.
Application November 14, 1950, Serial No. 12,992
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, substantially as shown.

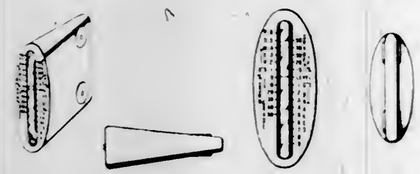
165,049
RADIO CABINET
Robert Davol Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application April 25, 1951, Serial No. 14,966
Term of patent 7 years
(Cl. D56—4)





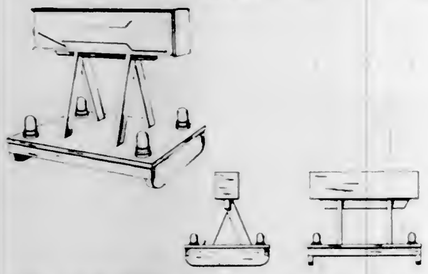
The ornamental design for a radio cabinet, substantially as shown and described.

165,050
COMBINATION ACCELEROMETER AND GRADOMETER OR THE LIKE
Rudi P. Buschmann, Sunland, and Volmer Jensen, Glendale, Calif.
Application September 1, 1950, Serial No. 12,022
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a combination accelerometer and gradometer or the like, as shown.

165,051
PORTABLE ILLUMINABLE DIRECTION SIGN
Samuel G. Costas, Fond du Lac, Wis.
Application May 31, 1951, Serial No. 15,360
Term of patent 14 years
(Cl. D72—1)



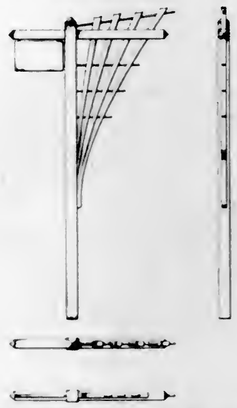
The ornamental design for a portable illuminable direction sign, as shown.

165,052
ARMCHAIR
Roy A. Cramer, Kansas City, Mo.
Application October 18, 1950, Serial No. 12,626
Term of patent 14 years
(Cl. D15—1)



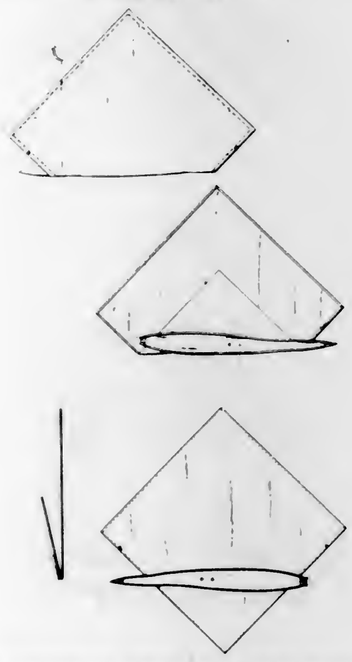
The ornamental design for an armchair, as shown and described.

165,053
COMBINED SIGN AND TRELLIS
Arthur Crawford, Baltimore, Md.
Application May 15, 1951, Serial No. 15,187
Term of patent 14 years
(Cl. D1—12)



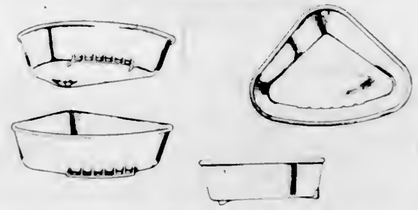
The ornamental design for a combined sign and trellis, as shown.

165,054
HEAD COVERING OR SIMILAR ARTICLE
Arlis L. Crowthers, Los Angeles, Calif.
Application April 8, 1950, Serial No. 9,056
Term of patent 14 years
(Cl. D3—13)



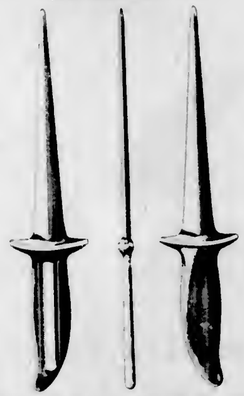
The ornamental design for a head covering or similar article, substantially as shown and described.

165,055
SINK STRAINER
Paul F. Danielson, San Marino, Calif.
Application June 13, 1949, Serial No. 3,244
Term of patent 14 years
(Cl. D44—29)



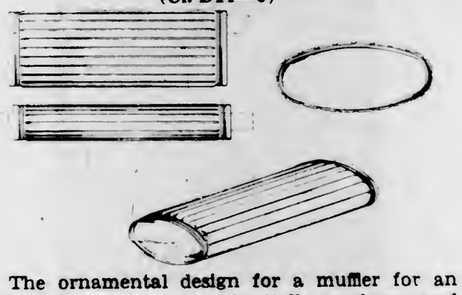
The ornamental design for a sink strainer, as shown.

165,056
PAPER KNIFE
John L. Day, Jr., Portland, Oreg.
Application December 7, 1949, Serial No. 6,470
Term of patent 7 years
(Cl. D74—1)



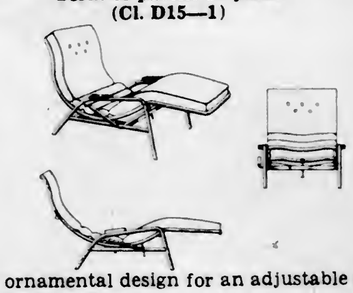
The ornamental design for a paper knife, as shown.

165,057
MUFFLER FOR AN EXHAUST GAS SYSTEM
Floyd E. Deremer, Detroit, Mich., assignor to Oldberg Manufacturing Company, Grand Haven, Mich., a corporation of Michigan
Application August 9, 1950, Serial No. 11,681
Term of patent 14 years
(Cl. D14—6)



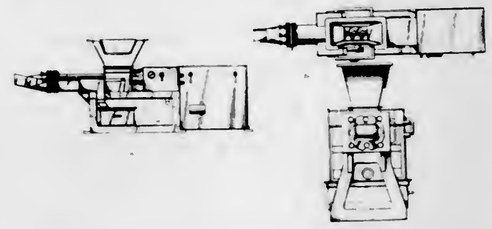
The ornamental design for a muffler for an exhaust gas system, substantially as shown and described.

165,058
ADJUSTABLE METAL COUCH CHAIR
Simon Deutsch, Miami Beach, Fla.
Application May 25, 1950, Serial No. 10,164
Term of patent 14 years
(Cl. D15—1)



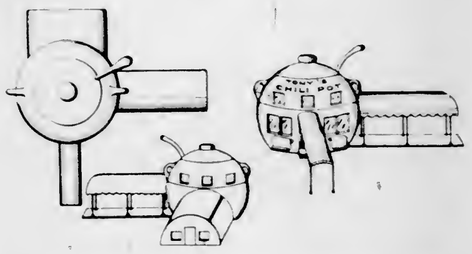
The ornamental design for an adjustable metal couch chair, as shown.

165,059
CONTINUOUS PROCESSING MACHINE FOR BUTTER, MARGARINE, OR SIMILAR ARTICLE
Charles Doering and Henry Doering, Chicago, Ill.
Application July 13, 1949, Serial No. 3,888
Term of patent 14 years
(Cl. D55—1)



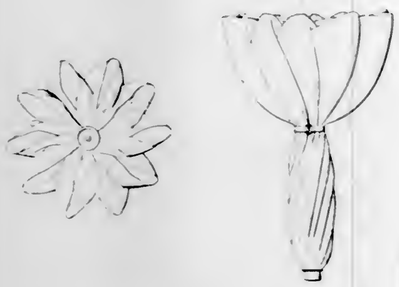
The ornamental design for a continuous processing machine for butter, margarine, or similar article, substantially as shown and described.

165,060
BUILDING
Tony M. Doram, Baltimore, Md.
Application December 4, 1950, Serial No. 13,264
Term of patent 14 years
(Cl. D13—1)



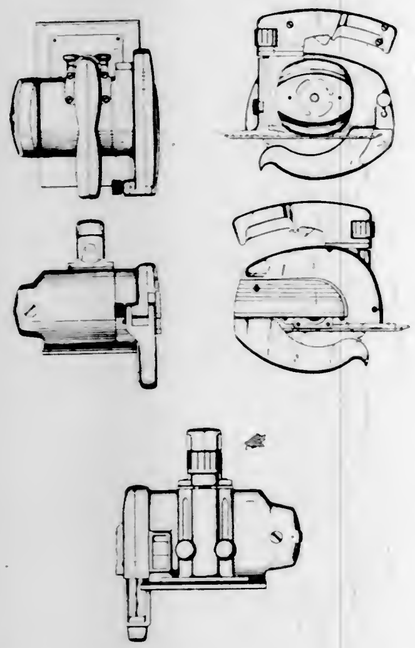
The ornamental design for a building, as shown.

165,061
UMBRELLA
Herman Eichenbaum, Rockville Centre, N. Y.
Application April 11, 1951, Serial No. 14,796
Term of patent 3½ years
(Cl. D88—3)



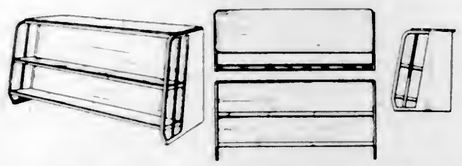
The ornamental design for an umbrella, as shown.

165,062
PORTABLE ELECTRIC HAND SAW
Arthur N. Emmons, Nedrow, N. Y., and Peter Müller-Munk, Pittsburgh, Pa., assignors to Porter-Cable Machine Company, Syracuse, N. Y., a corporation of New York
Application April 23, 1949, Serial No. 2,208
Term of patent 14 years
(Cl. D93—3)



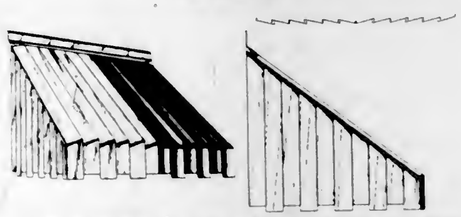
The ornamental design for a portable electric hand saw, as shown.

165,063
DISPLAY FIXTURE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Co., Inc., Des Moines, Iowa, a corporation of Iowa
Application June 23, 1951, Serial No. 15,643
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a display fixture, substantially as shown.

165,064
AWNING OR SIMILAR ARTICLE
Nicholas L. Etten, Cedar Falls, Iowa
Application January 16, 1951, Serial No. 13,832
Term of patent 14 years
(Cl. D21—6)



The ornamental design for an awning or similar article, substantially as shown and described.

165,065
EMBOSSED METAL SHEET OR SIMILAR ARTICLE
Sol Forman, Leonard Ramer, and Arthur Mund, New York, N. Y., assignors to Forman Family, Inc., Brooklyn, N. Y., a corporation of New York
Application June 3, 1950, Serial No. 10,336
Term of patent 3½ years
(Cl. D54—2)



The ornamental design for an embossed metal sheet or similar article, as shown and described.

165,066
ROCKING CHAIR
Harry A. Gelman and Mac Gelman, Chicago, Ill.
Application May 26, 1950, Serial No. 10,224
Term of patent 14 years
(Cl. D15—6)



The ornamental design for a rocking chair, substantially as shown.

165,067
WATCH
Joseph Granat, San Francisco, Calif.
Application December 11, 1950, Serial No. 13,376
Term of patent 14 years
(Cl. D42—8)



The ornamental design for a watch, substantially as shown.

165,068
ACCOUNTING MACHINE
Lurelle V. A. Guild, New York, N. Y., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application December 28, 1950, Serial No. 13,614
Term of patent 14 years
(Cl. D64—11)

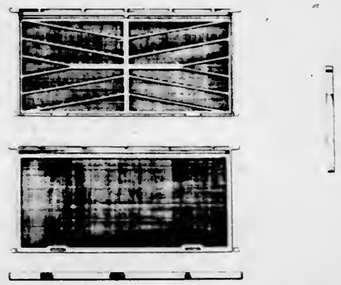


165,068—Continued



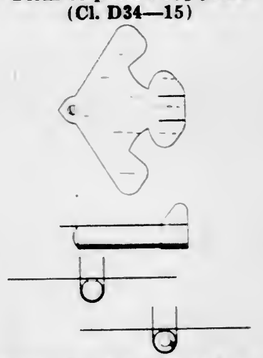
The ornamental design for an accounting machine, substantially as shown and described.

165,069
FOUNDATION VENTILATOR GRILL
Lewis W. Hamlin, Little Rock, Ark.
Application July 2, 1951, Serial No. 15,744
Term of patent 3½ years
(Cl. D62—4)



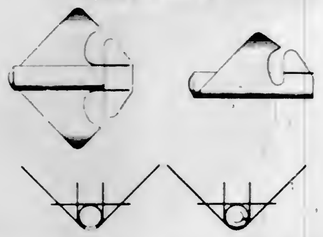
The ornamental design for a foundation ventilator grill as shown.

165,070
TOY AIRPLANE
Robert L. Hayman, Chicago, Ill.
Application April 19, 1951, Serial No. 14,891
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy airplane, as shown.

165,071
TOY AIRPLANE
Robert L. Hayman, Chicago, Ill.
Application April 19, 1951, Serial No. 14,892
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy airplane, as shown.

165,072
SPRAY HEAD FOR AN AEROSOL DISPENSER OR SIMILAR ARTICLE
Theodore Heilig, Long Beach, N. Y.
Application November 23, 1949, Serial No. 6,221
Term of patent 3½ years
(Cl. D58—26)



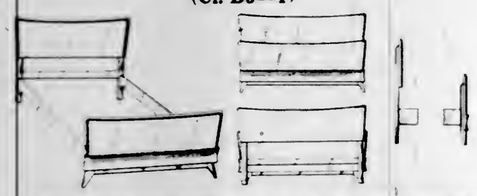
The ornamental design for a spray head for an aerosol dispenser or similar article, substantially as shown.

165,073
SPRAY HEAD FOR AN AEROSOL DISPENSER OR SIMILAR ARTICLE
Theodore Heilig, Long Beach, N. Y.
Application November 23, 1949, Serial No. 6,223
Term of patent 7 years
(Cl. D58—26)



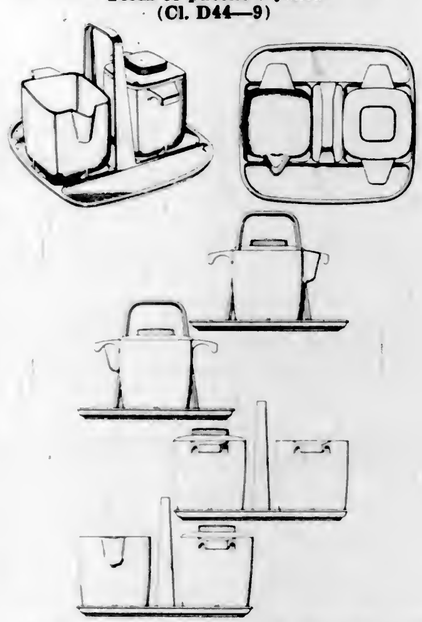
The ornamental design for a spray head for an aerosol dispenser or similar article, substantially as shown.

165,074
BED
Ernest Herrmann, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application October 8, 1949, Serial No. 5,379
Term of patent 7 years
(Cl. D5—4)



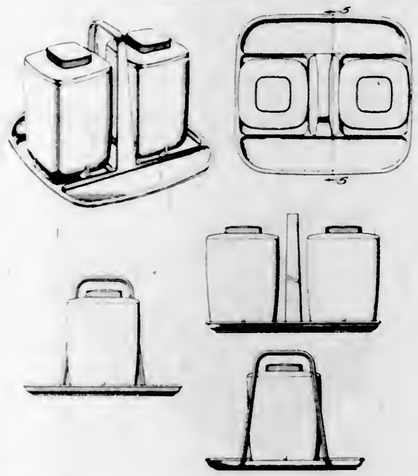
The ornamental design for a bed, substantially as shown.

165,075
COMBINED CREAM AND SUGAR VESSELS AND TRAY THEREFOR
Joseph A. Hill, Glen Ellyn, Ill.
Application May 19, 1951, Serial No. 15,248
Term of patent 7 years
(Cl. D44—9)



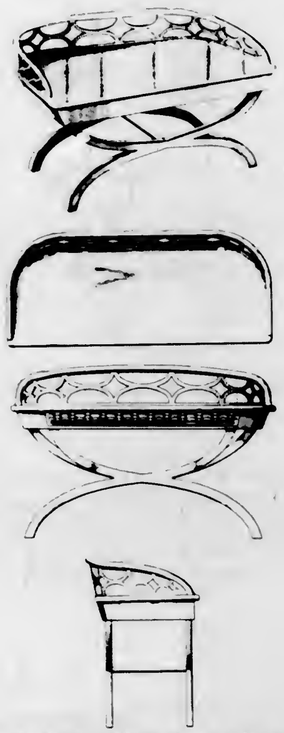
The ornamental design for a combined cream and sugar vessels and tray therefor, as shown.

165,076
COMBINED JARS AND TRAY UNIT
Joseph A. Hill, Glen Ellyn, Ill.
Application May 19, 1951, Serial No. 15,249
Term of patent 7 years
(Cl. D44—9)



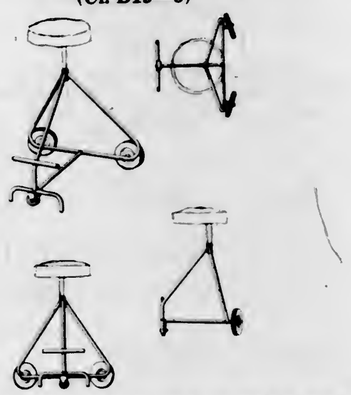
The ornamental design for a combined jars and tray unit, as shown and described.

165,077
PIANO BENCH
Belle A. Kandarian, Fresno, Calif.
Application April 16, 1951, Serial No. 15,038
Term of patent 14 years
(Cl. D15—8)



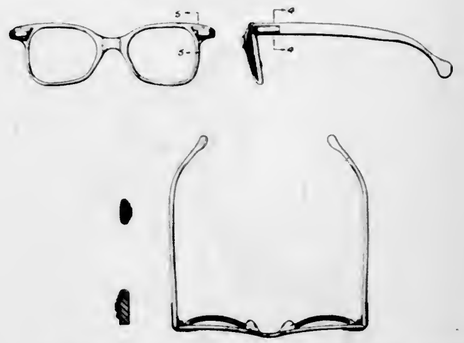
The ornamental design for a piano bench, as shown.

165,078
FRAME FOR BARBER'S SEAT
Ben Klein, Santa Monica, Calif.
Application September 11, 1950, Serial No. 12,137
Term of patent 14 years
(Cl. D15—8)



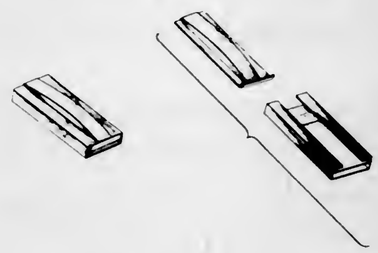
The ornamental design for a frame for barber's seat, as shown and described.

165,079
SPECTACLE FRAME OR THE LIKE
Alexander Kono, Forest Hills, N. Y.
Application November 22, 1950, Serial No. 13,095
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a spectacle frame or the like, substantially as shown and described.

165,080
CLASP
Julius Lenneberg, New York, N. Y.
Application November 3, 1949, Serial No. 5,850
Term of patent 14 years
(Cl. D45—4)



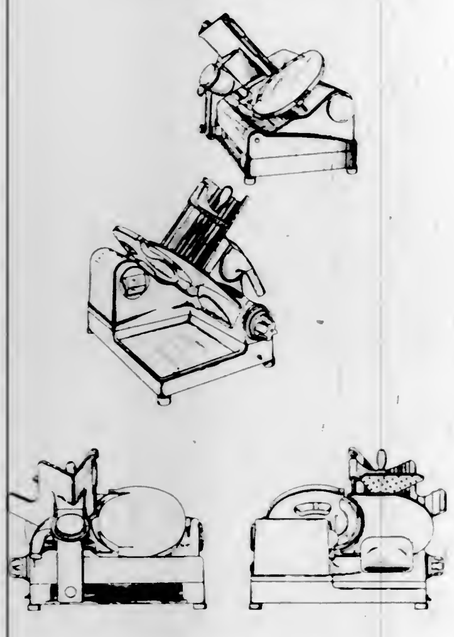
The ornamental design for a clasp, as shown.

165,081
COMBINED CAPE AND SCARF
Tina Leser, New York, N. Y.
Application March 21, 1951, Serial No. 14,570
Term of patent 3½ years
(Cl. D3—3)



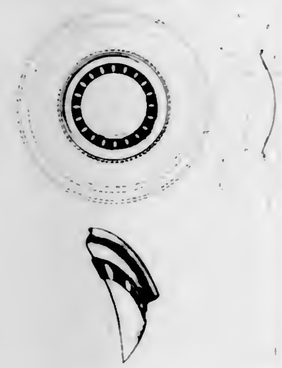
The ornamental design for a combined cape and scarf, substantially as shown.

165,082
SLICING MACHINE
John McLeod Little, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application January 26, 1951, Serial No. 13,985
Term of patent 14 years
(Cl. D55—1)



The ornamental design for a slicing machine, as shown.

165,083
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application December 26, 1950, Serial No. 13,582
Term of patent 14 years
(Cl. D14—30)



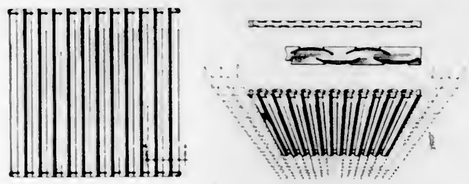
The ornamental design for a wheel cover or similar article, substantially as shown and described.

165,084
AIRPLANE
David W. Main, Denver, Colo.
Application June 13, 1950, Serial No. 10,505
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown.

165,085
LIGHTING FIXTURE LOUVER
Robert G. Marchisio, Wenham, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application February 27, 1951, Serial No. 14,326
Term of patent 14 years
(Cl. D48—23)



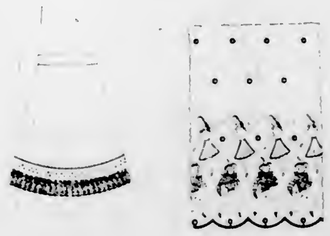
The ornamental design for a lighting fixture louver, as shown and described.

165,086
SLIP
Philip M. Marcus, New York, N. Y.
Application January 5, 1951, Serial No. 13,683
Term of patent 7 years
(Cl. D3—26)



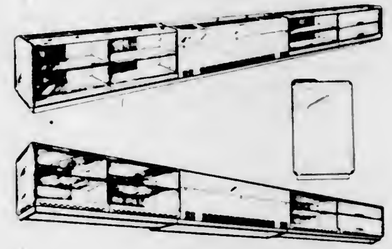
The ornamental design for a slip, as shown and described.

165,087
SLIP
Philip M. Marcus, New York, N. Y.
Application January 5, 1951, Serial No. 13,684
Term of patent 7 years
(Cl. D3—26)



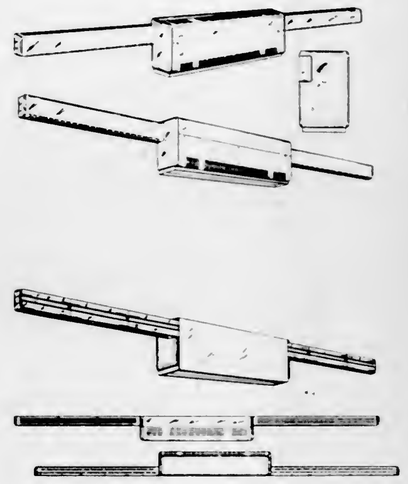
The ornamental design for a slip, as shown.

165,088
AIR CIRCULATOR AND FURNITURE UNIT
John W. McElgin, Philadelphia, Pa., assignor to John J. Nesbitt, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 27, 1951, Serial No. 16,047
Term of patent 14 years
(Cl. D62—4)



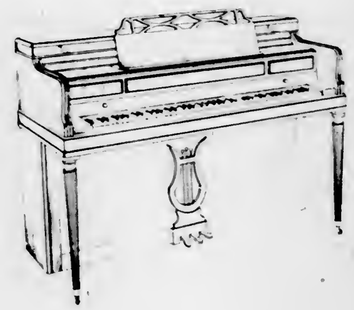
The ornamental design for an air circulator and furniture unit, substantially as shown.

165,089
AIR CIRCULATING UNIT
John W. McElgin, Philadelphia, Pa., assignor to John J. Nesbitt, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 27, 1951, Serial No. 16,048
Term of patent 14 years
(Cl. D62—4)



The ornamental design for an air circulating unit, substantially as shown.

165,090
PIANO CASE
William Millington, Grand Rapids, Mich., and Wilbur M. Day, Kenwood, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application June 15, 1951, Serial No. 15,546
Term of patent 14 years
(Cl. D56—9)



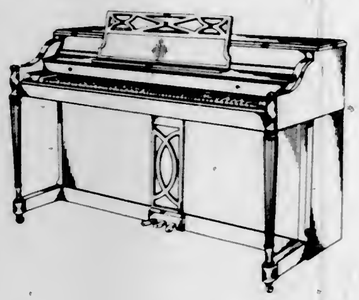
The ornamental design for a piano case, as shown.

165,091
PIANO CASE
William Millington, Grand Rapids, Mich., and Wilbur M. Day, Kenwood, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application June 15, 1951, Serial No. 15,547
Term of patent 14 years
(Cl. D56—9)



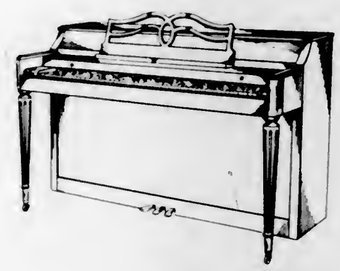
The ornamental design for a piano case, as shown.

165,092
PIANO CASE
William Millington, Grand Rapids, Mich., and Wilbur M. Day, Kenwood, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application June 15, 1951, Serial No. 15,548
Term of patent 14 years
(Cl. D56—9)



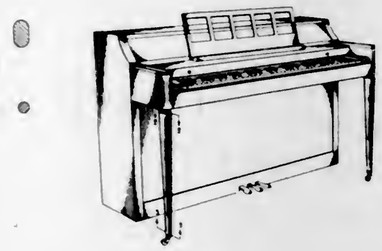
The ornamental design for a piano case, as shown and described.

165,093
PIANO CASE
William Millington, Grand Rapids, Mich., and Wilbur M. Day, Kenwood, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application June 15, 1951, Serial No. 15,549
Term of patent 14 years
(Cl. D56—9)



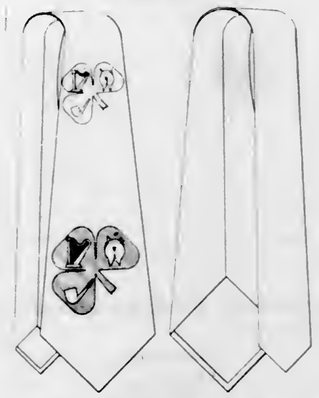
The ornamental design for a piano case, as shown and described.

165,094
PIANO CASE
William Millington, Grand Rapids, Mich., and Wilbur M. Day, Kenwood, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application June 15, 1951, Serial No. 15,550
Term of patent 14 years
(Cl. D56—9)



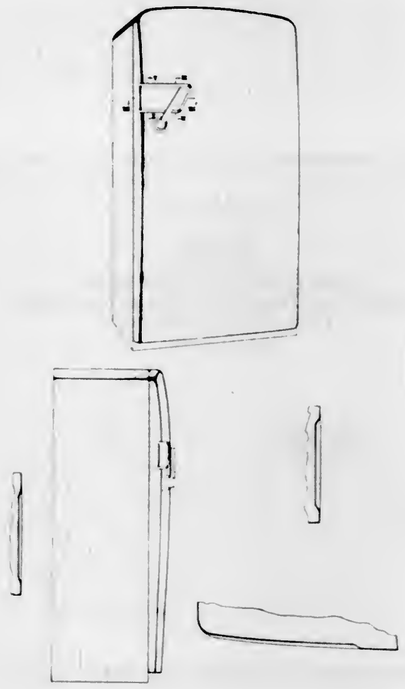
The ornamental design for a piano case, substantially as shown and described.

165,095
FOUR-IN-HAND NECKTIE
William L. Mitchell, Omaha, Nebr.
Application July 14, 1951, Serial No. 15,873
Term of patent 14 years
(Cl. D3—16)

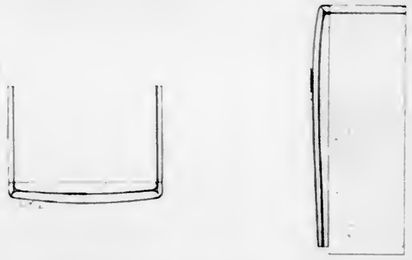


The ornamental design for a four-in-hand necktie, as shown and described.

165,096
REFRIGERATOR
Peter Muller-Munk, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 1, 1951, Serial No. 14,064
Term of patent 14 years
(Cl. D67—3)

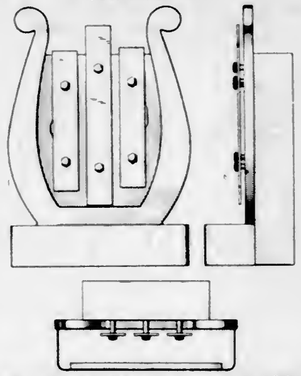


165,096—Continued



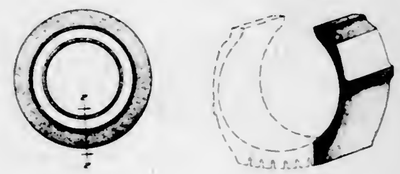
The ornamental design for a refrigerator, substantially as shown and described.

165,097
COMBINED PLANT RECEPTACLE AND CHIME
Clair O. Musser, Evanston, Ill.
Application July 17, 1950, Serial No. 11,233
Term of patent 14 years
(Cl. D72—1)



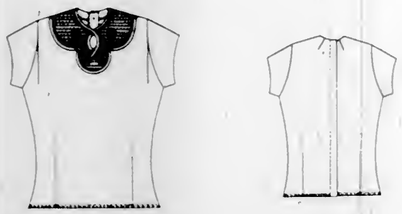
The ornamental design for a combined plant receptacle and chime, substantially as shown.

165,098
PNEUMATIC TIRE
Marcia G. Muszynski, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1950, Serial No. 7,265
Term of patent 14 years
(Cl. D90—20)



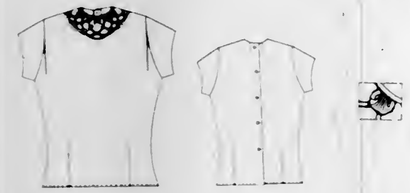
The ornamental design for a pneumatic tire, as shown and described.

165,099
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,401
Term of patent 3½ years
(Cl. D3—25)



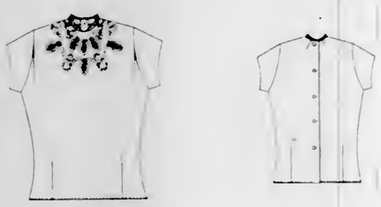
The ornamental design for a blouse, substantially as shown.

165,100
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,402
Term of patent 3½ years
(Cl. D3—25)



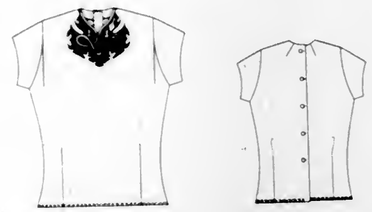
The ornamental design for a blouse, substantially as shown.

165,101
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,403
Term of patent 3½ years
(Cl. D3—25)



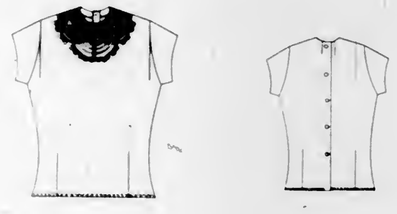
The ornamental design for a blouse, substantially as shown.

165,102
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,404
Term of patent 3½ years
(Cl. D3—25)



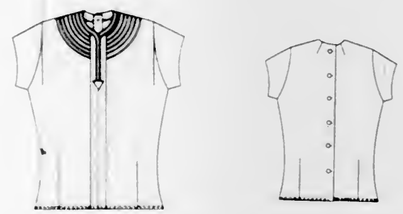
The ornamental design for a blouse, substantially as shown.

165,103
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,405
Term of patent 3½ years
(Cl. D3—25)



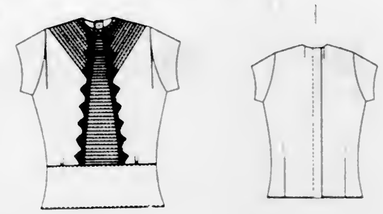
The ornamental design for a blouse, substantially as shown.

165,104
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,406
Term of patent 3½ years
(Cl. D3—25)



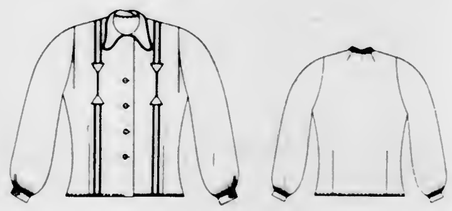
The ornamental design for a blouse, substantially as shown.

165,105
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,407
Term of patent 3½ years
(Cl. D3—25)



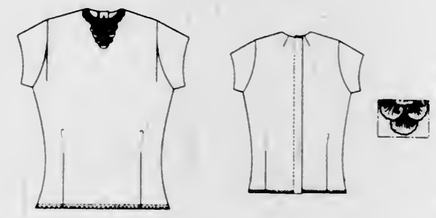
The ornamental design for a blouse, substantially as shown.

165,106
BLOUSE
Jack Orloff, New York, N. Y.
Application June 4, 1951, Serial No. 15,408
Term of patent 3½ years
(Cl. D3—25)



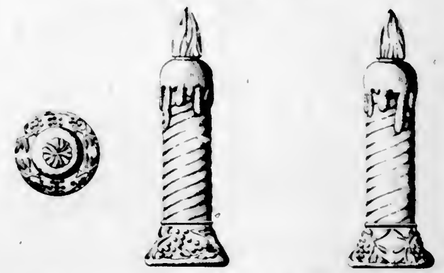
The ornamental design for a blouse, substantially as shown.

165,107
BLOUSE
Jack Orloff, New York, N. Y.
Application June 27, 1951, Serial No. 15,676
Term of patent 3½ years
(Cl. D3—25)



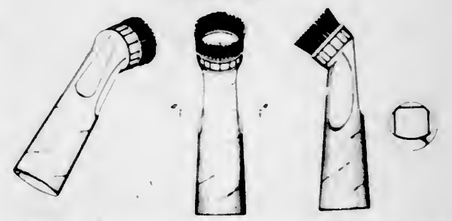
The ornamental design for a blouse, substantially as shown and described.

165,108
BOTTLE
Arnold Perlman, Greenwich, Conn., assignor to Helene Pessl, Inc., New York, N. Y., a corporation of New York
Application June 18, 1951, Serial No. 15,580
Term of patent 7 years
(Cl. D58—9)



The ornamental design for a bottle, substantially as shown.

165,109
DISPENSING BRUSH FOR BOTTLES
Stanley Petrosky, National City, Calif.
Application April 5, 1951, Serial No. 14,716
Term of patent 7 years
(Cl. D9—2)



The ornamental design for a dispensing brush for bottles, substantially as shown.

165,110
BOTTLE
Edward Rachins, Brookline, Mass.
Application July 13, 1951, Serial No. 15,854
Term of patent 14 years
(Cl. D58—9)

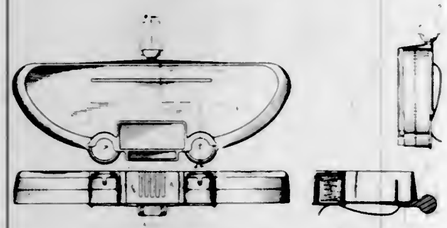


165,110—Continued



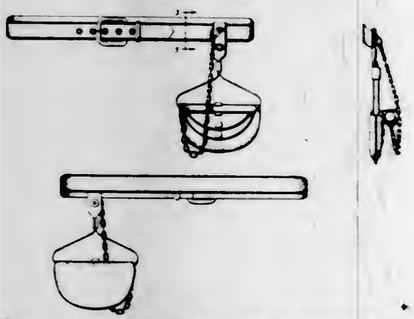
The ornamental design for a bottle, as shown and described.

165,111
UTILITY TRAY
Howard C. Riemann, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application March 1, 1951, Serial No. 14,343
Term of patent 7 years
(Cl. D14—6)



The ornamental design for a utility tray, as shown and described.

165,112
COMBINED BELT, PURSE, AND PEN
Aaron Rothchild, Flushing, and Herman B. Orloff, Yonkers, N. Y.
Application September 2, 1949, Serial No. 4,824
Term of patent 3½ years
(Cl. D3—10)



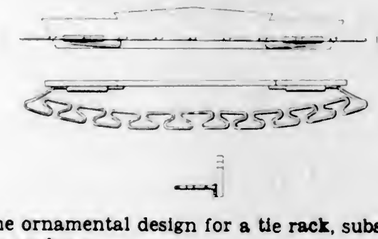
The ornamental design for a combined belt, purse, and pen, substantially as shown.

165,113
DRESS
Billi Rubin, New York, N. Y.
Application May 3, 1951, Serial No. 15,050
Term of patent 14 years
(Cl. D3—26)



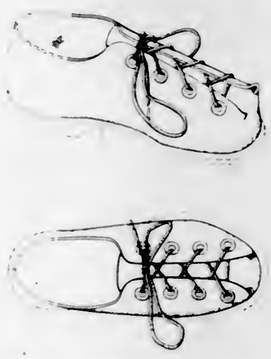
The ornamental design for a dress, as shown and described.

165,114
TIE RACK
John Saxon, Toledo, Ohio
Application May 12, 1949, Serial No. 2,600
Term of patent 7 years
(Cl. D33—8)



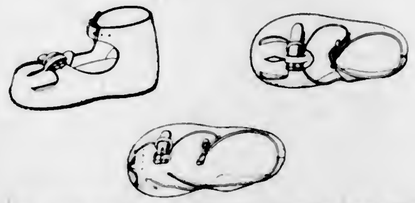
The ornamental design for a tie rack, substantially as shown.

165,115
SHOE
Jervis Henry Sloan, St. Louis, and Marian H. Gilkerson, Chesterfield, Mo.
Application June 14, 1950, Serial No. 10,522
Term of patent 14 years
(Cl. D7—7)



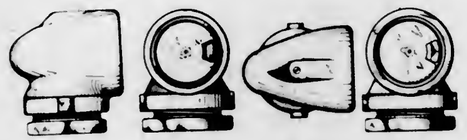
The ornamental design for a shoe, as shown and described.

165,116
SHOE
Jervis H. Sloan, St. Louis, and Marian H. Gilkerson, Chesterfield, Mo.
Application June 20, 1951, Serial No. 15,608
Term of patent 14 years
(Cl. D7—7)



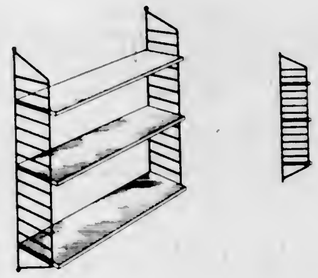
The ornamental design for a shoe, as shown and described.

165,117
FLUID PRESSURE GAUGE OR SIMILAR ARTICLE
Theodore A. St. Clair, South Euclid, Ohio
Application November 4, 1950, Serial No. 12,842
Term of patent 14 years
(Cl. D52—1)



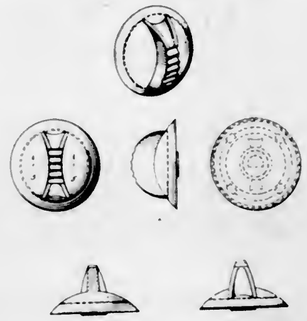
The ornamental design for a fluid pressure gauge or similar article as shown, and described.

165,118
WALL SHELF
Karin Gunnel Birgitta Strinning and Nils Erik Strinning, Alvsjo, Sweden
Application July 11, 1950, Serial No. 11,080
In Sweden January 19, 1950
Term of patent 14 years
(Cl. D33—3)



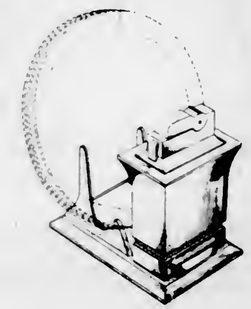
The ornamental design for a wall shelf, substantially as shown.

165,119
HANDLE
Jack B. Stuman, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application January 2, 1951, Serial No. 13,642
Term of patent 14 years
(Cl. D10—8)



The ornamental design for a handle, substantially as shown and described.

165,120
COMBINED TABLE LIGHTER AND ASH RECEIVER RACK
Herman G. Treiss, Jr., Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 23, 1950, Serial No. 12,658
Term of patent 14 years
(Cl. D48—27)



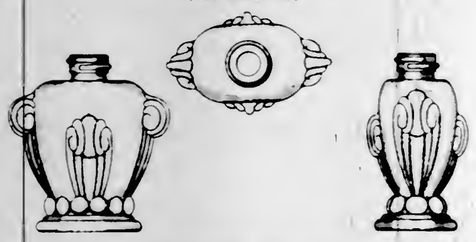
The ornamental design for a combined table lighter and ash receiver rack, substantially as shown and described.

165,121
DRESS
Mamie Verrand, New York, N. Y.
Application March 21, 1951, Serial No. 14,557
Term of patent 3½ years
(Cl. D3—26)



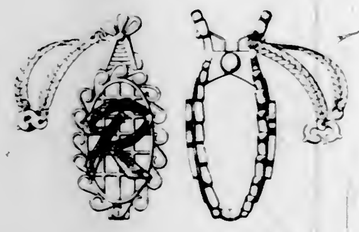
The ornamental design for a dress, substantially as shown.

165,122
BOTTLE
Fred A. Vuillemenot, Raynham, and Fred R. High, Attleboro, Mass.
Application January 9, 1951, Serial No. 13,714
Term of patent 14 years
(Cl. D58—6)



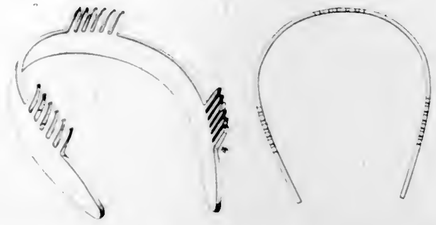
The ornamental design for a bottle, as shown.

165,123
GLOVE HOLDING ATTACHMENT FOR HANDBAGS OR THE LIKE
Paul Weinberg, Los Angeles, Calif.
Application October 23, 1950, Serial No. 12,662
Term of patent 14 years
(Cl. D87—2)



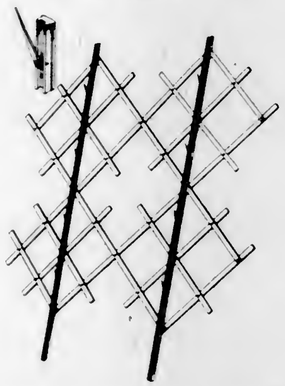
The ornamental design for a glove holding attachment for handbags or the like, as shown.

165,124
HAIR HOLDER
Ernest H. Westmore, North Hollywood, Calif.
Application September 19, 1949, Serial No. 5,070
Term of patent 3½ years
(Cl. D86—10)



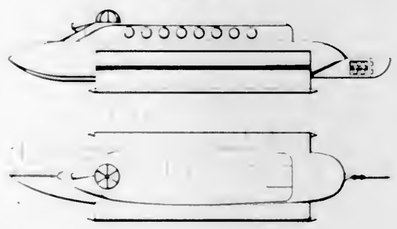
The ornamental design for a hair holder, as shown.

165,125
FLORAL RACK
Clarence J. White, Peoria, Ill.
Application November 7, 1950, Serial No. 12,867
Term of patent 14 years
(Cl. D35—3)

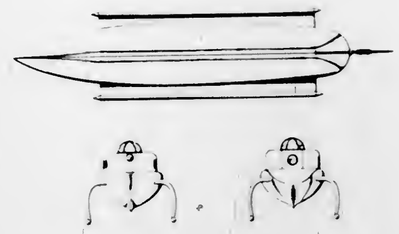


The ornamental design for a floral rack, as shown and described.

165,126
CABIN CRUISER
Walter Wiggins, Jr., Beaver Heights, Md.
Application June 20, 1951, Serial No. 15,607
Term of patent 14 years
(Cl. D71—1)

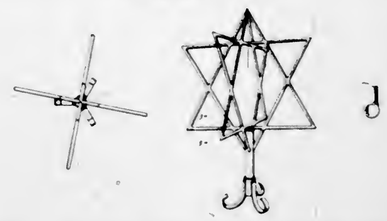


165,126—Continued



The ornamental design for a cabin cruiser, as shown.

165,127
STAND FOR HANUKKAH LIGHTS
Samuel R. Zoss, Youngstown, Ohio
Application February 13, 1950, Serial No. 7,910
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a stand for Hanukkah lights, as shown.

November 13, 1951 Volume 652 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Acme Boot Mfg. Co., Inc., Clarksville, Tenn. Men's, women's and children's boots. Serial No. 607,653, Nov. 13. Class 39.

Admar Laboratories International, Inc., Chicago, Ill. Retractors for withdrawing loose skin from the face, etc. Serial No. 608,295, Nov. 13. Class 44.

Allied Dealers Supply Co.: *See*—
Feagan, Walter S.

American Adhesive Manufacturing Co., Inc., Brooklyn, N. Y. Bookbinding adhesive paste or glue. Serial No. 580,173, Nov. 13. Class 5.

American Cyanamid Company, New York, N. Y. Evacuants. Serial No. 594,427, Nov. 13. Class 18.

American Roller Die Corporation, Cleveland, Ohio. Roll-forming machines. Serial No. 600,804, Nov. 13. Class 23.

American Seating Company, Grand Rapids, Mich. Classroom desks and tables. Serial No. 609,711, Nov. 13. Class 32.

American Zyloptic Co., Inc., New York, N. Y. Lenses. Serial No. 578,126, Nov. 13. Class 26.

Amerpro Machine Products, Inc., Brooklyn and New York, N. Y. Custom molding of plastics. Serial No. 549,207, Nov. 13. Class 106.

Angelo Petri Vineyards: *See*—
Petri Wine Company.

Ansul Chemical Company, Marinette, Wis. Fire extinguishing compositions. Serial No. 596,770, Nov. 13. Class 6.

Armstrong Cork Company, Lancaster, Pa. Mats, blocks, balls, etc., of natural cork. Serial No. 585,627, Nov. 13. Class 1.

Atkinson, J. & E., Limited, London, England. Eau de cologne. Serial No. 592,597, Nov. 13. Class 51.

Automotive Advertisers Council, New Castle, Ind. Trade journals and circulars. Serial No. 608,487, Nov. 13. Class 38.

Avon Products, Inc., New York, N. Y. Cream lotion, bath oil, body powders, etc. Serial No. 609,775, Nov. 13. Class 51.

B. M. C. Manufacturing Corp., Binghamton, N. Y. Wheels used for juvenile vehicles. Serial No. 613,698, Nov. 13. Class 22.

Bahamian Mustard Co., Inc., New York, N. Y. Mustard. Serial No. 606,931, Nov. 13. Class 46.

Bailey Company, Incorporated, The, Amesbury, Mass. Rolled metal shapes and rolled metal mouldings for construction purposes. Serial Nos. 569,240–1, Nov. 13. Class 12.

Baker Castor Oil Company, The, Jersey City, N. J. Compositions comprising soluble soaps. Serial No. 586,564, Nov. 13. Class 52.

Ball Company, The, Chicago, Ill. Watches, watch movements, and parts of watches. Serial No. 610,608, Nov. 13. Class 27.

Baltic Mills: *See*—
Stout, C. B.

Bay State Abrasive Products Company, Westboro, Mass. Grinding, abrading, polishing, cutting-off, and knife sharpening wheels. Serial No. 593,906, Nov. 13. Class 4.

Belcher, George E., Company, Stoughton, Mass. Shoe trees. Serial No. 607,924, Nov. 13. Class 50.

Bell, Arthur, & Sons Ltd., Perth, Scotland. Scotch whiskey. Serial No. 578,675, Nov. 13. Class 49.

Belle, Emil A., doing business as Belle Home Food Co., Syracuse, N. Y. Spaghetti sauce. Serial No. 603,831, Nov. 13. Class 46.

Belle Home Food Co.: *See*—
Belle, Emil A.

Bendix Aviation Corporation, Detroit, Mich. Aircraft cockpit radio control panels. Serial No. 574,814, Nov. 13. Class 21.

Benedikter, Marjorie, Sports-Wear, Inc., Minneapolis, Minn. Ladies', men's, and children's ski suits, ski pants, ski blouses, etc. Serial No. 597,732, Nov. 13. Class 39.

Blaine-Rober Co., Ivanhoe, Calif. Fresh grapes. Serial No. 600,161, Nov. 13. Class 46.

Bodie-Hoover Petroleum Corporation, Chicago, Ill. Lubricating oil. Serial No. 601,299, Nov. 13. Class 15.

Bonded Foam Latex-Company, Inc., Cleveland, Ohio. Portable foam rubber combination back and seat rest. Serial No. 592,695, Nov. 13. Class 32.

Bosch Brewing Company, Houghton, Mich. Beer. Serial No. 567,181, Nov. 13. Class 48.

Braski, Thomas E., Pontiac, Mich. Game. Serial No. 598,058, Nov. 13. Class 22.

Brewer-Titchener Corporation, The, Cortland, N. Y. Tables. Serial No. 563,721, Nov. 13. Class 32.

Broitman-Gaffin Shoes, Inc., New York, N. Y. Women's and children's shoes. Serial No. 607,574, Nov. 13. Class 39.

Brotman Engineering Company: *See*—
Brotman, Hyman D.

Brotman, Hyman D., doing business as Brotman Engineering Company, Base Line, Mich. Laundry washing machines. Serial No. 592,697, Nov. 13. Class 24.

Buchman, L., Co., Incorporated, The, New York and Brooklyn, N. Y. Pillows. Serial No. 595,491, Nov. 13. Class 32.

Buffalo Frosted Foods, Inc., Fredonia, N. Y. Tomato juice and canned tomatoes. Serial No. 614,614, Nov. 13. Class 46.

Burt, Charles C., doing business as Burt Equipment Company, East Orange, N. J. Steel facing or armor for concrete curbing. Serial No. 594,434, Nov. 13. Class 12.

Burt Equipment Company: *See*—
Burt, Charles C.

C-F Enterprises, San Francisco, Calif. Feminine hygiene calendar. Serial No. 594,196, Nov. 13. Class 38.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. Serial No. 611,598, Nov. 13. Class 6.

Cannon Shoe Company, Baltimore, Md. Ladies' and misses' shoes. Serial No. 609,629, Nov. 13. Class 39.

Castle Distributing Corporation, New York, N. Y. Porcelain figurines. Serial Nos. 608,981–2, Nov. 13. Class 50.

Catalina Island Soap Co.: *See*—
Catalina Island Soap Corporation.

Catalina Island Soap Corporation, assignee of R. S. Willard, doing business as Catalina Island Soap Co., Los Angeles, Calif. Bar soap. Serial No. 564,236, Nov. 13. Class 52.

Central Building Products Company, Milwaukee, Wis. Building siding. Serial No. 595,654, Nov. 13. Class 12.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Chemicals and chemical preparations. Serial No. 592,546, Nov. 13. Class 6.

Chemical Sundries Co., Chicago, Ill. Liquid bubble blowing compositions, plastic bubble blowing compositions, bubble blowing devices, etc. Serial No. 616,762, Nov. 13. Class 22.

Christian Mills, The: *See*—
Van Dusen Harrington Co.

Claster, Bertram H., Baltimore, Md. Advertising the goods and services of sponsors. Serial No. 609,229, Nov. 13. Class 101.

Clown Toy Manufacturing Company: *See*—
Lo Cascio, Louis.

Cointreau Corporation, Pennington, N. J. Apricot liqueur, blackberry liqueur, peppermint liqueur, etc. Serial No. 552,039, Nov. 13. Class 49.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. Serial Nos. 610,891–2, Nov. 13. Class 52.

Columbia River Packers Association, Inc., Astoria, Oreg. Canned fish. Serial No. 611,829, Nov. 13. Class 46.

Combined Industries: *See*—
Gould, Sidney S.

Comfort Equipment Company, Kansas City, Mo. Umbrellas. Serial No. 610,413, Nov. 13. Class 41.

Comics Novelty Candy Corp., New York, N. Y. Packages containing candy and a toy. Serial No. 608,104, Nov. 13. Class 46.

Commercial Solvents Corporation, New York, N. Y. Ophthalmic solution. Serial No. 609,909, Nov. 13. Class 18.

Commercial Solvents Corporation, New York, N. Y. Blood plasma substitute. Serial No. 609,910, Nov. 13. Class 18.

Commercial Solvents Corporation, New York, N. Y. Blood plasma substitute. Serial No. 609,912, Nov. 13. Class 18.

Consolidated Cosmetics, Chicago, Ill. Toilet soap. Serial No. 610,165, Nov. 13. Class 52.

Converse Rubber Corporation, Malden, Mass. Rubber-soled canvas shoes. Serial No. 608,922, Nov. 13. Class 39.

Cordray, Mrs. Caroline, Cleveland, Ohio. Kits or packages containing cooking tubes or molds, etc. Serial No. 591,358, Nov. 13. Class 50.

Crescent Insulated Wire & Cable Co., Trenton, N. J. Electrical cables and insulation. Serial No. 614,688, Nov. 13. Class 21.

Crown Willamette Paper Company: *See*—
Crown Zellerbach Corporation.

Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. Serial No. 527,187, Nov. 13. Class 37.

Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue. Serial Nos. 610,511–12, Nov. 13. Class 37.

Current Reports: *See*—
Fisher, Katherine E.

Curtis, Helene, Industries, Inc., Chicago, Ill. Cold hair waving solutions. Serial No. 585,486, Nov. 13. Class 51.

Curtman Co., Inc., The, Providence, R. I. Jewelry. Serial No. 601,098, Nov. 13. Class 28.

Dallas Pharmacal Co., Dallas, Tex. Preparation for external application. Serial No. 609,966, Nov. 13. Class 18.

Danbury Rubber Company, Inc., The, Danbury, Conn. Pre-shaped rubber covers. Serial No. 605,999, Nov. 13. Class 50.

Davies, William Co., Inc., Chicago, Ill. Cooked hams and pork shoulder picnics. Serial No. 547,623, Nov. 13. Class 46.

Daytimer Shoe Company, Worcester, Mass. Women's and misses' shoes. Serial No. 608,450, Nov. 13. Class 39.

Decca Record Company Limited, The, London, England. Mechanically grooved gramophone records. Serial No. 558,871, Nov. 13. Class 36.

Decca Records, Inc., New York, N. Y. Mechanically grooved phonograph records. Serial No. 536,740, Nov. 13. Class 36.

Diamond Match Company, The, New York, N. Y. Matches. Serial No. 589,646, Nov. 13. Class 9.

Dixon, Delia and Claire, Missoula, Mont. Ornamental candles. Serial No. 607,318, Nov. 13. Class 15.

Douglas Chemical and Supply Company, Kansas City, Mo. Economic poisons. Serial Nos. 595,125–6, Nov. 13. Class 6.

Dover Lane Clothes, Inc., New York, N. Y. Men's suits, coats, vests, etc. Serial No. 569,511, Nov. 13. Class 39.

Druid Hill Park Seed Corporation, Baltimore, Md. Grass seeds. Serial No. 609,848, Nov. 13. Class 1.

De Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic polyester fibers. Serial No. 612,449, Nov. 13. Class 1.

Eastern Clay Products, Inc., Jackson, Ohio. Adhesive cement. Serial No. 572,955, Nov. 13. Class 5.

Economy Tablet & Paper Co., Chicago, Ill. Partially printed paper bands. Serial No. 589,406, Nov. 13. Class 37.

Efurd Machine & Welding Company, Inc., Bossier City, La. Post and pole creosoting or wood preserving machines and post peeling machines. Serial No. 554,962, Nov. 13. Class 23.

Electric Cord Company, New York, N. Y. Battery operated flood-lights and spotlights. Serial No. 604,147, Nov. 13. Class 21.

Ellis and Ellis, Brooklyn, N. Y. Humidor made of glass. Serial No. 524,787, Nov. 13. Class 33.

Empire Ironer, Inc., Cincinnati, Ohio. Electric roll-type ironers. Serial No. 609,287, Nov. 13. Class 24.

Ercona Camera Corporation, New York, N. Y. Cameras. Serial No. 593,402, Nov. 13. Class 26.

Essential Products Co., Inc., New York, N. Y. Maltless soft drinks and flavoring extracts. Serial No. 609,403, Nov. 13. Class 45.

Evans & Co., Newark, N. J. Marking ruler. Serial No. 594,204, Nov. 13. Class 26.

Evans Industries, Inc., Marion, Ind. Canned dog food. Serial No. 609,715, Nov. 13. Class 46.

Even-Pul Foundations, Inc., New York, N. Y. Brassières, girdles, corselets, and foundation garments. Serial No. 595,457, Nov. 13. Class 39.

Everston, Joseph H., Milwaukee, Wis. Shoes. Serial No. 561,190, Nov. 13. Class 39.

Factors To You Furniture Corporation, Philadelphia, Pa. China closets, buffets, serving tables. Serial No. 572,169, Nov. 13. Class 32.

Farfisa Societa Per Azione, Ancona, Italy. Accordions. Serial No. 617,238, Nov. 13. Class 36.

Farrington Manufacturing Company, Boston and Jamaica Plain, Boston, Mass. Mounted and unmounted blank printing plates. Serial No. 607,984, Nov. 13. Class 50.

Fashioncraft Products, Brooklyn, N. Y. Nursing bottle holders. Serial No. 608,790, Nov. 13. Class 44.

Fay, Romelle, doing business as Genius Foods Company, Pasadena, Calif. Flavoring. Serial No. 603,151, Nov. 13. Class 46.

Feagan, Walter S., doing business as Allied Dealers Supply Co., Los Angeles, Calif. Wheeled stand. Serial No. 520,274, Nov. 13. Class 13.

Fels & Company, Philadelphia, Pa. Soap and synthetic organic detergent. Serial No. 591,921, Nov. 13. Class 52.

Fels & Company, Philadelphia, Pa. Soaps and organic detergents. Serial No. 563,405, Nov. 13. Class 52.

Firelure Corporation, The, San Francisco, Calif. Fishing rods, fishing reels, fishing plugs, etc. Serial No. 589,205, Nov. 13. Class 22.

Firestone Tire & Rubber Company, The, Akron, Ohio. Plastic films and sheets. Serial No. 603,479, Nov. 13. Class 1.

Fisher, Katherine E., doing business as Current Reports, New York, N. Y. Periodical. Serial No. 611,084, Nov. 13. Class 38.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigars. Serial No. 610,548, Nov. 13. Class 17.

Flour Mills of America, Inc., doing business under the name and style of Goodlander Mills Company, Kansas City, Mo., and Fort Scott, Kans. Stock and poultry feeds. Serial No. 553,607, Nov. 13. Class 46.

Forrest, Inc., Oyster Bay, N. Y. Children's aspirin. Serial No. 588,638, Nov. 13. Class 18.

Fox River Paper Corporation, Appleton, Wis. Bond and ledger paper. Serial No. 565,766, Nov. 13. Class 37.

Framar Mfg. Co., The, New York and Brooklyn, N. Y. Ball point ink pencils. Serial No. 591,923, Nov. 13. Class 37.

French Sardine Company of California, The, Terminal Island, Calif. Canned fish. Serial No. 597,520, Nov. 13. Class 46.

Frosst, Charles E., & Co., Montreal, Quebec, Canada. Pharmaceutical preparation. Serial No. 591,417, Nov. 13. Class 18.

Fulton, Robert W., Minneapolis, Minn. Lubricating oil. Serial No. 601,668, Nov. 13. Class 15.

Gair, Robert, Company, Inc., New York, N. Y. Wallboard. Serial No. 582,223, Nov. 13. Class 12.

Garod Radio Corporation, Brookylyn, N. Y. Combined radio receivers and alarm clocks. Serial No. 546,093, Nov. 13. Class 21.

Gem Slide Fastener Co., New York, N. Y. Slide fasteners. Serial No. 612,904, Nov. 13. Class 13.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Chemicals and preparations thereof. Serial Nos. 589,716–17, Nov. 13. Class 6.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Chemicals and preparations thereof. Serial No. 589,719, Nov. 13. Class 6.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Wheat flour. Serial No. 594,216, Nov. 13. Class 46.

Genius Foods Company: *See*—
Fay, Romelle.

Glo-an Products, Inc., West Caldwell, N. J. Liquid hair straightener and a liquid hair rinse lotion. Serial No. 611,606, Nov. 13. Class 51.

Globe Slicing Machine Co., Inc., Stamford, Conn. Food preparing machines. Serial No. 609,592, Nov. 13. Class 23.

Globe Slicing Machine Co., Inc., Stamford, Conn. Food comminuting machines. Serial No. 609,922, Nov. 13. Class 23.

Goldsmith Bros., New York, N. Y. Combination filing and storage cabinets. Serial No. 600,263, Nov. 13. Class 32.

Goodlander Mills Company: *See*—
Flour Mills of America, Inc.

Gould, Sidney S., doing business as Combined Industries, Brooklyn, N. Y. Collapsible combination clothes rack, and shoe rack. Serial No. 591,292, Nov. 13. Class 32.

Grand Chapter of Phi Sigma Kappa, The, Chicago, Ill. Periodical publication. Serial No. 609,645, Nov. 13. Class 38.

Great Bear Spring Company, New York, N. Y. Ice cooled or electrically operated water coolers. Serial No. 605,029, Nov. 13. Class 31.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio, and Chicago, Ill. Wooden drums. Serial No. 532,927, Nov. 13. Class 2.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio, and Chicago, Ill. Wooden drums. Serial No. 533,733, Nov. 13. Class 2.

Grey Iron Casting Company, Mount Joy, Pa. Sets of carpenters' tools. Serial No. 578,972, Nov. 13. Class 23.

Growers Outlet: *See*—
Monarch Wine Company of Ga.

Hallemite Manufacturing Co., The, Cleveland, Ohio. Paint thinners. Serial No. 610,684, Nov. 13. Class 16.

Hammel, Riglander & Co., Inc., New York, N. Y. Watch repair record books. Serial No. 574,700, Nov. 13. Class 37.

Hanovia Chemical and Manufacturing Company, Newark, N. J. Ultraviolet lamps for therapeutic purposes. Serial No. 607,018, Nov. 13. Class 44.

Hawley Products Company, St. Charles, Ill. Empty radio cabinets, empty phonograph cabinets and bureau drawers. Serial No. 582,428, Nov. 13. Class 32.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. Serial No. 607,220, Nov. 13. Class 38.

Herbert Manufacturing Co., Inc., New York, N. Y. Piece goods. Serial No. 601,908, Nov. 13. Class 42.

Hercules Powder Company, Wilmington, Del. Molding powder. Serial No. 593,923, Nov. 13. Class 1.

Hettrick Manufacturing Company, The, Toledo, Ohio. Gliders. Serial Nos. 609,859–60, Nov. 13. Class 32.

Heyden Chemical Corporation, New York, N. Y. Chemicals and chemical preparations. Serial No. 601,913, Nov. 13. Class 6.

Hirsh, S. A., Manufacturing Co., Chicago, Ill. Steel shelving supports. Serial No. 564,199, Nov. 13. Class 32.

Holley Carburetor Company, Detroit, Mich. Distributors and parts thereof. Serial No. 576,209, Nov. 13. Class 21.

Holsum Products: *See*—
Jewett & Sherman Co.

Huntington Laboratories, Inc., Huntington and Tipton, Ind. Liquid for cleaning, preserving and polishing surfaces. Serial No. 610,359, Nov. 13. Class 4.

Hydro-Controls Company, West Allis, Wis. Endless belt conveyors and gear speed reducers. Serial No. 612,076, Nov. 13. Class 23.

Hygienic Products Company, The, Canton, Ohio. Cleaning powder. Serial No. 608,247, Nov. 13. Class 52.

Hygienic Products Company, The, Canton, Ohio. Cleaning powder. Serial Nos. 608,249–50, Nov. 13. Class 52.

Hygrade Food Products Corporation, New York, N. Y. Lard, beef frankfurters, beans and all beef frankfurters, etc. Serial No. 548,372, Nov. 13. Class 46.

Ideal Hosiery Mills, Philadelphia, Pa. Infants' and children's hosiery. Serial No. 610,561, Nov. 13. Class 39.

Imperial Chemical Industries Limited, London and Millbank, London, England. Synthetic resins. Serial No. 598,653, Nov. 13. Class 1.

Imperial Molded Products Corporation, Chicago, Ill. Engineering, designing and the custom molding of products. Serial Nos. 539,058–9, Nov. 13. Class 106.

Independent Grocers Alliance Distributing Co., Chicago, Ill. Soap. Serial No. 599,949, Nov. 13. Class 52.

India Rubber Review Company, The, Akron, Ohio. Monthly publication. Serial No. 584,768, Nov. 13. Class 38.

International Manufacturing Co., Roxbury, Mass. Clear transparent plastic sheets. Serial No. 575,988, Nov. 13. Class 50.

Invalift, Inc., Seattle, Wash. Weighing scales. Serial No. 605,858, Nov. 13. Class 26.

Ironees Company, The: *See*—
Lehrman, David.

Jackson, Peter (Overseas), Limited, London, England. Cigarettes. Serial No. 609,801, Nov. 13. Class 17.

Jamestown Finishing Products, Inc., Jamestown, N. Y. Plastic sheet material simulating leather. Serial No. 593,275, Nov. 13. Class 50.

Jamestown Table Company, Jamestown, N. Y. Dressers, vanity dressers, men's chests, etc. Serial No. 591,168, Nov. 13. Class 32.

Jamison Classics, Inc., New York, N. Y. Ladies' and misses' dresses, slacks, outer shorts, etc. Serial No. 607,129, Nov. 13. Class 39.

Jefferson Pharmacal Company, Detroit, Mich. Vitamin capsules and tablets. Serial No. 611,647, Nov. 13. Class 18.

Jenkins, George O., Company, Bridgewater, Mass. Fiberboard which is a leather substitute. Serial No. 610,622, Nov. 13. Class 50.

Jewett & Sherman Co., doing business under the name Holsum Products, Milwaukee, Wis. Olives, sandwich spread, salad dressing, etc. Serial No. 545,993, Nov. 13. Class 46.

Jiffy Distributing Co.: *See*—
Margulis, Joseph M.

Jiffy Enterprises, Incorporated, assignee: *See*—
Margulis, Joseph M.

Kansas Paint & Color Company, Wichita, Kans. Ready-mixed paints, paint enamels and lacquers. Serial No. 516,905, Nov. 13. Class 16.

Kessler Shoe Manufacturing Company, Inc., Westminster, Md. Infants' and children's shoes. Serial No. 606,783, Nov. 13. Class 39.

Kinax, S. A. R. L., Montreuil-sous-Bois, (Seine), France. Photographic apparatus. Serial No. 576,497, Nov. 13. Class 26.

King Midas Mill Company: *See*—
Van Dusen Harrington Co.

King Paint Roller, Inc., Detroit, Mich. Paint roller. Serial No. 603,067, Nov. 13. Class 29.

Kopel Filter Paper Co.: *See*—
Kopel, Irving J.

Kopel, Irving J., doing business as Kopel Filter Paper Co., Chicago, Ill. Electric iron rest. Serial No. 590,163, Nov. 13. Class 21.

Kraus, H. Felix, doing business as Prints International, New York, N. Y. Laminated color reproductions of pictures, etc. Serial No. 595,217, Nov. 13. Class 38.

Laclede Steel Company, St. Louis, Mo. Steel products. Serial No. 568,311, Nov. 13. Class 12.

La Crosse Rubber Mills Company, La Crosse, Wis. Rubber footwear. Serial Nos. 598,799–800, Nov. 13. Class 39.

Larus & Brother Company, Richmond, Va. Cigarettes. Serial Nos. 600,174–5, Nov. 13. Class 17.

Larus & Brother Company, Richmond, Va. Smoking tobacco. Serial No. 611,525, Nov. 13. Class 17.

Lea Manufacturing Company, The, Waterbury, Conn. Buffing compounds. Serial No. 590,089, Nov. 13. Class 4.

Leclabart, Jean, Paris, France. Hairwaving apparatus. Serial No. 582,919, Nov. 13. Class 44.

Lehrman, David, trading as The Ironees Company, Philadelphia, Pa. Ironing board pads and covers. Serial No. 607,593, Nov. 13. Class 24.

Lily Mills Company, Shelby, N. C. Yarn. Serial No. 608,556, Nov. 13. Class 43.

Lintner, Kirtley J., Shawnee, Kans. Carpenter's framing instrument. Serial No. 612,020, Nov. 13. Class 26.

Lo Cascio, Louis, doing business as Clown Toy Manufacturing Company, Brooklyn, N. Y. Toys. Serial No. 616,081, Nov. 13. Class 22.

Long, Dr., Geo. S., Corporation, Pineville, La. Vitamin tonic. Serial No. 609,408, Nov. 13. Class 18.

Lucky Stride Shoes, Inc., Maysville, Ky. Women's shoes. Serial No. 608,254, Nov. 13. Class 39.

Mackin, H. J., Sales Co.: *See*—
Mackin, Henry J.

Mackin, Henry J., doing business as H. J. Mackin Sales Co., Momence, Ill. Venetian blind supporting tape. Serial No. 570,566, Nov. 13. Class 40.

Macy, R. H., & Co., Inc., New York, N. Y. Canned and bottled foods. Serial No. 590,554, Nov. 13. Class 46.

Maltine Company, The, Morris Plains, N. J. Medicinal preparation. Serial No. 611,611, Nov. 13. Class 18.

Margulis, Joseph M., doing business as Jiffy Distributing Co., Flint, Mich., assignor to Jiffy Enterprises, Incorporated, Philadelphia, Pa. Hook and eye type wall hanger. Serial No. 607,337, Nov. 13. Class 13.

Marroquin, Carlos C., doing business under the name of Nova Laboratories, San Antonio, Tex. Medical eye drops. Serial No. 610,751, Nov. 13. Class 18.

Martony, Edward, doing business as Natural Health Products, Sarasota, Fla. Electrical liquefying machine. Serial No. 608,171, Nov. 13. Class 21.

Marvest Inc., New York, N. Y. Sport coats. Serial No. 593,360, Nov. 13. Class 39.

Mayflower Mills, Fort Wayne, Ind. Wheat flour and prepared biscuit mixes. Serial No. 598,425, Nov. 13. Class 46.

McKeown Bros. Co., Chicago, Ill. Plastic self-polishing liquid shoe dressing. Serial No. 604,210, Nov. 13. Class 4.

Merck & Co., Inc., Rahway, N. J. Antibiotic preparations. Serial No. 617,509, Nov. 13. Class 18.

Mexiburger Company, Grand Rapids, Mich. Mixed spices. Serial No. 519,480, Nov. 13. Class 46.

Michigan Salt Company, St. Louis, Mich. Table salt. Serial No. 508,541, Nov. 13. Class 46.

Miller-Jones Company, Columbus, Ohio. Shoes. Serial No. 575,363, Nov. 13. Class 39.

Minute Maid Corporation, New York, N. Y. Frozen concentrated juices of citrus fruits. Serial No. 615,870, Nov. 13. Class 46.

Mitchell Industries, Inc., Mineral Wells, Tex. Electric soldering irons. Serial No. 610,133, Nov. 13. Class 21.

Monarch Wine Company of Ga., also trading as Growers Outlet, Atlanta, Ga. Wines. Serial No. 604,212, Nov. 13. Class 47.

Monsanto Chemical Company, St. Louis, Mo. Chemicals and chemical compositions. Serial No. 611,101, Nov. 13. Class 6.

Morris, Philip, & Co. Ltd., Incorporated, New York, N. Y. Smoking tobacco. Serial No. 611,579, Nov. 13. Class 17.

Mowil, Edward A., San Francisco, Calif. Disc adapted to be positioned between the wheel and brake drum of an automobile, etc. Serial No. 588,040, Nov. 13. Class 35

Multi-Clean Products, Incorporated, St. Paul, Minn. Steel wool pads. Serial No. 593,576, Nov. 13. Class 4.

Musicolor Inc., Chicago, Ill. Electrical apparatus. Serial No. 611,483, Nov. 13. Class 21.

Myerson Tooth Corporation, Cambridge, Mass. Artificial teeth. Serial No. 608,996, Nov. 13. Class 44.

N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands. Fruit essences. Serial No. 581,004, Nov. 13. Class 46.

N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands. Fruit essences. Serial No. 581,006, Nov. 13. Class 46.

Nancy Gale, Ltd., assignee: *See*—
Terry Hill, Inc.

Nason, R. N., & Co., San Francisco, Calif. Automotive paints. Serial No. 546,860, Nov. 13. Class 16.

National Autocraft Manufacturing Co., Orlando, Fla. Clips for fastening ornamental trim on automotive vehicles. Serial No. 602,909, Nov. 13. Class 13.

National Cash Register Company, The, Dayton, Ohio. Ink. Serial Nos. 608,885–7, Nov. 13. Class 11.

National Distillers Chemical Corporation, New York, N. Y. Sodium. Serial No. 607,506, Nov. 13. Class 6.

National Industrial Conference Board, Inc., New York, N. Y. Periodic publication. Serial No. 607,036, Nov. 13. Class 38.

National Package Drugs, Inc., St. Louis, Mo. Antihistamine tablets. Serial No. 590,824, Nov. 13. Class 18.

National Screw and Manufacturing Company, The, Cleveland, Ohio. Anti-skid chains. Serial No. 613,231, Nov. 13. Class 13.

National Silver Company, New York, N. Y. Certain articles of holloware. Serial No. 613,142, Nov. 13. Class 13.

Natural Health Products: *See*—
Martony, Edward.

Newark Paraffine & Parchment Paper Co., Newark, N. J. Cellulose wrapping paper. Serial No. 597,159, Nov. 13. Class 37.

Norben, Inc., Indianapolis, Ind. Light metal ware. Serial No. 586,541, Nov. 13. Class 13.

Norris Inc., Atlanta, Ga. Candy. Serial No. 590,826, Nov. 13. Class 46.

Northeastern Plastics, Inc., Boston, Mass. Combs. Serial No. 610,577, Nov. 13. Class 40.

Nova Laboratories: *See*—
Marroquin, Carlos C.

Ohio Rubber Company, The, Willoughby, Ohio. Semi-pneumatic rubber tires. Serial No. 609,878, Nov. 13. Class 35.

Ohmite Manufacturing Company, Chicago, Ill. Electrical circuit control elements. Serial Nos. 602,282–3, Nov. 13. Class 21.

Ollendorff Watch Co. Inc., New York, N. Y. Watches and clocks. Serial No. 609,415, Nov. 13. Class 27.

Opti-Phonetics, Inc., Tuckahoe, N. Y. Series of motion picture films and slide films. Serial No. 582,494, Nov. 13. Class 26.

Osceola Foods, Inc., Osceola, Ark. Oleomargarine. Serial No. 587,742, Nov. 13. Class 46.

Pantasote Company, The, Passaic, N. J., and New York, N. Y. Printed publication. Serial No. 609,416, Nov. 13. Class 38.

Parents' Institute, Inc., The, New York, N. Y. Magazine. Serial Nos. 610,137–8, Nov. 13. Class 38.

Park & Shop, Inc., Allentown, Pa. Board game. Serial No. 614,310, Nov. 13. Class 22.

Petri Wine Company, also doing business as Angelo Petri Vineyards, San Francisco, Calif. Wines and champagnes. Serial No. 607,827, Nov. 13. Class 47.

Phenix Pabst-Ett Company, Chicago, Ill. Cheese product. Serial No. 539,078, Nov. 13. Class 46.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Pamphlets. Serial No. 608,218, Nov. 13. Class 38.

Pied Piper of Dallas, Dallas, Tex. Clothing. Serial No. 610,458, Nov. 13. Class 39.

Pierce, P. O., Company, Long Island City, N. Y. Enamel. Serial No. 610,336, Nov. 13. Class 16.

Pine Bros., Inc., Philadelphia, Pa. Glycerine tablets. Serial No. 611,807, Nov. 13. Class 18.

Piper Brace Co., Kansas City, Mo. Hernia supporting trusses. Serial No. 562,083, Nov. 13. Class 44.

Plessey Company, Limited, The, Ilford and London, England. Soft compressed magnetic flake material used as chokes. Serial No. 597,901, Nov. 13. Class 21.

Prints International: *See*—
Kraus, H. Felix.

Protectowire Co., The, Pembroke, Mass. Equipment for use in electric protective signalling systems. Serial No. 548,693, Nov. 13. Class 21.

Puritan Stationery Company, Inc., Philadelphia, Pa. Writing paper and mailing envelopes. Serial No. 610,715, Nov. 13. Class 37.

Ray, Donald R., doing business as Roll-A-Whirl Co., St. James, Mo. Amusement apparatus. Serial No. 579,891, Nov. 13. Class 22.

Roll-A-Whirl Co.: *See*—
Ray, Donald R.

Roller Derby Associates, Chicago, Ill. All types of pennants, lapel buttons, etc. Serial No. 600,975, Nov. 13. Class 50.

Royce Shoe Corporation, Newmarket, N. H. Women's shoes. Serial No. 608,087, Nov. 13. Class 39.

Rutland Fire Clay Company, Rutland, Vt. Spackling compound. Serial No. 571,664, Nov. 13. Class 12.

S. F. Appliances Limited, Ridgefield, N. J. Gasolene, kerosene, gas, and charcoal smoothing irons. Serial No. 564,968, Nov. 13. Class 24.

Sandeman, David, & Son Ltd., Glasgow, Scotland. Blended Scotch whiskey. Serial No. 606,569, Nov. 13. Class 49.

Sanson Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 596,242, Nov. 13. Class 39.

Schaeffer Mfg. Co., St. Louis, Mo. Toilet bowl cleaner. Serial No. 610,147, Nov. 13. Class 52.

Schenley Laboratories, Inc., New York, N. Y. Products used as mixing ingredients in poultry, livestock and other animal feeds and containing Vitamin B_{12}. Serial No. 611,314, Nov. 13. Class 18.

School House Candy Co., Providence, R. I. Candies. Serial No. 601,469, Nov. 13. Class 46.

School Photo Service, Inc., Kansas City, Mo. Photographic services. Serial No. 555,567, Nov. 13. Class 106.

Schulmerich Electronics, Incorporated, Sellersville, Pa. Musical instruments. Serial No. 572,456, Nov. 13. Class 36.

Sears, Roebuck and Co., Chicago, Ill. Water supply systems. Serial No. 588,893, Nov. 13. Class 23.

Selmer, H. & A., Incorporated, Elkhart, Ind. Saxophone-supporting neck straps and musical instrument swabs. Serial No. 543,228, Nov. 13. Class 36.

Shell Oil Company, New York, N. Y. Motor oil and lubricating greases. Serial No. 603,600, Nov. 13. Class 15.

Sierra Madre-Lamanda Citrus Association, Pasadena, Calif. Fresh citrus fruits. Serial No. 612,184, Nov. 13. Class 46.

Sintering Machinery Corporation, Netcong, N. J. Light weight aggregate for construction purposes. Serial No. 590,917, Nov. 13. Class 12.

Skinner, Jarrett, Flint, Mich. Liniment. Serial No. 611,726, Nov. 13. Class 18.

Sleep Pure Company, Chicago, Ill. Pillows. Serial No. 600,310, Nov. 13. Class 32.

Slocum Publishing Company, Detroit, Mich. Periodical. Serial No. 595,989, Nov. 13. Class 38.

Smith Agricultural Chemical Company, The, Columbus, Ohio. Battery acids and sulphuric acids. Serial No. 583,451, Nov. 13. Class 6.

Smith, Kline & French Laboratories, Philadelphia, Pa. Preparation for use in the treatment of dermatological conditions. Serial No. 611,660, Nov. 13. Class 18.

Snyder & Black, New York, N. Y. Non-electrical advertising signs. Serial No. 593,570, Nov. 13. Class 50.

Societe Normande de Produits Chimiques, Paris, France. Petroleum oils, essences and greases. Serial No. 601,759, Nov. 13. Class 15.

South Shore Packing Corporation, The, Vermilion, Ohio. Olives. Serial No. 608,191, Nov. 13. Class 46.

Southern Biscuit Company, Incorporated, Richmond, Va. Cookies. Serial No. 585,608, Nov. 13. Class 46.

Sprague Electric Company, North Adams, Mass. Electrical resistors. Serial No. 613,790, Nov. 13. Class 21.

Springfield Electrical Specialties, Inc., New York, N. Y. Electrical condensers and contacts or breaker points. Serial No. 615,294, Nov. 13. Class 21.

Squibb, E. R., & Sons, New York, N. Y. Estrogenic preparations. Serial No. 587,831, Nov. 13. Class 18.

Squibb, E. R., & Sons, New York, N. Y. Antileprotic preparation. Serial No. 603,651, Nov. 13. Class 18.

Squibb, E. R., & Sons, New York, N. Y. Antispastic preparation. Serial No. 603,652, Nov. 13. Class 18.

Stout, C. B., doing business as Baltic Mills, Memphis, Tenn. Wheat flour. Serial No. 576,079, Nov. 13. Class 46.

Syntomatic Corporation, New York, N. Y. Perfumes, toilet waters, perfume oil, etc. Serial No. 609,009, Nov. 13. Class 51.

Tama Trading Company, Inc., Los Angeles, Calif. Cottonseed salad oil. Serial No. 564,358, Nov. 13. Class 46.

Taylor Provision Company, The, Trenton, N. J. Pork roll. Serial No. 605,881, Nov. 13. Class 46.

Television Maintenance Master Antenna Division, Inc., New York, N. Y. Erection and maintenance of master television antennas. Serial No. 600,556, Nov. 13. Class 103.

Terminal Transport Company, Inc., Indianapolis, Ind. Moving and shipping by motor truck. Serial No. 608,684, Nov. 13. Class 105.

Terry Hill, Inc., New York and Astoria, assignor to Nancy Gale Ltd., New York, N. Y. Ladies' dresses. Serial No. 600,958, Nov. 13. Class 39.

Tompkins, W. A., Thomasville, Ala. Preparation for external application. Serial No. 609,518, Nov. 13. Class 18.

Torsion Balance Company, The, Clifton, N. J. Stainless steel weights. Serial No. 590,479, Nov. 13. Class 26.

Totem Distributing Co., Seattle, Wash. Electric cords, plugs, sockets and mechanic's light shields. Serial No. 603,465, Nov. 13. Class 21.

Transparent Package Company, Chicago, Ill. Ribbon. Serial No. 546,737, Nov. 13. Class 7.

Treesdale Laboratories and Textile Processing Company, assignee: *See*—
Treesdale Laboratories, Inc.

Treesdale Laboratories, Inc., Pittsburgh, Pa. assignor to Treesdale Laboratories and Textile Processing Company. Resinous plastic solutions. Serial No. 558,424, Nov. 13. Class 16.

"21" Brands Distillers Corporation, New York, N. Y. Whiskey. Serial No. 591,446, Nov. 13. Class 49.

United Feature Syndicate, Inc., New York, N. Y. Feature in a periodical. Serial No. 610,723, Nov. 13. Class 38.

United Sound and Signal Co., Inc., Columbia, Pa. Lettered advertising display cards. Serial No. 597,243, Nov. 13. Class 38.

United States Graphite Company, The, Division of The Wickes Corporation, Saginaw, Mich. Prepared pulverized material. Serial No. 610,196, Nov. 13. Class 1.

Van Dusen Harrington Co., now by change of name from King Midas Mill Company, and doing business under the name The Christian Mills, Minneapolis, Minn. Wheat flour. Serial No. 547,795, Nov. 13. Class 46.

Videola Corporation, New York, N. Y. Radio and television sets and parts. Serial No. 595,574, Nov. 13. Class 21.

Virginia Smelting Company, West Norfolk, Va. Aerosol insecticide. Serial No. 609,385, Nov. 13. Class 6.

Visual Education Association, Inc., Dayton, Ohio. Sets of cards. Serial No. 610,303, Nov. 13. Class 38.

Vitalic Battery Company, Inc., Dallas, Tex. Storage batteries and storage battery cases. Serial No. 605,820, Nov. 13. Class 21.

Walker Vitamin Products, Inc., Mount Vernon, N. Y. Ingestible tablets. Serial No. 610,156, Nov. 13. Class 18.

Washington Publications, Inc., New York, N. Y. Weekly periodical. Serial No. 608,688, Nov. 13. Class 38.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,057, Nov. 13. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,118, Nov. 13. Class 37.

Willard, Ralph S.: *See*—
Catalina Island Soap Corporation.

Williamson, Garfield, Inc., Jersey City, N. J. Grass seed. Serial No. 610,437, Nov. 13. Class 1.

Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Preparation having wetting, spreading and sticking properties. Serial No. 597,928, Nov. 13. Class 6.

Winthrop-Stearns Inc., New York, N. Y. Preparation for producing muscular relaxation. Serial No. 610,038, Nov. 13. Class 18.

Winthrop-Stearns Inc., New York, N. Y. Anticonvulsant drug. Serial No. 610,111, Nov. 13. Class. 18.

Winthrop-Stearns Inc., New York, N. Y. Analgesic preparation. Serial No. 610,112, Nov. 13. Class 18.

Winthrop-Stearns Inc., New York, N. Y. Organic iodine compound. Serial No. 610,113, Nov. 13. Class 18.

Winthrop-Stearns Inc., New York, N. Y. Spasmolytic drug. Serial No. 610,155, Nov. 13. Class 18.

Woodville Lime Products Company, The, Toledo, Ohio. Hydrated lime. Serial No. 609,994, Nov. 13. Class 12.

Zodrop Company, The, Harrisburg, Ill. Nasal drops. Serial No. 586,260, Nov. 13. Class 18.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme-Evans Company, Indianapolis, Ind. Flour. 282,971, renewed May 12, 1951. O. G. Nov. 13. Class 46.

Acme Shear Company, The, Bridgeport, Conn. Shears and scissors. 550,741, Nov. 13; Serial No. 595,041, published July 17, 1951. Class 23.

Adamas Carbide Corporation, Harrison, N. J. Tungsten carbide tool tips, and dibs. 550,854, Nov. 13; Serial No. 610,653, published Aug. 21, 1951. Class 23.

Advance Pattern Co., Inc., New York, N. Y. Periodical publication. 550,875, Nov. 13; Serial No. 574,561. Class 38.

Alcoa Ore Company, East St. Louis, Ill., to Aluminum Ore Company, St. Louis, Mo. Alumina, activated alumina, aluminum fluorides, etc. 287,312, renewed Sept. 22, 1951. O. G. Nov. 13. Class 6.

Alling & Cory Company, The, Rochester, N. Y. Mailing and correspondence envelopes. 550,687, Nov. 13; Serial No. 580,172, published July 24, 1951. Class 37.

All-Steel Equipment Inc., Aurora, Ill. Electrical boxes, concrete rings, covers and plates, etc. 550,621, Nov. 13; Serial No. 548,774, published Mar. 13, 1951. Class 21.

Almaden-Madrone Vineyards: *See*—
Madrone Vineyards.

Aluminum Ore Company: *See*—
Alcoa Ore Company.

Amco Athletic Apparel Corp., New York, N. Y. Men's and boys' jackets. 550,761, Nov. 13; Serial No. 599,407, published Aug. 21, 1951. Class 39.

American Chain & Cable Company, Inc., Bridgeport, Conn. Electric hoists. 550,675, Nov. 13; Serial No. 576,838, published Aug. 7, 1951. Class 21.

American Machine and Metals, Inc., New York, N. Y., and East Moline, Ill. Laundry folding machines. 550,914, Nov. 13; Serial No. 607,409. Class 24.

American Pop Corn Company, Sioux City, Iowa. Popping corn. 289,192, renewed Nov. 24, 1951. O. G. Nov. 13. Class 46.

American Thermos Bottle Company, The, Norwich, Conn. Vacuum bottles. 287,277, renewed Sept. 15, 1951. O. G. Nov. 13. Class 2.

American Woolen Company, Boston, Mass., and New York, N. Y. Woolen piece goods. 290,957, renewed Jan. 19, 1952. O. G. Nov. 13. Class 42.

Amicola Bottling Co.: *See*—
Amigone, Joseph N.

Amigone, Joseph N., doing business as Amicola Bottling Co., Buffalo, N. Y. Nonalcoholic, maltless, noncereal beverage. 444,598, Nov. 13; Serial No. 520,916, published Aug. 14, 1951. Class 45.

Anabolic Food Products, Inc., Glendale, Calif. Supplemental food preparations. 550,612, Nov. 13; Serial No. 540,240, published July 3, 1951. Class 46.

Anderson, V. D. Company, The, Cleveland, Ohio. Mechanical presses. 550,717, Nov. 13; Serial No. 589,190, published July 24, 1951. Class 23.

Animal Trap Co., Abingdon, Ill., to Animal Trap Company of America, Lititz, Pa. Animal-traps and tackhammers. 37,602, re-renewed Dec. 31, 1951. O. G. Nov. 13. Class 50.

Animal Trap Company of America: *See*—
Animal Trap Co.

Anvil Brand, Incorporated, High Point, N. C. Men's, boys' and children's overalls, dungarees, pants, etc. 550,777, Nov. 13; Serial No. 602,183, published Aug. 21, 1951. Class 39.

Anvil Brand, Incorporated, High Point, N. C. Men's, boys' and children's overalls, dungarees, etc. 550,782, Nov. 13; Serial No. 602,668, published Aug. 21, 1951. Class 39.

Artoller Corp., Lodi, N. J. Indoor and outdoor electric lanterns. 550,830, Nov. 13; Serial No. 606,357, published Aug. 7, 1951. Class 21.

Ateliers de Constructions Electriques de Charleroi, Brussels and Charleroi, Belgium. Mercury-vapor current rectifiers and inverters. 550,637, Nov. 13; Serial No. 559,985, published May 30, 1951. Class 21.

Atlas Plastic & Aluminum Pressure Plate Company, Butler, Wis. Foundry equipment. 550,677, Nov. 13; Serial No. 577,309, published Aug. 7, 1951. Class 23.

Austin, Nichols & Co. Incorporated, Brooklyn, N. Y. Whiskey. 550,837, Nov. 13; Serial No. 606,593, published July 31, 1951. Class 49.

Austria Tabakwerke Aktiengesellschaft vorm. Oesterreichische Tabakregie, Vienna, Austria. Chewing tobacco, smoking tobacco, snuff tobacco, etc. 550,659, Nov. 13; Serial No. 570,469, published July 10, 1951. Class 17.

Automatic Gold Chain Company: *See*—
Speidel, Edwin F. M.

Automatic Pencil Sharpener Co.: *See*—
Spengler-Loomis Manufacturing Company.

B. V. D. Company, Inc., The, Baltimore, Md., to B. V. D. Industries, Inc., New York, N. Y., and Baltimore, Md. Underwear, children's waist suits. 286,115, renewed Aug. 18, 1951. O. G. Nov. 13. Class 39.

B. V. D. Industries, Inc.: *See*—
B. V. D. Company, Inc., The.

Babson Bros. Co., Chicago, Ill. Milker units and parts thereof, vacuum pumps and air-compressing pumps and equipment, etc. 550,608, Nov. 13; Serial No. 526,551, published June 19, 1951. Class 23.

Bank Craft Designers, Inc., Minneapolis, Minn. Blank miniature decorative cards. 550,663, Nov. 13; Serial No. 571,890, published July 31, 1951. Class 37.

Barbara, Jack L., doing business as Easy Clip Mfg. Co., Port Jervis, N. Y. Attachment for the mouth end of a pipe stem or cigar or cigarette holder. 550,888, Nov. 13; Serial No. 591,343. Class 8.

Barrett, Paul, doing business as Paul Barrett Music, San Francisco, Calif. Sheet music. 550,664, Nov. 13; Serial No. 572,822, published Aug. 21, 1951. Class 38.

Barrett, Paul, Music: *See*—
Barrett, Paul.

Barwick, E. T., Mill: *See*—
Barwick, Eugene T.

Barwick, Eugene T., doing business as E. T. Barwick Mill, Chamblee, Ga. Cotton textile products. 550,910, Nov. 13; Serial No. 606,202. Class 42.

Basic Foods, Inc., New York, N. Y. Icing for cakes and cookies. 550,632, Nov. 13; Serial No. 559,673, published June 19, 1951. Class 46.

Battle Creek Letter Shop, Battle Creek, Mich. Partially printed ruled forms. 550,681, Nov. 13; Serial No. 578,479, published July 3, 1951. Class 37.

Beacon Manufacturing Company, Swannanoa, N. C. Blankets. 550,889, Nov. 13; Serial No. 591,346. Class 42.

Beaver Products Co. Limited, St. Laurent (near Montreal), Quebec, Canada. Polishing floor wax. 550,871, Nov. 13; Serial No. 559,492. Class 4.

Beiersdorf, P., & Co., Hamburg, Germany, by Duke Laboratories, Inc., Stamford, Conn. Cosmetic powder, cosmetic paste and preparations for the hair. 93,627, Oct. 7, 1913. Republished Nov. 13. Class 51.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Inc., Stamford, Conn. Lactoalbuminous solution. 151,673, Feb. 14, 1922. Republished Nov. 13. Class 18.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Inc., Stamford, Conn. Wound dressing. 187,623, Aug. 5, 1924. Republished Nov. 13. Class 18.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Inc., Stamford, Conn. Base for ointments. 198,807, May 26, 1925. Republished Nov. 13. Class 18.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Stamford, Conn. Toilet cream. 249,754, Nov. 20, 1928. Republished Nov. 13. Class 51.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Inc., Stamford, Conn. Soap. 264,325, Nov. 26, 1929. Republished Nov. 13. Class 52.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Inc., Stamford, Conn. Waxlike substance. 268,057, Mar. 4, 1930. Republished Nov. 13. Class 6.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Inc., Stamford, Conn. Base for ointments. 292,346, Mar. 15, 1932. Republished Nov. 13. Class 18.

Beiersdorf, P., & Co. Inc., New York, N. Y., by Duke Laboratories, Inc., Stamford, Conn. Soap. 321,882, Feb. 19, 1935. Republished Nov. 13. Class 52.

Best, John H., & Sons, Inc., Galva, Ill. Display racks and storage racks. 550,699, Nov. 13; Serial No. 583,515, published Aug. 7, 1951. Class 32.

Beverwyck Breweries, Inc., Albany, N. Y. Beer. 550,695, Nov. 13; Serial No. 583,024, published Aug. 7, 1951. Class 48.

Beverwyck Breweries, Inc., Albany, N. Y. Bock beer. 550,696, Nov. 13; Serial No. 583,026, published Aug. 7, 1951. Class 48.

Bolnack, H. C., Co. Inc., Brooklyn, N. Y. Canned or bottled grape juice and apple cider. 550,811, Nov. 13; Serial No. 604,613, published Aug. 7, 1951. Class 45.

Bonaguidi, Orland H., doing business under the name of Buckaroo Cocktail Lounge, Ruidoso, N. Mex. Nonalcoholic maltless preparation. 550,709, Nov. 13; Serial No. 587,176, published July 24, 1951. Class 45.

Bond Stores, Incorporated, New York, N. Y. Men's and boys' suits, pants, overcoats, etc. 550,711, Nov. 13; Serial No. 587,708, published Aug. 21, 1951. Class 39.

Borden Company, The: *See*—
Reid Ice Cream Corporation.

Borg-Warner Corporation, Chicago, Ill. Metal sewer and vent stacks; metal water pipes and couplings therefor, etc. 550,864, Nov. 13; Serial No. 522,826. Class 13.

Boyd, William, Beverly Hills, Calif. Photograph albums, autograph and scrap books. 550,825, Nov. 13; Serial No. 606,131, published July 24, 1951. Class 37.

Boyd, William, Beverly Hills, Calif. Wall paper. 550,839, Nov. 13; Serial No. 606,647, published July 31, 1951. Class 37.

Boyd, William, Beverly Hills, Calif. Fountain pens. 550,858, Nov. 13; Serial No. 611,258, published July 31, 1951. Class 37.

Brach, L. S., Manufacturing Corporation, Newark, N. J. Television antenna. 550,626, Nov. 13; Serial No. 554,359, published June 19, 1951. Class 21.

Bradley, Milton, Company, Springfield, Mass. Crayons and chalks. 550,753, Nov. 13; Serial No. 597,871, published July 17, 1951. Class 37.

Brown & Williamson Tobacco Corporation, Louisville, Ky., by Peter J. Schweitzer, Inc., New York, N. Y. Cigarette paper and cigarette paper booklets. 285,486, July 28, 1931. Republished Nov. 13. Class 8.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. 550,689, Nov. 13; Serial No. 580,398, published Aug. 14, 1951. Class 17.

Buckaroo Cocktail Lounge: *See*—
Bonaguldi, Orland H.

Buckeye Brewing Co., The, Toledo, Ohio. Beer. 550,775, Nov. 13; Serial No. 602,082, published Aug. 14, 1951. Class 48.

Buffalo Meter Company, Buffalo, N. Y. Liquid meters and parts thereof. 550,622, Nov. 13; Serial No. 549,359, published Nov. 8, 1950. Class 26.

Bullard Clark Company, The, assignee: *See*—
Jacobs, E. H., Manufacturing Co., Inc.

Bulova Watch Company, Inc., New York, N. Y. Bracelets. 288,966, renewed Nov. 10, 1951. O. G. Nov. 13. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Watches. 289,416, renewed Nov. 24, 1951. O. G. Nov. 13. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. 289,419, renewed Nov. 24, 1951. O. G. Nov. 13. Class 27.

Bureau of National Affairs, Inc., The, Washington, D. C. Periodical publications. 550,898, Nov. 13; Serial No. 599,362. Class 38.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 550,798, Nov. 13; Serial No. 604,189, published Aug. 14, 1951. Class 42.

Buromin Company, The: *See*—
Hagan Corporation.

Butler Brothers, Chicago, Ill. Carving sets, hammers, hatchets, and axes. 550,651, Nov. 13; Serial No. 567,496, published July 31, 1951. Class 23.

Cain, Ed., Chicago, Ill. Jewelry. 285,142, renewed July 14, 1951. O. G. Nov. 13. Class 28.

Calkins Manufacturing Company, Spokane, Wash. Weeding machines. 550,634, Nov. 13; Serial No. 559,831, published July 10, 1951. Class 23.

Candy Kitchens, Inc., Chicago, Ill. Candy. 289,505, renewed Dec. 1, 1951. O. G. Nov. 13. Class 46.

Captain Morgan Rum Distillers (Jamaica) Ltd., Kingston, Jamaica, British West Indies. Rum. 550,666, Nov. 13; Serial No. 573,164, published July 10, 1951. Class 49.

Carson Pirie Scott & Co., Chicago, Ill., to Milwaukee Boston Store Co., a Division of Federated Department Stores, Inc., Milwaukee, Wis. Ladies' underwear. 286,138, renewed Aug. 18, 1951. O. G. Nov. 13. Class 39.

Caspee Classics: *See*—
Cater, Buddy J.

Cater, Buddy J., doing business under the name Caspee Classics, Seguin, Tex. Women's blouses, skirts, and dresses. 550,718, Nov. 13; Serial No. 589,428, published Aug. 21, 1951. Class 39.

Celtic Record Company, Inc., New York, N. Y. Mechanically grooved phonograph records. 550,891, Nov. 13; Serial No. 592,305. Class 36.

Cel-U-Dex Corporation, Brooklyn, N. Y. Index tabs. 550,755, Nov. 13; Serial No. 598,064, published July 17, 1951. Class 37.

Centlivre Brewing Corporation, Fort Wayne, Ind. Beer and ale. 444,596–7, Nov. 13; Serial Nos. 508,786–7, published Aug. 14, 1951. Class 48.

Central Paper Company, Inc., Muskegon, Mich. Paper place mats and paper table cloths. 550,627, Nov. 13; Serial No. 554,765, published Oct. 3, 1950. Class 37.

Charlotte Chemical Laboratories, Inc., Charlotte, N. C. General cleaning powder. 285,546, renewed July 28, 1951. O. G. Nov. 13. Class 52.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving and photomechanical supplies. 550,672, Nov. 13; Serial No. 575,841, published Aug. 7, 1951. Class 21.

Chemipulp Process, Inc., Watertown, N. Y. Engineering services. 550,860, Nov. 13; Serial No. 535,682, published Aug. 21, 1951. Class 103.

Chicago Pharmacal Company, Chicago, Ill. Hematinic tonic. 400,902, Apr. 6, 1943. Republished Nov. 13. Class 18.

Chipman's, Chas., Sons, Easton and Selinsgrove, Pa., to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 83,393, re-renewed Sept. 12, 1951. O. G. Nov. 13. Class 39.

Chipman's, Chas., Sons Co., Inc.: *See*—
Chipman's, Chas., Sons.

Chrysler Corporation, Highland Park, Mich. Magazine. 550,834, Nov. 13; Serial No. 606,454, published Aug. 21, 1951. Class 38.

Clure, Claremont F., doing business as Delta Engineering Sales, Shreveport, La. Lubricating apparatus. 550,643, Nov. 13; Serial No. 563,312, published June 19, 1951. Class 23.

Cochran Foil Company, Incorporated, Louisville, Ky. Paper backed, aluminum foil, vermin-protective covers, etc. 550,792, Nov. 13; Serial No. 603,766, published Aug. 7, 1951. Class 37.

Colonial Mills Inc., to Robbins Mills, Inc., New York, N. Y. Rayon piece goods. 285,823, renewed Aug. 11, 1951. O. G. Nov. 13. Class 42.

Colt's Manufacturing Company: *See*—
Colt's Patent Fire Arms Manufacturing Co.

Colt's Patent Fire Arms Manufacturing Co., to Colt's Manufacturing Company, Hartford, Conn. Revolvers. 285,374, renewed July 28, 1951. O. G. Nov. 13. Class 9.

Columbia Mills, Inc., The, Syracuse, N. Y. Window shades. 550,894, Nov. 13; Serial No. 597,386. Class 32.

Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Anti-skid chains. 290,276, renewed Dec. 29, 1951. O. G. Nov. 13. Class 13.

Comfort Paper Corporation, assignor to Crown Zellerbach Corporation, San Francisco, Calif. Waxed paper, facial tissues and shelf paper. 550,784, Nov. 13; Serial No. 603,113, published July 3, 1951. Class 37.

Commercial Controls Corporation, Rochester, N. Y. Machine for opening, sealing, and stamping mail. 550,788, Nov. 13; Serial No. 603,436, published July 24, 1951. Class 23.

Commercial Envelope Manufacturing Company: *See*—
Kristel, Nat H.

Compagnie de Produits Chimiques et Electrometallurgiques Pechiney: *See*—
Societe des Forces Motrices et Usines de L'Arve.

Cone Export and Commission Co., Inc., New York, N. Y. Cotton piece goods. 550,789, Nov. 13; Serial No. 603,437, published Aug. 14, 1951. Class 42.

Conley, M., Company, The, Canton, Ohio. Paper products. 550,734, Nov. 13; Serial No. 592,761, published Aug. 21, 1951. Class 37.

Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Coated paper. 550,747, Nov. 13; Serial No. 596,559, published July 17, 1951. Class 37.

Continental Coffee Co., Chicago, Ill. Soup mix. 550,653, Nov. 13; Serial No. 568,835, published June 19, 1951. Class 46.

Continental Motors Corporation, Muskegon and Detroit, Mich. Internal combustion engines, complete industrial power units, etc. 550,656, Nov. 13; Serial No. 569,823, published July 17, 1951. Class 23.

Coolerator Company, The, Duluth, Minn. Refrigerators. 550,859, Nov. 13; Serial No. 615,002, published Aug. 21, 1951. Class 31.

Cooter, Paul M., doing business under the name Mart Sales Company, assignor to Selected Products Company, Inc., Chicago, Ill. Vegetable shortening. 550,614, Nov. 13; Serial No. 541,815, published June 26, 1951. Class 46.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Television and automotive antennae and television antenna electrical rotating devices or units. 550,790, Nov. 13; Serial No. 603,575, published Aug. 7, 1951. Class 21.

Cremix Company, Chicago, Ill. Ice milk mix. 550,739, Nov. 13; Serial No. 594,523, published July 10, 1951. Class 46.

Crown Handkerchief, Inc., New York, N. Y. Handkerchiefs. 550,766, Nov. 13; Serial No. 599,932, published Aug. 21, 1951. Class 39.

Crown Zellerbach Corporation, assignee: *See*—
Comfort Paper Corporation.

Cutaway Harrow Company, The, Higganum, Conn. Harrows. 25,802, Jan. 1, 1895. Amended. O. G. Nov. 13. Class 23.

Cutaway Harrow Company, The, to Orkil, Incorporated, East Hartford, Conn. Harrows. 25,802, Jan. 1, 1895. New certificate. O. G. Nov. 13. Class 23.

Cutaway Harrow Company, The, Higganum, Conn. Harrows, cultivators, edged disks, etc. 207,150, Dec. 22, 1925. Amended. O. G. Nov. 13. Class 23.

Cutaway Harrow Company, The, to Orkil, Incorporated, East Hartford, Conn. Harrows, cultivators, edged disks, etc. 207,150, Dec. 22, 1925. New certificate. O. G. Nov. 13. Class 23.

Dagand & Cie: *See*—
Société Française de Désinfection.

Dampp-Chaser, Inc., Fort Lauderdale, Fla. Electric heating unit. 550,744, Nov. 13; Serial No. 595,874, published Aug. 21, 1951. Class 21.

Decor-Note Company, St. Paul, Minn. Writing paper and mailing and correspondence envelopes. 550,630, Nov. 13; Serial No. 558,016, published Aug. 21, 1951. Class 37.

Delta Engineering Sales: *See*—
Clure, Claremont F.

Detroit-Michigan Stove Company, Detroit, Mich. Deep well cooking units for electric ranges. 550,759, Nov. 13; Serial No. 599,085, published Aug. 7, 1951. Class 21.

Diamond Match Company, The, New York, N. Y. Toilet tissue. 550,714, Nov. 13; Serial No. 588,283, published Aug. 14, 1951. Class 37.

Diamond Match Company, The, New York, N. Y. Wooden spoons and wooden forks. 550,715, Nov. 13; Serial No. 588,284, published July 10, 1951. Class 23.

Di Bari, Joseph, Brooklyn, N. Y. Metal covered vessel. 550,872, Nov. 13; Serial No. 559,692. Class 2.

Dick, A. B., Company, Niles, Ill. Stencil sheets, stencil typing film, stencil correction fluid, etc. 550,779, Nov. 13; Serial No. 602,380, published July 3, 1951. Class 37.

Dobbs & Co., New York, N. Y. Hat brushes, derby wipers, etc. 274,657, Sept. 2, 1930. Amended. O. G. Nov. 13. Class 29.

Dobbs & Co., New York, N. Y. Canes, umbrellas, walking sticks, etc. 279,378, Jan. 13, 1931. Amended. O. G. Nov. 13. Class 41.

Dodge, Kathryn, New York, N. Y. Fabric gloves. 550,882, Nov. 13; Serial No. 583,641. Class 39.

Doeskin Products, Inc., New York, N. Y. Cleansing tissues. 550,720, Nov. 13; Serial No. 589,774, published July 31, 1951. Class 37.

Duff Gordon & Co.: *See*—
Shaw, Alex. D., & Co.

Duke Laboratories, Inc.: *See*—
Belersdorf, P., & Co. Inc.
Lüscher & Bömper, A.-G.

Dupian Corporation, The, New York, N. Y. Fabrics. 550,765, Nov. 13; Serial No. 599,863, published Aug. 14, 1951. Class 42.

Dutchess Underwear Corporation, New York, N. Y. Ladies' wearing apparel. 550,748, Nov. 13; Serial No. 597,139, published Aug. 21, 1951. Class 39.

Eagle Clothes, Inc., New York, N. Y. Men's clothing. 550,707, Nov. 13; Serial No. 587,144, published Aug. 21, 1951. Class 39.

Eagle Clothes, Inc., New York, N. Y. Overcoats, topcoats, and suits for men and young men. 550,708, Nov. 13; Serial No. 587,146, published Aug. 21, 1951. Class 39.

Eanes, R. Willard, trading and doing business under the name of Ross Tobacco Co., Petersburg, Va. Cigarettes. 550,791, Nov. 13; Serial No. 603,579, published July 10, 1951. Class 17.

Easy Clip Mfg. Co.: *See*—
Barbara, Jack L.

Ecusta Paper Corporation, Pisgah Forest, N. C. Bactericidal soda straw wrap paper. 550,793, Nov. 13; Serial No. 603,775, published July 10, 1951. Class 37.

Ecusta Paper Corporation, Pisgah Forest, N. C. Bactericidal soda straw wrap paper. 550,795, Nov. 13; Serial No. 603,878, published July 10, 1951. Class 37.

Ecusta Paper Corporation, Pisgah Forest, N. C. Bactericidal soda straw wrap paper. 550,823, Nov. 13; Serial No. 605,787, published July 24, 1951. Class 37.

Edison, Thomas A., Incorporated, West Orange, N. J. Machines for shaving sound record tablets, etc. 290,521, renewed Jan. 5, 1952. O. G. Nov. 13. Class 23.

Electric Parts Corporation, Chicago, Ill. Electric blankets, electric sheets, and electric mattress pads. 550,850, Nov. 13; Serial No. 610,122, published Aug. 21, 1951. Class 21.

Ellena Brothers, Etiwanda, Calif. Cooking wines. 550,732, Nov. 13; Serial No. 592,364, published July 31, 1951. Class 47.

Emsig Manufacturing Co., New York, N. Y. Button feeding machines and parts thereof. 550,686, Nov. 13; Serial No. 579,811, published July 31, 1951. Class 23.

Epstein, M., Inc., Morristown, N. J. Sheets and pillowcases. 550,878, Nov. 13; Serial No. 583,037. Class 42.

Ercona Camera Corporation, New York, N. Y. Coated lenses for photographic apparatus. 550,832, Nov. 13; Serial No. 606,418, published Aug. 14, 1951. Class 26.

Erico Products, Inc., Cleveland, Ohio. Arc welding electrode holders, ground clamps and cable connectors. 550,853, Nov. 13; Serial No. 610,263, published Aug. 21, 1951. Class 21.

Esbeco Distilling Corporation, Stamford, Conn. Whiskey. 550,657, Nov. 13; Serial No. 570,199, published July 10, 1951. Class 49.

Esso Standard Oil Company, assignee: *See*—
Stanco Incorporated.

Fancee Free Mfg. Co.: *See*—
Wiedle, Herma C.

Fancee Free Manufacturing Company, assignee: *See*—
Wiedle, Herma C.

Farmers Hybrid Seed Corn Company, Hampton, Iowa. Monthly publication. 550,899, Nov. 13; Serial No. 600,038. Class 38.

Farrell, Lura B., Coshocton, Ohio. Disposable paper cleaning swabs. 550,819, Nov. 13; Serial No. 605,413, published Aug. 7, 1951. Class 37.

Ferber Corporation, Englewood, N. J. Fountain pens. 550,613, Nov. 13; Serial No. 541,274, published July 31, 1951. Class 37.

Ferber Corporation, Englewood, N. J. Ball point pens. 550,840, Nov. 13; Serial No. 606,704, published July 31, 1951. Class 37.

Fettel, Martin G., doing business as Taylor Industries, Cleveland, Ohio. Electric fans. 550,847, Nov. 13; Serial No. 609,405, published Aug. 7, 1951. Class 21.

Filtors, Incorporated, Long Island City, N. Y. Filter units, elements, or cartridges. 550,826, Nov. 13; Serial No. 606,139, published Aug. 21, 1951. Class 31.

Fischer, Mary E., doing business under the name and style of Small Fry Service, Portland, Oreg. Advertising service. 550,917, Nov. 13; Serial No. 544,717. Class 101.

Floridagold Citrus Corporation, Winter Haven, to Triple E Development Company, Dade City, Fla. Canned grapefruit. 285,838, renewed Aug. 11, 1951. O. G. Nov. 13. Class 46.

Flower City Specialty Company, Rochester, N. Y. Coin cards. 550,785, Nov. 13; Serial No. 603,188, published July 24, 1951. Class 37.

Forestal Land, Timber and Railways Company Limited, The, London, England, to La Forestal Argentina Sociedad Anonima de Tierras, Maderas y Explotaciones Comerciales e Industriales, Buenos Aires, Argentina. Tanning extracts. 287,145, renewed Sept. 15, 1951. O. G. Nov. 13. Class 6.

Fowler Manufacturing Company, Portland, Oreg. Electric water heaters. 550,647, Nov. 13; Serial No. 566,073, published Aug. 7, 1951. Class 21.

Fownes Bros. & Co. Inc., New York, N. Y. Gloves. 550,873, Nov. 13; Serial No. 560,877. Class 39.

Frieder, S., & Sons Company, The, Cincinnati, Ohio, and Philadelphia, Pa. Cigars and cheroots. 550,667, Nov. 13; Serial No. 573,936, published Aug. 14, 1951. Class 17.

Friends of The Land, Columbus, Ohio. Magazines. 550,841, Nov. 13; Serial No. 606,769, published Aug. 21, 1951. Class 38.

Garrett & Company, Inc., Brooklyn, N. Y. Wines. 550,624, Nov. 13; Serial No. 551,558, published July 10, 1951. Class 47.

Gary-Allen Sportswear Company, Painesville, Ohio. Men's and boys' coats. 550,702, Nov. 13; Serial No. 584,533, published Aug. 21, 1951. Class 39.

Gemsco, Inc., New York, N. Y. Belts and neckties. 550,827, Nov. 13; Serial No. 606,142, published Aug. 21, 1951. Class 39.

General Laminating Inc., Lyndhurst, N. J. Paper. 550,736, Nov. 13; Serial No. 593,168, published Aug. 21, 1951. Class 37.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burners. 285,242, renewed July 21, 1951. O. G. Nov. 13. Class 34.

Gleason Works, Rochester, N. Y. Gear grinding and cutting machines. 550,767, Nov. 13; Serial No. 599,941, published July 31, 1951. Class 23.

Globe Machine Company, Philadelphia, Pa. Sewing machine heads. 550,815, Nov. 13; Serial No. 604,889, published July 3, 1951. Class 23.

Globe Ticket Company, Philadelphia, Pa. Printed tickets. 550,892, Nov. 13; Serial No. 593,068. Class 38.

Goldsmith, L. J.: *See*—
Goldsmith, Louis J.

Goldsmith, Louis J., doing business as L. J. Goldsmith, Jackson Heights, N. Y. Mattresses. 550,887, Nov. 13; Serial No. 590,745. Class 32.

Gordon Bros., New York, N. Y. Junior coats. 550,770, Nov. 13; Serial No. 600,665, published Aug. 21, 1951. Class 39.

Grant Storage Battery Company, Minneapolis, Minn. Battery testers and battery hydrometers. 550,730, Nov. 13; Serial No. 592,146, published July 10, 1951. Class 26.

Gregory Fount-O-Ink Company, Los Angeles, Calif. Pen points. 550,818, Nov. 13; Serial No. 605,159, published July 24, 1951. Class 37.

Griggs, Cooper & Company, St. Paul, Minn. Maltless beverages. 550,735, Nov. 13; Serial No. 592,808, published Aug. 7, 1951. Class 45.

Grove City Corporation, Downers Grove, Ill. Bowling score sheets. 550,812, Nov. 13; Serial No. 604,632, published Aug. 7, 1951. Class 37.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 550,903, Nov. 13; Serial No. 602,688. Class 27.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 550,904, Nov. 13; Serial No. 602,691. Class 27.

Gummed Products Company, The, Troy, Ohio. Gummed paper and fabric tapes. 285,479, renewed July 28, 1951. O. G. Nov. 13. Class 5.

Hadley, H. A., Associates, Incorporated, Burlington, Vt. Weighing scales. 550,751, Nov. 13; Serial No. 597,609, published July 10, 1951. Class 26.

Hagan Corporation, to The Buromin Company, Pittsburgh, Pa. Chemical for treating steam boiler water. 285,744, renewed Aug. 4, 1951. O. G. Nov. 13. Class 6.

Hamilton Products: *See*—
Lane, Charles E.
Handal, S., & Sons, Inc., New York, N. Y. Knitted underwear. 550,838, Nov. 13; Serial No. 606,608, published Aug. 21, 1951. Class 39.
Harvey and Howe, Inc., Chicago, Ill. Publication. 550,728, Nov. 13; Serial No. 591,726, published Aug. 21, 1951. Class 38.
Haxton Foods, Inc.: *See*—
Stittville Canning Company.
Heine, W. F., Supply Co., Oakland, Calif. Aluminum and stainless steel moulding. 550,883, Nov. 13; Serial No. 584,767. Class 12.
Henkel-Clauss Company, The, Fremont, Ohio, and New York, N. Y. All purpose shears and scissors. 550,874, Nov. 13; Serial No. 563,119. Class 23.
Heurich, Chr., Brewing Company, Washington, D. C. Sparkling malt lager. 550,700, Nov. 13; Serial No. 583,796, published Aug. 7, 1951. Class 48.
Hi-Lo TV Antenna Corp., Chicago, Ill. Indoor antennas. 550,833, Nov. 13; Serial No. 606,426, published Aug. 21, 1951. Class 21.
Holt Manufacturing Company, Oakland, Calif. Electrical portable floor machines. 550,658, Nov. 13; Serial No. 570,204, published Aug. 14, 1951. Class 21.
Holt Manufacturing Company, Oakland, Calif. Electrical portable floor machines. 550,682–3, Nov. 13; Serial Nos. 578,502–03, published Aug. 14, 1951. Class 21.
Hornung, Jacob, Brewing Co., Philadelphia, Pa. Ale. 550,655, Nov. 13; Serial No. 568,950, published Aug. 14, 1951. Class 48.
Horowitz Bros. & Margareten, Long Island City, N. Y. Coffee, tea, bitter sweet chocolate, etc. 550,763, Nov. 13; Serial No. 599,829, published June 19, 1951. Class 46.
Horton, Frederick B., South Manchester, Conn., to Lambert Pharmacal Company, St. Louis, Mo. Tooth-powder. 36,845, re-renewed July 30, 1951. O. G. Nov. 13. Class 51.
Hosken, Inc., Boston, Mass. Household furniture. 550,905, Nov. 13; Serial No. 603,013. Class 32.
House of Old Molineaux, Inc., Boston, Mass. Wines. 550,749, Nov. 13; Serial No. 597,149, published July 10, 1951. Class 47.
House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Men's full dress suits and dress topcoats and overcoats. 550,780, Nov. 13; Serial No. 602,401, published Aug. 21, 1951. Class 39.
Hudson, H. D., Manufacturing Company, Chicago, Ill. Traction field dusters. 550,849, Nov. 13; Serial No. 610,070, published July 24, 1951. Class 23.
Hughes Tool Company, Houston, Tex. Tool joints. 550,895, Nov. 13; Serial No. 597,399. Class 23.
Hungerford, S. R., Company, Incorporated, Memphis, Tenn. Bedroom furniture. 550,906, Nov. 13; Serial No. 604,638. Class 32.
Hunt, Rodney, Machine Co.: *See*—
Hunt, Rodney, Machine Company.
Hunt, Rodney, Machine Company, Orange, Mass., now by change of name Rodney Hunt Machine Co. Machines for advancing continuous lengths of flexible material. 550,644, Nov. 13; Serial No. 564,816, published July 17, 1951. Class 23.
Hunter-Wilson Distilling Co., Inc., New York, N. Y. Distilled liquors. 550,772, Nov. 13; Serial No. 601,048, published July 10, 1951. Class 49.
Hunter-Wilson Distilling Co., Inc., New York, N. Y. Distilled liquors. 550,773, Nov. 13; Serial No. 601,049, published Aug. 14, 1951. Class 49.
Hurd, George B., Inc., New York, N. Y. Writing paper and envelopes. 550,619, Nov. 13; Serial No. 546,101, published Aug. 21, 1951. Class 37.
Ice Cream Developers Inc., New York, N. Y. Confectionary coating spraying apparatus. 550,843, Nov. 13; Serial No. 607,329, published Aug. 7, 1951. Class 23.
Illinois Zinc Company, Chicago, Ill. Reinforcement rods and bars. 289,407, renewed Nov. 24, 1951. O. G. Nov. 13. Class 12.
Imperial Type Metal Company, Philadelphia, Pa. Compound used as a flux for removing dross from type metal. 290,722, renewed Jan. 12, 1952. O. G. Nov. 13. Class 52.
Ingersoll Milling Machine Company, The, Rockford, Ill. Milling and boring cutters. 550,721, Nov. 13; Serial No. 590,085, published Aug. 14, 1951. Class 23.
Institute of Social Order of the Society of Jesus, The, St. Louis, Mo. Printed publications. 550,820, Nov. 13; Serial No. 605,483, published Aug. 21, 1951. Class 38.
International Paper Company, New York, N. Y. Bleached kraft paperboard. 550,824, Nov. 13; Serial No. 606,018, published July 24, 1951. Class 37.
International Pulp Company, to International Talc Company, Inc., New York, N. Y. Pulp or powder. 290,651, renewed Jan. 12, 1952. O. G. Nov. 13. Class 1.
International Pulp Company, to International Talc Company, Inc., New York, N. Y. Pulp or powder. 290,657, renewed Jan. 12, 1952. O. G. Nov. 13. Class 1.
International Talc Company, Inc.: *See*—
International Pulp Company.
Jacobs, E. H., Manufacturing Co., Inc., assignor to The Bullard Clark Company, Danielson, Conn. Lug straps, check straps, silk pickers, etc. 550,629, Nov. 13; Serial No. 557,136, published Aug. 21, 1951. Class 23.
Jacobsen Manufacturing Company, Racine, Wis. Lawn mowers, power mowers, tractors, etc. 550,855, Nov. 13; Serial No. 610,740, published July 24, 1951. Class 23.
Janik, Carl L., Old Greenwich, Conn. Machine and woodworking tools. 550,856, Nov. 13; Serial No. 610,848, published Aug. 21, 1951. Class 23.
Johnson Corporation, The, Three Rivers, Mich. Rotary joints and mounting flanges therefor. 550,649, Nov. 13; Serial No. 566,837, published July 31, 1951. Class 23.
Johnson, Edward W., trustee: *See*—
Starr Fruit Products Co.
Joslyn Mfg. and Supply Co., Chicago, Ill. Street lighting luminaires. 550,646, Nov. 13; Serial No. 566,037, published Aug. 14, 1951. Class 21.
Juilliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. 550,808, Nov. 13; Serial No. 604,534, published Aug. 14, 1951. Class 42.
Justice, A. R., Company, Philadelphia, to A. R. Justice Company, Narberth, Pa. Polishing and cleansing material. 82,799, re-renewed July 25, 1951. O. G. Nov. 13. Class 4.
Karseal Corporation, Hollywood, Calif. Automobile polish. 550,909, Nov. 13; Serial No. 605,659. Class 4.
Kendall Company, The, Boston, Mass., and Chicago, Ill., to The Kendall Company, Boston, Mass. Gauze bandage and adhesive plaster. 289,908, renewed Dec. 15, 1951. O. G. Nov. 13. Class 44.
Kennedy Sinclaire, Inc., New York, N. Y. Periodical publications. 550,886, Nov. 13; Serial No. 587,806. Class 38.
Kent-Moore Organization, Inc., Detroit, Mich. Gauges, headlight testing apparatus, etc. 550,676, Nov. 13; Serial No. 577,125, published July 10, 1951. Class 26.
Keystone Steel and Wire Company, Peoria, Ill. Zinc coated iron and steel sheets. 288,567, renewed Nov. 3, 1951. O. G. Nov. 13. Class 14.
Kimberly-Clark Corporation, Neenah, Wis. Creped paper tissue products. 550,810, Nov. 13; Serial No. 604,582, published Aug. 21, 1951. Class 37.
Klik Promotions, Inc., New York, N. Y. Pens, pencils, and pen and pencil sets. 550,822, Nov. 13; Serial No. 605,589, published July 24, 1951. Class 37.
Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Electrical devices. 290,497, renewed Jan. 5, 1952. O. G. Nov. 13. Class 21.
Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Insulated jugs and vacuum bottles. 290,533, renewed Jan. 5, 1952. O. G. Nov. 13. Class 2.
Knapp-Monarch Company, Belleville, Ill., to Knapp-Monarch Company, St. Louis, Mo. Electrical goods. 290,554, renewed Jan. 12, 1952. O. G. Nov. 13. Class 21.
Knit Products Corporation, Belmont, N. C. Ladies', men's, and children's hosiery. 286,495, renewed Sept. 1, 1951. O. G. Nov. 13. Class 39.
Koppers Company, Inc.: *See*—
Koppers Company, The.
Koppers Company, The, to Koppers Company, Inc., Pittsburgh, Pa. Coke. 287,948, renewed Oct. 20, 1951. O. G. Nov. 13. Class 1.
Kremer, Joseph H., doing business under the name and style of Madison Salon Distributing Co., New York, N. Y. Hair shampoo preparation. 550,896, Nov. 13; Serial No. 597,400. Class 52.
Kristel, Nat H., doing business under the name and style of Commercial Envelope Manufacturing Company, New York, N. Y. Bond paper. 550,724, Nov. 13; Serial No. 590,897, published Aug. 7, 1951. Class 37.
La Forestal Argentina Sociedad Anonima de Tierras, Maderas y Explotaciones Comercials e Industriales: *See*—
Forestal Land, Timber and Railways Company Limited, The.
Lambert Pharmacal Company: *See*—
Horton, Frederick B.
La Monte, George, & Son, Nutley, N. J. Safety paper. 550,731, Nov. 13; Serial No. 592,265, published July 10, 1951. Class 37.
Larkin Coils, Inc., Atlanta, Ga. Automatic hot gas defroster. 550,757, Nov. 13; Serial No. 598,801, published Aug. 21, 1951. Class 31.
Laue, Charles E., doing business as Hamilton Products, Chicago, Ill. Fountain pen desk sets. 550,746, Nov. 13; Serial No. 596,171, published July 17, 1951. Class 37.
Lawrence Products Company, Inc., Attalla, Ala. Cotton rugs. 550,885, Nov. 13; Serial No. 587,040. Class 42.
Lawrence Products Company, Inc., Attalla, Ala. Cotton rugs. 550,911–12, Nov. 13; Serial No. 606,666–7. Class 42.
Lebanon Woolen Mills, Inc., Lebanon, Tenn., and New York, N. Y. Blankets. 550,799, Nov. 13; Serial No. 604,310, published Aug. 14, 1951. Class 42.
Lefcort Hosiery Mills, Inc., by Valcort Hosiery Corporation, New York, N. Y. Ladies' hosiery. 356,437, Apr. 26, 1938. Republished Nov. 13. Class 39.
Legal Stationery Co., Inc., New York, N. Y. Bond paper, onion skin paper, paper filing folders, etc. 550,828, Nov. 13; Serial No. 606,152, published Aug. 21, 1951. Class 37.

Lehmann, J. M., Company, Inc., Lyndhurst, N. J. Roller mill machinery. 550,809, Nov. 13; Serial No. 604,535, published July 31, 1951. Class 23.
Lily Mill and Power Company, to Lily Mills Company, Shelby, N. C. Sewing thread. 289,813, renewed Dec. 8, 1951. O. G. Nov. 13. Class 43.
Lily Mills Company: *See*—
Lily Mill and Power Company.
Lincoln Engineering Company, St. Louis, Mo. Display and storage cabinet and workbench for automotive supplies. 550,604, Nov. 13; Serial No. 518,841, published July 31, 1951. Class 23.
Lincoln Engineering Company, St. Louis, Mo. Stationary and portable lubricating pump. 550,725, Nov. 13; Serial No. 591,040, published Aug. 21, 1951. Class 23.
Lüscher & Bömper, A.-G., Fahr, Germany, by Duke Laboratories, Inc., Stamford, Conn. Plaster bandages. 250,633, Dec. 11, 1928. Republished Nov. 13. Class 44.
M and M Wood Working Company, Portland, Oreg. Plywood and doors. 550,879, Nov. 13; Serial No. 583,045. Class 12.
Macy, R. H., & Co., Inc., New York, N. Y. Toilet tissue. 550,762, Nov. 13; Serial No. 599,442, published July 24, 1951. Class 37.
Madison Salon Distributing Co.: *See*—
Kremer, Joseph H.
Madrone Vineyards, doing business as Almaden-Madrone Vineyards and Nob Hill Vintners, Madrone, Calif. Wines. 550,846, Nov. 13; Serial No. 609,042, published July 10, 1951. Class 47.
Majestic Frocks, Brooklyn, N. Y. Ladies' dresses. 550,701, Nov. 13; Serial No. 584,068, published Aug. 21, 1951. Class 39.
Mart Sales Company: *See*—
Cooter, Paul M.
Martin Fabrics Corporation, New York, N. Y. Velvets in the piece. 550,805, Nov. 13; Serial No. 604,443, published Aug. 14, 1951. Class 42.
Martini & Rossi Corporation, New York, N. Y. Vermouth, sparkling and still wines, etc. 550,635–5, Nov. 13; Serial Nos. 559,935–6, published Aug. 7, 1951. Class 47.
Marvin-Neitzel Corporation, Troy, N. Y. Nurses' apparel. 550,654, Nov. 13; Serial No. 568,854, published Aug. 21, 1951. Class 39.
McBee Company, The, Athens, Ohio. Bond paper. 550,618, Nov. 13; Serial No. 545,679, published Aug. 14, 1951. Class 37.
McKesson & Robbins, Incorporated: *See*—
Minneapolis Drug Company.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Hand and skin lotion. 282,808, renewed May 5, 1951. O. G. Nov. 13. Class 51.
Midwest Naturilite Co., Chicago, Ill. Ultra-violet ray apparatus. 550,831, Nov. 13; Serial No. 606,386, published Aug. 7, 1951. Class 21.
Milco Undergarment Co. Inc., New York, N. Y. Women's lingerie. 550,603, Nov. 13; Serial No. 510,525, published Aug. 21, 1951. Class 39.
Mill Sanitary Wiping Cloth Corp., New York, N. Y. Furnishing to industrial factories, or offices, clean towels, cleansing and wiping cloths, etc. 550,862, Nov. 13; Serial No. 569,281, published Aug. 21, 1951. Class 100.
Milwaukee Boston Store Co., a Division of Federated Department Stores, Inc.: *See*—
Carson Pirie Scott & Co.
Minneapolis Drug Company, Minneapolis, Minn., to McKesson & Robbins, Incorporated, New York, N. Y. Remedy for catarrhal disorders. 82,812, re-renewed July 25, 1951. O. G. Nov. 13. Class 18.
Minnesota Mining & Manufacturing Company: *See*—
New York Insulated Wire Company.
Modern Drugs, Inc.: *See*—
Myers Remedy Company.
Monarch Governor Company, Detroit, Mich. Containers or holders containing packs of facial tissue. 550,640, Nov. 13; Serial No. 561,575, published Aug. 7, 1951. Class 37.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. 550,605, Nov. 13; Serial No. 519,680, published July 17, 1951. Class 37.
Moravian Electrical Engineering Works, National Corporation: *See*—
Moravské Elektrotechnické Závody, Národní Podnik.
Moravské Elektrotechnické Závody, Národní Podnik, also named Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Electric motors, dynamos, generators, etc. 550,733, Nov. 13; Serial No. 592,718, published Aug. 14, 1951. Class 21.
Morehouse Industries, Los Angeles, Calif. Industrial grinding mills, mixers, etc. 550,727, Nov. 13; Serial No. 591,689, published July 3, 1951. Class 23.
Mueller, C. F., Co.: *See*—
Mueller, C. F., Company.
Mueller, C. F., Company, by merger of C. F. Mueller Co., Jersey City, N. J. Allmentary pastes. 550,865, Nov. 13; Serial No. 534,315. Class 46.
Myers Remedy Company, to Modern Drugs, Inc., Philippi, W. Va. Medicinal preparation. 289,475, renewed Dec. 1, 1951. O. G. Nov. 13. Class 18.
N. V. Brouwerij d'Oranjeboom, Rotterdam, Netherlands. Beer. 550,638, Nov. 13; Serial No. 560,536, published July 10, 1951. Class 48.
N. V. Brouwerij D'Oranjeboom, Rotterdam, Netherlands. Beer. 550,768–9, Nov. 13; Serial Nos. 600,611–12, published Aug. 7, 1951. Class 48.
Naaml. Venn. Distilleerderij Likeurstokerij, Limonade-En Extractenfabriek Van C. Polak Gzn., Groningen, Netherlands. Syrups for fruit flavored non-alcoholic maltless soft drinks, etc. 550,668, Nov. 13; Serial No. 574,155, published July 10, 1951. Class 45.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Paper in sheet form. 550,642, Nov. 13; Serial No. 563,210, published Aug. 21, 1951. Class 37.
National Cash Register Company, The, Dayton, Ohio. Hand stamps. 550,845, Nov. 13; Serial No. 608,881, published July 3, 1951. Class 23.
National Paper Corporation of Pennsylvania, Ransom, Pa., and New York, N. Y. Toilet tissue, paper towels, paper napkins, etc. 550,669, Nov. 13; Serial No. 574,721, published Aug. 14, 1951. Class 37.
National Super Service Co., Inc., Toledo, Ohio. Electrical vacuum cleaners, etc. 550,771, Nov. 13; Serial No. 600,967, published Aug. 21, 1951. Class 21.
Nea-T-Way Company, Portland, Oreg. Hand-operated dispensers. 550,890, Nov. 13; Serial No. 591,947. Class 13.
Neptune Specialties, Inc., Tampa, Fla. Blank ts. 550,844. Nov. 13; Serial No. 608,667, published July 24, 1951. Class 42.
New England Carbide Tool Co., Inc., Cambridge, Mass. Hammer drill bits. 550,857, Nov. 13; Serial No. 610,986, published July 24, 1951. Class 23.
New Jersey Machine Corporation, Hoboken, N. J. Printing machines. 411,858, Feb. 6, 1945. Republished Nov. 13. Class 23.
New York Insulated Wire Company, Wallingford, Conn., to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Friction tape. 280,229, renewed Feb. 10, 1951. O. G. Nov. 13. Class 5.
Nicholson, H. R., Company, The, trading as The Syrup Products Company, Baltimore, Md. Chemical clouding preparation for use in making non-alcoholic maltless soft drinks. 550,697, Nov. 13; Serial No. 583,407, published July 10, 1951. Class 45.
Nob Hill Vintners: *See*—
Madrone Vineyards.
Norcross, Sterling E., Bloomfield, N. J. Partially printed forms and order form mailing cards. 550,648, Nov. 13; Serial No. 566,358, published July 24, 1951. Class 37.
Nuclotex Limited, Bolton, England. Opening, scutching, carding, etc. machinery. 550,754, Nov. 13; Serial No. 598,031, published July 3, 1951. Class 23.
Nye-Walt Company, Inc., Auburn, N. Y. Textile rugs and carpets. 550,800–1, Nov. 13; Serial Nos. 604,313–14, published Aug. 14, 1951. Class 42.
Nylo-Therm Co. Inc., Philadelphia, Pa., assignor, by mesne assignments, to Prestige, Incorporated, New York, N. Y. Electrically heated, mechanically operated machines. 550,633, Nov. 13; Serial No. 559,726, published Aug. 7, 1951. Class 21.
Oberman & Company, Jefferson City, Mo. Work trousers and work shirts. 550,641, Nov. 13; Serial No. 562,727, published Aug. 21, 1951. Class 39.
Orchard Paper Co., St. Louis, Mo. Wrapping paper. 550,802–4, Nov. 13; Serial Nos. 604,317–19, published Aug. 17, 1951. Class 37.
Orchard Paper Co., St. Louis, Mo. Wrapping paper. 550,816, Nov. 13; Serial No. 605,048, published Aug. 21, 1951. Class 37.
Orkil, Incorporated: *See*—
Cutaway Harrow Company, The.
Ottawa Steel Products, Inc., Ottawa, Kans. Power shovel and scoop apparatus, and post driver. 550,665, Nov. 13; Serial No. 573,094, published Aug. 21, 1951. Class 23.
Ozmun and Company, Lawton, Okla. Grape juice. 550,778, Nov. 13; Serial No. 602,329, published July 10, 1951. Class 45.
Pacific Hard Rubber Company, Los Angeles, Calif. Wet storage battery boxes, and covers and vent caps therefor. 550,750, Nov. 13; Serial No. 597,541, published Aug. 7, 1951. Class 21.
Pacific Products, Inc., to Rainier Brewing Company, San Francisco, Calif. Mineral water. 285,555, renewed July 28, 1951. O. G. Nov. 13. Class 45.
Packard Dresses, Inc., New York, N. Y. Ladies' dresses, dress ensembles, consisting of dress and jacket. 550,877, Nov. 13; Serial No. 577,585. Class 39.
Panda Prints: *See*—
Slavic, Fred M.
Panda Prints, Inc., assignee: *See*—
Slavic, Fred M.
Parade Publication, Inc., New York, N. Y. Column in a newspaper publication. 550,703, Nov. 13; Serial No. 585,808, published Aug. 21, 1951. Class 38.
Parfumerie Roger et Gallet, Société Anonyme, Paris, France, to Roger & Gallet, New York, N. Y. Toilet soaps. 288,146, renewed Oct. 20, 1951. O. G. Nov. 13. Class 52.
Parfumerie Roger et Gallet, Société Anonyme, Paris, France, to Roger & Gallet, New York, N. Y. Perfumery. 288,322, renewed Oct. 27, 1951. O. G. Nov. 13. Class 51.

Perkins, B. F., & Son, Inc., Chicopee, Mass. Cloth pilers, rag cutters; paper and textile finishing machinery. 550,650, Nov 13; Serial No. 567,090, published July 24, 1951. Class 23.

Pet Milk Company: *See*—
Pfeifer, S., & Co.

Petersen, Percival F., Riverside, Calif. Autograph albums. 550,688, Nov. 13; Serial No. 580,203, published Aug. 7, 1951. Class 37.

Pfeifer, S., & Co., New Orleans, La., to Pet Milk Company, St. Louis, Mo. Butter. 84,999, re-renewed Jan. 16, 1952. O. G. Nov. 13. Class 46.

Phillips-Lester Manufacturing Company, Inc., Birmingham, Ala. Overalls. 550,704, Nov. 13; Serial No. 586,062, published Aug. 21, 1951. Class 39.

Photo Research Corp., San Fernando, Calif. Optical lens attachment. 550,671, Nov. 13; Serial No. 575,016, published July 10, 1951. Class 26.

Pierce Governor Company, Inc., The, Anderson, Ind. Electrically controlled choke device. 550,774, Nov. 13; Serial No. 601,689, published Aug. 21, 1951. Class 21.

Piggott, M. W., & Co.: *See*—
Piggott, Morley W.

Piggott, Morley W., doing business as M. W. Piggott & Co., Seattle, Wash. Revolving multiple-locker warm coom refrigerated receptacle. 550,842, Nov. 13; Serial No. 606,948, published Aug. 21, 1951. Class 31.

Pine Bros., Inc., Philadelphia, Pa. Glycerine tablets. 550,915–16, Nov. 13; Serial Nos. 611,808–9. Class 18.

Polley, H. Wm., Macon, Ga. Ready-mixed paints, technical and industrial finishes, etc. 444,476, Apr. 24, 1951. Republished Nov. 13. Class 16.

Prestige, Incorporated, assignee: *See*—
Nylo-Therm Co. Inc.

Protective Papers, Inc., Elgin and Union, Ill. Waterproof paper rolls, greaseproof paper rolls, reinforced paper stock, etc. 550,609, Nov. 13; Serial No. 537,355, published July 17, 1951. Class 37.

Protective Papers, Inc., Elgin and Union, Ill. Waterproof paper rolls, greaseproof paper rolls, reinforced paper stock, etc. 550,610, Nov. 13; Serial No. 537,358, published July 17, 1951. Class 37.

Protecto Products Co., Inc., Pomona, Calif. Paper toilet seat covers, paper garment hanger covers, paper garment protectors, etc. 550,674, Nov. 13; Serial No. 576,228, published July 17, 1951. Class 37.

Quaker State Oil Refining Corporation: *See*—
Sterling Oil Co.

Quality Optical Co.: *See*—
Quint, Bert H.

Quint, Bert H., doing business as Quality Optical Co., Chicago, Ill. Lenses. 550,742, Nov. 13; Serial No. 595,330, published June 26, 1951. Class 26.

Quest-Shon Mark Brassière Co., Inc., Brooklyn, N. Y. Slips, girdles, panties, petticoats, etc. 550,661, Nov. 13; Serial No. 571,233, published Aug. 21, 1951. Class 39.

Radio-Television Manufacturers Association, Washington, D. C. Radio and television receiving and transmitting apparatus and parts thereof. 550,863, Nov. 13; Serial No. 610,337, published Aug. 21, 1951. Class 21.

Rainier Brewing Company: *See*—
Pacific Products, Inc.

Reaction Motors, Inc., Dover, N. J. Rocket engines and parts thereof. 550,670, Nov. 13; Serial No. 574,924, published Aug. 21, 1951. Class 23.

Reid Ice Cream Corporation, Brooklyn, to The Borden Company, New York, N. Y. Ice cream and frozen confections. 290,299, renewed Dec. 29, 1951. O. G. Nov. 13. Class 46.

Republic Paint & Varnish Co., Chicago, Ill. Titanox, lead and zinc house paint. 550,857, Nov. 13; Serial No. 540,887. Class 16.

Republic Paint & Varnish Co., Chicago, Ill. Ready mixed paints, paint enamels, varnishes, etc. 550,866, Nov. 13; Serial No. 540,880. Class 16.

Retone Company, The, to Wildroot Company, Inc., Buffalo, N. Y. Dandruff remedy. 84,528, re-renewed Dec. 19, 1951. O. G. Nov. 13. Class 51.

Riggs, Walter A., Everett, Wash. Men's and boys' outer shirts. 550,620, Nov. 13; Serial No. 548,610, published Aug. 21, 1951. Class 39.

Robbin, Meyer, doing business as Robbin Products, Los Angeles, Calif. Wrist and pocket watches. 550,913, Nov. 13; Serial No. 606,982. Class 27.

Robbin Products: *See*—
Robbin, Meyer.

Robbins Mills, Inc.: *See*—
Colonial Mills Inc.

Roger & Gallet: *See*—
Parfumerie Roger et Gallet, Société Anonyme.

Roneo Limited, London, England. Stationary folders, guide cards, tabs, etc. 550,723, Nov. 13; Serial No. 590,284, published July 10, 1951. Class 37.

Rose Brand Syrup Supply Co., Inc., New York, N. Y. Maltless soft drink syrups. 550,693, Nov. 13; Serial No. 581,687, published July 24, 1951. Class 45.

Ross Tobacco Co.: *See*—
Eanes, R. W.

Royal Lace Paper Works: *See*—
Royal Lace Paper Works, Inc.

Royal Lace Paper Works, Inc., Brooklyn, N. Y., now by change of name from Royal Lace Paper Works. Opaque shelf paper, and drawer lining paper. 550,692, Nov. 13; Serial No. 581,018, published Aug. 14, 1951. Class 37.

Russell, Burdsall & Ward Bolt and Nut Co., Port Chester, N. Y. Bolts, nuts, and screws. 550,901, Nov. 13; Serial No. 602,165. Class 13.

Sagner's, A., Son, Baltimore, Md. Men's suits and trousers. 550,678, Nov. 13; Serial No. 577,345, published Aug. 21, 1951. Class 39.

St. Louis Lightning Protection Co., St. Louis, Mo. Electrical device. 550,852, Nov. 13; Serial No. 610,190, published Aug. 21, 1951.—Class 21.

St. Regis Paper Company, New York, N. Y. Coated paper. 550,712, Nov. 13; Serial No. 587,823, published July 31, 1951. Class 37.

Salamandra, Tito, Trenton, N. J. Cigarettes. 550,817, Nov. 13; Serial No. 605,118, published Aug. 14, 1951. Class 17.

Salvador Rodriguez, Inc., Tampa, Fla., and Habana, Cuba. Cigars. 290,339, renewed Jan. 5, 1952. O. G. Nov. 13. Class 17.

Samuel, Charles A., assignor to Sav-A-Life Corporation, Oak Park, Ill. Brake parts. 550,652, Nov. 13; Serial No. 568,452, published July 17, 1951. Class 23.

Sandhill Furniture Corporation, West End, N. C. Bedroom suites. 550,876, Nov. 13; Serial No. 575,441. Class 32.

Sav-A-Life Corporation, assignee: *See*—
Samuel, Charles A.

Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc. Whiskey, gin, rum, etc. 444,599, Nov. 13; Serial No. 524,907, published July 3, 1951. Class 49.

Schenley Distributors, Inc.: *See*—
Straight Whiskey Distilling Company of America, The.

Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.

Scher & Feldman, Inc., New York, N. Y. Children's coats. 550,781, Nov. 13; Serial No. 602,571, published Aug. 21, 1951. Class 39.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 550,821, Nov. 13; Serial No. 605,496, published July 24, 1951. Class 48.

Schlosser Paper Corporation, New York, N. Y. Light weight printing and correspondence paper, etc. 550,813, Nov. 13; Serial No. 604,747, published July 24, 1951. Class 37.

Schuckl & Co., Inc., San Francisco, to Schuckl & Co., Inc., Sunnyvale, Calif. Canned fruits. 289,561, renewed Dec. 1, 1951. O. G. Nov. 13. Class 46.

Schwab, H. W., Textile Corp., New York, N. Y. Fabrics in the piece. 550,776, Nov. 13; Serial No. 602,112, published Aug. 14, 1951. Class 42.

Schweitzer, Peter J., Inc.: *See*—
Brown & Williamson Tobacco Corporation.
Smith Paper, Inc.

Sears, Roebuck and Co., Chicago, Ill. Fountain pens and mechanical pencils. 550,615, Nov. 13; Serial No. 544,774, published July 17, 1951. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Water supply systems, pump cylinders, and pump valves. 550,623, Nov. 13; Serial No. 550,448, published July 10, 1951. Class 23.

Selected Products Company, Inc.: *See*—
Cooter, Paul M.

Shaw, Alex. D., & Co., New York, N. Y., to Duff Gordon & Co., Port St. Mary's, Spain. Sherry-wine. 83,012, re-renewed Aug. 8, 1951. O. G. Nov. 13. Class 47.

Shuken, S., & Company, Los Angeles, Calif. Towels and drying cloths. 550,893, Nov. 13; Serial No. 594,587. Class 42.

Signal Oil Company: *See*—
Signal Oil & Gas Company.

Signal Oil & Gas Company, to Signal Oil Company, Los Angeles, Calif. Gasoline. 287,715, renewed Oct. 6, 1951. O. G. Nov. 13. Class 15.

Simeone, Anthony B., doing business as Simson Manufacturing Company, Hamden, Conn. Electrically operated, ultraviolet ray, air-sterilizing devices. 550,756, Nov. 13; Serial No. 598,436, published Aug. 14, 1951. Class 21.

Simon & Mogilner, St. Paul, Minn. Boys' and girls' snow suits. 550,617, Nov. 13; Serial No. 545,654, published July 24, 1951. Class 39.

Simson Manufacturing Company: *See*—
Simeone, Anthony B.

Sinclair Refining Company: *See*—
Union Petroleum Company.

Sinclair Refining Company, New York, N. Y., to Sinclair Refining Company, Chicago, Ill. Kerosene. 287,716, renewed Oct. 6, 1951. O. G. Nov. 13. Class 15.

Sinclair Refining Company, New York, N. Y., to Sinclair Refining Company, Chicago, Ill. Lubricating oils and greases. 290,092, renewed Dec. 22, 1951. O. G. Nov. 13. Class 15.

Sitroux Importing Co., Inc., to Sitroux Incorporated, New York and Brooklyn, N. Y. Facial and wiping tissue. 281,482, renewed Mar. 17, 1951. O. G. Nov. 13. Class 37.

Sitroux Incorporated: *See*—
Sitroux Importing Co., Inc.

Sitroux Incorporated, New York, N. Y. Cleansing tissues. 550,796, Nov. 13; Serial No. 603,898, published July 3, 1951. Class 37.

Slavic, Fred M., doing business as Panda Prints, assignor to Panda Prints, New York, N. Y. Greeting cards. 550,740, Nov. 13; Serial No. 594,923, published Aug. 21, 1951. Class 38.

Small Fry Service: *See*—
Fischer, Mary E.

Smith Paper, Inc., Lee, Mass., by Peter J. Schweitzer, Inc., New York, N. Y. Cigarette paper and cigarette paper booklets. 439,405, June 22, 1948. Republished Nov. 13. Class 8.

Smolin, Harry, Flushing, N. Y. Loose leaf books. 550,797, Nov. 13; Serial No. 604,107, published Aug. 7, 1951. Class 37.

Societe des Forces Motrices et Usines de L'Arve, Grenoble and Paris, to Compagnie de Produits Chimiques et Electrometallurgiques Pechiney, Lyon, France. Aluminum and aluminum alloys, iron and iron alloys. 82,268, re-renewed June 13, 1951. O. G. Nov. 13. Class 14.

Societe des Forces Motrices et Usines de L'Arve, Grenoble and Paris, to Compagnie de Produits Chimiques et Electrometallurgiques Pechiney, Lyon, France. Chlorin, hydro-chlorid acid, alkaline chlorates, and chlorates, etc. 82,371, re-renewed June 20, 1951. O. G. Nov. 13. Class 6.

Société Française de Désinfection, to Dagand & Cie, Paris, France. Disinfectants. 37,259, re-renewed Oct. 29, 1951. O. G. Nov. 13. Class 6.

Society for Visual Education, Inc., Chicago, Ill. Photographic slides. 550,743, Nov. 13; Serial No. 595,423, published June 26, 1951. Class 26.

Southern California Glass Co., Inc., Los Angeles, Calif. Doors. 550,869, Nov. 13; Serial No. 553,416. Class 12.

Southern Churchman Publishing Company, Richmond, Va. Weekly publication. 550,884, Nov. 13; Serial No. 585,399. Class 38.

Southworth Company, West Springfield, Mass. Typewriter paper. 550,713, Nov. 13; Serial No. 588,188, published July 24, 1951. Class 37.

Spano, Paul H., Kansas City, Mo. Electrical device. 550,662, Nov. 13; Serial No. 571,298, published Aug. 14, 1951. Class 21.

Speedy Manufacturing Company, Sioux Falls, S. Dak. Power vacuum machines. 550,726, Nov. 13; Serial No. 591,590, published July 31, 1951. Class 23.

Speidel Corporation: *See*—
Speidel, Edwin F. M.

Speidel, Edwin F. M., doing business as Automatic Gold Chain Company, to Speidel Corporation, Providence, R. I. Jewelry. 290,416, renewed Jan. 5, 1952. O. G. Nov. 13. Class 28.

Spengler-Loomis Manufacturing Company, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Pencil sharpeners and parts therefor. 550,660, Nov. 13; Serial No. 571,171, published July 24, 1951. Class 23.

Sprague & Henwood, Incorporated, Scranton, Pa. Diamond bits. 550,848, Nov. 13; Serial No. 609,887, published July 3, 1951. Class 23.

Stanco, Incorporated, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del. 550,625, Nov. 13. Petroleum sulfonates for use in inks and inking material, Serial No. 552,511, published Nov. 15, 1949, Class 11; Petroleum sulfonates for general use in construction materials, Serial No. 552,509, published Oct. 18, 1949, Class 12; Refined, semi-refined, and unrefined oils and greases, lubricating greases, etc., Serial No. 552,512, published May 3, 1949, Class 15; Soluble petroleum sulfonates used as dispersing and wetting agents for coating particles in the nature of paint pigments, etc., Serial No. 552,508, published Feb. 21, 1950, Class 16; White mineral oil for medicinal pharmaceutical, and Veterinary purposes, etc., Serial No. 552,513, published Feb. 14, 1950, Class 18; Petroleum sulfonates for use as detergents and scouring agents, etc., Serial No. 552,510, published June 28, 1949, Class 52. (Consolidated Certificate, Classes 11, 12, 15, 16, 18, and 52.)

Standard Cap and Seal Corporation, Chicago, Ill. Coated paper. 550,705, Nov. 13; Serial No. 586,437, published July 17, 1951. Class 37.

Star Drilling Machine Company, The, Akron, Ohio. Well drilling machines and parts therefor. 550,760, Nov. 13; Serial No. 599,397, published Aug. 14, 1951. Class 23.

Starlite Root Beer Inc., East Detroit, Mich. Root beer concentrated syrup. 550,764, Nov. 13; Serial No. 599,848, published Aug. 7, 1951. Class 45.

Starr Foods, Inc., assignee: *See*—
Starr Fruit Products Co.

Starr Fruit Products Co., Portland, Oreg., Edward W. Johnson, trustee, assignor to Starr Foods, Inc., Salem, Oreg. Canned fruits, canned berries, canned vegetables, etc. 550,628, Nov. 13; Serial No. 557,082, published June 26, 1951. Class 46.

Stephano Brothers, Philadelphia, Pa. Cigarettes. 550,806, Nov. 13; Serial No. 604,499, published July 10, 1951. Class 17.

Sterling Oil Co., Emlenton, to Quaker State Oil Refining Corporation, Oil City, Pa. Oils and greases. 37,230, re-renewed Oct. 22, 1951. O. G. Nov. 13. Class 15.

Sterling Pulp & Paper Company, Eau Claire, Wis. Waxed paper. 550,783, Nov. 13; Serial No. 602,724, published July 24, 1951. Class 37.

Sterling Pulp & Paper Company, Eau Claire, Wis. Paper towels, paper facial tissue, paper napkins, etc. 550,787, Nov. 13; Serial No. 603,316, published July 3, 1951. Class 37.

Stittville Canning Company, Utica, by Haxton Foods, Inc., Oakfield, N. Y. Canned fruits, canned berries, canned vegetables, etc. 209,904, Mar. 2, 1926. Republished Nov. 13. Class 46.

Stitzel-Weller Distillery, Louisville and Shively, Ky. Whiskies. 550,694, Nov. 13; Serial No. 582,395, published July 3, 1951. Class 49.

Straight Whiskey Distilling Company of America, The, now by merger and change of name Schenley Distributors, Inc., New York, N. Y. Whiskey. 550,690, Nov. 13; Serial No. 580,630, published July 10, 1951. Class 49.

Straubel Paper Company, Green Bay, Wis. Packing and liner paper. 550,835, Nov. 13; Serial No. 606,576, published July 31, 1951. Class 37.

Street & Smith Publications, Inc., New York, N. Y. Title for a column in a periodical. 550,758, Nov. 13; Serial No. 598,816, published Aug. 21, 1951. Class 38.

Sure-Fit Products Company, Bethlehem, Pa. Ready-made slip-covers. 550,868, Nov. 13; Serial No. 541,976. Class 32.

Swift & Company, Chicago, Ill. Dressed poultry. 550,897, Nov. 13; Serial No. 597,474. Class 46.

Syracuse Ornamental Co., Inc., Syracuse, N. Y. Memo pads, desk calendars, paper weights, etc. 550,611, Nov. 13; Serial No. 538,826, published July 17, 1951. Class 37.

Syrup Products Company, The: *See*—
Nicholson, H. R., Company, The.

Taylor Industries: *See*—
Fettel, Martin G.

Telu Enterprises, Inc., New York, N. Y. Lead pencils. 550,829, Nov. 13; Serial No. 606,183, published July 24, 1951. Class 37.

Temas Corp., New York, N. Y. Monthly magazine. 550,836, Nov. 13; Serial No. 606,577, published Aug. 21, 1951. Class 38.

Tempting Products Corporation, Brooklyn, N. Y. Food products. 550,639, Nov. 13; Serial No. 560,847, published June 19, 1951. Class 46.

Terry, Sidney J., Chicago, Ill. Prefabricated windows. 550,880, Nov. 13; Serial No. 583,179. Class 12.

Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. 550,673, Nov. 13; Serial No. 576,082, published July 10, 1951. Class 26.

Thresher Paint and Varnish Company, The: *See*—
Thresher Varnish Company, The.

Thresher Varnish Company, The, to The Thresher Paint and Varnish Company, Dayton, Ohio. Varnishes. 275,531, renewed Sept. 23, 1950. O. G. Nov. 13. Class 16.

Times Facsimile Corporation, New York, N. Y. Stencil blanks and stencils prepared therefrom. 550,807, Nov. 13; Serial No. 604,500, published July 24, 1951. Class 37.

Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton piece goods. 289,525, renewed Dec. 1, 1951. O. G. Nov. 13. Class 42.

Triple E Development Company: *See*—
Floridagold Citrus Corporation.

Twitchell, E. W., Incorporated, Philadelphia, Pa. Kraft paper, cover paper, glassine paper, etc. 550,814, Nov. 13; Serial No. 604,826, published July 31, 1951. Class 37.

Undertakers Supply Co., Chicago, Ill. Tissue sealer. 550,908, Nov. 13; Serial No. 605,381. Class 6.

Union Carbide and Carbon Corporation, New York, N. Y. Carbon plugs and graphite stool inserts. 550,745, Nov. 13; Serial No. 596,057, published Aug. 14, 1951. Class 23.

Union Petroleum Company, Philadelphia, Pa., to Sinclair Refining Company, Chicago, Ill. Lubricating oils and greases. 84,296, re-renewed Nov. 21, 1951. O. G. Nov. 13. Class 15.

United American Metals Corporation, Brooklyn, N. Y. Machinery for a hoisting and dumping unit. 550,691, Nov. 13; Serial No. 580,861, published Aug. 21, 1951. Class 23.

United States Automatic Box Machinery Co., Inc., Boston and Roslindale, Boston, Mass. Package filling machines. 550,706, Nov. 13; Serial No. 586,713, published July 10, 1951. Class 23.

United States Envelope Company, Springfield, Mass. Mailing envelopes. 550,680, Nov. 13; Serial No. 578,301, published May 23, 1950. Class 37.

United States Envelope Company, Springfield, Mass. Mailing envelopes, 550,738, Nov. 13; Serial No. 593,699, published Aug. 21, 1951. Class 37.

Universal Fountain Pen & Pencil Co., assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y. Fountain pens and ink refills. 550,710, Nov. 13; Serial No. 587,293, published Aug. 7, 1951. Class 37.
Universal Fountain Pen & Pencil Co., Inc., assignee: *See*— Universal Fountain Pen & Pencil Co.
Valcort Hosiery Corporation: *See*— Lefcort Hosiery Mills, Inc.
Valentine & Company, Inc., New York, N. Y. Rubbing varnish. 550,870, Nov. 13; Serial No. 553,436. Class 16.
Vernor, James, to James Vernor Company, Detroit, Mich. Ginger-ale and ginger-ale extract. 83,107, re-renewed Aug. 15, 1951. O. G. Nov. 13. Class 45.
Vernor, James, Company: *See*— Vernor, James.
Waegemans, E., & Son, Inc., Bridgeport, Conn. Cigars. 550,786, Nov. 13; Serial No. 603,214, published July 31, 1951. Class 17.
Wamsutta Mills, New Bedford, Mass. Towels. 550,794, Nov. 13; Serial No. 603,870, published Aug. 14, 1951. Class 42.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electroplating apparatus and parts thereof. 550,851, Nov. 13; Serial No. 610,153, published Aug. 21, 1951. Class 21.
Watson Manufacturing Company, Whitehaven, Tenn., and Fulton, Ky. Combined water pumping and filtering apparatus. 550,881, Nov. 13; Serial No. 583,377. Class 23.
Wayne Garment Company, Forest City, Pa. Children's ski and snow suits. 550,631, Nov. 13; Serial No. 558,607, published July 17, 1951. Class 39.
Weinreich Brothers Co.: *See*— Weinreich, Richard E.
Weinreich Brothers Company: *See*— Weinreich, Sol. E.
Weinreich, Richard E., doing business as Weinreich Brothers Co., by Weinreich Brothers Company, New York, N. Y. Jewelry. 394,544, Apr. 14, 1942. Republished Nov. 13. Class 28.
Weinreich, Sol. E., doing business as Weinreich Brothers Company, by Weinreich Brothers Company, New York, N. Y. Jewelry. 378,943, June 25, 1940. Republished Nov. 13. Class 28.
Wells Manufacturing Corporation, Three Rivers, Mich. Metal band saw machines. 550,722, Nov. 13; Serial No. 590,205, published July 17, 1951. Class 23.
Werk, Julius N., Fabrics, Inc., New York, N. Y. Piece goods. 550,900, Nov. 13; Serial No. 601,968. Class 42.
Western Lithograph Company, The, Wichita, Kans. Mailing and correspondence envelopes, partially printed forms. 550,685, Nov. 13; Serial No. 578,907, published July 31, 1951. Class 37.
Western Stove Company, Inc., Culver City, Calif. Gas and electric ranges. 397,165, Aug. 25, 1942. Republished Nov. 13. Classes 21 and 34.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose paper. 444,600, Nov. 13; Serial No. 526,102, published July 24, 1951. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. 444,601, Nov. 13, Serial No. 526,109, published Aug. 14, 1951. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, and papeteries. 444,602, Nov. 13, Serial No. 526,120, published July 3, 1951. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and loose writing paper. 550,606, Nov. 13; Serial No. 526,078, published Aug. 7, 1951. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Partially printed account, data, or order books. 550,607, Nov. 13; Serial No. 526,083, published July 31, 1951. Class 37.
Westphal, Adolph, River Forest, Ill. Nonalcoholic, noncereal, maltless beverages. 550,684, Nov. 13; Serial No. 578,749, published July 10, 1951. Class 45.
White-Haines Optical Company, The, Columbus, Ohio. Prescription service. 550,861, Nov. 13; Serial No. 537,384, published Aug. 21, 1951. Class 103.
White-Washburne Company, Inc., Hinsdale, N. H. All kinds of toilet tissue, paper napkins and paper towels. 550,716, Nov. 13; Serial No. 589,182, published July 24, 1951. Class 37.
White-Washburne Company, Inc., Hinsdale, N. H. All kinds of toilet tissue, paper napkins and paper towels. 550,737, Nov. 13; Serial No. 593,453, published July 17, 1951. Class 37.
Wiedle, Herma C., doing business as Fancee Free Mfg. Co., assignor to Fancee Free Manufacturing Company, St. Louis, Mo. Garter belts, convertible garter belts and sanitary napkin attachments, etc. 550,616, Nov. 13; Serial No. 544,950, published Aug. 21, 1951. Class 39.
Wiesner-Rapp Company, Inc., The, Buffalo, N. Y. Milling machines, routers, profilers, etc. 550,752, Nov. 13; Serial No. 597,856, published July 3, 1951. Class 23.
Wildroot Company, Inc.: *See*— Retone Company, The.
Willys-Overland Motors, Inc., Toledo, Ohio. Internal combustion engines and parts thereof. 550,602, Nov. 13; Serial No. 458,642, published Aug. 14, 1951. Class 23.
Wine Growers Guild, Lodi, Calif. Wines. 550,679, Nov. 13; Serial No. 577,836, published July 10, 1951. Class 47.
Wisconsin Bow Hunters Association, Racine, Wis. Monthly publication. 550,907, Nov. 13; Serial No. 604,942. Class 38.
Wohl, L., & Company, Incorporated, New York, N. Y. Ladies', misses', and children's dresses. 550,645, Nov. 13; Serial No. 564,918, published Aug. 21, 1951. Class 39.
Wood, Karl, Memphis, Tenn. Nasal oils. 285,675, renewed Aug. 4, 1951. O. G. Nov. 13. Class 18.
Woodhead, Daniel, Company, Chicago, Ill. Synthetic oilproof rubber insulating compound and insulating cusings for electric equipment. 550,729, Nov. 13; Serial No. 591,914, published Aug. 7, 1951. Class 21.
Woolworth, F. W., Co., New York, N. Y. Typewriter paper and second sheets; loose leaf filler paper, loose leaf fillers, etc. 550,719, Nov. 13; Serial No. 589,543, published July 24, 1951. Class 37.
Wright, Russell L., Santa Rosa, Calif. Manipulative disk chart. 550,698, Nov. 13; Serial No. 583,419, published July 10, 1951. Class 26.
Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 550,902, Nov. 13; Serial No. 602,591. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coke. The Koppers Company. 287,948, renewed Oct. 20, 1951. O. G. Nov. 13.
Pulp or powder. International Pulp Company. 290,651, renewed Jan. 12, 1952. O. G. Nov. 13.
Pulp or powder. International Pulp Company. 290,657, renewed Jan. 12, 1952. O. G. Nov. 13.

CLASS 2

Bottles, Vacuum. The American Thermos Bottle Company. 287,277, renewed Sept. 15, 1951. O. G. Nov. 13.
Jugs, Insulated, and vacuum bottles. Knapp-Monarch Company. 290,533, renewed Jan. 5, 1952. O. G. Nov. 13.
Vessel, Metal covered. J. Di Bari. 550,872, Nov. 13; Serial No. 559,692.

CLASS 4

Floor wax, Polishing. Beaver Products Co. Limited. 550,871, Nov. 13; Serial No. 559,492.
Polish, Automobile. Karseal Corporation. 550,909, Nov. 13; Serial No. 605,659.
Polishing and cleansing material. A. R. Justice Company. 82,799, re-renewed July 25, 1951. O. G. Nov. 13.

CLASS 5

Gummed paper and fabric tapes. The Gummed Products Company. 285,479, renewed July 28, 1951. O. G. Nov. 13.
Tape, Friction. New York Insulated Wire Company. 280,229, renewed Feb. 10, 1951. O. G. Nov. 13.

CLASS 6

Alumina, activated alumina, aluminum fluorides, etc. Alcoa Ore Company. 287,312, renewed Sept. 22, 1951. O. G. Nov. 13.
Chemical for treating steam boiler water. Hagan Corporation. 285,744, renewed Aug. 4, 1951. O. G. Nov. 13.
Chlorin, hydro-chlorid acid, alkaline chlorates and chlorates, etc. Societe Des Forces Motrices Et Usines De L'Arve. 82,371, re-renewed June 20, 1951. O. G. Nov. 13.
Disinfectants. Société Française De Désinfection. 37,259, re-renewed Oct. 29, 1951. O. G. Nov. 13.
Tanning extracts. The Forestal Land, Timber and Railways Company Limited. 287,145, renewed Sept. 15, 1951. O. G. Nov. 13.
Tissue sealer. Undertakers Supply Co. 550,908, Nov. 13; Serial No. 605,381.
Waxlike substance. P. Beiersdorf & Co. Inc. 268,057, Mar. 4, 1930. Republished Nov. 13.

CLASS 8

Attachment for the mouth end of a pipe stem or cigar or cigarette holder. J. L. Barbara. 550,888, Nov. 13; Serial No. 591,343.
Cigarette paper and cigarette paper booklets. Brown & Williamson Tobacco Corporation. 285,486, July 28, 1931. Republished Nov. 13.

Cigarette paper and cigarette paper booklets. Smith Paper, Inc. 439,405, June 22, 1948. Republished Nov. 13.

CLASS 9

Revolvers. Colt's Patent Fire Arms Manufacturing Co. 285,374, renewed July 28, 1951. O. G. Nov. 13.

CLASS 11

Petroleum sulfonates for use in inks and inking materials. Stanco Incorporated. 550,625, Nov. 13; Serial No. 552,511, published Nov. 15, 1949. (Consolidated Certificate, Classes 11, 12, 15, 16, 18, and 52.)

CLASS 12

Doors. Southern California Glass Co., Inc. 550,869, Nov. 13; Serial No. 553,416.
Moulding, Aluminum and stainless steel. W. F. Heine Supply Co. 550,883, Nov. 13; Serial No. 584,767.
Petroleum sulfonates for general use in construction materials. Stanco Incorporated. 550,625, Nov. 13; Serial No. 552,509, published Oct. 18, 1949. (Consolidated Certificate, Classes 11, 12, 15, 16, 18, and 52.)
Plywood and doors. M and M Wood Working Company. 550,879, Nov. 13; Serial No. 583,045.
Rods and bars, Reinforcement. Illinois Zinc Company. 289,407, renewed Nov. 24, 1951. O. G. Nov. 13.
Windows, Prefabricated. S. J. Terry. 550,880, Nov. 13; Serial No. 583,179.

CLASS 13

Anti-skid chains. Columbus McKinnon Chain Corporation. 290,276, renewed Dec. 29, 1951. O. G. Nov. 13.
Bolts, nuts, and screws. Russell, Burdsall & Ward Bolt and Nut Co. 550,901, Nov. 13; Serial No. 602,165.
Dispensers, Hand-operated. Nea-T-Way Company. 550,890, Nov. 13; Serial No. 591,947.
Metal sewer and vent stacks; metal water pipes and couplings therefor, etc. Borg-Warner Corporation. 550,864, Nov. 13; Serial No. 522,826.

CLASS 14

Aluminum and aluminum alloys, iron and iron alloys. Societe Des Forces Motrices Et Usines De L'Arve. 82,268, re-renewed June 13, 1951. O. G. Nov. 13.
Iron and steel sheets, Zinc coated. Keystone Steel and Wire Company. 288,567, renewed Nov. 3, 1951. O. G. Nov. 13.

CLASS 15

Gasoline. Signal Oil & Gas Company. 287,715, renewed Oct. 6, 1951. O. G. Nov. 13.
Kerosene. Sinclair Refining Company. 287,716, renewed Oct. 6, 1951. O. G. Nov. 13.
Oils and greases. Sterling Oil Co. 37,230, re-renewed Oct. 22, 1951. O. G. Nov. 13.
Oils and greases, Lubricating. Sinclair Refining Company. 290,092, renewed Dec. 22, 1951. O. G. Nov. 13.
Oils and greases, Lubricating. Union Petroleum Company. 84,296, re-renewed Nov. 21, 1951. O. G. Nov. 13.
Oils and greases, Refined, semi-refined, and unrefined, lubricating greases, etc. Stanco Incorporated. 550,625, Nov. 13; Serial No. 552,512, published May 3, 1949. (Consolidated certificate, Classes 11, 12, 15, 16, 18, and 52.)

CLASS 16

Paints, Ready mixed, paint enamels, varnishes, etc. Republic Paint & Varnish Co. 550,866, Nov. 13; Serial No. 540,880.
Paints, Ready-mixed, technical and industrial finishes, etc. H. W. Polley. 444,476, Apr. 24, 1951. Republished Nov. 13.
Soluble petroleum sulfonates used as dispersing and wetting agents for coating particles in the nature of paint pigments, etc. Stanco Incorporated. 550,625, Nov. 13; Serial No. 552,508, published Feb. 21, 1950. (Consolidated certificate, Classes 11, 12, 15, 16, 18, and 52.)
Titanox, lead and zinc house paint. Republic Paint & Varnish Co. 550,857, Nov. 13; Serial No. 540,887.
Varnish, Rubbing. Valentine & Company, Inc. 550,870, Nov. 13; Serial No. 553,436.
Varnishes. The Thresher Varnish Company. 275,531, renewed Sept. 23, 1950. O. G. Nov. 13.

CLASS 17

Cigarettes. Brown & Williamson Tobacco Corporation. 550,689, Nov. 13; Serial No. 580,398, published Aug. 14, 1951.
Cigarettes. R. W. Eanes. 550,791, Nov. 13; Serial No. 603,579, published July 10, 1951.
Cigarettes. T Salamandra. 550,817, Nov. 13; Serial No. 605,118, published Aug. 14, 1951.
Cigarettes. Stephano Brothers. 550,806, Nov. 13; Serial No. 604,499, published July 10, 1951.
Cigars. Salvador Rodriguez, Inc. 290,339, renewed Jan. 5, 1951. O. G. Nov. 13.
Cigars. E. Waegemans & Son, Inc. 550,786, Nov. 13; Serial No. 603,214, published July 31, 1951.
Cigars and cheroots. The S. Frieder & Sons Company. 550,667, Nov. 13; Serial No. 573,936, published Aug. 14, 1951.
Tobacco, Chewing, smoking tobacco, snuff tobacco, etc. Austria Tabakwerke Aktiengeselischaft vorm. Oesterreichische Tabakregie. 550,659, Nov. 13; Serial No. 570,469, published July 10, 1951.

CLASS 18

Base for ointments. P. Beiersdorf & Co. Inc. 198,807, May 26, 1925. Republished Nov. 13.
Base for ointments. P. Beiersdorf & Co. Inc. 292,346, Mar. 15, 1932. Republished Nov. 13.
Glycerine tablets. Pine Bros. Inc. 550,915–16, Nov. 13; Serial Nos. 611,808–9.
Hematinic tonic. Chicago Pharmacal Company. 400,902, Apr. 6, 1943. Republished Nov. 13.
Lactoalbuminous solution. P. Beiersdorf & Co. Inc. 151,673, Feb. 14, 1922. Republished Nov. 13.
Medicinal preparation, Myers Remedy Company. 289,475, renewed Dec. 1, 1951. O. G. Nov. 13.
Mineral oil, White, for medicinal, pharmaceutical, and veterinary purposes; etc. Stanco Incorporated. 550,625, Nov. 13; Serial No. 552,513, published Feb. 14, 1950. (Consolidated certificate, Classes 11, 12, 15, 16, 18, and 52.)
Nasal oils. K. Wood. 285,675, renewed Aug. 4, 1951. O. G. Nov. 13.
Remedy for catarrhal disorders. Minneapolis Drug Company. 82,812, re-renewed July 25, 1951. O. G. Nov. 13.
Wound dressing. P. Beiersdorf & Co. Inc. 187,623, Aug. 5, 1924. Republished Nov. 13.

CLASS 21

Antenna, Television. L. S. Brach Manufacturing Corporation. 550,626, Nov. 13; Serial No. 554,359, published June 19, 1951.
Antennas, Indoor. Hi-Lo TV Antenna Corp. 550,833, Nov. 13; Serial No. 606,426, published Aug. 21, 1951.
Arc welding electrode holders, ground clamps and cable connectors. Erico Products, Inc. 550,853, Nov. 13; Serial No. 610,263, published Aug. 21, 1951.
Battery boxes, Wet storage, and covers and vent caps therefor. Pacific Hard Rubber Company. 550,750, Nov. 13; Serial No. 597,541, published Aug. 7, 1951.
Cooking units for electric ranges, Deep well. Detroit-Michigan Stove Company. 550,759, Nov. 13; Serial No. 599,085, published Aug. 7, 1951.
Electric blankets, electric sheets, and electric mattress pads. Electric Parts Corporation. 550,850, Nov. 13; Serial No. 610,122, published Aug. 21, 1951.
Electric hoists. American Chain & Cable Company, Inc. 550,675, Nov. 13; Serial No. 576,838, published Aug. 7, 1951.
Electrical boxes, concrete rings, covers and plates, etc. All-Steel Equipment Inc. 550,621, Nov. 13; Serial No. 548,774, published Mar. 13, 1951.
Electrical device. St. Louis Lightning Protection Co. 550,852, Nov. 13; Serial No. 610,190, published Aug. 21, 1951.
Electrical device. P. H. Spano. 550,662, Nov. 13; Serial No. 571,298, published Aug. 14, 1951.
Electrical devices. Knapp-Monarch Company. 290,497, renewed Jan. 5, 1952. O. G. Nov. 13.
Electrical goods. Knapp-Monarch Company. 290,554, renewed Jan. 12, 1952. O. G. Nov. 13.
Electrical portable floor machines. Holt Manufacturing Company. 550,658, Nov. 13; Serial No. 570,204, published Aug. 14, 1951.
Electrical portable floor machines. Holt Manufacturing Company. 550,682–3, Nov. 13; Serial Nos. 578,502–3, published Aug. 14, 1951.
Electrically controlled choke device. The Pierce Governor Company, Inc. 550,774, Nov. 13; Serial No. 601,689, published Aug. 21, 1951.
Electrically heated, mechanically operated machines. Nelo-Therm Co. Inc. 550,633, Nov. 13; Serial No. 559,726, published Aug. 7, 1951.
Electrically operated, ultraviolet ray, air-sterilizing devices. A. R. Simeone. 550,756, Nov. 13; Serial No. 598,436, published Aug. 14, 1951.
Electroplating apparatus and parts thereof. Ward Leonard Electric Company. 550,851, Nov. 13; Serial No. 610,153, published Aug. 21, 1951.
Fans, Electric. M. G. Fettel. 550,847, Nov. 13; Serial No. 609,405, published Aug. 7, 1951.
Heaters, Electric water. Fowler Manufacturing Company. 550,647, Nov. 13; Serial No. 566,073, published Aug. 7, 1951.
Heating unit, Electric. Dampp-Chaser, Inc. 550,744, Nov. 13; Serial No. 595,874, published Aug. 21, 1951.
Lanterns, Indoor and outdoor electric. Artolier Corp. 550,830, Nov. 13; Serial No. 606,357, published Aug. 7, 1951.
Mercury-vapor current rectifiers and inverters. Ateliers de Constructions Electriques de Charleroi. 550,637, Nov. 13; Serial No. 559,985, published May 30, 1950.
Motors, dynamos, generators, etc., Electric. Moravské Elektrotechnické Zavody, Národní Podnik. 550,733, Nov. 13; Serial No. 592,718, published Aug. 14, 1951.
Photographic, photoengraving, and photomechanical supplies. Chemco Photoproducts Company, Inc. 550,672, Nov. 13; Serial No. 575,841, published Aug. 7, 1951.
Radio and television receiving and transmitting apparatus and parts thereof. Radio-Television Manufacturers Association. 550,863, Nov. 13; Serial No. 610,337, published Aug. 21, 1951.

Ranges, Gas and electric. Western Stove Company, Inc. 397,165, Aug. 25, 1942. Republished Nov. 13.
Street lighting luminaires. Joslyn Mfg. and Supply Co. 550,646, Nov. 13; Serial No. 566,037, published Aug. 14, 1951.
Synthetic oil-proof rubber insulating compound and insulating casings for electrical equipment. Daniel Woodhead Company. 550,729, Nov. 13; Serial No. 591,914, published Aug. 7, 1951.
Television and automotive antennae and television antenna electrical rotating devices or units. Cornell-Dubilier Electric Corporation. 550,790, Nov. 13; Serial No. 603,575, published Aug. 7, 1951.
Ultra-violet ray apparatus. Midwest Naturlite Co. 550,831, Nov. 13; Serial No. 606,386, published Aug. 7, 1951.
Vacuum cleaners, etc., Electrical. National Super Service Co., Inc. 550,771, Nov. 13; Serial No. 600,967, published Aug. 21, 1951.

CLASS 23

Brake parts. C. A. Samuel. 550,652, Nov. 13; Serial No. 568,452, published July 17, 1951.
Button feeding machines and parts thereof. Emsig Manufacturing Co. 550,686, Nov. 13; Serial No. 579,811, published July 31, 1951.
Carbon plugs and graphite stool inserts. Union Carbide and Carbon Corporation. 550,745, Nov. 13; Serial No. 596,057, published Aug. 14, 1951.
Carving sets, hammers, hatchets, and axes. Butler Brothers. 550,651, Nov. 13; Serial No. 567,496, published July 31, 1951.
Cloth pilers, rag cutters; paper and textile finishing machinery. B. F. Perkins & Son, Inc. 550,650, Nov. 13; Serial No. 567,090, published July 24, 1951.
Coating spraying apparatus, Confectionary. Ice Cream Developers Inc. 550,843, Nov. 13; Serial No. 607,329, published Aug. 7, 1951.
Diamond bits. Sprague & Henwood, Incorporated. 550,848, Nov. 13; Serial No. 609,887, published July 3, 1951.
Display and storage cabinet and workbench for automotive supplies. Lincoln Engineering Company. 550,604, Nov. 13; Serial No. 518,841, published July 31, 1951.
Engines and parts thereof, Rocket. Reaction Motors, Inc. 550,670, Nov. 13; Serial No. 574,924, published Aug. 21, 1951.
Engines, Internal combustion, and parts thereof. Willys-Overland Motors, Inc. 550,602, Nov. 13; Serial No. 458,642, published Aug. 14, 1951.
Foundry equipment. Atlas Plastic & Aluminum Pressure Plate Company. 550,677, Nov. 13; Serial No. 577,309, published Aug. 7, 1951.
Gear grinding and cutting machines. Gleason Works. 550,767, Nov. 13; Serial No. 599,941, published July 31, 1951.
Hammer drill bits. New England Carbide Tool Co., Inc. 550,857, Nov. 13; Serial No. 610,986, published July 24, 1951.
Hand stamps. The National Cash Register Company. 550,845, Nov. 13; Serial No. 608,881, published July 3, 1951.
Harrows. The Cutaway Harrow Company. 25,802, Jan. 1, 1895. Amended. O. G. Nov. 13.
Harrows. The Cutaway Harrow Company. 25,802, Jan. 1, 1895. New certificate. O. G. Nov. 13.
Harrows, cultivators, edged disks, etc. The Cutaway Harrow Company. 207,150, Dec. 22, 1925. Amended. O. G. Nov. 13.
Harrows, cultivators, edged disks. The Cutaway Harrow Company. 207,150, Dec. 22, 1925. New certificate. O. G. Nov. 13.
Industrial grinding mills, mixers, etc. Morehouse Industries. 550,727, Nov. 13; Serial No. 591,689, published July 3, 1951.
Internal combustion engines, complete industrial power units, etc. Continental Motors Corporation. 550,656, Nov. 13; Serial No. 569,823, published July 17, 1951.
Lawn mowers, power mowers, tractors, etc. Jacobsen Manufacturing Company. 550,855, Nov. 13; Serial No. 610,740, published July 24, 1951.
Lubricating apparatus. C. F. Clure. 550,643, Nov. 13; Serial No. 563,312, published June 19, 1951.
Lubricating pump, Stationary and portable. Lincoln Engineering Company. 550,725, Nov. 13; Serial No. 591,040, published Aug. 21, 1951.
Lug straps, check straps, silk pickers, etc. E. H. Jacobs Manufacturing Co., Inc. 550,629, Nov. 13; Serial No. 557,136, published Aug. 21, 1951.
Machine for opening, sealing, and stamping mail. Commercial Controls Corporation. 550,788, Nov. 13; Serial No. 603,436, published July 24, 1951.
Machinery for a hoisting and dumping unit. United American Metals Corporation. 550,691, Nov. 13; Serial No. 580,861, published Aug. 21, 1951.
Machines for advancing continuous lengths of flexible material. Rodney Hunt Machine Company. 550,644, Nov. 13; Serial No. 564,816, published July 17, 1951.
Machines for shaving sound record tablets, etc. Thomas A. Edison, Incorporated. 290,521, renewed Jan. 5, 1952. O. G. Nov. 13.
Mechanical presses. The V. D. Anderson Company. 550,717, Nov. 13; Serial No. 589,190, published July 24, 1951.
Milker units and parts thereof, vacuum pumps and air compressing pumps and equipment, etc. Babson Bros. Co. 550,608, Nov. 13; Serial No. 526,551, published June 19, 1951.
Milling and boring cutters. The Ingersoll Milling Machine Company. 550,721, Nov. 13; Serial No. 590,085, published Aug. 14, 1951.
Milling machines, routers, profilers, etc. The Wiesner-Rapp Company, Inc. 550,752, Nov. 13; Serial No. 597,856, published July 3, 1951.
Opening, scutching, carding, etc., machinery. Nuclotex Limited. 550,754, Nov. 13; Serial No. 598,031, published July 3, 1951.
Package filling machines. United States Automatic Box Machinery Co., Inc. 550,706, Nov. 13; Serial No. 586,713, published July 10, 1951.
Pencil sharpeners and parts therefor. Spengler-Loomis Manufacturing Company. 550,660, Nov. 13; Serial No. 571,171, published July 24, 1951.
Power shovel and scoop apparatus, and post driver. Ottawa Steel Products, Inc. 550,665, Nov. 13; Serial No. 573,094, published Aug. 21, 1951.
Power vacuum machines. Speedy Manufacturing Company. 550,726, Nov. 13; Serial No. 591,590, published July 31, 1951.
Printing machines. New Jersey Machine Corporation. 411,858, Feb. 6, 1945. Republished Nov. 13.
Pumping and filtering apparatus, Combined water. Watson Manufacturing Company. 550,881, Nov. 13; Serial No. 583,377.
Roller mill machinery. J. M. Lehmann Company, Inc. 550,809, Nov. 13; Serial No. 604,535, published July 31, 1951.
Rotary joints and mounting flanges therefor. The Johnson Corporation. 550,649, Nov. 13; Serial No. 566,837, published July 31, 1951.
Saw machines, Metal band. Wells Manufacturing Corporation. 550,722, Nov. 13; Serial No. 590,205, published July 17, 1951.
Sewing machine heads. Globe Machine Company. 550,815, Nov. 13; Serial No. 604,889, published July 3, 1951.
Shears and scissors. The Acme Shear Company. 550,741, Nov. 13; Serial No. 595,041, published July 17, 1951.
Shears and scissors, All purpose. The Henkel-Clauss Company. 550,874, Nov. 13; Serial No. 563,119.
Tool joints. Hughes Tool Company. 550,895, Nov. 13; Serial No. 597,399.
Tool tips and dies, Tungsten carbide. Adamas Carbide Corporation. 550,854, Nov. 13; Serial No. 610,653, published Aug. 21, 1951.
Tools, Machine and woodworking. C. L. Janik. 550,856, Nov. 13; Serial No. 610,848, published Aug. 21, 1951.
Traction field dusters. H. D. Hudson Manufacturing Company. 550,849, Nov. 13; Serial No. 610,070, published July 24, 1951.
Water supply systems, pump cylinders and pump valves. Sears, Roebuck and Co. 550,623, Nov. 13; Serial No. 550,448, published July 10, 1951.
Weeding machines. Calkins Manufacturing Company. 550,634, Nov. 13; Serial No. 559,831, published July 10, 1951.
Well drilling machines and parts therefor. The Star Drilling Machine Company. 550,760, Nov. 13; Serial No. 599,397, published Aug. 14, 1951.
Wooden spoons and wooden forks. The Diamond Match Company. 550,715, Nov. 13; Serial No. 588,284, published July 10, 1951.

CLASS 24

Laundry folding machines. American Machine and Metals, Inc. 550,914, Nov. 13; Serial No. 607,409.

CLASS 26

Battery testers and battery hydrometers. Grant Storage Battery Company. 550,730, Nov. 13; Serial No. 592,146, published July 10, 1951.
Chart, Manipulative disk. R. L. Wright. 550,698, Nov. 13; Serial No. 583,419, published July 10, 1951.
Gauges, headlight testing apparatus, etc. Kent-Moore Organization, Inc. 550,676, Nov. 13; Serial No. 577,125, published July 10, 1951.
Lens attachment, Optical. Photo Research Corp. 550,671, Nov. 13; Serial No. 575,016, published July 10, 1951.
Lenses. B. H. Quint. 550,742, Nov. 13; Serial No. 595,330, published June 26, 1951.
Lenses for photographic apparatus, Coated. Ercona Camera Corporation. 550,832, Nov. 13; Serial No. 606,418, published Aug. 14, 1951.
Meters and parts thereof, Liquid. Buffalo Meter Company. 550,622, Nov. 13; Serial No. 549,359, published Nov. 8, 1950.
Photographic slides. Society for Visual Education, Inc. 550,743, Nov. 13; Serial No. 595,423, published June 26, 1951.
Scales, Weighing. H. A. Hadley Associates, Incorporated. 550,751, Nov. 13; Serial No. 597,609, published July 10, 1951.

Series of motion picture animated cartoons. Terrytoons, Inc. 550,673, Nov. 13; Serial No. 576,082, published July 10, 1951.

CLASS 27

Watches. Bulova Watch Company, Inc. 289,416, renewed Nov. 24, 1951. O. G. Nov. 13.
Watches. Bulova Watch Company, Inc. 289,419, renewed Nov. 24, 1951. O. G. Nov. 13.
Watches, watch cases, and watch movements. The Gruen Watch Company. 550,903, Nov. 13; Serial No. 602,688.
Watches, watch cases, and watch movements. The Gruen Watch Company. 550,904, Nov. 13; Serial No. 602,691.
Watches, Wrist and pocket. M. Robbin. 550,913, Nov. 13; Serial No. 606,982.

CLASS 28

Bracelets. Bulova Watch Company, Inc. 288,966, renewed Nov. 10, 1951. O. G. Nov. 13.
Jewelry. E. Cain. 285,142, renewed July 14, 1951. O. G. Nov. 13.
Jewelry. E. F. M. Speidel. 290,416, renewed Jan. 5, 1952. O. G. Nov. 13.
Jewelry. S. E. Weinreich. 378,943, June 25, 1940. Republished Nov. 13.
Jewelry. R. E. Weinreich. 394,544, Apr. 14, 1942. Republished Nov. 13.

CLASS 29

Brushes, Hat, derby wipers, etc. Dobbs & Co. 274,657, Sept. 2, 1930. Amended. O. G. Nov. 13.

CLASS 31

Defroster, Automatic hot gas. Larkin Coils, Inc. 550,757, Nov. 13; Serial No. 598,801, published Aug. 21, 1951.
Filter units, elements, or cartridges. Filters, Incorporated. 550,826, Nov. 13; Serial No. 606,139, published Aug. 21, 1951.
Refrigerated receptacle, Revolving multiple-locker warm room. M. W. Piggott. 550,842, Nov. 13; Serial No. 606,948, published Aug. 21, 1951.
Refrigerators. The Coolerator Company. 550,859, Nov. 13; Serial No. 615,002, published Aug. 21, 1951.

CLASS 32

Bedroom suites. Sandhill Furniture Corporation. 550,876, Nov. 13; Serial No. 575,441.
Furniture, Bedroom. S. R. Hungerford Company, Incorporated. 550,906, Nov. 13; Serial No. 604,638.
Furniture, Household. Hosken, Inc. 550,905, Nov. 13; Serial No. 603,013.
Mattresses. L. J. Goldsmith. 550,887, Nov. 13; Serial No. 590,745.
Racks, Display, and storage racks. John H. Best & Sons, Inc. 550,699, Nov. 13; Serial No. 583,515, published Aug. 7, 1951.
Slip-covers, Ready-made. Sure-Fit Products Company. 550,868, Nov. 13; Serial No. 541,976.
Window shades. The Columbia Mills, Inc. 550,894, Nov. 13; Serial No. 597,386.

CLASS 34

Burners, Oil. Gilbert & Barker Manufacturing Company. 285,242, renewed July 21, 1951. O. G. Nov. 13.
Ranges, Gas and electric. Western Stove Company, Inc. 397,165, Aug. 25, 1942. Republished Nov. 13.

CLASS 36

Phonograph records, Mechanically grooved. Celtic Record Company, Inc. 550,891, Nov. 13; Serial No. 592,305.

CLASS 37

Account, data, or order books, Partially printed. Western Tablet & Stationery Corporation. 550,607, Nov. 13; Serial No. 526,083, published July 31, 1951.
Albums, Autograph. P. F. Petersen. 550,688, Nov. 13; Serial No. 580,203, published Aug. 7, 1951.
Albums, Photograph, autograph and scrap books. W. Boyd. 550,825, Nov. 13; Serial No. 606,131, published July 24, 1951.
Bowling score sheets. Grove City Corporation. 550,812, Nov. 13; Serial No. 604,632, published Aug. 7, 1951.
Coin cards. Flower City Specialty Company. 550,785, Nov. 13; Serial No. 603,188, published July 24, 1951.
Containers or holders containing packs of facial tissue. Monarch Governor Company. 550,640, Nov. 13; Serial No. 561,575, published Aug. 7, 1951.
Crayons and chalks. Milton Bradley Company. 550,753, Nov. 13; Serial No. 597,871, published July 17, 1951.
Decorative cards, Blank miniature. Bank Craft Designers, Inc. 550,663, Nov. 13; Serial No. 571,890, published July 31, 1951.
Envelopes, Mailing. United States Envelope Company. 550,680, Nov. 13; Serial No. 578,301, published May 23, 1950.
Envelopes, Mailing. United States Envelope Company. 550,738, Nov. 13; Serial No. 593,699, published Aug. 21, 1951.
Envelopes, Mailing and correspondence. The Alling & Cory Company. 550,687, Nov. 13; Serial No. 580,172, published July 24, 1951.
Envelopes, Mailing and correspondence, partially printed forms. The Western Lithograph Company. 550,685, Nov. 13; Serial No. 578,907, published July 31, 1951.
Folders, Stationery, guide cards, tabs, etc. Roneo Limited. 550,723, Nov. 13; Serial No. 590,284, published July 10, 1951.
Fountain pen desk sets. C. E. Laue. 550,746, Nov. 13; Serial No. 596,171, published July 17, 1951.
Index tabs. Cel-U-Dex Corporation. 550,755, Nov. 13; Serial No. 598,064, published July 17, 1951.
Loose leaf books. H. Smolin. 550,797, Nov. 13; Serial No. 604,107, published Aug. 7, 1951.
Memo pads, desk calendars, paper weights, etc. Syracuse Ornamental Co., Inc. 550,611, Nov. 13; Serial No 538,826, published July 17, 1951.
Paper. General Laminating Inc. 550,736, Nov. 13; Serial No. 593,168, published Aug. 21, 1951.
Paper backed, aluminum foil, vermin-protective covers, etc. Cochran Foil Company, Incorporated. 550,792, Nov. 13; Serial No. 603,766, published Aug. 7, 1951.
Paper, Bactericidal soda straw wrap. Ecusta Paper Corporation. 550,793, Nov. 13; Serial No. 603,775 published July 10, 1951.
Paper, Bactericidal soda straw wrap. Ecusta Paper Corporation. 550,795, Nov. 13; Serial No. 603,878, published July 10, 1951.
Paper, Bactericidal soda straw wrap. Ecusta Paper Corporation. 550,823, Nov. 13, Serial No. 605,787, published July 10, 1951.
Paperboard, Bleached kraft. International Paper Company. 550,824, Nov. 13; Serial No. 606,018, published July 24, 1951.
Paper, Bond. N. H. Kristel. 550,724, Nov. 13; Serial No. 590,897, published Aug. 7, 1951.
Paper, Bond. The McBee Company. 550,618, Nov. 13; Serial No. 545,679, published Aug. 14, 1951.
Paper, Bond, onion skin paper, paper filing folders, etc. Legal Stationery Co., Inc. 550,828, Nov. 13; Serial No. 606,152, published Aug. 21, 1951.
Paper cleaning swabs, Disposable. L. B. Farrell. 550,819, Nov. 13; Serial No. 605,413, published Aug. 7, 1951.
Paper, Coated. Consolidated Water Power & Paper Company. 550,747, Nov. 13; Serial No. 596,559, published July 17, 1951.
Paper, Coated. St. Regis Paper Company. 550,712, Nov. 13; Serial No. 587,823, published July 31, 1951.
Paper, Coated. Standard Cap and Seal Corporation. 550,705, Nov. 13; Serial No. 586,437, published July 17, 1951.
Paper, Light weight printing and correspondence, etc. Schlosser Paper Corporation. 550,813, Nov. 13; Serial No. 604,747, published July 24, 1951.
Paper in sheet form. Nashua Gummed and Coated Paper Company. 550,642, Nov. 13; Serial No. 563,210, published Aug. 21, 1951.
Paper, Kraft, cover paper, glassine paper, etc. E. W. Twitchell, Incorporated. 550,814, Nov. 13; Serial No. 604,826, published July 31, 1951.
Paper, Loose. Western Tablet & Stationery Corporation. 544,600, Nov. 13; Serial No. 526,102, published July 24, 1951.
Paper, Opaque shelf, and drawer lining paper. Royal Lace Paper Works, Inc. 550,692, Nov. 13; Serial No. 581,018, published Aug. 14, 1951.
Paper, Packing and liner. Straubel Paper Company. 550,835, Nov. 13; Serial No. 606,576, published July 31, 1951.
Paper place mats and paper table cloths. Central Paper Company, Inc. 550,627, Nov. 13; Serial No. 554,765, published Oct. 3, 1950.
Paper products. The M. Conley Company. 550,734, Nov. 13, Serial No. 591,761, published Aug. 21, 1951.
Paper rolls, Waterproof, greaseproof paper rolls, reinforced paper stock, etc. Protective Papers, Inc. 550,609, Nov. 13; Serial No. 537,355, published July 17, 1951.
Paper rolls, Waterproof, greaseproof paper rolls, reinforced paper stock, etc. Protective Papers, Inc. 550,610, Nov. 13; Serial No. 537,358, published July 17, 1951.
Paper, Safety. George La Monte & Son. 550,731, Nov. 13; Serial No. 592,265, published July 10, 1951.
Paper tablets. Western Tablet & Stationery Corporation. 444,601, Nov. 13; Serial No. 526,109, published Aug. 14, 1951.
Paper tablets and loose writing paper. Western Tablet & Stationery Corporation. 550,606, Nov. 13; Serial No. 526,078, published Aug. 7, 1951.
Paper tablets, and papeteries. Western Tablet & Stationery Corporation. 444,602, Nov. 13; Serial No. 526,120, published July 3, 1951.
Paper tissue products, Creped. Kimberly-Clark Corporation. 550,810, Nov. 13; Serial No. 604,582, published Aug. 21, 1951.
Paper toilet seat covers, paper garment hanger covers, paper garment protectors, etc. Protecto Products Co., Inc. 550,674, Nov. 13; Serial No. 576,228, published July 17, 1951.

Paper towels, paper facial tissue, paper napkins, etc. Sterling Pulp & Paper Company. 550,787, Nov. 13; Serial No. 603,316, published July 3, 1951.
Paper, Typewriter. Southworth Company. 550,713, Nov. 13; Serial No. 588,188, published July 24, 1951.
Paper, Typewriter, and second sheets; loose leaf filler paper, loose leaf fillers, etc. F. W. Woolworth Co. 550,719, Nov. 13; Serial No. 589,543, published July 24, 1951.
Paper, Wall. W. Boyd. 550,839, Nov. 13; Serial No. 606,647, published July 31, 1951.
Paper, Waxed. Sterling Pulp & Paper Company. 550,783, Nov. 13; Serial No. 602,724, published July 24, 1951.
Paper, Waxed, facial tissues and shelf paper. Comfort Paper Corporation. 550,784, Nov. 13; Serial No. 603,113, published July 3, 1951.
Paper, Wrapping. Orchard Paper Co. 550,802–4, Nov. 13; Serial Nos. 604,317–19, published Aug. 17, 1951.
Paper, Wrapping. Orchard Paper Co. 550,816, Nov. 13; Serial No. 605,048, published Aug. 21, 1951.
Paper, Writing. Montag Brothers, Inc. 550,605, Nov. 13; Serial No. 519,680, published July 17, 1951.
Paper, Writing, and envelopes. George B. Hurd, Inc. 550,619, Nov. 13; Serial No. 546,101, published Aug. 21, 1951.
Paper, Writing, and mailing and correspondence envelopes. Decor-Note Company. 550,630, Nov. 13; Serial No. 558,016, published Aug. 21, 1951.
Partially printed forms and order form mailing cards. S. E. Norcross. 550,648, Nov. 13; Serial No. 566,358, published July 24, 1951.
Partially printed ruled forms. Battle Creek Letter Shop. 550,681, Nov. 13; Serial No. 578,479, published July 3, 1951.
Pen points. Gregory Fount-O-Ink Company. 550,818, Nov. 13; Serial No. 605,159, published July 24, 1951.
Pencils, Lead. Telu Enterprises, Inc. 550,829, Nov. 13; Serial No. 606,183, published July 24, 1951.
Pens, Ball point. Ferber Corporation. 550,840, Nov. 13; Serial No. 606,704, published July 31, 1951.
Pens, Fountain. W. Boyd. 550,858, Nov. 13; Serial No. 611,258, published July 31, 1951.
Pens, Fountain. Ferber Corporation. 550,613, Nov. 13; Serial No. 541,274, published July 31, 1951.
Pens, Fountain, and ink refills. Universal Fountain Pen & Pencil Co. 550,710, Nov. 13; Serial No. 587,293, published Aug. 7, 1951.
Pens, Fountain, and mechanical pencils. Sears, Roebuck and Co. 550,615, Nov. 13; Serial No. 544,774, published July 17, 1951.
Pens, pencils, and pen and pencil sets. Klik Promotions, Inc. 550,822, Nov. 13; Serial No. 605,389, published July 24, 1951.
Stencil blanks and stencils prepared therefrom. Times Facsimile Corporation. 550,807, Nov. 13; Serial No. 604,500, published July 24, 1951.
Stencil sheets, stencil typing film, stencil correction fluid, etc. A. B. Dick Company. 550,779, Nov. 13; Serial No. 602,380, published July 3, 1951.
Tissue, paper napkins and paper towels. All kinds of toilet. White-Washburne Company, Inc. 550,716, Nov. 13; Serial No. 589,182, published July 24, 1951.
Tissue, paper napkins and paper towels. All kinds of toilet. White-Washburne Company, Inc. 550,737, Nov. 13; Serial No. 593,453, published July 17, 1951.
Tissue, Facial and wiping. Sitroux Importing Co., Inc. 281,482, renewed Mar. 17, 1951. O. G. Nov. 13.
Tissue, Toilet. The Diamond Match Company. 550,714, Nov. 13; Serial No. 588,283, published Aug. 14, 1951.
Tissue, Toilet. R. H. Macy & Co., Inc. 550,762, Nov. 13; Serial No. 599,442, published July 24, 1951.
Tissue, Toilet, paper towels, paper napkins, etc. National Paper Corporation of Pennsylvania. 550,669, Nov. 13; Serial No. 574,721, published Aug. 14, 1951.
Tissues, Cleansing. Doeskin Products, Inc. 550,720, Nov. 13; Serial No. 589,774, published July 31, 1951.
Tissues, Cleansing. Sitroux Incorporated. 550,796, Nov. 13; Serial No. 603,898, published July 3, 1951.

CLASS 38

Column in a newspaper publication. Parade Publication, Inc. 550,703, Nov. 13; Serial No. 585,808, published Aug. 21, 1951.
Greeting cards. F. M. Slavic. 550,740, Nov. 13; Serial No. 594,923, published Aug. 21, 1951.
Magazine. Chrysler Corporation. 550,834, Nov. 13; Serial No. 606,454, published Aug. 21, 1951.
Magazine. Ziff-Davis Publishing Company. 550,902, Nov. 13; Serial No. 602,391.
Magazine, Monthly. Temas Corp. 550,836, Nov. 13; Serial No. 606,577, published Aug. 21, 1951.
Magazines. Friends of The Land. 550,841, Nov. 13; Serial No. 606,769, published Aug. 21, 1951.
Printed tickets. Globe Ticket Company. 550,892, Nov. 13; Serial No. 593,088.
Publication. Harvey and Howe, Inc. 550,728, Nov. 13; Serial No. 591,726, published Aug. 21, 1951.
Publication, Monthly. Farmers Hybrid Seed Corn Company. 550,899, Nov. 13; Serial No. 600,038.
Publication, Monthly. Wisconsin Bow Hunters Association. 550,907, Nov. 13; Serial No. 604,942.
Publication, Periodical. Advance Pattern Co., Inc. 550,875, Nov. 13; Serial No. 574,561.
Publication, Weekly. Southern Churchman Publishing Company. 550,884, Nov. 13; Serial No. 585,399.
Publications, Periodical. The Bureau of National Affairs, Inc. 550,898, Nov. 13; Serial No. 599,362.
Publications, Periodical. Kennedy Sinclaire, Inc. 550,886, Nov. 13; Serial No. 587,806.
Publications, Printed. The Institute of Social Order of the Society of Jesus. 550,820, Nov. 13; Serial No. 605,483, published Aug. 21, 1951.
Sheet music. P. Barrett. 550,664, Nov. 13; Serial No. 572,822, published Aug. 21, 1951.
Title for a column in a periodical. Street & Smith Publications, Inc. 550,758, Nov. 13; Serial No. 598,816, published Aug. 21, 1951.

CLASS 39

Apparel, Nurses'. Marvin-Neitzel Corporation. 550,654, Nov. 13; Serial No. 568,854, published Aug. 21, 1951.
Belts and neckties. Gemsco, Inc. 550,827, Nov. 13; Serial No. 606,142, published Aug. 21, 1951.
Blouses, skirts, and dresses, Women's. B. J. Cater. 550,718, Nov. 13; Serial No. 589,428, published Aug. 21, 1951.
Clothing, Men's. Eagle Clothes, Inc. 550,707, Nov. 13; Serial No. 587,144, published Aug. 21, 1951.
Coats, Children's. Scher & Feldman, Inc. 550,781, Nov. 13; Serial No. 602,571, published Aug. 21, 1951.
Coats, Junior. Gordon Bros. 550,770, Nov. 13; Serial No. 600,665, published Aug. 21, 1951.
Coats, Men's and boys'. Gary-Allen Sportswear Company. 550,702, Nov. 13; Serial No. 584,533, published Aug. 21, 1951.
Dresses, dress ensembles, consisting of dress and jacket, Ladies'. Packard Dresses, Inc. 550,877, Nov. 13; Serial No. 577,585.
Dresses, Ladies'. Majestic Frocks. 550,701, Nov. 13; Serial No. 584,068, published Aug. 21, 1951.
Dresses, Ladies', misses', and children's. L. Wohl & Company, Incorporated. 550,645, Nov. 13; Serial No. 564,918, published Aug. 21, 1951.
Full dress suits and dress topcoats and overcoats, Men's. House of Worsted-Tex, Inc. 550,780, Nov. 13; Serial No. 602,401, published Aug. 21, 1951.
Garter belts, convertible garter belts, and sanitary napkin attachments, etc. H. C. Wiedle. 550,616, Nov. 13; Serial No. 544,950, published Aug. 21, 1951.
Gloves. Fownes Bros. & Co. Inc. 550,873, Nov. 13; Serial No. 560,877.
Gloves, Fabric. K. Dodge. 550,882, Nov. 13; Serial No. 583,641.
Handkerchiefs. Crown Handkerchief, Inc. 550,766, Nov. 13; Serial No. 599,932, published Aug. 21, 1951.
Hosiery. Chas. Chipman's Sons. 83,393, re-renewed Sept. 12, 1951. O. G. Nov. 13.
Hosiery, Ladies'. Lefcort Hosiery Mills, Inc. 356,437, Apr. 26, 1938. Republished Nov. 13.
Hosiery, Ladies', men's, and children's. Knit Products Corporation. 286,495, renewed Sept. 1, 1951. O. G. Nov. 13.
Jackets, Men's and boys'. Amco Athletic Apparel Corp. 550,761, Nov. 13; Serial No. 599,407, published Aug. 21, 1951.
Lingerie, Women's. Milco Undergarment Co. Inc. 550,603, Nov. 13; Serial No. 510,525, published Aug. 21, 1951.
Overalls. Phillips-Lester Manufacturing Company, Inc. 550,704, Nov. 13; Serial No. 586,062, published Aug. 21, 1951.
Overalls, dungarees, pants, etc., Men's, boys' and children's. Anvil Brand, Incorporated. 550,777, Nov. 13; Serial No. 602,183, published Aug. 21, 1951.
Overalls, dungarees, etc., Men's, boys' and children's. Anvil Brand, Incorporated. 550,782, Nov. 13; Serial No. 602,668, published Aug. 21, 1951.
Overcoats, topcoats, and suits for men and young men. Eagle Clothes, Inc. 550,708, Nov. 13; Serial No. 587,146, published Aug. 21, 1951.
Shirts, Men's and boys' outer. W. A. Riggs. 550,620, Nov. 13; Serial No. 548,610, published Aug. 21, 1951.
Ski and snow suits, Children's. Wayne Garment Company. 550,631, Nov. 13; Serial No. 558,607, published July 17, 1951.
Slips, girdles, panties, petticoats, etc. Quest-Shon Mark Brassière Co., Inc. 550,661, Nov. 13; Serial No. 571,233, published Aug. 21, 1951.
Snow suits, Boys' and girls'. Simon & Mogilner. 550,617, Nov. 13; Serial No. 545,654, published July 24, 1951.
Suits and trousers, Men's. A. Sagner's Son. 550,678, Nov. 13; Serial No. 577,345, published Aug. 21, 1951.
Suits, pants, overcoats, etc., Men's and boys'. Bond Stores, Incorporated. 550,711, Nov. 13; Serial No. 587,708, published Aug. 21, 1951.
Trousers, Work, and work shirts. Oberman & Company. 550,641, Nov. 13; Serial No. 562,727, published Aug. 21, 1951.
Underwear, children's waist suits. The B. V. D. Company, Inc. 286,115, renewed Aug. 18, 1951. O. G. Nov. 13.
Underwear, Knitted. S. Handal & Sons, Inc. 550,838, Nov. 13; Serial No. 606,608, published Aug. 21, 1951.
Underwear, Ladies'. Carson Pirie Scott & Co. 286,138, renewed Aug. 18, 1951. O. G. Nov. 13.

Wearing apparel, Ladies'. Dutchess Underwear Corporation. 550,748, Nov. 13; Serial No. 597,139, published Aug. 21, 1951.

CLASS 41

Canes, umbrellas, walking sticks, etc. Dobbs & Co. 279,378, Jan. 13, 1931. Amended. O. G. Nov. 13.

CLASS 42

Blankets. Lebanon Woolen Mills, Inc. 550,799, Nov. 13; Serial No. 604,310, published Aug. 14, 1951.
Blankets. Beacon Manufacturing Company. 550,889, Nov. 13; Serial No. 591,346.
Blankets. Neptune Specialties, Inc. 550,844, Nov. 13; Serial No. 608,667, published July 24, 1951.
Fabrics. The Duplan Corporation. 550,765, Nov. 13; Serial No. 599,863, published Aug. 14, 1951.
Fabrics in the piece. H. W. Schwab Textile Corp. 550,776, Nov. 13; Serial No. 602,112, published Aug. 14, 1951.
Fabrics, Textile. Burlington Mills Corporation. 550,798, Nov. 13; Serial No. 604,189, published Aug. 14, 1951.
Piece goods. Julius N. Werk Fabrics, Inc. 550,900, Nov. 13; Serial No. 601,968.
Piece goods, Cotton. Cone Export and Commission Co., Inc. 550,789, Nov. 13; Serial No. 603,437, published Aug. 14, 1951.
Piece goods, Cotton. Tootal Broadhurst Lee Company Limited. 289,525, renewed Dec. 1, 1951. O. G. Nov. 13.
Piece goods, Rayon. Colonial Mills Inc. 285,823, renewed Aug. 11, 1951. O. G. Nov. 13.
Piece goods, Woolen. American Woolen Company. 290,957, renewed Jan. 19, 1952. O. G. Nov. 13.
Piece goods, Woolen. A. D. Juilliard & Co., Inc. 550,808, Nov. 13; Serial No. 604,534, published Aug. 14, 1951.
Rugs and carpets, Textile. Nye-Wait Company, Inc. 550,800–1, Nov. 13; Serial No. 604,313–14, published Aug. 14, 1951.
Rugs, Cotton. Lawrence Products Company, Inc. 550,885, Nov. 13; Serial No. 587,040.
Rugs, Cotton. Lawrence Products Company, Inc. 550,911–12, Nov. 13; Serial Nos. 606,666–7.
Sheets and pillow-cases. M. Epstein, Inc. 550,878, Nov. 13; Serial No. 583,037.
Textile products, Cotton. E. T. Barwick. 550,910, Nov. 13; Serial No. 606,202.
Towels. Wamsutta Mills. 550,794, Nov. 13; Serial No. 603,870, published Aug. 14, 1951.
Towels and drying cloths. S. Shuken & Company. 550,893, Nov. 13; Serial No. 594,587.
Velvets in the piece. Martin Fabrics Corporation. 550,805, Nov. 13; Serial No. 604,443, published Aug. 14, 1951.

CLASS 43

Thread, Sewing. Lily Mill and Power Company. 289,813, renewed Dec. 8, 1951. O. G. Nov. 13.

CLASS 44

Gauze bandage and adhesive plaster. The Kendall Company. 289,908, renewed Dec. 15, 1951. O. G. Nov. 13.
Plaster bandages. Lüscher & Bömper, A.-G. 250,633, Dec. 11, 1928. Republished Nov. 13.

CLASS 45

Beverage, Nonalcoholic, maltless, noncereal. J. N. Amigone. 444,598, Nov. 13; Serial No. 520,916, published Aug. 14, 1951.
Beverages, Maltless. Griggs, Cooper & Company. 550,735, Nov. 13; Serial No. 592,808, published Aug. 7, 1951.
Beverages, Nonalcoholic, noncereal, maltless. A. Westphal. 550,684, Nov. 13; Serial No. 578,749, published July 10, 1951.
Canned or bottled grape juice and apple cider. H. C. Bohack Co. Inc. 550,811, Nov. 13; Serial No. 604,613, published Aug. 7, 1951.
Chemical clouding preparation for use in making nonalcoholic maltless soft drinks. The H. R. Nicholson Company. 550,697, Nov. 13; Serial No. 583,407, published July 10, 1951.
Ginger-ale and ginger-ale extract. J. Vernor. 83,107, re-renewed Aug. 15, 1951. O. G. Nov. 13.
Grape juice. Ozmun and Company. 550,778, Nov. 13; Serial No. 602,329, published July 10, 1951.
Maltless soft drink syrups. Rose Brand Syrup Supply Co., Inc. 550,693, Nov. 13; Serial No. 581,687, published July 24, 1951.
Mineral water. Pacific Products, Inc. 285,555, renewed July 28, 1951. O. G. Nov. 13.
Non-alcoholic maltless preparation. O. H. Bonaguidi. 550,709, Nov. 13; Serial No. 587,176, published July 24, 1951.
Root beer concentrated syrup. Starlite Root Beer Inc. 550,764, Nov. 13; Serial No. 599,848, published Aug. 7, 1951.
Syrups for fruit flavored non-alcoholic maltless soft drinks, etc. Naaml. Venn. Distilleerderij Likeurstokerij, Limonade-En Extractenfabriek Van C. Polak Gzn. 550,668, Nov. 13; Serial No. 574,155, published July 10, 1951.

CLASS 46

Alimentary pastes. C. F. Mueller Company. 550,865, Nov. 13; Serial No. 534,315.
Butter. S. Pfeifer & Co. 84,999, re-renewed Jan. 16, 1952. O. G. Nov. 13.
Candy. Candy Kitchens, Inc 289,505, renewed Dec. 1, 1951. O. G. Nov. 13.
Canned fruits. Schuckl & Co., Inc. 289,561, renewed Dec. 1, 1951. O. G. Nov. 13.
Canned fruits, canned berries, canned vegetables, etc. Starr Fruit Products Co. 550,628, Nov. 13; Serial No. 557,082, published June 26, 1951.
Canned grapefruit. Floridagold Citrus Corporation. 285,838, renewed Aug. 11, 1951. O. G. Nov. 13.
Coffee, tea, bitter sweet chocolate, etc. Horowitz Bros. & Margareten. 550,763, Nov. 13; Serial No. 599,829, published June 19, 1951.
Canned fruits, canned berries, canned vegetables, etc. Strittville Canning Company. 209,904, Mar. 2, 1926. Republished Nov. 13.
Flour. Acme-Evans Company. 282,971, renewed May 12, 1951. O. G. Nov. 13.
Food preparations, Supplemental. Anabolic Food Products, Inc. 550,612, Nov. 13; Serial No. 540,240, published July 3, 1951.
Food products, Tempting Products Corporation. 550,639, Nov. 13; Serial No. 560,847, published June 19, 1951.
Ice cream and frozen confections. Reid Ice Cream Corporation. 290,299, renewed Dec. 29, 1951. O. G. Nov. 13.
Ice milk mix. Cremix Company. 550,739, Nov. 13; Serial No. 594,523, published July 10, 1951.
Icing for cakes and cookies. Basic Foods, Inc. 550,632, Nov. 13; Serial No. 559,673, published June 19, 1951.
Popping corn. American Pop Corn Company. 289,192, renewed Nov 24, 1951. O. G. Nov. 13.
Poultry, Dressed. Swift & Company. 550,897, Nov. 13; Serial No. 597,474.
Soup mix. Continental Coffee Co. 550,653, Nov. 13; Serial No. 568,835, published June 19, 1951.
Vegetable shortening. P. M. Cooter. 550,614, Nov. 13; Serial No. 541,815, published June 26, 1951.

CLASS 47

Sherry-wine. Alex D. Shaw & Co. 83,012, re-renewed Aug. 8, 1951. O. G. Nov. 13.
Vermouth, sparkling and still wines, etc. Martini & Rossi Corporation. 550,635–6, Nov. 13; Serial Nos. 559,935–6, published Aug. 7, 1951.
Wines. Garrett & Company, Inc. 550,624, Nov. 13; Serial No. 551,558, published July 10, 1951.
Wines. House of Old Molineaux, Inc. 550,749, Nov. 13; Serial No. 597,149, published July 10, 1951.
Wines. Madrone Vineyards. 550,846, Nov. 13; Serial No. 609,042, published July 10, 1951.
Wines. Wine Growers Guild. 550,679, Nov. 13; Serial No. 577,836, published July 10, 1951.
Wines, Cooking. Ellena Brothers. 550,732, Nov. 13; Serial No. 592,364, published July 31, 1951.

CLASS 48

Ale. Jacob Hornung Brewing Co. 550,655, Nov. 13; Serial No. 568,950, published Aug. 14, 1951.
Beer. Beverwyck Breweries, Inc. 550,695, Nov. 13; Serial No. 583,024, published Aug. 7, 1951.
Beer. The Buckeye Brewing Co. 550,775, Nov. 13; Serial No. 602,082, published Aug. 14, 1951.
Beer. N. V. Brouwerij d'Oranjeboom. 550,638, Nov. 13; Serial No. 560,536, published July 10, 1951.
Beer. N. V. Brouwerij d'Oranjeboom. 550,768–9, Nov. 13; Serial Nos. 600,611–12, published Aug. 7, 1951.
Beer. Jos. Schlitz Brewing Company. 550,821, Nov. 13; Serial No. 605,496, published July 24, 1951.
Beer and ale. Centlivre Brewing Corporation. 444,596–7, Nov. 13; Serial Nos. 508,786–7, published Aug. 14, 1951.
Beer, Bock. Beverwyck Breweries, Inc. 550,696, Nov. 13; Serial No. 583,026, published Aug. 7, 1951.
Malt lager, Sparkling. Chr. Heurich Brewing Company. 550,700, Nov. 13; Serial No. 583,796, published Aug. 7, 1951.

CLASS 49

Liquors, Distilled. Hunter-Wilson Distilling Co., Inc. 550,772, Nov. 13; Serial No. 601,048, published July 10, 1951.
Liquors, Distilled. Hunter-Wilson Distilling Co., Inc. 550,773, Nov. 13; Serial No. 601,049, published Aug. 14, 1951.
Rum. Captain Morgan Rum Distillers (Jamaica) Ltd. 550,666, Nov. 13; Serial No. 573,164, published July 10, 1951.
Whiskey. Austin, Nichols & Co. Incorporated. 550,837, Nov. 13; Serial No. 606,593, published July 31, 1951.
Whiskey. Esbeco Distilling Corporation. 550,657, Nov. 13; Serial No. 570,199, published July 10, 1951.
Whiskey. The Straight Whiskey Distilling Company of America. 550,690, Nov. 13; Serial No. 580,630, published July 10, 1951.
Whiskey, gin, rum, etc. Schenley Distillers Corporation. 444,599, Nov. 13; Serial No. 524,907, published July 3, 1951.

Whiskies. Stitzel-Weller Distillery. 550,694, Nov. 13; Serial No. 582,395, published July 3, 1951.

CLASS 50

Animal-traps and tack-hammers. Animal Trap Co. 37,602, re-renewed Dec. 31, 1951. O. G. Nov. 13.

CLASS 51

Cosmetic powder, cosmetic paste, and preparations for the hair. P. Beiersdorf & Co. 93,627, Oct. 7, 1913. Republished Nov. 13.
Dandruff remedy. The Retone Company. 84,528, re-renewed Dec. 19, 1951. O. G. Nov. 13.
Lotion, Hand and skin. McKesson & Robbins, Incorporated. 282,808, renewed May 5, 1951. O. G. Nov. 13.
Perfumery. Parfumerie Roger et Gallet, Société Anonyme. 288,322, renewed Oct. 27, 1951. O. G. Nov. 13.
Toilet cream. P. Beiersdorf & Co. Inc. 249,754, Nov. 20, 1928. Republished Nov. 13.
Tooth-powder. F. B. Horton. 36,845, re-renewed July 30, 1951. O. G. Nov. 13.

CLASS 52

Cleaning powder, General. Charlotte Chemical Laboratories, Inc. 285,546, renewed July 28, 1951. O. G. Nov. 13.
Compound used as a flux for removing dross from type metal. Imperial Type Metal Company. 290,722, renewed Jan. 12, 1952. O. G. Nov. 13.
Petroleum sulfonates for use as detergents and scouring agents, etc. Stanco Incorporated. 550,625, Nov. 13; Serial No. 552,510, published June 28, 1949. (Consolidated certificate. Classes 11, 12, 15, 16, 18, and 52.)
Shampoo preparation, Hair. J. H. Kremer. 550,896, Nov. 13; Serial No. 597,400.
Soap. P. Beiersdorf & Co. Inc. 264,325, Nov. 26, 1929. Republished Nov. 13.
Soap. P. Beiersdorf & Co. Inc. 321,882, Feb. 19, 1935. Republished Nov. 13.
Soaps, Toilet. Parfumerie Roger et Gallet, Société Anonyme. 288,146, renewed Oct. 20, 1951. O. G. Nov. 13.

CLASS 100

Furnishing to industrial factories, or offices, clean towels, cleansing and wiping cloths, etc. Mill Sanitary Wiping Cloth Corp. 550,862, Nov. 13; Serial No. 569,281, published Aug. 21, 1951.

CLASS 101

Advertising service. M. E. Fischer. 550,917, Nov. 13; Serial No. 544,717.

CLASS 103

Engineering services. Chemipulp Process, Inc. 550,860, Nov. 13; Serial No. 535,682, published Aug. 21, 1951.
Prescription service. The White-Haines Optical Company. 550,861, Nov. 13; Serial No. 537,384, published Aug. 21, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Dairies Incorporated, assignee: *See*—
Turner, Charles W., and Reineke.
Quaker Oats Company, The, assignee: *See*—
Turner, Charles W., and Reineke.
Reineke, Ezra P.: *See*—
Turner, Charles W., and Reineke.

Turner, Charles W., Columbia, Mo., and E. P. Reineke, East Lansing, Mich., assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Producing synthetic thyroprotein. Re. 23,429, Nov. 13.

LIST OF PLANT PATENTEES

Spanbauer, Frank, Decatur, Ill. Rose plant. 1,048, Nov. 13.

LIST OF DESIGN PATENTEES

Aktiebolaget Elektrolux, assignee: *See*—
Forsberg, Axel A.
Blacher, George J., Pasadena, Calif. Artist's palette or the like. 165,128, Nov. 13.
Bley & Spurgeon, assignee: *See*—
Bley, William G.
Bley, William G., assignor of one-half to said W. G. Bley and R. C. Spurgeon, co-partners trading under the name of Bley & Spurgeon, and one-half to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Lady's stocking. 165,129, Nov. 13.
Bolser, Clark M., assignor to The Bolser Corporation, Cedar Falls, Iowa. Combined signal lamp and guard. 165,130, Nov. 13.
Bolser Corporation, The, assignee: *See*—
Bolser, Clark M.
Breath, Elias, New York, N. Y. Glove. 165,131, Nov. 13.
Bruce, Leo L., Framingham Center, Mass., assignor to General Electric Company. Clock case. 165,132, Nov. 13.
Bruce, Leo L., Framingham Center, Mass., assignor to General Electric Company. Clock case. 165,133, Nov. 13.
Burger, Arnold J., New York County, N. Y. Switch. 165,134, Nov. 13.
Christensen, Clarence C., Muskegon, Mich., assignor, by mesne assignments, to J. J. Hamm. Receptacle for toilet articles. 165,135, Nov. 13.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Coty, Inc., assignee: *See*—
De Gorin, Serge.
Davidson, Ivy C., Los Angeles, Calif. Jewelry case. 165,136, Nov. 13.
De Gorin, Serge, Hollywood, Calif., assignor to Coty, Inc., Wilmington, Del. Apparatus for determining the application of cosmetics. 165,137, Nov. 13.
Dieterich, Richard E., Long Beach, Ind. Pillar mounting bracket for automobile visor. 165,138, Nov. 13.
Duer, Frederick L., Bellwood, Ill. Tubular metal table base. 165,139, Nov. 13.
Fleming, Jack F., Yonkers, N. Y., assignor to Sterling Plastics Company, Union, N. J. Pouring canister. 165,140, Nov. 13.
Forsberg, Axel A., Stora Essingen, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Liquid dispenser for surface treating machines. 165,141, Nov. 13.
Frei, Otto, New York, N. Y. Liturgical flouncing. 165,142, Nov. 13.
Frei, Otto, New York, N. Y. Liturgical flouncing. 165,143, Nov. 13.
Frei, Otto, New York, N. Y. Liturgical flouncing. 165,144, Nov. 13.
Frei, Otto, New York, N. Y. Liturgical flouncing. 165,145, Nov. 13.
Frei, Otto, New York, N. Y. Liturgical flouncing. 165,146, Nov. 13.
Frei, Otto, New York, N. Y. Liturgical flouncing. 165,147, Nov. 13.
Frei, Otto, New York, N. Y. Liturgical flouncing. 165,148, Nov. 13.
Fritz, Theresa M., New York, N. Y. Dress ensemble. 165,149, Nov. 13.
Gebhard, Paul C., assignor to Youngstown Manufacturing, Inc., Youngstown, Ohio. Roll down nosing. 165,150, Nov. 13.
General Electric Company, assignee: *See*—
Bruce, Leo L.
General Outdoor Advertising Company, Inc., assignee: *See*—
Hammond, Clark H.
Golden, Jules, Bronxville, N. Y. Combination toy bank and shoe trees. 165,151, Nov. 13.
Granat, Joseph, San Francisco, Calif. Watchcase. 165,152, Nov. 13.
Gregg Manufacturing Company, The, assignee: *See*—
Gregg, Robert S.
Gregg, Robert S., assignor to The Gregg Manufacturing Company, Fredericktown, Ohio. Wall-mounted lamp or similar article. 165,153, Nov. 13.
Gundelfinger, William E., St. Louis County, Mo. Magnetic lid-holding attachment for a can opener. 165,154, Nov. 13.
Hamm, James J., assignee: *See*—
Christensen, Clarence C.
Hammond, Clark H., assignor to General Outdoor Advertising Company, Inc., Chicago, Ill. Poster panel. 165,155, Nov. 13.
Holophane Company, Inc., assignee: *See*—
McPhail, Robert G.
Kandarian, Belle A., Fresno, Calif. Pen and pencil holder. 165,156, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 165,157, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 165,158, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 165,159, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 165,160, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 165,161, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 165,162, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 165,163, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. —Brooch or similar article. 165,164, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,165, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,166, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,167, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,168, Nov. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,169, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,170, Nov. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,171, Nov. 13.
Kaye, John W., San Antonio, Tex. Utility brush. 165,172, Nov. 13.
Kaye, John W., San Antonio, Tex. Utility brush. 165,173, Nov. 13.
Kaye, John W., San Antonio, Tex. Utility brush. 165,174, Nov. 13.
Kerr, Alvis N., Dallas, Tex. Container holder or similar article. 165,175, Nov. 13.
Loewengart, Justin, New York, N. Y. Rubber overshoe. 165,176, Nov. 13.
Long, Walter K., assignor to Welch Allyn, Auburn, N. Y. Ophthalmoscope head. 165,177, Nov. 13.
Ludwig, Ray C., Englewood, Colo. Mobile flower shop. 165,178, Nov. 13.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,179, Nov. 13.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 165,180, Nov. 13.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 165,181, Nov. 13.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 165,182, Nov. 13.
Mango, Joseph R., assignor to Thor Corporation, Chicago, Ill. Clothes-washing machine. 165,183, Nov. 13.
McPhail, Robert G., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lens panel for direct lighting fixtures. 165,184, Nov. 13.
Morgenstern, David M., Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill. Portable spotlight. 165,185, Nov. 13.
Morgenstern, David M., Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill. Portable spotlight. 165,186, Nov. 13.
Morgenstern, David M., Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill. Portable spotlight. 165,187, Nov. 13.
Morgenstern, David M., Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill. Portable spotlight. 165,188, Nov. 13.
Nelmor Corporation, assignee: *See*—
Morgenstern, David M.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 165,189, Nov. 13.
Pichel, Irving, New York, N. Y. Handbag. 165,190, Nov. 13.
Reece, Clarence D., Minneapolis, Minn. Vacuum cleaner cart. 165,191, Nov. 13.
Reuben, Samuel, Jr., Chicago, Ill. Portable warning device. 165,192, Nov. 13.
Rudd, George, assignor to The Walker China Company, Bedford, Ohio. Plate or similar article. 165,193, Nov. 13.
Sanson Hosiery Mills, Inc., assignee: *See*—
Bley, William G.
Schiffer, Samuel S., New York, N. Y. Desk rack. 165,194, Nov. 13.
Schlumbohm, Peter, New York, N. Y. Automobile. 165,195, Nov. 13.
Smolarek, Zenon M., Racine, Wis. Practice golf ball holding apparatus. 165,196, Nov. 13.
Spurgeon, Richard C., assignee: *See*—
Bley, William G.
Sterling Plastics Company, assignee: *See*—
Fleming, Jack F.
Thomas, Eleanor A., Ruxton, Md. Edible shell or the like. 165,197, Nov. 13.
Thor Corporation, assignee: *See*—
Mango, Joseph R.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Uttz, William A., Fort Worth, Tex. Camper's tool. 165,198, Nov. 13.
Walker China Company, The, assignee: *See*—
Rudd, George.
Wallace, R., & Sons, Mannufacturing Compannv, assignee: *See*—
Warren, William S.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 165,199, Nov. 13.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 165,200, Nov. 13.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 165,201, Nov. 13.
Welch Allyn, Inc., assignee: *See*—
Long, Walter K.
Wendt, Robert H., Evanston, Ill. Inflatable toy horse. 165,202, Nov. 13.
Wirklich, Abraham, New York, N. Y. Handbag ornament. 165,203, Nov. 13.
Wirklich, Abraham, New York, N. Y. Handbag ornament. 165,204, Nov. 13.
Wright, Clyde E., Elyria, Ohio. Combined stock and die unit. 165,205, Nov. 13.
Youngstown Manufacturing, Inc., assignee: *See*—
Gebhard, Paul C.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. Svenska Flaktfabriken, assignee: *See*—
Wallin, Sven W.
Aarestad, Stanley T., Jamestown, N. Dak. Folding crib. 2,574,610, Nov. 13.
Abbott, Andrew D.: *See*—
Eckey, Eddy W., and Abbott.
Abbott, Edward J., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Supplying yarn. 2,574,455, Nov. 13.
Abbott, Perry L., Seaside, and O. G. Grove, Beaverton, Oreg. Holding down clamp for presses and ironing boards. 2,574,722, Nov. 13.
Abbott Worsted Mills, Incorporated, assignee: *See*—
Abbott, Edward J.
Abraham, Earl A., Detroit, Mich. Dispensing container with puncturing means for sealed cans. 2,575,083, Nov. 13.
Aciform Corporation, assignee: *See*—
Werner, John.
Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,574,994, Nov. 13.
Adrian, Joseph, assignor to Super Speed Printing Machinery, Inc., Cleveland, Ohio. Printer's sawing and trimming machine. 2,574,901, Nov. 13.
Aetna Ball & Roller Bearing Co., assignee: *See*—
Rozner, Joseph J.
Agnew, Boyd, Los Angeles, assignor to A. Higgins, Pasadena, Calif. Directional control valve for water softeners. 2,574,809, Nov. 13.
Aircraft Radio Corporation, assignee: *See*—
King, Paul B., Jr.
Air Reduction Company, Incorporated, assignee: *See*—
Tyrner, Joseph M.
Airtron, Inc., assignee: *See*—
Anderson, John W., and Hamilton.
Akeley, Lloyd T., Lynn, Mass., assignor to General Electric Company. Switching apparatus for electrical apparatus. 2,575,084, Nov. 13.
Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective consisting of three simple elements and a cemented triplet therebehind. 2,574,995, Nov. 13.
Aktiebolaget Leo, assignee: *See*—
Rosenberg, Ernst T., Högberg, and Claeson.
Aktiebolaget Recip, assignee: *See*—
Carlsson, Sven.
Aktiebolaget Separator, assignee: *See*—
Erling, Sven J
Alikonis, Justin J., assignor to Paul F. Beich Company, Bloomington, Ill. Rotary beater mill and classifier for producing sieve range sized chocolate products. 2,574,948, Nov. 13.
Allen-Bradley Company, assignee: *See*—
Matthias, Lynn H.
Allen, Charles F. H., and J. A. Van Allan, assignors to Eastman Kodak Company, Rochester, N. Y. N-(acetylmercantoacetyl)-N'-n-butylurea. 2,574,996, Nov. 13.
Allen, Erhard, deceased, Dayton, Ohio; H. A. Allen, executrix, assignor to H. A. Allen. Lawn trimmer. 2,574,947, Nov. 13.
Allen, Helen A., executrix, assignee: *See*—
Allen, Erhard.
Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine locomotive. 2,575,242, Nov. 13.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Allen, Robert C.
Shaw, Ernest C.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Hogel, Lennart, Thelemarck, and Lindberg.
Alyea, Harold W., Waukesha, assignor to Johnson Service Company, Milwaukee, Wis. Pressure fluid follow-up motor with pilot pressure control. 2,575,085, Nov. 13.
Amalgamated Electric Corporation, Limited, assignee: *See*—
Langley, Stanley.
American Baler Co., The, assignee: *See*—
Seltzer, Robert E.
American Brake Shoe Company, assignee: *See*—
Andersen, Alfred F.
American Cyanamid Company, assignee: *See*—
Franklin, Alfred L.
Thurston, Jack T., and Oldham.
American Fastener Company, The, assignee: *See*—
Kiessling, Max.
American Hair & Felt Company, assignee: *See*—
McKay, Neil S., Clements, and Hicks.
American Linen Supply Co., assignee: *See*—
Jespersen, Paul W.
American Machine and Foundry Company, assignee: *See*—
Rundell, Rupert E.
American Optical Company, assignee: *See*—
Bennett, Alva H.
American Reenforced Paper Company, assignee: *See*—
Boulware, James E.
American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Maracz, William A.
American Viscose Corporation, assignee: *See*—
Cornwell, Ralph T. K., Dunn, and Hunter.
Ames, B. C., Co., assignee: *See*—
Ames, Warren.
Ames, Warren, Newton, assignor to B. C. Ames Co., Waltham, Mass. Gauge. 2,574,723, Nov. 13.
Amsler Morton Corporation, assignee: *See*—
Graham, Frank H., and Smith.
Amuchastegui, Alfredo, Buenos Aires, Argentina. Electric iron. 2,574,856, Nov. 13.
Ancona, Edward P., Jr., Sun Valley, Calif., assignor to Radio Corporation of America. Peak reading measuring system. 2,574,682, Nov. 13.
Andersen, Alfred F., Danbury, Conn., assignor to American Brake Shoe Company, New York, N. Y. Switch stand. 2,575,037, Nov. 13.
Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Receptacle. 2,574,683, Nov. 13.
Anderson, John W., Westfield, and J. W. Hamilton, Montclair, assignors to Airtron, Inc., Linden, N. J. Quick disconnect coupling for power cables. 2,574,456, Nov. 13.
Andrews, Boley A., Kansas City, Mo., and G. M. Pro, Kansas City, Kans., assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo. Door controlling mechanism and limit switch. 2,574,684, Nov. 13.
Anger, Ernest G.: *See*—
Stanback, Harris L., and Anger.
Apex Accessories Co., Inc., assignee: *See*—
Jaccarino, Richard, and Pinson.
Apex Electrical Manufacturing Company, The, assignee: *See*—
Bryant, Glenn D.
Appelbaum, Abraham L., Chicago, Ill. Venetian blind. 2,574,609, Nov. 13.
Archer Rubber Company, assignee: *See*—
Gowdy, William F.
Arden Farms Co., assignee: *See*—
Nielsen, Christian.
Ariens Company, assignee: *See*—
Zorn, Allen O.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Arnold, Orlan M., Troy, N. Y. Welding bodies. 2,575,251, Nov. 13.
Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of alkyl sulfenyl trithiocarbonates. 2,574,457, Nov. 13.
Askren, Lee T., assignor to Eastman Kodak Company, Rochester, N. Y. Self-starting contact type electric motor. 2,574,997, Nov. 13.
Associated Newspapers Limited, assignee: *See*—
Jarvis, Frederick W.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Magnetic valve. 2,575,086, Nov. 13.
Atkinson, John F., and S. Lubin, Arlington, Va., assignors to Sprague Electric Company, North Adams, Mass. Remote monitoring system. 2,574,458, Nov. 13.

Automatic Electric Laboratories, Inc., assignee: *See*—
Pye, Harold C.
Riebe, Theodore C.
Voss, John H.
Baker, George T.

Ayres, William R.: *See*—
Martin, Daniel W., and Ayres.

Bacon, William: *See*—
Davidson, Robert K., and Bacon.

Badeau, Carroll A.: *See*—
Greene, Donald L., and Badeau.

Badische Uhrenfabrik G. m. b. H., assignee: *See*—
Paül, Wilhelm H., and Trenkle.

Bailey, Dana L., Rock Hill, S. C., and R. C. Bard, Dumont, N. J., assignors to Celanese Corporation of America. Candle filter. 2,574,521, Nov. 13.

Baird, Clyde O.: *See*—
Nycum, Homer C., and Baird.

Baker, Corwin W., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt indenting machine. 2,574,611, Nov. 13.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electronic counting arrangement. 2,575,087, Nov. 13.

Baker, Millard H., St. Louis, Mo., assignor to Fairbanks, Morse & Co., Chicago, Ill. Multistage rotary pump. 2,574,724, Nov. 13.

Baker, William R.: *See*—
Panofsky, Wolfgang K. H., and Baker.

Baldwin Company, The, assignee: *See*—
Mork, Raymond P.

Ball, Charles F., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Yieldably mounted tiltable support for mine timbering machines. 2,574,857, Nov. 13.

Ball, F. M., & Co., assignee: *See*—
Luther, Paul E.

Bamberger, Curt, Jersey City, and J. W. Orelup, Short Hills, assignors to Patent Chemicals Incorporated, Paterson, N. J. Manufacture of polyhydroxy anthraquinone sulfonic acids. 2,575,155, Nov. 13.

Bangert, Charles, Jr., Ballston Spa, N. Y., assignor to General Electric Company. Round cornered box. 2,574,998, Nov. 13.

Banka, Frank W., Park Ridge, Ill. Powered trimmer. 2,575,038, Nov. 13.

Bannister, Bryant, Pittsburgh, Pa., assignor to National Tube Company. Roll mounting. 2,574,773, Nov. 13.

Bantar, Incorporated, assignee: *See*—
McBride, John W.

Barak, Montefiore, Clifton Junction, near Manchester, assignor to The Chloride Electrical Storage Company Limited, Clifford Junction, near Manchester, England. Electric accumulators. 2,575,088, Nov. 13.

Bard, Robert C.: *See*—
Bailey, Dana L., and Bard.

Barmer Maschinenfabrik Aktiengesellschaft, assignee: *See*—
Bochmann, Otto, Schroder, and Lenk.

Barnes, James C., Chicago, Ill. Cup and cover. 2,574,612, Nov. 13.

Barnes, John M.: *See*—
Ruscitti, Constantine, and Barnes.

Barnes, John, Milwaukee, Wis. Washing machine. 2,575,039, Nov. 13.

Barnhart, William S.: *See*—
McBee, Earl T., and Barnhart.

Barringer, Gordon L.: *See*—
Lee, Charles M., and Barringer.

Barry, John K., Jr., Philadelphia, and W. C. Hale, Jr., assignors to South Chester Corporation, Chester, Pa. Spring threaded bolt fastening device. 2,575,311, Nov. 13.

Bastian-Blessing Company, The, assignee: *See*—
Buttner, William C., and Sundstrom.
Hassler, Frank R.

Batzler, Anthony J., Milwaukee, Wis. Pouring spout for liquid containers with opening and closure, said spout adapted to be sealed around the closed opening. 2,575,040, Nov. 13.

Bauer, Emile, Valence-sur-Rhone, assignor to J. and S. Barnier, Valence-sur-Rhone (Drome), France. Production of esters of N-ethanol morpholine. 2,575,041, Nov. 13.

Baugh, Everett L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid pump pressure limiting valve. 2,574,613, Nov. 13.

Baugh, Raymond N., Bridgeport, and R. F. Wycinowski, Fairfield, Conn., said Wycinowski assignor to said Baugh. Fishing reel. 2,575,156, Nov. 13.

Baughman, George W., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Remote-control system. 2,574,774, Nov. 13.

Baumgardner, Earl W., Watsonville, Calif. Artificial tooth. 2,574,810, Nov. 13.

Bausch & Lomb Optical Company, assignee: *See*—
Forrest, John W., and Stegeman.
Stegeman, Raymond F. E.

Baxter, Robert R., and M. A. Milling, Anderson, Ind. Sewage treatment system. 2,574,685, Nov. 13.

Beattie, Robert W.: *See*—
Manske, Richard H. F., Beattie, and Kulka.

Bechler, André, Moutier, Switzerland. Automatic lathe headstock reciprocating means. 2,574,775, Nov. 13.

Bechtold, Max F., Kennett Square, Pa., and O. E. Snyder, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes and composition. 2,574,902, Nov. 13.

Bee-Line Company, assignee: *See*—
Smith, Roy D.

Behman, Gerald A., San Francisco, and F. R. Meze, Redwood City, Calif. Automobile heating system for outdoor drive-in theaters. 2,574,949, Nov. 13.

Beich, Paul F., Company, assignee: *See*—
Alikonis, Justin J.

Bell, Alexander H., Los Angeles, Calif., assignor to Continental Oil Company, Ponca City, Okla. Rotary table. 2,574,614, Nov. 13.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
King, Archie P.
McMahon, William.

Bell, Thomas A., Ridgefield Park, N. J. Adjustable garment hanger. 2,574,999, Nov. 13.

Bellamy, John I., Antioch, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Translator for shifted lines and parties. 2,574,903, Nov. 13.

Bellamy, John I., Wheaton, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Endless chain of counting relays. 2,574,904, Nov. 13.

Bendix Aviation Corporation, assignee: *See*—
Hauser, Richard F.
Smith, Whitfield C.

Ben-Dor, Ben-Ami, Washington, D. C. Low-pressure cooker. 2,574,950, Nov. 13.

Bennetch, Leonard M., assignor to Reichard-Coulston, Inc., Bethlehem, Pa. Preparation of brown oxide of iron. 2,574,459, Nov. 13.

Bennett, Alva H., Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass. Microscope slide for phase microscopes. 2,574,522, Nov. 13.

Benson, Merle K., Benton Harbor, Mich., assignor to T-M-K Corporation, Davenport, Iowa. Adjustable propeller. 2,574,951, Nov. 13.

Berdan, George D., Fort Worth, Tex. Lawn mower having a slidable and tiltable reel. 2,574,725, Nov. 13.

Berger, Hays L., assignor to V. M. Berger, Washington, D. C. Device for scaring birds. 2,575,252, Nov. 13.

Berger, Samuel L., Newark, N. J. Toy machine gun. 2,574,952, Nov. 13.

Berger, Veleita M., assignee: *See*—
Berger, Hays L.

Berthene, Hugo, Brooklyn, N. Y. Parachute dropping kite. 2,575,157, Nov. 13.

Bess, Archie L.: *See*—
Bess, Roland T. and A. I.

Bess, Roland T. and A. I., Salt Lake City, Utah. Broach. 2,574,953, Nov. 13.

Bessière, Pierre E., assignor to Societe Electro-Mecanique de L'Aveyron S. A., Rodez, France. Cooling device for electrical apparatus in particular electric brakes. 2,575,000, Nov. 13.

Best, Frank E., Indianapolis, Ind. Knob set privacy latch. 2,574,726, Nov. 13.

Bethlehem Supply Company, assignee: *See*—
Eaton, John F.

Biarnasis, Paul: *See*—
Chassaing, Pierre, and Biarnais.

Bicek, Joseph F., St. Paul, Minn. Vaginal speculum. 2,575,253, Nov. 13.

Bircher, John R.: *See*—
Dressler, Russell G., and Bircher.

Bird, Lester F., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Operating system for discharge devices and vapor arc lamps. 2,575,001, Nov. 13.

Bishop, John W., Roselle, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Rust-inhibiting compositions. 2,574,954, Nov. 13.

Bishop, John W., Plainfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Esterified alkylolamine salts of acid esters of phosphorus acids. 2,574,955, Nov. 13.

Bishop, John W., Plainfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Rust-inhibiting compositions. 2,574,956, Nov. 13.

Black, John E., Decatur, Ala. Pants guard and attachment for hangers. 2,575,089, Nov. 13.

Blanco P., Manuel, assignee: *See*—
Scheel, Julius.

Blaugrund, Marvin J., Shaker Heights, Ohio. Universal mounting antenna clamp. 2,575,254, Nov. 13.

Blaw-Knox Company, assignee: *See*—
Tillotson, Jared E.

Blitzer, Sidney M.: *See*—
Rodekhor, Howard M., and Blitzer.

Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Sectional vertical acting door. 2,575,255, Nov. 13.

Blouin, Maurice A., assignor to Simplex Time Recorder Co., Gardner, Mass. Interchangeable clock dial unit assembly. 2,575,090, Nov. 13.

Blumensaadt, Svend G., Beachwood Village, assignor to The Universal Wire Spring Company, Cleveland, Ohio. Portable clipping tool. 2,574,811, Nov. 13.

Blumenstein, Joseph, Cold Spring Harbor, assignor to "Sur-Grip" Inc., New York, N. Y. Spring hand gripping control garment hanger construction. 2,575,158, Nov. 13.

Bobard, Emile, Beaune, France. Multiple motors for vehicles and control thereof. 2,575,256, Nov. 13.

Bochmann, Otto, O. Schröder, and W. Lenk, assignors to Barmer Maschinenfabrik Aktiengesellschaft, Remscheid-Lennep, Germany. Twisting mechanism. 2,574,957, Nov. 13.

Bocji Corporation, assignee: *See*—
Lang, Joseph C.

Bocklus, George H., and C. E. Erickson, assignors to Diabold, Incorporated, Canton, Ohio. Filing appliance. 2,574,523, Nov. 13.

Boeing Airplane Company, assignee: *See*—
McCoy, Joe, and Weining.

Bohanon, Hoy R., Lakewood, Ohio. Valveless intermittent ram-jet engine. 2,574,460, Nov. 13.

Bohonos, Nestor: *See*—
Whiffen, Alma J., Emerson, and Bohonos.

Bolding, Hubert V., Jeffersonville, Ind., assignor to The Bradley & Gilbert Company, Louisville, Ky. Collapsible cellular carton. 2,574,461, Nov. 13.

Boltzen, Adolph L., Brentwood, Calif. Bin feeding mechanism. 2,574,524, Nov. 13.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy searchlight. 2,574,905, Nov. 13.

Bond, Donald C., Northbrook, and N. B. Russell, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Regeneration of spent alkali. 2,574,525, Nov. 13.

Borden, George C., Jr., Easton, Pa., assignor to Riegel Paper Corporation, New York, N. Y. Antifungus wrapper and producing same. 2,574,526, Nov. 13.

Borgeson, Olaf H., Hanson, Mass. Snowplow. 2,575,091, Nov. 13.

Boston Machine Works Company, assignee: *See*—
Vachon, Hubert J.

Boulware, James E., Attleboro Falls, assignor to American Reenforced Paper Company, Attleboro, Mass. Adhesive laminated paper and box stay tape. 2,575,257, Nov. 13.

Bouvier, Gabriel S., Gentilly, and R. P. Clair, Paris, France. Machine for continuous molding. 2,575,092, Nov. 13.

Bowan, Walter J.: *See*—
Mueller, Frank H., and Bowan.

Bowersock, Wilber E., Rochester, N. Y. Box blank folding machine. 2,574,527, Nov. 13.

Bradford, Albert H., Placentia, Calif. Orchard spray head. 2,574,812, Nov. 13.

Bradley & Gilbert Company, The, assignee: *See*—
Bolding, Hubert V.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Pilot operated valve mechanism. 2,575,042, Nov. 13.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mixing valve with constant flow mechanism. 2,575,043, Nov. 13.

Braun, Carl J., assignor to The Wooster Brass Company, Wooster, Ohio. Mixed drink faucet. 2,574,906, Nov. 13.

Brewer, George E. F., Detroit, assignor to Gage Products Company, Ferndale, Mich. Electrically neutral organic liquid compositions. 2,574,528, Nov. 13.

Brewer, Harry W., assignor to Ritepoint Co., St. Louis, Mo. Advertising device for pencils or the like. 2,574,615, Nov. 13.

Bridges, John H., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Transformer. 2,575,093, Nov. 13.

British Mechanical Productions Limited, assignee: *See*—
Deakin, Stanley T.

Brocklehurst-Whiston Amalgamated Limited, assignee: *See*—
Swindells, Edwin.

Brooker, Leslie G. S.: *See*—
Keyes, Grafton H., and Brooker.

Brown, Adolph M., Chicago, Ill. Device for retracting face skin. 2,575,204, Nov. 13.

Brown, Adolph M., Chicago, Ill. Device for retracting skin. 2,575,205, Nov. 13.

Brown, Adolph M., Chicago, Ill. Face lifting device. 2,575,206, Nov. 13.

Brown, Jesse E., Glencoe, Ill., assignor to Zenith Radio Corporation. Subscription type television transmitter. 2,574,462, Nov. 13.

Brown, Raymond L., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Impregnating electrical coils. 2,574,686, Nov. 13.

Brown, Theodore G., Sunnyvale, Calif. Speed decelerating indicator for motor vehicles. 2,574,616, Nov. 13.

Bryant Glenn D., Strakville, Miss., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Washing machine. 2,574,617, Nov. 13.

Bryzek, Carl M., assignor to Cerc Reamer Co., Chicago, Ill. Expansible bracelet. 2,575,207, Nov. 13.

Bücken, Hans E., assignor to National Rubber Machinery Company, Akron, Ohio. Extrusion apparatus. 2,574,907, Nov. 13.

Buckeye Laboratories Corporation, The, assignee: *See*—
Egger, Charles J., and Webster.

Buckeye Steel Castings Company, The, assignee: *See*—
Settles, James C., and Orr.

Budd Company, The, assignee: *See*—
Flacke, Henry C.

Bulcke, Harold C., North Tonawanda, N. Y. Holder for leader lines. 2,574,908, Nov. 13.

Bullard Company, The, assignee: *See*—
Bullard, Edward P., III.

Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Control. 2,574,687, Nov. 13.

Burkett, George A., St. James, Manitoba, Canada. Pharmaceutical capsule sizing device with volumetric capacity varying means. 2,574,727, Nov. 13.

Burrows, John W., assignor of 40 per cent to Harold S. Willoughby, Howard, Colo. Adjusting means for the jaws of a pivoted jaw wrench. 2,574,909, Nov. 13.

Buttner, William C., Winnetka, and S. L. Sundstrom, assignors to The Bastian-Blessing Company, Chicago, Ill. Regulator nozzle. 2,575,312, Nov. 13.

Cade, Phillip J., Sharon, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic timing device. 2,574,618, Nov. 13.

Cadrain, Joseph A., New Britain, Conn. Windproof ash tray. 2,574,813, Nov. 13.

Cady, George H., Leonia, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparation of fluorocarbons. 2,574,619, Nov. 13.

Calderon, Albert, Atlanta, Ga. Toilet seat. 2,575,208, Nov. 13.

Caldwell, Ferris H., Canton, N. Y. Detachable fishhook connector. 2,575,044, Nov. 13.

Calefactor Corporation, The, assignee: *See*—
Denker, Charles T., and Moore.

California Research Corporation, assignee: *See*—
Toland, William G., Jr.

Callender Foundry & Manufacturing Co., Limited, The, assignee: *See*—
Copp, William.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Switch for use with a perforated tape. 2,574,688, Nov. 13.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Shepard, Ernest L.

Caraway, Gordon E., Dallas, Tex. Surgical reel device. 2,574,728, Nov. 13.

Carlson, Carl S.: *See*—
Ohsol, Ernest O., Carlson, and Hudson.

Carlson, Carl S., Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohols. 2,575,243, Nov. 13.

Carlson, Carl S., Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Separating ketones from close-boiling mixtures. 2,575,244, Nov. 13.

Carlson, Carl S., Roselle, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohol-containing mixtures with diphenyl ether as solvent. 2,575,285, Nov. 13.

Carlson, Evert W., and V. J. Flink, Cambridge, Minn. Engineer's point finder. 2,575,245, Nov. 13.

Carlsson, Sven, Abrahamsberg, assignor to Aktiebolaget Recip, Stockholm, Sweden. Beta-di-piperonyl-aminoethanol-hydrochloride. 2,574,620, Nov. 13.

Carlstedt, Sven B. F., Stockholm, Sweden. Controlling the level of liquid in dishwashing machines. 2,575,246, Nov. 13.

Caron, John B. R., North Plainfield, E. B. Glendenning, Cranford, N. J., and C. Wies, New York, N. Y., assignors to Shell Development Company, San Francisco, Calif. Fuel oil composition. 2,575,003, Nov. 13.

Carpenter, Allan O., Corning, assignor to Ingersoll-Rand Company, New York, N. Y. Reciprocatory compressor. 2,574,814, Nov. 13.

Carr, Granville M., Wichita, Kans. Float supported tank cleaning device. 2,574,958, Nov. 13.

Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Latent image intensification. 2,575,002, Nov. 13.

Cartabellatto, Joseph: *See*—
Stryzakoski, Raymond, and Cartabellatto.

Carter Carburetor Corporation, assignee: *See*—
Ericson, George R.

Carter, Henry, Victoria, British Columbia, Canada. Border clipping device. 2,574,858, Nov. 13.

Carter, John E., Columbus, Ohio. Sealed joint for concrete slab road pavement. 2,575,247, Nov. 13.

Carter, Russell, Jr., Hyattsville, Md. Artificial bait. 2,574,529, Nov. 13.

Casalonga, Jean: *See*—
Piéri, Jean, and Casalonga.

Castagna, Arnaldo, Turin, Italy. Variable-speed transmission. 2,574,530, Nov. 13.

Celanese Corporation of America, assignee: *See*—
Bailey, Dana L., and Bard.
Piperoux, Rene P., Moeller, and Hertz.
Salvin, Victor S., and Hart.

Cerc Reamer Co., assignee: *See*—
Bryzek, Carl M.

Chamberlain, Joseph W., Holland, Mich. Refrigerator. 2,575,094, Nov. 13.

Chaney, Richard, assignor to The Sheffield Corporation, Dayton, Ohio. Die and punch retainer device. 2,574,910, Nov. 13.

Chapin, Harold A., San Jose, Calif. T-square securing means. 2,574,463, Nov. 13.

Charbonneau, Allan P., and F. J. Russell, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic contactor with plunger armature. 2,575,095, Nov. 13.

Charman, Walter M., Shaker Heights, Ohio. Bottom ring for hot tops and mounting means therefor. 2,574,815, Nov. 13.

Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cabinet with sewing machine raising and lowering mechanisms. 2,575,045, Nov. 13.

Chassaing, Pierre, Rue Saint Jean, Melle, and P. Biarnais, Le Coudray, Par Melle, assignors to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Manufacturing anhydrides. 2,575,159, Nov. 13.

Chatelain, Willy, Lancaster, Pa. Multicolor refillable pencil. 2,575,096, Nov. 13.

Chavannes Industrial Synthetics, Inc., assignee: *See*— Chavannes, Marc A., and Traut.

Chavannes, Marc A., Lisbon, and G. T. Traut, Danielson, Conn., assignors to Chavannes Industrial Synthetics, Inc., New York, N. Y. Producing ornamental plastic films. 2,575,048, Nov. 13.

Chempatents, Inc., assignee: *See*— Landau, Ralph.

Chesterman-Leeland Co., assignee: *See*— Goodchild, Frederick V.

Chin, Pao H.: *See*— Knauth, Berthold A., and Chin.

Chisholm, John E., Medford, Mass. Mooring shackle. 2,574,859, Nov. 13.

Chloride Electrical Storage Company Limited, The, assignee: *See*— Barak, Montefiore.

Christ, Alfred W., Chicago, Ill. Winding crank for cameras. 2,574,689, Nov. 13.

Christie, William H., Altadena, Calif. Ellipsograph. 2,574,464, Nov. 13.

Chrysler Corporation, assignee: *See*— Dunn, William T. Forman, Louis B. Holmes, Ira M. Janeway, Robert N., and Van Der Sluys. Van Der Sluys, William. Wolfe, Robert W.

Chun, Ernest K. F., Honolulu, Territory of Hawaii. Indoor portable oscillating drier. 2,574,621, Nov. 13.

Ciba Limited, assignee: *See*— Gunst, Raymond.

Cincinnati Butchers' Supply Corporation, The, assignee: *See*— Schmidt, William C., and Zaenkert.

Claeson, Karl E. L.: *See*— Rosenberg, Ernst T., Högberg, and Claeson.

Clair, Roger P.: *See*— Bouvier, Gabriel S., and Clair.

Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Hot clamp connector. 2,574,776, Nov. 13.

Clark, John F., III, Burbank, Calif., assignor to Radio Corporation of America. Amplifier-rectifier circuit. 2,574,690, Nov. 13.

Clark, Kenneth C., Watsonville, Calif. Tire-wheel or tire-rim carrier for pickup trucks. 2,574,465, Nov. 13.

Clark, Robert S., Berkeley, assignor to Yuba Manufacturing Company, San Francisco, Calif. Clutch wear compensator. 2,574,622, Nov. 13.

Clark, Verdelle, Presque Isle, Maine. Fish lure. 2,575,248, Nov. 13.

Clarke, Robert H., Nutley, N. J. Hydraulic automobile jack. 2,575,160, Nov. 13.

Clarostat Mfg. Co., Inc., assignee: *See*— Mucher, George J.

Clay, John P., and H. B. Elkins, United States Army, assignors to the United States of America as represented by the Secretary of War. Smoke agent. 2,574,466, Nov. 13.

Clements, Arthur L.: *See*— McKay, Neil S., Clements, and Hicks.

Clyde, Martin, Chicago, Ill. Antisnoring device. 2,574,623, Nov. 13.

Cochin, John D., San Francisco, Calif. Control valve mechanism. 2,574,624, Nov. 13.

Coffin, John M., Silver Spring, Md. Garment hanger and attachment therefor. 2,574,860, Nov. 13.

Coffman, Clifford C., Dallas, Tex. Remote-control blind operator for motor vehicles. 2,574,729, Nov. 13.

Coit, James O., Jr., assignee: *See*— Wolfner, William F., II.

Cole-Hersee Company, assignee: *See*— Unsworth, Thomas.

Cole, William H., Gauley Bridge, W. Va. Drill support. 2,575,097, Nov. 13.

Colvin, Nolan D.: *See*— Coultas, Wilbur J., Colvin, and Palmer.

Condron, Harry E., Jr., assignor to A. M. O'Leary, Dayton, Ohio. Venetian blind. 2,575,004, Nov. 13.

Confeld, James D., Rochester, N. Y., assignor to Stromberg-Carlson Company. Reverting call circuit. 2,574,532, Nov. 13.

Conmar Products Corporation, assignee: *See*— Schaye, Jack M.

Connell, Balfour Y., Cuyahoga Falls, Ohio, and W. E. Fisher, Seymour, Conn., assignors to The B. F. Goodrich Company, New York, N. Y. Pneumatic rubbery article and making same. 2,575,249, Nov. 13.

Cooney, John L., Erie, Pa. Air pilot valve. 2,575,209, Nov. 13.

Conrad, John F., assignor to Deltron Electric Products, Inc., Ebensburg, Pa. Electrical connector of the trolley tap type. 2,574,816, Nov. 13.

Consolidated Cosmetics, assignee: *See*— Heath, Clifford J., Lawrence, and Kolar.

Continental Can Company, Inc., assignee: *See*— Hermani, Louis.

Continental Oil Company, assignee: *See*— Bell, Alexander H. Mason, Joe H.

Cook, Harold L.: *See*— Van Beckum, William G., and Cook.

Cook, James E., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Discharge assembly for centrifugal separators. 2,574,531, Nov. 13.

Cooley, Lenore B., deceased, New York, N. Y.; First National Bank of Santa Fe, executor. Woman's petticoat. 2,574,861, Nov. 13.

Coover, Harry W., Jr., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Mixtures comprising polyacrylonitrile and polymeric ester-lactones. 2,575,006, Nov. 13.

Copp, William, assignor to The Callender Foundry & Manufacturing Co., Limited, Guelph, Ontario, Canada. Woodworking tool fence supporting structure. 2,575,250, Nov. 13.

Corneil, Hampton G., and J. C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Regenerating and iron-contaminated cracking catalyst. 2,575,258, Nov. 13.

Cornwell, Ralph T. K., Rosemont, E. J. Dunn, Drexel Hill, and A. W. Hunter, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Dialyzing membrane and dialysis. 2,574,533, Nov. 13.

Cosgrave, Austin B., Remsenburg, N. Y. Anticipating thermostat. 2,575,005, Nov. 13.

Coss, George R., St. Clair Shores, assignor to Flex-O-Tube Company, Detroit, Mich. Making high-pressure swivel hose couplings. 2,574,625, Nov. 13.

Coultas, Wilbur J., and N. D. Colvin, Moline, and W. B. Palmer, Rock Island, assignors to Deere & Company, Moline, Ill. Mower cutter bar mounting and adjusting means. 2,574,691, Nov. 13.

Courmettes, Henry A., Coconut Grove, Fla. Cataract bifocal lens. 2,574,960, Nov. 13.

Couture, Albert P., Detroit, Mich. Sash lock. 2,574,961, Nov. 13.

Covert, William V., and G. G. Mize, assignors to Diamond Chain Company, Inc., Indianapolis, Ind. Chain tightener. 2,575,313, Nov. 13.

Cowburn, Allan M., Islington, New South Wales, Australia. Sand drying apparatus. 2,574,911, Nov. 13.

Cox, Alvon R., Cuyahoga Falls, and F. E. Trockle, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making foamed sponge rubber articles. 2,575,259, Nov. 13.

Cox, John W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Apparatus for handling and packaging eggs. 2,574,959, Nov. 13.

Crawford, Chester C., and L. L. Jaquier, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Insecticide formulation. 2,575,098, Nov. 13.

Crew, John E., and C. P. Wilbert, Minneapolis, Minn. Gun case. 2,574,730, Nov. 13.

Cronholm, Fredrik N., Salt Lake City, Utah. Coffee brewer. 2,575,260, Nov. 13.

Crosby, Murray G., Riverhead, N. Y. Exalted carrier receiver. 2,575,047, Nov. 13.

Crosley Division, Avco Manufacturing Corporation, assignee: *See*— Russell, William J.

Cross, Garrett P. S.: *See*— Topham, Laurence E., and Cross.

Crouch, Willie W.: *See*— Schulze, Walter A., and Crouch.

Crowley, Henry L., South Orange, N. J., assignor to Henry L. Crowley & Company, Inc. Magnetic compositions. 2,575,099, Nov. 13.

Crowley, Henry L., & Company, Inc., assignee: *See*— Crowley, Henry L.

Croxall, Willard J.: *See*— Fegley, Marian F., and Croxall.

Curran, Sophie M., Hollywood, assignor, by mesne assignments, of one-half to A. H. Dryer, Los Angeles, Calif. Brassière. 2,574,962, Nov. 13.

Curto, José M., Barcelona, Spain. Valved dispensing head with auxiliary nozzle valve. 2,574,534, Nov. 13.

Cushman, Walton W., Webb City, Mo. Chronoscope. 2,574,467, Nov. 13.

Cutcher, Haskell W.: *See*— Mertz, Clyde W., and Cutcher and McBride.

Cutler-Hammer, Inc., assignee: *See*— Charbonneau, Allan P., and Russell.

Daane, Adrian H., Ames, Iowa, and W. K. Noyce, Fayetteville, Ark., assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium-cobalt alloy. 2,574,626, Nov. 13.

Daane, Adrian H., Ames, Iowa, and W. K. Noyce, Fayetteville, Ark., assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium-cobalt alloy. 2,574,627, Nov. 13.

Daisy Manufacturing Company, assignee: *See*— Hough, Cass S., Wesley, Scalingi, and Gaeke.

Dankert, Gustave D., Cary Ill. Device for storing and bundling newspapers. 2,575,048, Nov. 13.

Dannemann, Herbert: *See*— Rankin, Felix, and Dannemann.

Dapprich, William R., Pittsburgh, Pa. Apparatus for dry cleaning. 2,574,731, Nov. 13.

Davidson, Robert K., and W. Bacon, North Woodbury, Conn. Tote box and rack therefor. 2,574,692, Nov. 13.

Deakin, Stanley T., Ewell, assignor to British Mechanical Productions Limited, London, England. Resilient electric socket contact element. 2,575,161, Nov. 13.

Deal, Erastus C., Rye, assignor to Deal Slide-Lock Devices, Inc., New York, N. Y. Adjustable locking device. 2,574,535, Nov. 13.

Deal Slide-Lock Devices, Inc., assignee: *See*— Deal, Erastus C.

Dean, David M., assignor of one-half to A. Leibowitz, Chicago, Ill. Fishing pole construction. 2,575,049, Nov. 13.

Dearsley, George, Scarsdale, N. Y., assignor to Molins Machine Company Limited, London, England. Apparatus for supplying cigarettes to packing machines. 2,574,628, Nov. 13.

De Bruijn, Paulus H., Geleen, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Recovery of carbazole. 2,575,314, Nov. 13.

De Directie van de Staatsmijnen in Limburg, assignee: *See*— De Bruijn, Paulus H.

Deere & Company, assignee: *See*— Coultas, Wilbur J., Colvin, and Palmer.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,574,544, Nov. 13.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,574,545, Nov. 13.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Polymerization products of certain resins containing both hydroxyl and allyl radicals, and making same. 2,574,546, Nov. 13.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated polymerization products of certain resins containing both hydroxyl and allyl radicals and making same. 2,574,547, Nov. 13.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Certain resins containing both hydroxyl and allyl radicals, and making same. 2,574,817, Nov. 13.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions using certain hydroaromatic analogues of certain hydrophile hydroxylated synthetic products. 2,574,536, Nov. 13.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Cation-active polychloride containing an imidazoline ring and making same. 2,574,537, Nov. 13.

De Groote, Melvin, University City, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,574,538, Nov. 13.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain para-menthylcyclohexanol ethers of certain glycols. 2,574,539, Nov. 13.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain para-menthylcyclohexanol ethers of certain glycols. 2,574,540, Nov. 13.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain para-cyclohexylcyclohexanol ethers of certain glycols. 2,574,541, Nov. 13.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain para-cyclohexylcyclohexanol ethers of certain glycols. 2,574,542, Nov. 13.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,574,543, Nov. 13.

Deland, Paul, Montreal, Quebec, Canada. Machine for painting the interior of pipe bowls. 2,575,007, Nov. 13.

De la Torre, Manuel, Houston, Tex. Cigar or cigarette extinguisher. 2,575,261, Nov. 13.

De Laval Separator Company, The, assignee: *See*— Cook, James E. Strezynski, George J.

De Leudeville, Alexandre: *See*— Selz, Jacques, and de Leudeville.

Deltron Electric Products, Inc., assignee: *See*— Conrad, John F.

Denham Laboratories Limited, assignee: *See*— Harcourt, William M.

Denker, Charles T., and J. R. Moore, assignors to The Calefactor Corporation, Chicago, Ill. Boiler. 2,574,913, Nov. 13.

Dennison, Lee B., Fernwood, Idaho. Automatic shingle shake forming machine. 2,574,912, Nov. 13.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,574,629, Nov. 13.

Denton, Bethel E., Merchantville, N. J., assignor to Radio Corporation of America. Automatic control for wave forms. 2,574,732, Nov. 13.

Denton, Marion G., Auburndale, Fla. Stalk cutter. 2,574,468, Nov. 13.

De Sternberg, Jaime, Courbevoie, France. Molten metal supplying device for pressure die-casting machines. 2,575,162, Nov. 13.

Detrex Corporation, assignee: *See*— Kearney, Thomas J.

Deutsch, Alexander T., Cincinnati, Ohio. Roll machine. 2,574,548, Nov. 13.

Development Corporation, Inc., assignee: *See*— Thomas, Frank S., Jr.

Development Corporation of America, assignee: *See*— Purcell, Lee J.

Diamond Chain Company, Inc., assignee: *See*— Covert, William V., and Mize.

Dickey, Joseph B.: *See*— Coover, Harry W., Jr., and Dickey.

Diebold, Incorporated, assignee: *See*— Bocklus, George H., and Erickson.

Disbro, Ira R.: *See*— Pomeroy, Sawyer M., and Disbro.

Distillers Company Limited, The, assignee: *See*— Hall, Reginald H., and Stanley. Hawkins, Edwin G. E.

Divco Corporation, assignee: *See*— Jack, Robert K.

Donovan, Marion, Saugatuck, Conn., assignor to Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind. Diaper cover. 2,575,163, Nov. 13.

Donovan, Marion, Saugatuck, Conn., assignor to Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind. Diaper housing. 2,575,164, Nov. 13.

Donovan, Marion, Saugatuck, Conn., assignor to Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind. Diaper cover. 2,575,165, Nov. 13.

Dorgin, Abraham L., New York, N. Y. Creping nylon. 2,575,008, Nov. 13.

Doucette, Adrian R., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Portable equipment for inductive carrier communication systems. 2,574,777, Nov. 13.

Dow Chemical Company, The, assignee: *See*— Stenger, Vernon A.

Dressler, Russell G., and J. R. Bircher, Louisiana, Mo., assignors to the United States of America as represented by the Secretary of the Interior. Utilizing aqueous-organic chemical wastes from the Fischer-Tropsch process. 2,574,469, Nov. 13.

Droel, Louis W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Electrical relay. 2,574,549, Nov. 13.

Dryer, Agnes H., assignee: *See*— Curran, Sophie M.

Du Bois, Virgil L., Tulsa, Okla. Rotary table. 2,574,914, Nov. 13.

Duey, Harold S., Fairfax, Calif. Duplex thermostatic valve. 2,575,100, Nov. 13.

Duke, Harvie J., Basking Ridge, N. J. Spool holder. 2,574,862, Nov. 13.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*— Mensch, Harvey P.

Dunaway, James H., and P. B. Powell, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Azimuth measuring device. 2,575,166, Nov. 13.

Duncan, Thomas P., Jr., Newport News, Va. Pound fishing system. 2,575,050, Nov. 13.

Dunn, Edward J.: *See*— Cornwell, Ralph T. K., Dunn, and Hunter.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Multiple clutch mechanism. 2,574,778, Nov. 13.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Bechtold, Max F., and Snyder. Martin, Elmore L.

Durez Plastics and Chemicals, Inc., assignee: *See*— Sontag, Lothar A.

Dutton, C. H., Company, The, assignee: *See*— Nycum, Homer C., and Baird.

Dwyer, Francis D., Urbana, Ohio. Garment hanger. 2,574,963, Nov. 13.

Dyke, Charles L., Orange City, Iowa. Low air pressure alarm for motor vehicle tires. 2,574,863, Nov. 13.

Eakin, Lourie L., Ventura, Calif. Vehicle hoist. 2,575,262, Nov. 13.

Eastern Rubber Specialties, assignee: *See*— Teston, Rebecca O.

Eastman Kodak Company, assignee: *See*—
Aklin, George H.
Allen, Charles F. H., and Van Allan.
Askren, Lee T.
Carroll, Burt H.
Coover, Harry W., Jr., and Dickey.
Harvey, Douglass C.
Hunt, Clayton E., Jr.
Keyes, Grafton H., and Brooker.
Lee, Charles M., and Barringer.
Mihalyi, Joseph.
Smith, Kenneth E.
Tyler, Arthur W., and O'Neal.
Wallace, Roger W., and Ernisse.
Young, De Walt S.

Eaton, John F., Tulsa, Okla., assignor to Bethlehem Supply Company. Adjustable rotary counterbalance crank. 2,575,075, Nov. 13.

Eaton, Paul B., assignee: *See*—
Starnes, George F.

Eckey, Eddy W., Cincinnati, Ohio, and A. D. Abbott, Fairfax, Calif., assignors to The Procter & Gamble Company, Cincinnati, Ohio. Acyl ureide preparation. 2,574,864, Nov. 13.

Edmonds, Eugene A., assignor to Henry Vogt Machine Company, Louisville, Ky. Oil chiller. 2,574,818, Nov. 13.

Edmonds, Lee O.: *See*—
Himel, Chester M., and Edmonds.

Edwards, Clarence K., and L. D., Spokane, Wash. Coupler for toy cars and releasing means. 2,574,630, Nov. 13.

Edwards, Lawrence D.: *See*—
Edwards, Clarence K., and L. D.

Edwards, Miles L., Longview, Wash. Lubricant foam control system for engines. 2,575,315, Nov. 13.

Edwards, Miles L., Longview, Wash. Spray nozzle. 2,574,865, Nov. 13.

Edwards, William H., Houston, Tex., assignor to The Texas Company, New York, N. Y. Polished rod insulation. 2,574,550, Nov. 13.

Egger, Charles J., and R. H. Webster, Cleveland, Ohio, assignors to The Buckeye Laboratories Corporation. Purifying oil by distillation. 2,575,051, Nov. 13.

Ehrlich, Charles N., New York, N. Y., assignor to Tele-Tone Radio Corporation. Tape antenna system. 2,574,733, Nov. 13.

Eisele, Otto J., New York, N. Y. Automatic variable-speed and reverse hydraulic transmission. 2,574,819, Nov. 13.

Eisenhauer, Harry J., Sr., Buffalo, N. Y. Antiskid device. 2,575,263, Nov. 13.

Eisenstark, Julius, Brooklyn, N. Y. Syringe. 2,574,964, Nov. 13.

Electric Controller & Mfg. Co., The, assignee: *See*—
Leitch, John D., and White.

Electric & Musical Industries Limited, assignee: *See*—
White, Eric L. C.

Electrolux Corporation, assignee: *See*—
Anderson, Emil.
Brown, Raymond L.

Electronic Systems Corporation, assignee: *See*—
Lorenzen, Robert.

Elkins, Hervey B.: *See*—
Clay, John P., and Elkins.

Ellison, Lynn E., and R. R. Proctor, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Electronic tachometer. 2,574,551, Nov. 13.

Ely, George W., St. Petersburg, Fla. Constant pressure centrifugal pump. 2,574,631, Nov. 13.

Emerson, Robert L.: *See*—
Whiffen, Alma J., Emerson, and Bohonos.

Emhart Manufacturing Company, assignee: *See*—
Hiller, Everett O.
Morcom, Richard J.

Engel, Willem F., and H. Hoog, Badhuisweg, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of secondary aliphatic amines from primary aliphatic amines. 2,574,693, Nov. 13.

Engelkemeir, Donald W., Santa Fe, N. Mex., and N. Sugarman, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation detection and measuring apparatus and method. 2,574,632, Nov. 13.

Englander Company, Inc., The, assignee: *See*—
Leven, Richard R.

Ensign Ribbon Burners, Inc., assignee: *See*—
Ensign, William B., and Wildermann.

Ensign, William B., New Rochelle, N. Y., and O. Wildermann, River Edge, N. J., assignors to Ensign Ribbon Burners, Inc., Mount Vernon, N. Y. Dual band gas burner with crossover burner grid. 2,575,101, Nov. 13.

Erickson, Clarence E.: *See*—
Bocklus, George H., and Erickson.

Erickson, John E., assignee: *See*—
Nohl, Edwin J.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Antidetonating device. 2,575,210, Nov. 13.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Facilitating engine starting. 2,574,694, Nov. 13.

Erling, Sven J., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Air impurity remover. 2,574,552, Nov. 13.

Ernisse, Jaul J.: *See*—
Wallace, Roger W., and Ernisse.

Ethyl Corporation, assignee: *See*—
Rodekohr, Howard M., and Blitzer.

Evans, Clarence W., Portville, N. Y. Combination board for beehives. 2,575,102, Nov. 13.

Everhart, Elton A., assignee: *See*—
Jones, Eynon.

Everlast Pen Corporation, assignee: *See*—
Hagel, Herbert N.

Ewanyk, William, Norwalk, Conn. Combination tongue and box buckle. 2,574,695, Nov. 13.

F-S-K Manufacturing Company Incorporated, assignee: *See*—
Fels, William.

Fahey, James H.: *See*—
Yonkers, Edward H., and Fahey.

Fahnestock, Frank C.: *See*—
Utterback, Ernest, and Fahnestock.

Fahrlander, Henry W., Hamilton, Ohio. Magnetic flow gauge. 2,574,866, Nov. 13.

Fairbanks, Morse & Co., assignee: *See*—
Baker, Millard H.

Faller, Leopold, Brooklyn, N. Y. Bronzing machine. 2,574,633, Nov. 13.

Farbenfabriken, Bayer, assignee: *See*—
Jonas, Heinz, and Thraum.

Fegley, Marian F., Mont Clare, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Dichloro diether esters. 2,575,009, Nov. 13.

Fegley, Marian F., Mont Clare, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Dichloromalonaldehydrates. 2,575,010, Nov. 13.

Feilden, Geoffrey B. R., Lutterworth, assignor to Power Jets (Research & Development) Limited, London, England. Construction and mounting of fuel burner nozzles, especially for gas turbines and like apparatus. 2,575,264, Nov. 13.

Feinberg, Elliott M., assignee: *See*—
Parnes, Morris, and Gruber.

Fels, William, Foley, assignor to F-S-K Manufacturing Company Incorporated, Mobile, Ala. Pump for diesel engines. 2,574,779, Nov. 13.

Ferro Enamel Corporation, assignee: *See*—
Prislin, Robert H.

Feuer, Irving, New York, N. Y. Production of vacuums. 2,574,820, Nov. 13.

Fiedler, Leon F., Cuyahoga Falls, and P. J. Leakey, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Adhesive composition and making. 2,575,265, Nov. 13.

Filer & Stowell Co., The, assignee: *See*—
Noll, Vincent R.

Finalborgo, August C.: *See*—
Williams, Robert J., and Finalborgo.

Fink, Harry L., New Rochelle, assignor to Manhattan Terrazzo Brass Strip Co., Inc., New York, N. Y. Terrazzo strip. 2,574,553, Nov. 13.

Finney, William J., Cambridge, Mass. Frequency determination. 2,574,470, Nov. 13.

First National Bank of Santa Fe, executor: *See*—
Cooley, Lenore B.

Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Bis carbonyl dithiophosphate compounds. 2,574,554, Nov. 13.

Fischler, Paul E., assignor of one-half to J. Nathanson, Buffalo, N. Y. Radio alarm transmitting, recording, and signaling system. 2,574,696, Nov. 13.

Fisher, Ward E.: *See*—
Connell, Balfour Y., and Fisher.

Flacke, Henry C., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Arrangement of trunk lock and license plate on motor vehicles. 2,575,211, Nov. 13.

Flex-O-Tube Company, assignee: *See*—
Coss, George R.

Flink, Vernon J.: *See*—
Carlson, Evert W., and Flink.

Foltzer, Henry R., Caracas, Venezuela. Multiple selective switch. 2,575,052, Nov. 13.

Fontana, Celeste M., and E. Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of halogenated hydrocarbons. 2,575,167, Nov. 13.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Brake holding device and vacuum switch actuated control circuit therefor. 2,574,821, Nov. 13.

Forrest, John W., Brighton, and R. F. E. Stegeman, Greece, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Abbé type refractometer. 2,574,734, Nov. 13.

Foster, Augustus L., assignor of one-quarter to O. M. Foster, Kansas City, Mo. Dry cotton picker finger. 2,574,822, Nov. 13.

Foster, Harry G., Mullens, W. Va. Wheel grinder. 2,575,212, Nov. 13.

Foster, Oda M., assignee: *See*—
Foster, Augustus L.

Fragola, Caesar F., East Hempstead, N. Y., assignor to The Sperry Corporation. Gyromagnetic compass. 2,574,471, Nov. 13.

Frampton, William L., Lincoln, Nebr. Irrigation machine. 2,574,634, Nov. 13.

Franklin, Alfred L., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Rodenticide comprising 4-aminopteroyl-glutamic acid. 2,575,168, Nov. 13.

Franzheim, George W., Dunkirk, N. Y. Adjustable outlet burner head for gas or oil burners. 2,574,635, Nov. 13.

Fraser, George L., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Composition comprising a vinyl chloride resin and 3,5-dimethyl Δ4 : 5 - cyclohexene 1,2 - di - 2 - ethylhexyl dicarboxylate. 2,575,011, Nov. 13.

Fredrickson, E. H., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Power system control. 2,575,053, Nov. 13.

Fruth, Hal F., Skokie, Ill. Bimetallic fastener. 2,575,213, Nov. 13.

Fuhr, Albert B., Macomb, Ill. Screen window structure. 2,575,266, Nov. 13.

Fulkerson, Archie P., assignor to Henry Vogt Machine Company, Louisville, Ky. Fluid flow controller. 2,574,823, Nov. 13.

Fuller, Frank W., St. Paul, Minn., assignor to Rock Island Millwork Company, Rock Island, Ill. Molding tray. 2,574,915, Nov. 13.

Gaeke, Lee B.: *See*—
Hough, Cass S., Wesley, Scalingi, and Gaeke.

Gage Products Company, assignee: *See*—
Brewer, George E. F.

Galloway, Frederick M., Langhorne, assignor to Quaker Rubber Corporation, Philadelphia, Pa. Apparatus for making multiple ply extruded hose. 2,574,555, Nov. 13.

Galvao, Joseph A. C., New York, N. Y. Motor operated shaving device. 2,574,472, Nov. 13.

Gareis, Clarence J., assignor of fifty per cent to United Bakers, Inc., Forty Fort, Pa. Bread dough finishing machine. 2,574,636, Nov. 13.

Garelli, Adalberto, Sesto San Giovanni, Italy. Supporting system for bicycle engines. 2,574,824, Nov. 13.

Garland, Daniel L., Fair Lawn, and R. D. Gray, Jr., Haworth, N. J., assignors to Wright Aeronautical Corporation. Piston with plated piston ring grooves. 2,575,214, Nov. 13.

Gavin, Beauford E., Sr., Indianapolis, Ind., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Snap flask mold conveyer with automatic jacket and weight shifter. 2,575,103, Nov. 13.

Gaynor, Edwin G., Bridgeport, Conn. Clock operated switch. 2,575,215, Nov. 13.

Geier, P. A., Company, The, assignee: *See*—
Martinet, Eugene F.

General Aniline & Film Corporation, assignee: *See*—
Schmidt, Willy A., and Tulagin.

General Electric Company, assignee: *See*—
Akeley, Lloyd T.
Atchison, Leonard W.
Bangert, Charles, Jr.
Lennox, Thomas H.
Linke, Ernest A.
Prober, Maurice.
Reifschneider, Paul J.
Schultz, Warner W., and Kozoriz.
Smith-Johannsen, Robert.
Wightman, Lawrance W.

General Motors Corporation, assignee: *See*—
Baugh, Everett L.
Menzies, William E.
Sampson, Frederick W.

Genter, Albert H., Mount Lebanon, Pa. Cutter bit for mining machines. 2,574,735, Nov. 13.

Gerher, Dale C., assignor to The Hoover Company, North Canton, Ohio. Safety switch for portable appliances. 2,574,965, Nov. 13.

Gerhard-Halowich Corporation, assignee: *See*—
Halowich, Michael.

Gerow, Leonard, Temperance, Mich. Mullion strip. 2,574,736, Nov. 13.

Gerry, Everett D., New York, N. Y. Shoulder pad. 2,574,637, Nov. 13.

Gethen, George S.: *See*—
Randall, Merwyn C., and Gethen.

Getz, Alfred J., and G. D. Weed, Kalispell, Mont. Traveling shop hoist. 2,574,473, Nov. 13.

Ghijsen, Willem L.: *See*—
Mitchell, Reginald G., Hunn, Green, and Ghijsen.

Giacoletto, Savino R., San Francisco, Calif. Rat trap. 2,574,780, Nov. 13.

Gieskieng, Marion W., Denver, Colo. Railway wheel checking device. 2,574,474, Nov. 13.

Gilbert, Alan D., Cambridge, Ohio. Coaster. 2,574,638, Nov. 13.

Giles, David J., assignor to Latrobe Electric Steel Company, Latrobe, Pa. Ferrous alloys and articles made therefrom. 2,575,216, Nov. 13.

Giles, David J., assignor to Latrobe Electric Steel Company, Latrobe, Pa. Ferrous alloys and abrasive-resistant articles made therefrom. 2,575,217, Nov. 13.

Giles, David J., assignor to Latrobe Electric Steel Company, Latrobe, Pa. Ferrous alloys and abrasive-resistant articles made therefrom. 2,575,218, Nov. 13.

Giles, David J., assignor to Latrobe Electric Steel Company, Latrobe, Pa. Ferrous alloys and abrasive-resistant articles made therefrom. 2,575,219, Nov. 13.

Gladfelter, Willie I., assignor to Pangborn Corporation, Hagerstown, Md. Work blasting equipment. 2,574,867, Nov. 13.

Gleason Works, assignee: *See*—
Peters, Joseph M.

Glendenning, Everett B.: *See*—
Caron, John B. R., Glendenning, and Wies.

Goldenberg, Abraham, Brooklyn, N. Y. Stapling machine. 2,574,697, Nov. 13.

Golden State Company, Ltd., assignee: *See*—
Peebles, David D.

Goldschmidt, Max, and A. Sommer, New York, N. Y. Dust shield for eyeglasses. 2,574,639, Nov. 13.

Good, Orlo M., Caledonia, Mich. Hydraulic valve. 2,574,556, Nov. 13.

Goodchild, Frederick V., assignor to Chesterman-Leeland Co., Philadelphia, Pa. Elastic stocking and the like. 2,574,737, Nov. 13.

Goodland, John P., Pasadena, Md. Hat and tie hanger. 2,574,557, Nov. 13.

Goodman Manufacturing Company, assignee: *See*—
Wood, Claude O.

Goodrich, B. F., Company, The, assignee: *See*—
Connell, Balfour Y., and Fisher.
Cox, Alvon R., and Trockle.
Fiedler, Leon F., and Leakey.
Shelley, Thomas H.

Goodwin, George I., Birmingham, Mich. Flexible clutch plate. 2,574,966, Nov. 13.

Goorhuis, Henk: *See*—
Wiazmitinow, Alexis, and Goorhuis.

Gordon, Lawrence W., Lancaster, Calif. Aircraft control apparatus. 2,574,916, Nov. 13.

Gorin, Everett: *See*—
Fontana, Celeste M., and Gorin.

Gossner, Louis E. E., assignor to Treg, Inc., San Francisco, Calif. Flexible shackle padlock. 2,574,967, Nov. 13.

Gottlieb, Louis, Philadelphia, Pa. Apparatus for producing charged water. 2,575,267, Nov. 13.

Gowdy, William F., assignor to Archer Rubber Company, Milford, Mass. Infant's diaper cover. 2,575,054, Nov. 13.

Graber, Frances D., Canton, and J. I. Graber, Massillon, Ohio. Ornamental hair covering. 2,574,558, Nov. 13.

Graber, Jane I.: *See*—
Graber, Frances D. and J. I.

Graf, Paul R., St. Louis, and T. W. Tlapek, Richmond Heights, Mo., assignor to Port-A-Crib, Inc. Combination crib-playpen. 2,574,559, Nov. 13.

Graflex, Inc., assignee: *See*—
Steiner, Oscar.

Graham, Frank H., Edgewood, and E. G. Smith, Mount Lebanon, assignors to Amsler Morton Corporation, Pittsburgh, Pa. Recuperator tile structure. 2,574,738, Nov. 13.

Graham, John M.: *See*—
Harper, Frank A., and Graham.

Gray, Russell D., Jr.: *See*—
Garland, Daniel L., and Gray.

Great Lakes Carbon Corporation, assignee: *See*—
Stecker, Glenroy.

Green, Ernest, Chelmsford, England, assignor to Radio Corporation of America. Electron discharge tube circuit arrangement. 2,574,868, Nov. 13.

Green, Harry J., Jr., Rochester, N. Y., assignor to Stromberg-Carlson Company. Determining the rate of moisture absorption. 2,575,169, Nov. 13.

Green, Isaac, and A. Pitar, Brooklyn, N. Y. Container and sliding closure therefor. 2,574,560, Nov. 13.

Green, John D. F., assignor to Pye Limited, Cambridge, England. Switch. 2,574,869, Nov. 13.

Green, Raymond G.: *See*—
Mitchell, Reginald G., Hunn, Green, and Ghijsen.

Greene, Donald L., Reading, Pa., and C. A. Badeau, Westfield, assignors to The Thomas & Betts Co., Elizabeth, N. J. Bus bar connector. 2,574,781, Nov. 13.

Greenlaw, Charles E.: *See*—
Rooch, Allen T., and Greenlaw.

Greeott, George S., Healdsburg, Calif. Blade clod masher. 2,574,917, Nov. 13.

Greist Manufacturing Company, The, assignee: *See*—
Russell, Herbert H.

Griffith, Ronald G., Warlingham, England. Printing telegraph system. 2,575,268, Nov. 13.

Grogan, Charles H., West Falls Church, Va. Apparatus for calibrating piezoelectric crystal units. 2,574,475, Nov. 13.

Grove, Oral G.: *See*—
Abbott, Perry L., and Grove.

Grove Regulator Company, assignee: *See*—
Murray, Russell T.

Gruber, Abraham: *See*—
Parnes, Morris, and Gruber.

Guild, William L., assignor to Thomas Truck and Caster Co., Keokuk, Iowa. Barrel truck. 2,574,825, Nov. 13.

Gunn, Donald A., Kenmore, assignor to Remington Rand Inc., New York, N. Y. Filing device. 2,574,870, Nov. 13.

Gunn, Zellen W., San Rafael, Calif. Wax paper sealer. 2,574,826, Nov. 13.

Gunst, Raymond, assignor to Ciba Limited, Basel, Switzerland. Cupriferous azo-dyestuffs of the stilbene series. 2,574,782, Nov. 13.

Hagel, Herbert N., Forest Hills, assignor to Everlast Pen Corporation, New York, N. Y. Writing instrument. 2,574,561, Nov. 13.

Halslip, Albert S., Fredericksburg, Va. Double hooked lid lifting tool. 2,574,918, Nov. 13.

Hale, William C., Jr.: *See*—
Barry, John K., Jr., and Hale.

Hall, Corliss W., Dayton, Ohio. War game apparatus. 2,575,269, Nov. 13.

Hall, Raymond E., Glen Ridge, N. J. Automotive distributor. 2,574,698, Nov. 13.

Hall, Reginald H., Sutton, and H. M. Stanley, Tadworth, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. 6-alkoxy-2-dialkoxymethyl tetrahydropyrans. 2,574,919, Nov. 13.

Halowich, Michael, assignor to Gerhard-Halowich Corporation, Wausau, Wis. Trimming cans or the like. 2,575,104, Nov. 13.

Hamilton, Jean W.: *See*—
Anderson, John W., and Hamilton.

Hammerslag, Julius: *See*—
Volff, Charles L., and Hammerslag.

Hampden Specialty Products, Inc., assignee: *See*—
Schaffer, Edward A.

Handler, Ben, North Bergen, N. J., assignor, by mesne assignments, to Arthur Imerman Undergarment Co., Inc. Wearing apparel conveyer. 2,574,827, Nov. 13.

Handlos, Arthur E.: *See*—
Pierotti, Gino J., Handlos, and Reider.

Hanovia Chemical and Manufacturing Company, assignee: *See*—
Bird, Lester F.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron discharge device and circuit. 2,574,562, Nov. 13.

Harcourt, William M., Gerrards Cross, assignor to Denham Laboratories Limited, Denham, Uxbridge, England. Manufacture of composite photographic or cinematographic pictures. 2,575,270, Nov. 13.

Harley-Davidson Motor Co., assignee: *See*—
Harley, William J.

Harley, William J., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Motorcycle rear bumper, fender, and stand assembly. 2,574,739, Nov. 13.

Harper, Frank A., and J. M. Graham, Paulding, Ohio. Continuous feed brake shoe grinding fixture. 2,574,640, Nov. 13.

Harriman, Charles H., and W. H. Oscanyan, Newberg, Oreg. Oil burner lighter. 2,574,968, Nov. 13.

Harris, Carl, Cicero, Ill. Side rail connection for bedsteads. 2,575,271, Nov. 13.

Harris, Dwight E., Stamford, assignor to The Skinner Chuck Company, Norwalk, Conn. Rapid closure valve for high-flow rates at low-pressure drop. 2,575,272, Nov. 13.

Hart, Jean H. and R. H., El Reno, Okla. Telescoping tail pipe. 2,575,105, Nov. 13.

Hart, Ray H.: *See*—
Hart, Jean H. and R. H.

Hart, William J.: *See*—
Salvin, Victor S., and Hart.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Hugenholtz, Eduard H.

Hartman, Chester A., Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation. Heated blast cupola. 2,574,740, Nov. 13.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Rapid film wind device. 2,575,012, Nov. 13.

Haskett, Lester E.: *See*—
Lehane, Timothy J., Haskett, and Johnson.

Hasselstrom, Torsten, and M. Stoll, assignors, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Production of refined tall oil. 2,575,013, Nov. 13.

Hassler, Frank R., Kirkwood, Mo., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Beverage dispensing valve. 2,574,699, Nov. 13.

Hauser, Richard F., Bergenfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Producing a magnesium die-casting alloy. 2,575,273, Nov. 13.

Hawkins, Edwin G. E., Lower Kingswood, Tadworth, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Production of aliphatic di-ketones. 2,575,014, Nov. 13.

Heath, Clifford J., Phoenix, Ariz., C. A. Lawrence, Pinckney, Mich., and H. R. Kolar, assignors to Consolidated Cosmetics, Chicago, Ill. Antiseptic dental plate adhesive. 2,574,476, Nov. 13.

Hedding, Linnie K., Wilkinsburg, and R. H. Zetwo, Swissvale, assignors to Westinghouse Air Brake Company. Rectifier assembly. 2,574,783, Nov. 13.

Heidloff, Joseph R., assignor to Hydraulic Brake Company, Detroit, Mich. Tilting valve master cylinder for hydraulic brakes. 2,574,969, Nov. 13.

Heisler Machine and Tool Co., assignee: *See*—
Isella, John J.

Heldmaier, Luis, Leicester, England. Treatment of stockings and other knitted articles. 2,574,970, Nov. 13.

Heller, Maximilian, London, England. Resilient cushioning support for chairs or the like. 2,574,871, Nov. 13.

Heltzer, Harry, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Highway marking paint containing glass beads. 2,574,971, Nov. 13.

Hendricks, William E., Fair Haven, Mass., assignor to Whitin Machine Works. Thread cutter for bobbin winders. 2,575,015, Nov. 13.

Henson, Robert L., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Amplifying circuit for suppressing surges caused by gain control. 2,574,477, Nov. 13.

Hercules Powder Company, assignee: *See*—
Howell, Charles E.
Schertz, Glenwood L.

Heritage, Clark C., Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash. Phenolic adhesive and bonding wood plies. 2,574,784, Nov. 13.

Heritage, Clark C., Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash. Ingredient of adhesives and making it. 2,574,785, Nov. 13.

Herman, Nicholas: *See*—
Seybold, Frederick W., and Herman.

Hermani, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container having a spring-biased curved sliding closure. 2,575,106, Nov. 13.

Herron, Ollie L., Chicago, Ill. Window construction. 2,574,641, Nov. 13.

Hershinger, Lincoln W., Oreland, assignor to Philco Corporation, Philadelphia, Pa. Wide-band amplifier. 2,574,828, Nov. 13.

Hertz, David B.: *See*—
Piperoux, Rene P., Moeller, and Hertz.

Hess, Ralph D., Mascoutah, Ill. Crankcase attachment. 2,575,274, Nov. 13.

Hiatt, Melva E., Bethesda, Md. Multicompartment receptacle for straddling conventional hand luggage. 2,574,786, Nov. 13.

Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Oil seal for bearings. 2,574,478, Nov. 13.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Propellant having an opacifier for preventing self-ignition by radiant energy radiations. 2,574,479, Nov. 13.

Hickman Industries, Inc., assignee: *See*—
Hickman, Albert F.

Hicks, Frederick J.: *See*—
McKay, Neil S., Clements, and Hicks.

Hieb, Herbert, assignor of one-half to E. L. Wolf, Des Moines, Iowa. Portable clothesbasket. 2,574,563, Nov. 13.

Higgins, Anthony, assignee: *See*—
Agnew, Boyd.

Hill, John M., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Highway marking paint containing glass beads. 2,574,972, Nov. 13.

Hiller, Everett O., Hartford, Conn., assignor to Emhart Manufacturing Company. Apparatus for transferring bottles. 2,575,220, Nov. 13.

Hillyer, John C., and J. F. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Hydrofluorination of acetylenic hydrocarbons. 2,574,480, Nov. 13.

Hillyer, John C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing 4-vinyl-1-cyclohexene and 1,3-butadiene of high purity. 2,574,481, Nov. 13.

Hiltman, Laurence W.: *See*—
Horner, Kenneth K., and Hiltman.

Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Preparation of organic sulfenyl xanthate, sulfenyl trithiocarbonates, thiosulfenyl xanthates, and thiosulfenyl trithiocarbonates. 2,574,829, Nov. 13.

Hobbs, Charles F., Watertown, and N. B. Saunders, Cambridge, Mass., assignors to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Constant voltage positive bias supply. 2,575,107, Nov. 13.

Högberg, Knut B.: *See*—
Rosenberg, Ernst T., Högberg, and Claeson.

Högel, Lennart, T. Thelemarck, and C. Lingberg, assignors to Aljmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Apparatus for partial surface hardening of crankshafts, camshafts, or like workpieces. 2,574,564, Nov. 13.

Holben, Martin M.: *See*—
Sollinger, Ferdinand P., and Holben.

Holmes, August, Cranford, N. J., assignor to Standard Oil Development Company. Soil stabilization. 2,575,170, Nov. 13.

Holmes, Ira M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control switch. 2,574,787, Nov. 13.

Hoog, Han: *See*—
Engel, Willem F., and Hoog.

Hoover Company, The, assignee: *See*—
Gerber, Dale C.
White, Harry B.

Hoover, Merle V.: *See*—
Parker, William N., Hoover, and Vance.

Hopp, Harold P., Englewood, N. J., and A. E. Kunzelman, White Plains, assignors to Longines-Wittnauer Watch Co. Inc., New York, N. Y. Jewelry storage and display case. 2,575,016, Nov. 13.

Horner, Kenneth K., Chicago, and L. W. Hiltman, Palos Heights, Ill., assignors, by mesne assignments, to International Furniture Company. Seat structure with removable back. 2,575,221, Nov. 13.

Hornstein, Irwin: *See*—
Walter, George E., and Hornstein.
Walter, George E., Hornstein, and Steinberg.

Houdaille-Hershey Corporation, assignee: *See*—
Sebok, Frank.

Houdry Process Corporation, assignee: *See*—
Lassiat, Raymond C., and Savage.

Hough, Cass S., R. O. Wesley, C. R. Scalingi, and L. B. Gaeke, assignors to Daisy Manufacturing Company, Plymouth, Mich. Container and dispenser for strip material. 2,574,565, Nov. 13.

Hovden, Haytor, Orstavik, Norway. Clothes-washing machine. 2,574,566, Nov. 13.

Howard, Arthur C., Upminster, England. Lifting jack. 2,575,108, Nov. 13.

Howell, Charles E., Carthage, Mo., assignor to Hercules Powder Company, Wilmington, Del. Explosive device. 2,574,830, Nov. 13.

Howell, William C., Jr., Union, N. J., assignor to Standard Oil Development Company. Safety fuel for automobile type marine engines. 2,575,275, Nov. 13.

Howes, Douglas E., Northfield, Vt., assignor to the United States of America as represented by the Secretary of War. Selective amplifier. 2,575,109, Nov. 13.

Hudson, Boyd E., Jr.: *See*—
Ohsol, Ernest O., Carlson, and Hudson.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic frequency and phase control system. 2,574,482, Nov. 13.

Hughes, Albert W.: *See*—
Powell, Wilson M., and Hughes.

Hughes, Donald A., Norwalk, Conn. Viscosimeter. 2,574,973, Nov. 13.

Hulse, John R., Dover, N. J. Trailer hitch. 2,575,171, Nov. 13.

Hunn, Stanley A.: *See*—
Mitchell, Reginald G., Hunn, Green, and Ghijsen.

Hunt, Clayton E., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for synthesizing facsimile signals from coded signals. 2,575,017, Nov. 13.

Hunt, Richard H., Jr., and T. P. Malinowski, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Modified melamine resins. 2,574,741, Nov. 13.

Hunter, Alfred W.: *See*—
Cornwell, Ralph T. K., Dunn, and Hunter.

Hydraulic Brake Company, assignee: *See*—
Heidloff, Joseph R.
La Brie, Ludger E.

Hydro Power, Inc., assignee: *See*—
Zoll, Carl M.

I-T-E Circuit Breaker Company, assignee: *See*—
Fredrickson, E. H.

Ilch, Theodore E., Hempstead, assignor to United States Plywood Corporation, New York, N. Y. Apparatus for making plywood tubing. 2,574,920, Nov. 13.

Imerman, Arthur, Undergarment Co., Inc., assignee: *See*—
Handler, Ben.

Indiana Steel Products Company, The, assignee: *See*—
Von Behren, Robert A.

Industrial Management Corporation, assignee: *See*—
Knauss, Edward.

Ingersoll-Rand Company, assignee: *See*—
Carpenter, Allan O.

Interchemical Corporation, assignee: *See*—
Opp, Carl J., and Werner.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Dressler, Russell G., and Bircher.

International Furniture Company, assignee: *See*—
Horner, Kenneth K., and Hiltman.

Isella, John J., North Haven, Conn., assignor, by mesne assignments, to Heisler Machine and Tool Co., Clifton, N. J. Sheet gripper for cylinder presses. 2,575,172, Nov. 13.

Isenberg, Stanley, Chicago, Ill. Faucet spray attachment. 2,575,222, Nov. 13.

Ives, Clifford B., Tenafly, assignor to Kieley and Mueller, Inc., North Bergen, N. J. Fluid motor construction for valves or the like. 2,574,574, Nov. 13.

Jaccarino, Richard, and A. Pinson, Fairfield County, assignors to Apex Accessories Co., Inc., Greenwich, Conn. Expanding chain for wristbands. 2,574,567, Nov. 13.

Jack, Robert K., assignor to Divco Corporation, Detroit, Mich. Convertible truck floor. 2,574,483, Nov. 13.

Jacklin, Clarence: *See*—
Jacoby, Arthur L., and Jacklin.

Jacoby, Arthur L., Western Springs, and C. Jacklin, Downers Grove, assignors to National Aluminate Corporation, Chicago, Ill. Minimizing foam production in steam generation. 2,575,276, Nov. 13.

Jaeger, Clemens O., Milwaukee, Wis. Guided toy vehicle. 2,575,055, Nov. 13.

Jameson, William L., and F. L. Rogers, San Jose, Calif. Hamburger mold. 2,574,831, Nov. 13.

Janeway, Robert N., and W. Van Der Sluys, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. End connection for energy absorbers. 2,574,788, Nov. 13.

Jaquier, Lloyd L., Jr.: *See*—
Crawford, Chester C., and Jaquier.

Jarvis, Frederick W., assignor to Associated Newspapers Limited, London, England. Effecting transverse parallel plane scanning of the rotary drum. 2,574,872, Nov. 13.

Jasion, Leo Z.: *See*—
McKay, John F., Jr., and Jasion.

Jeanne, Sophie B., assignee: *See*—
Bauer, Emile.

Jespersen, Paul W., Wilmette, assignor to American Linen Supply Co., Chicago, Ill. Towel unwinding and folding machine. 2,574,642, Nov. 13.

Jobst, Conrad, Toledo, Ohio. Surgical stocking. 2,574,873, Nov. 13.

Johnson, Edward D., assignor to Wagner Electric Corporation, St. Louis, Mo. Gear shift and throttle control system. 2,575,277, Nov. 13.

Johnson, Edward W.: *See*—
Lehane, Timothy J., Haskett, and Johnson.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Apparatus for wear indicating and logging while drilling. 2,575,173, Nov. 13.

Johnson, Glen A., Tenino, Wash. Portable sawmill. 2,574,974, Nov. 13.

Johnson, James P., Shaker Heights, Ohio. Rotary pump. 2,574,921, Nov. 13.

Johnson, S. C., Inc., assignee: *See*—
Kersh, Ralph C.

Johnson Service Company, assignee: *See*—
Alyea, Harold W.

Jolie, Robert A., Marlboro, assignor to F. J. Kirk Molding Co., Inc., Clinton, Mass. Dispensing package for razor blades. 2,574,568, Nov. 13.

Jonas, Heinz, and W. Thraum, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Production of phosphorus sulfochloride. 2,575,316, Nov. 13.

Jonas, Heinz, and W. Thraum, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Production of phosphorus sulfochloride. 2,575,317, Nov. 13.

Jones, Eynon, Portland, assignor of one-third to E. A. Everhart, Molalla, Oreg. Bottle holder. 2,575,056, Nov. 13.

Jones, James E., Oklahoma City, Okla. Marble game board. 2,574,569, Nov. 13.

Joslyn Manufacturing and Supply Company, assignee: *See*—
Yonkers, Edward H., and Fahey.

Joy Manufacturing Company, assignee: *See*—
Ball, Charles F.

Kaiser-Frazer Corporation, assignee: *See*—
Libby, Edward W.

Kallmann, Heinz E., New York, N. Y. Electron beam deflecting system. 2,574,975, Nov. 13.

Karmas, George, Somerville, N. J., assignor to Ortho Pharmaceutical Corporation Catalytic dehydration process. 2,574,484, Nov. 13.

Karp, Zeev, A. Yaaqov, and M. Koffler, Tel Aviv, Palestine, said Karp assignor to said Koffler. Fruit juice extractor. 2,574,922, Nov. 13.

Kearney, Thomas J., assignor to Detrex Corporation, Detroit, Mich. Work carrier for conveyors. 2,575,278, Nov. 13.

Kearsby & Mattison Company, assignee: *See*—
Miller, Lewis B.

Keiper, Edwin H., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Endless breaker plate structure for crushers. 2,575,057, Nov. 13.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Kellogg Switchboard and Supply Company, assignee: *See*—
Bellamy, John I.

Kenna, Evalyn R., New York, N. Y. Combined toothbrush and massaging device. 2,574,789, Nov. 13.

Kennedy Car Liner & Bag Co., Inc., assignee: *See*—
Donovan, Marion.

Kerr, Arthur N., Los Angeles, Calif., assignor to Phillips Petroleum Company. Balancing tank with content indicator. 2,575,110, Nov. 13.

Kersh, Ralph C., Mishawaka, Ind., assignor by mesne assignments, to S. C. Johnson, Inc., Racine, Wis. Household appliance. 2,574,643, Nov. 13.

Keuffel & Esser Company, assignee: *See*—
Schneider, Walter H.

Keyes, Grafton H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic sensitizing dyes comprising a benzoxazole nucleus. 2,575,018, Nov. 13.

Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Adducts of 1-alkenes with polyhalogenated alkanes. 2,574,832, Nov. 13.

Kidder, Charles J., assignor to Link Aviation, Inc., Binghamton, N. Y. Flight computer for grounded aviation trainers. 2,574,570, Nov. 13.

Kiefer, Augustine J., Pittsburgh, Pa. Window structure. 2,574,742, Nov. 13.

Kieley and Mueller, Inc., assignee: *See*—
Ives, Clifford B.

Kiessling, Max, assignor to The American Fastener Company, Waterbury, Conn. Snap fastener carding machine. 2,575,019, Nov. 13.

King, Archie P., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave radar antenna. 2,575,058, Nov. 13.

King, Paul B., Jr., Mountain Lakes, assignor to Aircraft Radio Corporation, Boonton, N. J. Wave guide. 2,574,790, Nov. 13.

King-Seeley Corporation, assignee: *See*—
Sivacek, Emil E.

King, William P., Los Angeles, Calif. Child's perambulator and auto seat. 2,574,743, Nov. 13.

Kirby, Benjamin B., Kansas City, Mo. Station indicator. 2,575,174, Nov. 13.

Kirk, F. J., Molding Co., Inc., assignee: *See*—
Jolie, Robert A.

Knauss, Edward, assignor, by mesne assignments, to Industrial Management Corporation, Los Angeles, Calif. Diaphragm power chamber. 2,574,700, Nov. 13.

Knauth, Berthold A., Bolton, N. Y. and P. H. Chin, Cranford, N. J., assignors to The Motorspeed Corporation, New York, N. Y. System for thyratron control. 2,574,976, Nov. 13.

Kneeland, Verne L., Manchester, N. H. Tackless shoemaking. 2,574,485, Nov. 13.

Kobey, Silas M., assignor to Potato Chip Equipment Corporation, Denver, Colo. Weighing and packaging machine. 2,574,486, Nov. 13.

Koehler Manufacturing Company, assignee: *See*—
Wheat, Grant.

Koepke, Henry J., Waukesha, Wis. Lubricator. 2,574,744, Nov. 13.

Koeppel, Charles H., North Woodbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Calibrated two-arm sprinkler. 2,574,874, Nov. 13.

Koffler, Max: *See*—
Karp, Zeev, and Koffler.

Kolar, Hugo R.: *See*—
Heath, Clifford J., Lawrence, and Kolar.

Konrad, Henry C.: *See*—
Zimmermann, Willy E., and Konrad.

Kozoriz, Eugene P.: *See*—
Schultz, Warner W., and Kozoriz.

Kroll, Albert C., Maywood, Calif. Pneumatic switch. 2,574,791, Nov. 13.

Kronisch, Eugen, New York, N. Y. Making pharmaceutical preparations. 2,575,175, Nov. 13.

Kruger, Cyril, New York, N. Y. Necktie rack. 2,575,111, Nov. 13.

Kruger, Cyril, New York, N. Y. Necktie rack. 2,575,112, Nov. 13.

Kuljian Corporation, The, assignee: *See*—
Kuljian, Harry A.

Kuljian, Harry A., Merion, assignor to The Kuljian Corporation, Philadelphia, Pa. Apparatus for drying filaments. 2,574,833, Nov. 13.

Kulka, Marshall: *See*—
Manske, Richard H. F., Beattie, and Kulka.
Manske, Richard H. F., and Kulka.

Kunzelman, August E.: *See*—
Hopp, Harold P., and Kunzelman.

La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Tilting valve master cylinder for hydraulic brakes. 2,574,923, Nov. 13.

La Forge, Frederick B.: *See*—
Schechter, Milton S., and La Forge.

Laing, Gordon F., Delavan, Wis. Photometer. 2,574,571, Nov. 13.

L'Air Liquide Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*—
Volff, Charles L., and Hammerslag.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Straight bar knitting machine. 2,574,487, Nov. 13.

Landau, Ralph, Brooklyn, assignor, by mesne assignments, to Chempatents, Inc., New York, N. Y. Recovery of polycarboxylic acid anhydrides. 2,574,644, Nov. 13.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Fastener driving device. 2,574,875, Nov. 13.

Langdon, Jesse D., Long Beach, Calif. Cross connection eliminator. 2,574,488, Nov. 13.

Langley, Stanley, assignor to Amalgamated Electric Corporation, Limited, Toronto, Ontario, Canada. Electric switch. 2,574,745, Nov. 13.

Larson, Howard G., Pittsburgh, Pa. Vertically adjustable table with folding legs. 2,574,924, Nov. 13.

La Rue, William D., Beach Haven, N. J., assignor to Radio Corporation of America. Automatic selector mechanism for radio apparatus. 2,574,604, Nov. 13.

Lassiat, Raymond C., Swarthmore, and R. T. Savage, Ridley Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Converting hydrocarbon material. 2,574,489, Nov. 13.

Latrobe Electric Steel Company, assignee: *See*—
Giles, David J.

La Via, Joseph, Ridgewood, N. Y. Universal power input radio receiver. 2,575,059, Nov. 13.

Lawrence, Carl A.: *See*—
Heath, Clifford J., Lawrence, and Kolar.

Lawrence, George C., Pine Beach, N. J. Magnetic blind-landing system. 2,574,490, Nov. 13.

Lawson, E. P., Co., Inc., assignee: *See*—
Seybold, Frederick W., and Herman.

Leakey, Paul J.: *See*—
Fiedler, Leon F., and Leakey.

Lebus, William A., assignor to The Protectoseal Company, Chicago, Ill. Lever actuated operating mechanism for spout closures. 2,574,876, Nov. 13.

Lee, Charles M., and G. L. Barringer, assignors to Eastman Kodak Company, Rochester, N. Y. Focus adjusting mechanism for aerial cameras. 2,575,020, Nov. 13.

Lefforge, John W., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Water treating composition. 2,575,176, Nov. 13.

Lefforge, John W., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Water treating composition. 2,575,177, Nov. 13.

Lefforge, John W., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Water treating composition. 2,575,178, Nov. 13.

Lefforge, John W., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Water treating compositions. 2,575,179, Nov. 13.

Lehane, Timothy J., J. V. Vulpen, and R. J. Vlaming, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Automatically controlled vapor heating system. 2,574,877, Nov. 13.

Lehane, Timothy J., North Riverside, L. E. Haskett, Riverside, and E. W. Johnson, assignors to Vapor Heating Corporation, Chicago, Ill. Heating system control. 2,574,925, Nov. 13.

Leibowitz, Albert, assignee: *See*—
Dean, David M.

Leitch, John D., Shaker Heights, and P. G. White, assignors to The Electric Controller & Mfg. Co., Cleveland, Ohio. Dynamic braking of a single direct-current series motor. 2,575,021, Nov. 13.

Lemay, Arthur, Ozone Park, N. Y. Lens beveling machine. 2,575,022, Nov. 13.

Lenk, Wilhelm: *See*—
Bochmann, Otto, Schroder, and Lenk.

Lennox, Thomas H., Pittsfield, Mass., assignor to General Electric Company. Igniter. 2,575,113, Nov. 13.

Leonard, John R., Washington, D. C. Pipe wrench. 2,574,834, Nov. 13.

Leonard, Walker A., New York, N. Y. Glue dispenser. 2,574,645, Nov. 13.

Les Usines de Melle (Societe Anonyme), assignee: *See*—
Chassaing, Pierre, and Biarnais.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Heavy-duty mobile crane. 2,574,646, Nov. 13.

Ley, Harry, Chicago, Ill. Uniform cap. 2,575,114, Nov. 13.

Leyen, Richard R., New York, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Construction for connecting wire members together and producing and assembling the same. 2,574,572, Nov. 13.

Libby, Edward W., Belleville, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Vibration dampener. 2,574,573, Nov. 13.

Lindberg, Carl: *See*—
Hogel, Lennart, Thelemarck, and Lindberg.

Link Aviation, Inc., assignee: *See*—
Kidder, Charles J.

Linke, Ernest A., Ridgewood, N. J., assignor to General Electric Company. Tie member for the coil windings of dynamoelectric machines. 2,575,115, Nov. 13.

Linton, William C., Washington, D. C. Glow-tube voltage indicator. 2,575,279, Nov. 13.

Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.

Liversage, Albert W., Newcastle, assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa. Sagger pin. 2,574,878, Nov. 13.

Loney, Frederick R., Denver, Colo. Automatically opening and closing lifting hook. 2,574,835, Nov. 13.

Long, Leo B., Olympia, Wash. Removable protector for handles of telephone handsets. 2,575,280, Nov. 13.

Longines-Wittnauer Watch Co. Inc., assignee: *See*—
Hopp, Harold P., and Kunzelman.

Lopolito, Francisco, Buenos Aires, Argentina. Injection syringe. 2,575,281, Nov. 13.

Lorenzen, Robert, New York, N. Y., assignor to Electronic System Corporation. Magnetostrictive modulator. 2,574,647, Nov. 13.

Love, David, Edmonton, Alberta, Canada. Grain conveyer and elevator. 2,574,792, Nov. 13.

Lubin, Samuel: *See*—
Atkinson, John F., and Lubin.

Lundberg, Karl E.: *See*—
Lundberg, Kurt H. F., and K. E.

Lundberg, Kurt H. F., and K. E., Uppsala, Sweden. Burner for liquid and gaseous fuels. 2,574,879, Nov. 13.

Lurz, Frederick C., West Hempstead, N. Y. Perfume container with valved outlet operated by applicator. 2,575,180, Nov. 13.

Luther, Paul E., assignor of fifty-two one-hundredths to F. M. Ball & Co., Oakland, Calif. Liquid filler valve. 2,574,746, Nov. 13.

Lyon, George A., Detroit, Mich. Wheel cover. 2,574,491, Nov. 13.

MacIntyre, John S., Milwaukee, Wis. Paper storage and page end indicating attachment for typewriters. 2,574,575, Nov. 13.

Mack, Wayne E., Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Precipitator collecting electrode. 2,575,181, Nov. 13.

Madill, Arthur R., assignor, by mesne assignments, to D. E. Mead, doing business as Mulsifier Implement Company, Detroit, Mich. Supporting and driving structure for rotary tilling tines and the like. 2,575,223, Nov. 13.

Malinowski, Theodore P.: *See*—
Hunt, Richard H., Jr., and Malinowski.

Malis, Morris M., Atlantic City, N. J. Machine for crocheting cord. 2,574,701, Nov. 13.

Manhattan Terrazzo Brass Strip Co., Inc., assignee: *See*—
Fink, Harry L.

Manley, Owen E., Springfield, Ill. Railway crossing bar. 2,574,926, Nov. 13.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Moore, George E.

Manske, Richard H. F., R. W. Beattie, and M. Kulka, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Thiophosphates. 2,575,224, Nov. 13.

Manske, Richard H. F., and M. Kulka, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Preparation of O-alkyl dichlorothiophosphates. 2,575,225, Nov. 13.

Maracz, William A., Parma, Ohio, assignor to The American Steel and Wire Company of New Jersey. Die preparation. 2,574,793, Nov. 13.

Marathon Coal Bit Company, Inc., assignee: *See*—
Stephens, Robert J.

Marcell, Reginald C., Thames Ditton, assignor to D. Napier & Son Limited, London, England. Filler cap and other closures. 2,574,836, Nov. 13.

Marsh, Glenn A., Crystal Lake, assignor to The Pure Oil Company, Chicago, Ill. Prevention of corrosion of steel by brine containing dissolved oxygen. 2,574,576, Nov. 13.

Martin, Daniel W., Blackwood, and W. R. Ayres, Oaklyn, N. J., assignors to Radio Corporation of America. Electronic swinging bell. 2,574,577, Nov. 13.

Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic silver halide emulsions and developers containing 5-acyloxypyrazole color formers. 2,575,182, Nov. 13.

Martin, Eugene, Wesleyville, Pa., assignor to Read Standard Corporation. Fuel receiving and conveying apparatus. 2,575,023, Nov. 13.

Martin, Glenn L., Company, The, assignee: *See*—
Walter, George E., and Hornstein.
Walter, George E., Hornstein, and Steinberg.
Ward, Roger.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Crystal grinder attachment for suction cleaners. 2,574,578, Nov. 13.

Maryland Devices, Inc., assignee: *See*—
Samuels, Abe O.

Mason, Joe H., assignor to Continental Oil Company, Ponca City, Okla. Rail connector. 2,574,648, Nov. 13.

Mastin, Irene, Chicago, Ill. Container. 2,574,927, Nov. 13.

Mather & Platt Limited, assignee: *See*—
Mather, Roy C.

Mather, Roy C., assignor to Mather & Platt Limited, Manchester, England. Cloth stentering machine. 2,574,928, Nov. 13.

Mathewson Machine Works, Inc., assignee: *See*—
Mathewson, Wilfred F.

Mathewson, Wilfred F., Boston, assignor to Mathewson Machine Works, Inc., Quincy, Mass. Pulp screen. 2,574,977, Nov. 13.

Mattern, Raymond P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 2,575,318, Nov. 13.

Matthias, Lynn H., Fox Point, assignor to Allen-Bradley Company, Milwaukee, Wis. Arc interrupter for electric switches. 2,575,060, Nov. 13.

Maxwell, Leoma B., Avon Park, Fla. Multiple fruit peeler and shredder. 2,574,794, Nov. 13.

Maytag Company, The, assignee: *See*—
Smith, Thomas R.

McBee, Earl T., and W. S. Barnhart, West Lafayette, Ind., assignors to the United States of America as represented by the United States Atomic Energy Commission. Alkyl ether of chlorofluoro heptene. 2,574,649, Nov. 13.

McBride, John A.: *See*—
Mertz, Clyde W., and Cutcher, and McBride.

McBride, John W., assignor to Bantar, Incorporated, Burbank, Calif. Musical instrument. 2,574,880, Nov. 13.

McBride, John W., assignor to Bantar, Incorporated, Burbank, Calif. Stringed musical instrument. 2,574,881, Nov. 13.

McClain, John R., Wooster, Ohio. Automatic electric circulation heater for automobiles. 2,574,929, Nov. 13.

McCoy, Joe, and E. O. Weining, assignors to Boeing Airplane Company, Wichita, Kans. Cable connector. 2,574,579, Nov. 13.

McDowell, Thomas E., and P. S. Rockwell, assignors to The Pyle-National Company, Chicago, Ill. Explosion-proof lighting fixture having isolated compartments. 2,574,882, Nov. 13.

McHarry, John W., Juniata, Nebr. Resilient shoe flap connecting and fastening means. 2,575,226, Nov. 13.

McKay, John F., Jr., Cranford, and L. Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company. Selective crab grass herbicidal compositions containing oxo bottoms. 2,575,282, Nov. 13.

McKay, Neil S., Deerfield, Ill., A. L. Clements, De Leon Springs, Fla., and F. J. Hicks, Hoboken, N. J., assignors to American Hair & Felt Company, Chicago, Ill. Drive control system for felt production. 2,574,580, Nov. 13.

McKinney, Guy E., and P. J. Motter, Canton, Ohio. Alloying magnesium with ferrous metals. 2,574,581, Nov. 13.

McLean, Lyle G., Warden, Wash. Classifier and separator. 2,574,493, Nov. 13.

McMahon, William, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compounding finely divided solids with butadiene-styrene synthetic rubber latices utilizing alkaline lignin solutions as dispersing agents. 2,575,061, Nov. 13.

McNutt, Clara E., Toledo, Ohio. Spray device. 2,574,747, Nov. 13.

Mead, Delazon E., assignee: *See*—
Madill, Arthur R.

Meade, Reginald E.: *See*—
Peebles, David D., and Meade.

Medal, Einar, Albany, assignor to Remington Rand Inc., New York, N. Y. Film spool. 2,574,883, Nov. 13.

Meehanite Metal Corporation, assignee: *See*—
Hartman, Chester A.
Smalley, Oliver.

Meighan, Robert W., Spokane, Wash. Bed cover and holder. 2,574,748, Nov. 13.

Mendelsohn, William A., Chicago, Ill. Clip-on sunglasses. 2,574,749, Nov. 13.

Menrath, Joseph E., Chicago, Ill. Jar and jacket therefor. 2,575,283, Nov. 13.

Mensch, Harvey P., Orange, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Shield for tube sockets. 2,574,978, Nov. 13.

Menzies, William E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Cross-connected armature. 2,574,650, Nov. 13.

Merck & Co., Inc., assignee: *See*—
Sletzinger, Meyer, and Tishler.

Merit Engineering, Inc., assignee: *See*—
Stevenson, Robert.

Merry, Edward C., assignor of one-half to G. M. Turner, Greensboro, N. C. Differential wheel unit for trailers or the like. 2,575,064, Nov. 13.

Merry, Edward C., assignor of one-half to G. M. Turner, Greensboro, N. C. Differential wheel unit. 2,575,065, Nov. 13.

Mertz, Clyde W., and H. W. Cutcher, Borger, and J. A. McBride, Phillips, Tex., assignors to Phillips Petroleum Company. Oxidation of mercaptans. 2,574,884, Nov. 13.

Merwin, Harry H., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel spindle. 2,575,062, Nov. 13.

Messinger, William, Philadelphia, Pa. Vertical axis dispersion mill with drive motor supported from conical grinding head. 2,574,979, Nov. 13.

Mette, Norman H., Detroit, Mich. Colostomy bag. 2,575,063, Nov. 13.

Mettetal, Donald, Jr., Chicago, Ill. Tow-bar brake actuator. 2,575,183, Nov. 13.

Meyers, Donald N., Philadelphia, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Sustaining rotor blade. 2,574,651, Nov. 13.

Meyers, Donald N., Philadelphia, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Rotary wing blade. 2,574,980, Nov. 13.

Meze, Frank R.: *See*—
Behman, Gerald A., and Meze.

Mierzejewski, Konstanty W. and P. I., Pottstown, Pa. Scalp massaging apparatus. 2,575,066, Nov. 13.

Mierzejewski, Peggy I.: *See*—
Mierzejewski, Konstanty W. and P. I.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Roll film camera utilizing spring closed film retorts. 2,575,024, Nov. 13.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Light lock for roll-film spools. 2,575,025, Nov. 13.

Miller, Clarence H., Menlo Park, Calif. Adjustable stop for power tools. 2,574,653, Nov. 13.

Miller, Donald S., Westfield, N. J., assignor to United States Steel Company. Automatically recording torque magnetometer. 2,574,795, Nov. 13.

Miller, Lewis B., assignor to Keasbey & Mattison Company, Ambler, Pa. Producing needle crystals of magnesium carbonate. 2,574,652, Nov. 13.

Milling, Martin A.: *See*—
Baxter, Robert R., and Milling.

Miner, W. H., Inc., assignee: *See*—
Dentler, Arnold E.

Minerec Corporation, assignee: *See*—
Fischer, Arthur H.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Mattern, Raymond P.
Mouzon, James C.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Heltzer, Harry.
Hill, John M.

Mitchell, Reginald G., Brighton, S. A. Hunn, Hassocks, R. G. Green, New Malden, England, and W. L. Ghijsen, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Bituminous composition. 2,574,930, Nov. 13.

Mize, George G.: *See*—
Covert, William V., and Mize.

Moeller, William P.: *See*—
Piperoux, Rene P., Moeller, and Hertz.

Mohawk Carpet Mills, Inc., assignee: *See*—
Shuttleworth, Howard L.

Molins Machine Company Limited, assignee: *See*—
Dearsley, George.

Moloney Raymond T., assignee: *See*—
Von Stoeser, Walter.

Monsanto Chemical Company, assignee: *See*—
Fraser, George L.
Hunt, Richard H., Jr., and Malinowski.
Lefforge, John W.
Rossin, Elmer H.

Moore, Albert J., Union, assignor to The Thomas & Betts Co., Elizabeth, N. J. Hot line connector. 2,574,796, Nov. 13.

Moore, George E., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich. Power-driven friction winch. 2,574,981, Nov. 13.

Moore, John R.: *See*—
Denker, Charles T., and Moore.

Moore, Louie N., Benson, Ariz. Tongue cleaner. 2,574,654, Nov. 13.

Moore, Richard F., Trumbull, Conn., assignor to Moore Special Tool Co. Inc. Wheel truing device. 2,575,228, Nov. 13.

Moore Special Tool Co. Inc., assignee: *See*—
Moore, Richard F.

Moore, Telford I., North Hollywood, Calif. Implant for artificial eyes. 2,574,750, Nov. 13.

Moore, Vincent, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Gas turbine control system. 2,575,229, Nov. 13.

Morcom, Richard J., West Hartford, Conn., assignor to Emhart Manufacturing Company. Gauging device for glass containers and the like. 2,575,227, Nov. 13.

Morgan Construction Company, assignee: *See*—
O'Malley, Joseph M.

Mork, Raymond P., assignor to The Baldwin Company, Cincinnati, Ohio. Electrically noiseless progressive contact means. 2,575,230, Nov. 13.

Morrell, Charles E., Westfield, and R. F. Robey, Cranford, N. J., and N. C. Robertson, Corpus Christi, Tex., assignors to Standard Oil Development Company. Extractive distillation of polymer-containing alcohols. 2,575,284, Nov. 13.

Morway, Arnold J., Clark-Rahway, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Lubricating grease composition. 2,575,286, Nov. 13.

Moses, Edmund Q.: *See*—
Moses, Josephine H. and E. Q.

Moses, Josephine H. and E. Q., Scarborough, N. Y. Curler for making pin curls. 2,575,184, Nov. 13.

Motorspeed Corporation, The, assignee: *See*—
Knauth, Berthold A., and Chin.

Motter, Paul J.: *See*—
McKinney, Guy E., and Motter.

Moulton, Wayne B., Detroit, Mich. Fish lure. 2,574,702, Nov. 13.

Mouzon, James C., Wyndmoor, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Alternating-current motor control apparatus. 2,574,837, Nov. 13.

Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Ion trap. 2,575,067, Nov. 13.

Mueller Co., assignee: *See*—
Mueller, Frank H., and Bowan.

Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Liquid meter yoke. 2,574,982, Nov. 13.

Mulholland, Frank J., Hempstead, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Airfoil. 2,575,185, Nov. 13.

Mulsifier Implement Company, assignee: *See*—
Madill, Arthur R.

Murray, Russell T., El Cerrito, assignor to Grove Regulator Company, Oakland, Calif. Cutter head structure with hydraulically operated cutter mountings. 2,575,116, Nov. 13.

Myers, Oscar G., Fairmont, W. Va. Coal gathering and loading apparatus for mine conveyers. 2,575,287, Nov. 13.

Naken, William, Chicago, Ill. Sanding device. 2,575,117, Nov. 13.

Nallinger, Friedrich K. H., Stuttgart, Germany. Indicator device for controlling the period of operation of engines. 2,574,583, Nov. 13.

Nanna, Frank S., North Lake Village, Ill. Automatic food forming and cooking machine. 2,575,068, Nov. 13.

Napier, D., & Son Limited, assignee: *See*—
Marcell, Reginald C.

Nasmith, John L., assignor to Vickers-Armstrongs Limited, London, England. Apparatus for the surface coating of web materials. 2,574,584, Nov. 13.

Nason, Richard N., Jr., San Francisco, Calif., assignor to Stauffer Chemical Company. Container for corrosive fluids. 2,574,931, Nov. 13.

Nathanson, John, assignee: *See*—
Fischler, Paul E.

National Aluminate Corporation, assignee: *See*—
Jacoby, Arthur L., and Jacklin.
Ryznar, John W.

National Distillers Products Corporation, assignee: *See*—
Hasselstrom, Torsten, and Stoll.

National Inventions Corporation, assignee: *See*—
Bridges, John H.

National Malleable and Steel Castings Company, assignee: *See*—
Gavin, Beauford E., Sr.
Pollard, Frank R., and Young.

National Plastic Products Company, The, assignee: *See*—
Salkin, Jerome.

National Rubber Machinery Company, assignee: *See*—
Bücken, Hans E.

National Tube Company, assignee: *See*—
Bannister, Bryant.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Reed, William A., and Shapiro.
Rockwell, Gaynor O.
Stokes, Robert R.

Nelson, Carl F., Mill Valley, and V. A. Nelson, Oakland, Calif. Collapsible tube dispensing device having rockable tube-engaging members. 2,574,797, Nov. 13.

Nelson, Verner A.: *See*—
Nelson, Carl F. and V. A.

Neva-Clog Products, Inc., assignee: *See*—
Vogel, Rudolf.

Nielsen, Christian, assignor to Arden Farms Co., Los Angeles, Calif. Refrigerated milk delivery truck. 2,574,585, Nov. 13.

Nielsen, Joseph N., Washington, D. C. Slide rule. 2,575,288, Nov. 13.

Niswander, Willis E., La Verne, Calif. Holder for checks, record slips, and the like. 2,574,885, Nov. 13.

Nohl, Edwin J., assignor of fifty per cent to J. E. Erickson, Hancock, Minn. Special purpose ear corn rake. 2,574,932, Nov. 13.

Noll, Vincent R., assignor to The Filer & Stowell Co., Milwaukee, Wis. Engine for producing reciprocatory motion having substantially constant velocity except during reversals. 2,574,751, Nov. 13.

Nordberg Manufacturing Company, assignee: *See*—
Shafter, Ruland R.

Nowak, David S., Silver Lake, Minn. Rotary turbine type hydraulic coupling. 2,574,492, Nov. 13.

Noyce, William K.: *See*—
Daane, Adrian H., and Noyce.

Nulty, William B., trustee, assignee: *See*—
Shepard, Ernest L.

Nycum, Homer C., and C. O. Baird, assignors to The C. H. Dutton Company, Kalamazoo, Mich. Safety burner control and ignition switching mechanism for providing a purging period. 2,575,289, Nov. 13.

Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
Hobbs, Charles F., and Saunders.

Ogren, Axel E., Chicago, Ill. Ornamental wall switch. 2,574,933, Nov. 13.

Ohsol, Ernest O., Cranford, C. S. Carlson, Roselle, and B. E. Hudson, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Continuous process for manufacture of perchloromethyl mercaptan. 2,575,290, Nov. 13.

Oldham, Wilbur N.: *See*—
Thurston, Jack T., and Oldham.

O'Leary, Allan McI., assignee: *See*—
Condron, Harry E., Jr.

Oliver, Edd C., deceased, Adrian, Mich.; G. R. Oliver, executrix, assignor to G. R. Oliver. Tool-supporting device. 2,574,586, Nov. 13.

Oliver, Genevieve R., executrix, assignee: *See*—
Oliver, Edd C.

Olson, Einer C., Milwaukee, Wis. Laundry machine having washing, rinsing, and liquid expelling means. 2,574,752, Nov. 13.

Olson, Frances F., Zanesville, Ohio. Educational head structure with shiftable vocal members. 2,574,838, Nov. 13.

O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Vertical rolling mill. 2,575,231, Nov. 13.

O'Neal, Russell D.: *See*—
Tyler, Arthur W., and O'Neal.

Oneto, Victor P.: *See*—
Trout, Allan E., and Oneto.

Opp, Carl J., and R. E. Werner, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y. Copolymerization of conjugated drying oils and acids with polymerizable unsaturated compounds. 2,574,753, Nov. 13.

Orelup, John W.: *See*—
Bamberger, Curt, and Orelup.

Orr, Claude L.: *See*—
Settles, James C., and Orr.

Ortho Pharmaceutical Corporation, assignee: *See*—
Karmas, George.

Oscanyan, William H.: *See*—
Harriman, Charles H., and Oscanyan.

Overhead Door Corporation, assignee: *See*—
Blodgett, Herbert C.

Owen, William E., Hamilton, Ontario, Canada. Apparatus for baking bread and similar food products. 2,575,291, Nov. 13.

Owens-Illinois Glass Company, assignee: *See*—
Shuman, Everett C.
Walker, George W.

Pacific Car and Foundry Company, assignee: *See*—
Schou, Carl E.

Pacific Electric Manufacturing Corporation, assignee: *See*—
Thompson, Joseph S., and Ray.

Palmer, William B.: *See*—
Coultas, Wilbur J., Colvin, and Palmer.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Timing apparatus. 2,574,494, Nov. 13.

Pangborn Corporation, assignee: *See*—
Gladfelter, Willie I.

Panofsky, Wolfgang K. H., and W. R. Baker, Alameda, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for focusing high-energy particles. 2,574,655, Nov. 13.

Parke, Davis & Company, assignee: *See*—
Pollard, Cash B., and Wicker.

Parker, Frank A., Jr., U. S. Navy. Flame igniter for jet propulsion units. 2,574,495, Nov. 13.

Parker, William N., Lancaster, M. V. Hoover, Mountville, Pa., and H. C. Vance, Maplewood, N. J., assignors to Radio Corporation of America. Electron tube protective system. 2,575,232, Nov. 13.

Parnes, Morris, and A. Gruber, assignors to E. M. Feinberg, New York; N. Y. Hot water circulator. 2,574,587, Nov. 13.

Patent Chemicals Incorporated, assignees *See*—
Bamberger, Curt, and Orelup.

Pattison, Grange K., assignor to Textile Mills Company, Chicago, Ill. Flatiron cover and protector. 2,575,118, Nov. 13.

Paul, Wilhelm H., and E. F. Trenkle, assignors to Badische Uhrenfabrik G. m. b. H., Furtwangen, Black Forest, Germany. Device for releasing acoustical time signals in clocks. 2,574,703, Nov. 13.

Paul, Wilhelm H., and E. F. Trenkle, assignors to Badische Uhrenfabrik G. m. b. H., Furtwangen, Black Forest, Germany. Mechanism for cuckoo clocks. 2,574,704, Nov. 13.

Peebles, David D., Hillsborough, assignor to Golden State Company, Ltd., San Francisco, Calif. Atomizing apparatus. 2,574,705, Nov. 13.

Peebles, David D., Hillsborough, Calif., and R. E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Spray drying equipment and method. 2,575,119, Nov. 13.

Peel, George A., Livingston, Calif. Bean harvester catcher attachment. 2,575,120, Nov. 13.

Pelton Water Wheel Company, The, assignee: *See*—
White, Ira M.

Pelzer, Harold H., New York, N. Y. Spectacle lens mount. 2,574,839, Nov. 13.

Penn Electric Switch Co., assignee: *See*—
Schell, Paul.

Pennsylvania Crusher Company, assignee: *See*—
Keiper, Edwin H.

People in the territory of the United States, dedicated to the free use of the, assignee: *See*—
Schechter, Milton S., and La Forge.

Peoples First National Bank & Trust Company, assignee: *See*—
Liversage, Albert W.

Perrault Bros., assignee: *See*—
Perrault, Lewis.

Perrault, Lewis, assignor to Perrault Bros., Tulsa, Okla. Segmental coating shoe for pipe and the like. 2,574,706, Nov. 13.

Perry, John C., Cranston, R. I., assignor to Perry Products, Inc. Internal-combustion engine. 2,574,934, Nov. 13.

Perry Products, Inc., assignee: *See*—
Perry, John C.

Persons-Majestic Mfg. Co., assignee: *See*—
Persons, Robert C.

Persons, Robert C., assignor to Persons-Majestic Mfg. Co., Worcester, Mass. Crash guard for bicycles and the like. 2,575,292, Nov. 13.

Petek, Joseph E., Cleveland, Ohio. Sound producing instrument and diaphragm therefor. 2,575,293, Nov. 13.

Peters, Joseph M., assignor to Gleason Works, Rochester, N. Y. Collet chuck. 2,574,754, Nov. 13.

Peterson, John B., deceased, Bethesda, Md.; R. L. Peterson, administratrix. True airspeed indicator. 2,574,656, Nov. 13.

Peterson, Ruth L., administratrix: *See*—
Peterson, John B.

Petrie, James E., assignor to Petrie Specialties Co., Minneapolis, Minn. Clip. 2,574,755, Nov. 13.

Petrie Specialties Co., assignee: *See*—
Petrie, James E.

Petro-Chem Process Company Incorporated, assignee: *See*—
Wallis, John S., and Throckmorton.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin.
De Groote, Melvin, and Keiser.
De Groote, Melvin, and Wirtel.
De Groote, Melvin, Wirtel, and Pettingill.

Petsch, Harold A., Minneapolis, Minn. Injecting a flowable substance into a stream of liquid. 2,574,756, Nov. 13.

Pettingill, Owen H.: *See*—
De Groote, Melvin, Wirtel, and Pettingill.

Pettus, James L., North Hollywood, and F. E. Pontius, Los Angeles, Calif., assignors to Radio Corporation of America. Magnetic head and mount therefor. 2,574,707, Nov. 13.

Philco Corporation, assignee: *See*—
Hershinger, Lincoln W.

Phillips, Hyman, assignor to Oscar Phillips Company, Cincinnati, Ohio. Fluorescent lighting fixture having means to center and align the fixture on a support. 2,574,886, Nov. 13.

Phillips, Oscar, Company, assignee: *See*—
Phillips, Hyman.

Phillips Petroleum Company, assignee: *See*—
Arnold, Philip M.
Crawford, Chester C., and Jaquier.
Hillyer, John C.
Hillyer, John C., and Wilson.
Himel, Chester M., and Edmonds.
Kerr, Arthur N.
Mertz, Clyde W., Cutcher, and McBride.
Schulze, Walter A., and Crouch.
Snyder, Harold R., and Stewart.

Photoswitch, Incorporated, assignee: *See*—
Cade, Phillip J.

Piasecki Helicopter Corporation, assignee: *See*—
Meyers, Donald N.

Pierce, Harold C., Pomona, Calif. Flexible power transmitting mechanism. 2,574,657, Nov. 13.

Pierce, Harold C., Pomona, Calif. Lading brace for freight cars. 2,574,658, Nov. 13.

Piéri, Jean, and J. Casalonga, Marseille, France. Flexible medical probe. 2,574,840, Nov. 13.

Pierotti, Gino J., Albany, A. E. Handlos, Berkeley, and C. M. Reider, Alameda, assignors to Shell Development Company, San Francisco, Calif. Separation of saturated from unsaturated aldehydes. 2,574,935, Nov. 13.

Pinson, Alfred: *See*—
Jaccarino, Richard, and Pinson.

Piperoux, Rene P., Radburn, N. J., W. P. Moeller, Baldwin, and D. B. Hertz, New York, N. Y., assignors to Celanese Corporation of America. Sheet polishing apparatus and process. 2,574,589, Nov. 13.

Pirwitz, Friedrich A. G., Rochester, G. P. Pirwitz, Irondequoit, and J. H. Sutton, assignors to Wollensak Optical Company, Rochester, N. Y. Photographic shutter with built-in flash synchronizer. 2,575,121, Nov. 13.

Pirwitz, Gustave P.: *See*—
Pirwitz, Friedrich A. G., G. P., and Sutton.

Pitar, Adolph: *See*—
Green, Isaac, and Pitar.

Plasse, Gustave, Nice, France. Exhaust muffler with conical baffle plates. 2,575,233, Nov. 13.

Pollard, Cash B., and T. H. Wicker, Gainesville, Fla., assignors to Parke, Davis & Company, Detroit, Mich. Piperazine compounds. 2,575,122, Nov. 13.

Pollard, Frank R., Indianapolis, Ind., and C. M. Young, Jr., Philadelphia, Pa., assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Automatic jacket and weight shifter for snap flask mold conveyers. 2,575,123, Nov. 13.

Pollitt, Chester R., Portland, Oreg. Handle-mounted floor waxer having liquid dispenser with valve operable from upper end of handle. 2,575,124, Nov. 13.

Pomeroy, Sawyer M., Lyndhurst, and I. R. Disbro, Lakewood, assignors to The W. S. Tyler Company, Cleveland, Ohio. Supporting and guiding horizontally sliding doors. 2,574,496, Nov. 13.

Pontius, Frank E.: *See*—
Pettus, James L., and Pontius.

Port-A-Crib, Inc., assignee: *See*—
Graf, Paul R., and Tlapek.

Potato Chip Equipment Corporation, assignee: *See*—
Kobey, Silas M.

Powell, Paul B.: *See*—
Dunaway, James H., and Powell.

Powell, Wilson M., and A. W. Hughes, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Timing apparatus. 2,574,841, Nov. 13.

Power Jets (Research & Development) Limited, assignee: *See*—
Feilden, Geoffrey B. R.

Prescott, Charles H., Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for purifying and packaging uranium hexachloride. 2,574,842, Nov. 13.

Preslin, Robert H., Cleveland Heights, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Hammer metal finish. 2,574,659, Nov. 13.

Pro, George M.: *See*—
Andrews, Boley A., and Pro.

Prober, Maurice, Schenectady, N. Y., assignor to General Electric Company. Butadiene and 1,1,2-trichloro-3,3,3-trifluoropropene-1. 2,575,125, Nov. 13.

Procter & Gamble Company, The, assignee: *See*—
Eckey, Eddy W., and Abbott.

Proctor, Ronald R.: *See*—
Ellison, Lynn E., and Proctor.

Protectoseal Company, The, assignee: *See*—
Lebus, William A.

Purcell, Lee J., assignor to Development Corporation of America, Los Angeles, Calif. Phonograph record storage cabinet. 2,574,757, Nov. 13.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C., and Russell.
Ellison, Lynn E., and Proctor.
Marsh, Glenn A.

Putorak, Walter B., Philadelphia, Pa. Sectional baking pan. 2,575,294, Nov. 13.

Pye, Harold C., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Substation circuit having manual control of receiving and transmitting efficiency. 2,574,887, Nov. 13.

Pye Limited, assignee: *See*—
Green, John D. F.

Pyle-National Company, The, assignee: *See*—
McDowell, Thomas E., and Rockwell.

Quaker Rubber Corporation, assignee: *See*—
Galloway, Frederick M.

Race, Austin T., Jr., Winter Haven, Fla. Dehumidifier. 2,575,234, Nov. 13.

Radio Corporation of America, assignee: *See*—
Ancona, Edward P., Jr.
Clark, John F., III.
Denton, Bethel E.
Green, Ernest.
Hansell, Clarence W.
La Rue, William D.
Martin, Daniel W., and Ayres.
Parker, William N., Hoover, and Vance.
Pettus, James L., and Pontius.
Rettinger, Michael.
Sachtleben, Lawrence T.
Uhlig, Erich J.

Rafferty, James F.: *See*—
Tinnerman, George A., and Rafferty.

Ragin, Douglas H., assignor of one-half to F. W. Woodard, Philadelphia, Pa. Vise for straightening fenders. 2,574,589, Nov. 13.

Ramsey, James C., Lincoln, N. Mex. Arrow holding attachment or rack for hunting bows. 2,575,126, Nov. 13.

Randall, Merwyn C., Philadelphia, Pa., and G. S. Gethen, Collingswood, N. J. Insulating finishing cements. 2,574,843, Nov. 13.

Rankin, Felix, and H. Dannemann, Brooklyn, N. Y. Casing for boilers. 2,575,069, Nov. 13.

Rasmussen, Christian O., assignor to Simplex, Copenhagen, Denmark. Washing and drying machine. 2,574,798, Nov. 13.

Rauland Corporation, The, assignee: *See*—
Szegho, Constantin S.

Ray, Charles R.: *See*—
Thompson, Joseph S., and Ray.

Read Standard Corporation, assignee: *See*—
Martin, Eugene.

Reed, Arthur W., Little Rock, Ark. Beverage case. 2,574,983, Nov. 13.

Reed Roller Bit Company, assignee: *See*—
Stokes, John C.

Reed, William A., Waban, and A. H. Shapiro, Arlington, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Jacketed combustion pot with fuel and air nozzle head. 2,575,070, Nov. 13.

Reichard-Coulston, Inc., assignee: *See*—
Bennetch, Leonard M.

Reider, Charles M.: *See*—
Pierotti, Gino J., Handlos, and Reider.

Reifschneider, Paul J., Springfield, Pa., assignor to General Electric Company. Reverse current responsive device. 2,575,127, Nov. 13.

Reiner, Robert, Inc., assignee: *See*—
Lambach, Fritz.

Remington Rand Inc., assignee: *See*—
Gunn, Donald A.
Medal, Elnar.

Renner, Patrick C., Chicago, Ill. Radiographic apparatus. 2,575,295, Nov. 13.

Renzetti, Luigi, Medford, Mass. Window screen. 2,575,128, Nov. 13.

Republic Aviation Corporation, assignee: *See*—
Mulholland, Frank J.

Republic Steel Corporation, assignee: *See*—
Schaefer, Frederick R.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Vibratile pickup for magnetic recorders. 2,574,708, Nov. 13.

Rhodes, M. H., Incorporated, assignee: *See*
Rhodes, Marcus H.

Rhodes, Marcus H., assignor to M. H. Rhodes Incorporated, Hartford, Conn. Timer. 2,574,497, Nov. 13.

Ridder, Joseph U., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Metal furniture. 2,574,758, Nov. 13.

Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Protective device. 2,574,888, Nov. 13.

Riegel Paper Corporation, assignee: *See*—
Borden, George C., Jr.

Ritepoint Co., assignee: *See*—
Brewer, Harry W.

Ritter Company, Inc., assignee: *See*—
Sweeney, Frank B.

Rizzolo, Gerardo, East Orange, N. J. Garment marker. 2,574,709, Nov. 13.

Roberts, Earl H., Ravena, N. Y. Mechanical coin wrapper. 2,574,660, Nov. 13.

Robertshaw-Fulton Controls Company, assignee: *See*—
Branson, Charles D.
Strobel, Charles K.
Watkins, William M., Jr.

Robertson, Nat C.: *See*—
Morrell, Charles E., Robey, and Robertson.

Robey, Richard F.: *See*—
Morrell, Charles E., Robey, and Robertson.

Rock Island Millwork Company, asignee: *See*—
Fuller, Frank W.

Rockwell, Gaynor O., Huston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Explosive-operated device. 2,575,071, Nov. 13.

Rockwell, Philip S.: *See*—
McDowell, Thomas E., and Rockwell.

Rodekohr, Howard M., and S. M. Blitzer, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Continuous process for making alkyllead compounds. 2,574,759, Nov. 13.

Roden, William F., Carl Place, N. Y. Apparatus for drying sheet material. 2,574,844, Nov. 13.

Rodgers, William C., East Orange, N. J. Cleansing tissue package and packaging. 2,574,710, Nov. 13.

Rogers, Frank L.: *See*—
Jameson, William L., and Rogers.

Rogers, Stanley, Boston, Mass. Saw blade holder. 2,575,296, Nov. 13.

Rohm & Haas Company, assignee: *See*—
Fegley, Marian F., and Croxall.

Rohrman, Henry E., Philadelphia, Pa. Door operator. 2,574,760, Nov. 13.

Rollman, Heinz W., assignor to Ro-Search, Inc., Waynesville, N. C. Footwear with sponge rubber sole indirectly connected to the upper. 2,574,582, Nov. 13.

Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Process and apparatus for contacting fluid solids with gases. 2,575,297, Nov. 13.

Rooch, Allen T., Cincinnati, Ohio, and C. E. Greenlaw, Detroit, Mich., said Greenlaw assignor to said Rooch. Deodorizing terpenes. 2,574,498, Nov. 13.

Rose, Carl, Miami, Fla. Sectional precast concrete fence. 2,574,711, Nov. 13.

Ro-Search, Inc., assignee: *See*—
Rollman, Heinz W.

Rosenberg, Ernst T., Lynby, Denmark, K. B. Högber, Halsingborg, and K. E. L. Claeson, Stockholm, assignors to Aktiebolaget Leo, Halsingborg, Sweden. Methylated gelatin-insulin preparation. 2,574,889, Nov. 13.

Ross, Mark, Los Angeles, Calif. Portable headrest. 2,574,590, Nov. 13.

Rossin, Elmer H., Melrose, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Improving fastness to crocking of azoic dyed materials using certain vinyl resins. 2,575,026, Nov. 13.

Rounds, Louis D., and N. A. White, Toledo, Ohio. Vegetable gatherer. 2,575,235, Nov. 13.

Rozner, Joseph J., assignor to Aetna Ball & Roller Bearing Co., Chicago, Ill. Retainer and spacer for roller bearings. 2,575,072, Nov. 13.

Rubenstein, Jacob H., Syracuse, N. Y. Package vending machine. 2,575,129, Nov. 13.

Ruhner, Norbert A., Milwaukee, Wis. Flush tank drip catch. 2,575,130, Nov. 13.

Rudd, William W., Chicago, Ill. Mute structure for musical instruments. 2,574,591, Nov. 13.

Rudoff, Hyman, assignor to Shawinigan Resins Corporation, Springfield, Mass. Preparation of mixed polyvinyl esters. 2,574,984, Nov. 13.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine and Foundry Company. Pin handling mechanism for bowling pin setting machines. 2,574,936, Nov. 13.

Ruscitti, Constantine, and J. M. Barnes, Cincinnati, Ohio. Saw sharpener. 2,574,499, Nov. 13.

Russell, Frank J.: *See*—
Charbonneau, Allan P., and Russell.

Russell, Herbert H., assignor to The Greist Manufacturing Company, New Haven, Conn. Sewing-machine attachment. 2,574,661, Nov. 13.

Russell, Nelson B.: *See*—
Bond, Donald C., and Russell.

Russell, William J., New Britain, Conn., assignor, by mesne assignments, to Crosley Division, Avco Manufacturing Corporation, Cincinnati, Ohio. Clothes-washing machine utilizing a tumbling drum. 2,574,985, Nov. 13.

Rutherford, Benson W., Sebastopol, Calif. Peeling machine. 2,574,761, Nov. 13.

Ryant, Charles J., Jr., assignor to Standard Oil Company, Chicago, Ill. Contacting apparatus. 2,575,186, Nov. 13.

Ryznar, John W., La Grange Park, assignor to National Aluminate Corporation, Chicago, Ill. Steam generation and compositions for inhibiting foaming. 2,575,298, Nov. 13.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Optical adjusting microscope. 2,574,712, Nov. 13.

Salkin, Jerome, assignor to The National Plastic Products Company, Odenton, Md. Spool with removable head. 2,575,131, Nov. 13.

Salter, H. B., Mfg. Co., assignee: *See*—
Wagner, Cletus P.

Salvin, Victor S., Irvington, and W. J. Hart, Dover, N. J., assignors to Celanese Corporation of America. Spray-dried dyestuff powders comprising lignin sulfonate. 2,574,597, Nov. 13.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,574,662, Nov. 13.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,574,663, Nov. 13.

Sampson, William E., Lequire, Okla. Device for fastening metal roof to buildings. 2,574,937, Nov. 13.

Samuels, Abe O., Bridgeport, Conn., assignor, by mesne assignments, to Maryland Devices, Inc., Baltimore, Md. Fire extinguisher. 2,574,890, Nov. 13.

Sandoz, A. G., assignee: *See*—
Wlazmitinow, Alexis, and Goorhuis.

Sanmyer Corporation: *See*—
Senninger, Earl J.

Saunders, Norman B.: *See*—
Hobbs, Charles F., and Saunders.

Savage, Reuben T.: *See*—
Lasslat, Raymond C., and Savage.

Sawyer, Lester T., Leominster, Mass. Hair retainer. 2,574,891, Nov. 13.

Saywell Associates, assignee: *See*—
Saywell, Lawrence G.

Saywell, Lawrence G., San Mateo, assignor to Saywell associates, South San Francisco, Calif. Sealing assembly. 2,575,132, Nov. 13.

Scalingi, Ciro R.: *See*—
Hough, Case S., Wesley, Scalingi, and Gaeke.

Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Sheet metal reel. 2,574,845, Nov. 13.

Schaffer, Edward A., Longmeadow, assignor to Hampden Specialty Products, Inc., Easthampton, Mass. Table leg pivot and latch mechanism. 2,574,592, Nov. 13.

Shafter, Ruland R., Freeport, N. Y., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Jaw crusher with double toggle. 2,575,301, Nov. 13.

Scharfe, Leo, Baltimore, Md. Dental flask. 2,574,593, Nov. 13.

Scharfe, Leo, Baltimore, Md. Insert for dental flasks. 2,574,594, Nov. 13.

Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic log barking machine having support for log-rotating rollers tiltable to laterally discharge the log. 2,575,302, Nov. 13.

Schaye, Jack M., Brooklyn, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Friction slide fastener. 2,575,187, Nov. 13.

Schechter, Milton S., Washington, D. C., and F. B. La Forge, Arlington, Va.; dedicated to the free use of the People in the territory of the United States. Hydroxydiketones. 2,574,500, Nov. 13.

Scheel, Julius, assignor of one-half to M. Blanco P., Houston, Tex. Lunch pack. 2,575,299, Nov. 13.

Scheidt, John F., Moorehead, Minn. Fish stringing device. 2,574,846, Nov. 13.

Schell, Harold J., Philadelphia, Pa. Rack for holding roasts. 2,575,188, Nov. 13.

Schell, Paul, Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Solenoid valve. 2,574,762, Nov. 13.

Schertz, Glenwood L., assignor to Hercules Powder Company, Wilmington, Del. Copolymers of styrene or derivative thereof and an ester of an abietyl alcohol and an α,β-ethylenically unsaturated carboxylic acid. 2,574,847, Nov. 13.

Schiller, James C.: *See*—
Cornell, Hampton G., and Schiller.

Schmidt, Theodore F., Elmhurst, Ill. Folding crib and stroller. 2,575,189, Nov. 13.

Schmidt, William C., Cincinnati, and F. A. Zaenkert, Green Hills, assignors to The Cincinnati Butchers' Supply Corporation, Cincinnati, Ohio. Hydraulic press battery. 2,574,892, Nov. 13.

Schmidt, Willy A., Easton, Pa., and V. Tulagin, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. N-substituted 4,6-diamino metanilic acids. 2,575,027, Nov. 13.

Schneider, Walter H., Ridgefield, assignor to Keuffel & Esser Company, Hoboken, N. J. Lettering scriber. 2,574,664, Nov. 13.

Scholl, William M., Chicago, Ill. Corn pad. 2,575,133, Nov. 13.

Schou, Carl E., Seattle, assignor to Pacific Car and Foundry Company, Renton, Wash. Transfer transmission mechanism. 2,574,986, Nov. 13.

Schrager, Joseph, Miami, Fla. Vending machine. 2,575,300, Nov. 13.

Schroder, Otto: *See*—
Bochmann, Otto, Schroder, and Lenk.

Schroeder, Arthur M., Chicago, Ill. Feather drying system. 2,574,848, Nov. 13.

Schuller, Pierre, Dacazeville, assignor to Societe Anonyme de Commentry-Fourchambault & Dacazeville, Paris, France. Apparatus for detecting the caloric outputs of gaseous fuels. 2,574,665, Nov. 13.

Schultz, Warner W., and E. P. Kozoriz, Schenectady, N. Y., assignors to General Electric Company. Radioactive source. 2,575,134, Nov. 13.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Metal mercaptides as modifiers in emulsion polymerization. 2,575,135, Nov. 13.

Schwayder, Robert, assignor to Societe Anonyme dite: Etablissements Edgar Brandt, Paris, France. Rotation regulating device. 2,575,028, Nov. 13.

Scovill Manufacturing Company, assignee: *See*—
Koeppel, Charles H.

Sears, Edward O., Alameda, Calif. Freezable self-sustaining body of silica gel and making the same. 2,574,763, Nov. 13.

Sebok, Frank, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner and making parts thereof. 2,575,136, Nov. 13.

Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Hydraulically operated transfer molding press. 2,575,190, Nov. 13.

Seipp, George A., Minneapolis, Minn. Collapsible insulated refrigerator bag for carrying articles to be chilled. 2,575,191, Nov. 13.

Sell, Jesse, Elmwood, Nebr. Clamshell excavator of the carry type. 2,574,713, Nov. 13.

Seltzer, Robert E., assignor to The American Baler Co., Bellevue, Ohio. Cotton chopper. 2,574,666, Nov. 13.

Selz, Jacques, and A. de Leudeville, Paris, France. Amplifying voltmeter with a logarithmic scale. 2,575,073, Nov. 13.

Semperit Osterreichisch-Amerikanische gummiwerke Aktiengesellschaft, assignee: *See*—
Trözmüller, Friedrich J.

Senninger, Earl J., Chicago, Ill., assignor to Sanmyer Corporation. Dual pump. 2,575,074, Nov. 13.

Settles, James C., and C. L. Orr, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Damping means for railway trucks. 2,575,137, Nov. 13.

Seward, Emmett R., Houston, Tex. Side ditch scraper for ditching machines. 2,574,799, Nov. 13.

Seybold, Frederick W., Westfield, N. J., and N. Herman, Bronx, assignors to E. P. Lawson Co., Inc., New York, N. Y. Guillotine knife-improved values for hydraulic clamp. 2,574,501, Nov. 13.

Shapiro, Ascher H.: *See*—
Reed, William A., and Shapiro.

Shaw, Everett F., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Can filling machine. 2,574,593, Nov. 13.

Shawinigan Resins Corporation, assignee: *See*—
Rudoff, Hyman.

Sheffield Corporation, The, assignee: *See*—
Chaney, Richard.

Shell Development Company, assignee: *See*—
Adelson, David E.
Caron, John B. R., Glendenning, and Wies.
Engel, Willem F., and Hoog.
Mitchell, Reginal G., Hunn, Green, and Ghijsen.
Pierotti, Gino J., Handlos and Reider.

Shelley, Thomas H., Spotswood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Stabilization of vinyl resin compositions. 2,574,987, Nov. 13.

Shellmar Products Corporation, assignee: *See*—
Cox, John W.

Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, trustees, Portland, Maine. Article pack. 2,575,192, Nov. 13.

Shire, William A., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Fractionating apparatus. 2,575,193, Nov. 13.

Shuman, Everett C., Haddonfield, N. J., assignor to Owens-Illinois Glass Company. Structural support for roofs and floors. 2,574,667, Nov. 13.

Shuttleworth, Howard L., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Making pile fabrics. 2,575,029, Nov. 13.

Signer, Ralph J., assignor to The Visking Corporation, Chicago, Ill. Preparing resinous compositions. 2,574,893, Nov. 13.

Simplex, assignee: *See*—
Rasmussen, Christian O.

Simplex Time Recorder Co., assignee: *See*—
Blouin, Maurice A.

Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,574,503, Nov. 13.

Singer Manufacturing Company, The, assignee: *See*—
Chason, Daniel H.

Sinner, John B., and O. A., San Diego, Calif. Fastener for crypt fronts. 2,574,938, Nov. 13.

Sinner, Oscar A.: *See*—
Sinner, John B., and O. A.

Siple, Paul A., United States Army, Arlington, Va. Belt fastener. 2,574,502, Nov. 13.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,574,504, Nov. 13.

Skinner Chuck Company, The, assignee: *See*—
Harris, Dwight E.

Sköld, Karl W., Ramnas, Sweden. Swivel. 2,574,800, Nov. 13.

Slaughter, Charles E., New Canaan, Conn. Method and apparatus for packaging and package. 2,575,138, Nov. 13.

Slawson, William H., assignor to F. M. Wilson, Buffalo, and P. H. Thomas, Hamburg, N. Y. Bathtub protective covering. 2,575,236, Nov. 13.

Slaymaker, Frank H., Rochester, N. Y., assignor to Stromberg-Carlson Company. Ultrasonic distance-measuring system. 2,574,596, Nov. 13.

Sletzinger, Meyer, Forest Hills, N. Y., and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing 2,2-diphenyl-3-methyl-4-dimethylamino butyronitrile. 2,574,505, Nov. 13.

Sletzinger, Meyer, Forest Hills, N. Y., and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. 2,2 - diphenyl - 3 - methyl - 4 - methylformamidobutyronitrile. 2,574,506, Nov. 13.

Sluyter, William, Eureka, Calif. Hose uncoupling system. 2,574,668, Nov. 13.

Smalley, Oliver, Larchmont, N. Y., assignor to Meehanite Metal Corporation. Incorporation of additives into molten metal. 2,574,764, Nov. 13.

Smallman, I., and Sons Co., assignee: *See*—
Smallman, Samuel J.

Smallman, Samuel J., Passaic, N. J., assignor to I. Smallman and Sons Co., New York, N. Y. Wallet device with money holding clip. 2,575,030, Nov. 13.

Smith, Benjamin O., St. Augustine, Fla. Artificial bait. 2,575,139, Nov. 13.

Smith, Dallas V., Ottumwa, Iowa. Blood testing poultry coop. 2,574,765, Nov. 13.

Smith, Edwin G.: *See*—
Graham, Frank H., and Smith.

Smith, Kenneth E., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Hydraulic operated traverse mechanism. 2,575,031, Nov. 13.

Smith, Paul V., Jr.: *See*—
Carlson, Carl S., and Smith.
Morway, Arnold J., and Smith.

Smith, Paul V., Jr., Westfield, N. J., assignor to Standard Oil Development Company. Dibasic acid esters and producing them. 2,575,195, Nov. 13.

Smith, Paul V., Jr., Westfield, N. J., assignor to Standard Oil Development Company. Mixed esters of polyhydric alcohols and dibasic acids. 2,575,196, Nov. 13.

Smith, Roy D., Pueblo, Colo., assignor to Bee-Line Company, Scott County, Iowa. Motor vehicle frame alignment measuring mechanism. 2,575,194, Nov. 13.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Forming a flexible coil clutch. 2,574,714, Nov. 13.

Smith, Whitfield C., Oneonta, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition device and parts thereof. 2,575,140, Nov. 13.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Surfaces having low-adhesion to ice. 2,575,141, Nov. 13.

Smyth, John R., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Manufacturing batteries. 2,575,076, Nov. 13.

Snider, Harry, Chicago, Ill. Removable trouser leg bottom guard. 2,574,669, Nov. 13.

Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Missoula, Mont., assignors to Phillips Petroleum Company. Beta-thioalkyl mercaptan promoter-modifiers for conjugated diolefin polymerizations. 2,574,894, Nov. 13.

Snyder, Omar E.: *See*—
Bechtold, Max F., and Snyder.

Snyder, Vilas L., Wichita, Kans. Automatic tape measure. 2,575,077, Nov. 13.

Societe Anonyme de Commentry-Fourchambault & Decazeville, assignee: *See*—
Schuller, Pierre.

Societe Anonyme dite: Etablissements Edgar Brandt, assignee: *See*—
Schwayder, Robert

Societe Electro-Mecanique de L'Aveyron S. A., assignee: *See*—
Bessière, Pierre E.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Fontana, Celeste M., and Gorin.
Shaw, Everett F.
Simpson, Thomas P.
Utterback, Ernest, and Fahnestock.

Sollinger, Ferdinand P., Paterson, and M. M. Holben, Ridgewood, N. J., assignors to Wright Aeronautical Corporation. Multistage bladed rotor. 2,575,237, Nov. 13.

Sommer, Albert: *See*—
Goldschmidt, Max, and Sommer.

Sontag, Lothar A., assignor to Durez Plastics and Chemicals, Inc., North Tonawanda, N. Y. Mobilometer. 2,574,715, Nov. 13.

Sorkin, Louis, Long Beach, N. Y. Microphone attachment for accordions. 2,575,142, Nov. 13.

South Chester Corporation, assignee: *See*—
Barry, John K., Jr., and Hale.

Sparling, Joseph T., Los Angeles, Calif. Swimming pool. 2,575,303, Nov. 13.

Spatz, Lee, New Rochelle, N. Y. Coat. 2,574,716, Nov. 13.

Sperry Corporation, The, assignee: *See*—
Fragola, Caesar F.
Palmer, Winslow.

Sponge Rubber Products Company, The, assignee: *See*—
Talalay, Anselm.

Sprague Electric Company, assignee: *See*—
Atkinson, John F., and Lubin.

Square D Company, assignee: *See*—
Stanback, Harris I., and Anger.
Zeller, Josef J.

Stanback, Harris I., Milwaukee, and E. G. Anger, Wauwatosa, Wis., assignors to Square D Company, Detroit, Mich. Welder control system. 2,574,939, Nov. 13.

Standard Cap and Seal Corporation, assignee: *See*—
Zimmermann, Willy E., and Konrad.

Standard Oil Company, assignee: *See*—
Johnson, Everett A.
Ryant, Charles J., Jr.
Shire, William A.

Standard Oil Development Company, assignee: *See*—
Carlson, Carl S., and Smith.
Cornell, Hampton G., and Schiller.
Dunaway, James H., and Powell.
Holmes, August.
Howell, William C., Jr.
McKay, John F., Jr., and Jasion.
Morrell, Charles E., Robey, and Robertson.
Morway, Arnold J., and Smith.
Ohsol, Ernest O., Carlson, and Hudson.
Rollman, Walter F.
Smith, Paul V., Jr.

Stanley, Herbert M.: *See*—
Hall, Reginald H., and Stanley.

Starnes, George F., Hickory, assignor to P. B. Eaton, Charlotte, N. C. Check controlled phonograph. 2,574,598, Nov. 13.

Stauffer Chemical Company, assignee: *See*—
Nason, Richard N., Jr.

Stecker, Glenroy, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Acid-treating clay. 2,574,895, Nov. 13.

Stegeman, Raymond F. E.: *See*—
Forrest, John W., and Stegeman.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacles with adjustable multifocal lenses. 2,574,766, Nov. 13.

Steinberg, George M.: *See*—
Walter, George E., Hornstein, and Steinberg.

Steiner, Oscar, assignor to Graflex, Inc., Rochester, N. Y. Collapsible view finder for photographic cameras. 2,575,197, Nov. 13.

Stenger, Vernon A., assignor to The Dow Chemical Company, Midland, Mich. Treatment of caustic soda cell liquor. 2,575,238, Nov. 13.

Stephens, Robert J., assignor to Marathon Coal Bit Company, Inc., Montgomery, W. Va. Reversible bit and holder therefor. 2,575,239, Nov. 13.

Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Hydraulic transmitter. 2,575,319, Nov. 13.

Stewart, John M.: *See*—
Snyder, Harold R., and Stewart.

Stickel, Harold A., San Francisco, Calif. Selective signal receiving device. 2,575,198, Nov. 13.

Stieber, Frank C., Marathon, Wis. Sighting device for bows and arrows. 2,574,599, Nov. 13.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Coring apparatus. 2,574,717, Nov. 13.

Stokes, Robert R., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Decelerometer. 2,574,600, Nov. 13.

Stoll, Michael: *See*—
Hasselstrom, Torsten, and Stoll.

Stovall, John R., Jr., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Apparatus for changing the mechanical advantage of a system. 2,575,032, Nov. 13.

Stover, Emory F., Wynnewood, Pa. Fluid actuated integrator. 2,575,304, Nov. 13.

Strain, George H., Seaford, England. Screening apparatus. 2,575,143, Nov. 13.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Producing heavy curd. 2,574,508, Nov. 13.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Temperature control system for heating apparatus. 2,575,078, Nov. 13.

Strom, Hans, Villa Park, Ill. Shoe stretcher. 2,574,940, Nov. 13.

Stromberg-Carlson Company, assignee: *See*—
Confeld, James D.
Droel, Louis W.
Green, Harry J., Jr.
Slaymaker, Frank H.
Stutt, Charles A.

Stryzakoski, Raymond, and J. Cartabellatto, New York, N. Y. Single-lever water control. 2,575,305, Nov. 13.

Stuart, Elizabeth R. B., assignee: *See*—
Stuart, Kimberly.

Stuart, Kimberly, assignor of one-half to E. R. B. Stuart, Menasha, Wis. Vertical axis beading. 2,574,509, Nov. 13.

Stubbs, George, Los Angeles, Calif. Pessary. 2,574,767, Nov. 13.

Stutt, Charles A., Cambridge, Mass., assignor to Stromberg-Carlson Company. Wide-range tuning device for use at ultrahigh frequencies. 2,575,199, Nov. 13.

Sugarman, Nathan: *See*—
Engelkemeir, Donald W., and Sugarman.

Sun Chemical Corporation, assignee: *See*—
Williams, Robert J., and Finalborgo.

Sun Oil Company, assignee: *See*—
Henson, Robert L.

Sundstrom, Savin L.: *See*—
Buttner, William C., and Sundstrom.

Super Speed Printing Machinery, Inc., assignee: *See*—
Adrian, Joseph.

"Sur-Grip" Inc., assignee: *See*—
Blumenstein, Joseph.

Sutton, Jack H.: *See*—
Pirwitz, Friedrich A. Gustav. G. P., and Sutton.

Swanson, Hugo R., Binghamton, N. Y. Therapeutic massager. 2,574,601, Nov. 13.

Sweeney, Frank B., assignor to Ritter Company, Inc., Rochester, N. Y. Carburetor. 2,574,670, Nov. 13.

Swigerd, Robert C., Los Angeles, Calif. Fishing reel. 2,574,718, Nov. 13.

Swindells, Edwin, assignor of one-half to Brocklehurst-Whiston Amalgamated Limited, Macclesfield, England. Thread counting device. 2,575,144, Nov. 13.

Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Image converter tube. 2,575,033, Nov. 13.

T-M-K Corporation, assignee: *See*—
Benson, Merle K.

Talalay, Anselm, New Haven, assignor to The Sponge Rubber Products Company, Shelton, Conn. Resilient compressible fibrous product. 2,574,849, Nov. 13.

Tanis, Thomas P., Philadelphia, assignor to Willson Products, Inc., Reading, Pa. Sunglass frames. 2,574,896, Nov. 13.

Tantimonaco, Leonardo, West Haven, Conn. Baby walker. 2,574,897, Nov. 13.

Taubert, Bernard, Geneva, Switzerland. Fluid- and dust-proof case. 2,574,671, Nov. 13.

Taylor, Merritt I., Richmond, Va. Temperature responsive ventilator for beehives. 2,574,768, Nov. 13.

Tele-Tone Radio Corporation, assignee: *See*—
Ehrlich, Charles N.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively driven stud with knock-off head portion. 2,575,079, Nov. 13.

Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.

Teston, Rebecca O., Glenbrook, assignor to Eastern Rubber Specialties, South Norwalk, Conn. Manufacture of rubber articles. 2,574,719, Nov. 13.

Teszner, Stanislas, Paris, France. Ultrahigh-frequency pulse oscillator. 2,575,200, Nov. 13.

Texas Company, The, assignee: *See*—
Edwards, William H.

Textile Mills Company, assignee: *See*—
Pattison, Grange K.

Thelemarck, Thor: *See*—
Högel, Lennart, Thelemarck, and Lingberg.

Thomas & Betts Co., The, assignee: *See*—
Clapp, Jerome B.
Greene, Donald L., and Badeau.
Moore, Albert J.

Thomas, Frank S., Jr., Murfreesboro, Tenn., assignor to Development Corporation, Inc., St. Louis, Mo. Engine suspension. 2,574,602, Nov. 13.

Thomas, Gotthard A., Des Plaines, Ill. Storm window hinge. 2,575,145, Nov. 13.

Thomas, Paul H., assignee: *See*—
Slawson, William H.

Thomas, Raymond R., Childress, Tex. Pipe line scraper inserter and remover. 2,575,146, Nov. 13.

Thomas, Thackston, Santa Monica, Calif. Supporting structure for kitchen appliances. 2,574,769, Nov. 13.

Thomas Truck and Caster Co., assignee: *See*—
Guild, William L.

Thompson, Joseph S., San Francisco, and Charles R. Ray, Sausalito, assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Power line service restorer. 2,574,801, Nov. 13.

Thompson, Richard A., West Caldwell, N. J., assignor to Wright Aeronautical Corporation. Valve construction. 2,575,240, Nov. 13.

Thraum, Werner: *See*—
Jonas, Heinz, and Thraum.

Trockle, Frank E.: *See*—
Cox, Alvon R., and Trockle.

Throckmorton, John W.: *See*—
Wallis, John S., and Throckmorton.

Thurston, Jack T., Riverside, Conn., and W. N. Oldham, Monrovia, Calif., assignors to American Cyanamid Company, New York, N. Y. Cationic surface active agents and preparation. 2,574,510, Nov. 13.

Tide Water Associated Oil Company, assignee: *See*—
Bishop, John W.

Tillotson, Jared E., Allison Park, assignor to Blaw-Knox Company, Pittsburgh, Pa. Curved track overhead door. 2,575,201, Nov. 13.

Tinius Olsen Testing Machine Company, assignee: *See*—
Stovall, John R., Jr.

Tinnerman, George A., and J. F. Rafferty, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Tool for applying threadless fasteners. 2,575,320, Nov. 13.

Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A., and Rafferty.

Tishler, Max: *See*—
Sletzinger, Meyer, and Tishler.

Tlapek, Thomas W.: *See*—
Graf, Paul R., and Tlapek.

Tobias, Herrmann B., Washington, D. C. Map holder. 2,574,802, Nov. 13.

Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Oxidation of organic compounds. 2,574,511, Nov. 13.

Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Production of dicarboxylic acids or anhydrides thereof. 2,574,512, Nov. 13.

Topham, Laurence E., Wenham, and G. P. S. Cross, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Kerf-cutting machine. 2,574,672, Nov. 13.

Traut, George T.: *See*—
Chavannes, Marc A., and Traut.

Traver, Harry G., Cranford, N. J. Rotary hoe disk. 2,575,321, Nov. 13.

Treg, Inc., assignee: *See*—
Gossner, Louis E. E.

Trenkle, Eugen F.: *See*—
Paul, Wilhelm H., and Trenkle.

Troupa, Albert B., Princeton, Ill. Trip register. 2,574,513, Nov. 13.

Trout, Allan E., Fresno, and V. P. Oneto, San Francisco, Calif. Vacuum packed container and dispensing means for the contents thereof. 2,574,720, Nov. 13.

Trözmüller, Friedrich J., assignor to Semperit Osterreichisch-Amerikanische Gummiwerke Aktiengesellschaft, Vienna, Austria. Conveyer belt printing machine with multiple impression. 2,574,941, Nov. 13.

Tulagin, Vsevolod: *See*—
Schmidt, Willy A., and Tulagin.

Turner, Guy M., assignee: *See*—
Merry, Edward C.

Tyler, Arthur W., Rochester, N. Y., and R. D. O'Neal, Ann Arbor, Mich., assignors to Eastman Kodak Company, Rochester, N. Y. Reader for translating digital data recorded on film into electric pulses suitable for input to a computer. 2,575,034, Nov. 13.

Tyler, W. S., Company, The, assignee: *See*—
Pomeroy, Sawyer M., and Disbro.

Tyrner, Joseph M., Mendham Township, Morris County, N. J., assignor to Air Reduction Company, Incorporated. Scarfing machine. 2,575,080, Nov. 13.

Uhlig, Erich J., Haddon Heights, N. J., assignor to Radio Corporation of America. Automatic selector mechanism. 2,574,603, Nov. 13.

United Bakers, Inc., assignee: *See*—
Gareis, Clarence J.

United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Topham, Laurence E., and Cross.
Willhauck, Augustus D.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Cady, George H.
Daane, Adrian H., and Noyce.
Engelkemeir, Donald W., and Sugarman.
McBee, Earl T., and Barnhart.
Panofsky, Wolfgang K. H., and Baker.
Powell, Wilson M., and Hughes.
Prescott, Charles H., Jr.
Zinn, Walter H.

United States Plywood Corporation, assignee: *See*—
Ilch, Theodore E.

United States Rubber Company, assignee: *See*—
Kharasch, Morris S.
Manske, Richard H. F., Beattie, and Kulka.
Manske, Richard H. F., and Kulka.

United States Steel Company, assignee: *See*—
Miller, Donald S.

Universal Wire Spring Company, The, assignee: *See*—
Blumensaadt, Svend G.

Unsworth, Thomas, Wellesley, assignor to Cole-Hersee Company, Boston, Mass. Electric switch. 2,575,147, Nov. 13.

Upjohn Company, The, assignee: *See*—
Whiffen, Alma J., Emerson, and Bohonos.

Utterback, Ernest, New York, and F. C. Fahnestock, Manhasset, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,574,850, Nov. 13.

Vachon, Hubert J., Haverhill, assignor to Boston Machine Works Company, Lynn, Mass. Cementing device for tape. 2,574,942, Nov. 13.

Van Allan, James A.: *See*—
Allen, Charles F. H., and Van Allan.

Van Beckum, William G., Longview, Wash., and H. L. Cook, Tigard, Oreg., assignors to Weyerhaeuser Timber Company, Longview, Wash. Bonding plywood, an adhesive therefor and making it. 2,574,803, Nov. 13.

Vance, Harold C.: *See*—
Parker, William N., Hoover, and Vance.

Van Der Sluys, William: *See*—
Janeway, Robert N., and Van Der Sluys.

Van Der Sluys, William, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Railway truck. 2,574,804, Nov. 13.

Van Dyke, Lyle H., Portland, Oreg. Holder for telephone instruments. 2,575,306, Nov. 13.

Van Horn, James P., Libertyville, Ill. Pneumatic tube carrier retriever. 2,574,673, Nov. 13.

Van Pelt, Harry H., Eureka, Calif. Impact tool for making powder holes. 2,574,605, Nov. 13.

Van Vulpen, John: *See*—
Lehane, Timothy J., Van Vulpen, and Vlaming.

Vapor Heating Corporation, assignee: *See*—
Lehane, Timothy J., Haskett, and Johnson.
Lehane, Timothy J., Van Vulpen, and Vlaming.

Vendo Company, The, assignee: *See*—
Andrews, Boley A., and Pro.

Vickers-Armstrongs Limited, assignee: *See*—
Nasmith, John I.

Visking Corporation, The, assignee: *See*—
Signer, Ralph J.

Vlaming, Raymond J.: *See*—
Lehane, Timothy J., Van Vulpen, and Vlaming.

Vogel, Rudolf, assignor to Neva-Clog Products, Inc., Bridgeport, Conn. Stapling plier. 2,574,988, Nov. 13.

Vogt, Henry, Machine Company, assignee: *See*—
Edmonds, Eugene A.
Fulkerson, Archie P.

Vokes, Gordon H., assignor to Vokes Limited, Guildford, England. Dust collector filter. 2,575,148, Nov. 13.

Vokes Limited, assignee: *See*—
Vokes, Gordon H.

Volff, Charles L., Montreal, and J. Hammerslag, Outremont, Quebec, Canada, assignors to L'Air Liquide Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. High-frequency unit for inert gas arc welding. 2,574,514, Nov. 13.

Von Behren, Robert A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Electromagnetic transducer head assembly. 2,574,898, Nov. 13.

Von Stoeser, Walter, Chicago, Ill., assignor to R. T. Moloney. Magnetic ball activator. 2,574,721, Nov. 13.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. All relay private automatic telephone system having connections to one and two digit trunks. 2,574,943, Nov. 13.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. All relay automatic telephone system trunk selection. 2,574,944, Nov. 13.

Wagner, Cletus P., assignor to H. B. Salter Mfg. Co., Marysville, Ohio. Plumbing valve. 2,574,851, Nov. 13.

Wagner Electric Corporation, assignee: *See*—
Johnson, Edward D.

Waite, Ralph B., Springville, N. Y. Axially slidable apertured closure cap having means for limiting opening movement of the cap. 2,574,989, Nov. 13.

Waite, Ralph B., Springville, N. Y. Retractible closure for collapsible tube, having means to prevent its accidental removal therefrom. 2,574,990, Nov. 13.

Waite, Ralph B., Springville, N. Y. Pressureproof dispenser closure. 2,574,991, Nov. 13.

Wallin, Sven W., Jonkoping, assignor to A. B. Svenska Flaktfabriken, Stockholm, Sweden. Humidifying apparatus. 2,574,852, Nov. 13.

Wallis, John S., and J. W. Throckmorton, assignors to Petro-Chem Process Company Incorporated, New York, N. Y. Prefabricated furnace. 2,575,202, Nov. 13.

Walker, George W., Columbus, Ohio, assignor to Owens-Illinois Glass Company. Machine for applying mortar bonding material to building blocks. 2,574,675, Nov. 13.

Walker, James D., Loco Hills, N. Mex. Paraffin scraper. 2,575,307, Nov. 13.

Walker, Louis D., Lakewood, Ohio. Apparatus for dispensing and inscribing tape. 2,574,674, Nov. 13.

Walkup, Edgar B., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Indication transmitting apparatus for remote-control systems of the code type. 2,574,805, Nov. 13.

Wallace, Roger W., and P. J. Ernisse, assignors to Eastman Kodak Company, Rochester, N. Y. Camera, including rapid film threading and releasing means. 2,575,035, Nov. 13.

Walter, George E., Baltimore, and I. Hornstein, East Riverdale, assignors to The Glenn L. Martin Company, Middle River, Md. Organic compounds containing phosphorus and bromine. 2,574,515, Nov. 13.

Walter, George E., Baltimore, I. Hornstein, East Riverdale, and G. M. Steinberg, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Unsaturated aliphatic phosphonamides. 2,574,516, Nov. 13.

Walter, George E., Baltimore, I. Hornstein, East Riverdale, and G. M. Steinberg, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Unsaturated aliphatic phosphonamides. 2,574,517, Nov. 13.

Walter, George E., Baltimore, and I. Hornstein, East Riverdale, assignors to The Glenn L. Martin Company, Middle River, Md. Organic compounds containing phosphorus and bromine. 2,574,518, Nov. 13.

War, United States of America as represented by the Secretary of, assignee: *See*—
Clay, John P., and Elkins.
Hickman, Clarence N.
Howes, Douglas E.

Ward, Roger, Upper Falls, assignor to The Glenn L. Martin Company, Middle River, Md. Stabilized aircraft antenna. 2,574,853, Nov. 13.

Waring, Lillian H., Brooklyn, N. Y. Memorandum calendar. 2,574,899, Nov. 13.

Warner & Swasey Company, The, assignee: *See*—
Williams, James D.

Waterbury, Glenn J., Los Angeles, Calif. Toggle actuated plier-type wrench. 2,574,676, Nov. 13.

Watkins, William M., Jr., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Adjusting mechanism for temperature regulators. 2,575,081, Nov. 13.

Watson, Mattie, New York, N. Y. Vegetable washing basket. 2,575,149, Nov. 13.

Weber, Herman, Harriman, Tenn. Setting and binding material and its manufacture. 2,574,507, Nov. 13.

Webster, Benjamin R., Santa Monica, Calif. Reel. 2,574,992, Nov. 13.

Webster, Robert H.: *See*—
Egger, Charles J., and Webster.

Weed, Gehres D.: *See*—
Getz, Alfred J., and Weed.

Weining, Earl O.: *See*—
McCoy, Joe, and Weining.

Wellman, Walter C., assignor to White Products Company, Middleville, Mich. Thermostat mounting assembly for hot-water heaters and the like. 2,575,150, Nov. 13.

Werner, John, assignor to Aciform Corporation, Chicago, Ill. Massage vibrator. 2,574,945, Nov. 13.

Werner, Raymond E.: *See*—
Opp, Carl J., and Werner.

Wesley, Robert O.: *See*—
Hough, Cass S., Wesley, Scalingi, and Gaeke.

West, Frank, Cincinnati, Ohio. Wash rag structure constructed to contain soap. 2,574,854, Nov. 13.

Western Condensing Company, assignee: *See*—
Peebles, David D., and Meade.

Western Electric Company, Incorporated, assignee: *See*—
Merwin, Harry H.

Westinghouse Air Brake Company, assignee: *See*—
Baughman, George W.
Doucette, Adrian R.
Hedding, Linnie K., and Zetwo.
Walkup, Edgar B.

Weyerhaeuser Timber Company, assignee: *See*—
Heritage, Clark C.
Van Beckum, William G., and Cook.

Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Battery-charging apparatus. 2,575,151, Nov. 13.

Wheeling Steel Corporation, assignee: *See*—
Mack, Wayne E.

Whiffen, Alma J., and R. L. Emerson, Kalamazoo, Mich., and N. Bohonos, La Fayette, Ind., assignors to The Upjohn Company, Kalamazoo, Mich. Cycloheximide and its production. 2,574,519, Nov. 13.

White, Eric L. C., Richings Way, Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Scanning circuit. 2,574,946, Nov. 13.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Toaster timing mechanism. 2,574,993, Nov. 13.

White, Ira M., Berkeley, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic pumping jack. 2,575,241, Nov. 13.

White, Ira M., Walnut Creek, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic jack. 2,575,308, Nov. 13.

White, Nemi A.: *See*—
Rounds, Louis D., and White.

White, Paul G.: *See*—
Leitch, John D., and White.

White Products Company, assignee: *See*—
Wellman, Walter C.

Whitin Machine Works, assignee: *See*—
Hendricks, William E.

Whitner, Thomas C., Elizabeth, N. J. Dissolving silk fibers. 2,575,152, Nov. 13.

Wiasmitinow, Alexis, and H. Goorhuis, assignors to Sandos A. G., Basel, Switzerland. Compositions and processes for printing organic derivatives of cellulose using a mixture of four swelling agents. 2,574,806, Nov. 13.

Wicker, Thomas H.: *See*—
Pollard, Cash B., and Wicker.

Wieland, Daniel A., Hagerstown, Md. Multiple part set screw. 2,574,677, Nov. 13.

Wien, Lawrence A., assignee: *See*—
Wolfner, William F., II.

Wies, Calmy: *See*—
Caron, John B. R., Glendenning, and Wies.

Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Tapered rotor for unit bearing motors. 2,575,153, Nov. 13.

Wilbert, Charles P.: *See*—
Crew, John E., and Wilbert.

Wilbur, Ruth N., New York, N. Y. Body encircling article. 2,574,678, Nov. 13.

Wildermann, Otto: *See*—
Ensign, William B., and Wildermann.

Willard Storage Battery Company, assignee: *See*—
Smyth, John R.

Willenborg, Walter J., Weehawken, N. J. Electric annealing apparatus. 2,574,606, Nov. 13.

Willhauck, Augustus D., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for turning the platform covers of platform shoes. 2,574,680, Nov. 13.

Williams, James D., assignor to The Warner & Swasey Company, Cleveland, Ohio. Induction hardening of ways of machine tools. 2,574,855, Nov. 13.

Williams, Robert J., Hackensack, N. J., and A. C. Finalborgo, assignors to Sun Chemical Corporation, New York, N. Y. Steam applicator. 2,574,900, Nov. 13.

Willoughby, Harold S., assignee: *See*—
Burrows, John W.

Wilson Products, Inc., assignee: *See*—
Tanis, Thomas P.

Wilson, Frank M., assignee: *See*—
Slawson, William H.

Wilson, Joseph F.: *See*—
Hillyer, John C., and Wilson.

Wirtel, Arthur F.: *See*—
De Groote, Melvin, and Wirtel.
De Groote, Melvin, Wirtel, and Pettingill.

Wolf, Elwin L., assignee: *See*—
Hieb, Herbert.

Wolfe, Robert W., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Squeak inhibiting seal construction for fluid power transmitting devices. 2,574,808, Nov. 13.

Wolff, Saul K., Long Beach, N. Y. Outdoor grill. 2,575,082, Nov. 13.

Wolfner, William F., II, New York, N. Y., assignor, by mesne assignments, of twenty-five per cent to J. O. Colt, Jr., and seventy-five per cent to L. A. Wien. Film advancing mechanism in a sound-picture strip projector. 2,575,203, Nov. 13.

Wollensak Optical Company, assignee: *See*—
Pirwitz, Friedrich A., Gustav, G. P., and Sutton.

Wood, Claude O., assignor to Goodman Manufacturing Company, Chicago, Ill. Electrical control system. 2,574,520, Nov. 13.

Woodard, Forrist W., assignee: *See*—
Ragin, Douglas H.

Woodburn, Harold G., Munhall, Pa. Kitchen utensil. 2,574,679, Nov. 13.

Woodruff, Cecil B., Detroit, Mich. Adjustable gate for door openings. 2,574,807, Nov. 13.

Wooster Brass Company, The, assignee: *See*—
Braun, Carl J.

Wright Aeronautical Corporation, assignee: *See*—
Garland, Daniel L., and Gray.
Moore, Vincent.
Sollinger, Ferdinand P., and Holben.
Thompson, Richard A.

Wycinowski, Robert F.: *See*—
Baugh, Raymond N., and Wycinowski.

Yachzel, David, Chicago, Ill. Safety lock. 2,575,309, Nov. 13.

Yoder Company, The, assignee: *See*—
Ridder, Joseph U.

Yonkers, Edward H., Glencoe, and J. H. Fahey, assignors to Joslyn Manufacturing and Supply Company, Chicago, Ill. Spring biased sealing device for supporting a luminaire bowl on the reflector. 2,575,310, Nov. 13.

Young, Charles M., Jr.: *See*—
Pollard, Frank R., and Young.

Young, De Walt S., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing cyano arylamides. 2,575,036, Nov. 13.

Youngstrom, Clifford L., Wykoff, Minn. Knockdown stand. 2,574,607, Nov. 13.

Yuba Manufacturing Company, assignee: *See*
Clark, Robert S.

Zaenkert, Frederick A.: *See*—
Schmidt, William C., and Zaenkert.

Zeller, Josef J., Wauwatosa, assignor to Square D Company, Milwaukee, Wis. Electric switch. 2,574,770, Nov. 13.

Zenith Radio Corporation, assignee: *See*—
Brown, Jess E.

Zetwo, Regia H.: *See*—
Hedding, Linnie K., and Zetwo.

Zimmerman, Willy E., Chicago, and H. C. Konrad, Lake Bluff, assignors to Standard Cap and Seal Corporation, Chicago, Ill. Closure feeding and applying mechanism. 2,574,771, Nov. 13.

Zinn, Walter H., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Material and method of radiography. 2,574,681, Nov. 13.

Ziph, Andrew H., St. Joseph, Mo. Electrical junction box connector. 2,574,608, Nov. 13.

Zoll, Carl Michael, assignor to Hydro Power, Inc., New Orleans, La. Rotary pump. 2,575,154, Nov. 13.

Zorn, Allen O., assignor to Ariens Company, Brillion, Wis. Implement assembly for rotary tillers. 2,574,772, Nov. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Synthetic thyroprotein, Producing. C. W. Turner and E. P. Reineke. Re. 23,429, Nov. 13.

LIST OF PLANT INVENTIONS

Rose plant. F. Spanbauer. 1,048, Nov. 13.

LIST OF DESIGN INVENTIONS

Apparatus for determining the application of cosmetics. S. de Gorin. 165,137, Nov. 13.
Automobile. P. Schlumbohm. 165,195, Nov. 13.
Bracket for automobile visor, Pillar mounting. R. E. Dieterich. 165,138, Nov. 13.
Brooch or similar article. A. Katz. 165,158–64, Nov. 13.
Brooch or the like. A. Katz. 165,165–71, Nov. 13.
Brush, Utility. J. W. Kaye. 165,172–4, Nov. 13.
Canister, Pouring. J. F. Fleming. 165,140, Nov. 13.
Cart, Vacuum cleaner. C. D. Reece. 165,191, Nov. 13.
Case, Clock. L. I. Bruce. 165,132–3, Nov. 13.
Case, Jewelry. I. C. Davidson. 165,136, Nov. 13.
Clothes-washing machine. J. R. Mango. 165,183, Nov. 13.
Dispenser for surface treating machines, Liquid. A. A. Forsberg. 165,141, Nov. 13.
Dress ensemble. T. M. Fritz. 165,149, Nov. 13.
Edible shell or the like. E. A. Thomas. 165,197, Nov. 13.
Flower shop, Mobile. R. C. Ludwig. 165,178, Nov. 13.
Glove. E. Breath. 165,131, Nov. 13.
Golf ball holding apparatus, Practice. Z. M. Smolarek. 165,196, Nov. 13.
Handbag. I. Pichel. 165,190, Nov. 13.
Handbag ornament. A. Wirklich. 165,204, Nov. 13.
Holder or similar article, Container. A. N. Kerr. 165,175, Nov. 13.
Holder, Pen and pencil. B. A. Kandarian. 165,156, Nov. 13.
Lamp or similar article, Wall-mounted. R. S. Gregg. 165,153, Nov. 13.
Lens panel for direct lighting fixtures. R. G. McPhail. 165,184, Nov. 13.
Lid-holding attachment for a can opener, Magnetic. W. E. Gundelfinger. 165,154, Nov. 13.
Link chain for a necklace or the like. A. Philippe. 165,189, Nov. 13.
Liturgical flouncing. O. Frei. 165,142–8, Nov. 13.
Necklace or the like. A. Katz. 165,157, Nov. 13.
Ophthalmoscope head. W. K. Long. 165,177, Nov. 13.
Ornament, Handbag. A. Wirklich. 165,203–4, Nov. 13.
Overshoe, Rubber. J. Loewengart. 165,176, Nov. 13.
Palette or the like, Artist's. G. J. Blacher. 165,128, Nov. 13.
Plate or similar article. G. Rudd. 165,193, Nov. 13.
Poster panel. C. H. Hammond. 165,155, Nov. 13.
Rack, Desk. S. S. Schiffer. 165,194, Nov. 13.
Receptacle for toilet articles. C. C. Christensen. 165,135, Nov. 13.
Roll down nosing. P. C. Gebhard. 165,150, Nov. 13.
Signal lamp and guard, Combined. C. M. Bolser. 165,130, Nov. 13.
Spoon or similar article. W. S. Warren. 165,199–201, Nov. 13.
Spotlight, Portable. D. M. Morgenstern. 165,185–8, Nov. 13.
Stock and die unit, Combined. C. E. Wright. 165,205, Nov. 13.
Stocking, Lady's. W. G. Bley. 165,129, Nov. 13.
Switch. A. J. Burger. 165,134, Nov. 13.
Table base, Tubular metal. F. L. Duer. 165,139, Nov. 13.
Tool, Camper's. W. A. Uttz. 165,198, Nov. 13.
Toy bank and shoe trees, Combination. J. Golden. 165,151, Nov. 13.
Toy horse, Inflatable. R. H. Wendt. 165,202, Nov. 13.
Warning device, Portable. S. Reuben, Jr. 165,192, Nov. 13.
Watchcase. J. Granat. 165,152, Nov. 13.
Wheel cover member or similar article. G. A. Lyon. 165,180–2, Nov. 13.
Wheel cover or similar article. G. A. Lyon. 165,179, Nov. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbé type refractometer. J. W. Forrest and R. F. E. Stegeman. 2,574,734, Nov. 13.
Acid-treating clay. G. Stecker. 2,574,895, Nov. 13.
Acyl ureide preparation. E. W. Eckey and A. D. Abbott. 2,574,864, Nov. 13.
Adducts of 1-alkenes with polyhalogenated alkanes. M. S. Kharasch. 2,574,832, Nov. 13.
Adhesive composition and making. L. F. Fiedler and P. J. Leakey. 2,575,265, Nov. 13.
Adjustable garment hanger. T. A. Bell. 2,574,999, Nov. 13.
Adjusting means for the jaws of a pivoted jaw wrench. J. W. Burrows. 2,574,909, Nov. 13.
Adjusting mechanism for temperature regulators. W. M. Watkins, Jr. 2,575,081, Nov. 13.
Advertising device for pencils or the like. H. W. Brewer. 2,574,615, Nov. 13.
Air cleaner and making parts thereof. F. Sebok. 2,575,136, Nov. 13.
Aircraft control apparatus. L. W. Gordon. 2,574,916, Nov. 13.
Airfoil. F. J. Mulholland. 2,575,185, Nov. 13.
Air impurity remover. S. J. Erling. 2,574,552, Nov. 13.
Air pilot valve. J. L. Cooney. 2,575,209, Nov. 13.
Alarm for motor vehicle tires, Low air pressure. C. L. Dyke. 2,574,863, Nov. 13.
Aliphatic amines from primary aliphatic amines, Production of secondary. W. F. Engel and H. Hoog. 2,574,693, Nov. 13.
Aliphatic di-ketones, Production of. E. G. E. Hawkins. 2,575,014, Nov. 13.
Aliphatic phosphonamides, Unsaturated. G. E. Walter, I. Hornstein, and G. M. Steinberg. 2,574,516–17, Nov. 13.
Alkyl ether of chlorofluoro heptene. E. T. McBee and W. S. Barnhart. 2,574,649, Nov. 13.
Alkyllead compounds, Continuous process for making. H. M. Rodekohr and S. M. Blitzer. 2,574,759, Nov. 13.
Alkylolamine salts of acid esters of phosphorus acids, Esterified. J. W. Bishop. 2,574,955, Nov. 13.
Alkyl sulfenyl trithiocarbonates, Manufacture of. P. M. Arnold. 2,574,457, Nov. 13.
Alloy: *See*—
Uranium-cobalt alloy.
Alloying magnesium with ferrous metals. G. E. McKinney and P. J. Motter. 2,574,581, Nov. 13.
All relay automatic telephone system trunk selection. J. H. Voss. 2,574,944, Nov. 13.
Alternating-current motor control apparatus. J. C. Mouzon. 2,574,837, Nov. 13.
Amplifier-rectifier circuit. J. F. Clark, III. 2,574,690, Nov. 13.
Amplifier, Selective. D. E. Howes. 2,575,109, Nov. 13.
Amplifier, Wide-band. L. W. Hershinger. 2,574,828, Nov. 13.
Anhydrides, Manufacturing. P. Chassaing and P. Biarnais. 2,575,159, Nov. 13.
Antenna, Microwave radar. A. P. King. 2,575,058, Nov. 13.
Antenna, Stabilized aircraft. R. Ward. 2,574,853, Nov. 13.
Antidetonating device. G. R. Ericson. 2,575,210, Nov. 13.
Antiseptic dental plate adhesive. C. J. Heath, C. A. Lawrence, and H. R. Kolar. 2,574,476, Nov. 13.
Antiskid device. H. J. Eisenhauer, Sr. 2,575,263, Nov. 13.
Antisnoring device. M. Clyde. 2,574,623, Nov. 13.
Apparatus for baking bread and similar food products. W. E. Owen. 2,575,291, Nov. 13.
Apparatus for calibrating piezoelectric crystal units. C. H. Grogan. 2,574,475, Nov. 13.
Apparatus for changing the mechanical advantage of a system. J. R. Stovall, Jr. 2,575,032, Nov. 13.
Apparatus for detecting the caloric outputs of gaseous fuels. P. Schuller. 2,574,665, Nov. 13.
Apparatus for dispensing and inscribing tape. L. D. Walker. 2,574,674, Nov. 13.
Apparatus for dry cleaning. W. R. Dapprich. 2,574,731, Nov. 13.
Apparatus for drying filaments. H. A. Kuljian. 2,574,833, Nov. 13.
Apparatus for drying sheet material. W. F. Roden. 2,574,844, Nov. 13.
Apparatus for focusing high-energy particles. W. K. H. Panofsky and W. R. Baker. 2,574,655, Nov. 13.
Apparatus for handling and packaging eggs. J. W. Cox. 2,574,959, Nov. 13.
Apparatus for making multiple ply extruded hose. F. M. Galloway. 2,574,555, Nov. 13.
Apparatus for making plywood tubing. T. E. Ilch. 2,574,920, Nov. 13.
Apparatus for partial surface hardening of crankshafts, camshafts, or like workpieces. L. Högel, T. Thelemarck, and C. Lingberg. 2,574,564, Nov. 13.
Apparatus for producing charged water. L. Gottlieb. 2,575,267, Nov. 13.
Apparatus for supplying cigarettes to packing machines. G. Dearsley. 2,574,628, Nov. 13.
Apparatus for synthesizing facsimile signals from coded signals. C. E. Hunt, Jr. 2,575,017, Nov. 13.
Apparatus for the surface coating of web materials. J. I. Nasmith. 2,574,584, Nov. 13.
Apparatus for transferring bottles. E. O. Hiller. 2,575,220, Nov. 13.
Apparatus for wear indicating and logging while drilling. E. A. Johnson. 2,575,173, Nov. 13.
Arc interrupter for electric switches. L. H. Matthias. 2,575,060, Nov. 13.
Arrangement of trunk lock and license plate on motor vehicles. H. C. Flacke. 2,575,211, Nov. 13.
Arrow holding attachment or rack for hunting bows. J. C. Ramsey. 2,575,126, Nov. 13.
Article pack. E. L. Shepard. 2,575,192, Nov. 13.
Artificial bait. R. Carter, Jr. 2,574,529, Nov. 13.
Artificial bait. B. O. Smith. 2,575,139, Nov. 13.
Artificial tooth. E. W. Baumgardner. 2,574,810, Nov. 13.
Ash tray, Windproof. J. A. Cadrain. 2,574,813, Nov. 13.
Atomizing apparatus. D. D. Peebles. 2,574,705, Nov. 13.
Automatic control for wave forms. B. E. Denton. 2,574,732, Nov. 13.
Automatic frequency and phase control system. E. H. Hugenholtz. 2,574,482, Nov. 13.
Automatic jacket and weight shifter for snap flask mold conveyers. F. R. Pollard and C. M. Young, Jr. 2,575,123, Nov. 13.
Automatic lathe headstock reciprocating means. A. Bechler. 2,574,775, Nov. 13.
Automatic variable speed and reverse hydraulic transmission. O. J. Eisele. 2,574,819, Nov. 13.
Automatically opening and closing lifting hook. F. R. Loney. 2,574,835, Nov. 13.
Automobile heating system for outdoor drive-in theaters. G. A. Behman and F. R. Meze. 2,574,949, Nov. 13.
Automotive distributor. R. E. Hall. 2,574,698, Nov. 13.
Azimuth measuring device. J. H. Dunaway and P. B. Powell. 2,575,166, Nov. 13.
Baby walker. L. Tantimonaco. 2,574,897, Nov. 13.
Bag: *See*—
Colostomy bag.
Bar: *See*—
Railway crossing bar.
Basket, Vegetable washing. M. Watson. 2,575,149, Nov. 13.
Bathtub protective covering. W. H. Slawson. 2,575,236, Nov. 13.
Batteries, Manufacturing. J. R. Smyth. 2,575,076, Nov. 13.
Battery-charging apparatus. G. Wheat. 2,575,151, Nov. 13.
Battery, Hydraulic press. W. C. Schmidt and F. A. Zaenkert. 2,574,892, Nov. 13.
Bean harvester catcher attachment. G. A. Peel. 2,575,120, Nov. 13.
Beater mill and classifier for producing sieve range sized chocolate products, Rotary. J. J. Alikonis. 2,574,948, Nov. 13.
Bell, Electronic swinging. D. W. Martin and W. R. Ayres. 2,574,577, Nov. 13.
Belt fastener. P. A. Siple. 2,574,502, Nov. 13.
Beta-di-piperonyl-amino-ethanol-hydrochloride. S. Carlsson. 2,574,620, Nov. 13.
Beta-thioalkyl mercaptan promoter-modifiers for conjugated diolefin polymerizations. H. R. Snyder and J. M. Stewart. 2,574,894, Nov. 13.
Beverage case. A. W. Reed. 2,574,983, Nov. 13.
Beverage dispensing valve. F. R. Hassler. 2,574,699, Nov. 13.
Bimetallic fastener. H. Fruth. 2,575,213, Nov. 13.

Bin feeding mechanism. A. L. Boltzen. 2,574,524, Nov. 13.
Bis carbonyl dithiophosphate compounds. A. H. Fischer. 2,574,554, Nov. 13.
Bit and holder therefor, Reversible. R. J. Stephens. 2,575,239 Nov. 13.
Bituminous composition. R. G. Mitchell, S. A. Hunn, R. G. Green, and W. L. Ghijsen. 2,574,930, Nov. 13.
Blade clod masher. G. S. Greeott. 2,574,917, Nov. 13.
Blade, Rotary wing. D. N. Meyers. 2,574,980, Nov. 13.
Blind-landing system, Magnetic. G. C. Lawrence. 2,574,490, Nov. 13.
Board: *See*—
Marble game board.
Board for beehives, Combination. C. W. Evans. 2,575,102, Nov. 13.
Body encircling article. R. N. Wilbur. 2,574,678, Nov. 13.
Boiler. C. T. Denker and J. R. Moore. 2,574,913, Nov. 13.
Bonding plywood, an adhesive therefor and making it. W. G. Van Beckum and H. L. Cook. 2,574,803, Nov. 13.
Border clipping device. H. Carter. 2,574,858, Nov. 13.
Bottle holder. E. Jones. 2,575,056, Nov. 13.
Bottom ring for hot tops and mounting means therefor. W. M. Charman. 2,574,815, Nov. 13.
Box: *See*—
Round cornered box.
Box blank folding machine. W. E. Bowersock. 2,574,527, Nov. 13.
Bracelet, Expansible. C. M. Bryzek. 2,575,207, Nov. 13.
Brake holding device and vacuum switch actuated control circuit therefor. L. B. Forman. 2,574,821, Nov. 13.
Brassière. S. M. Curran. 2,574,962, Nov. 13.
Bread dough finishing machine. C. J. Garels. 2,574,636, Nov. 13.
Breaking petroleum emulsions. M. de Groote. 2,574,544–5, Nov. 13.
Breaking petroleum emulsions. M. de Groote and B. Keiser. 2,574,543, Nov. 13.
Breaking petroleum emulsions. M. de Groote and A. F. Wirtel. 2,574,538, Nov. 13.
Breaking petroleum emulsions using certain hydroaromatic analogues of certain hydrophile hydroxylated synthetic products. M. de Groote and B. Keiser. 2,574,536, Nov. 13.
Broach. R. T. and A. I. Bess. 2,574,953, Nov. 13.
Bronzing machine. L. Faller. 2,574,633, Nov. 13.
Brown oxide of iron, Preparation of. L. M. Bennetch. 2,574,459, Nov. 13.
Bumper, fender, and stand assembly, Motorcycle rear. W. J. Harley. 2,574,739, Nov. 13.
Burner control and ignition switching mechanism for providing a purging period, Safety. H. C. Nycum and C. O. Baird. 2,575,289, Nov. 13.
Burner for liquid and gaseous fuels. K. H. F. and K. E. Lundberg. 2,574,879, Nov. 13.
Burner head for gas or oil burners, Adjustable outlet. G. W. Franzheim. 2,574,635, Nov. 13.
Burner with crossover burner grid, Dual band gas. W. B. Ensign and O. Wildermann. 2,575,101, Nov. 13.
Bus bar connector. D. L. Greene and C. A. Badeau. 2,574,781, Nov. 13.
Butadiene and 1,1,2 - trichloro - 3,3,3 - trifluoropropene-1. M. Prober. 2,575,125, Nov. 13.
Cabinet: *See*—
Phonograph record storage cabinet.
Cabinet with sewing machine raising and lowering mechanisms. D. H. Chason. 2,575,045, Nov. 13.
Cable connector. J. McCoy and E. O. Weining. 2,574,579, Nov. 13.
Calendar, Memorandum. L. H. Waring. 2,574,899, Nov. 13.
Camera, including rapid film threading and releasing means. R. W. Wallace and P. J. Ernisse. 2,575,035, Nov. 13.
Camera utilizing spring closed film retorts, Roll film. J. Mihalyi. 2,575,024, Nov. 13.
Can filling machine. E. F. Shaw. 2,574,595, Nov. 13.
Candle filter. D. L. Bailey and R. C. Bard. 2,574,521, Nov. 13.
Cap: *See*—
Uniform cap.
Carburetor. F. B. Sweeney. 2,574,670, Nov. 13.
Carton, Collapsible cellular. H. V. Bolding. 2,574,461, Nov. 13.
Case: *See*—
Beverage case.
Fluid- and dustproof case.
Gun case.
Jewelry storage and display case.
Casing for boilers. F. Rankin and H. Dannemann. 2,575,069, Nov. 13.
Catalytic dehydration process. G. Karmas. 2,574,484, Nov. 13.
Cataract bifocal lens. H. A. Courmettes. 2,574,960, Nov. 13.
Cation-active polychloride containing an imidazoline ring and making same. M. de Groote and B. Keiser. 2,574,537, Nov. 13.
Cationic surface active agents and preparation. J. T. Thurston and W. N. Oldham. 2,574,510, Nov. 13.
Cementing device for tape. H. J. Vachon. 2,574,942, Nov. 13.
Certain para-cyclohexylcyclohexanol ethers of certain glycols. M. de Groote, A. F. Wirtel, and O. H. Pettingill. 2,574,541–2, Nov. 13.
Certain para-menthylcyclohexanol ethers of certain glycols. M. de Groote, A. F. Wirtel, and O. H. Pettingill. 2,574,539–40, Nov. 13.
Certain resins containing both hydroxyl and allyl radicals, and making same. M. de Groote. 2,574,817, Nov. 13.
Chain for wristbands, Expanding. R. Jaccarino and A. Pinson. 2,574,567, Nov. 13.
Chain tightener. W. V. Covert and G. G. Mize. 2,575,313, Nov. 13.
Chemical processes and composition. M. F. Bechtold and O. E. Snyder. 2,574,902, Nov. 13.
Chronoscope. W. W. Cushman. 2,574,467, Nov. 13.
Cigar or cigarette extinguisher. M. de la Torre. 2,575,261, Nov. 13.
Circuit: *See*—
Amplifier-rectifier circuit.
Reverting call circuit.
Scanning circuit.
Circuit for suppressing surges caused by gain control, Amplifying. R. L. Henson. 2,574,477, Nov. 13.
Circuit having manual control of receiving and transmitting efficiency, Substation. H. C. Pye. 2,574,887, Nov. 13.
Clamp: *See*—
Universal mounting antenna clamp.
Clamp for presses and ironing boards, Holding down. P. L. Abbott and O. G. Grove. 2,574,722, Nov. 13.
Classifier and separator. L. G. McLean. 2,574,493, Nov. 13.
Cleaner: *See*—
Tongue cleaner.
Cleansing tissue package and packaging. W. C. Rodgers. 2,574,710, Nov. 13.
Clip. J. E. Petrie. 2,574,755, Nov. 13.
Clock operated switch. E. G. Gaynor. 2,575,215, Nov. 13.
Closure cap having means for limiting opening movement of the cap, Axially slidable apertured. R. B. Waite. 2,574,989, Nov. 13.
Closure feeding and applying mechanism. W. E. Zimmerman and H. C. Konrad. 2,574,771, Nov. 13.
Closure for collapsible tube, having means to prevent its accidental removal therefrom, Retractible. R. B. Waite. 2,574,990, Nov. 13.
Cloth stentering machine. R. C. Mather. 2,574,928, Nov. 13.
Clothesbasket, Portable. H. Hieb. 2,574,563, Nov. 13.
Clothes-washing machine. H. Hovden. 2,574,566, Nov. 13.
Clothes-washing machine utilizing a tumbling drum. W. J. Russell. 2,574,985, Nov. 13.
Clutch mechanism, Multiple. W. T. Dunn. 2,574,778, Nov. 13.
Clutch plate, Flexible. G. I. Goodwin. 2,574,966, Nov. 13.
Clutch wear compensator. R. S. Clark. 2,574,622, Nov. 13.
Coal gathering and loading apparatus for mine conveyers. O. G. Myers. 2,575,287, Nov. 13.
Coaster. A. D. Gilbert. 2,574,638, Nov. 13.
Coat. L. Spatz. 2,574,716, Nov. 13.
Coffee brewer. F. N. Cronholm. 2,575,260, Nov. 13.
Collet chuck. J. M. Peters. 2,574,754, Nov. 13.
Colostomy bag. N. H. Mette. 2,575,063, Nov. 13.
Combustion pot with fuel and air nozzle head, Jacketed. W. A. Reed and A. H. Shapiro. 2,575,070, Nov. 13.
Compass, Gyromagnetic. C. F. Fragola. 2,574,471, Nov. 13.
Composite photographic or cinematographic pictures, Manufacture of. W. M. Harcourt. 2,575,270, Nov. 13.
Composition comprisinng a vinyl chloride resin and 3,5-dimethyl Δ4 :5-cyclohexene 1,2-di-2-ethylhexyl dicarboxylate. G. L. Fraser. 2,575,011, Nov. 13.
Compositions and processes for printing organic derivatives of cellulose using a mixture of four swelling agents. A. Wiazmitinow and H. Goorhuis. 2,574,806, Nov. 13.
Compounding finely divided solids with butadiene-styrene synthetic rubber latices utilizing alkaline lignin solutions as dispersing agents. W. McMahon. 2,575,061, Nov. 13.
Compressor, Reciprocatory. A. O. Carpenter. 2,574,814, Nov. 13.
Computer for grounded aviation trainers, Flight. C. J. Kidder. 2,574,570, Nov. 13.
Connector: *See*—
Bus bar connector.
Cable connector.
Detachable fishhook connector.
Electrical junction box connector.
Hot clamp connector.
Hot line connector.
Rail connector.
Connector of the trolley tap type, Electrical. J. F. Conrad. 2,574,816, Nov. 13.
Constant pressure centrifugal pump. G. W. Ely. 2,574,631, Nov. 13.
Constant voltage positive bias supply. C. F. Hobbs and N. B. Saunders. 2,575,107, Nov. 13.
Construction and mounting of fuel burner nozzles, especially for gas turbines and like apparatus. G. B. R. Feilden. 2,575,264, Nov. 13.
Construction for connecting wire members together and producing and assembling the same. R. R. Leven. 2,574,572, Nov. 13.
Contacting apparatus. C. J. Ryant, Jr. 2,575,186, Nov. 13.
Contacting fluid solids with gases, Process and apparatus for. W. F. Rollman. 2,575,297, Nov. 13.
Container. I. Mastin. 2,574,927, Nov. 13.

Container and dispenser for strip material. C. S. Hough, R. O. Wesley, C. R. Scalingi, and L. B. Gaeke. 2,574,565, Nov. 13.
Container and dispensing means for the contents thereof, Vacuum packed. A. E. Trout and V. P. Oneto. 2,574,720, Nov. 13.
Container and sliding closure therefor. I. Green and A. Pitar. 2,574,560, Nov. 13.
Container for corrosive fluids. R. N. Nason, Jr. 2,574,931, Nov. 13.
Container having a spring-biased curved sliding closure, Dispensing. L. Hermani. 2,575,106, Nov. 13.
Container with puncturing means for sealed cans, Dispensing. E. A. Abraham. 2,575,083, Nov. 13.
Container with valved outlet operated by applicator, Perfume. F. C. Lurz. 2,575,180, Nov. 13.
Continuous feed brake shoe grinding fixture. F. A. Harper and J. M. Graham. 2,574,640, Nov. 13.
Control. E. P. Bullard, III. 2,574,687, Nov. 13.
Control valve mechanism. J. D. Cochin. 2,574,624, Nov. 13.
Controlling the level of liquid in dishwashing machines. S. B. F. Carlstedt. 2,575,246, Nov. 13.
Converting hydrocarbon material. R. C. Lassiat and R. T. Savage. 2,574,489, Nov. 13.
Conveyer: *See*—
Wearing apparel conveyer.
Conveyor and elevator, Grain. D. Love. 2,574,792, Nov. 13.
Conveyor with automatic jacket and weight shifter, Snap flask mold. B. E. Gavin, Sr. 2,575,103, Nov. 13.
Cooker, Low-pressure. B. Ben-Dor. 2,574,950, Nov. 13.
Cooling device for electrical apparatus in particular electric brakes. P. E. Bessière. 2,575,000, Nov. 13.
Coop, Blood testing poultry. D. V. Smith. 2,574,765, Nov. 13.
Copolymerization of conjugated drying oils and acids with polymerizable unsaturated compounds. C. J. Opp and R. E. Werner. 2,574,753, Nov. 13.
Copolymers of styrene or derivative thereof and an ester of an abietyl alcohol and an α,β-ethylenically unsaturated carboxylic acid. G. L. Schertz. 2,574,847, Nov. 13.
Coring apparatus. J. C. Stokes. 2,574,717, Nov. 13.
Corn pad. W. M. Scholl. 2,575,133, Nov. 13.
Cotton chopper. R. E. Seltzer. 2,574,666, Nov. 13.
Coupler for toy cars and releasing means. C. K. and L. D. Edwards. 2,574,630, Nov. 13.
Coupling: *See*—
Rotary turbine type hydraulic coupling.
Coupling for power cables, Quick disconnect. J. W. Anderson and J. W. Hamilton. 2,574,456, Nov. 13.
Cover: *See*—
Diaper cover.
Infant's diaper cover.
Wheel cover.
Cover and holder, Bed. R. W. Meighan. 2,574,748, Nov. 13.
Cover and protector, Flatiron. G. K. Pattison. 2,575,118, Nov. 13.
Crane, Heavy-duty mobile. R. G. Le Tourneau. 2,574,646, Nov. 13.
Crank, Adjustable rotary counterbalance. J. F. Eaton. 2,575,075, Nov. 13.
Crankcase attachment. R. D. Hess. 2,575,274, Nov. 13.
Crash guard for bicycles and the like. R. C. Persons. 2,575,292, Nov. 13.
Creping nylon. A. L. Dorgin. 2,575,008, Nov. 13.
Crib and stroller, Folding. T. F. Schmidt. 2,575,189, Nov. 13.
Crib, Folding. S. T. Aarestad. 2,574,610, Nov. 13.
Crib-playpen, Combination. P. R. Graf and T. W. Tlapek. 2,574,559, Nov. 13.
Cross-connected armature. W. E. Menzies. 2,574,650, Nov. 13.
Cross connection eliminator. J. D. Langdon. 2,574,488, Nov. 13.
Crystal grinder attachment for suction cleaners. E. F. Martinet. 2,574,578, Nov. 13.
Cup and cover. J. C. Barnes. 2,574,612, Nov. 13.
Cupriferous azo-dyestuffs of the stilbene series. R. Gunst. 2,574,782, Nov. 13.
Curler for making pin curls. J. H. and E. Q. Moses. 2,575,184, Nov. 13.
Curved track overhead door. J. E. Tillotson. 2,575,201, Nov. 13.
Cutter: *See*—
Stalk cutter.
Cutter bit for mining machines. A. H. Genter. 2,574,735, Nov. 13.
Cutter head structure with hydraulically operated cutter mountings. R. T. Murray. 2,575,116, Nov. 13.
Cyano arylamides, Preparing. D. W. S. Young. 2,575,036, Nov. 13.
Cycloheximide and its production. A. J. Whiffen, R. L. Emerson, and N. Bohonos. 2,574,519, Nov. 13.
Cylinder for hydraulic brakes, Tilting valve master. J. R. Heidloff. 2,574,969, Nov. 13.
Cylinder for hydraulic brakes, Tilting valve master. L. E. La Brie. 2,574,923, Nov. 13.
Damping means for railway trucks. J. C. Settles and C. L. Orr. 2,575,137, Nov. 13.
Decelerometer. R. R. Stokes. 2,574,600, Nov. 13.
Dehumidifier. A. T. Race, Jr. 2,575,234, Nov. 13.
Deodorizing terpenes. A. T. Rooch and C. E. Greenlaw. 2,574,498, Nov. 13.
Detachable fishhook connector. F. H. Caldwell. 2,575,044, Nov. 13.
Determining the rate of moisture absorption. H. J. Green, Jr. 2,575,169, Nov. 13.
Device for fastening metal roof to buildings. W. E. Sampson. 2,574,937, Nov. 13.
Device for releasing acoustical time signals in clocks. W. H. Paül and E. F. Trenkle. 2,574,703, Nov. 13.
Device for retracting face skin. A. M. Brown. 2,575,204–5, Nov. 13.
Device for scaring birds. H. L. Berger. 2,575,252, Nov. 13.
Device for storing and bundling newspapers. G. D. Dankert. 2,575,048, Nov. 13.
Dial unit assembly, Interchangeable clock. M. A. Blouin. 2,575,090, Nov. 13.
Dialyzing membrane and dialysis. R. T. K. Cornwell, E. J. Dunn, and A. W. Hunter. 2,574,533, Nov. 13.
Diaper cover. M. Donovan. 2,575,163, Nov. 13.
Diaper cover. M. Donovan. 2,575,165, Nov. 13.
Diaper housing. M. Donovan. 2,575,164, Nov. 13.
Diaphragm power chamber. E. Knauss. 2,574,700, Nov. 13.
Dibasic acid esters and producing them. P. V. Smith, Jr. 2,575,195, Nov. 13.
Dicarboxylic acids or anhydrides thereof, Production of. W. G. Toland, Jr. 2,574,512, Nov. 13.
Dichloro diether esters. M. F. Fegley and W. J. Croxall. 2,575,009, Nov. 13.
Dichloromalonaldehydrates. M. F. Fegley and W. J. Croxall. 2,575,010, Nov. 13.
Die and punch retainer device. R. Chaney. 2,574,910, Nov. 13.
Die preparation. W. A. Maracz. 2,574,793, Nov. 13.
Discharge assembly for centrifugal separators. J. E. Cook. 2,574,531, Nov. 13.
Dispenser: *See*—
Glue dispenser.
Dispenser closure, Pressureproof. R. B. Waite. 2,574,991, Nov. 13.
Dispensing package for razor blades. R. A. Jolie. 2,574,568, Nov. 13.
Dissolving silk fibers. T. C. Whitner. 2,575,152, Nov. 13.
Door: *See*—
Curved track overhead door.
Sectional vertical acting door.
Door controlling mechanism and limit switch. B. A. Andrews and G. M. Pro. 2,574,684, Nov. 13.
Door operator. H. E. Rohrman. 2,574,760, Nov. 13.
Double hooked lid lifting tool. A. S. Haislip. 2,574,918, Nov. 13.
Drier: *See*—
Indoor portable oscillating drier.
Drill support. W. H. Cole. 2,575,097, Nov. 13.
Drive control system for felt production. N. S. McKay, A. L. Clements, and F. J. Hicks. 2,574,580, Nov. 13.
Dry cotton picker finger. A. L. Foster. 2,574,822, Nov. 13.
Dual pump. E. J. Senninger. 2,575,074, Nov. 13.
Duplex thermostatic valve. H. S. Duey. 2,575,100, Nov. 13.
Dust collector filter. G. H. Yokes. 2,575,148, Nov. 13.
Dynamic braking of a single direct-current series motor. J. D. Leitch and P. G. White. 2,575,021, Nov. 13.
Educational head structure with shiftable vocal members. F. F. Olson. 2,574,838, Nov. 13.
Effecting transverse parallel plane scanning of the rotary drum. F. W. Jarvis. 2,574,872, Nov. 13.
Electric accumulators. M. Barak. 2,575,088, Nov. 13.
Electric annealing apparatus. W. J. Willenborg. 2,574,606, Nov. 13.
Electric iron. A. Amuchastegui. 2,574,856, Nov. 13.
Electric switch. S. Langley. 2,574,745, Nov. 13.
Electric switch. T. Unsworth. 2,575,147, Nov. 13.
Electric switch. J. J. Zeller. 2,574,770, Nov. 13.
Electrical control system. C. O. Wood. 2,574,520, Nov. 13.
Electrical junction box connector. A. H. Ziph. 2,574,608, Nov. 13.
Electrical relay. L. W. Droel. 2,574,549, Nov. 13.
Electrically neutral organic liquid compositions. G. E. F. Brewer. 2,574,528, Nov. 13.
Electrically noiseless progressive contact means. R. P. Mork. 2,575,230, Nov. 13.
Electromagnetic contactor with plunger armature. A. P. Charbonneau and F. J. Russell. 2,575,095, Nov. 13.
Electromagnetic transducer head assembly. R. A. von Behren. 2,574,898, Nov. 13.
Electron beam deflecting system. H. E. Kallmann. 2,574,975, Nov. 13.
Electron discharge device and circuit. C. W. Hansell. 2,574,562, Nov. 13.
Electron tube protective system. W. N. Parker, M. V. Hoover and H. C. Vance. 2,575,232, Nov. 13.
Electronic counting arrangement. G. T. Baker. 2,575,087, Nov. 13.
Ellipsograph. W. H. Christie. 2,574,464, Nov. 13.
End connection for energy absorbers. R. N. Janeway and W. Van Der Sluys. 2,574,788, Nov. 13.

Endless breaker plate structure for crushers. E. H. Keiper. 2,575,057, Nov. 13.
Endless chain of counting relays. J. I. Bellamy. 2,574,904, Nov. 13.
Engine: *See*—
Inter-combustion engine.
Valveless intermittent ram-jet engine.
Engine for producing reciprocatory motion having substantially constant velocity except during reversals. V. R. Noll. 2,574,751, Nov. 13.
Engine suspension. F. S. Thomas, Jr. 2,574,602, Nov. 13.
Engineer's point finder. E. W. Carlson and V. J. Flink. 2,575,245, Nov. 13.
Esters of N-ethanol morpholine, Production of. E. Bauer. 2,575,041, Nov. 13.
Exalted carrier receiver. M. G. Crosby. 2,575,047, Nov. 13.
Excavator of the carry type, Clamshell. J. Sell. 2,574,713, Nov. 13.
Explosive device. C. E. Howell. 2,574,830, Nov. 13.
Explosive-operated device. G. O. Rockwell. 2,575,071, Nov. 13.
Explosively driven stud with knock-off head portion. R. Temple. 2,575,079, Nov. 13.
Extractive distillation of alcohol-containing mixtures with diphenyl ether as solvent. C. S. Carlson and P. V. Smith, Jr. 2,575,285, Nov. 13.
Extractive distillation of alcohols. C. S. Carlson and P. V. Smith, Jr. 2,575,243, Nov. 13.
Extractive distillation of polymer-containing alcohols. C. E. Morrell, R. F. Robey, and N. C. Robertson. 2,575,284, Nov. 13.
Extractor: *See*—
Fruit juice extractor.
Extrusion apparatus. H. E. Bücken. 2,574,907, Nov. 13.
Face lifting device. A. M. Brown. 2,575,206, Nov. 13.
Facilitating engine starting. G. R. Ericson. 2,574,694, Nov. 13.
Fastener: *See*—
Belt fastener. Friction slide fastener.
Bimetallic fastener.
Fastener driving device. J. C. Lang. 2,574,875, Nov. 13.
Fastener for crypt fronts. J. B. and O. A. Sinner. 2,574,938, Nov. 13.
Faucet, Mixed drink. C. J. Braun. 2,574,906, Nov. 13.
Faucet spray attachment. S. Isenberg. 2,575,222, Nov. 13.
Feather drying system. A. M. Schroeder. 2,574,848, Nov. 13.
Fence, Sectional precast concrete. C. Rose. 2,574,711, Nov. 13.
Ferrous alloys and articles made therefrom. D. J. Giles. 2,575,216, Nov. 13.
Ferrous alloys and abrasive-resistant articles made therefrom. D. J. Giles. 2,575,217–19, Nov. 13.
Filing appliance. G. H. Bockius and C. E. Erickson. 2,574,523, Nov. 13.
Filing device. D. A. Gunn. 2,574,870, Nov. 13.
Filler cap and other closures. R. C. Marcell. 2,574,836, Nov. 13.
Film advancing mechanism in a sound-picture strip projector. W. F. Wolfner II. 2,575,203, Nov. 13.
Film spool. E. Medal. 2,574,883, Nov. 13.
Filter: *See*—
Candle filter. Dust collector filter.
Fire extinguisher. A. O. Samuels. 2,574,890, Nov. 13.
Fish lure. V. Clark. 2,575,248, Nov. 13.
Fish lure. W. B. Moulton. 2,574,702, Nov. 13.
Fish stringing device. J. F. Scheidt. 2,574,846, Nov. 13.
Fishing pole construction. D. M. Dean. 2,575,049, Nov. 13.
Fishing reel. R. N. Baugh and R. F. Wycinowski. 2,575,156, Nov. 13.
Fishing reel. R. C. Swigerd. 2,574,718, Nov. 13.
Flame igniter for jet propulsion units. F. A. Parker, Jr. 2,574,495, Nov. 13.
Flask, Dental. L. Scharfe. 2,574,593, Nov. 13.
Fluid actuated integrator. E. F. Stover. 2,575,304, Nov. 13.
Fluid and dustproof case. B. Taubert. 2,574,671, Nov. 13.
Fluid flow controller. A. P. Fulkerson. 2,574,823, Nov. 13.
Fluid pump pressure limiting valve. E. L. Baugh. 2,574,613, Nov. 13.
Fluorocarbons, The preparation of. G. H. Cady. 2,574,619, Nov. 13.
Flush tank drip catch. N. A. Rubner. 2,575,130, Nov. 13.
Focus adjusting mechanism for aerial cameras. C. M. Lee and G. L. Barringer. 2,575,020, Nov. 13.
Food forming and cooking machine, Automatic. F. S. Nanna. 2,575,068, Nov. 13.
Footwear with sponge rubber sole indirectly connected to the upper. H. W. Rollman. 2,574,582, Nov. 13.
Forming a flexible coil clutch. T. R. Smith. 2,574,714, Nov. 13.
4-vinyl-1-cyclohexene and 1,3-butadiene of high purity, Producing. J. C. Hillyer. 2,574,481, Nov. 13.
Fractionating apparatus. W. A. Shire. 2,575,193, Nov. 13.
Freezable self-sustaining body of silica gel and making the same. E. O. Sears. 2,574,763, Nov. 13.
Frequency determination. W. J. Finney. 2,574,470, Nov. 13.
Friction shock absorbing mechanism. A. E. Dentler. 2,574,629, Nov. 13.
Friction slide fastener. J. M. Schaye. 2,575,187, Nov. 13.
Fruit juice extractor. Z. Karp and M. Koffler. 2,574,922, Nov. 13.
Fuel for automobile type marine engines, Safety. W. C. Howell, Jr. 2,575,275, Nov. 13.
Fuel oil composition. J. B. R. Caron, E. B. Glendenning, and C. Wies. 2,575,003, Nov. 13.
Fuel receiving and conveying apparatus. E. Martin. 2,575,023, Nov. 13.
Furnace: *See*—
Prefabricated furnace.
Furniture, Metal. J. U. Ridder. 2,574,758, Nov. 13.
Garment hanger. F. D. Dwyer. 2,574,963, Nov. 13.
Garment marker. G. Rizzolo. 2,574,709, Nov. 13.
Gas turbine control system. V. Moore. 2,575,229, Nov. 13.
Gate for door openings, Adjustable. C. B. Woodruff. 2,574,807, Nov. 13.
Gauge: *See*—
Magnetic flow gauge.
Gauge. W. Ames. 2,574,723, Nov. 13.
Gauging device for glass containers and the like. R. J. Morcom. 2,575,227, Nov. 13.
Gear shift and throttle control system. E. D. Johnson. 2,575,277, Nov. 13.
Glow-tube voltage indicator. W. C. Linton. 2,575,279, Nov. 13.
Glue dispenser. W. A. Leonard. 2,574,645, Nov. 13.
Grill, Outdoor. S. K. Wolff. 2,575,082, Nov. 13.
Grinder, Wheel. H. G. Foster. 2,575,212, Nov. 13.
Guided toy vehicle. C. O. Jaeger. 2,575,055, Nov. 13.
Guillotine knife-improved values for hydraulic clamp. F. W. Seybold and N. Herman. 2,574,501, Nov. 13.
Gun case. J. E. Crew and C. P. Wilbert. 2,574,730, Nov. 13.
Hair covering, Ornamental. F. D. and J. I. Graber. 2,574,558, Nov. 13.
Hair retainer. L. T. Sawyer. 2,574,891, Nov. 13.
Halogenated hydrocarbons, Manufacture of. C. M. Fontana and E. Gorin. 2,575,167, Nov. 13.
Hamburger mold. W. L. Jameson and F. L. Rogers. 2,574,831, Nov. 13.
Hammer metal finish. R. H. Prislin. 2,574,659, Nov. 13.
Hanger: *See*—
Adjustable garment hanger. Garment hanger.
Hat and tie hanger.
Hanger and attachment therefor, Garment. J. M. Coffin. 2,574,860, Nov. 13.
Hanger construction, Spring-hand gripping control garment. J. Blumenstein. 2,575,158, Nov. 13.
Hat and tie hanger. J. P. Goodhand. 2,574,557, Nov. 13.
Headrest, Portable. M. Ross. 2,574,590, Nov. 13.
Heated blast cupola. C. A. Hartman. 2,574,740, Nov. 13.
Heater for automobiles, Automatic electric circulation. J. R. McClain. 2,574,929, Nov. 13.
Heating system, Automatically controlled vapor. T. J. Lehane, J. Van Vulpen, and R. J. Vlaming. 2,574,877, Nov. 13.
Heating system control. T. J. Lehane, L. E. Haskett, and E. W. Johnson. 2,574,925, Nov. 13.
Herbicidal composition containing oxo bottoms, Selective crab grass. J. F. McKay, Jr. and L. Z. Jasion. 2,575,282, Nov. 13.
High-frequency unit for inert gas arc welding. C. L. Volff and J. Hammerslag. 2,574,514, Nov. 13.
Highway marking paint containing glass beads. H. Heltzer. 2,574,971, Nov. 13.
Highway marking paint containing glass beads. J. M. Hill. 2,574,972, Nov. 13.
Hinge, Storm window. G. A. Thomas. 2,575,145, Nov. 13.
Hoe disk, Rotary. H. G. Traver. 2,575,321, Nov. 13.
Hoist, Traveling shop. A. J. Getz and G. D. Weed. 2,574,473, Nov. 13.
Hoist, Vehicle. L. L. Eakin. 2,575,262, Nov. 13.
Holder: *See*—
Bottle holder. Saw blade holder.
Map holder. Spool holder.
Holder for checks, record slips and the like. W. E. Niswander. 2,574,885, Nov. 13.
Holder for leader lines. H. C. Buicke. 2,574,908, Nov. 13.
Holder for telephone instruments. L. H. Van Dyke. 2,575,306, Nov. 13.
Hook: *See*—
Automatically opening and closing lifting hook.
Hose uncoupling system. W. Sluyter. 2,574,668, Nov. 13.
Hot clamp connector. J. B. Clapp. 2,574,776, Nov. 13.
Hot line connector. A. J. Moore. 2,574,796, Nov. 13.
Hot water circulator. M. Parnes and A. Gruber. 2,574,587, Nov. 13.
Household appliance. R. C. Kersh. 2,574,643, Nov. 13.
Humidifying apparatus. S. W. Wallin. 2,574,852, Nov. 13.
Hydraulic automobile jack. R. H. Clarke. 2,575,160, Nov. 13.
Hydraulic jack. I. M. White. 2,575,308, Nov. 13.

Hydraulic log barking machine having support for log-rotating rollers tiltable to laterally discharge the log. E. C. Shaw. 2,575,302, Nov. 13.
Hydraulic operated traverse mechanism. K. E. Smith. 2,575,031, Nov. 13.
Hydraulic pumping jack. I. M. White. 2,575,241, Nov. 13.
Hydraulic valve. O. M. Good. 2,574,556, Nov. 13.
Hydraulically operated transfer molding press. R. K. Sedgwick. 2,575,190, Nov. 13.
Hydrocarbon conversion, Method and apparatus for. T. P. Simpson. 2,574,503, Nov. 13.
Hydrocarbon conversion, Method and apparatus for. E. Utterback and F. C. Fahnestock. 2,574,850, Nov. 13.
Hydrofluorination of acetylenic hydrocarbons. J. C. Hillyer and J. F. Wilson. 2,574,480, Nov. 13.
Hydroxydiketones. M. S. Schechter and F. B. La Forge. 2,574,500, Nov. 13.
Igniter. T. H. Lennox. 2,575,113, Nov. 13.
Ignition device and parts thereof. W. C. Smith. 2,575,140, Nov. 13.
Image converter tube. C. S. Szegho. 2,575,033, Nov. 13.
Implant for artificial eyes. T. I. Moore. 2,574,750, Nov. 13.
Implement assembly for rotary tillers. A. O. Zorn. 2,574,772, Nov. 13.
Impregnating electrical coils. R. L. Brown. 2,574,686, Nov. 13.
Improving fastness to crocking of azoic dyed materials using certain vinyl resins. E. H. Rossin. 2,575,026, Nov. 13.
Incorporation of additives into molten metal. O. Smalley. 2,574,764, Nov. 13.
Indication transmitting apparatus for remote-control systems of the code type. E. B. Walkup. 2,574,805, Nov. 13.
Indicator: *See*—
Glow-tube voltage indicator. Station indicator.
True airspeed indicator.
Indicator device for controlling the period of operation of engines. F. K. H. Nallinger. 2,574,583, Nov. 13.
Indoor portable oscillating drier. E. K. F. Chun. 2,574,621, Nov. 13.
Induction hardening of ways of machine tools. J. D. Williams. 2,574,855, Nov. 13.
Infant's diaper cover. W. F. Gowdy. 2,575,054, Nov. 13.
Ingredient of adhesives and making it. C. C. Heritage. 2,574,785, Nov. 13.
Injecting a flowable substance into a stream of liquid. H. A. Petsch. 2,574,756, Nov. 13.
Insecticide formulation. C. C. Crawford and L. L. Jaquier, Jr. 2,575,098, Nov. 13.
Insert for dental flasks. L. Scharfe. 2,574,594, Nov. 13.
Instrument and diaphragm therefor, Sound producing. J. E. Petek. 2,575,293, Nov. 13.
Instrument, Musical. J. W. McBride. 2,574,880, Nov. 13.
Instrument, Stringed musical. J. W. McBride. 2,574,881, Nov. 13.
Instrument, Writing. H. N. Hagel. 2,574,561, Nov. 13.
Insulating finishing cements. M. C. Randall and G. S. Gethen. 2,574,843, Nov. 13.
Internal-combustion engine. J. C. Perry. 2,574,934, Nov. 13.
Ion trap. G. J. Mucher. 2,575,067, Nov. 13.
Iron: *See*—
Electric iron.
Irrigating machine. W. L. Frampton. 2,574,634, Nov. 13.
Jack: *See*—
Hydraulic automobile jack. Hydraulic pumping jack.
Hydraulic jack. Lifting jack.
Jar and jacket therefor. J. E. Menrath. 2,575,283, Nov. 13.
Jaw crusher with double toggle. R. R. Shafter. 2,575,301, Nov. 13.
Jewelry storage and display case. H. P. Hopp and A. E. Kunzelman. 2,575,016, Nov. 13.
Joint for concrete slab road pavement. Sealed. J. E. Carter. 2,575,247, Nov. 13.
Kerf-cutting machine. L. E. Topham and G. P. S. Cross. 2,574,672, Nov. 13.
Kite, Parachute dropping. H. Berthene. 2,575,157, Nov. 13.
Knitting machine, Straight bar. F. Lambach. 2,574,487, Nov. 13.
Knob set privacy latch. F. E. Best. 2,574,726, Nov. 13.
Knockdown stand. C. L. Youngstrom. 2,574,607, Nov. 13.
Lading brace for freight cars. H. C. Pierce. 2,574,658, Nov. 13.
Latch: *See*—
Knob set privacy latch.
Latent image intensification. B. H. Carroll. 2,575,002, Nov. 13.
Laundry machine having washing, rinsing, and liquid expelling means. E. C. Olson. 2,574,752, Nov. 13.
Lawn mower having a slidable and tiltable reel. G. D. Berdan. 2,574,725, Nov. 13.
Lawn trimmer. E. Allen. 2,574,947, Nov. 13.
Lens beveling machine. A. Lemay. 2,575,022, Nov. 13.
Lettering scriber. W. H. Schneider. 2,574,664, Nov. 13.
Lever actuated operating mechanism for spout closures. W. A. Lebus. 2,574,876, Nov. 13.
Lifting jack. A. C. Howard. 2,575,108, Nov. 13.
Lighter, Oil burner. C. H. Harriman and W. H. Oscanyan. 2,574,968, Nov. 13.
Lighting fixture having isolated compartments, Explosion-proof. T. E. McDowell and P. S. Rockwell. 2,574,882, Nov. 13.
Lighting fixture having means to center and align the fixture on a support, Fluorescent. H. Phillips. 2,574,886, Nov. 13.
Liquid filler valve. P. E. Luther. 2,574,746, Nov. 13.
Lock: *See*—
Safety lock. Sash lock.
Lock for roll-film spools, Light. J. Mihalyi. 2,575,025, Nov. 13.
Locking device, Adjustable. E. C. Deal. 2,574,535, Nov. 13.
Locomotive, Gas turbine. R. C. Allen. 2,575,242, Nov. 13.
Lubricant foam control system for engines. M. L. Edwards. 2,575,315, Nov. 13.
Lubricating composition. D. E. Adelson. 2,574,994, Nov. 13.
Lubricating grease composition. A. J. Morway and P. V. Smith, Jr. 2,575,286, Nov. 13.
Lubricator. H. J. Koepke. 2,574,744, Nov. 13.
Lunch pack. J. Scheel. 2,575,299, Nov. 13.
Machine for applying mortar bonding material to building blocks. G. W. Walker. 2,574,675, Nov. 13.
Machine for continuous molding. G. S. Bouvier and R. P. Clair. 2,575,092, Nov. 13.
Machine for crocheting cord. M. M. Malis. 2,574,701, Nov. 13.
Machine for painting the interior of pipe bowls. P. Deland. 2,575,007, Nov. 13.
Machine for turning the platform covers of platform shoes. A. D. Willhauck. 2,574,680, Nov. 13.
Magnesium die-casting alloy, Producing a. R. F. Hauser. 2,575,273, Nov. 13.
Magnetic ball activator. W. Von Stoeser. 2,574,721, Nov. 13.
Magnetic compositions. H. L. Crowley. 2,575,099, Nov. 13.
Magnetic flow gauge. H. W. Fahrlander. 2,574,866, Nov. 13.
Magnetic head and mount therefor. J. L. Pettus and F. E. Pontius. 2,574,707, Nov. 13.
Magnetic valve. L. W. Atchison. 2,575,086, Nov. 13.
Magnetometer, Automatically recording torque. D. S. Miller. 2,574,795, Nov. 13.
Magnetostrictive modulator. R. Lorenzen. 2,574,647, Nov. 13.
Making foamed sponge rubber articles. A. R. Cox and F. E. Trockle. 2,575,259, Nov. 13.
Map holder. H. B. Tobias. 2,574,802, Nov. 13.
Marble game board. J. E. Jones. 2,574,569, Nov. 13.
Massage vibrator. J. Werner. 2,574,945, Nov. 13.
Massager, Therapeutic. H. R. Swanson. 2,574,601, Nov. 13.
Massaging apparatus, Scalp. K. W. and P. I. Mierzejewski. 2,575,066, Nov. 13.
Material and method of radiography. W. H. Zinn. 2,574,681, Nov. 13.
Mechanism for cuckoo clocks. W. H. Pañl and E. F. Trenkle. 2,574,704, Nov. 13.
Medical probe, Flexible. J. Piéri and J. Casalonga. 2,574,840, Nov. 13.
Melamine resins, Modified. R. H. Hunt, Jr., and T. P. Mallnowski. 2,574,741, Nov. 13.
Mercury switch. R. P. Mattern. 2,575,318, Nov. 13.
Metal mercaptides as modifiers in emulsion polymerization. W. A. Schulze and W. W. Crouch. 2,575,135, Nov. 13.
Meter yoke, Liquid. F. H. Mueller and W. J. Bowan. 2,574,982, Nov. 13.
Methylated gelatin-insulin preparation. E. T. Rosenberg, K. B. Högberg, and K. E. L. Claeson. 2,574,889, Nov. 13.
Microphone attachment for accordions. L. Sorkin. 2,575,142, Nov. 13.
Microscope, Optical adjusting. L. T. Sachtleben. 2,574,712, Nov. 13.
Microscope slide for phase microscopes. A. H. Bennett. 2,574,522, Nov. 13.
Mill: *See*—
Vertical rolling mill.
Minimizing foam production in steam generation. A. L. Jacoby and C. Jacklin. 2,575,276, Nov. 13.
Mixed esters of polyhydric alcohols and dibasic acids. P. V. Smith, Jr. 2,575,196, Nov. 13.
Mixtures comprising polyacrylonitrile and polymeric ester-lactones. H. W. Coover, Jr., and J. B. Dickey. 2,575,006, Nov. 13.
Mobilometer. L. A. Sontag. 2,574,715, Nov. 13.
Mold: *See*—
Hamburger mold.
Molten metal supplying device for pressure die-casting machines. J. de Sternberg. 2,575,162, Nov. 13.
Mooring shackle. J. E. Chisholm. 2,574,859, Nov. 13.
Motor: *See*—
Self-starting contact type electric motor.
Motor construction for valves or the like, Fluid. C. B. Ives. 2,574,574, Nov. 13.
Motor vehicle frame alignment measuring mechanism. R. D. Smith. 2,575,194, Nov. 13.
Motor with pilot pressure control, Pressure fluid follow-up. H. W. Alyea. 2,575,085, Nov. 13.
Motors for vehicles and control thereof, Multiple. E. Bobard. 2,575,256, Nov. 13.

Mounting: *See*—
Roll mounting.
Mower cutter bar mounting and adjusting means. W. J. Coultas, N. D. Colvin, and W. B. Palmer. 2,574,691, Nov. 13.
Muffler with conical baffle plates, Exhaust. G. Plasse. 2,575,233, Nov. 13.
Mullion strip. L. Gerow. 2,574,736, Nov. 13.
Multiple part set screw. D. A. Wieland. 2,574,677, Nov. 13.
Multiple selective switch. H. R. Foltzer. 2,575,052, Nov. 13.
Multistage bladed rotor. F. P. Sollinger and M. M. Holben. 2,575,237, Nov. 13.
Multistage rotary pump. M. H. Baker. 2,574,724, Nov. 13.
Mute structure for musical instruments. W. W. Rudd. 2,574,591, Nov. 13.
N-(acetylmercaptoacetyl)-N'-n-butylureas. C. F. H. Allen and J. A. Van Allan. 2,574,996, Nov. 13.
N-substituted 4,6-diamino metanilic acids. W. A. Schmidt and V. Tulagin. 2,575,027, Nov. 13.
Necktie rack. C. Kruger. 2,575,111–12, Nov. 13.
Needle crystals of magnesium carbonate, Producing. L. B. Miller. 2,574,652, Nov. 13.
Nozzle, Regulator. W. C. Buttner and S. L. Sundstrom. 2,575,312, Nov. 13.
Nozzle, Spray. M. L. Edwards. 2,574,865, Nov. 13.
O-alkyl dichlorothiophosphates, Preparation of. R. H. F. Manske and M. Kulka. 2,575,225, Nov. 13.
Oil chiller. E. A. Edmonds. 2,574,818, Nov. 13.
Oil seal for bearings. A. F. Hickman. 2,574,478, Nov. 13.
Operating system for discharge devices and vapor arc lamps. L. F. Bird. 2,575,001, Nov. 13.
Orchard spray head. A. H. Bradford. 2,574,812, Nov. 13.
Organic compounds containing phosphorus and bromine. G. E. Walter and I. Hornstein. 2,574,515, Nov. 13.
Organic compounds containing phosphorus and bromine. G. E. Walter and I. Hornstein. 2,574,518, Nov. 13.
Organic sulfenyl xanthates, sulfenyl trithiocarbonates, thiosulfenyl xanthates, and thiosulfenyl trithiocarbonates, Preparation of. C. M. Himel and L. O. Edmonds. 2,574,829, Nov. 13.
Ornamental plastic films, Producing. M. A. Chavannes and G. T. Traut. 2,575,046, Nov. 13.
Ornamental wall switch. A. E. Ogren. 2,574,933, Nov. 13.
Oscillator, Ultrahigh-frequency pulse. S. Teszner. 2,575,200, Nov. 13.
Oxidation of mercaptans. C. W. Mertz, H. W. Cutcher, and J. A. McBride. 2,574,884, Nov. 13.
Oxidation of organic compounds. W. G. Toland, Jr. 2,574,511, Nov. 13.
Oxyalkylated polymerization products of certain resins containing both hydroxyl and allyl radicals and making same. M. de Groote. 2,574,547, Nov. 13.
Packaging and package, Method and apparatus for. C. E. Slaughter. 2,575,138, Nov. 13.
Pad: *See*—
Corn pad. Shoulder pad.
Pan, Sectional baking. W. B. Putorak. 2,575,294, Nov. 13.
Pants guard and attachment for hangers. J. E. Black. 2,575,089, Nov. 13.
Paper storage and page end indicating attachment for typewriters. J. S. MacIntyre. 2,574,575, Nov. 13.
Paraffin scraper. J. D. Walker. 2,575,307, Nov. 13.
Peak reading measuring system. E. P. Ancona, Jr. 2,574,682, Nov. 13.
Peeler and shredder, Multiple fruit. L. B. Maxwell. 2,574,794, Nov. 13.
Peeling machine. B. W. Rutherford. 2,574,761, Nov. 13.
Pencil, Multicolor refillable. W. Chatelain. 2,575,096, Nov. 13.
Perambulator and auto seat, Child's. W. P. King. 2,574,743, Nov. 13.
Perchloromethyl mercaptan, Continuous process for manufacture of. E. O. Ohsol, C. S. Carlson, and B. E. Hudson, Jr. 2,575,290, Nov. 13.
Pessary. G. Stubbs. 2,574,767, Nov. 13.
Petticoat, Woman's. L. B. Cooley. 2,574,861, Nov. 13.
Pharmaceutical capsule sizing device with volumetric capacity varying means. G. A. Burkett. 2,574,727, Nov. 13.
Pharmaceutical preparations, Making. E. Kronisch. 2,575,175, Nov. 13.
Phenolic adhesive and bonding wood plies. C. C. Heritage. 2,574,784, Nov. 13.
Phonograph, Check controlled. G. F. Starnes. 2,574,598, Nov. 13.
Phonograph record storage cabinet. L. J. Purcell. 2,574,757, Nov. 13.
Phosphorus sulfochloride, Production of. H. Jonas and W. Thraum. 2,575,316–17, Nov. 13.
Photographic objective consisting of three simple elements and a cemented triplet therebehind. G. H. Aklin. 2,574,995, Nov. 13.
Photographic sensitizing dyes comprising a benzoxazole nucleus. G. H. Keyes and L. G. S. Brooker. 2,575,018, Nov. 13.
Photographic shutter with built-in flash synchronizer. F. A. G. and G. P. Pirwitz and J. H. Sutton. 2,575,121, Nov. 13.
Photographic silver halide emulsions and developers containing 5-acyloxypyrazole color formers. E. L. Martin. 2,575,182, Nov. 13.
Photometer. G. F. Laing. 2,574,571, Nov. 13.
Pickup for magnetic recorders, Vibratile. M. Rettinger. 2,574,708, Nov. 13.
Pile fabrics, Making. H. L. Shuttleworth. 2,575,029, Nov. 13.
Pin: *See*—
Sagger pin.
Pin handling mechanism for bowling pin setting machines. R. E. Rundell. 2,574,936, Nov. 13.
Pipe: *See*—
Telescoping tail pipe.
Pipe line scraper inserter and remover. R. R. Thomas. 2,575,146, Nov. 13.
Pipe wrench. J. R. Leonard. 2,574,834, Nov. 13.
Piperazine compounds. C. B. Pollard and T. H. Wicker. 2,575,122, Nov. 13.
Piston with plated piston ring grooves. D. L. Garland and R. D. Gray, Jr. 2,575,214, Nov. 13.
Plier, Stapling. R. Vogel. 2,574,988, Nov. 13.
Plumbing valve. C. P. Wagner. 2,574,851, Nov. 13.
Pneumatic rubbery article and making same. B. Y. Connell and W. E. Fisher. 2,575,249, Nov. 13.
Pneumatic switch. A. C. Kroll. 2,574,791, Nov. 13.
Polished rod insulation. W. H. Edwards. 2,574,550, Nov. 13.
Polyhydroxy anthraquinone sulfonic acids, Manufacture of. C. Bamberger and J. W. Orelup. 2,575,155, Nov. 13.
Polymerization products of certain resins containing both hydroxyl and allyl radicals, and making same. M. de Groote. 2,574,546, Nov. 13.
Polyvinyl esters, Preparation of mixed. H. Rudoff. 2,574,984, Nov. 13.
Portable clipping tool. S. G. Blumensaadt. 2,574,811, Nov. 13.
Portable equipment for inductive carrier communication systems. A. R. Doucette. 2,574,777, Nov. 13.
Pound fishing system. T. P. Duncan, Jr. 2,575,050, Nov. 13.
Power-driven friction winch. G. E. Moore. 2,574,981, Nov. 13.
Power line service restorer. J. S. Thompson and C. R. Ray. 2,574,801, Nov. 13.
Power system control. E. H. Fredrickson. 2,575,053, Nov. 13.
Power transmitting mechanism, Flexible. H. C. Pierce. 2,574,657, Nov. 13.
Powered trimmer. F. W. Banka. 2,575,038, Nov. 13.
Precipitator collecting electrode. W. E. Mack. 2,575,181, Nov. 13.
Prefabricated furnace. J. S. Wallis and J. W. Throckmorton. 2,575,202, Nov. 13.
Press: *See*—
Hydraulically operated transfer molding press.
Prevention of corrosion of steel by brine containing dissolved oxygen. G. A. Marsh. 2,574,576, Nov. 13.
Printing machine with multiple impression, Conveyer belt. F. J. Trözmüller. 2,574,941, Nov. 13.
Producing heavy curd. G. J. Strezynski. 2,574,508, Nov. 13.
Propellant having an opacifier for preventing self-ignition by radiant energy radiations. C. N. Hickman. 2,574,479, Nov. 13.
Propeller, Adjustable. M. K. Benson. 2,574,951, Nov. 13.
Protective device. T. C. Riebe. 2,574,888, Nov. 13.
Protector for handles of telephone handsets, Removable. L. B. Long. 2,575,280, Nov. 13.
Pulp screen. W. F. Mathewson. 2,574,977, Nov. 13.
Pump: *See*—
Constant pressure centrifugal pump. Multiple rotary pump.
Dual pump. Rotary pump.
Pump for diesel engines. W. Feis. 2,574,779, Nov. 13.
Purifying and packaging uranium hexachloride, Method and apparatus for. C. H. Prescott, Jr. 2,574,842, Nov. 13.
Purifying oil by distillation. C. J. Egger and R. H. Webster. 2,575,051, Nov. 13.
Rack: *See*—
Necktie rack
Rack for holding roasts. H. J. Schell. 2,575,188, Nov. 13.
Radiation detection and measuring apparatus and method. D. W. Engelkemeir and N. Sugarman. 2,574,632, Nov. 13.
Radioactive source. W. W. Schultz and E. P. Kozoriz. 2,575,134, Nov. 13.
Radio alarm transmitting, recording, and signaling system. P. E. Fischler. 2,574,696, Nov. 13.
Radiographic apparatus. P. C. Renner. 2,575,295, Nov. 13.
Radio receiver, Universal power input. J. La Via. 2,575,059, Nov. 13.
Rail connector. J. H. Mason. 2,574,648, Nov. 13.
Railway crossing bar. O. E. Manley. 2,574,926, Nov. 13.
Rake, Special purpose ear corn. E. J. Nohl. 2,574,932, Nov. 13.

Rapid film wind device. D. C. Harvey. 2,575,012, Nov. 13.
Rat trap. S. R. Giacoletto. 2,574,780, Nov. 13.
Reader for translating digital data recorded on film into electric pulses suitable for input to a computer. A. W. Tyler and R. D. O'Neal. 2,575,034, Nov. 13.
Receptacle. E. Anderson. 2,574,683, Nov. 13.
Receptacle for straddling conventional hand luggage, Multicompartment. M. E. Hiatt. 2,574,786, Nov. 13.
Recovery of carbazole. P. H. de Bruijn. 2,575,314, Nov. 13.
Recovery of polycarboxylic acid anhydrides. R. Landau. 2,574,644, Nov. 13.
Rectifier assembly. L. K. Hedding and R. H. Zetwo. 2,574,783, Nov. 13.
Recuperator tile structure. F. H. Graham and E. G. Smith. 2,574,738, Nov. 13.
Reel: *See*—
Fishing reel. Sheet metal reel.
Reel. B. R. Webster. 2,574,992, Nov. 13.
Reel spindle. H. H. Merwin. 2,575,062, Nov. 13.
Refrigerator. J. W. Chamberlain. 2,575,094, Nov. 13.
Refrigerator bag for carrying articles to be chilled, Collapsible insulated. G. A. Seipp. 2,575,191, Nov. 13.
Regenerating an iron-contaminated cracking catalyst. H. G. Corneil and J. C. Schiller. 2,575,258, Nov. 13.
Regeneration of spent alkali. D. C. Bond and N. B. Russell. 2,574,525, Nov. 13.
Register, Trip. A. B. Troupa. 2,574,513, Nov. 13.
Remote-control blind operator for motor vehicles. C. C. Coffman. 2,574,729, Nov. 13.
Remote-control system. G. W. Baughman. 2,574,774, Nov. 13.
Remote monitoring system. J. F. Atkinson and S. Lubin. 2,574,458, Nov. 13.
Removable trouser leg bottom guard. H. Snider. 2,574,669, Nov. 13.
Resilient compressible fibrous product. A. Talalay. 2,574,849, Nov. 13.
Resilient electric socket contact element. S. T. Deakin. 2,575,161, Nov. 13.
Resilient shoe flap connecting and fastening means. J. W. McHarry. 2,575,226, Nov. 13.
Resinous compositions, Preparing. R. J. Signer. 2,574,893, Nov. 13.
Retainer and spacer for roller bearings. J. J. Rozner. 2,575,072, Nov. 13.
Reverse current responsive device. P. J. Reifschneider. 2,575,127, Nov. 13.
Reverting call circuit. J. D. Confeld. 2,574,532, Nov. 13.
Rodenticide comprising 4-aminopteroyl-glutamic acid. A. L. Franklin. 2,575,168, Nov. 13.
Roll machine. A. T. Deutsch. 2,574,548, Nov. 13.
Roll mounting. B. Bannister. 2,574,773, Nov. 13.
Rotary table. A. H. Bell. 2,574,614, Nov. 13.
Rotary table. V. L. Du Bois. 2,574,914, Nov. 13.
Rotary turbine type hydraulic coupling. D. S. Nowak. 2,574,492, Nov. 13.
Rotary pump. J. P. Johnson. 2,574,921, Nov. 13.
Rotary pump. C. M. Zoll. 2,575,154, Nov. 13.
Rotation regulating device. R. Schwayder. 2,575,028, Nov. 13.
Round cornered box. C. Bangert, Jr. 2,574,998, Nov. 13.
Rubber articles, Manufacture of. R. O. Teston. 2,574,719, Nov. 13.
Rule, Slide. J. N. Nielsen. 2,575,288, Nov. 13.
Rust-inhibiting compositions. J. W. Bishop. 2,574,954, Nov. 13.
Rust-inhibiting compositions. J. W. Bishop. 2,574,956, Nov. 13.
Safety lock. D. Yachzel. 2,575,309, Nov. 13.
Sagger pin. A. W. Liversage. 2,574,878, Nov. 13.
Sand drying apparatus. A. M. Cowburn. 2,574,911, Nov. 13.
Sanding device. W. Naken. 2,575,117, Nov. 13.
Sash lock. A. P. Couture. 2,574,961, Nov. 13.
Saw blade holder. S. Rogers. 2,575,296, Nov. 13.
Saw sharpener. C. Ruscitti and J. M. Barnes. 2,574,499, Nov. 13.
Sawing and trimming machine, Printer's. J. Adrian. 2,574,901, Nov. 13.
Sawmill, Portable. G. A. Johnson. 2,574,974, Nov. 13.
Scanning circuit. E. L. C. White. 2,574,946, Nov. 13.
Scarfing machine. J. M. Tyrner. 2,575,080, Nov. 13.
Screen: *See*—
Pulp screen. Window screen.
Screen Window structure. A. B. Fuhr. 2,575,266, Nov. 13.
Screening apparatus. G. H. Strain. 2,575,143, Nov. 13.
Sealing assembly. L. G. Saywell. 2,575,132, Nov. 13.
Seat: *See*—
Toilet seat.
Seat structure with removable back. K. K. Horner and L. W. Hiltman. 2,575,221, Nov. 13.
Sectional vertical acting door. H. C. Blodgett. 2,575,255, Nov. 13.
Segmental coating shoe for pipe and the like. L. Perrault. 2,574,706, Nov. 13.
Selector mechanism, Automatic. E. J. Uhlig. 2,574,603, Nov. 13.
Selector mechanism for radio apparatus, Automatic. W. D. La Rue. 2,574,604, Nov. 13.
Self-starting contact type electric motor. L. T. Askren. 2,574,997, Nov. 13.
Separating ketones from close-boiling mixtures. C. S. Carlson and P. V. Smith, Jr. 2,575,244, Nov. 13.
Separation of saturated from unsaturated aldehydes. G. J. Pierotti, A. E. Handlos, and C. M. Reider. 2,574,935, Nov. 13.
Setting and binding material and its manufacture. H. Weber. 2,574,507, Nov. 13.
Sewage treatment system. R. R. Baxter and M. A. Milling. 2,574,685, Nov. 13.
Sewing-machine attachment. H. H. Russell. 2,574,661, Nov. 13.
Shackle padlock, Flexible. L. E. E. Gossner. 2,574,967, Nov. 13.
Shaving device, Motor operated. J. A. C. Galvao. 2,574,472, Nov. 13.
Sheet gripper for cylinder presses. J. J. Isella. 2,575,172, Nov. 13.
Sheet metal reel. F. R. Schaefer. 2,574,845, Nov. 13.
Sheet polishing apparatus and process. R. P. Piperoux, W. P. Moeller, and D. B. Hertz. 2,574,588, Nov. 13.
Shield for eyeglasses, Dust. M. Goldschmidt and A. Sommer. 2,574,639, Nov. 13.
Shield for tube sockets. H. P. Mensch. 2,574,978, Nov. 13.
Shingle shake forming machine, Automatic. L. B. Dennison. 2,574,912, Nov. 13.
Shoulder pad. E. D. Gerry. 2,574,637, Nov. 13.
Side ditch scraper for ditching machines. E. R. Seward. 2,574,799, Nov. 13.
Side rail connection for bedsteads. C. Harris. 2,575,271, Nov. 13.
Sighting device for bows and arrows. F. C. Stieber. 2,574,599, Nov. 13.
Signal receiving device, Selective. H. A. Stickel. 2,575,198, Nov. 13.
Single-lever water control. R. Stryzakoski and J. Cartabellatto. 2,575,305, Nov. 13.
6-alkoxy-2-dialkoxymethyl tetrahydropyrans. R. H. Hall and H. M. Stanley. 2,574,919, Nov. 13.
Smoke agent. J. P. Clay and H. B. Elkins. 2,574,466, Nov. 13.
Snap fastener carding machine. M. Kiessling. 2,575,019, Nov. 13.
Snowplow. O. H. Borgeson. 2,575,091, Nov. 13.
Soil stabilization. A. Holmes. 2,575,170, Nov. 13.
Solenoid valve. P. Schell. 2,574,762, Nov. 13.
Spectacle lens mount. H. H. Pelzer. 2,574,839, Nov. 13.
Spectacles with adjustable multifocal lenses. R. F. E. Stegeman. 2,574,766, Nov. 13.
Speed decelerating indicator for motor vehicles. T. G. Brown. 2,574,616, Nov. 13.
Spool holder. H. J. Duke. 2,574,862, Nov. 13.
Spool with removable head. J. Salkin. 2,575,131, Nov. 13.
Spout for liquid containers with opening and closure, said spout adapted to be sealed around the closed opening, Pouring. A. J. Batzler. 2,575,040, Nov. 13.
Spray device. C. E. McNutt. 2,574,747, Nov. 13.
Spray-dried dyestuff powders comprising lignin sulfonate. V. S. Salvin and W. J. Hart. 2,574,597, Nov. 13.
Spray drying equipment and method. D. D. Peebles and R. E. Meade. 2,575,119, Nov. 13.
Spring biased sealing device for supporting a luminaire bowl on the reflector. E. H. Yonkers and J. H. Fahey. 2,575,310, Nov. 13.
Spring threaded bolt fastening device. J. K. Barry, Jr. and W. C. Hale, Jr. 2,575,311, Nov. 13.
Sprinkler, Calibrated two-arm. C. H. Koeppel. 2,574,874, Nov. 13.
Squeak inhibiting seal construction for fluid power transmitting devices. R. W. Wolfe. 2,574,808, Nov. 13.
Stabilization of vinyl resin compositions. T. H. Shelley. 2,574,987, Nov. 13.
Stalk cutter. M. G. Denton. 2,574,468, Nov. 13.
Stand: *See*—
Knockdown stand. Switch stand.
Stapling machine. A. Goldenberg. 2,574,697, Nov. 13.
Station indicator. B. B. Kirby. 2,575,174, Nov. 13.
Steam applicator. R. J. Williams and A. C. Finalborgo. 2,574,900, Nov. 13.
Steam generation and compositions for inhibiting foaming. J. W. Ryznar. 2,575,298, Nov. 13.
Stocking and the like, Elastic. F. V. Goodchild. 2,574,737, Nov. 13.
Stocking, Surgical. C. Jobst. 2,574,873, Nov. 13.
Stop for power tools, Adjustable. C. H. Miller. 2,574,653, Nov. 13.
Stretcher, Shoe. H. Strom. 2,574,940, Nov. 13.
Structural support for roofs and floors. E. C. Shuman. 2,574,667, Nov. 13.
Sunglass frames. T. P. Tanis. 2,574,896, Nov. 13.
Sunglasses, Clip-on. W. A. Mendelsohn. 2,574,749, Nov. 13.
Supplying yarn. E. J. Abbott. 2,574,455, Nov. 13.
Support: *See*—
Drill support.
Support for chairs or the like, Resilient cushioning. M. Heller. 2,574,871, Nov. 13.
Support for mine timbering machines, Yieldably mounted tiltable. C. F. Ball. 2,574,857, Nov. 13.
Supporting and driving structure for rotary tilling tines and the like. A. R. Madill. 2,575,223, Nov. 13.

Supporting and guiding horizontally sliding doors. S. M. Pomeroy and I. R. Disbro. 2,574,496, Nov. 13.
Supporting structure for kitchen appliances. T. Thomas. 2,574,769, Nov. 13.
Supporting system for bicycle engines. A. Garelli. 2,574,824, Nov. 13.
Surfaces having low-adhesion to ice. R. Smith-Johannsen. 2,575,141, Nov. 13.
Surgical reel device. G. E. Caraway. 2,574,728, Nov. 13.
Sustaining rotor blade. D. N. Meyers. 2,574,651, Nov. 13.
Swimming pool. J. T. Sparling. 2,575,303, Nov. 13.
Switch: *See*—
Clock operated switch.
Electric switch.
Mercury switch.
Multiple selective switch.
Ornamental wall switch.
Pneumatic switch.
Transmission control switch.
Switch. J. D. F. Green. 2,574,869, Nov. 13.
Switch for portable appliances, Safety. D. C. Gerber. 2,574,965, Nov. 13.
Switch for use with a perforated tape. M. Camras. 2,574,688, Nov. 13.
Switch stand. A. F. Andersen. 2,575,037, Nov. 13.
Switching apparatus for electrical apparatus. L. T. Akeley. 2,575,084, Nov. 13.
Swivel. K. W. Sköld. 2,574,800, Nov. 13.
Swivel hose couplings, Making high-pressure. G. R. Coss. 2,574,625, Nov. 13.
Syringe. J. Eisenstark. 2,574,964, Nov. 13.
Syringe, Injection. F. Lopolito. 2,575,281, Nov. 13.
System for thyratron control. B. A. Knauth and P. H. Chin. 2,574,976, Nov. 13.
T-square securing means. H. A. Chapin. 2,574,463, Nov. 13.
Table: *See*—
Rotary table.
Table leg pivot and latch mechanism. E. A. Schaffer. 2,574,592, Nov. 13.
Table with folding legs, Vertically adjustable. H. G. Larson. 2,574,924, Nov. 13.
Tachometer, Electronic. L. E. Ellison and R. R. Proctor. 2,574,551, Nov. 13.
Tackless shoemaking. V. L. Kneeland. 2,574,485, Nov. 13.
Tall oil, Production of refined. H. Hasselstrom and M. Stoll. 2,575,013, Nov. 13.
Tank cleaning device, Float supported. G. M. Carr. 2,574,958, Nov. 13.
Tank with content indicator, Balancing. A. N. Kerr. 2,575,110, Nov. 13.
Tape, Adhesive laminated paper and box stay. J. E. Boulware. 2,575,257, Nov. 13.
Tape antenna system. C. N. Ehrlich. 2,574,733, Nov. 13.
Tape measure, Automatic. V. L. Snyder. 2,575,077, Nov. 13.
Tapered rotor for unit bearing motors. L. W. Wightman. 2,575,153, Nov. 13.
Telegraph system, Printing. R. G. Griffith. 2,575,268, Nov. 13.
Telephone system having connections to one and two digit trunks, All relay private automatic. J. H. Voss. 2,574,943, Nov. 13.
Telescoping tail pipe. J. H. and R. H. Hart. 2,575,105, Nov. 13.
Temperature control system for heating apparatus. C. K. Strobel. 2,575,078, Nov. 13.
Terrazzo strip. H. L. Fink. 2,574,553, Nov. 13.
Thermostat mounting assembly for hot-water heaters and the like. W. C. Wellman. 2,575,150, Nov. 13.
Thermostats, Anticipating. A. B. Cosgrave. 2,575,005, Nov. 13.
Thiophosphates. R. H. F. Manske, R. W. Beattie, and M. Kulka. 2,575,224, Nov. 13.
Thread counting device. E. Swindells. 2,575,144, Nov. 13.
Thread cutter for bobbin winders. W. E. Hendricks. 2,575,015, Nov. 13.
Tie-member for the coil windings of dynamoelectric machines. E. A. Linke. 2,575,115, Nov. 13.
Timer. M. H. Rhodes. 2,574,497, Nov. 13.
Timing apparatus. W. Palmer. 2,574,494, Nov. 13.
Timing apparatus. W. M. Powell and A. W. Hughes. 2,574,841, Nov. 13.
Timing device, Electronic. P. J. Cade. 2,574,618, Nov. 13.
Timing mechanism, Toaster. H. B. White. 2,574,993, Nov. 13.
Tire-wheel or tire-rim carrier for pickup trucks. K. C. Clark. 2,574,465, Nov. 13.
Toggle actuated plier-type wrench. G. J. Waterbury. 2,574,676, Nov. 13.
Toilet seat. A. Calderon. 2,575,208, Nov. 13.
Tongue and box buckle, Combination. W. Ewanyk. 2,574,695, Nov. 13.
Tongue cleaner. L. N. Moore. 2,574,654, Nov. 13.
Tool: *See*—
Double hooked lid lifting tool.
Portable clipping tool.
Tool for applying threadless fasteners. G. A. Tinnerman and J. F. Rafferty. 2,575,320, Nov. 13.
Tool for making powder holes, Impact. H. H. Van Pelt. 2,574,605, Nov. 13.
Tool-supporting device. E. C. Oliver. 2,574,586, Nov. 13.
Toothbrush and massaging device, Combined. E. R. Kenna. 2,574,789, Nov. 13.
Tote box and rack therefor. R. K. Davidson and W. Bacon. 2,574,692, Nov. 13.
Tow-bar brake actuator. D. Mettetal, Jr. 2,575,183, Nov. 13.
Towel unwinding and folding machine. P. W. Jespersen. 2,574,642, Nov. 13.
Toy machine gun. S. I. Berger. 2,574,952, Nov. 13.
Toy searchlight. J. L. Bonanno. 2,574,905, Nov. 13.
Trailer hitch. J. R. Hulse. 2,575,171, Nov. 13.
Transfer transmission mechanism. C. E. Schou. 2,574,986, Nov. 13.
Transformer. J. H. Bridges. 2,575,093, Nov. 13.
Translator for shifted lines and parties. J. I. Bellamy. 2,574,903, Nov. 13.
Transmission control switch. I. M. Holmes. 2,574,787, Nov. 13.
Transmitter, Hydraulic. R. Stevenson. 2,575,319, Nov. 13.
Transmitter, Subscription type television. J. E. Brown. 2,574,462, Nov. 13.
Trap: *See*—
Ion trap.
Rat trap.
Tray, Freezing. F. W. Sampson. 2,574,662, Nov. 13.
Tray, Ice. F. W. Sampson. 2,574,663, Nov. 13.
Tray, Molding. F. W. Fuller. 2,574,915, Nov. 13.
Treatment of caustic soda cell liquor. V. A. Stenger. 2,575,238, Nov. 13.
Treatment of stockings and other knitted articles. L. Heldmaier. 2,574,970, Nov. 13.
Trimming cans or the like. M. Halowich. 2,575,104, Nov. 13.
Truck, Barrel. W. L. Guild. 2,574,825, Nov. 13.
Truck floor, Convertible. R. K. Jack. 2,574,483, Nov. 13.
Truck, Railway. W. Van Der Sluys. 2,574,804, Nov. 13.
Truck, Refrigerated milk delivery. C. Nielsen. 2,574,585, Nov. 13.
True airspeed indicator. J. B. Peterson. 2,574,656, Nov. 13.
Tube: *See*—
Image converter tube.
Tube carrier retriever, Pneumatic. J. P. Van Horn. 2,574,673, Nov. 13.
Tube circuit arrangement, Electron discharge. E. Green. 2,574,868, Nov. 13.
Tube dispensing device having rockable tube-engaging members, Collapsible. C. F. and V. A. Nelson. 2,574,797, Nov. 13.
Tuning device for use at ultrahigh frequencies, Wide-range. C. A. Stutt. 2,575,199, Nov. 13.
Twisting mechanism. O. Bochmann, O. Schröder, and W. Lenk. 2,574,957, Nov. 13.
2,2-diphenyl-3-methyl-4-dimethylamino butyronitrile, Preparing. M. Sletzinger and M. Tishler. 2,574,505, Nov. 13.
2-2-diphenyl-3-methyl - 4 - methylformamido - butyronitrile. M. Sletzinger and M. Tishler. 2,574,506, Nov. 13.
Ultrasonic distance-measuring system. F. H. Slaymaker. 2,574,596, Nov. 13.
Uniform cap. H. Lev. 2,575,114, Nov. 13.
Universal mounting antenna clamp. M. J. Blaugrund. 2,575,254, Nov. 13.
Uranium-cobalt alloy. A. H. Daane and W. K. Noyce. 2,574,626–7, Nov. 13.
Utensil, Kitchen. H. G. Woodburn. 2,574,679, Nov. 13.
Utilizing aqueous-organic chemical wastes from the Fischer-Tropsch process. R. G. Dressler and J. R. Bircher. 2,574,469, Nov. 13.
Vacuums, Production of. I. Feuer. 2,574,820, Nov. 13.
Vaginal speculum. J. F. Bicek. 2,575,253, Nov. 13.
Valve: *See*—
Air pilot valve.
Beverage dispensing valve.
Duplex thermostatic valve.
Fluid pump pressure limiting valve.
Hydraulic valve.
Liquid filler valve.
Magnetic valve.
Plumbing valve.
Solenoid valve.
Valve construction. R. A. Thompson. 2,575,240, Nov. 13.
Valve for high-flow rates at low-pressure drop, Rapid closure. D. E. Harris. 2,575,272, Nov. 13.
Valve for water softeners, Directional control. B. Agnew. 2,574,809, Nov. 13.
Valve mechanism, Pilot operated. C. D. Branson. 2,575,042, Nov. 13.
Valve with constant flow mechanism, Mixing. C. D. Branson. 2,575,043, Nov. 13.
Valved dispensing head with auxiliary nozzle valve. J. M. Curto. 2,574,534, Nov. 13.
Valveless intermittent ram-jet engine. H. R. Bohanon. 2,574,460, Nov. 13.
Variable-speed transmission. A. Castagna. 2,574,530, Nov. 13.
Vegetable gatherer. L. D. Rounds and N. A. White. 2,575,235, Nov. 13.
Vehicle: *See*—
Guided toy vehicle.
Vending machine. J. Schrager. 2,575,300, Nov. 13.
Vending machine, Package. J. H. Rubenstein. 2,575,129, Nov. 13.
Venetian blind. A. L. Appelbaum. 2,574,609, Nov. 13.
Venetian blind. H. E. Condron, Jr. 2,575,004, Nov. 13.

Ventilator for beehives, Temperature responsive. M. I. Taylor. 2,574,768, Nov. 13.
Vertical axis beading. K. Stuart. 2,574,509, Nov. 13.
Vertical axis dispersion mill with drive motor supported from conical grinding head. W. Messinger. 2,574,979, Nov. 13.
Vertical rolling mill. J. M. O'Malley. 2,575,231, Nov. 13.
Vibration dampener. E. W. Libby. 2,574,573, Nov. 13.
View finder for photographic cameras, Collapsible. O. Steiner. 2,575,197, Nov. 13.
Viscosimeter. D. A. Hughes. 2,574,973, Nov. 13.
Vise for straightening fenders. D. H. Ragin. 2,574,589, Nov. 13.
Voltmeter with a logarithmic scale, Amplifying. J. Selz and A. de Leudeville. 2,575,073, Nov. 13.
Wallet device with money holding clip. S. J. Smallman. 2,575,030, Nov. 13.
War game apparatus. C. W. Hall. 2,575,269, Nov. 13.
Wash rag structure constructed to contain soap. F. West. 2,574,854, Nov. 13.
Washing and drying machine. C. O. Rasmussen. 2,574,798, Nov. 13.
Washing machine. J. Barnes. 2,575,039, Nov. 13.
Washing machine. G. D. Bryant. 2,574,617, Nov. 13.
Water treating composition. J. W. Lefforge. 2,575,176–9, Nov. 13.
Wave guide. P. B. King, Jr. 2,574,790, Nov. 13.
Wax paper sealer. Z. W. Gunn. 2,574,826, Nov. 13.
Waxer having liquid dispenser with valve operable from upper end of handle, Handle-mounted floor. C. R. Pollitt. 2,575,124, Nov. 13.
Wearing apparel conveyer. B. Handler. 2,574,827, Nov. 13.
Weighing and packaging machinne. S. M. Kobey. 2,574,486, Nov. 13.
Welder control system. H. I. Stanback and E. G. Anger. 2,574,939, Nov. 13.
Welding bodies. O. M. Arnold. 2,575,251, Nov. 13.
Welt indenting machine. C. W. Baker. 2,574,611, Nov. 13.
Wheel checking device, Railway. M. W. Gieskieng. 2,574,474, Nov. 13.
Wheel cover. G. A. Lyon. 2,574,491, Nov. 13.
Wheel truing device. R. F. Moore. 2,575,228, Nov. 13.
Wheel unit, Differential. E. C. Merry. 2,575,065, Nov. 13.
Wheel unit for trailers or the like, Differential. E. C. Merry. 2,575,064, Nov. 13.
Winding crank for cameras. A. W. Christ. 2,574,689, Nov. 13.
Window construction. O. L. Herron. 2,574,641, Nov. 13.
Window screen. L. Renzetti. 2,575,128, Nov. 13.
Window structure. A. J. Kiefer. 2,574,742, Nov. 13.
Windshield wiper mechanism. E. E. Sivacek. 2,574,504, Nov. 13.
Woodworking tool fence supporting structure. W. Copp. 2,575,250, Nov. 13.
Work blasting equipment. W. I. Gladfelter. 2,574,867, Nov. 13.
Work carrier for conveyers. T. J. Kearney. 2,575,278, Nov. 13.
Wrapper and producing same, Antifungus. G. C. Borden, Jr. 2,574,526, Nov. 13.
Wrapper, Mechanical coin. E. H. Roberts. 2,574,660, Nov. 13.
Wrench: *See*—
Pipe wrench.
Toggle actuated plier-type wrench.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 13, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

1— 3: 2,574,697
47: 2,575,079
49: 2,574,988
51: 2,574,875
2— 13: 2,574,749
14: 2,574,639
2,574,896
42: 2,574,962
84: 2,574,716
195: 2,575,114
207: 2,574,558
224: 2,574,861
232: 2,574,669
268: 2,574,637
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296: 2,575,271
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338: 2,574,590
6— 1: 2,574,768
4: 2,575,102
8— 18: 2,575,026
39: 2,574,597
63: 2,574,806
12— 1: 2,574,680
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Condition of Applications Under Examination at Close of Business October 26, 1951

Total number of patent applications awaiting action, 106,575. Date of oldest new application, December 1, 1950; date of oldest amended application, December 6, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	12-1-50	12-8-50	2288
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	3-17-51	2-14-51	1182
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-2-51	3-3-51	1574
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	1-6-51	1-4-51	2000
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	3-17-51	3-16-51	982
6. SURLE, H., Carbon Chemistry (part)	2-1-51	2-3-51	1883
7. GONSALVES, J. E., Optics; Photography (part)	2-14-51	2-12-51	1298
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-20-51	1-15-51	1855
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	1-16-51	1-16-51	1556
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-6-51	1-12-51	1211
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	1-30-51	1-24-51	992
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-2-51	2-1-51	1083
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	1-23-51	1-17-51	1217
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	1-10-51	1-10-51	1621
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-27-51	3-12-51	1279
16. LOVEWELL, N. N., Television, Telephony	1-5-51	12-28-50	1305
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	12-27-50	12-28-50	1643
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-8-51	1-8-51	1511
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-26-50	12-22-50	1178
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	1-4-51	1-2-51	1481
21. MADER, R. C., Textiles	12-19-50	12-18-50	1511
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	1-3-51	1-4-51	1215
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-28-50	12-30-50	840
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-2-51	3-1-51	1680
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-2-51	1-18-51	1438
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	12-28-50	1-5-51	1191
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	12-6-50	12-6-50	2209
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	1-15-51	1-3-51	1564
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-5-51	1-5-51	1582
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	2-27-51	2-26-51	1560
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-15-51	2-12-51	1972
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	1-11-51	1-8-51	1317
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	2-7-51	1-17-51	2211
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	1-18-51	1-16-51	1267
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	12-20-50	12-19-50	1656
36. McFADYEN, A. D., Measuring and Testing	12-15-50	12-12-50	1341
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	2-16-51	2-15-51	1265
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	2-12-51	1-30-51	1365
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	2-19-51	2-9-51	2049
40. DRUMMOND, E. J., Receptacles (part); Packages	1-2-51	1-4-51	2639
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-29-50	12-28-50	1217

*Commissioner's Examiners' Division.

Condition of Applications Under Examination at Close of Business October 26, 1951

Total number of patent applications awaiting action, 106,575. Date of oldest new application, December 1, 1950; date of oldest amended application, December 6, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	12-1-50	12-8-50	2288
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	3-17-51	2-14-51	1182
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-2-51	3-3-51	1574
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	1-6-51	1-4-51	2000
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	3-17-51	3-16-51	982
6. SURLE, H., Carbon Chemistry (part)	2-1-51	2-3-51	1883
7. GONSALVES, J. E., Optics; Photography (part)	2-14-51	2-12-51	1298
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-20-51	1-15-51	1855
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	1-16-51	1-16-51	1556
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-6-51	1-12-51	1211
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	1-30-51	1-24-51	992
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-2-51	2-1-51	1083
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	1-23-51	1-17-51	1217
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	1-10-51	1-10-51	1621
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-27-51	3-12-51	1279
16. LOVEWELL, N. N., Television, Telephony	1-5-51	12-28-50	1305
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	12-27-50	12-28-50	1643
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-8-51	1-8-51	1511
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-26-50	12-22-50	1178
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	1-4-51	1-2-51	1481
21. MADER, R. C., Textiles	12-19-50	12-18-50	1511
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	1-3-51	1-4-51	1245
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-28-50	12-30-50	840
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-2-51	3-1-51	1680
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-2-51	1-18-51	1438
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	12-28-50	1-5-51	1191
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	12-6-50	12-6-50	2209
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	1-15-51	1-3-51	1564
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-5-51	1-5-51	1582
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	2-27-51	2-26-51	1560
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-15-51	2-12-51	1972
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	1-11-51	1-8-51	1317
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	2-7-51	1-17-51	2211
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	1-18-51	1-16-51	1267
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	12-20-50	12-19-50	1656
36. McFADYEN, A. D., Measuring and Testing	12-15-50	12-12-50	1341
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	2-16-51	2-15-51	1265
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	2-12-51	1-30-51	1365
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	2-19-51	2-9-51	2049
40. DRUMMOND, E. J., Receptacles (part); Packages	1-2-51	1-4-51	2639
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-29-50	12-28-50	1247

*Commissioner's Examiners' Division.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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NOTICES

Extension of Patents Granted

Patent No. 1,724,785. WATER VAPOR ATTACHMENTS FOR GAS ENGINES. Granted Aug. 13, 1929. Raymond G. Thomas. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 147 days, from the expiration of the original term thereof.

Patent No. 2,265,613. Automatic Variable Delivery Fuel Pump. Granted Dec. 9, 1941. Arthur J. Richards. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 210 days, from the expiration of the original term thereof.

Patent No. 2,298,320. MOPS. Granted Oct. 13, 1942. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 283 days, from the expiration of the original term thereof.

Patent No. 2,313,787. CLEANING DEVICE AND METHOD OF MAKING SAME. Granted Mar. 16, 1943. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 4 years and 341 days, from the expiration of the original term thereof.

Patent No. 2,358,673. MOPS. Granted Sept. 19, 1944. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 1 year and 331 days, from the expiration of the original term thereof.

International Convention for the Protection of Industrial Property

Adherence of Canada to the London 1934 Revision

The Secretary of State has been notified by the Legation of Switzerland of the adherence, effective July 30, 1951, of Canada to the International Convention for the Protection of Industrial Property as last revised at London on June 2, 1934.

THOMAS F. MURPHY,
Acting Commissioner of Patents.

Oct. 22, 1951.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,428,612, J. P. Blewett, Magnetron, decided Aug. 10, 1951, claim 6.

Pat. 2,458,532, K. Schlesinger, Cathode-ray tube circuit, decided Oct. 5, 1951, claims 4, 6, 7, 9, and 10.

Pat. 2,490,087, W. E. Pakala, Vapor-electric device, decided Oct. 11, 1951, claim 5.

Pat. 2,509,444, W. F. Mitchell, Fluid coupling, decided Oct. 8, 1951, claims 17 and 18.

Pat. 2,513,315, J. E. Hawkins, Radio position determining system, decided Oct. 9, 1951, claims 1, 2, 3, 4, and 5.

Adjudicated Patent

(C. A. Pa.) Berry Patent No. 1,906,361, for a cash register. Claim 4 *Held* invalid. *Berry* v. *Kemline Metal Products Co.*, 191 F.2d 258; 90 USPQ 319.

Disclaimers

2,239,564.—*Joseph L. Lyons, Jr.*, Chicago, Ill. FOLDING BOTTLE CARRYING CARTON. Patent dated Apr. 22, 1941. Disclaimer filed Oct. 12, 1951, by the assignee, *Empire Box Corporation.*

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,296,937.—*Joseph L. Lyons, Jr.*, Chicago, Ill. COLLAPSIBLE CARRIER AND DISPLAY CARTON FOR BOTTLES. Patent dated Sept. 29, 1942. Disclaimer filed Oct. 12, 1951, by the assignee, *Empire Box Corporation.*

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,339,278.—*Joseph L. Lyons, Jr.*, Chicago, Ill. BOTTLE CARRIER. Patent dated Jan. 18, 1944. Disclaimer filed Oct. 12, 1951, by the assignee, *Empire Box Corporation.*

Hereby enters this disclaimer to claims 1 to 5, inclusive, of said patent.

2,393,114.—*Joseph L. Lyons, Jr.*, Chicago, Ill. BOTTLE CARRIER. Patent dated Jan. 15, 1946. Disclaimer filed Oct. 12, 1951, by the assignee, *Empire Box Corporation.*

Hereby enters this disclaimer to claims 1 to 11, inclusive, of said patent.

2,513,315.—*James E. Hawkins*, Tulsa, Okla. RADIO POSITION DETERMINING SYSTEM. Patent dated July 4, 1950. Disclaimer filed Oct. 16, 1951, by the inventor, the assignee, *Seismograph Service Corporation*, assenting.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, and 14 of said patent.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

178, Telegraphy

in subclass 2, under "Search Class", cancel the reference to Class 250, and add:

250—RADIANT ENERGY, subclass 5, for earth transmission telegraphy, and subclass 8, for radio telegraphy.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 177, for radiant energy duplex communication systems with means to selectively communicate with different stations, and subclass 226, for radiant energy systems for transmitting both telegraph signals and a control signal to control a non-signaling apparatus.

in subclass 4.1, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 177, for radiant energy duplex systems which include means for controlling a remote station, and subclass 225+, for miscellaneous radiant energy systems for transmitting a signal other than or in addition to the message for controlling a remote station.

in subclass 5, add:

(0.5) Note.—This and the indented subclass include facsimile systems where the signals are transmitted by radiant energy (e. g., radio facsimile systems).

and under "Search Class", in the reference to Class 250, change "(See (1) Note above)" to (*See (0.5) Note and (1) Note above*).

in subclass 5.1, under "Search Class", add:

250—RADIANT ENERGY, subclass 6, for privacy ensuring radio telephone systems.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for privacy insuring radiant energy systems wherein the masking or coding signal may be another separate message.

in subclass 5.2, under "Search Class", insert:

179—TELEPHONY, subclass 15, for multiplex telephone systems having means for frequency band compression.

in subclass 5.4, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 205+, for multiplex radiant energy receivers and receiving systems, and subclass 207+, for multiplex radiant energy transmitters and transmitting systems.

in subclass 5.6, in "(1) Note", cancel the reference to Class 250, and substitute:

and Class 250, RADIANT ENERGY, subclass 33.69, for antenna and antenna systems with coupling networks for a plurality of transmitters and/or receivers, and Class 343, COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for multiplex, radiant energy, communication systems.

and under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, (see (1) Note).

in subclass 5.8, add:

Search Class—
250—RADIANT ENERGY, subclass 33.69, for antenna and antenna systems with coupling networks for a plurality of transmitters and/or receivers.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 205+, for multiplex radiant energy receivers and receiving systems, and subclass 207+, for multiplex radiant energy transmitters and transmitting systems.

in subclass 6, under "Search Class", in the reference to Class 250, cancel "for radio telegraphy . . . of general application", and substitute:

subclass 7, for light ray communication systems, subclass 15, for radio relay systems

and add in numerical order:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for radiant energy multiplex communication systems.

in subclass 7.1, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 175+, for radiant energy duplex communication systems.

in subclass 22, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 201, for privacy insuring radiant energy telegraph systems wherein the masking or coding signal may be another separate message.

in subclass 43.5, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 203, for multiplex radiant energy pulse modulation systems, transmitters or receivers.

in subclass 44, under "Search Class", add:

250—RADIANT ENERGY, subclass 33.69, for antennae and antenna systems with passive coupling elements or networks for a plurality of transmitters and/or receivers.

in subclass 49, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 226, for miscellaneous radiant energy systems for transmitting both telegraph signals and a control signal to control a non-signaling apparatus.

in subclass 50, under "Search Class", cancel the reference to Class 250, and add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for radiant energy multiplex communication systems.

in subclass 51, under "Search Class", cancel the reference to Classes 250, Radiant Energy, and 343, Communications, Radiant Energy, and substitute:

250—RADIANT ENERGY, subclasses 6 and 8, for resonance tuning in wireless telephone and telegraph systems, subclass 20, for radio receivers with tuning means, and subclass 40, for tuning means per se.
343—COMMUNICATIONS, RADIANT ENERGY, 200+, for radiant energy multiplex communication systems.

in subclass 52, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 204, for radiant energy time division multiplex communication systems.

in subclass 54, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 176, for radiant energy duplex-multiplex communication systems.

in subclass 55, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 176, for radiant energy duplex-multiplex communication systems.

in subclass 56, under "Search Class", add:

250—RADIANT ENERGY, subclass 15, for radiant energy repeaters and systems with a repeater station.

in subclass 58, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 175+, for radiant energy, duplex-communication systems.

in subclass 61, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 201, for radiant energy multiplex communication systems.

in subclass 69.5, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, appropriate subclasses for radiant energy systems which are provided with synchronizing means for different stations.

in subclass 69.6, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 177, for duplex radiant energy communication systems provided with calling means.

in subclass 88, under "Search Class", cancel the reference to Classes 250 and 343, and substitute:

250—RADIANT ENERGY, subclass 8, for radio telegraph receivers, subclass 20+, for radio telephone receivers.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 205+, for multiplex, radiant energy communication receivers.

179, Telephony

in subclass 1.5, cancel "(1) Note", and substitute:

(1) Note.—This subclass includes inventions disclosing and claiming secret carrier telephony and capable of use in either wired or wireless systems unless they are limited by the claims to radiant energy transmission in which case see Class 250, RADIANT ENERGY, appropriate subclasses, and Class 343, COMMUNICATIONS, RADIANT ENERGY, subclass 200+ and appended notes, particularly (7) Note under subclass 200 of Class 343.

Classification Order No. 112

September 27, 1951

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS

In *Class 250, Radiant Energy* (Division 51)

Teledynamic
Radiotelegraphy
9 Multiplex

ESTABLISH SUBCLASSES

In *Class 250, Radiant Energy* (Division 51)
(S. W. CAPELLI and T. C. WOOD, *Classifiers*)

Antennae
33.69 With coupling means for plural signal translators (to follow subclass 33.67)

In *Class 343, Communications, Radiant Energy* (Division 51)
(S. W. CAPELLI and T. C. WOOD, *Classifiers*)

175 **Transmission and reception at a station** (e. g., duplex) (to follow subclass 124)
176 Plural transmission and/or reception at a station (e. g., duplex, multiplex)
177 Stand-by station, or with supervisory signal (e. g., call, busy)
178 Time division (e. g., alternate transmission and reception)
179 With synchronizing signal or frequency control
180 Transmitter-receiver interaction control (e. g., anti-side-tone)
181 Same electronic tube in transmitter and receiver circuit
200 **Plural different messages or carriers**
201 Telegraphy
202 With non-telegraphy
203 Pulse modulation type
204 Time division
205 Receivers
206 With same heterodyne or radio frequency stage
207 Transmitters
208 Plural separate antenna or transmitters
225 **Control signal utilized for control purposes**
226 With message transmission
227 Controlling remote radio transmitter
228 Controlling remote radio receiver

CLASSES ARRANGED IN NUMERICAL ORDER

In *Class 250, Radiant Energy*, change "Subs. 33 to 33.67" to *Subs. 33 to 33.69*.

CLASSES ARRANGED IN ALPHABETICAL ORDER

In *Class 250, Radiant Energy*, change "Subs. 33 to 33.67" to *Subs. 33 to 33.69*.

CLASSES ARRANGED BY DIVISION

under Division 51, change "Subs. 33 to 33.67" to *Subs. 33 to 33.69*.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
250	9	178	50+, 58+
250	9	179	15
250	9	250	33.69

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
250	33.69	250	9
343	175-181	250	6, 9
343	200-208	250	6, 9
343	225-228	250	2

IN THE DEFINITIONS:

89, Ordnance

in subclass 1.5, cancel "(1) Note" and "(2) Note", and add:

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 2, for miscellaneous trip devices.
102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 2+, for drop bombs per se, and subclass 35, for parachute flares.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+, and the classes and subclasses specified in the notes thereto for devices and apparatus designed to be controlled by radiant energy transmitted from a distance.

in subclass 41, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, and the classes specified in the notes to the class definition for devices and apparatus designed to be controlled or actuated by radiant energy transmitted from a distance. See subclass 7 where reflected or otherwise returned radio energy (e. g., radar) is utilized, subclass 100+ where directive radio energy is utilized, note subclass 112 for position finding receivers, and subclass 113 for direction finding receivers, and subclass 225 for miscellaneous radiant energy control systems.

102, Ammunition and Explosive Devices

in subclass 3, in "(2) Note", add:

See the notes to subclass 77 of Class 244 for the classes which provide for electrical apparatus and systems for automatically controlling the motion and/or steering of vehicles and other mobile devices and for a statement as to the line between the classes.

114, Ships

in the class definition, cancel "Note. Search Classes:" and substitute *Search Class* and add:

244—AERONAUTICS, subclasses 14 and 75+, for apparatus and devices for controlling the aircraft. Subclass 76+ is the generic subclass for the automatic steering of mobile craft in two and three dimensions. See subclass 77 and the classes specified in the notes thereto for the classes which provide for electrically controlled or actuated apparatus for automatically controlling the motion and/or steering of mobile craft and for a statement as to the line between the classes.

in subclass 21, cancel the definition and substitute:

21. Fish or automobile torpedoes controlled from a shore or other station by electrical or radiant energy means (e. g., radio, electric conductors), for steering.
(1) Note.—This subclass is the generic subclass in Class 114 for the electrical control of movable bodies which are classified in Class 114 (e. g., ships and torpedoes) and provides for such inventions where the device as claimed is not limited to being a device other than a torpedo.

Search this class, subclass—
144+—for mechanism for controlling the direction or motion of a ship by means of rudders, speed-retarders, etc.

and under "Search Class", insert:

244—AERONAUTICS, subclass 77, and the classes specified in the notes thereto for electrically actuated or controlled apparatus and devices for automatically controlling the motion and/or steering of mobile devices, and for a statement as to the line between the classes.

in subclass 144, cancel "(1) Search this class", and substitute:

Search this class, subclass—
21 and 23+—for torpedoes with steering control means.
162—for tillers.
209—for drag anchors for speed-retarding and steering.

and cancel "(2) Search Classes" and substitute *Search Class*, and cancel the reference to Class 244 and substitute:

244—AERONAUTICS, subclass 75+, for apparatus and devices for controlling aircraft. Subclass 76+ is the generic subclass for the automatic steering of mobile craft in two and three dimensions. See subclass 77 and the classes specified in the notes thereto for the classes which provide for electrically controlled or actuated apparatus for controlling the motion and/or steering of mobile devices and for a statement as to the line between the classes.

121, Motors, Expansible-Chamber Type

in subclass 38, under "Search Class", add:

244—AERONAUTICS, subclass 75+, for apparatus utilizing fluid motors for the control of aircraft in flight. See subclass 77 and the classes specified in the notes thereto for such subject matter where the apparatus includes electrical control means and for a statement as to the line between the classes which provide for automatic steering of mobile craft by means of electrical apparatus.

178, Telegraphy

in subclass 2, under "Search Class", cancel the reference to Class 250, and add:

250—RADIANT ENERGY, subclass 5, for earth transmission telegraphy, and subclass 8, for radio telegraphy.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 177, for radiant energy duplex communication systems with means to selectively communicate with different stations, and subclass 226, for radiant energy systems for transmitting both telegraph signals and a control signal to control a non-signaling apparatus.

in subclass 4.1, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 177, for radiant energy duplex systems which include means for controlling a remote station, and subclass 225+, for miscellaneous radiant energy systems for transmitting a signal other than or in addition to the message for controlling a remote station.

in subclass 5, add:

(0.5) Note.—This and the indented subclass include facsimile systems where the signals are transmitted by radiant energy (e. g., radio facsimile systems).

and under "Search Class", in the reference to Class 250, change "(See (1) Note above)" to (*See (0.5) Note and (1) Note above*).

in subclass 5.1, under "Search Class", add:

250—RADIANT ENERGY, subclass 6, for privacy ensuring radio telephone systems.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for privacy insuring radiant energy systems wherein the masking or coding signal may be another separate message.

in subclass 5.2, under "Search Class", insert:

179—TELEPHONY, subclass 15, for multiplex telephone systems having means for frequency band compression.

in subclass 5.4, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 205+, for multiplex radiant energy receivers and receiving systems, and subclass 207+, for multiplex radiant energy transmitters and transmitting systems.

in subclass 5.6, in "(1) Note", cancel the reference to Class 250, and substitute:

and Class 250, RADIANT ENERGY, subclass 33.69, for antenna and antenna systems with coupling networks for a plurality of transmitters and/or receivers, and Class 343, COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for multiplex, radiant energy, communication systems.

and under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, (see (1) Note).

in subclass 5.8, add:

Search Class—
250—RADIANT ENERGY, subclass 33.69, for antenna and antenna systems with coupling networks for a plurality of transmitters and/or receivers.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 205+, for multiplex radiant energy receivers and receiving systems, and subclass 207+, for multiplex radiant energy transmitters and transmitting systems.

in subclass 6, under "Search Class", in the reference to Class 250, cancel "for radio telegraphy . . . of general application", and substitute:

subclass 7, for light ray communication systems, subclass 15, for radio relay systems

and add in numerical order:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for radiant energy multiplex communication systems.

in subclass 7.1, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 175+, for radiant energy duplex communication systems.

in subclass 22, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 201, for privacy insuring radiant energy telegraph systems wherein the masking or coding signal may be another separate message.

in subclass 43.5, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 203, for multiplex radiant energy pulse modulation systems, transmitters or receivers.

in subclass 44, under "Search Class", add:

250—RADIANT ENERGY, subclass 33.69, for antennae and antenna systems with passive coupling elements or networks for a plurality of transmitters and/or receivers.

in subclass 49, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 226, for miscellaneous radiant energy systems for transmitting both telegraph signals and a control signal to control a non-signaling apparatus.

in subclass 50, under "Search Class", cancel the reference to Class 250, and add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for radiant energy multiplex communication systems.

in subclass 51, under "Search Class", cancel the reference to Classes 250, Radiant Energy, and 343, Communications, Radiant Energy, and substitute:

250—RADIANT ENERGY, subclasses 6 and 8, for resonance tuning in wireless telephone and telegraph systems, subclass 20, for radio receivers with tuning means, and subclass 40, for tuning means per se.
343—COMMUNICATIONS, RADIANT ENERGY, 200+, for radiant energy multiplex communication systems.

in subclass 52, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 204, for radiant energy time division multiplex communication systems.

in subclass 54, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 176, for radiant energy duplex-multiplex communication systems.

in subclass 55, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 176, for radiant energy duplex-multiplex communication systems.

in subclass 56, under "Search Class", add:

250—RADIANT ENERGY, subclass 15, for radiant energy repeaters and systems with a repeater station.

in subclass 58, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 175+, for radiant energy, duplex-communication systems.

in subclass 61, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 201, for radiant energy multiplex communication systems.

in subclass 69.5, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, appropriate subclasses for radiant energy systems which are provided with synchronizing means for different stations.

in subclass 69.6, add:

Search Class—
343—COMMUNICATIONS, RADIANT ENERGY, subclass 177, for duplex radiant energy communication systems provided with calling means.

in subclass 88, under "Search Class", cancel the reference to Classes 250 and 343, and substitute:

250—RADIANT ENERGY, subclass 8, for radio telegraph receivers, subclass 20+, for radio telephone receivers.
343—COMMUNICATIONS, RADIANT ENERGY, subclass 205+, for multiplex, radiant energy communication receivers.

179, Telephony

in subclass 1.5, cancel "(1) Note", and substitute:

(1) Note.—This subclass includes inventions disclosing and claiming secret carrier telephony and capable of use in either wired or wireless systems unless they are limited by the claims to radiant energy transmission in which case see Class 250, RADIANT ENERGY, appropriate subclasses, and Class 343, COMMUNICATIONS, RADIANT ENERGY, subclass 200+ and appended notes, particularly (7) Note under subclass 200 of Class 343.

In subclass 2, add:

Search Class—

343—COMMUNICATIONS, RADIANT ENERGY, subclasses 200 and 202, for analogous radiant energy communication systems.

In subclass 2.5, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for analogous radiant energy multiplex communication systems for the simultaneous transmission of telephone and other types of of messages; subclass 226, for miscellaneous radiant energy systems for transmitting both telephone signals and a control signal to control a non-signaling apparatus.

In subclass 15 under "Search Class", cancel the reference to Class 250 and add:

343—COMMUNICATIONS, RADIANT ENERGY, subclasses 175+ and 200+, for corresponding systems, transmitters and receivers where the claimed subject matter is limited to radiant energy.

In subclass 84, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 177, for radiant energy duplex systems having calling means.

In subclass 170, add:

Search Class—

343—COMMUNICATIONS, RADIANT ENERGY, subclass 180, for radiant energy duplex stations having means to prevent mutual interference between the adjacent, simultaneously-operating, transmitter and receiver.

180, Motor Vehicles

In subclass 77, under "Search Class", add:

244—AERONAUTICS, subclass 75 and the classes specified in the notes thereto, for apparatus and devices for controlling aircraft and other mobile craft. See subclass 77 and the classes specified in the notes thereto where the control is effected by electrical means and for a statement as to the line between the classes.

In subclass 79, under "Search Class", insert:

244—AERONAUTICS, subclass 75+ and the classes specified in the notes thereto for apparatus and devices for controlling aircraft and other mobile craft. See subclass 77 and the classes specified in the notes thereto for the classes which provide for electrically controlled devices or apparatus for steering and for a statement of the line between the classes.

In subclass 79.1, add:

Search Class—

244—AERONAUTICS, subclass 77 and the classes specified in the notes thereto, for the classes which provide for electrically controlled devices or apparatus for steering and for a statement of the line between the classes.

In subclass 82 under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+, and the classes specified in the notes thereto for radiant energy controlled devices for controlling non-signaling devices.

244, Aeronautics

In the class definition, insert:

(0.5) Note.—This class provides, in subclass 76+, the generic subclass for the automatic steering of mobile craft in two or three dimensions. See subclass 77 where the control apparatus includes electrical devices or apparatus. See the search notes to these subclasses for the other subclasses which provide for motion and/or steering control and a statement as to the line between the classes.

In subclass 14, cancel "(1) Note", and substitute:

(1) Note.—For the automatic control of aircraft and other mobile devices, see this class, subclass 76+ and note especially the classes referred to in the notes to subclasses 76 and 77.

In subclass 75, under "Search Class", add:

102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 3, for drop bombs with means for controlling the course of their flight.

114—SHIPS, subclasses 21 and 23+, for torpedoes with means to control the steering and/or motion of the torpedo, and subclass 25, for torpedoes with automatic means to keep the torpedo at a predetermined depth below the surface, and subclass 144+, for miscellaneous devices for controlling the direction and/or speed of a ship.

121—MOTORS, EXPANSIBLE-CHAMBER TYPE, subclass 38+ is the generic subclass for servo-motors and systems of the fluid motor type.

180—MOTOR VEHICLES, subclass 79+, for motor vehicles (for use on roads) provided with steering means, and subclass 82+, for safety devices for controlling road vehicles.

280—LAND VEHICLES, subclasses 87+ and 263+, for miscellaneous steering mechanism for land vehicles.

318—ELECTRICITY, MOTIVE POWER SYSTEMS, appropriate subclasses, for electric motor systems. See the notes to subclass 77 of Class 244 for the line between this class and Class 318.

In subclass 76, cancel "(2) Note" and "(3) Note", and add:

(2) Note.—These are the generic subclasses for the steering of dirigible craft automatically in two or three dimensions. See subclass 77 for a statement as to the line between the various vehicle and motor classes and for the classes which provide for electrically controlled or actuated steering for mobile craft.

Search Class—

73—MEASURING AND TESTING, subclass 178+, for navigating instruments in general where no control of the craft is involved.

102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 3, for drop bombs having automatic means for controlling the course of their flight.

114—SHIPS, subclasses 21 and 23+, for torpedoes with automatically actuated steering mechanism; see subclass 24, where the control mechanism includes a gyroscope, and subclass 144+, for miscellaneous devices, including the automatically actuated devices, for changing the direction or speed of a ship.

121—MOTORS, EXPANSIBLE-CHAMBER TYPE, subclass 38+ is the generic subclass for automatically actuated and/or controlled servo-motors and systems of the fluid motor type.

180—MOTOR VEHICLES, subclass 82+, for automatically operated safety devices for road vehicles; see subclass 82.1 where the device is speed responsive.

In subclass 77, cancel "(1) Note", "(4) Note", and "Search Class", and the reference to Class 318 thereunder and substitute:

(2) Note.—This is the generic subclass for the steering of dirigible craft automatically in two or three dimensions by means of electrical apparatus. Where significant structure of the ship, aircraft, or other vehicle is claimed, the patent is classified in the class providing for the particular craft. See the classes referred to under "Search Class" below.

Where no significant structure of the craft is claimed, and the rudder, ailerons, or other steering means is recited in the claims by name only, the patents which claim or disclose a motor for actuating the steering means are classified in accordance with the principles set forth in the following sections. It should be noted that where a motor control system and the device controlled by the motor is claimed, but the motor is not specifically recited in the claims or is recited only as a motor, the patent is classified in the motor class which provides for the type of motor disclosed. That is, if the system discloses that an electric motor is used to actuate the steering control device, the patent will be classified in Class 318, ELECTRICITY, MOTIVE POWER SYSTEMS. Where the patent discloses that either a non-electric motor or an electric motor may be used to actuate the steering device, and the claims are not limited in any way to any particular type of motor, the patent is classified in the electric motor class.

(*a*) If the claims specify that two different craft control devices are controlled, even though the control devices are recited by name only (e. g., as rudder and elevator), the patent is excluded from the motor class and will be classified in this or the other appropriate craft class.

(*b*) The non-electric motor classes will provide for the combination of a motor controlling a single steering means recited by name only where no significant structure of the craft is recited and where no subject matter is claimed which limits the invention to use with a moving craft. Examples of subject matter considered to limit the invention to use with a moving craft are movable sensing means to be directed upon a target or in a reference direction, as a scanning antenna or photocell for determining the proper direction of steering with respect to the target or reference direction, or means responsive to a condition to maintain the craft upon a course, as a gyroscopic device. Mere remote control of the craft by transmitted energy (e. g., radio) where the control function is manually selected at the control station is not in itself considered to limit the invention to use with a moving craft.

(*c*) Class 318, ELECTRICITY, MOTIVE POWER SYSTEMS, provides for electric motor systems where one or more electric motors are controlled. Class 318 provides for electric motor controlled steering within the limitations of the paragraphs above even though subject matter is claimed which limits the invention to use with a moving device. For example, the mere inclusion of a movable antenna which is to be directed in a reference direction for determining the proper heading of the craft with respect to a fixed point will not exclude the patent from Class 318.

(*d*) The above lines apply to systems using radiant energy (e. g., radio) to control the motor. Class 343, COMMUNICATIONS, RADIANT ENERGY, provides only for radiant energy systems for controlling devices other than radiant energy signaling devices where the device is so broadly recited as to form no basis of classification in any other class. An apparent exception should be noted with respect to Class 343, COMMUNICATIONS, RADIANT ENERGY, in the systems which include a vehicle having a directional antenna fixed with respect to the vehicle so that as the vehicle is turned the directional antenna is also turned. These systems will be classified in Class 343 (see subclass 117 especially), irrespective of whether or not significant motor system, motor steering means or craft structure is claimed if the ultimate function of the apparatus can be construed as merely orienting a directional antenna by automatic means. If the directional antenna is movably mounted on the craft, and the craft also has gyroscopic means to maintain the craft upon a course, the system will not be classified in Class 343, but will be classified according to sections (*b*) and (*c*) above, as the craft is not controlled solely by radiant energy, but is controlled by two different sensing means (i. e., the gyroscope and the radiant energy control means).

Search Class—

60—POWER PLANTS, subclass 6+, for power producing means involving the combination of a plurality of different motors (e. g., an electric motor and a non-electric motor), and subclass 97+ is the generic subclass for power producing means which include a plurality of non-electric motors of the same class.

102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 3, for drop bombs having automatic means including electrical controls, for controlling the course of their flight, and subclass 50, for projectiles with automatically controlled steering means. See (2) Note above.

114—SHIPS, subclass 21, for torpedoes controlled from a remote station means involving electrical circuits, and subclass 23+, for torpedoes with automatic control of the steering which include electrical circuits, and subclass 144+, for the miscellaneous automatically controlled steering or speed control of ships. See (2) Note, above.

121—MOTORS, EXPANSIBLE-CHAMBER TYPE, subclass 38+ is the generic subclass for fluid motor servo-motor systems including those having electrical control means. See (2) Note, above.

180—MOTOR VEHICLES, subclass 82+, for automatic electrically operated safety devices for road vehicles.

246—RAILWAY SWITCHES AND SIGNALS, subclasses 4, 7, 29+ and 189, for railway train control and signaling systems utilizing radiant energy.

250—RADIANT ENERGY, subclass 200+ and the classes and subclasses specified in the notes thereto, for photo-sensitive electrical circuits.

280—LAND VEHICLES, subclasses 87+ and 263+, for miscellaneous steering mechanism for land vehicles.

318—ELECTRICITY, MOTIVE POWER SYSTEMS, appropriate subclasses, for electric motor systems. See (2) Note, above. See subclass 16 where the motor is supplied or controlled by space transmitted electrical energy (e. g., radio). See subclass 34+ for the plural motor systems (see (2) Note, above). See subclass 445 and the subclasses specified in the notes thereto for the automatically controlled motor systems, note subclass 460 where the automatic means responds to sound or mechanical vibrations, subclass 480 where the automatic means responds to light or radiant energy other than electrical waves, subclass 481 where the automatic means responds to fluid pressure, and subclass 489 where the automatic means responds to direction, inclination angular position or to a change thereof.

343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+ and the subclasses specified in the notes thereto, for the miscellaneous radiant energy systems utilizing radio waves, compressional waves, or plural different types of radiant energy (e. g., light and radio) to control a device other than a signal indicator or measuring instrument.

246, Railway Switches and Signals

In subclass 5, under "Search Class", cancel the reference to Classes 250 and 343, and substitute:

250—RADIANT ENERGY, subclass 200+ and the classes specified in the notes thereto, for photosensitive electric systems for controlling a device.

343—COMMUNICATIONS, RADIANT ENERGY, subclass 7, for miscellaneous systems for controlling a device by means of reflected or otherwise returned radio waves (radar); subclass 225+, for miscellaneous radiant energy systems (e. g., radio) for controlling a device. See the classes referred to under "Search Class" in the class definition of Class 343 for the other classes having systems for utilizing radiant energy to control a device.

In subclass 7, under "Search Class", cancel the reference to Class 343, and substitute:

343—COMMUNICATIONS, RADIANT ENERGY, appropriate subclasses, for miscellaneous radio and other radiant energy signaling systems, see subclass 226 for miscellaneous radiant energy systems designed to transmit a message and also to control a non-signaling apparatus at a distance.

In subclass 30, under "Search Class", in the reference to Class 343, change the period to a comma and add:

particularly subclass 7 for the miscellaneous systems for controlling a device by means of reflected or otherwise returned radiant (radio) energy; subclass 225+, for the miscellaneous radiant energy systems for controlling a device. See the classes under "Search Class" in the class definitions of Class 343 for the other classes which provide for radiant energy systems for controlling a device.

250, Radiant Energy

In the class definition, section (2), cancel "(2) Inventions relating . . . at a distance", and substitute:

(2) Inventions relating to the operation and control of signaling instrumentalities at a distance

In subclass 2, cancel part (1) of the subclass definition, and substitute:

(1) Means for the transmission of energy for the control of signaling apparatus at a distance; more particularly means for wireless transmission of electrical energy for such purpose, and

and cancel "(0.5) Note", and substitute:

(0.5) Note.—This and the indented subclasses include wireless-transmission systems for operating signaling devices, such as typewriters, printing mechanisms, signal-indicators, recorders, etc.

and in "(2) Search Classes", cancel the reference to Classes 114, 172, 246, 343 and add in numerical order:

246—RAILWAY SWITCHES AND SIGNALS, subclass 7, for railway signaling systems which include a radiant energy telegraph or telephone system for communication between trains, different parts of a train, or between a train and another station; and subclass 30, for railway signaling systems in which the signals are controlled by radio waves.

343—COMMUNICATIONS, RADIANT ENERGY, subclass 7, for this subject matter where the system includes a reflected or otherwise returned radio wave (radar) system; subclasses 100 to 124 where the radiant energy is characterized by some quality that varies with direction, position and/or the plane of polarization (e. g., directional); subclass 175+, for radiant energy duplex systems, subclass 200+, for radiant energy multiplex systems, and subclass 225+, for radiant energy control systems for controlling a radio transmitter, radio receiver, or other device by means of a control signal other than a message signal. Systems for controlling devices other than radio receivers and transmitters are included in Class 343 only when the device is so broadly defined as to afford no basis of classification in any other class. See the search notes to the class definition of Class 343 and to the definition of subclass 225+, for the classes which provide for the control of specific devices by means of radiant energy.

In subclass 6, change "(2) Search Classes" to *Search Class*, and add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 100+, for directive radiant energy communication systems, subclass 175+ and notes thereto for duplex or duplex-multiplex systems, subclass 200+, and notes thereto for radiant energy multiplex systems, subclass 225+, for miscellaneous radiant energy control systems.

in subclass 8, change "(2) Search Class" to *Search Class*, and add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 100+, for directive radiotelegraph systems, subclass 175+, for duplex radiotelegraph systems, subclass 201+, for multiplex radiotelegraph systems and apparatus.

in subclass 9, abolish the definition and all search classes thereunder.

in subclass 13, add:

Search Class—

343—COMMUNICATIONS, RADIANT ENERGY, subclass 175+, for duplex radiant energy communication systems, and especially subclass 178, for such systems designed to operate on a time-division basis. See the search notes to subclass 175 for the relation between this subclass in Class 250 and subclass 175+ of Class 343.

in subclass 15, change "Search Classes" to *Search Class*, and in the reference to Class 343, after the last period, add:

See subclass 175+ and notes thereto of Class 343 for simultaneous transmission and reception of different messages at a station.

in subclass 17, change "(2) Search Classes" to *Search Class*, and add in numerical order:

179—TELEPHONY, subclass 15, for transmitters and transmitter systems for simultaneously transmitting a plurality of messages which are not limited to use with radiated energy.

343—COMMUNICATIONS, RADIANT ENERGY, subclass 100, for directive radio transmitters and transmitters designed to radiate a polarized wave, subclass 206+, for radiant energy transmitters and transmitter systems for simultaneously transmitting a plurality of messages, and subclass 227, for systems for controlling a transmitter from a remote location by means of a radiant energy signal other than or in addition to a message signal.

in subclass 20, change "(2) Search Classes" to *Search Class*, and add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 100+, for directive radiant energy systems including receivers, see subclass 113 for direction finding receivers and subclass 200+ for radiant energy receivers and receiver systems designed to simultaneously receive a plurality of messages.

in subclass 27, under "Search this class, subclass", cancel the reference to subclasses 2 to 15, and substitute:

2–15—for radiant energy signaling systems and which include electric space discharge device circuits as a part thereof, note especially subclass 3+ for earth transmission, subclass 6+ for radio telephony, and subclass 8+ for radio telegraphy. See the class definitions of Class 250 and Class 343 for the radiant energy signaling and teledynamic systems included in Class 343.

and under "Search Class" cancel the reference to Class 343, and substitute:

343—COMMUNICATIONS, RADIANT ENERGY, see the class definitions of Class 250 and Class 343 for the radiant energy signaling and teledynamic systems in Class 343.

establish the following subclass definition:

33.69, Subject matter under subclass 33 wherein an antenna or antennae are connected by passive element networks to a plurality of transmitters and/or to a plurality of receivers, or to a transmitter and a receiver.

(1) Note.—If any significant receiver and/or transmitter structure or circuits, or any active element or network is claimed the patent is excluded. See (2) Note for a definition of active element or network.

For purposes of classification, those portions of the receiver and/or transmitter connected in immediate consecutive relationship with what may be termed the coupling network proper are not considered to be significant receiver or transmitter structure unless they contain an active element.

The excluded subject matter will be found in Class 343 in the subclasses specified in the search notes below.

(2) Note.—An active element or network is defined for purposes of classification as an element or network whose energy output is modified due to the presence of a source of energy (i. e., an active element) in the element or network (other than the mere signal energy which passes through the network) or an element or network in which the energy output from a source of energy (i. e., the active element) is controlled by the signal input.

To complete the search for this subject matter, search

Class—

343—COMMUNICATIONS, RADIANT ENERGY, subclass 175+, especially 180, for antenna coupling networks for coupling transmitters and receivers to antenna where the coupling network includes an active network and/or significant transmitter and/or receiver structure, subclass 205, for antenna coupling networks for plural receivers where the coupling network includes an active element and/or significant receiver structure, subclass 207, for antenna coupling networks for plural transmitters where the coupling network includes an active network and/or significant transmitter structure.

Search Class—

178—TELEGRAPHY, subclass 44, for miscellaneous passive electrical networks.

280, Land Vehicles

in the class definition under Section I, "Combined With External Means or Devices", section (A) "Remote Control", under "Search Class", cancel the reference to Classes 244, 250, and 343, and insert:

244—AERONAUTICS, subclass 75+ and the classes specified in the notes thereto, for apparatus and devices for controlling aircraft and other mobile craft. See subclass 77 and the classes specified in the notes thereto for the classes which provide for the remote control by electrical means of aircraft and other vehicles and for a statement as to the lines between the classes.

and under Section VII, "Miscellaneous Notes . . . Main Class Definition", cancel the reference to Class 250, and Class 343.

314, Electric Lamp and Discharge Devices, Consumable Electrodes

in subclass 63, change "(3) Search Class", to *Search Class*, and add:

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 16, for electric motor systems which are controlled by means of radiant electromagnetic waves (e. g., radio waves), subclass 460, for electric motor systems controlled by sonic or supersonic vibrations, and subclass 480, for electric motor systems controlled by radiant energy such as light, infra-red rays, etc.

343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+ is the generic subclass for the control of apparatus and devices at a distance by means of radiant energy. See the search notes in the class definition of Class 343 for the other classes which provide for the control of an apparatus or device by means of radiant energy.

315, Electric Lamp and Discharge Devices, Systems

in subclass 149, under "Search Class", add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+ is the generic subclass for systems for the control of apparatus and devices at a distance by means of radiant energy. See the search notes in the class definition of Class 343 for the other classes which provide for means for controlling an apparatus or device by means of radiant energy.

318, Electricity, Motive Power Systems

in the class definition, under "Search Class", cancel the reference to Classes 244 and 250, and add in numerical order:

244—AERONAUTICS, subclass 77 is the generic subclass for systems and apparatus for automatically controlling the steering of a mobile device in two or three dimensions by electrical means. See the search notes to subclass 77 for the other classes which provide for systems and apparatus for the control of the steering or motion of mobile craft by means of electric motors and for a statement as to the line between the classes. Also see Section I, (E) of the class definition of Class 318.

343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+ is the generic subclass for systems for the control of apparatus and devices at a distance by means of radiant energy. See subclass 7 where reflected or otherwise returned radiant energy (e. g., radar) is utilized. See the search notes in the class definition of Class 343 for the other subclass and classes which provide for radiant energy systems for controlling devices and apparatus.

in subclass 16, under "Search Class", cancel the reference to Classes 250 and 343, and add:

244—AERONAUTICS, subclass 77 is the generic subclass for systems and apparatus for automatically controlling the steering of a mobile device in two or three dimensions by electrical means, including such control systems which utilize radiant energy. See the notes to the definition of that subclass for the other classes which provide for systems and apparatus for the control of the steering or motion of mobile devices and for a statement as to the lines between the classes.

250—RADIANT ENERGY, subclass 2+, for miscellaneous radiant energy systems.

343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+ is the generic subclass for systems for the control of apparatus and devices at a distance by means of radiant energy. Subclass 7 of Class 343 provides for such subject matter if reflected or otherwise returned (e. g., radar) energy is utilized. Subclass 117 of Class 343 provides for direction finding receivers having movable antenna which are oriented in the direction of the received signal by means of an electric motor system. See the search notes in the class definition of Class 343 for the other subclasses and classes which provide for radiant energy systems for controlling apparatus and devices.

in subclass 460, add:

Search Class—

343—COMMUNICATIONS, RADIANT ENERGY, subclass 225+ is the generic subclass for systems for the control of apparatus and devices at a distance by means of radiant energy including compressional waves (e. g., sound waves). See the search notes in the class definition of Class 343 for the other classes which provide for means for the control of an apparatus or device by means of compressional waves.

in subclass 489, add:

(1) Note.—This subclass includes patents within the subclass definition where the electric motor is utilized to control the steering and/or motion of a vehicle.

and under "Search Class", in the reference to Class 244, cancel the words "particularly note subclass 77 which relates to electric control", and substitute:

Subclass 77 is the generic subclass for systems and apparatus for automatically controlling the steering of a mobile device in two or three dimensions by electrical means. See the search notes to subclass 77 for the other classes which provide for means for controlling the steering or motion of mobile craft and for a statement as to the line between the classes.

332, Modulators

in the class definition, Section II, A, 4, under "Search Class", cancel the reference to Class 250, and add:

343—COMMUNICATIONS, RADIANT ENERGY, subclass 200+, for radiant energy multiplex systems, transmitters, and receivers.

and in Section II, B, 5, in paragraph 2 cancel, "Class 250, Radiant Energy, subclass 9", and substitute, *343, Communications, Radiant Energy, subclass 200+*.

in Section VI, under "Signals, Indicators, Meters and Testing Involving Modulation", in the reference to Class 250, cancel "subclass 9 for radio multiplex systems (see Section II, A, 4 above)."

and in the reference to Class 343, add after the final period:

See also subclasses 175+ and 200+ for duplex and multiplex radiant energy communication systems including modulators.

in Section VII, in the reference to Class 250, cancel "multiplex, subclass 9, II, A, 4; II, B, 5"

and in the reference to Class 343, add:

duplex, multiplex subclasses 175+ and 200+, II, A, 4; II, B, 5; VI

in subclass 10, under "Search Class", cancel "250, Radiant Energy, subclass 9", and substitute:

343—COMMUNICATIONS, RADIANT ENERGY, subclasses 175+ and 200+.

in subclass 21, under "Search Class", cancel "250, Radiant Energy, subclass 9", and substitute:

343—COMMUNICATIONS, RADIANT ENERGY, subclasses 175+ and 200+.

in subclass 40, under "Search Class", cancel "250, Radiant Energy, subclass 9", and substitute:

343—COMMUNICATIONS, RADIANT ENERGY, subclasses 175+ and 200+.

343, Communications, Radiant Energy

in the class definition, under "Definition of Terms"; cancel the definition of "Radiant Energy", and substitute:

Radiant Energy: The energy (partially kinetic, partially potential) associated with waves produced in free space by a source of energy, as light waves, electromagnetic radiations (including radio waves), neutron and similar radiation, subsonic, supersonic, and sonic waves.

Free Space: Space where the movement of energy in any direction is substantially unimpeded, such as interplanetary space, the atmosphere, the ocean and other large bodies of water or the earth.

Restricted Space: A space or medium which tends to confine the energy within specified boundaries along a predetermined path, as wave guides, hollow resonators, conductive wires.

and cancel the definition of "Radiate", and substitute:

Radiate: The emanation of energy into free space.

cancel the definition of "Signal", and after the definition of "Communications", add:

Signal: Control impulse, wave energy, intelligence or message conveyed, such as a sign, noise indication agreed upon, understood and used to convey intelligence at a distance.

Message: A signal used to convey intelligence, such as telegraph signals or telephone signals (e. g., speech). Message is used in more limited sense than signal for the purpose of classification in this class in that signal includes the transmission of control impulses for operation mechanism other than mere signal reproducers.

and under Section II, B, cancel the last sentence.

and cancel "Section II, C", and substitute:

C. This class includes patents relating to the operation and control of instrumentalities at a distance by radiant energy (e. g., electro-magnetic waves transmitted through the natural media), including

(*a*) radiant energy telegraphy except facsimile (television) systems.

(*b*) radiant energy telephony except such systems as use only compressional waves in the audible range.

(*c*) radio signaling systems (including radio telephony and telegraph systems) and other radiant energy signaling systems. Radiant energy signaling systems other than radio systems are classified in this class only when no other class provides for the system.

(*d*) radiant energy transmission systems for controlling apparatus and mechanisms at a distance other than an indicating or measuring instrument where the claims define the apparatus and mechanism controlled so broadly as to afford no basis of classification in any other class. Systems which utilize only light waves for controlling the apparatus or mechanism are excluded from this class.

(*e*) telegraph systems as in (*a*) above and telephone systems as in (*b*) above, and radio signaling systems as in (*c*) above in combination with radiant energy means for controlling a specific apparatus or mechanism at a distance. See the notes to subclass 225 for such systems as are included in this class.

(*f*) systems and apparatus for measuring and/or detecting radiated radio waves and such systems and apparatus for measuring and/or detecting compressional waves as are not otherwise classified. See Section VII below for the radiant energy measuring and testing included in this class.

(*g*) included are radio receivers and transmitters which are limited by claimed subject matter to use with radiant radio energy.

and, also in Section II, add:

E. Among the expressions and terms considered to limit the claims to radiant energy for this class where the disclosure is that the signal is transmitted by radiant energy are: antenna, aerial conductor, non-directional transmitting means, means for radiating, an antenna circuit, radio broadcasting, mobile station, fading, off-set carrier (where the system involves a plurality of transmitters), multipath phenomena, radio diversity receiver, transmitting path including the etheric space. Any other expression or term which limits the claimed subject matter to use in solving a radiant energy problem will cause classification of the claims in this or a related radiant energy class.

Among the expressions and terms not considered to limit the claims to radiant energy for this class even though the disclosure is that the signal is transmitted by radiant energy are: radio transmitter and/or receiver, static, broadcasting, plural radio transmitters and/or receivers, radio waves,

radio frequency, wave guide transmission path, radio repeater, high frequency waves. Any other expression or term which indicates only that subject matter is limited to use in generating, transmitting and/or receiving high frequency waves which might equally well be used over a conductive transmission line or wave guide will not be sufficient to cause classification in this class even though the sole disclosure is that the signal is transmitted by radiant energy.

and cancel Section IV, and substitute:

IV. See Section II, C above for the radiant energy systems for controlling apparatus and mechanism other than indicating or measuring instruments which are included in this class. See subclasses 7 and 225 of this class and the search notes thereto for the miscellaneous systems for controlling apparatus other than indicating and measuring instruments which are classified in this class. See the classes specified under "Search Class" below for a reference to some of the other classes which provide for radiant energy controlled devices and apparatus.

and under VI, "Signaling", cancel the reference to Classes 178 and 179, and add in numerical order:

Class **178**—TELEGRAPHY, in subclass 5 all facsimile systems (television) whether the facsimile systems are transmitted by radiant energy or otherwise. Class 178 also includes in many of the subclasses patents where the sole disclosure is of a radiant energy telegraph system, but the claims are not limited to radiant energy transmission of the signals. See especially subclass 19 for handwriting and drawing transmission systems, subclass 22 for secrecy systems, subclass 43 for space induction systems, subclass 43.5 for systems wherein a continuously varying current is converted into a pulse modulated current and reconverted at the receiver, subclass 50 + for multiplex systems, and subclass 58 + for duplex systems, subclass 66 + for miscellaneous systems using alternating current (including high frequency current) to transmit the signal (note that many of the patents in subclass 66 of Class 178 are closely analogous to the patents in Class 250, subclass 17 +), and subclass 88 + for miscellaneous telegraph receivers. Subclass 44 of Class 178 provides for wave guides, hollow resonators, and similar devices for propagating radiant energy without the aid of wires.

Class **179**—TELEPHONY, includes in many of the subclasses patents where the sole disclosure is of a radiant energy telephone system, but the claims are not limited to radiant energy transmission of the message. See subclass 1.5 for secret telephone systems (including those using carrier waves), subclass 2 + for composite telephone systems (i. e., telephone systems combined with other electrical systems, as power, fire, burglar and telegraph), see especially subclass 2.5 where a superaudible carrier wave is used for the transmission of the telephone message, subclass 15 for duplex telephone systems with means to prevent interference between the incoming and outgoing message and for multiplex telephone systems, subclass 15.5 + for single channel carrier current telephone systems, subclass 82 for space induction type telephone systems, subclass 84 + for telephone calling systems and apparatus, and subclass 110.11 + for combined radio and phonograph apparatus and systems.

Class **332**—MODULATORS, appropriate subclasses, for modulators, per se.

in Section VII, Measuring and Testing, cancel the first paragraph and substitute:

This class includes some patents for measuring and detecting utilizing radiant energy. Where the only radiant energy used is light energy (either visible or invisible), the patent is excluded from this class. Where the only radiant energy used is compressional wave energy, the patent is classified in this class only if no other class provides for the subject matter. The detection of objects, or the use of radiant energy to measure distance, direction and/or velocity of an object, is included in this class (subject to the above mentioned limitations) when the only measurement is of the amplitude of the radiant energy, or of the direction in which the energy is transmitted or the direction from which the energy is received, or where the duration of time the radiant energy is being propagated is measured, or where only the detection of radiant energy is involved. This class also includes the measurement of the amplitude or intensity of the radiated energy where the measurement is performed by detecting and measuring the radiant energy.

in Section VII, under "For other measuring and testing, Search Classes", in the reference to Class 73, before the last sentence beginning "See subclass 355 for . . ." insert:

Subclass 67 + for miscellaneous apparatus for testing devices by means of vibratory forces (e. g., certain types of compressional waves), see indented subclass 69 where sound waves are used.

and add at the end of the paragraph:

Class 73 provides for measuring and testing methods and apparatus which involve a radiant energy test and a non-electrical test.

in the reference to Class 88, Optics, cancel the sentence "Subclass 14 + of Class 88 . . . transmitted by an object", and substitute;

Subclass 14 + of Class 88 is the generic subclass for processes and apparatus for measuring and testing utilizing visible light (such as tests which measure the amount of light which is transmitted by an object).

in the reference to Class 175, add at the end of the paragraph:

Subclass 183 provides for electrical testing methods and apparatus which include a test by means of radio waves and another electrical test.

in the reference to Class 250, add at the end of the paragraph:

Subclass 200 + of Class 250 is the generic subclass for photo-sensitive systems which are responsive to visible light and for the apparatus used with photo-cells. The search notes to these subclasses should be consulted for the other classes which provide for photo-sensitive control systems and apparatus.

under "Search Class" in the reference to Class 102, before "subclass 19.2", insert:

Subclass 3 for drop bombs with direction controlling means, including those controlled by radiant energy.

cancel the reference to Classes 114, 175, 244, and 318, and add in numerical order:

89—ORDNANCE, subclasses 1 and 41, for apparatus designed to control and/or move a gun for aiming it towards a target, including such apparatus where radiant energy is utilized, and subclass 1.5, for radiant energy actuated or controlled devices for releasing bombs, flares, etc., from aircraft.

121—MOTORS, EXPANSIBLE-CHAMBER TYPE, subclasses 38 and 46.5, for fluid motor systems controlled by radiant energy.

137—WATER DISTRIBUTION, subclass 139 +, for radiant energy systems for controlling the actuation of valves.

158—LIQUID AND GASEOUS FUEL BURNERS, subclass 28, for radiant energy systems for the control of liquid fuel burners.

171—ELECTRICITY, GENERATION, subclass 97, for electrical systems of distribution controlled by radiant energy.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 320, for relay circuits including those controlled by radiant energy; subclass 321, for photo-cell controlled relay circuits, subclass 335, for radiant energy controlled electromagnet circuits; subclass 375, for radiant energy controlled electromagnet switching systems. See Section VII for the testing systems and apparatus in subclass 183 of Class 175.

240—ILLUMINATION, appropriate subclasses, for radiant energy controlled illuminating devices; see especially subclass 1.2 for the radiant energy control illuminating devices designed for purposes relating to aviation (e. g., landing field lights).

244—AERONAUTICS, subclass 77, for systems for automatically controlling aircraft by means of electrical apparatus and radiant energy. Subclass 77 is the generic subclass for the automatic control of the steering of mobile craft in two or three dimensions where electrical means are utilized. See the search notes to subclass 77 in Class 244 for the other classes which provide for radiant energy controlled steering and for a statement as to the lines between the classes.

in the reference to Class 246, add at the end of the paragraph:

Subclass 4, for train dispatching systems having a train carried signal or train control mechanism, the system including radiant energy control, subclass 29 + for block signaling systems in which traffic control devices are controlled by radiant energy; see indented subclass 30 where radio energy is used, and subclass 189 for radiant energy control systems for controlling the engineer's brake valve on a train.

in the reference to Class 315, before the words "subclass 32 +", insert:

subclass 10 for radiant energy controlled cathode ray tube circuits.

and add at the end of the paragraph:

see subclass 149 + for radiant energy controlled electric lamp and gas or vapor type electric space discharge device systems.

in Section VII, "Measuring and Testing", insert *VIII* before "Search Class"

and add in numerical order:

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 16, for electric motor systems where the motor is controlled or supplied by space transmitted electromagnetic or electrostatic energy (including radio energy), subclass 460, for electric motor systems controlled by sound or supersonic vibrations, subclass 480, for electric motor systems controlled by radiant energy (e. g., light).

in subclass 5 "Section (3)", cancel the second paragraph and substitute:

(4) The means and systems of paragraphs (1) and (2) are for the purpose of transmitting and/or receiving messages or signals, and/or for detecting the presence of the object, and/or determining the distance of the object from the transmitter, and/or determining the speed of the object, and/or determining the direction of the object, and/or to produce an image of the object, and/or to identify the object, and/or to utilize the reflected or returned energy to control some apparatus other than a mere indicating or measuring instrument where the structure of such controlled device is so broadly recited as to afford no basis of classification in any other class (where the device controlled is a signaling apparatus or a signal measuring apparatus, it may be specifically claimed), and/or for similar purposes.

and under "Search Class", in the reference to Class 250, cancel "Radiant Energy subclass 2 . . . located at a distance from the transmitter station", and substitute:

250—RADIANT ENERGY, see subclass 2, for radiant energy control systems for signaling, subclass 15 for repeater stations for receiving signals from one station and automatically transmitting a signal which has the same characteristics to another station. Subclass 15 provides for such repeater stations where there is a time delay interposed between the received signal and the transmitted signal.

in subclass 7, cancel the definition and substitute:

7. Subject matter under subclass 5 wherein the reflected or otherwise returned wave energy is used to control some device in the radio system other than a mere indicating or measuring instrument or is used to control some device or apparatus which is so broadly defined as to afford no basis of classification in any other class.

and insert:

(2) Note.—This subclass provides for subject matter similar to that provided for in subclass 225 of this class except the systems in this subclass (7) are designed for use with reflected or otherwise returned energy. The notes to the definition of that subclass should be consulted for a guide to the type of art included in and excluded from this subclass. Note that in this subclass, the device controlled may be controlled by the intelligence or message and the subject matter is not limited to controlling the device by a separate control signal.

(3) Note.—See the search notes to the class definition for the other classes which provide for systems and apparatus by means for controlling the system or apparatus by means of reflected or otherwise returned radiant energy.

Search this class, subclass—

117—for direction finding radio receivers having a self-orienting antenna.

225—for miscellaneous systems and apparatus under the class definition, for controlling some device or apparatus other than a signal indicator by means of a radiant energy control signal. See also Note 2, above.

and under "Search Class", cancel the reference to Class 250, and add:

244—AERONAUTICS, subclass 77 and the classes and subclasses specified in the notes thereto, for radiant energy controlled steering mechanism for vehicles. See the notes thereto for the line between this class and subclass and the other classes with respect to the control of the steering of vehicles which have mounted thereon a fixed directional antenna.

in subclass 117, add:

Search Class—

244—AERONAUTICS, subclass 77 and the classes specified in the notes thereto, for radiant energy controlled steering mechanism for vehicles. See the notes thereto for the line between this class and subclass and the other classes with respect to the control of the steering of vehicles which have mounted thereon a fixed directional antenna.

establish the following subclass definitions:

175. Subject matter under the class definition having a transmitter for radiating a message and a receiver for receiving a different radiated message, the transmitter and receiver being at a common geographic location and/or operationally correlated.

(1) Note.—The transmitter and receiver which are at a common geographic location and/or operationally correlated are termed "a station" in these definitions and notes.

(2) Note.—In most of the systems and stations in this and the indented subclasses, the transmitter and receiver are either at the same location (i. e., closely adjacent to each other), or if separated, have some relation to or interconnection between each other so as to permit simultaneous transmission and reception without interference. The relation between the transmitter and receiver may be the operating frequencies used, phase relationship between the radiant energies, common control, operating time relationship (in time division), common element (e. g., oscillator tube used as detector), etc.

The transmitter and receiver need not be separate but may and usually do have one or more circuit elements in common, such as a common antenna, common electronic tube, common amplifier, etc.

(3) Note.—While in most of the systems and stations in this and the indented subclasses, the system or station disclosed in the patent is designed to permit simultaneous transmission and reception of different messages (including time division). This and the indented subclasses are the generic subclasses for systems which include a station and for stations which have a transmitter for radiating a message and a receiver for receiving a different radiated message and includes patents for such systems and stations in which it cannot be determined from the claims whether or not simultaneous transmission and reception takes place. If the claims include subject matter which is especially provided to prevent simultaneous transmission and reception, the patent is excluded from this and the indented subclasses and will be found in this Class (343), subclass 200 + and in Class 250, RADIANT ENERGY, subclasses 6, 8, 13. See subclass 200 + for stations and systems which include a station having a transmitter and a receiver which may not be used simultaneously, the station or system being designed to simultaneously radiate or receive a plurality of radiated messages (e. g., multiplex). In Class 250, RADIANT ENERGY, see subclass 6 of Class 250 for such systems which include a plurality of stations where the message radiated is a telephone message, subclass 8 for such systems which include a plurality of stations where the message is a telegraph signal, and subclass 13 for such single stations having a transmitter and a receiver. The systems and stations in subclasses 6, 8, 13 of Class 250 are sometimes referred to as "push-to-talk" systems and stations.

This and the indented subclasses (175 +) include stations having apparatus therein so that the operation may be optionally converted from simultaneous transmission and reception to alternate transmission and reception.

(4) Note.—This and the indented subclasses include those patents relating to systems having a station, and to stations in which transmission and reception take place alternately at a rate exceeding the frequency of the signals. Such systems and stations are known as "time division" systems and stations, and the transmission and reception is considered to be simultaneous for the purpose of classification. See especially indented subclass 178.

(5) Note.—This and the indented subclasses include systems involving a plurality of stations. In such systems, at least one of the stations must transmit and receive different messages. Also included are single stations for transmitting and receiving different messages.

(6) Note.—This and the indented subclasses include duplex stations and systems which include a duplex station.

(7) Note.—This and the indented subclasses include those patents relating to a station wherein the transmitted signal is heard as sidetone (as in the ordinary telephone system) in the receiver located at the same geographic location as the transmitter. The station may be provided with means to neutralize in the receiver a part or all of the transmitter energy.

(8) Note.—This and the indented subclasses do not provide for a station having a transmitter for transmitting a signal and a receiver for a different signal where the receiver merely controls the

transmitter and has no message receiving function. See this class, subclass 227 for this excluded subject matter where the signal which controls the transmitter is a radio signal.

To complete the search for this subject matter, search
Subclass—
100 + —see especially subclass 100, where the station or system includes radiating means or receiving means for radiant energy which is polarized or is characterized by a directive quality. Note that subclass 100 includes duplex systems having the receiving and transmitting antennae so placed that due to directional or polarization effects interference between the transmitter and receiver is reduced so that simultaneous transmission and reception may be conducted.
200 + —see (3) Note, above.

Class:
178—TELEGRAPHY, subclass 7.1 +, for radiant energy duplex facsimile transmitter-receiver stations.
250—RADIANT ENERGY, subclasses 6, 8, 13, see (3) Note above; subclass 15, for radio repeater stations for receiving and retransmitting the same message including such stations provided with means for adding a different message for transmission, also see subclasses 6 and 15, for systems which include a repeater station and a duplex station, and subclass 33.69, for antennae systems (one or more antennae) with coupling means for coupling a transmitter and a receiver to the antennae. In the antennae systems in subclass 33.69, the transmitter and receiver may be recited by name only. Excluded from subclass 33.69 are coupling networks which include an active network (i. e., a network containing one or more sources of energy other than the mere input). Such excluded antennae systems are in this and the indented subclasses if the claimed subject matter is otherwise within the scope of the subclasses.

Search this class, subclass—
5 + —for systems utilizing reflected (e. g., radar) or otherwise returned radiant energy. Note that subclass 5 + includes systems having a station for radiating energy to a reflecting object or to a "transponder" and a receiver at the station for receiving the returned energy. A transponder is a device for receiving a signal and transmitting a return signal in response to the reception of the signal.

Search Class—
178—TELEGRAPHY, subclass 44, for wave transmission systems using a conductive line or a wave guide designed to transmit high frequency signaling waves, for wave filters, and for coupling networks. Included in subclass 44 are systems for connecting a two wire line (e. g., land line telephone system) to a four wire line (e. g., lines for a radio transmitter and receiver), and systems for preventing interference between messages traveling in opposite directions (e. g., anti-singing). See subclass 58 + for duplex telegraph systems. Subclass 58 + of Class 178 is the generic subclass for such systems having a duplex station and for duplex stations and includes such systems where the claims are not limited to radiant energy transmission or reception even though the sole disclosure is a radio or radiant energy system. Merely reciting a radio transmitter and a radio receiver is not sufficient to cause classification in these subclasses in Class 343. See the notes to the class definition for a statement as to the line between Class 343 and the other signaling classes including Class 178.
179—TELEPHONY, subclass 15, for telephone duplex stations and systems which are provided with means for preventing interference between the transmitted and received signal. Note that subclass 15 provides for such duplex systems where the claims are not limited to radiant energy transmission or reception even though the sole disclosure is that the system is a radio or other radiant energy system. For telephone duplex systems having no means to prevent interference between the transmitted and received signal, see the other appropriate subclasses of Class 179 and also see subclass 6 of Class 250 where high frequency energy is used to transmit the signals, but the systems are not limited to use with radiant energy.
250—RADIANT ENERGY, subclass 6 for duplex high frequency telephone systems. See the reference to Class 179, TELEPHONY, above.

176. Subject matter under subclass 175 wherein means are provided at a station so that the station may simultaneously radiate and/or receive a plurality of radiated messages (e. g., duplex-multiplex).
(1) Note.—A station which (1) transmits simultaneously a plurality of different messages and concurrently therewith receives one other message, or (2) receives simultaneously a plurality of different messages and concurrently therewith transmits one other message, or (3) transmits simultaneously a plurality of different messages and concurrently receives a plurality of different messages is classified in this subclass.
If a plurality of stations are claimed, only one station need be of the type set forth in the preceding paragraph.
(2) Note.—Transmission or reception may be by means of (1) a plurality of radiated carriers, or (2) a single radiated carrier bearing a plurality of separate messages or sub-carriers bearing separate messages, or (3) one or more radiated sidebands bearing a plurality of separate messages, the main carrier or carriers having been suppressed, or (4) means may be provided at the station for "time division" operation between the plural transmitters and/or between the plural receivers.

Search this class, subclass—
200 + —for stations and systems which include a station designed to simultaneously radiate or receive a plurality of radiated messages (e. g., multiplex), see especially subclass 205 +, for receivers having means for simultaneously receiving a plurality of messages, and subclass 207 +, for transmitters having means for simultaneously transmitting a plurality of messages.

Search Class—
178—TELEGRAPHY, subclass 50 +, for telegraph systems having means for the simultaneous transmission and reception of a plurality of telegraph messages over wire lines, or by means of high frequency waves. See the reference to Class 178 in the notes to the definition of subclass 175.
179—TELEPHONY, subclass 15, for telephone systems of this type where the claims are not limited to radiant energy even though the sole disclosure may be a radiant energy system.
250—RADIANT ENERGY, subclass 15, for radiant energy repeater stations which have means for receiving and retransmitting plural messages or which receive and retransmit a single message and have additional means to receive and/or transmit a different message or messages.

177. Subject matter under subclass 175 having means at a station (1) for maintaining the station in a stand-by condition when not in use for inter-communication and having means designed so that an incoming carrier or calling signal may place the station in condition for inter-communication, or (2) for radiating station selective or calling signals or (3) to apprise the station that a calling station desires to communicate with it, or (4) to apprise a calling station of the operating condition of the called station, or vice versa.
(1) Note.—The partially operative or standby station may have (1) means to energize or to render operative the station transmitter and/or receiver in response to an incoming carrier or (2) means to shift the tuning of receiver and/or transmitter in response to an incoming carrier or (3) means to cyclically condition the receiver for reception with low power, and to fully energize the transmitter and/or receiver in response to the reception of an incoming wave.
(2) Note.—The supervisory signal may be the mere presence of a particular carrier which may also bear the message provided the carrier is designed to control a supervisory function at a station.

Search this class, subclass—
225 + —and the classes and subclasses specified in the notes thereto for miscellaneous radiant energy systems utilizing a signal for control purposes (such as controlling a standby receiver).

Search Class—
177—ELECTRIC SIGNALING, appropriate subclasses, for the miscellaneous electric signaling systems provided with supervisory signaling means and for the miscellaneous supervisory signaling systems. See especially subclasses 331 +, 340 +, and 353, for station selective signaling systems, subclasses 334 and 375, for signaling systems with answer-back means.
178—TELEGRAPHY, subclass 2 +, for telegraph systems having supervisory signals. See particularly subclass 69.6 for telegraph calling systems.
179—TELEPHONY, appropriate subclasses, especially subclasses 5.5, 7 + and 16 +, for telephone systems having supervisory signals. See particularly subclass 84 + for telephone calling systems.
250—RADIANT ENERGY, subclass 6, for high frequency telephone systems including radiant energy systems which include supervisory signaling means, subclass 8, for the corresponding high frequency telegraph systems, subclass 20, for radio receivers of the stand-by type.

178. Subject matter under subclass 175 having means for causing transmission and reception at the station to occur alternately at a rate exceeding the frequency of the signals being transmitted and received.

(1) Note.—In the art, alternate cyclic allotment of transmitting and receiving intervals is termed "time division" operation when the frequency of the cyclic alternate transmitting and receiving intervals exceeds the highest signal frequency being used. In stations and systems of this type the transmission of the message is cyclically interrupted and during the cyclic transmission interruption intervals the incoming message is received and vice versa. The rate of occurrence of the cyclic interruption must be such that no appreciable portions of a substantially continuous outgoing or incoming message (such as speech) is lost.
(2) Note.—Since the alternate transmission and reception intervals in the systems of this subclass occur at such a rate that there is no substantial loss of either transmitted or received intelligence, the transmission and reception may be termed simultaneous.
(3) Note.—Radiant energy stations and systems having means for alternate transmission and reception are not in this subclass if (1) the cycles of alternate transmission and reception are of such length that an appreciable portion of substantially continuous incoming and outgoing messages, such as speech, would be lost if the incoming and outgoing messages were applied continuously to the transmitter and the receiver or (2) the alternate transmission and reception is not cyclic but rather is manually controlled or (3) means are proved to permit either transmission or reception but not both simultaneously (e. g., so-called "push-to-talk" systems).
Systems of the type enumerated in the preceding paragraph may be found in Class 250, subclass 6 for telephone systems, subclass 8 for telegraph systems, and subclass 13 for single stations.

Search this class, subclass—
204—for time division multiplex radiant energy systems.

Search Class—
178—TELEGRAPHY, subclasses 2, 58 +, and 63, for time division duplex telegraphy systems and stations.
179—TELEPHONY, subclass 15, for time division duplex telephone systems.
250—RADIANT ENERGY, subclasses 6, 8, 13, see (3) Note, above.

179. Subject matter under subclass 175 having means for synchronizing the operation or controlling the frequency of apparatus at one station with apparatus at another station by means of a signal which is radiated from one station to the other.
(1) Note.—The synchronizing or control signal may be (1) radiated on the same wave as the message signal, or (2) transmitted by a separate radiated wave or (3) the radiated message wave itself (no separate synchronizing or control signal being required).
(2) Note.—The incoming wave or signal may (1) control the generation of a wave which is utilized in the receiver portion of the station (e. g., such as controlling a heterodyning oscillator) or (2) control the generation of the message carrying waves radiated from the receiving station or (3) otherwise control the synchronization of apparatus at one station with apparatus at one or more other stations.

To complete the search for this subject matter, search
Subclass—
178—for time division systems and stations under subclass 175 having means for synchronizing the operation of the time-dividing apparatus at one station with apparatus at another station.

Search this class, subclass—
225 + —and the classes and subclasses specified in the notes thereto for miscellaneous radiant energy systems utilizing a signal for control purposes (e. g., such as controlling the frequency of a transmitter or receiver).

Search Class—
178—TELEGRAPHY, subclass 69.5, for miscellaneous synchronizing systems and apparatus for telegraph systems.

180. Stations under subclass 175 having means to reduce, neutralize, or prevent any transfer of unwanted communication energy between the transmitter and receiver so that the transmission energy (e. g., carrier or message signal) does not adversely affect the receiver, or so that the received communication energy does not adversely affect the transmitter.
(1) Note.—Means may be provided to feed a portion of the transmission energy to the receiver, or a portion of the received energy to the transmitter for monitoring (e. g., side tone) or heterodyning.
(2) Note.—Stations wherein transmitter and receiver interaction is prevented by means of directive or polarized antenna are not in this subclass. For subject matter of this type see subclass 100 +.
(3) Note.—The systems and stations in this subclass do not include antenna systems with means to couple the transmitter and receiver to the antenna system where the coupling means does not include an active network or where no significant structure or circuits of the transmitter or receiver are recited. An active network is defined for the purpose of classification as a network whose energy output is modified due to the presence of a source of energy (i. e., an active element) in the network (other than the mere signal energy which passes through the network) or a network in which the energy output from a source of energy (i. e., the active element) is controlled by the signal input. This excluded subject matter is classified in Class 250, RADIANT ENERGY, subclass 33.69.
This subclass (180) therefore provides for systems and stations within the subclass definition where there is significant transmitter or receiver circuit or structure or where the coupling network between the antenna and the transmitter or receiver includes an active element.

To complete the search for this subject matter, search
Subclass—
100 + —see (2) Note, above.

Search Class—
178—TELEGRAPHY, subclass 44, for wave filters and networks for preventing or reducing interaction between two circuits (e. g., such as echo suppressors), and subclass 58 +, for telegraph duplex systems including such systems as use high frequency waves with means for preventing or reducing interaction between the transmitter and receiver circuits.
179—TELEPHONY, subclass 15, for telephone systems including those which use high frequency waves with means for preventing or reducing interaction between the transmitter and receiver circuits, subclass 78 and the subclasses specified in the notes thereto for anti-inductive telephone systems, subclass 81, for substation circuits with anti-sidetone means, and subclass 170, for two way telephone repeater systems which are provided with means to prevent interaction (e. g., anti-singing) between messages traveling in opposite directions or between the two circuits.
250—RADIANT ENERGY, subclasses 6, 8, 13, for radio signaling stations and systems including a station where the station is provided with transmitter and receiver means, and has means to prevent simultaneous transmission and reception. See subclass 6 for telephone systems, subclass 8 for telegraph systems, and subclass 13 for single stations. See (3) Note to the definition of subclass 175 of this class (343) for the line between this subclass and subclasses 6, 8, 13 of Class 250. See subclass 33.69 of Class 250 for antenna systems with means to couple a transmitter and a receiver to the system. See (3) Note, above for the line between subclass 33.69 of Class 250 and this subclass.

181. Subject matter under subclass 175 in which the transmitting and receiving means have, in common, a space discharge device.
(1) Note.—Space discharge device includes, inter alia, vacuum tubes, gas tubes, spark gaps, cathode ray tubes and magnetrons.

Search Class—
250—RADIANT ENERGY, subclass 13, for stations which include transmitter means and a receiver means and which are provided with means to prevent simultaneous transmission and reception and which have a space discharge device in common. Included in subclass 13 are transceivers and transmitter and receiver units which have a "T-R box".

200. Subject matter under the class definition involving one or a combination of the following:
(1) Systems having means for simultaneously transmitting a plurality of radiated waves each of which carries one or more separate messages, and/or receiving means for the messages on such radiated waves.
(2) Systems having a transmitter for transmitting a radiated wave which is simultaneously modulated by a plurality of separate messages, and/or receiving means for the messages on such radiated waves.
(3) Miscellaneous systems not otherwise classified having means for simultaneously transmitting a plurality of radiated waves and/or receiving means for the waves.
(1) Note.—The term "multiplex" is used to distinguish the systems, transmitter and receivers included in this and the indented subclasses.
(2) Note.—The receivers for the various different messages need not be at a common location but may be geographically displaced from each other. In some cases, plural receivers are connected to a common antenna and in other cases the different receivers each have an individual antenna.

(3) Note.—The transmitters for the plural different radiated messages may be geographically displaced but they must have some operational cooperation between them such as a common phase or frequency control, common message distributor, common operating time control (in time division), etc., to be classified in this and indented subclasses.

Patents which claim only a plurality of geographically spaced transmitters which are connected to a common power distribution system solely for the purpose of obtaining operating power, no significant message transmitting apparatus being claimed, are excluded from this and the indented subclasses. This excluded subject matter may be found in Class 250, subclasses 6 and 17. In some cases, the transmitter may be connected to a common antenna, and in other cases, the different transmitters may be connected to individual antenna.

(4) Note.—Systems having one or more of the stations capable of transmitting or receiving only a single message are included if the system includes in addition other station means for receiving a plurality of separate messages. For example, plural messages may be transmitted to a plurality of separate receivers, each receiver receiving only one message. Also, receiver systems for receiving at one station a plurality of messages transmitted from separate transmitters (e. g., apartment house antenna-receiver systems) are included.

(5) Note.—This and the indented subclasses include those patents relating to systems in which the transmission of the plural messages takes place alternately at a rate exceeding the frequency of the signals. Such systems are known as "time division" systems, and the transmission of the message is considered to be simultaneous for the purpose of classification. See especially indented subclass 204.

(6) Note.—If the subject matter claimed limits the system to means for transmitting a complete single message or the same message on a plurality of radiated waves or means for transmitting portions of a single message on a plurality of radiated waves the subject matter is excluded from this and indented subclasses. See Notes 7, 8, 9, and 10.

(7) Note.—If the claimed subject matter is directed to a secrecy system having means for radiating and/or receiving a signal and an accompanying masking signal (usually referred to as a noise signal) the subject matter is excluded from this and indented subclasses providing the claimed system includes means to supply an unintelligible masking noise or coding signal, and/or means at the receiver to separate the message signal from and to eliminate the masking noise or coding signal. A secrecy system is included in this subclass if (1) the "noise" or coding signal is another message signal from which communication intelligence may be derived at the receiver. See (10) Note below for other "secrecy" systems included in this and the indented subclasses. The secrecy systems, transmitters, and receivers excluded from this subclass may be found in Class 250, subclasses 6, 8, and 10 if they are limited to radiant energy or high frequency wave transmission; in Class 178, subclass 5.1, if they are directed to a facsimile or television system irrespective of whether or not they are claimed as including radiant energy transmission; in Class 178, subclass 22, if they are directed to secret telegraph systems which are not limited to radiant energy transmission although the sole disclosure may be directed to a radiant energy system; or Class 179, subclass 1.5, if they are directed to a secret telephone system and are not limited to radiant energy transmission irrespective of the fact that the sole disclosure may be a radiant energy system.

(8) Note.—If the subject matter claimed is limited to the transmission and reception of a single message by a plurality of waves (e. g., diversity systems, cooperative wave systems, etc.) the subject matter is excluded from this and indented subclasses.

Diversity systems, i. e., systems having a plurality of receivers for the same message and having means at the receiver station to select the receiver which is receiving best at any particular time may be found in Class 250, subclass 6, for telephone systems, 8 for telegraph systems, and 20 for the receiver systems, per se.

Cooperative wave systems, i. e., systems having means to transmit a single message on a plurality of dissimilar waves and means to receive the dissimilar waves and reconstitute the message by joint action of the incoming waves may be found in Class 250, subclass 10. See also Note (7).

See (10) Note below for the "diversity" and "cooperative wave systems" included in this and the indented subclasses.

(9) Note.—Systems wherein the claimed subject matter is directed to a plurality of separate transmitters, all of which transmit the same message (e. g., such as broadcast network systems broadcasting the same program) are not included in this or the indented subclasses. See (6) Note above.

(10) Note.—Where the claimed subject matter of the system includes only the portion of the transmitter or transmitters necessary to transmit the plural radiated waves and/or the portion of the receiver or receivers to receive said radiated waves, and these portions of the system are analogous to and useful for the subject matter of this and indented subclasses, the patent is classified herein even though the disclosure is intended for another purpose such as transmitting only a single message (e. g., diversity, secrecy or cooperative wave systems). Also included in this and indented subclasses are stations and systems which include means for simultaneously transmitting and/or receiving plural separate messages by diversity or cooperative wave operation.

(11) Note.—The stations and systems comprising the subject matter of this and indented subclasses may include means for synchronizing the operation of the plural transmitters and/or receivers.

To complete the search for this subject matter, search

Subclass—

100 +—for multiplex systems, transmitters and receivers which utilize a polarized radiant energy wave or a radiant energy wave which is characterized by a directive quality, see subclass 101 for beacon systems which include means for simultaneously transmitting a plurality of waves (e. g., Loran systems, A and N systems) or signals, see subclass 112 for position finding receivers and subclass 113 for direction finding receivers designed to simultaneously receive a plurality of waves or signals.

176—for multiplex radiant energy stations and systems which include a station which is designed so that it may simultaneously transmit and receive different messages, the station being designed so that it will transmit a plurality of different messages while receiving and/or receive a plurality of different messages while transmitting.

Class—

178—TELEGRAPHY, subclass 5 +, for facsimile systems transmitters and receivers wherein a plurality of signals are simultaneously transmitted and/or received including those where radiant energy is utilized for the transmission, see especially subclass 5.2 + for natural color facsimile including those where separate color images are transmitted, subclass 5.6 + where both an image and a message (e. g., sound) are transmitted, subclass 6 + where the system involves optical means and a plurality of images are transmitted; and subclass 6.5 for stereoscopic facsimile systems.

250—RADIANT ENERGY, subclasses 6 and 15, for repeater stations and systems which include a repeater station for retransmitting a plurality of received messages.

Search Class—

178—TELEGRAPHY (see the reference to Class 178, above), subclass 5.1, for facsimile secrecy systems, subclass 22, for secret telegraph systems, subclass 47 +, for harmonic or reed type multiplex telegraph systems, subclass 49, for multiplex telegraph systems using currents of different character, subclass 50 +, for miscellaneous multiplex telegraph systems. Note that the subclasses in Class 178, provide for telegraph signaling systems using high or radio frequency currents even though the sole disclosure is that the system is a radiant energy system. Where the claimed subject matter (other than the facsimile systems in subclass 5 + of Class 178) is limited to using radiant energy (see the class definition of Class 343), the system is included in Class 343. All facsimile systems (178/5 +) are classified in Class 178 regardless of the mode of transmission of the electrical energy. See subclass 44 for transmission lines for transmitting multiplex signals, and subclasses 53 and 69.5, for synchronizing systems and means designed for use in multiplex telegraph signaling.

179—TELEPHONY, subclass 1.5, for secret telephone systems, subclasses 2.5 and 3 +, for combined telephone and telegraph systems, subclass 15, for telephone multiplex systems, subclasses 1.5, 2.5, 3 + and 15 provide for telephone systems of the type classified in the particular subclasses capable of use in either wired or wireless (e. g., radiant energy) systems unless the claims are limited to radiant energy transmission of the message. See the class definition of Class 343 for examples of subject matter which limit the system to use with radiant energy.

250—RADIANT ENERGY, subclass 6, for radio telephone secrecy systems and for radio systems wherein the same message is transmitted by a plurality of transmitters and for binaural systems, subclass 7, for multiplex systems where the messages are transmitted by light waves; subclass 8, for radio telegraph secrecy systems, subclass 10, for cooperative wave radio systems (e. g., systems wherein different parts of the same message are transmitted by different waves), subclass 15, for repeater stations (see the reference to 250/15 above), subclass 20, for diversity receivers (e. g., plural receivers for receiving the same message, the receiver receiving the strongest signal being operative), subclass 27, for electronic tube type channel switching systems (e. g., electronic tube distributors) which may be used in multiplex signaling systems.

332—MODULATORS, subclass 9 +, for multiplex pulse modulators, subclass 21, for multiplex phase or frequency modulators, and subclass 40, for multiplex amplitude modulators.

201. Subject matter under subclass 200 wherein at least one of the radiated messages is a telegraph message.

(1) Note.—For the definitions of a telegraph message see the definition of Class 178, TELEGRAPHY, and the notes thereunder.

(2) Note.—Multiplex transmitters and/or receivers per se which are specific to telegraph transmission or reception are herein classified. For multiplex radiant energy transmitters of general application see subclass 207 + of this class (343), and for multiplex radiant energy receivers of general application see subclass 205 + of this class (343).

To complete the search for this subject matter, search

Class—

178—TELEGRAPHY, subclass 5 +, for telegraph radiant energy multiplex systems, transmitters, and/or receivers designed to transmit and/or reproduce images. For a more specific statement of the subject matter in subclass 5 + of Class 178 see the reference to Class 178, subclass 5 + in the search notes to subclass 200 of this class (343).

Search Class—

178—TELEGRAPHY, subclass 22, for secret multiplex telegraph systems, subclass 47 +, for harmonic or reed type multiplex telegraph systems, subclass 49, for multiplex telegraph systems using currents of different character, subclass 50 +, for miscellaneous multiplex telegraph systems and subclass 66, for single channel carrier telegraph systems. Note that the subclasses in Class 178 provide for telegraph signaling systems using high or radio frequency waves even if the sole disclosure is a radiant energy system. If however, the claimed subject matter is limited to radiant energy (see the class definition of Class 343) the system is included in Class 343.

250—RADIANT ENERGY, subclass 8 +, for single message radiant energy telegraph systems.

202. Subject matter under subclass 201 wherein at least one of the radiated messages is a non-telegraphic message (e. g., speech).

(1) Note.—This subclass includes multiplex transmitters and receivers per se which are specific to the subject matter of this class. Analogous multiplex transmitters of general application may be found in subclass 207 + of this class (343) and multiplex receivers of general application may be found in subclass 205 + of this class (343).

To complete the search for this subject matter, search

Class—

178—TELEGRAPHY, subclass 5.6, for telegraph radiant energy systems, transmitters and/or receivers designed to transmit and/or reproduce images and which include means for transmitting and/or receiving sound or other intelligence simultaneously with the facsimile message. See the reference to Class 178 subclass 5 + in the search notes to subclass 200 + above for a statement relative to other radiant energy facsimile systems of the multiplex type in Class 178.

179—TELEPHONY, subclass 2 +, for miscellaneous composite telephone systems (e. g., telephone and telegraph, telephone and alarm, etc.). See subclass 2.5, for such composite telephone systems in which a carrier wave is used to transmit the telephone message, subclass 3 +, for combined telephone and telegraph systems, and subclass 5, for combined telephone and specific alarm systems. Note that the appropriate subclasses in Class 179 provide high or radio frequency signaling systems not limited by claimed subject matter to radiant energy transmission even if the sole disclosure is a radiant energy system. If however, the claimed subject matter is limited to radiant energy (see the class definition of Class 343) the system is included in Class 343.

203. Subject matter under subclass 200 wherein means are provided to transmit and/or receive the messages as pulse modulated waves.

(1) Note.—A pulse modulated wave for purposes of classification in this subclass is a wave derived from a recurrent series of pulses in which a characteristic (e. g., amplitude, width, slope, shape, spacing, etc.) of successive pulses is varied in accordance with instantaneous successive valves of the intelligence. The term pulse modulated wave is deemed to include pulse code modulation.

(2) Note.—Transmitters and receivers specific to the subject matter of this subclass are included herein.

Search Class—

178—TELEGRAPHY, subclass 43.5, for telegraph systems wherein the message signal in the form of a continuously varying wave is converted into a pulse modulated wave for transmission and reconverted into a continuously varying wave at the receiver, and subclass 50 +, for multiplex telegraph systems, transmitters, and/or receivers. Note that conventional permutation code telegraph signals are analogous to pulse code modulated signals. Subclass 50 + provides for high frequency multiplex telegraph systems even if the sole disclosure is a radiant energy system. If the radiant energy system is claimed the patent is in subclass 201 + of Class 343.

179—TELEPHONY, subclass 15, for pulse modulated multiplex telephone systems, transmitters and/or receivers, and subclass 15.6, for a single channel pulse modulated system. Subclass 15 provides for high or radio frequency multiplex telephone systems even if the sole disclosure is a radiant energy system but is not so limited as claimed.

332—MODULATORS, subclass 9 +, for multiplex pulse modulators, per se.

204. Subject matter under subclass 200 wherein stations or systems having a plurality of message channels for carrying a plurality of separate message signal trains are provided with means for periodically interrupting each message signal train and interposing during the interrupted periods of the message signal trains a portion of another one of the message signal trains, the frequency of message signal train interruption being greater than the highest frequency present in the message signal train.

(1) Note.—The systems, transmitters and receivers in this subclass are sometimes known as "time division" systems, transmitters or receivers.

(2) Note.—The message channels may be at the transmitter and/or the receiver. Some parts of the transmitter or receiver may be common to the different message channels. For example, two different microphones may be connected to the same modulator, the outputs of the microphones being connected alternately to the modulator.

(3) Note.—Each message signal train may be composed of plural messages. For example, there may be two simultaneous messages on different frequencies in each signal train, the different signal trains then being connected at different times to the transmission medium so that the system operates as a frequency division time divided system.

(4) Note.—The means for interrupting each signal train may be a mechanical switch, a relay system, an electronic tube system. The interrupting means need not open the circuit of the message channel, but may disable it periodically by any suitable means, such as applying a blocking bias to or short circuiting the channel.

(5) Note.—The periods of connection of the different channels need not be of equal order. For example, one channel may be connected for one period and another be connected twice as often.

(6) Note.—The stations or systems classifiable in this subclass may include means to synchronize the transmitting equipment or a portion thereof with the receiving equipment or a portion thereof.

(7) Note.—Transmitters and receivers per se, specific to the subject matter of this subclass are classified herein.

Search this class, subclass—

178—for time division duplex systems.

Search Class—

178—TELEGRAPHY, subclass 51 +, for multiplex time division telegraph systems, transmitters and receivers. Subclass 51 + provides for high or radio frequency telegraph systems, transmitters and receivers even though the sole disclosure relates to radiant energy but the claims are not limited to radiant energy.

179—TELEPHONY, subclass 15, for multiplex time division telephone systems, transmitters and receivers. Subclass 15 provides for high or radio frequency systems, transmitters and receivers including patents whose sole disclosure is directed to radiant energy but the claims are not limited to radiant energy.

205. Subject matter under subclass 200 having (1) means for simultaneously receiving a plurality of radiated waves each of which carries one or more separate messages, or (2) means for receiving a single radiated wave bearing a plurality of simultaneous messages or (3) means not otherwise classifiable for

simultaneously receiving a plurality of radiated waves, and which are not provided in subclasses 201 to 204 above.

(1) Note.—Receivers for plural messages or plural waves are excluded from this and indented subclasses when they are restricted by claimed subject matter to use in systems which are provided for in other classes or subclasses. Receivers limited to use in particular type systems are usually either classified in the same class or subclass with the particular system or in subclasses especially provided for the particular type receiver. For example, radiant energy multiplex telegraph receivers are classified in subclass 201+ of this class, receivers for receiving a facsimile message and a sound message are classified in Class 178, TELEGRAPHY, in subclass 5.4, and radio receivers of the cooperative wave type are classified in Class 250, RADIANT ENERGY, subclass 10.

For the other classes and subclasses which provide for receivers for plural messages, see the search notes to subclass 200+ above.

(2) Note.—The receivers in this and indented subclass may be connected to a common antenna or to a plurality of separate antennae. The antennae may be of diverse types. Note that receivers limited to use with radiant energy which is characterized by some quality that varies according to the direction, position, and/or plane of polarization of the receiver (e. g., having a directive antenna, direction finding receivers) are classified in subclass 100+ of this class. See subclass 113+ for direction finding receivers.

If no significant receiver structure is claimed and no active elements are included in the antenna coupling network, the patent is excluded from this and the indented subclass and will be found in Class 250, subclass 33.69.

(3) Note.—This and the indented subclass include receiving systems wherein a plurality of receivers are connected to one or more antennae, and a receiver may select any one of the incoming messages while another receiver may select another of the messages (e. g., apartment house or hotel radio program distribution systems). If the radiant energy subject matter (e. g., the antenna) is not claimed, the patent is excluded and will be found in Class 178, TELEGRAPHY, subclass 50+, where the messages are telegraph messages, or in Class 179, TELEPHONY, subclass 2.5 if the messages are distributed over a system also utilized for other purposes (e. g., electric lighting circuit, power circuit, etc.) or in subclass 15 as a telephone multiplex system.

(4) Note.—Receiving systems are included in this subclass wherein the circuit between the antenna or antennae and the signal reproducers (e. g., speakers) include a detector or detectors so that the demodulated audio frequency messages (as distinguished from the message modulated wave or intermediate frequencies) are distributed to the receivers. This subclass also includes systems where the received modulated waves are distributed to the several receivers subject to the limitations of (2) Note above and if the system does not have a common radio frequency amplifier or common heterodyning stage for a plurality of the receivers. See indented subclass 206 where the system has a common radio frequency amplifier or heterodyning stage.

To complete the search for this subject matter, search—

The classes and subclasses, specified in the search notes to subclass 200. Also see (1) Note above.

Search this class, subclass—

200+—see (1) Note above.
201+—see (1) Note above.
100+—see (2) Note above.
113+—see (2) Note above.
206—see (4) Note above.

Search Class—

178—TELEGRAPHY, subclass 5.4, see (1) Note above, subclass 50+, for multiple message telegraph receivers, see (4) Note above, and subclass 88+, for single message telegraph receivers. The subclasses enumerated provide for receivers disclosed as being intended for use with radiant energy but the claims are not so limited.

179—TELEPHONY, subclass 2+, for composite telephone and non-telephone receivers, subclass 2.5 see (3) Note above, subclass 15, for multiple message telephone receivers, see (4) Note above. The subclasses set forth provide for patents disclosing radiant energy systems but the claims thereof are not limited to radiant energy.

250—RADIANT ENERGY, subclass 8, for single message radiant energy telegraph receivers, subclass 10, see (1) Note above, subclass 20+, for single message radiant energy receivers; subclass 33.69, for antenna and antenna system with passive coupling circuits to correct a plurality of receivers to one or more antennas, see (2) Note above.

206. Subject matter under subclass 205 wherein the plural receivers have a common radio frequency or heterodyning stage.

(1) Note.—The common radio frequency stage may comprise (1) a radio frequency amplifier stage having broad band characteristics so as to amplify all of the incoming waves, or (2) a plurality of radio frequency amplifiers, one or more of which amplify a plurality of the incoming carrier waves, or (3) an amplifier for amplifying a wave which is modulated with a plurality of messages.

(2) Note.—The common heterodyne stage may comprise means to shift a plurality of the incoming carrier frequencies to one or more different carrier frequencies (e. g., intermediate frequencies).

Search Class—

179—TELEPHONY, subclass 171, for miscellaneous radio frequency amplifiers.

250—RADIANT ENERGY, subclass 20+, for radio receivers for single messages with frequency conversion means for the radio frequency message wave (e. g., with a heterodyne stage) and for such message wave frequency conversion systems (e. g., heterodyne), per se.

207. Subject matter under subclass 200 having (1) means for simultaneously radiating a plurality of waves each of which carries one or more separate messages, or (2) means for radiating a single wave carrying a plurality of simultaneous separate messages or (3) means not otherwise classifiable for simultaneously radiating a plurality of waves, and which are not provided for in subclasses 201 to 204.

(1) Note.—Transmitters and transmitter systems for plural messages or plural waves are excluded from this and indented subclasses when they are restricted by claimed subject matter to use in systems which are provided for in other classes or subclasses. Transmitters and transmitter systems limited to use in particular type systems are usually either classified in the same class or subclass with the particular system or in subclasses especially providing for the particular type transmitter or system. For example, radiant energy multiplex telegraph transmitters are classified in subclass 201+ of this class, transmitters for a facsimile message and a sound message are classified in Class 178, TELEGRAPHY, in subclass 5.4, and radio transmitters of the cooperative wave type are classified in Class 250, RADIANT ENERGY, subclass 10.

For the other classes and subclasses which provide for transmitters and transmitting systems for plural messages, see the search notes to subclass 200+ above.

(2) Note.—The transmitters in this and indented subclass may be connected to a common antenna or to a plurality of separate antennae. The antennae may be of diverse types. Note that transmitters limited to use with radiant energy which is characterized by some quality that varies according to the direction, position and/or plane of polarization of the transmitter and/or receiver (e. g., at least one transmitter having a directive antenna, radio beacons) are classified in subclass 100+ of this class. See subclass 101+, for beacons.

If no significant transmitter structure is claimed and no active elements are included in the antenna coupling network, the patent is excluded from this and the indented subclass and will be found in Class 250, subclass 33.69.

(3) Note.—Miscellaneous radiant energy transmitter for simultaneously transmitting a plurality of waves or messages are classified herein provided they are analogous to transmitters for simultaneously transmitting a plurality of messages.

To complete the search for this subject matter, search—

The classes and subclasses specified in the search notes to subclass 200+. Also see (1) Note above.

Search this class, subclass—

100+—see (2) Note above.
101+—see (2) Note above.
200+—see (1) Note above.
201+—see (1) Note above.

Search Class—

178—TELEGRAPHY, subclass 5.4, see (1) Note above, and subclass 50+, for multiple message telegraph transmitters. These subclasses provide for multiplex telegraph transmitters disclosed as being intended for use with radiant energy but the claims are not so limited.

179—TELEPHONY, subclass 2+, for composite telephone and non-telephone transmitters (e. g., telephone and telegraph), note especially subclass 2.5 where the telephone message is transmitted by means of a high frequency wave, and subclass 15, for multiple message telephone transmitter systems. The subclasses specified provide for patents disclosing radiant energy transmitter systems but having the claims not so limited.

250—RADIANT ENERGY, subclass 10, see (1) Note above, subclass 17+, for single message radio transmitters, subclass 33.69, for antenna and antenna systems with passive coupling networks to connect a plurality of transmitters to one or more antennas. See (2) Note above.

332—MODULATORS, subclass 9+, for multiplex pulse modulators, subclass 21, for multiplex phase or frequency modulators and subclass 40, for multiplex amplitude modulators.

208. Subject matter under subclass 207 wherein a separate transmitter and/or a separate antenna is provided for each of the plural messages to be simultaneously transmitted.

(1) Note.—Transmitters are considered to be separate if each is provided with an antenna. When the transmitter units are provided with separate stages (e. g., modulators, amplifiers, etc.), but the radio frequency wave from each unit is applied to a single antenna, the transmitters are not considered to be separate.

(2) Note.—The transmitters and/or antennas may be geographically displaced. The separate transmitters need not be electrically or mechanically connected.

(3) Note.—The separate transmitters classified herein may have means to control the phase and/or frequency of one transmitter with respect to another transmitter (e. g., different transmitters may operate on a different harmonic of the same frequency source or one transmitter may have an automatic frequency control which is responsive to the operating phase or frequency of another transmitter).

(4) Note.—Miscellaneous plural radiant energy transmitters designed to simultaneously radiate waves not otherwise provided for are classified herein providing they are analogous to plural transmitter systems for simultaneously transmitting a plurality of messages.

Search this class, subclass—

101+—for radio systems having a plurality of transmitters for transmitting radiant energy, the radiant energy being characterized by some quality that varies according to direction, position and/or plane of polarization of the transmitter and/or receiver (e. g., at least one transmitter having a directive antenna, or the transmitters constituting a radio beacon system).

Search Class—

250—RADIANT ENERGY, subclass 33.69, for an antenna or antenna system connected to plural transmitters by means of passive networks. See (2) Note to the definition of subclass 207.

225. Systems under the class definition provided with means to control a device or apparatus by means of a control signal, the controlling effect being for a purpose other than the operation of a signal producer, an indicator, signal reproducer to produce a signal or measuring instrument, and which are not otherwise classified.

(1) Note.—The control signal must not be merely the signal utilized to convey the message. Where the system includes means to control the signaling apparatus by means of the signaling current or voltage and no control signal in addition to the message signal is provided to effect a control function, the system is excluded from this and the indented subclasses. For example, a system having the volume of the received signal controlled only by some characteristic of the message signal is excluded from this and the indented subclass. Likewise systems having means for automatically tuning the receiver to a particular channel under the control only of some characteristic of the message signal are excluded from this and the indented subclass.

(2) Note.—Devices included as signal reproducers in the above definition include any device designed only to affect one or more of the senses of the human body (e. g., sound producer, light, etc.), devices designed to make a record of the signal, and devices for converting the signal current or voltage to current or voltage of another character. Devices included as signal producers in the above definition include any device (e. g., microphone, key, etc.) designed to produce a signal current or voltage.

(3) Note.—The limitations of the definition and notes above will not cause exclusion from this and the indented subclasses of radiant energy systems for controlling a signal transmitter or receiver where the control of the transmitter or receiver is not merely the production or reproduction of a signal. For example, systems for switching a transmitter or receiver on or off by means of a control signal are included. Also included are systems for controlling the tuning of the transmitter or receiver by means of a control signal other than the message signal.

(4) Note.—Included in indented subclass 226 are systems having means for the transmission and/or reception of a message by means of radiant energy and also means for the transmission and/or reception of a control signal for controlling some device in the system. This and the indented subclasses are the generic subclasses for systems for the radiant energy transmission of a coded message (e. g., telegraphy, telephony) in combination with the radiant energy control of an apparatus or device. In the systems in subclass 226, the non-signaling apparatus or device even though claimed by significant structure will not cause exclusion of the system from subclass 226. In the systems in subclass 226, the control signal need not be on a different frequency or of a different type of modulation, to be considered as a control signal. For example, a particular code interposed in the message signal for the purpose of effecting a control other than mere signal production or reproduction is classified in subclass 226. In some of the systems in subclass 226, the message is transmitted by radiant energy of one character and the control signal by radiant energy of another character.

(5) Note.—Particular types of radiant energy systems which include as a part of the system control means for some apparatus are classified with the particular system. For example, facsimile (e. g., television) systems, repeater systems, diversity wave systems, and multiplex systems with control means for some device in the system are classified with the particular system. For some of the classes and subclasses which provide for such other systems, see the search notes below.

(6) Note.—This is the generic subclass for systems having means for the control of a device or apparatus other than a signaling device by means of transmitted radiant energy, and provides only for such systems where the device or apparatus is so broadly defined in the claims as to afford no basis of classification in any other class. Merely defining the apparatus or device by name only, as an electric motor, will not be sufficient to cause classification in this class where another class provides for systems for controlling the named device or apparatus. See the classes referred to in the search notes in the class definition for some of the classes which provide for the control of an apparatus or device which is recited by name only.

As some systems utilizing radiant energy for the control of a non-signaling apparatus or device are classified on the basis of the radiant energy transmitted, reference should be made to the notes below with respect to such subject matter.

(7) Note.—As some radiant energy systems are classified on the basis of the type of radiant energy utilized, the following guide to the classification should be consulted:

Systems utilizing either visible or invisible light rays (e. g., ultra-violet, X-rays) for transmitting either telegraph or telephone signals in combination with means utilizing a separate control signal to control a device are classified in Class 250, subclass 7, irrespective of whether the control signal is transmitted by light rays or other radiant energy. Facsimile systems (e. g., television) are classified in Class 178, TELEGRAPHY, subclass 5+ where electrical circuits are involved, irrespective of whether or not the signals are transmitted by means of a conductive transmission path or by radiant energy.

Class 250, subclass 42+ is the generic subclass for invisible ray energy controlled electrical circuits for controlling devices and apparatus by means of invisible radiant energy where the device or apparatus is so broadly claimed as to form no basis of classification in any other class. The search notes to subclass 42 and the indented subclasses and the search notes to subclass 200 of Class 250 should be consulted for the classes which provide for the control of specific art devices and apparatus by means of either visible or invisible light.

Class 250, subclass 200+ is the generic subclass for photo-sensitive systems for controlling devices and apparatus. The search notes to these subclasses should be consulted as to the other classes which provide for the control of specific art devices by means of a photo-sensitive circuit.

The search notes to subclasses 42 and 200+ of Class 250 should be consulted for the classification of signaling systems other than telegraph or telephone systems in which either visible or invisible light rays are utilized for the transmission of the signals and which include an electrical circuit responsive to the light rays.

Systems utilizing compressional waves other than waves in the audible range for transmitting telegraph or telephone signals in combination with means utilizing a separate control signal to control a device are within the definition of this and indented subclass 226 irrespective of the type of radiant energy utilized to transmit the control signal.

Electrical telephone systems utilizing conductive transmission paths (e. g., wires) to transmit the message, or such systems utilizing both a conductive transmission path and audible sound for trans-

mission of the message, in combination with means utilizing a radiant energy transmitted control signal to control some device in the telephone system are classified in the appropriate subclass in Class 179, TELEPHONY.

Signaling systems other than telephone and telegraph systems utilizing both non-radiant electrical energy and compressional waves for transmitting the signal in combination with means utilizing a radiant energy transmitted control signal to control some device in the system are classified for the most part in Class 177, ELECTRIC SIGNALING. See especially subclass 386, for compressional wave submarine signaling systems and subclass 352, for the miscellaneous systems.

This subclass is the generic subclass for systems utilizing a compressional wave control signal for controlling a device or apparatus.

This and the indented subclass are the generic subclasses for all signaling systems utilizing radio waves for transmitting the signal in combination with means utilizing a separate control signal transmitted by radiant energy of any character to control a device or apparatus.

This and the indented subclasses are the generic subclasses for systems utilizing a control signal transmitted by radio waves to control a device or apparatus.

(8) Note.—Signaling systems not utilizing radiant energy for the transmission of the message (e. g., line wire systems) in combination with means utilizing a separate radiant energy transmitted control signal to control some device in the signaling system are excluded from this class and will be found in another signaling class. See the search notes below.

(9) Note.—For the other classes which provide for radiant energy systems for controlling specific devices and apparatus, see the classes listed under "Search Class" in the class definition.

*** To complete the search for this subject matter, search**

Subclass—

7—where the system is provided with means for utilizing reflected (e. g., radar) or otherwise returned radiant energy.

100 + —where the system utilizes radiant energy which is characterized by some quality that varies according to direction, position and/or plane of polarization. See subclass 117, for direction finding receivers in which the receiver automatically alters its directional characteristics to coincide with the received waves (e. g., self-orienting directional antenna receivers).

Class—

250—RADIANT ENERGY, subclasses 42 + and 200 +, for the miscellaneous systems for controlling a device by transmitted visible or invisible light energy. See (7) Note above.

Search Class—

177—ELECTRIC SIGNALING, appropriate subclass, for non-radiant energy electrical signaling systems and signal systems utilizing both compressional waves and non-radiant electrical energy to transmit the signal. See (7) Note and (8) Note above.

178—TELEGRAPHY, appropriate subclasses, for telegraph systems where the message is transmitted by non-radiant electrical energy, and subclass 5 +, for facsimile systems. See (7) Note and (8) Note above.

179—TELEPHONY, appropriate subclasses for telephone systems where the message is transmitted by non-radiant electrical energy. See (7) Note and (8) Note above.

226. Systems under subclass 225 in which the system is also provided with radiant energy means for the transmission and/or reception of a message in addition to the radiant energy means for the transmission and/or reception of the control signal for controlling some device in the system.

(1) Note.—Note especially (4) Note, (5) Note, and (7) Note, to the definition of subclass 225, for the systems included in this subclass.

(2) Note.—The device controlled need not be a device in the signaling system, but may be a separately operatable device, as a motor.

To complete the search for this subject matter, search

Subclass—

175 + —where the system is provided with means for the simultaneous transmission and reception of a signal at a single station (e. g., duplex), see especially subclass 177.

200 + —for such systems and stations which are provided with means for transmitting and/or receiving a supervisory signal (e. g., calling signal, busy signal, control signal), or where a station is in standby condition and is brought to operating condition by a received signal.

Class—

178—TELEGRAPHY, subclass 5 +, for facsimile systems (including television systems) in which the message is transmitted either by radiant energy or by other electrical means (e. g., wires) which include means to transmit a separate control signal by means of radiant energy to control some device in the system.

246—RAILWAY SWITCHES AND SIGNALS, subclass 7 +, for railway signal systems including a telegraph or telephone system for transmitting a message and means for transmitting a separate control signal for controlling some device in the system.

250—RADIANT ENERGY, subclass 7, for this subject matter where a telegraph or telephone message signal is transmitted by means of either visible or invisible light and a separate control signal is transmitted by radiant energy to control some device in the system, subclass 10 where the message signaling system is a cooperative wave system, subclass 12 where the message signaling system is a group frequency system, subclass 13, for systems involving a complete station, and subclass 15, for systems which include a repeater station.

Search Class—

179—TELEPHONY, subclass 2 +, for telephone systems provided with means for operating a non-signaling device by current or voltage transmitted over the telephone lines, see indented subclass 2.5 where a super-audible carrier current is used to transmit the telephone signals.

227. Subject matter under subclass 225 wherein the device controlled is a radio transmitter.

(1) Note.—In the systems in this subclass, the device controlled is considered to be a radio transmitter for this subclass only if the claims include some subject matter limiting the transmitter to use with radiant radio energy (e. g., antenna, means for radiating, etc.).

(2) Note.—See especially (3) Note, (5) Note, and (7) Note to the definitions of subclass 225.

To complete the search for this subject matter, search

Subclass—

226—where the system is also provided with means for the transmission of a message.

Class—

178—TELEGRAPHY, subclass 5 + where the transmitter controlled is a facsimile (e. g., television) transmitter.

250—RADIANT ENERGY, subclass 15 where the transmitter controlled is a part of a radio repeater station.

Search Class—

250—RADIANT ENERGY, subclass 17 where the device controlled is a signal transmitter for transmitting energy at a radio frequency, but the claimed subject matter does not limit the transmitter to radiating radio energy.

228. Subject matter under subclass 225 wherein the device controlled is a radio receiver.

(1) Note.—In the systems in this subclass, the device controlled is considered to be a radio receiver for this subclass only if the claims include some subject matter limited to use with radiant energy (e. g., antenna, means for radiating, etc.).

(2) Note.—See especially (1) Note, (3) Note, (5) Note, and (7) Note to the definition of subclass 225.

To complete the search for this subject matter, search

Subclass—

7—where the system is provided with means for utilizing reflected (radar) or otherwise returned energy.

117—where the receiver is a direction finding receiver with means for automatically altering the directional characteristics to coincide with the received waves (e. g., self-orienting directional antenna receivers).

226—where the receiver is also provided with means for the reception of a message.

Class—

178—TELEGRAPHY, subclass 5 + where the radio receiver controlled is a facsimile (e. g., television) receiver.

Search Class—

250—RADIANT ENERGY, subclass 20 where (1) the device controlled is a receiver for receiving radio frequency energy but the claimed subject matter does not limit the receiver to use in receiving radiated radio energy, and (2) the device controlled is a radio receiver which has some device in the receiver controlled by means of the message signal (e. g., automatic volume control by the message signal).

M. C. ROSA,
Executive Primary Examiner.

Classification Order No. 113

The following transfer from C. E. D. to Division 39 is hereby ordered to take effect Monday, October 8, 1951:

Class 137, Water Distribution—
Subclasses 9, 13, 21, 34–34.3, 53, 68–69.5, 73, 78, 79, 102, 104, 106, 111, 122, 137, 144, 148, 151, 153, 156–158, and 163–166.

M. C. ROSA,
Oct. 1, 1951. *Executive Primary Examiner.*

Classification Order No. 114

The following transfer is hereby ordered to take effect Monday, October 15, 1951:

Class 40, Card, Picture and Sign Exhibiting—
all subclasses, except 125 to 145, from Division 42 to Division 48.

M. C. ROSA,
Oct. 9, 1951. *Executive Primary Examiner.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,544,192. Adjustable Block Gauge. Patented Mar. 6, 1951. Block type gauge, which is capable of adjustment and variation in assembly, includes a base block and an upper block with an associated micrometer arrangement for adjusting the upper block toward and away from the base block. A pair of scriber arms is detachably secured to each arm. The lower threaded end of the micrometer spindle engages a threaded bore in an upright guide block centrally mounted on the base block so that the spindle will move endwise when rotated. (Owner) Irving Tornansky, 792 Asylum Ave., Hartford, Conn. Group 35—43—65. Reg. No. 45,211.

Pat. 2,416,943. Connector for Conductor Wires. Patented Mar. 4, 1947. Connector comprises a body member of insulating material having a reduced threaded end portion to receive a metal-lined threaded cup-shaped cap. The body member has an axial passage therethrough and at least one external longitudinal groove in the reduced portion. Conductor wires with the insulation removed from the ends are inserted into the passage and the bare ends bent over the end of the reduced portion and pressed into the groove. The cap is then screwed onto the reduced portion to clamp and maintain the wires against separation under strain and also maintain proper electrical connection between them. (Owner) John Nicolazzo, 365 Stratford Ave., Bridgeport, Conn. Group 36—11. Reg. No. 45,212.

Pat. 2,435,794. Fused Wall Outlet Box. Patented Feb. 10, 1948. Outlet box to be installed in a recess in the wall of a room contains a protective fuse and a standard outlet receptacle so that, in case a short circuit or overload is applied to the receptacle, the fuse will blow without affecting operation of other receptacles on the same circuit. The fuse is gripped at opposite ends by a pair of U-shaped spring clips secured to insulating blocks mounted inside the box. (Owner) The Jos-Nic Company. Correspondence to John J. Nicolazzo, 365 Stratford Ave., Bridgeport, Conn. Group 36—11. Reg. No. 45,213.

Pat. 2,521,653. Electromagnetic Driving System. Patented Sept. 5, 1950. Electromagnetic drive is especially adapted for hair clippers, dry shavers, and the like. A permanent magnet having three poles arranged in E-form and an electromagnet having two poles are disposed in alignment with the poles facing each other. One of the magnets is swingably mounted and provided with an extension serving as an actuating arm. In a modification, the magnets are stationary, having between their cooperating pole faces movable actuating pole pieces secured in spaced relation to the end of a common swinging lever of non-magnetic material. (Owner) Ivar O. Ruud. Correspondence to Michael S. Striker, 511 Fifth Ave., New York 17, N. Y. Group 36—19. Reg. No. 45,214.

Pat. 2,492,367. Circumference and Center Point Marker. Patented Dec. 27, 1949. A cylindrical punch with lower circular cutting edge to scribe a circle of exact size of punch has a bore to removably receive a center punch of slightly greater length so that head of the center punch overlies the head of the cylindrical punch. The force of a hammer blow on the head is transmitted to both punches simultaneously. (Owner) Ilie N. Oprescu, 50 Ford St., Providence 7, R. I. Group 33—51—52. Reg. No. 45,215.

Pat. 2,552,178. Front End Aligning Device for Automobiles. Patented May 8, 1951. An aligning device whereby one man may correct the toe-in of front wheels of automobiles. Comprises a pair of spring-biased telescoping members with a fixed plate on one end of telescoping tube and an oppositely disposed pivotal plate (with knurled edges) to engage the inner surfaces of the tires. As the mechanic adjusts the tie rods, a spring-biased pin mounted on one of the telescopic members seats with audible click in hole in plate, indicating correct alignment. (Owner) Alvin E. James, Route 1, Waycross, Ga. Group 38—31. Reg. No. 45,216.

Pat. 2,541,426. Recording Device for Ships' Telegraphs. Patented Feb. 13, 1951. Recording device for a ship's telegraph system of the type having a bridge telegraph and an engine room telegraph automatically records commands from the bridge to the engine room and from the engine room to the bridge in their correct order. Recording of a repeat command from engine room is automatically blocked until after the command has been carried out. The device includes a rotary command carrier having signs representative of various commands and repeat commands, and a camera for recording the signs. Additional data may be simultaneously recorded with the signs by placing appropriate instruments and objects in the image field of the camera. In a modification, a printing device is utilized instead of the camera. (Owner) Dok-en Werf-Maatschappij Wilton-Fijenoord N. V. Correspondence to H. Hochschild, 730 Fort Washington Ave., New York 33, N. Y. Group 36—62. Reg. No. 45,217.

United States Government Owned Patents

The following three patents (granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are the property of the United States of America as represented by the Secretary of the Interior by virtue of assignments from the inventors, William T. Rawles (Pat. 2,543,059), Martin J. Lantz (Pat. 2,544,696), and Jewell R. Benson (Pat. 2,556,162). Non-exclusive and royalty-free licenses are available.

Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,543,059. Apparatus for Electrowinning or Electroplating of Metals. Patented Feb. 27, 1951. Electrolytic cell apparatus of the diaphragm type is susceptible of repeated unit duplication to permit wide variations in electrolytic cell capacities. A plurality of anolyte and catholyte units are formed with a series of registering openings defining inlet and outlet manifolds for the independent circulation of anolyte and catholyte through the compartments of the units. Weir sections inside the forward end of the apparatus are provided for automatically regulating the liquid level in the compartments and thereby regulate the migration rate of electrolyte through the diaphragms. The weir sections also permit wide variations in anolyte and catholyte flow rates without disturbing the controlled migration rate through the diaphragms. Group 34—72. Reg. No. 45,218.

Pat. 2,544,696. Alternating Current Measuring Device and Method. Patented Mar. 13, 1951. Provides a method of and means for measuring and recording by magnetic links short circuit current in an electric power system. A coil containing a removable demagnetized magnetic link is interposed in an alternating current line provided with a circuit breaker controlled by a protective relay. A by-pass relay having normally closed contacts shunts the coil containing the link. Upon occurrence of an abnormally high current, the by-pass relay opens about one cycle prior to interruption of the current by the circuit breaker to impress residual magnetism on the link indicative of the peak of the last half cycle of current. Modifications shown. Group 36—13—19. Reg. No. 45,219.

Pat. 2,556,162. Method of Soil Erosion Control. Patented June 12, 1951. A series of spaced wind- and water-resisting dikes are formed in loose soil to control erosion and protect plant growth. A fluid plastic material is injected into the soil by a high pressure jet along lines transverse to the direction of eroding fluid currents. Groups 28—83; 29—31; 35—61. Reg. No. 45,220.

E. I. du Pont de Nemours and Company has placed on the Register, as available for licensing on reasonable terms, 347 patents contained in Schedules XXI and XXII. The publication of these patents began in the OFFICIAL GAZETTE, Oct. 30, 1951, and is being continued in succeeding issues. More than 5,400 patents were previously registered by this company and published during 1948, 1949, and 1950, in Schedules I–XX.

The present listing includes Reg. Nos. 45,221 through 45,311. Groups 20—95; 22—13—14—23—35—51—53—54—94—97—98; 23—21; 25—62—71—94; 26—39—63; 28—11—12—29—31—32—33—34—41—51—61—81—83—86—88—89—99; 29—11; 32—95—97; 33—12—66—X2; 34—19—72; 35—22—42—52—59—61; 38—19—31—61; 39—12—81.

Inquiries concerning these patents should be addressed to: Patent Division, E. I. du Pont de Nemours and Company, Wilmington, Del.

Pat. 2,469,437. Quinone-Resorcinol Tanning Agent and Process. May 10, 1949. A polymeric tanning compound made by reacting quinone and resorcinol in the presence of a solvent and a catalyst, the reaction being continued until exothermic reaction has ceased, said polymer being a solid having at least ten six-carbon rings, some of the rings containing two oxygen atoms in para position and the remaining rings containing two oxygen atoms in metal position, said polymer being water soluble, precipitated by acid and able to precipitate gelatine. Also process of using.

Pat. 2,469,438. Quinone-Resorcinol Tanning Agent and Process. May 10, 1949. A tanning agent comprising a reduction product of a polymer of Pat. 2,469,437, listed immediately above.

Pat. 2,470,859. Nonanoic Acid. May 24, 1949. 3,5,5-trimethylhexanoic acid as a composition of matter, and its preparation by the oxidation of 3,5,5-trimethylhexanal.

Pat. 2,472,133. Thiophanthraquinone Derivatives. June 7, 1949. Thiophanthraquinone-2-carboxylic acid and its preparation from thiophanthraquinone and carbon tetrachloride.

Pat. 2,474,004. Process for the Preparation of Ethylene-Urea. June 21, 1949. Heating a mixture of ethylene glycol and urea and treating the product with water.

Pat. 2,476,891. Mixed Esters of Polyhydric Alcohols With Mercaptocarboxylic and Drying Oil Acids. July 19, 1949. Esters of a polyhydric alcohol in which the hydroxyl groups are esterified by a mixture of a mercaptocarboxylic acid and drying oil acids.

Pat. 2,477,156. Treatment of Synthetic Linear Polyamide Threads. July 26, 1949. Process for conditioning sewing threads composed of synthetic linear polyamide filaments comprises treating the thread with formaldehyde, hot-stretching the treated thread to a point where it has a low residual elongation and permitting the stretched thread to cool at least 5% of the hot-stretching temperature above 0° C. while maintaining the structure in its stretched condition.

Pat. 2,478,038. Beta-Substituted Ethyl-Mercapto Polymers and Process of Preparing Same. Aug. 2, 1949. Preparation of polymers having extralinear cyano-, ethylthio-, etc., groups by reacting a polymeric polythio-acylate with a compound having an activated double bond, beta-cyanoethylthio derivatives of 1,3-diene hydrocarbon polymers as new products.

Pat. 2,480,746. 8,9-Benzthiophanthrone. Aug. 30, 1949. Only claim is to 8,9-benzthiophanthrone.

Pat. 2,480,824. Coating Composition and Process of Applying Same. Sept. 6, 1949. A sprayable, strippable, webbing composition comprising a polyvinyl butyral, polyvinyl acetate, a neutral non-corrosive ester plasticizer, compatible with the resins and a solvent mixture.

Pat. 2,484,508. Organodistannonic Acids. Oct. 11, 1949. Compositions of alkanedistannonic acids of 3 to 10 carbon atoms, such as propane-1,3-distannonic acid and decane-1,10-distannonic acid.

Pat. 2,485,236. Preparation of Methionine and Precursors Thereof. Oct. 18, 1949. Reaction of alpha-hydroxy-gamma-methylthiolbutyronitrile with ammonia to form alpha-amino-gamma-methylthiol butyronitrile, which may be hydrolyzed to methionine.

Pat. 2,489,752. Tubular Falling-Film Exchanger. Feb. 28, 1950. In a falling film tubular exchanger an ejector at the top end which prevents intermingling of the entering liquid and the exiting gas.

Pat. 2,491,023. Photographic Film Elements. Dec. 13, 1949. A photographic film element comprising a water insoluble cellulose derivative base having coated thereon at least one thin layer composed of a vinylidene chloride polymer containing at least 50% by weight of vinylidene chloride, e. g., a vinylidene chloride/acrylonitrile copolymer.

Pat. 2,491,923. Stratified Polyvinyl Chloride Films and Processes of Making Same. Dec. 20, 1949. A stain-resistant stratified polyvinyl chloride resin film, the substratum of the film containing a non-migrating plasticizer for said films and the surface stratum containing unplasticized polyvinyl chloride.

Pat. 2,493,072. Production of Improved Thioindigo Pigments. Jan. 3, 1950. Preparation of a thioindigo coloring matter by reacting a dehydrating and oxidixing mineral acid with a phenylmercapto-acetic acid in the presence of an organic mercaptan or disulfide.

Pat. 2,494,391. Fire-Resistant Opaque Window Shade Material and Process of Making Same. Jan. 10, 1950. A fire-resistant, light colored, opaque window shade material comprising a black fabric coated approximately equally on each side with a composition comprising a polyvinyl chloride resin, antimony oxide, titanium dioxide and plasticizer.

Pat. 2,496,803. Production of Veratraldehyde From Vanillin. Feb. 7, 1950. In making veratraldehyde, the steps of melting vanillin in water, adjusting the pH to 9.0 to 9.5, then adding simultaneously sodium hydroxide and dimethyl sulfate at such rate as to maintain said pH, then acidifying to a pH of 4.0 to 5.0 and separating veratraldehyde.

Pat. 2,497,300. Floating Piston Pump. Feb. 14, 1950. Device for pumping corrosive fluids at high pressures in which the pumping effect is transmitted through a confined liquid mass interposed between a solid piston and a floating piston which subjects the fluid to the pumping action.

Pat. 2,497,311. (5-Chloro-2-Thenoyl)-o-Benzoic Acid. Feb. 14, 1950. Only claim is to o-(5-chloro-2-thenoyl)-benzoic acid.

Pat. 2,497,312. 2-Chlorothiophanthraquinone. Feb. 14, 1950. Only claim is to 2-chlorothiophanthraquinone.

Pat. 2,497,334. Preparation of Thiophanthraquinone. Feb. 14, 1950. Preparation of o-2-thenoylbenzoic acid by heating phthalic anhydride and thiophene in nitrobenzene in the presence of aluminum chloride.

Pat. 2,499,787. Process of Dyeing Nylon With Dilute Solutions of Acid Dyes. Mar. 7, 1950. Preparation of dyed nylon textiles by immersing undyed article in colorless aqueous dyebath containing trace of acid dyestuff, and adding a dilute solution of the dyestuff at a rate less than the rate of absorption of the dye.

Pat. 2,499,848. Esters of 3,5,5-Trimethyl-1-Hexanol. Mar. 7, 1950. Esters of 3,5,5-trimethyl-1-hexanol and an aliphatic dicarboxylic acid having the carboxyl groups separated by 0 to 10 carbon atoms.

Pat. 2,502,305. Optical Printing Device. Mar. 28, 1950. A photographic printing device having a triangular light path whereby color separation records can be successively printed in superposition into layers of a multilayer photographic film and whereby the records can be printed in opposing light sensitive strata of said film from opposite directions.

Pat. 2,502,306. Shrinkage Compensation Lens-Position Device for Optical Printers. Mar. 28, 1950. An optical printing device capable of compensating for unequal shrinkage of photographic films in which a lens mount is so disposed that it can be moved along a skew axis.

Pat. 2,502,347. Production of Titanium Dioxide. Mar. 28, 1950. Oxidizing $TiCl_4$ in presence of an oxide of nitrogen and recovering TiO_2 from reaction products.

Pat. 2,502,529. Photographically Sensitive X-Ray Film Elements. Apr. 4, 1950. An X-ray film element comprising a support, a silver halide emulsion on the support and a fluorescent overcoating over the emulsion layer dispersed in a water-soluble, aqueous alkaline developer-insoluble polyvinyl acetal of an aromatic aldehyde containing a carboxylic acid or free sulfonic acid solubilizing group.

Pat. 2,502,643. Neutralization of Alkyl Pyridinium Chlorides. Apr. 7, 1950. In a process for making purified neutral dodecyl pyridinium chloride from dodecyl chloride and pyridine, the steps of treating the crude acidic product with activated carbon, adding trisodium phosphate to pH 4.5 to 5.5, sparging with steam, filtering to remove activated carbon and impurities, again treating with activated carbon and trisodium phosphate to pH 6.5–7.5, sparging with steam and filtering.

Pat. 2,504,003. Ammonium Salt of Polymeric N-Hydroxy Methyl Amic Acids and Water Repellent Compositions Containing Them. Apr. 11, 1950. Ammonium salts of N-hydroxy methyl polymeric half amides of copolymers of polymerizable mono-ethylenic compounds (styrene) with a butenedioic acid anhydride (maleic), dispersions of same in organic solvents, and textiles or other articles coated with such dispersions.

Pat. 2,504,417. Laminated Sheet Structures and Composition. Apr. 18, 1950. An adhesive and moistureproofing composition, and sheets of regenerated cellulose laminated together by this composition to give a moisture-resistant laminated sheet structure. The composition comprises a Piccolyte type resin, a polybutene resin and a vinylidene chloride/vinyl chloride copolymer—all having definite specifications—all dissolved in an organic solvent.

Pat. 2,504,425. Separation of Pure Methionine From Methionine Nitrile Hydrolyzates. Apr. 18, 1950. Process for separating methionine from methionine nitrile hydrolysis products by extraction with an alcohol.

Pat. 2,504,903. Method of Plasticizing Rubber. Apr. 18, 1950. Incorporating in unvulcanized rubber an alpha-thienyl mercaptan, its corresponding disulfide, its zinc salt, or one of its esters derived from carboxylic acids containing 1 to 8 C atoms.

Pat. 2,505,646. Oxidation of Sterols. Apr. 25, 1950. Oxidation of an ester of a 3-hydroxy-Δ^5-sterol to the 7-oxo derivative in the presence of a metal chromate in acetic acid of at least 80% concentration and/or acetic anhydride, with the addition of oxygen to the reaction mass.

Pat. 2,505,657. Continuous Processing Machine for Textile Fabrics. Apr. 25, 1950. The "Multi-Lap" machine for the continuous dyeing of textile fabrics in open width.

Pat. 2,506,635. DDT Insecticide and Process for Making Same. May 9, 1950. DDT insecticide compositions and preparation of same by grinding in jet impact pulverizer.

Pat. 2,506,647. Apparatus for Producing Sulfuric Acid. May 9, 1950. Apparatus for the absorption of SO_3 in oleum comprising a tower containing a plurality of vertical banks of serially connected horizontal pipes and a system for circulating absorbent acid through the tower, including a reservoir for collecting effluent acid, a pump for transferring acid from the reservoir to the tower, and an inlet for weak acid at the pump intake.

Pat. 2,507,088. Sulfoxidation Process. May 9, 1950. Sulfoxidation of a saturated aliphatic hydrocarbon by means of SO_2 and oxygen in the presence of a tetravalent lead salt of a saturated aliphatic monocarboxylic acid of 2 to 4 carbon atoms.

Pat. 2,507,114. Aryl Azomethine Sulfonic Acids. May 9, 1950. Schiff bases of aromatic amino photographic developers and water-soluble aldehydes having a COOZ or SO_3OZ group in which Z is hydrogen or a salt forming cation.

Pat. 2,507,729. Titanium Oxide Pigment Production. May 16, 1950. Monobasic acid (HCl)-digested alkaline earth metal titanates as seeding agents in producing rutile from titanium sulfate solutions.

Pat. 2,508,013. Preparation of Secondary Cellulose Esters. May 16, 1950. Preparation of secondary cellulose mixed esters by heterogeneous hydrolysis of a primary celiulose mixed ester containing combined sulfuric acid, acetic acid, and a carboxylic acid of 3–6 C atoms

Pat. 2,508,045. Moisture Indicator for Webs. May 16, 1950. An electronic moisture measuring system for traveling webs such as warps of yarn.

Pat. 2,508,262. Tank Lining Material. May 16, 1950. Rubber or synthetic rubber calendered sheet containing finely divided sodium silicate in the form of flat plates to increase the dimensional stability of the sheet.

Pat. 2,508,271. Cooling Gaseous Suspensions of Titanium Dioxide in the Preparation of Titanium Dioxide Pigments From Titanium Tetrachloride. May 16, 1950. Rapidly quenching hot TiO_2 suspension by direct contact with liquid chlorine or $TiCl_4$.

Pat. 2,508,272. Cooling Gaseous Suspensions of Titanium Dioxide in the Preparation of Titanium Dioxide Pigments From Titanium Tetrachloride. May 16, 1950. Rapidly quenching TiO_2 suspension to below 600° C. by means of contact with chlorine-containing gases cooled to below 100° C.

Pat. 2,508,447. Azo Pigment and Alkyd Resin Coating Compositions Containing Same. May 23, 1950. Azo maroon pigment from coupling the 5-nitro-2-amino anisole with the orthotoluidide of beta-hydroxy-naphthoic acid.

Pat. 2,508,448. Azo Pigments and Coating Compositions Containing Same. May 23, 1950. Azo maroon pigment composition consisting of coupled 5-nitro-2-amino anisole coupled with the orthotoluidide of 2-hydroxy-3-naphthoic acid with a viscosity stabilizing adjuvant, the metalized (manganese) salt of the dyestuff coupled 5-nitro-2-amino anisole with 2-hydroxy-3-naphthoic acid.

Pat. 2,508,762. Slurry Flow Controller. May 23, 1950. Device for delivering measured amounts of liquid or slurry consisting of a receiver having a discharge port on one side of the bottom and an overflow port on the other side of the bottom, the two ports being separated by a weir, delivery means above the discharge port and means connected through a side wall for controlling gas pressure in the receiver.

Pat. 2,509,487. Wet Cake Creeling Process. May 30, 1950. Apparatus for unwinding yarn from a spin cake comprising a container lined with a pile fabric, a cover structure, and guiding means.

Pat. 2,509,549. Process of Producing Highly Extensible Regenerated Cellulose Yarn. May 30, 1950. A process for producing a drawable viscose rayon yarn by alternately wetting a dried regenerated cellulose yarn with liquid ammonia and drying in the relaxed state and repeating a plurality of times.

Pat. 2,509,740. Process for Production of Nylon of Low Thermoextensibility. May 30, 1950. The process for reducing the hot growth of synthetic linear polymer cords or yarns by drawing and stretching under the action of a swelling agent and removing said swelling agent while the yarn is in the stretched condition.

Pat. 2,509,741. Production of Filamentous Structures. May 30, 1950. The process for hot stretching synthetic linear polymer yarn and cords to produce twisted structures having low thermal extensibility and low inflation growth.

Pat. 2,511,112. Process for Obtaining Color Separations From Multilayer Photographic Film. June 13, 1950. The process which comprises developing an exposed photographic element comprising a film base having superimposed thereon a gelatino silver halide layer sensitive to blue light containing yellow colloidal silver, a water-permeable blue light-sensitive gelatin layer and a water-permeable silver halide layer sensitive to a different primary color of the spectrum which comprises fixing the element and removing the light-insensitive layer and the outer light-sensitive layer by treatment in an aqueous bath, in which prior to removing said layer the element is treated with a gelatin hardening agent activated by the colloidal silver in the blue-sensitive layer to uniformly harden the gelatin of that layer.

Pat. 2,511,218. Titanium Oxide Pigment Production. June 13, 1950. Hydrolyzing titanium sulfate solutions in presence of activated TiO_2 nuclei prepared by dual-conditioning hydrous TiO_2 initially as an alkaline suspension and subsequently in an acidic environment.

Pat. 2,511,229. Process for the Preparation of Cellulose Sulfate. June 13, 1950. Preparation of cellulose sulfate by impregnating cellulose with an aqueous solution of sulfamic acid and a water-soluble carboxamide, drying, and heating.

Pat. 2,511,467. Ester Hydrolysis. June 13, 1950. In the process of converting a volatile aliphatic alcohol ester of an organic acid to its corresponding organic acid and alcohol, the step of passing the ester and water in the vapor phase over a zinc salt of the corresponding organic acid.

Pat. 2,511,476. N-Isopropyl Di-(Alkoxymethoxyalkyl) Amines. June 13, 1950. Process for the isopropylation of a di(alkoxy-methoxyalkyl) amine which comprises subjecting such an amine to a reaction in the presence of acetone and hydrogen in the presence of a hydrogenation catalyst. Composition claim of N-isopropyl di(ethoxymethoxy) ethyl amine.

Pat. 2,511,487. Synthesis of Iminodiacetonitrile. June 13, 1950. Process for the preparation of iminodiacetonitrile by heating aminoacetonitrile with formaldehyde cyanhydrin in the presence of a mineral acid stabilizer, thereafter separating the iminodiacetonitrile from the resulting mixture.

Pat. 2,511,669. Ignition Composition. June 13, 1950. A black powder ignition composition including a primary detonating material as an ignition accelerant.

Pat. 2,511,797. Steam Spraying. June 13, 1950. The spray application of non-aqueous coating compositions comprising substantially water-insoluble organic film-forming material and substantially water immiscible solvent therefor using, as the atomizing medium, steam which is at 10° to 60° F. of super heat.

Pat. 2,512,079. Production of Titanium Oxide Pigments. June 20, 1950. Neutralizing and removing adsorbed chlorine from TiO_2 by treatment with boronic acid or other oxygen compound of boron.

Pat. 2,512,297. Motor Fuel. June 20, 1950. Motor fuel consisting of saturated hydrocarbon aviation fuel, 0.5–8 cc. of tetraethyl lead per gallon of fuel, 0.22–3.6 cc. of ethylene dibromide, 0.0014–0.008% of N, N'-di-(secondary butyl)-p-phenylenediamine, and an organic nitrogenous base of defined characteristics, e. g., isopropylamine.

Pat. 2,512,341. Process for Heating Titanium Tetrachloride. June 20, 1950. Commingling $TiCl_4$ with hot combustion products from interaction with a carbonaceous substance such as carbon or carbon monoxide with an oxygen-containing gas.

Pat. 2,512,463. Cellular Plastic Products and Method of Making Same. June 20, 1950. Composite of organic cellulose derivative, granular water-insoluble heat stable powder incompatible with and chemically inert to cellulose derivative plastics, a volatile liquid, which composite is adapted to be converted into a cellular product, and the process for preparing same.

Pat. 2,512,709. Chloral Dihydric Phenol Polymers. June 27, 1950. An interpolymerization product of chloral and a 1,3-dihydric phenol, e. g., resorcinol, prepared by reacting 0.75 to 1.25 mols of chloral with 1 mol of the phenol in an inert solvent and building up the polymer by refluxing so that it contains 4 to 12 benzene rings supplied by the phenol.

Pat. 2,512,719. Electrodeposition of Tin. June 27, 1950. Treating an aqueous, stannous tin-plating bath of a pH of 2 to 5 with an alkali ferricyanide or ferrocyanide in slight excess over that required to precipitate copper and iron and electrodepositing tin from the bath.

Pat. 2,512,960. New Cellulose Derivatives. June 27, 1950. Hydroxyethyl cellulose acetate chloroacetate as a new product.

Pat. 2,512,968. Manufacture of Cellulosic Articles. June 27, 1950. In the production of high tenacity viscose rayon yarn the improvement which swells the structure after stretching in the coagulating bath and before regenerating.

Pat. 2,513,570. Methyl-Substituted 2-Thenoyl-o-Benzoic Acids. July 4, 1950. O-(x-methyl-2-thenoyl)benzoic acid, in which $x=4$ or 5.

Pat. 2,513,571. Methyl-Thiophanthraquinones. July 4, 1950. 2- and 3-methylthiophanthraquinones.

Pat. 2,513,572. Halogenated (2-Thenoyl)-O-Benzoic Acids. July 4, 1950. Halogen-substituted 2-(2-thenoyl)-benzoic acids which carry in at least one of the 3-, 4-, 5-, or 6-positions of the benzene ring a chlorine or bromine atom and which carry the same halogen in these positions when more than one position is halogen-substituted.

Pat. 2,513,574. Halogen Thiophanthraquinones. July 4, 1950. Monohalothiophanthraquinones in which the halogen is bromine or chlorine and is in the 6- or 8-position.

Pat. 2,513,642. Alkoxymethoxyalkyl Vinyl Ethers. July 4, 1950. Process for the preparation of substituted vinyl ethers from alkoxymethoxy alcohols and acetylene. Composition of methoxymethoxy ethyl vinyl ether.

Pat. 2,513,790. Mono-Halogen-Substituted-Thiophanthraquinone. July 4, 1950. 5(or 7)-chloro (or bromo)-thiophanthraquinones and their preparation from the halogen-substituted 2-(2-thenoyl)benzoic acids.

Pat. 2,513,825. Preparation of Ketenes. July 4, 1950. Low acid number ketene coating composition vehicles prepared by reacting a fatty oil acid with acetic anhydride in the presence of an inert holding agent, such as, e. g. ester gum.

Pat. 2,515,821. Manufacturing Tetraethyl Lead. July 18, 1950. Reacting ethyl chloride with lead monosodium alloy in the presence of an aliphatic aldehyde which consists solely of carbon, hydrogen and oxygen the oxygen being aldehyde or acyclic ethereal oxygen.

Pat. 2,515,846. Method of Reproducing Pictures. July 18, 1950. A television process involving projecting a negative photographic picture made from a photographic silver halide emulsion having a characteristic curve substantially rectilinear up to and between a density of 0.8 and 0.9, which gradually swings upward at high exposure levels.

Pat. 2,515,857. Compounds Having a Carboxyalkylthio or a Carbalkoxyalkylthio Group to Silicon Through Hydrocarbon. July 18, 1950. Monosilanes or polysiloxanes containing carboxyalkylthio or carboalkoxyalkylthio groups, and their preparation by reacting an aliphatic mercaptocarboxylic acid or ester with an unsaturated organo-silicon compound.

Pat. 2,516,293. Process for Producing O-Alkylimino Ethers. July 25, 1950. An o-alkylimino ether is reacted with a higher boiling point alcohol than the original o-alkyl alcohol, and the desired ether obtained by removing the lower boiling point alcohol during the reaction.

Pat. 2,516,590. Process for Obtaining Bodied Drying and Semi-Drying Oils. July 25, 1950. Preparation of bodied oils by heating a drying or semi-drying fatty oil or semi-drying fatty oil with a mono-olefin-sulfur dioxide polymer, especially an ethylene-sulfur dioxide resin.

Pat. 2,517,383. Process for the Production of 5-Carbon Acyclic Aldehydes. Aug. 1, 1950. Process for the preparation of 5-carbon saturated acyclic aldehydes by heating a mixture of a cobalt hydrogenation catalyst, carbon monoxide, and hydrogen, and thereafter injecting butadiene into the mixture.

Pat. 2,517,456. Blending Apparatus. Aug. 1, 1950. A vertical blender for particulate solids comprising a rotary discharge valve at the top of an interior central elevating and mixing screw conveyor.

Pat. 2,517,835. Process of Producing Low Viscosity Carboxyalkyl Cellulose. Aug. 8, 1950. Water-soluble low viscosity sodium carboxymethyl cellulose is produced by addition of a compound of cobalt, manganese, nickel or vanadium after etherification.

Pat. 2,517,852. Airplane Fabric and Method of Manufacturing Air Frames. Aug. 8, 1950. Predoped airplane fabric having a discontinuous film which is subsequently rendered continuous by application of topcoat dope containing solvents, the discontinuous film being deposited from an aqueous emulsion of a cellulose derivative coating composition.

Pat. 2,517,890. Insoluble Copper Complexes of Monazo Compounds. Aug. 8, 1950. Copper complex of the product produced by coupling in a medium alkaline with ammonia the diazo of 5-nitro-2-aminophenol with ethyl acetoacetate.

Pat. 2,517,893. Stabilized Chlorohydrocarbon Cleaning Composition. Aug. 8, 1950. Cleaning composition consisting essentially of a volatile aliphatic chlorohydrocarbon stabilized with 2-methyl-2-oxazoline or like heterocyclic compound.

Pat. 2,517,894. Metal Degreasing Composition. Aug. 8, 1950. Metal degreasing composition consisting essentially of trichloroethylene stabilized with cyclohexane.

Pat. 2,517,895. Stabilized Chlorohydrocarbon Cleaning Composition. Aug. 8, 1950. Cleaning composition consisting essentially of a volatile aliphatic chlorohydrocarbon stabilized with 1,3-diketone.

Pat. 2,517,898. Method for Preparing Aromatic Acyl Fluorides. Aug. 8, 1950. Preparation of aromatic acyl fluorides by reacting an aromatic diazonium fluoroborate with carbon monoxide under specified conditions.

Pat. 2,517,916. Branched Chain Acyclic Aldehydes and Alcohols and Their Preparation. Aug. 8, 1950. 2-(1,3,3-trimethylbutyl)-3-hydroxy-5,7,7-trimethyloctanal 2-(1,3,3-trimethylbutyl)-5,7,7-trimethyl-2-octena and 2-(1,3,3-trimethylbutyl)-5,7,7-trimethyl-1-octanol, and their preparation starting with 3,5,5-trimethylhexanal.

Pat. 2,518,153. Dyeing of Cellulose Esters With Reduced Vat Dyes in Alcoholic Solution. Aug. 8, 1950. Dyeing cellulose esters with vat dyes by padding with an aqueous solution of a reduced vat dye containing 30–60% of alcohol and specified amounts of potassium hydroxide, a wetting agent, a dispersing agent and, as a stabilizing agent, diethylene glycol, or glycerine, passing the material into an aqueous solution having an alkalinity below that at which saponification of the cellulose ester takes place, and oxidizing the dye on the material.

Notice

Patent 2,410,301 was inadvertently listed in the brochure of "Dedicated Patents" of January 1950. The records of the Patent Office reveal that this patent is owned by The Sherwin-Williams Co., Cleveland, Ohio, and has not been dedicated to the public.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 13, 1951

ACT OF 1905

[VOL. 652. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 33

GLASSWARE

Ser. No. 524,787. Ellis and Ellis, Brooklyn, N. Y. Filed June 25, 1947.

PERFUMIDOR

For Humidor Made of Glass for Storing Therein a Bottle of Perfume.

Claims use since Apr. 22, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 585,627. Armstrong Cork Company, Lancaster, Pa. Filed Oct. 1, 1949. (Sec. 2f.)

Armstrong's



For Mats, Blocks, Balls, Sheets, Strips, and Ribbons of Natural Cork, Cork Composition, Rubber, Synthetic Rubber, Cork and Rubber, Cork and Synthetic Rubber, and Leather Fibers for General Industrial Uses; Cork and Cork Composition in Sheet Form for Use in the Manufacture of Bulletin Boards; Cork, Cork Composition, Cork and Rubber, Fiber, and Leather in Sheet Form for Use in the Manufacture of Box Toes, Counters, Shoe Filler Pieces, Heel Pads, Metatarsal Pads, Insoles, Lame Lifts, Platform Soles, and Other Similar Products; and Plastic Composition Type Shoe Filler.

Claims use since 1864.

Ser. No. 593,923. Hercules Powder Company, Wilmington, Del. Filed Mar. 14, 1950.

For Molding Powder Containing Cellulose Derivatives (Specifically Ethyl Cellulose and Cellulose Acetate).

Claims use since Nov. 30, 1948.

Ser. No. 598,653. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed June 6, 1950.

PERSPEX

For Synthetic Resins Sold in the Form of Sheets, Rods, Tubes, and Other Such Shapes.
Claims use since 1934; and since November 1949 in commerce between Great Britain and the United States.

Ser. No. 603,479. The Firestone Tire & Rubber Company, Akron, Ohio. Filed Sept. 13, 1950.

Velon

Applicant claims ownership of Registrations Nos. 441,145, 507,954, 409,251, and 409,250.
For Plastic Films and Sheets for Use in Further Manufacture.
Claims use since Apr. 1, 1946.

Ser. No. 609,848. Druid Hill Park Seed Corporation, Baltimore, Md. Filed Feb. 9, 1951.

INDEPENDENCE HALL PARK

For Grass Seeds.
Claims use since February 1947.

Ser. No. 610,196. The United States Graphite Company, Division of The Wickes Corporation, Saginaw, Mich. Filed Feb. 16, 1951.

NO. 866

The term "No." is disclaimed. Applicant claims ownership of Registration No. 96,751.
For Prepared Pulverized Material Containing Carbon, Known Commercially as Hot Topping Compound; Applied to Molten Metal Surfaces of Ingot Heads or Casting Risers; for Providing Thereon a Fluffy Heat-Insulated Blanket-Like Covering That Localizes Shrinkage on Said Heads or Risers, and Prevents Formation of Deep Wasteful Cracks and Cavities.
Claims use since Jan. 5, 1905.

Ser. No. 610,437. Garfield Williamson Inc., Jersey City, N. J. Filed Feb. 23, 1951.

WILLIAMSON

For Grass Seed.
Claims use since July 19, 1920.

Ser. No. 612,449. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Apr. 10, 1951.

DACRON

For Synthetic Polyester Fibers for Generalized Use in the Industrial Arts.
Claims use since Mar. 16, 1951.

CLASS 2

RECEPTACLES

Ser. No. 532,927. The Greif Bros. Cooperage Corporation, Cleveland, Ohio, and Chicago, Ill. Filed Aug. 30, 1947. (Sec. 2f.)

Ju-Ply

Applicant claims ownership of Registrations Nos. 309,056, 283,490, 377,668, and 401,196.
For Wooden Drums To Contain Loose Material.
Claims use since Sept. 3, 1932.

Ser. No. 533,733. The Greif Bros. Cooperage Corporation, Cleveland, Ohio, and Chicago, Ill. Filed Sept. 8, 1947. (Sec. 2f.)

For-Ply

Applicant claims ownership of Registrations Nos. 377,668, 283,490, and 401,196.
For Wooden Drums To Contain Loose Material.
Claims use since Mar. 15, 1939.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 590,089. The Lea Manufacturing Company, Waterbury, Conn. Filed Dec. 29, 1949.

LIQUABRADE

For Buffing Compounds.
Claims use since May 21, 1948.

Ser. No. 593,576. Multi-Clean Products, Incorporated, St. Paul, Minn. Filed Mar. 4, 1950.

MULTI CLEAN

The word "Clean" is disclaimed. The drawing is lined for the color red. Applicant claims ownership of Registrations Nos. 406,117, 504,776, and 532,022.
For Steel Wool Pads.
Claims use since May 1946.

Ser. No. 593,906. Bay State Abrasive Products Company, Westboro, Mass. Filed Mar. 14, 1950.

DURACUT

The word "Cut" is disclaimed.
For Grinding, Abrading, Polishing, Cutting-Off, and Knife Sharpening Wheels.
Claims use since Jan. 19, 1950.

Ser. No. 604,210. McKeown Bros. Co., Chicago, Ill. Filed Sept. 29, 1950.

Plast-A-Shine

The word "Shine" is disclaimed.
For Plastic Self-Polishing Liquid Shoe Dressing.
Claims use since September 1948.

Ser. No. 610,559. Huntington Laboratories, Inc., Huntington and Tipton, Ind. Filed Feb. 27, 1951.

SANA GLOW

For Liquid for Cleaning, Preserving, and Polishing Surfaces.
Claims use since Nov. 10, 1937.

CLASS 5

ADHESIVES

Ser. No. 572,955. Eastern Clay Products, Inc., Jackson, Ohio. Filed Jan. 28, 1949.

DURA CEMENT

The word "Cement" is disclaimed.
For Adhesive Cement for Foundry Apparatus (Cementing Rubber and Plastics to Iron).
Claims use since Jan. 10, 1949.

Ser. No. 580,173. American Adhesive Manufacturing Co., Inc., Brooklyn, N. Y. Filed June 9, 1949.

SOLV-TEX

For Bookbinding Adhesive Paste or Glue.
Claims use since June 27, 1939.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 583,451. The Smith Agricultural Chemical Company, Columbus, Ohio. Filed Aug. 13, 1949.

SACCO

Applicant claims ownership of Registration No. 213,828.
For Battery Acids and Sulphuric Acids.
Claims use since Jan. 1, 1926.

Ser. No. 586,564. The Baker Castor Oil Company, Jersey City, N. J. Filed Oct. 19, 1949. (Classified in Class 52.)

SOLRICIN

For Compositions Comprising Soluble Soaps (Sodium, Potassium, Ammonium and Amine) of Castor Oil, Which Compositions May Contain Glycerine or Fatty Acid Esters, or Both, and Are Variously Used as Emulsion Stabilizers or for Pigmented Compositions, Such as Rubber Latex Compounds, and Also as Grease Stabilizers, Rust Inhibitors, and Generally as Soaps or Dispersing Agents Where Germicidal Properties Are of Value.
Claims use since June 8, 1949.

Ser. No. 589,716. General Aniline & Film Corporation, New York and Binghamton, N. Y. Filed Dec. 21, 1949.

NEGADOL

For Chemicals and Preparations Thereof Used in Processes for Developing Photographic Images.
Claims use since Oct. 19, 1949.

Ser. No. 589,717. General Aniline & Film Corporation, New York and Binghamton, N. Y. Filed Dec. 21, 1949.

PANADOL

For Chemicals and Preparations Thereof Used in Processes for Developing Photographic Materials.
Claims use since Oct. 31, 1949.

Ser. No. 589,719. General Aniline & Film Corporation, New York and Binghamton, N. Y. Filed Dec. 21, 1949.

SUPRADOL

For Chemicals and Preparations Thereof Used in Processes for Developing Photographic Materials.
Claims use since Oct. 31, 1949.

Ser. No. 592,546. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed Feb. 16, 1950.

chemco

Applicant claims ownership of Registrations Nos. 353,142 and 353,510.
For Chemicals and Chemical Preparations, Particularly for Use in Photography, Photoengraving, Lithography, Rotary Photogravure, and Other Photomechanical and Related Arts—Namely, Acids, Salts, Bases, Sensitizers, Solvents, Synthetic or Aniline Dyes, Resins, Resists, Albumen, Etching Powder, Alcohols, Dye, Solutions, Acid Sulphite Solution for Photographic, Photomechanical, and Photoengraving Use, Developers for Photographic Paper

and Film and Component Chemicals, Developers for Photomechanical Resists, Dragon's Blood for Photoengraving, Photographic Fixer, Film Tempering Solutions, Hardener Tablets for Photographic Use, Hypo, Sodium Thiosulfate, Ammonium Thiosulfate, Concentrated Acid Fixing Solutions, Hot Top Enamel, Sensitized Photomechanical Resist, Stripping Solutions, Tempering Solutions, Tint Print Solutions.

Claims use since Oct. 15, 1949, as to the mark shown; and since Jan. 1, 1920, as to "Chemco."

Ser. No. 595,125. Douglas Chemical and Supply Company, Kansas City, Mo. Filed Apr. 3, 1950.

TETRAFUME

For Economic Poisons in the Nature of an Insecticide for Fumigating Grains.

Claims use since 1916.

Ser. No. 595,126. Douglas Chemical and Supply Company, Kansas City, Mo. Filed Apr. 3, 1950.

TETRAKIL

For Economic Poisons in the Nature of an Insecticide for Fumigating Grains.

Claims use since Mar. 17, 1950.

Ser. No. 596,770. Ansul Chemical Company, Marinette, Wis. Filed May 3, 1950.

MET-L-X

For Fire Extinguishing Compositions Effective on Burning Sodium, Potassium, Magnesium, Zinc, Powdered Aluminum, and Other Combustible Metals.

Claims use since Apr. 11, 1950.

Ser. No. 597,928. Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Filed May 22, 1950.

SPREADHESIT

For Preparation Having Wetting, Spreading and Sticking Properties for Use in Aqueous Sprays Containing Agricultural Insecticides, Fungicides, and Herbicides.

Claims use since 1942.

Ser. No. 601,913. Heyden Chemical Corporation, New York, N. Y. Filed Aug. 8, 1950. (Sec. 2f.)

FINE HEYDEN CHEMICALS

The words "Fine Chemicals" are disclaimed.

For Chemicals and Chemical Preparations—Namely, Salicylic Acid and Salicylates Including Sodium, Ammonium, and Methyl Salicylates; Benzoates Including Benzoic Acid, Calcium, Sodium, and Methyl Benzoates; Acetates Including Ethyl and Methyl Chloro Acetates; Beta-Oxynaphthoic Acid; Carbolic Acid; Formic Acid and Formates Including Aluminum and Sodium Formates; Bromides Including Calcium, Potassium, and Sodium Bromides; Chlorides Including Benzal, Benzyl, Benzoyl; Ethers Including Benzyl and Di-Benzyl Ethers; Chlorine and Chlorinated Products—Namely, Chlortoluene, Chlorbenzyl Chloride, Di-Chlorbenzoic Acid; Parahydroxybenzoates Including Benzyl, Ethyl, and Methyl Parahydroxybenzoates; Aldehydes Including Benzaldehyde, Formaldehyde and Paraformaldehyde; Colloids Including Copper Protein, Silver Protein, and Colloidal Sulphur; Creosotes Including Calcium Creosotate and Creoso Carbonate; Glycerophosphoric Acid and Glycerophosphates Including Calcium, Sodium, and Potassium Glycerophosphates; Guaiacol Including Guaiacol Carbonate, and Calcium Guaiacol Sulfonate; Pentaerythritols Including Mono- and Di-Pentaerythritol; Mineral Acids Including Hydrochloric and Sulfuric Acids; Inorganic Chemicals—Namely, Caustic Soda and Sodium Sulphate; Miscellaneous Benzene Derivatives—Namely, Resorcinol and Acetanilid.

Claims use since July 1, 1934.

Ser. No. 607,506. National Distillers Chemical Corporation, New York, N. Y. Filed Dec. 9, 1950.

NATIONAL DISTILLERS CHEMICAL CORPORATION

The words "Distillers Chemical Corporation" are disclaimed.

For Sodium.

Claims use since June 20, 1950.

Ser. No. 609,385. Virginia Smelting Company, West Norfolk, Va. Filed Jan. 29, 1951. (Sec. 2f.)

LETHALAIRE

Applicant claims ownership of Registration No. 433,532.

For Aerosol Insecticide.

Claims use since Jan. 19, 1946.

Ser. No. 611,101. Monsanto Chemical Company, St. Louis, Mo. Filed Mar. 9, 1951.

RETANE

For Chemicals and Chemical Compositions for Use in Treating Textiles To Improve or Modify the Characteristics Thereof Including the Fixation of Color.

Claims use since Feb. 9, 1951.

Ser. No. 611,598. Godfrey L. Cabot, Inc., Boston, Mass. Filed Mar. 21, 1951.

ELF

Applicant claims ownership of Registrations Nos. 67,327 and 176,012.

For Carbon Black for Use in the Plastic, Paper, and Other Miscellaneous Industries.

Claims use since December 1896.

CLASS 7

CORDAGE

Ser. No. 546,737. Transparent Package Company, Chicago, Ill. Filed Jan. 10, 1948.

Tubo-Ribbon

The word "Ribbon" is disclaimed.

For Ribbon Made From a Cellulose Composition Material, Used for Decorative Packaging and Festive Decorations.

Claims use since Nov. 13, 1945.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 589,646. The Diamond Match Company, New York, N. Y. Filed Dec. 20, 1949.

GOLD MEDAL

For Matches.

Claims use since 1914.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 608,885. The National Cash Register Company, Dayton, Ohio. Filed Jan. 17, 1951.

National

Applicant claims ownership of Registrations Nos. 377,183, 386,968, 392,498, and 392,505.

For Ink for Use With Porous Rubber Marking Stamps.

Claims use since Nov. 8, 1949.

Ser. No. 608,886. The National Cash Register Company, Dayton, Ohio. Filed Jan. 17, 1951.

National

Applicant claims ownership of Registrations Nos. 386,968, 392,505, and 392,498.

For Ink for Use With Porous Rubber Marking Stamps.

Claims use since Nov. 8, 1949.

Ser. No. 608,887. The National Cash Register Company, Dayton, Ohio. Filed Jan. 17, 1951.

Applicant claims ownership of Registrations Nos. 377,183 and 392,489.

For Ink for Use With Porous Rubber Marking Stamps.

Claims use since Nov. 8, 1949.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 568,311. Laclede Steel Company, St. Louis, Mo. Filed Nov. 6, 1948. (Sec. 2f.)

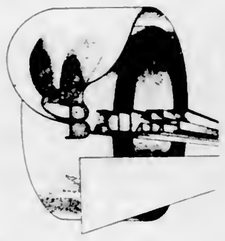
LACLEDE

Applicant claims ownership of Registration No. 369,110.

For Steel Products—Namely, Concrete Reinforcing Bars, Concrete Reinforcing Wire Mesh, Welded Stirrups, Spirals, Concrete Joint Dowel Assemblies, Center Joints and Recess Joints (for Road Construction), Steel Contraction Joints, Furring Channels, and Steel Joists.

Claims use since 1911.

Ser. No. 569,240. The Bailey Company, Incorporated, Amesbury, Mass. Filed Nov. 23, 1948. (Sec. 2f as to "Bailey.")



The representation of the metal coil is disclaimed.

For Rolled Metal Shapes and Rolled Metal Mouldings for Construction Purposes.

Claims use since Aug. 10, 1948, as to the mark shown; and since Dec. 23, 1932, as to the name "Bailey."

Ser. No. 569,241. The Bailey Company, Incorporated, Amesbury, Mass. Filed Nov. 23, 1948. (Sec. 2f as to "Bailey.")



The representation of the metal coil is disclaimed.

For Rolled Metal Shapes and Rolled Metal Mouldings for Construction Purposes.

Claims use since Sept. 22, 1948, as to the mark shown; and since Dec. 23, 1932, as to the name "Bailey."

Ser. No. 571,664. Rutland Fire Clay Company, Rutland, Vt. Filed Jan. 5, 1949.

KEX

For Spackling Compound To Be Mixed With Water To Form a Mortar and Applied With a Case Knife or Trowel To Fill Small Cracks and To Level the Surface of Plaster, Wood or Metal.

Claims use since Jan. 3, 1949.

Ser. No. 582,223. Robert Gair Company, Inc., New York, N. Y. Filed July 20, 1949. (Sec. 2f.)

GAIR

Applicant claims ownership of Registrations Nos. 384,273, 387,268, and 520,373.
For Wallboard.
Claims use since Jan. 1, 1940.

Ser. No. 590,917. Sintering Machinery Corporation, Netcong, N. J. Filed Jan. 14, 1950.

SINTERAGG

For Light Weight Aggregate for Concrete, Clay, and Other Plastic Materials for Construction Purposes.
Claims use since June 20, 1949.

Ser. No. 594,434. Charles C. Burt, doing business as Burt Equipment Company, East Orange, N. J. Filed Mar. 23, 1950.

BURTCO FACIA

The word "Facia" is disclaimed.
For Steel Facing or Armor for Concrete Curbing.
Claims use since Feb. 1, 1950.

Ser. No. 595,654. Central Building Products Company, Milwaukee, Wis. Filed Apr. 13, 1950.

Lumaside

For Building Siding.
Claims use since Dec. 6, 1948.

Ser. No. 609,994. The Woodville Lime Products Company, Toledo, Ohio. Filed Feb. 12, 1951. (Sec. 2f.)

GOLD MEDAL

For Hydrated Lime for Building Purposes.
Claims use since Apr. 1, 1916.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 320,274. Walter Stanton Feagan, doing business as Allied Dealers Supply Co., Los Angeles, Calif. Original filed, act of 1905, Apr. 7, 1947; amended to application under act of 1946, Principal Register, June 14, 1948.

HANDY VAN

For Wheeled Stand for Lifting and Moving a Drum of Oil or the Like to a Desired Location and Thereafter Serving as a Support for the Same.
Claims use since Nov. 18, 1946.

Ser. No. 586,541. Norben, Inc., Indianapolis, Ind. Filed Oct. 19, 1949.

Norben

For Light Metal Ware—Namely, Flower Pots, Flower Bowls, Hospitality Bowls, Center Piece Bowls, Tumblers, and Pitchers.
Claims use since January 1947.

Ser. No. 602,909. National Autocraft Manufacturing Co., Orlando, Fla. Filed Aug. 29, 1950.

AUTOCRAFT

For Clips for Fastening Ornamental Trim on Automotive Vehicles.
Claims use since June 13, 1950.

Ser. No. 607,337. Joseph M. Margulis, doing business as Jiffy Distributing Co., Flint, Mich., assignor to Jiffy Enterprises, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Filed Dec. 6, 1950.

JIFFY

For Hook and Eye Type Wall Hanger for Pictures, Pin-up Lamps, Calendars, Etc.
Claims use since July 25, 1950.

Ser. No. 612,904. Gem Slide Fastener Co., New York, N. Y. Filed Apr. 20, 1951.

GEM

For Slide Fasteners.
Claims use since Jan. 10, 1950.

Ser. No. 613,142. National Silver Company, New York, N. Y. Filed Apr. 25, 1951.



For Certain Articles of Holloware Wholly Made of Base Metal or Having a Base of Copper, Brass, or Steel and a Chromium Plating Thereon — Namely, Trays, Relish Dishes, Vegetable Dishes, Candy Dishes, Service Plates, Baby's Hot Plates, Cream Pitchers, Water Pitchers, Sugar Bowls, Fruit Bowls, Candy Bowls and Boxes, Cocktail Shakers, Cocktail Cups, Jam Jars, and Syrup Jars.
Claims use since Oct. 6, 1950.

Ser. No. 613,231. The National Screw and Manufacturing Company, Cleveland, Ohio. Filed Apr. 27, 1951. (Sec. 2f.)

STRAPLOCK

For Anti-Skid Chains for Vehicle Wheels.
Claims use since Jan. 1, 1946.

CLASS 15

OILS AND GREASES

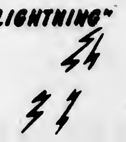
Ser. No. 601,299. Bodie-Hoover Petroleum Corporation, Chicago, Ill. Filed July 27, 1950.

GOLD AWARD

For Lubricating Oil.
Claims use since July 19, 1950.

Ser. No. 601,668. Robert W. Fulton, Minneapolis, Minn. Filed Aug. 3, 1950.

"LIGHTNING"



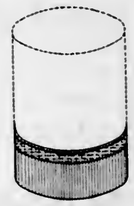
For Lubricating Oil.
Claims use since Apr. 1, 1940.

Ser. No. 601,759. Societe Normande de Produits Chimiques, Paris, France. Filed Aug. 4, 1950.

STEAGEL

Applicant claims ownership of French Registration No. 365,498, dated Apr. 2, 1946.
For Petroleum Oils, Essences, and Greases Used for Wire-Drawing From Steel and Other Metals and for the Stretching of Tubes of Steel and Other Materials.

Ser. No. 603,600. Shell Oil Company, New York, N. Y. Filed Sept. 15, 1950.



The drawing is lined for red and yellow.
For Motor Oil and Lubricating Greases.
Claims use since October 1941.

Ser. No. 607,318. Delia and Claire Dixon, Missoula, Mont. Filed Dec. 6, 1950.



The drawing is lined for shading. The words "Art Studios" are disclaimed.
For Ornamental Candles.
Claims use since Oct. 16, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 516,905. Kansas Paint & Color Company, Wichita, Kans. Original filed, act of 1905, Feb. 4, 1947; amended to application under act of 1946, Principal Register, Nov. 4, 1947. (Sec. 2f.)

HYPER WHITE

For Ready-Mixed Paints, Paint Enamels, and Lacquers for Use on Interior and Exterior Surfaces of Metal, Wood, or Composition.
Claims use since October 1926.

Ser. No. 546,860. R. N. Nason & Co., San Francisco, Calif. Filed Jan. 13, 1948.

GLYKO

Applicant claims ownership of Registration No. 510,677.
For Automotive Paints.
Claims use since December 1928.

Ser. No. 558,424. Treesdale Laboratories, Inc., Pittsburgh, Pa., assignor to Treesdale Laboratories and Textile Processing Company, a corporation of Pennsylvania. Filed June 3, 1948.



The term "Striplastic" is disclaimed. The drawing is lined for red. Applicant claims ownership of Registration No. 432,467.
For Resinous Plastic Solutions, With or Without Pigments, for Protective or Decorative Coatings on Surfaces Generally.
Claims use since Mar. 29, 1948.

Ser. No. 610,336. F. O. Pierce Company, Long Island City, N. Y. Filed Feb. 20, 1951.

Pleasant

For Enamel.
Claims use since Dec. 15, 1950.

Ser. No. 610,684. The Hallemite Manufacturing Co., Cleveland, Ohio. Filed Mar. 1, 1951.

HALCO

For Paint Thinners.
Claims use since Mar. 28, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 600,174. Larus & Brother Company, Richmond, Va. Filed July 3, 1950.

CHLORO FILTER

The word "Filter" is disclaimed.
For Cigarettes.
Claims use since June 26, 1950.

Ser. No. 600,175. Larus & Brother Company, Richmond, Va. Filed July 3, 1950.

ZERO

For Cigarettes.
Claims use since June 26, 1950.

Ser. No. 609,801. Peter Jackson (Overseas) Limited, London, England. Filed Feb. 8, 1951. (Sec. 2f.)

du MAURIER

Applicant claims ownership of United States Registration No. 290,532.
For Cigarettes.
Claims use since June 4, 1930; and first used in commerce between the United States and the United Kingdom of Great Britain and Northern Ireland in October 1932.

Ser. No. 610,548. Fleming-Hall Tobacco Co., Inc., New York, N. Y. Filed Feb. 27, 1951. (Sec. 2f.)

MAPLETON

Applicant claims ownership of Registration No. 379,505.
For Cigars.
Claims use since July 8, 1937.

Ser. No. 611,525. Larus & Brother Company, Richmond, Va. Filed Mar. 19, 1951.

GUIDE

For Smoking Tobacco.
Claims use since Mar. 14, 1951.

Ser. No. 611,579. Philip Morris & Co. Ltd., Incorporated, New York, N. Y. Filed Mar. 20, 1951.

PURITAN

For Smoking Tobacco.
Claims use since Jan. 28, 1916.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 586,260. The Zodrop Company, Harrisburg, Ill. Filed Oct. 13, 1949.

ZODROPS

For Nasal Drops.
Claims use since Aug. 15, 1949.

Ser. No. 587,831. E. R. Squibb & Sons, New York, N. Y. Filed Nov. 15, 1949.

NEO-AMNIOTIN

Applicant claims ownership of Registrations Nos. 252,240, 266,355, and 318,536.
For Estrogenic Preparations.
Claims use since June 7, 1948.

Ser. No. 588,638. Forrest, Inc., Oyster Bay, N. Y. Filed Dec. 1, 1949.

CHASP

For Children's Aspirin.
Claims use since Nov. 18, 1949.

Ser. No. 590,824. National Package Drugs, Inc., St. Louis, Mo. Filed Jan. 13, 1950.

HISTAPRO

For Anti-Histamine Tablets.
Claims use since Jan. 3, 1950.

Ser. No. 591,417. Charles E. Frosst & Co., Montreal, Quebec, Canada. Filed Jan. 25, 1950.

QUESTRONE

Applicant claims ownership of Canadian Registration No. N.S.32,917, dated Aug. 4, 1949.
For Pharmaceutical Preparation Consisting of Estrogenic Substances (Equine) for Medicinal Use.

Ser. No. 594,427. American Cyanamid Company, New York, N. Y. Filed Mar. 23, 1950.

DIAMOX

For Evacuants.
Claims use since Feb. 1, 1950.

Ser. No. 603,651. E. R. Squibb & Sons, New York, N. Y. Filed Sept. 16, 1950.

FENAMUN

For Antileprotic Preparation.
Claims use since July 20, 1950.

Ser. No. 603,652. E. R. Squibb & Sons, New York, N. Y. Filed Sept. 16, 1950.

ETHLOZINE

For Antispastic Preparation.
Claims use since May 29, 1950.

Ser. No. 609,408. Dr. Geo. S. Long Corporation, Pineville, La. Filed Jan. 30, 1951.

VITA-LONG

The word "Vita" is disclaimed.
For Vitamin Tonic.
Claims use since Nov. 10, 1950.

Ser. No. 609,518. W. A. Tompkins, Thomasville, Ala. Filed Feb. 1, 1951.

TOMPKINS' 5

The word "Tompkins'" is disclaimed.
For Preparation for External Application for Use in Relief of Skin Irritations.
Claims use since 1936.

Ser. No. 609,909. Commercial Solvents Corporation, New York, N. Y. Filed Feb. 10, 1951.

BACILLYRIUM

For Ophthalmic Solution.
Claims use since Oct. 27, 1950.

Ser. No. 609,910. Commercial Solvents Corporation, New York, N. Y. Filed Feb. 10, 1951.

EXTENDEX

For Blood Plasma Substitute.
Claims use since Dec. 21, 1950.

Ser. No. 609,912. Commercial Solvents Corporation, New York, N. Y. Filed Feb. 10, 1951.

XTENDEX

For Blood Plasma Substitute.
Claims use since Dec. 21, 1950.

Ser. No. 609,966. Dallas Pharmacal Co., Dallas, Tex. Filed Feb. 12, 1951.

ACOIL

For Preparation for External Application for the Relief of Muscular Aches and Pains.
Claims use since Nov. 2, 1950.

Ser. No. 610,038. Winthrop-Stearns Inc., New York, N. Y. Filed Feb. 13, 1951.

MYTOLON

For Preparation for Producing Muscular Relaxation.
Claims use since Jan. 29, 1951.

Ser. No. 610,111. Winthrop-Stearns Inc., New York, N. Y. Filed Feb. 14, 1951.

DYMEBAN

For Anticonvulsant Drug, Principally for the Treatment of Epilepsy.
Claims use since Jan. 24, 1951.

Ser. No. 610,112. Winthrop-Stearns Inc., New York, N. Y. Filed Feb. 14, 1951.

PETAMIDON

Applicant claims ownership of Registration No. 228,308.
For Analgesic Preparation.
Claims use since Jan. 24, 1951.

Ser. No. 610,113. Winthrop-Stearns Inc., New York, N. Y. Filed Feb. 14, 1951.

TELEPAQUE

For Organic Iodine Compound Used as Radiopaque Medium for X-Ray Examination.
Claims use since Jan. 29, 1951.

Ser. No. 610,155. Winthrop-Stearns Inc., New York, N. Y. Filed Feb. 15, 1951.

PIPANOL

For Spasmolytic Drug.
Claims use since Jan. 24, 1951.

Ser. No. 610,156. Walker Vitamin Products, Inc., Mount Vernon, N. Y. Filed Feb. 26, 1951.

OLODEX

For Ingestible Tablets Having the Property, When Taken Internally, of Eliminating Body Odors.
Claims use since Sept. 12, 1950.

Ser. No. 610,751. Carlos C. Marroquin, doing business under the name of Nova Laboratories, San Antonio, Tex. Filed Mar. 2, 1951.

"VIÑA-PIÑA"

For Medical Eye Drops.
Claims use since Dec. 8, 1950.

Ser. No. 611,314. Schenley Laboratories, Inc., New York, N. Y. Filed Mar. 14, 1951.

APFIGENE

For Products Used as Mixing Ingredients in Poultry, Livestock, and Other Animal Feeds and Containing Vitamin B_{12}.
Claims use since Dec. 27, 1950.

Ser. No. 611,611. The Maltine Company, Morris Plains, N. J. Filed Mar. 21, 1951.

ATRALOSE

For Medicinal Preparation for the Treatment of Spastic Conditions of the Gastrointestinal Tract.
Claims use since Mar. 2, 1951.

Ser. No. 611,647. Jefferson Pharmacal Company, Detroit, Mich. Filed Mar. 22, 1951.

BINSEC

For Vitamin Capsules and Tablets.
Claims use since Oct. 1, 1950.

Ser. No. 611,660. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Mar. 22, 1951.

TASMEL

For Preparation for Use in the Treatment of Dermatological Conditions.
Claims use since Jan. 17, 1951.

Ser. No. 611,726. Jarrett Skinner, Flint, Mich. Filed Mar. 23, 1951.



The trade-mark is a photograph of the undersigned.
For Liniment.
Claims use since Nov. 12, 1947.

Ser. No. 611,807. Pine Bros. Inc., Philadelphia, Pa. Filed Mar. 26, 1951. (Sec. 2f.)

PINE BROS.

For Glycerine Tablets for Relief of Coughs Due to Common Colds, Also Dry Throat, Hoarseness, and Minor Throat Irritations Caused by Smoking or Over-Use of the Voice.
Claims use since 1870.

Ser. No. 617,509. Merck & Co., Inc., Rahway, N. J. Filed Aug. 9, 1951.

PENSTREP

For Antibiotic Preparations, Possessing the Characteristic of Liberating Therapeutic Concentrations Over Prolonged Periods.
Claims use since Aug. 2, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 546,093. Garod Radio Corporation, Brooklyn, N. Y. Filed Jan. 3, 1948.



Applicant claims ownership of Registration No. 503,013.
For Combined Radio Receivers and Alarm Clocks.
Claims use since Nov. 12, 1947.

Ser. No. 548,693. The Protectowire Co., Pembroke, Mass. Filed Feb. 3, 1948. (Sec. 2f.)

PROTECTOWIRE

For Equipment for Use in Electric Protective Signalling Systems—Namely, Adaptors; Alarm Gongs; Annunciators; Batteries of All Types; Bells; Buzzers; Heat-Sensitive Cable; Circuit Breakers; Connection Fittings and Receptacles; Fire Alarm Panels; Fire Alarm Transmitters; Horns; Installation Accessories—Namely, Clips, Screws, Drive Rings, Screw Eyes, Straps, Splicing Sleeves, Drop Wire Clamps, Protectors and Bushings; Junction Boxes; Protective Electric Signalling and Alarm Stations for Manual Operation; Auxiliarizing Units for Shunt or Series Type City Protective Signalling Master Boxes for the Detection of and Protection Against Disturbances; Plugs; Power Supply Units; Rectifier Units; Relays; Relay Control Units; Signalling Tape Registers; Sirens; Sockets; Transformers; and Wire.
Claims use since Nov. 14, 1938.

Ser. No. 574,814. Bendix Aviation Corporation, Detroit, Mich. Filed Mar. 3, 1949. (Sec. 2f.)

DA-NITE

For Aircraft Cockpit Radio Control Panels.
Claims use since Jan. 28, 1949.

Ser. No. 576,209. Holley Carburetor Company, Detroit, Mich. Filed Mar. 28, 1949. (Sec. 2f.)

HOLLEY

Applicant claims ownership of Registration No. 188,941.
For Distributors and Parts Thereof for Engines.
Claims use since July 1, 1947.

Ser. No. 590,163. Irving J. Kopel, doing business as Kopel Filter Paper Co., Chicago, Ill. Filed Dec. 30, 1949.

FIRE CHIEF

For Electric Iron Rest.
Claims use since Dec. 3, 1949.

Ser. No. 595,574. Videola Corporation, New York, N. Y. Filed Apr. 11, 1950.

Videola

For Radio and Television Sets and Parts—Namely, Transformers, Amplifiers, Booster Amplifiers, Chassis and Kits Containing Parts for Radio and Television Receiving Sets.
Claims use since August 1948.

Ser. No. 597,901. The Plessey Company Limited, Ilford and London, England. Filed May 22, 1950.

CASLAM

Applicant claims ownership of British Registration No. 659,363, dated May 22, 1947.
For Soft Compressed Magnetic Flake Material Used as Chokes, Transformers, Reactors, All Being Goods for Use in Electrical Apparatus and Instruments and in Wireless Apparatus.

Ser. No. 602,282. Ohmite Manufacturing Company, Chicago, Ill. Filed Aug. 16, 1950.

DIVIDOHM

For Electrical Circuit Control Elements—Namely, Resistors.
Claims use since October 1932.

Ser. No. 602,283. Ohmite Manufacturing Company, Chicago, Ill. Filed Aug. 16, 1950.

BROWN DEVIL

For Electrical Circuit Control Elements—Namely, Resistors.
Claims use since June 1934.

Ser. No. 603,465. Totem Distributing Co., Seattle, Wash. Filed Sept. 12, 1950.

THUNDERBIRD BRAND

The word "Brand" is disclaimed.
For Electric Cords, Plugs, Sockets, and Mechanic's Light Shields.
Claims use since Jan. 15, 1950.

Ser. No. 604,147. Electric Cord Company, New York, N. Y. Filed Sept. 28, 1950.

LIGHT WARDEN

The word "Light" is disclaimed.
For Battery Operated Flood-Lights and Spotlights Designed To Operate Automatically Upon an Electrical Power Failure in a Specifically Designated Area; Battery Operated Warning Lights.
Claims use since July 13, 1943.

Ser. No. 605,820. Vitalic Battery Company, Inc., Dallas, Tex. Filed Nov. 2, 1950.

DIXIE

For Storage Batteries and Storage Battery Cases.
Claims use since Oct. 15, 1935.

Ser. No. 608,171. Edward Martony, doing business as Natural Health Products, Sarasota, Fla. Filed Dec. 28, 1950.

MARVLIZER

For Electrical Liquefying Machine for Liquefying All Types of Fruits and Vegetables.
Claims use since July 24, 1950.

Ser. No. 610,133. Mitchell Industries, Inc., Mineral Wells, Tex. Filed Feb. 15, 1951.

EGYPTIAN TIP

The word "Tip" is disclaimed.
For Electric Soldering Irons.
Claims use since Nov. 1, 1950.

Ser. No. 611,483. Musicolor Inc., Chicago, Ill. Filed Mar. 17, 1951.



For Electrical Apparatus—Namely, an Amplifier Including a Microphone and Relays for Reproducing Music in Conjunction With an Electric Motor Operated Vari-Colored-Light Projector, the Whole Synchronized by the Volume of the Music.
Claims use since Mar. 1, 1922.

Ser. No. 613,790. Sprague Electric Company, North Adams, Mass. Filed May 11, 1951.

PERMASEAL

For Electrical Resistors.
Claims use since Apr. 28, 1951.

Ser. No. 614,688. Crescent Insulated Wire & Cable Co., Trenton, N. J. Filed June 4, 1951.

IMPERVOIL

For Electrical Cables and Insulation and Covering Materials for Same.
Claims use since May 4, 1951.

Ser. No. 615,294. Springfield Electrical Specialties, Inc., New York, N. Y. Filed June 16, 1951.

SES

For Electrical Condensers and Contacts or Breaker Points.
Claims use since 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 579,891. Donald R. Ray, doing business as Roll-A-Whirl Co., St. James, Mo. Filed June 2, 1949.

ROLL-A-WHIRL

For Amusement Apparatus in the Form of a Ride for Adults and Children.
Claims use since May 1, 1939.

Ser. No. 589,205. The Firelure Corporation, San Francisco, Calif. Filed Dec. 12, 1949.

FIRE

Applicant claims ownership of Registration No. 519,063.
For Fishing Rods, Fishing Reels, Fishing Plugs, Artificial Fishing Flies, Artificial Fishing Lures, Fishing Spinners, Fishing Hooks, Fishing Leaders, Fishing Line, Artificial Fly-Tying Fibre, and Rod Wrapping Thread.
Claims use since Nov. 30, 1949.

Ser. No. 598,058. Thomas E. Braski, Pontiac, Mich. Filed May 25, 1950.

HOLD YOUR TEMPER

For Game Played Upon a Board Marked To Define Paths Along Which Game Pieces Are Moved in Response to the Throw of Dice.
Claims use since Apr. 12, 1950.

Ser. No. 613,698. B.M.C. Manufacturing Corp., Binghamton, N. Y. Filed May 10, 1951.



The words 'The "Mark" In Wheel Goods' and the representation of the wheel are disclaimed.
For Wheels Under Fourteen Inches in Diameter and Used for Juvenile Vehicles Such as Coasters, Wagons, Wheelbarrows, Toy Automobiles, Scooters, Bicycles, and Tricycles.
Claims use since Jan. 29, 1951.

Ser. No. 614,310. Park & Shop, Inc., Allentown, Pa. Filed May 24, 1951.



For Board Game.
Claims use since Apr. 25, 1951.

Ser. No. 616,081. Louis Lo Cascio, doing business as Clown Toy Manufacturing Company, Brooklyn, N. Y. Filed July 5, 1951.

BO JANGLE

For Toys—Namely, Dancing Dolls.
Claims use since May 18, 1951.

Ser. No. 616,762. Chemical Sundries Co., Chicago, Ill. Filed July 21, 1951.

Wonder

Applicant claims ownership of Registration No. 422,810.
For Liquid Bubble Blowing Compositions, Plastic Bubble Blowing Compositions, Bubble Blowing Devices, and Bubble Blowing Kits.
Claims use since October 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 554,962. Efurd Machine & Welding Company, Inc., Bossier City, La. Filed Apr. 19, 1948.

THE Hurricane

The word "The" is disclaimed.
For Post and Pole Creosoting or Wood Preserving Machines and Post Peeling Machines for Preparing Wood Products.
Claims use since March 1947.

Ser. No. 578,972. Grey Iron Casting Company, Mount Joy, Pa. Filed May 17, 1949.

CARRY-ALL

For Sets of Carpenters' Tools Comprising a Steel Chisel, Gimlet, Carpenters' Chalk, Box of Nails, Hammer, Plane, Plier, Sand Paper, Screw Driver, Hand Saw With Blade, Try Square, and Cast Iron Vise Sold as a Unit.
Claims use since Mar. 1, 1949.

Ser. No. 588,893. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 6, 1949. (Sec. 2f.)

EVER READY

Applicant claims ownership of Registration No. 321,104.
For Water Supply Systems Sold as Such (Consisting Essentially of a Water Pump, an Electric Motor or Gasoline Engine for Driving Same, a Pressure Tank, a Pressure Switch for Starting and Stopping the Motor as Well as Valves, Gauges, Etc., Constituting a Complete Water Pumping Outfit for Pumping Water From Wells, Springs, Cisterns or Streams, Forcing It To Plumbing Fixtures and Commonly Used for Supplying Running Water to Homes Not Serviced by Water Mains).
Claims use since Aug. 12, 1929.

Ser. No. 600,804. American Roller Die Corporation, Cleveland, Ohio. Filed July 18, 1950.

ARDCOR

For Roll-Forming Machines for Producing Metal Shapes From Strips of Sheet Metal; Adjustable Cradle Reels for Holding Coil Stock of Strip Sheet Metal; Cut-Off Machines for Metal Strips and Shapes; Trimming and Beading Machines for Formed Shapes and Objects; Guide Entry Tables and Side Roll Stands Used in Conjunction With Roll-Forming Machines; Roller Dies, and Roller Straighteners Used in Conjunction With Roll-Forming Machines.
Claims use since June 15, 1947.

Ser. No. 609,592. Globe Slicing Machine Co., Inc., Stamford, Conn. Filed Feb. 3, 1951.

Globe

Applicant claims ownership of Registrations Nos. 421,157 and 421,162.
For Food Preparing Machines—Namely, Slicing Machines for Slicing Meat, Fish, Cheese, Fruits, Vegetables, and Bread, and Parts of Such Slicing Machines Such as Bases and Base Parts, Knives and Knife Parts, Knife Guards and Knife Guard Parts, Knife Sharpeners and Knife Sharpener Parts, Chutes and Slide Parts for Chutes, Plates and Parts Thereof for Holding the Products To Be Cut, and Slice Deflectors and Slice Deflector Parts.
Claims use since June 1931 as to the mark shown; and since 1920 as to the word "Globe."

Ser. No. 609,922. Globe Slicing Machine Co., Inc., Stamford, Conn. Filed Feb. 10, 1951.



The drawing is lined for the colors light blue and silver.
Applicant claims ownership of Registrations Nos. 421,157 and 421,162.
For Food Comminuting Machines—Namely, Meat Choppers, Meat Grinders, and Parts Thereof.
Claims use since Feb. 8, 1951, as to the mark shown; and since 1920 as to the word "Globe."

Ser. No. 612,076. Hydro-Controls Company, West Allis, Wis. Filed Mar. 31, 1951.

HYTROL

For Endless Belt Conveyors and Gear Speed Reducers.
Claims use since Nov. 18, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 564,968. S. F. Appliances, Limited, Ridgefield, N. J. Filed Sept. 10, 1948.



For Gasolene, Kerosene, Gas, and Charcoal Smoothing Irons.
Claims use since Jan. 1, 1920.

Ser. No. 592,697. Hyman D. Brotman, doing business as Brotman Engineering Company, Base Line, Mich. Filed Feb. 18, 1950.



The word "Launder" is disclaimed.
For Laundry Washing Machines.
Claims use since Nov. 10, 1948.

Ser. No. 607,393. David Lehrman, trading as The Ironees Company, Philadelphia, Pa. Filed Dec. 12, 1950.

Ironees

For Ironing Board Pads and Covers.
Claims use since Nov. 27, 1950.

Ser. No. 609,287. Empire Ironer, Inc., Cincinnati, Ohio. Filed Jan. 26, 1951.

Empire

For Electric Roll-Type Ironers for Home Use.
Claims use since June 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 576,497. Kinax, S. A. R. L., Montreuil-sous-Bois (Seine), France. Filed Apr. 1, 1949.

KINAX

For Photographic Apparatus—Namely, Cameras, Exposure Meters, Shutters, and Parts Thereof.
Claims use since Jan. 1, 1945, in France; and use in commerce between foreign nations and the United States on Aug. 1, 1948.

Ser. No. 578,126. American Zyloptic Co., Inc., New York, N. Y. Filed May 3, 1949.

AZO

For Lenses for Eyeglasses, Goggles, and Spectacles and Eyeglass, Goggle, and Spectacle Frames and Parts Therefor of Metal, Shell, and Various Plastic Compositions.
Claims use since April 1948.

Ser. No. 582,494. Opti-Phonetics, Inc., Tuckahoe, N. Y. Filed July 25, 1949.

A1VA

For Series of Motion Picture Films and Slide Films Containing Educational Matter and Sound Recordings Relating Thereto and Sold With the Films, the Films Being Adapted for Use With or Independently of the Related Sound Recordings.
Claims use since Aug. 4, 1948.

Ser. No. 590,479. The Torsion Balance Company, Clifton, N. J. Filed Jan. 4, 1950.

BECKERLOY

For Stainless Steel Weights Used With Balances and Weighing Scales.
Claims use since Oct. 21, 1949.

Ser. No. 593,402. Ercona Camera Corporation, New York, N. Y. Filed Mar. 4, 1950.

Praktica

For Cameras.
Claims use since Feb. 24, 1950.

Ser. No. 594,204. Evans & Co., Newark, N. J. Filed Mar. 18, 1950.

"tailor-ette"

The word "Tailor" is disclaimed.
For Marking Ruler.
Claims use since Nov. 8, 1949.

Ser. No. 605,858. Invalift, Inc., Seattle, Wash. Filed Nov. 3, 1950.

Flexway

For Weighing Scales.
Claims use since Feb. 7, 1950.

Ser. No. 612,020. Kirtley J. Lintner, Shawnee, Kans. Filed Mar. 30, 1951.

CHA • LIN

The term "Lin" is disclaimed.
For Carpenter's Framing Instrument, Used in Measuring and Marking Building Units During Construction.
Claims use since Mar. 17, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 609,415. Ollendorff Watch Co. Inc., New York, N. Y. Filed Jan. 30, 1951. (Sec. 2f.)

ARTISTIC

Applicant claims ownership of Registration No. 155,346.
For Watches and Clocks.
Claims use since June 15, 1921.

Ser. No. 610,608. The Ball Company, Chicago, Ill. Filed Feb. 28, 1951.

INDIMATIC

For Watches, Watch Movements, and Parts of Watches.
Claims use since Sept. 1, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 601,098. The Curtman Co., Inc., Providence, R. I. Filed July 22, 1950.



For Jewelry for Personal Wear Not Including Watches — Namely, Bracelets, Neck Chains, Brooches, Lockets, Necklaces, and Ornamental Pins, All Made or Plated With Precious Metals.
Claims use since Apr. 1, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 603,067. King Paint Roller, Inc., Detroit, Mich. Filed Sept. 1, 1950.



The representation of the paint roller is disclaimed.
For Paint Roller.
Claims use since October 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 605,029. Great Bear Spring Company, New York, N. Y. Filed Oct. 17, 1950.



Applicant claims ownership of Registration No. 310,331.
For Ice Cooled or Electrically Operated Water Coolers.
Claims use since January 1941 as to the mark shown; and since 1886 as to the representation of a bear.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 563,721. The Brewer-Titchener Corporation, Cortland, N. Y. Filed Aug. 19, 1948.

Hostess

Applicant claims ownership of Registrations Nos. 361,959 and 356,113.
For Tables—Namely, Folding Card Tables, Folding Banquet Tables, and Folding Chairs and Benches.
Claims use since February 1929.

Ser. No. 564,199. S. A. Hirsh Manufacturing Co., Chicago, Ill. Filed Aug. 26, 1948. (Sec. 2f.)

Standard

For Steel Shelving Supports, Consisting of Bases, Uprights and Shelving Brackets.
Claims use since December 1942.

Ser. No. 572,169. Factors To You Furniture Corporation, Philadelphia, Pa. Filed Jan. 14, 1949.

FACTORS TO YOU

For China Closets, Buffets, Serving Tables, Extension Tables, Side Chairs, Armchairs, Beds, Vanities, Dressers, Semivanities, Chifforobes, Chifforettes, Chests of Drawers, Household Chairs, Household Benches, Rockers, Night Tables, Dining Room Suites, Bed Springs, Mattresses, Pillows, Metal Beds, Cribs, Cots, Sliding Couches, Day Beds, Windsor Chairs, Formal Chairs, Boudoir Chairs, Cogswell Chairs, Sewing Cabinets, Console Tables, Occasional Tables, End Tables, Nest of Tables, Tilt Tables, Davenport Tables, Gate-Leg Tables, Telephone Stand and Chair, Combination Telephone Stand and Seat, Smoking Stands, Cedar Chests, Desks, Bookcases, Children's Reed Rockers, High Chairs, Kitchen Suites, Radio Cabinets Exclusive of Sets, Radio Tables, Living Room Furniture Covered in Leather, Velour, or Mohair Comprising Davenports, Sofas, Lounge Chairs, Wing-Back, Barrel-Back, and Club Chairs, Individually and in Groups; Couches, Tea Wagons, Wall Mirrors, Welsh Cupboards, Kitchen Cabinets, Davenports, Sofas, Lounging Chairs, and Straight Back Chairs Made of Reed, Individually and in Groups, Reed Tables, Porch Rockers, Lamp Stands.
Claims use since May 1930.

Ser. No. 582,428. Hawley Products Company, St. Charles, Ill. Filed July 23, 1949.

HAWLITE

For Empty Radio Cabinets, Empty Phonograph Cabinets, and Bureau Drawers.
Claims use since May 1949.

Ser. No. 591,168. Jamestown Table Company, Jamestown, N. Y. Filed Jan. 20, 1950.



The term "Provincial" is disclaimed.
For Dressers, Vanity Dressers, Men's Chests, Chifferobes, Toilet Tables, Night Tables, and Beds (Not Including Springs), Mirrors, Benches, Buffets, Servers, Cupboards, and Chairs.
Claims use since Dec. 1, 1949.

Ser. No. 591,292. Sidney S. Gould, doing business as Combined Industries, Brooklyn, N. Y. Filed Jan. 23, 1950.

"WONDER-BAR"

The word "Bar" is disclaimed.
For Collapsible Combination Clothes Rack, and Shoe Rack.
Claims use since Oct. 1, 1949.

Ser. No. 592,695. Bonded Foam Latex Company, Inc., Cleveland, Ohio. Filed Feb. 18, 1950.

4 in 1

For Portable Foam Rubber Combination Back and Seat Rest.
Claims use since Feb. 5, 1950.

Ser. No. 595,491. The L. Buchman Co. Incorporated, New York and Brooklyn, N. Y. Filed Apr. 10, 1950.

AIR LINE

Applicant claims ownership of Registration No. 257,615.
For Pillows.
Claims use since Mar. 1, 1925.

Ser. No. 600,263. Goldsmith Bros., New York, N. Y. Filed July 6, 1950.

LOCKOMATIC

For Combination Filing and Storage Cabinets.
Claims use since Apr. 26, 1950.

Ser. No. 600,310. Sleep Pure Company, Chicago, Ill. Filed July 6, 1950.

Sleep Pure

The word "Pure" is disclaimed.
For Pillows.
Claims use since June 20, 1950.

Ser. No. 609,711. American Seating Company, Grand Rapids, Mich. Filed Feb. 7, 1951.

TEN TWENTY

For Classroom Desks and Tables.
Claims use since Aug. 1, 1949.

Ser. No. 609,859. The Hettrick Manufacturing Company, Toledo, Ohio. Filed Feb. 9, 1951.

COMMODORE

For Gliders.
Claims use since Oct. 25, 1950.

Ser. No. 609,860. The Hettrick Manufacturing Company, Toledo, Ohio. Filed Feb. 9, 1951.

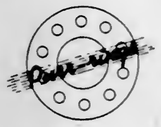
TERRACE

For Gliders.
Claims use since Dec. 13, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 588,040. Edward A. Mowll, San Francisco, Calif. Filed Nov. 18, 1949.



The term "Rings" and the representation of the goods are disclaimed.
For Disc Made of Sound Deadening Material Adapted To Be Positioned Between the Wheel and Brake Drum of an Automobile To Absorb the Road Noise Normally Carried by the Wheel of the Vehicle and Prevent the Same From Being Transmitted to the Brake Drum and Body of the Vehicle.
Claims use since Oct. 25, 1949.

Ser. No. 609,878. The Ohio Rubber Company, Willoughby, Ohio. Filed Feb. 9, 1951.

SOIL KING

The word "Soil" is disclaimed. Applicant claims ownership of Registration No. 442,299.
For Semi-Pneumatic Rubber Tires for Agricultural Implements.
Claims use since Jan. 9, 1951.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 536,740. Decca Records, Inc., New York, N. Y. Filed July 26, 1947.



For Mechanically Grooved Phonograph Records.
Claims use since Aug. 15, 1946.

Ser. No. 543,228. H. & A. Selmer, Incorporated, Elkhart, Ind. Filed Dec. 3, 1947.

SPEEDEX

For Saxophone-Supporting Neck Straps and Musical Instrument Swabs, Said Swabs Being Used for Cleaning Bores of Woodwind and Brasswind Instruments.
Claims use since May 1, 1947.

Ser. No. 558,871. The Decca Record Company Limited, London, England. Filed June 10, 1948.

Beltona

For Mechanically Grooved Gramophone Records.
Claims use since 1924 in Great Britain; and use in commerce between foreign nations and the United States since 1933.

Ser. No. 572,456. Schulmerich Electronics, Incorporated, Sellersville, Pa. Filed Jan. 19, 1949.

Schulmetronic

For Musical Instruments—Namely, Keyboard Operated or Roll Operated Chime or Bell Instruments for Producing Tunes; Mechanically Grooved Phonographic Records; and Rolls Used in Said Chime or Bell Instruments.
Claims use since Dec. 23, 1948.

Ser. No. 617,238. Farfisa Societa Per Azione, Ancona, Italy. Filed Aug. 2, 1951.

Sopran

For Accordions.
Claims use since Jan. 1, 1872, in Italy; and first used in commerce between Italy and the United States on Jan. 1, 1915.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,057. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Feb. 12, 1951. (Sec. 2f.)



The word "Linen" is disclaimed. The drawing is lined for green.
For Paper Tablets.
Claims use since 1909 as to "Irish Linen"; and since Feb. 15, 1934, as to the mark shown.

Ser. No. 526,118. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Sept. 14, 1948.



For Paper Tablets.
Claims use since Mar. 1, 1922.

Ser. No. 527,187. Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Filed July 5, 1947. (Sec. 2f.)

VERIBEST

Applicant claims ownership of Registration No. 382,904.
For Wrapping Paper.
Claims use since Oct. 4, 1937.

Ser. No. 565,766. Fox River Paper Corporation, Appleton, Wis. Filed Sept. 24, 1948. (Sec. 2f.)

DICTATION TRU-OPAQUE

Applicant claims ownership of Registrations Nos. 386,191 and 168,226.
For Bond and Ledger Paper.
Claims use since Sept. 11, 1941.

Ser. No. 574,700. Hammel, Riglander & Co., Inc., New York, N. Y. Filed Mar. 1, 1949.

KEYSTONE

For Watch Repair Record Books.
Claims use since 1900.

Ser. No. 589,406. Economy Tablet & Paper Co., Chicago, Ill. Filed Nov. 12, 1949.

ECONO

For Partially Printed Paper Bands Used by Laundries To Maintain Shirts and Other Laundried Goods in Folded Condition.
Claims use since June 1934.

Ser. No. 591,923. The Framar Mfg. Co., New York and Brooklyn, N. Y. Filed Feb. 3, 1950.

BALL-ERINA

The word "Ball" is disclaimed.
For Ball Point Ink Pencils.
Claims use since Jan. 1, 1948.

Ser. No. 597,159. Newark Paraffine & Parchment Paper Co., Newark, N. J. Filed May 9, 1950.

GLOSSTITE

For Cellulose Wrapping Paper.
Claims use since Jan. 12, 1950.

Ser. No. 610,511. Crown Zellerbach Corporation, San Francisco, Calif. Filed Feb. 26, 1951.

ALPINE

For Toilet Tissue.
Claims use since Dec. 30, 1922.

Ser. No. 610,512. Crown Zellerbach Corporation, San Francisco, Calif. Filed Feb. 26, 1951.

ARGONAUT

For Toilet Tissue.
Claims use since Dec. 30, 1922.

Ser. No. 610,715. Puritan Stationery Company, Inc., Philadelphia, Pa. Filed Mar. 1, 1951.

Townbrook

For Writing Paper and Mailing Envelopes.
Claims use since Feb. 13, 1951.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 584,768. The India Rubber Review Company, Akron, Ohio. Filed Sept. 13, 1949. (Sec. 2f.)

SUPER SERVICE
Tire Review

Applicant claims ownership of Registration No. 266,569.
For Monthly Publication.
Claims use since February 1929.

Ser. No. 594,196. C-F Enterprises, San Francisco, Calif. Filed Mar. 18, 1950.

Fem-Time Table

The term "Time Table" is disclaimed.
For Feminine Hygiene Calendar.
Claims use since Mar. 1, 1950.

Ser. No. 595,217. H. Felix Kraus, doing business as Prints International, New York, N. Y. Filed Apr. 4, 1950.

PERMART-PRINT

The word "Print" is disclaimed.
For Laminated Color Reproductions of Pictures and Other Reproductions on a Variety of Decorative Backgrounds.
Claims use since Mar. 20, 1950.

Ser. No. 595,989. Slocum Publishing Company, Detroit, Mich. Filed Apr. 19, 1950. (Sec. 2f.)

Automotive News

For Periodical.
Claims use since June 4, 1938.

Ser. No. 597,243. United Sound and Signal Co., Inc., Columbia, Pa. Filed May 10, 1950.

STOPPER

For Lettered Advertising Display Cards.
Claims use since Dec. 29, 1949.

Ser. No. 607,036. National Industrial Conference Board, Inc., New York, N. Y. Filed Nov. 28, 1950.

American Affairs

The word "American" is disclaimed.
For Periodic Publication.
Claims use since January 1945.

Ser. No. 607,220. The Hearst Corporation, New York, N. Y. Filed Dec. 2, 1950. (Sec. 2f.)

DR. BOBBS

Said trade-mark is fictitious. Applicant claims ownership of Registration No. 411,778.
For Newspaper Cartoon Strip.
Claims use since June 30, 1941.

Ser. No. 608,218. The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Filed Dec. 29, 1950.



For Pamphlets Issued From Time to Time.
Claims use since Jan. 26, 1949.

Ser. No. 608,487. Automotive Advertisers Council, New Castle, Ind. Filed Jan. 8, 1951. COLLECTIVE MARK.



The words "Get It From Your Jobber" are disclaimed.
For Trade Journals and Circulars.
Claims use since January 1950.

Ser. No. 608,688. Washington Publications, Inc., New York, N. Y. Filed Jan. 11, 1951.

ALEXANDER
TAX NEWS LETTER

The words "Tax News Letter" are disclaimed.
For Weekly Periodical.
Claims use since July 7, 1936.

Ser. No. 609,416. The Pantasote Company, Passaic, N. J., and New York, N. Y. Filed Jan. 30, 1951.

The Pantasote

For Printed Publication Issued Periodically.
Claims use since March 1934.

Ser. No. 609,645. The Grand Chapter of Phi Sigma Kappa, Chicago, Ill. Filed Feb. 5, 1951.

THE SIGNET

For Periodical Publication.
Claims use since 1879.

Ser. No. 610,137. The Parents' Institute, Inc., New York, N. Y. Filed Feb. 15, 1951.

Compact

For Magazine Published Quarterly.
Claims use since Jan. 19, 1951.

Ser. No. 610,138. The Parents' Institute, Inc., New York, N. Y. Filed Feb. 15, 1951.

21

Applicant claims ownership of Registration No. 500,763.
For Magazine Published Quarterly.
Claims use since Apr. 15, 1947.

Ser. No. 610,303. Visual Education Association, Inc., Dayton, Ohio. Filed Feb. 19, 1951.



For Sets of Cards Containing Information Used for Instruction and Educational Purposes.
Claims use since Apr. 25, 1949.

Ser. No. 610,723. United Feature Syndicate, Inc., New York, N. Y. Filed Mar. 1, 1951.

SLUGGO

For Feature in a Periodical Issued From Time to Time.
Claims use since July 1, 1948.

Ser. No. 611,084. Katherine E. Fisher, doing business as Current Reports, New York, N. Y. Filed Mar. 9, 1951.

COMPACT

For Periodical Devoted to Subjects Pertinent to Women.
Claims use since September 1949.

CLASS 39
CLOTHING

Ser. No. 561,190. Joseph H. Everston, Milwaukee, Wis. Filed July 12, 1948.

BUMPERS

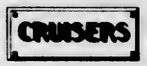
For Shoes for Infants and Small Children.
Claims use since Apr. 20, 1948.

Ser. No. 569,511. Dover Lane Clothes, Inc., New York, N. Y. Filed Nov. 27, 1948.



The name "Dover Lane" is fanciful.
For Men's Suits, Coats, Vests, Trousers, Topcoats, and Overcoats.
Claims use since Oct. 1, 1948.

Ser. No. 575,363. Miller-Jones Company, Columbus, Ohio. Filed Mar. 12, 1949.



For Shoes for Women Constructed of Leather.
Claims use since Dec. 1, 1937.

Ser. No. 593,360. Mavest Inc., New York, N. Y. Filed Mar. 3, 1950.

CORDEX

For Sport Coats for Men, Women, and Children.
Claims use since Feb. 15, 1950.

Ser. No. 595,457. Even-Pul Foundations, Inc., New York, N. Y. Filed Apr. 8, 1950.

Glamour-rise

For Brassières, Girdles, Corselets, and Foundation Garments.
Claims use since Mar. 13, 1950.

Ser. No. 596,242. Sanson Hosiery Mills, Inc., Philadelphia, Pa. Filed Apr. 24, 1950.

SANSONIZED

For Women's Hosiery.
Claims use since Apr. 10, 1950.

Ser. No. 597,732. Marjorie Benedikter Sports-Wear, Inc., Minneapolis, Minn. Filed May 19, 1950.

MARJORIE BENEDIKTER

For Ladies', Men's, and Children's Ski Suits, Ski Pants, Ski Blouses, and Ski Underwear; Ladies' Dresses and Tailored Suits; Men's Slacks, Jackets, Shooting Jackets; and for Hand Knit Sweaters and Hats and Caps.
Claims use since Aug. 1, 1941.

Ser. No. 598,799. La Crosse Rubber Mills Company, La Crosse, Wis. Filed June 8, 1950. (Sec. 2f.)

LA CROSSE

Applicant claims ownership of Registrations Nos. 89,673, 228,791, 159,012, and others.
For Rubber Footwear—Namely, Boots, Shoes, Overshoes, Gaiters, Sandals, Tennis Shoes and Play Shoes Made of Rubber or Fabric or Combinations of Said Materials for the Use of Men, Women, and Children.
Claims use since February 1945 as to the mark shown; and since May 1897 as to the word "La Crosse."

Ser. No. 598,800. La Crosse Rubber Mills Company, La Crosse, Wis. Filed June 8, 1950. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 89,673, 228,791, 159,012, and others.
For Rubber Footwear—Namely, Boots, Shoes, Overshoes, Gaiters, Sandals, Tennis Shoes and Play Shoes Made of Rubber or Fabric or Combinations of Said Materials for the Use of Men, Women and Children.
Claims use since February 1945 as shown; and since May 1897 as to the word "La Crosse" and the picture of an Indian head.

Ser. No. 606,958. Terry Hill, Inc., New York and Astoria, N. Y., assignor to Nancy Gale, Ltd., New York, N. Y., a corporation of New York. Filed July 20, 1950.

Nancy Gale Casuals

The word "Casuals" is disclaimed. The name "Nancy Gale" is fanciful.
For Ladies' Dresses.
Claims use since June 26, 1950.

Ser. No. 606,783. Kessler Shoe Manufacturing Company, Inc., Westminster, Md. Filed Nov. 22, 1950.

MOTHER GOOSE

For Infants' and Children's Shoes.
Claims use since March 1947.

Ser. No. 607,129. Jamison Classics, Inc., New York, N. Y. Filed Nov. 30, 1950.

Chambray Club

The word "Chambray" is disclaimed. Applicant claims ownership of Registration No. 415,737.
For Ladies' and Misses' Dresses, Slacks, Outer Shorts, Blouses, Jumpers, Suits, Sun-Suits, Sun Dresses, Tennis Dresses, Playsuits.
Claims use since May 1944.

Ser. No. 607,374. Broitman-Gaffin Shoes, Inc., New York, N. Y. Filed Dec. 12, 1950.

Niccolini

For Women's and Children's Shoes of Leather, Rubber, Fabric, Plastics, and Combinations Thereof.
Claims use since Sept. 20, 1950.

Ser. No. 607,653. Acme Boot Mfg. Co., Inc., Clarksville, Tenn. Filed Dec. 14, 1950.

ACME

For Men's, Women's, and Children's Boots.
Claims use since Nov. 4, 1929.

Ser. No. 608,087. Royce Shoe Corporation, Newmarket, N. H. Filed Dec. 26, 1950.

Rockettes

For Women's Shoes Made of Leather, Fabric, Synthetic Materials, and Combinations Thereof.
Claims use since Dec. 14, 1950.

Ser. No. 608,254. Lucky Stride Shoes, Inc., Maysville, Ky. Filed Dec. 30, 1950.

FASHION-SHOW FLATS

The word "Flats" is disclaimed.
For Women's Shoes Made of Leather, Rubber, Fabric, and/or a Combination of These Materials.
Claims use since Nov. 1, 1950.

Ser. No. 608,450. Daytimer Shoe Company, Worcester, Mass. Filed Jan. 6, 1951.

"On Call"

For Women's and Misses' Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since May 1948.

Ser. No. 608,922. Converse Rubber Corporation, Malden, Mass. Filed Jan. 18, 1951.

MIDGET LEAGUER

For Rubber-Soled Canvas Shoes for Men and Boys, Women and Girls.
Claims use since Sept. 1, 1950.

Ser. No. 609,629. Cannon Shoe Company, Baltimore, Md. Filed Feb. 5, 1951.

Beauty Pageant

For Ladies' and Misses' Shoes Made of Leather, Fabric, Rubber, and/or Any Combination Thereof.
Claims use since Oct. 31, 1950.

Ser. No. 610,458. Pied Piper of Dallas, Dallas, Tex. Filed Feb. 23, 1951.

YOUNG TEXAN

For Clothing for Infants, Boys and Girls—Namely, Jackets, Skirts, Pants, Overalls, and Crawler Sets.
Claims use since Feb. 14, 1951.

Ser. No. 610,561. Ideal Hosiery Mills, Philadelphia, Pa. Filed Feb. 27, 1951.

Little Chips

Applicant claims ownership of Registration No. 189,594.
For Infants' and Children's Hosiery.
Claims use since Aug. 23, 1923.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 570,566. Henry J. Mackin, doing business as H. J. Mackin Sales Co., Momence, Ill. Filed Dec. 16, 1948.

DUO STRIPE

The word "Stripe" is disclaimed.
For Venetian Blind Supporting Tape.
Claims use since Oct. 28, 1947.

Ser. No. 610,577. Northeastern Plastics, Inc., Boston, Mass. Filed Feb. 27, 1951.

Beaux Arts

For Combs.
Claims use since July 1950.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 610,413. Comfort Equipment Company, Kansas City, Mo. Filed Feb. 23, 1951.

KOOL-TOP

For Umbrellas.
Claims use since Mar. 20, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 601,908. Herbert Manufacturing Co., Inc., New York, N. Y. Filed Aug. 8, 1950. (Sec. 2f.)

Bonafide

Applicant claims ownership of Registrations Nos. 411,564, 417,082, and 374,705.
For Piece Goods of Cotton, Rayon, and Combinations Thereof.
Claims use since Jan. 2, 1921.

CLASS 43

THREAD AND YARN

Ser. No. 608,556. Lily Mills Company, Shelby, N. C. Filed Jan. 9, 1951.

NYLKARA

For Yarn Formed of Nylon and "Vicara" ("Vicara" Is the Registered Trade-Mark of Virginia-Carolina Chemical Corporation for Synthetic Fibers Made From Zein, a Protein Extracted From Corn).
Claims use since Dec. 29, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 562,083. Piper Brace Co., Kansas City, Mo. Filed July 23, 1948. (Sec. 2f.)

RUPTURE-EASER

The word "Rupture" is disclaimed.
For Hernia Supporting Trusses.
Claims use since July 6, 1948.

Ser. No. 582,919. Jean Leclabart, Paris, France. Filed Aug. 3, 1949.

TEPIDA

Applicant claims ownership of French Registration No. 394,399, dated Nov. 28, 1946.
For Hairwaving Apparatus—Namely, Clamps, Heating Sleeves, Heating Containers for the Sleeves, and Insulating Pads.

Ser. No. 607,018. Hanovia Chemical and Manufacturing Company, Newark, N. J. Filed Nov. 28, 1950.

Solette

For Ultraviolet Lamps for Therapeutic Purposes.
Claims use since June 2, 1948.

Ser. No. 608,295. Admar Laboratories International, Inc., Chicago, Ill. Filed Jan. 3, 1951.

PARISIAN PROP-ETTES

The word "Parisian" is disclaimed.
For Retractors for Withdrawing Loose Skin From the Face in Minimizing Facial Senescence.
Claims use since Nov. 2, 1950.

Ser. No. 608,790. Fashioncraft Products, Brooklyn, N. Y. Filed Jan. 15, 1951.

THERMO-POUCH

The word "Pouch" is disclaimed.
For Nursing Bottle Holders.
Claims use since Jan. 24, 1950.

Ser. No. 608,996. Myerson Tooth Corporation, Cambridge, Mass. Filed Jan. 19, 1951.

SHEAR-KUSP

The word "Kusp" is disclaimed.
For Artificial Teeth.
Claims use since Oct. 3, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 609,403. Essential Products Co., Inc., New York, N. Y. Filed Jan. 30, 1951.

SNAP UP

Applicant claims ownership of Registration No. 68,737.
For Maltless Soft Drinks and Flavoring Extracts for Soft Drinks.
Claims use since July 21, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 508,541. Michigan Salt Company, St. Louis, Mich. Original filed, act of 1905, Sept. 5, 1946; amended to application under act of 1946, Principal Register, Jan. 17, 1949. (Sec. 2f.)

Crystal Flow

The word "Crystal" is disclaimed.
For Table Salt.
Claims use since Jan. 20, 1939.

Ser. No. 519,480. Mexiburger Company, Grand Rapids, Minn. Original filed, act of 1905, Mar. 24, 1947; amended to application under act of 1946, Principal Register, Nov. 15, 1948.



The words "So-o Swell" are disclaimed.
For Mixed Spices Used in Sandwich Mix Preparation.
Claims use since Feb. 19, 1947.

Ser. No. 539,078. Phenix Pabst-Ett Company, Chicago, Ill. Filed Oct. 25, 1947. (Sec. 2f.)

CHEEZHAM

Applicant claims ownership of Registration No. 299,243.
For Cheese Product Consisting Principally of American Cheese Which Is Pasteurized With Other Dairy Products, Ham, and Emulsifier.
Claims use since Nov. 19, 1930.

Ser. No. 545,993. Jewett & Sherman Co., doing business under the name Holsum Products, Milwaukee, Wis. Filed Jan. 2, 1948.

TROPICAL

Applicant claims ownership of Registrations Nos. 64,544, 172,978, and 179,602.
For Olives, Sandwich Spread, Salad Dressing, Pickles, Mayonnaise, Food Flavoring Extracts, Prepared Mustard, Coffee, Tea, Peanut Butter, Worcestershire Sauce, and Table Syrup.
Claims use since Aug. 13, 1907.

Ser. No. 547,623. William Davies Co., Inc., Chicago, Ill. Filed Jan. 21, 1948. (Sec. 2f.)

DAVIES TENDERSWEET

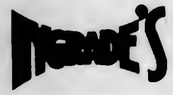
Applicant claims ownership of Registration No. 392,854.
For Cooked Hams and Pork Shoulder Picnics.
Claims use since Mar. 16, 1937.

Ser. No. 547,795. Van Dusen Harrington Co., now by change of name from King Midas Mill Company, and doing business under the name The Christian Mills, Minneapolis, Minn. Filed Jan. 22, 1948.

GILT EDGE

For Wheat Flour Sold in Sacks to the Commercial Bakers of Flour Products.
Claims use since 1891.

Ser. No. 548,372. Hygrade Food Products Corporation, New York, N. Y. Filed Jan. 30, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 142,579.
For Lard, Beef Frankfurters, Beans and All Beef Frankfurters, Beef Cube Steaks, Jellied Corned Beef, Corned Beef Hash, Meat Loaf, Pork Loin for Roast, Pork Sausage, Lamb Stew, Spaghetti, Macaroni, Noodles, and Cheese.
Claims use since January 1915.

Ser. No. 553,607. Flour Mills of America, Inc., doing business under the name and style of Goodlander Mills Company, Kansas City, Mo., and Fort Scott, Kans. Filed Apr. 1, 1948.



The figure shown on the drawing is fanciful. The drawing is lined for shading.
For Stock and Poultry Feeds.
Claims use since Jan. 1, 1942.

Ser. No. 564,358. Tama Trading Company, Inc., Los Angeles, Calif. Filed Aug. 28, 1948. (Sec. 2f.)



For Cottonseed Salad Oil.
Claims use since Mar. 15, 1927.

Ser. No. 576,079. C. B. Stout, doing business as Baltic Mills, Memphis, Tenn. Filed Mar. 25, 1949.



For Wheat Flour.
Claims use since 1873.

Ser. No. 581,004. N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands. Filed June 24, 1949.

POLVAROMAS

Applicant claims ownership of Dutch Registration No. 90,559, dated Nov. 24, 1947.
For Fruit Essences for Flavoring and Odorifying Foodstuffs.

Ser. No. 581,006. N. V. Polak & Schwarz's Essencefabrieken, Zaandam, Netherlands. Filed June 24, 1949.

POWDAROMAS

Applicant claims ownership of Dutch Registration No. 90,558, dated Nov. 24, 1947.
For Fruit Essences for Flavoring and Odorifying Foodstuffs.

Ser. No. 585,608. Southern Biscuit Company, Incorporated, Richmond, Va. Filed Sept. 30, 1949.



The words "Cookie Assortment" are disclaimed. Applicant claims ownership of Registrations Nos. 220,142, 331,342, and others.
For Cookies.
Claims use since Aug. 31, 1949.

Ser. No. 587,742. Osceola Foods, Inc., Osceola, Ark. Filed Nov. 14, 1949.



The drawing is lined for red.
For Oleomargarine.
Claims use since Nov. 1, 1949.

Ser. No. 590,354. R. H. Macy & Co., Inc., New York, N. Y. Filed Jan. 9, 1950. (Sec. 2f.)

MARCEAU

Applicant claims ownership of Registration No. 270,884.
For Canned and Bottled Foods—Namely, Norwegian Brisling Sardines, Holland Jams, French Olive Oil, Genuine Swiss Gruyere Process Cheese, Jams of Bar-le-Duc, French Wine Vinegar, Goose Liver Paste Truffled, Hotel Mushrooms, Extra Fine French Peas, French Caper Non Pareilles in Vinegar, Pate de Foie Gras, Dijon Mustard, French Corn in Vinegar, Genuine Bourbon Vanilla Beans, Boneless Anchovies in Pure Olive Oil, and Brushed Truffles.
Claims use since 1896.

Ser. No. 590,826. Norris Inc., Atlanta, Ga. Filed Jan. 13, 1950. (Sec. 2f as to "Norris Exquisite.")



Applicant claims ownership of Registrations Nos. 131,842, 386,998, 392,790, 519,203, and 523,658.
For Candy.
Claims use since July 15, 1937.

Ser. No. 594,216. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed Mar. 18, 1950.

BROWN 'N SERVE

For Wheat Flour.
Claims use since Feb. 16, 1950.

Ser. No. 597,520. The French Sardine Company of California, Terminal Island, Calif. Filed May 16, 1950.



Applicant claims ownership of Registration No. 238,737.
For Canned Fish.
Claims use since 1927.

Ser. No. 598,425. Mayflower Mills, Fort Wayne, Ind. Filed June 1, 1950.

CAREFREE

Applicant claims ownership of Registration No. 298,294.
For Wheat Flour and Prepared Biscuit Mixes.
Claims use since Oct. 12, 1931.

Ser. No. 600,161. Blaine-Roper Co., Ivanhoe, Calif. Filed July 3, 1950.



For Fresh Grapes.
Claims use since June 15, 1950.

Ser. No. 601,469. School House Candy Co., Providence, R. I. Filed July 29, 1950. (Sec. 2f.)



Applicant claims ownership of Registration No. 425,048.
For Candies, Specifically Lump Candy at the End of a Stick.
Claims use since July 5, 1945.

Ser. No. 603,151. Romelle Fay, doing business as Genius Foods Company, Pasadena, Calif. Filed Sept. 5, 1950.

Genius

For Flavoring for Foods, Consisting of a Blend of: Vanilla, Aldehydes, Lactones, Oil of Bitter Almonds, Propylene Glycol, Water, and Sugar.
Claims use since Aug. 4, 1950.

Ser. No. 603,831. Emil A. Belle, doing business as Belle Home Food Co., Syracuse, N. Y. Filed Sept. 21, 1950.

LUIGI'S

For Spaghetti Sauce.
Claims use since 1947.

Ser. No. 605,881. The Taylor Provision Company, Trenton, N. J. Filed Nov. 3, 1950. (Sec. 2f.)

TRENTON

For Pork Roll Put Up in Fabric Bags for Distribution to the Consumer.
Claims use since 1909.

Ser. No. 606,931. Bahamian Mustard Co., Inc., New York, N. Y. Filed Nov. 25, 1950. (Sec. 2f.)



The word "Mustard" is disclaimed.
For Mustard.
Claims use since Sept. 17, 1934, as to the mark shown omitting the word "Formula"; and since 1936 as to the composite mark shown.

Ser. No. 608,104. Comics Novelty Candy Corp., New York, N. Y. Filed Dec. 27, 1950.

HUMPHREY'S LUNCH

The word "Humphrey's" is disclaimed.
For Packages Containing Candy and a Toy.
Claims use since Sept. 14, 1950.

Ser. No. 608,191. The South Shore Packing Corporation, Vermilion, Ohio. Filed Dec. 26, 1950.

Canasta

For Olives.
Claims use since Feb. 10, 1950

Ser. No. 609,715. Evans Industries, Inc., Marion, Ind. Filed Feb. 7, 1951.

HYPOINT

For Canned Dog Food.
Claims use since Dec. 18, 1950.

Ser. No. 611,829. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Mar. 27, 1951.

TUXEDO

Applicant claims ownership of Registration No. 71,286.
For Canned Fish.
Claims use since Apr. 16, 1893.

Ser. No. 612,184. Sierra Madre-Lamanda Citrus Association, Pasadena, Calif. Filed Apr. 3, 1951. (Sec. 2f.)

Sierra Madre

Applicant claims ownership of Registration No. 307,266.
For Fresh Citrus Fruits.
Claims use since Jan. 15, 1932.

Ser. No. 614,614. Buffalo Frosted Foods, Inc., Fredonia, N. Y. Original filed, act of 1946, Supplemental Register, June 1, 1951; amended to application, Principal Register, Sept. 11, 1951.

Luigi's

For Tomato Juice and Canned Tomatoes.
Claims use since Apr. 10, 1950.

Ser. No. 615,870. Minute Maid Corporation, New York, N. Y. Filed June 6, 1951. (Sec. 2f.)

MINUTE MAID

For Frozen Concentrated Juices of Citrus Fruits.
Claims use since Apr. 30, 1946.

CLASS 47

WINES

Ser. No. 604,212. Monarch Wine Company of Ga., also trading as Growers Outlet, Atlanta, Ga. Filed Sept. 29, 1950.

ACE-HI

For Wines.
Claims use since Nov. 30, 1941.

Ser. No. 607,827. Petri Wine Company, also doing business as Angelo Petri Vineyards, San Francisco, Calif. Filed Dec. 18, 1950.



The word "Signature" is disclaimed. The name is in the handwriting of Angelo Petri. Applicant claims ownership of Registrations Nos. 104,153, 104,154, and others.
For Wines and Champagnes.
Claims use since Aug. 26, 1949.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 567,181. Bosch Brewing Company, Houghton, Mich. Filed Oct. 19, 1948. (Sec. 2f.)

Stock
Superior

For Beer.
Claims use since 1874.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 552,039. Cointreau Corporation, Pennington, N. J. Filed Mar. 16, 1948. (Sec. 2f.)

Cointreau Père & Fils

Applicant claims ownership of Registrations Nos. 94,714, 328,869, and others.
For Apricot Liqueur, Blackberry Liqueur, Peppermint Liqueur, Creme de Cacao, Kummel, Anisette, Blackberry Flavored Brandy.
Claims use since December 1934.

Ser. No. 578,675. Arthur Bell & Sons Ltd., Perth, Scotland. Filed May 12, 1949. (Sec. 2f.)

BELL'S

Applicant claims ownership of Registrations Nos. 312,006, 401,242, and 404,245.
For Scotch Whiskey.
Claims use since 1933 in the United Kingdom; and first used in commerce between the United Kingdom and the United States on Dec. 12, 1933.

Ser. No. 591,446. "21" Brands Distillers Corporation, New York, N. Y. Filed Jan. 25, 1950.

"21" Brands

The word "Brands" is disclaimed apart from the mark as shown.
For Whiskey.
Claims use since December 1933.

Ser. No. 606,569. David Sandeman & Son Ltd., Glasgow, Scotland. Filed Nov. 17, 1950.

King's Vat

The word "Vat" is disclaimed.
For Blended Scotch Whiskey.
Claims use since 1930 in Great Britain; and first used in commerce among the several States of the United States in October 1949.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 575,988. International Manufacturing Co., Roxbury, Mass. Filed Mar. 24, 1949.

RAYLITE

For Clear Transparent Plastic Sheets Made in Various Sizes To Be Used in Frames.
Claims use since Jan. 2, 1946.

Ser. No. 591,358. Mrs. Caroline Cordray, Cleveland, Ohio. Filed Jan. 24, 1950.

Mrs. A. C. Cordray

The mark is a facsimile representation of the signature of the applicant.
For Kits or Packages Containing Cooking Tubes or Molds, Tongs, and Recipes for Making Pastries.
Claims use since Oct. 5, 1949.

Ser. No. 593,275. Jamestown Finishing Products, Inc., Jamestown, N. Y. Filed Mar. 2, 1950.

ALAFLEX

For Plastic Sheet Material Simulating Leather.
Claims use since Nov. 16, 1949.

Ser. No. 593,570. Snyder & Black, New York, N. Y. Filed Mar. 7, 1950.

Multi-Blox

The term "Blox" is disclaimed.
For Non-Electrical Advertising Signs.
Claims use since Feb. 21, 1950.

Ser. No. 600,975. Roller Derby Associates, Chicago, Ill. Filed July 20, 1950.

ROLLER DERBY

Applicant claims ownership of Registration No. 336,652.
For All Types of Pennants, Lapel Buttons of Non-Precious Materials and Pendants Therefor.
Claims use since July 15, 1935.

Ser. No. 605,999. The Danbury Rubber Company, Inc., Danbury, Conn. Filed Nov. 7, 1950. (Sec. 2f as to "Danbury.")

DANBURY

Applicant claims ownership of Registration No. 430,550.
For Pre-Shaped Rubber Covers for Table Tops.
Claims use since the Spring season of 1928 as to "Danbury"; and since January 1947 as to the mark shown.

Ser. No. 607,924. George E. Belcher Company, Stoughton, Mass. Filed Dec. 21, 1950.

KOM-PAK

For Shoe Trees.
Claims use since Oct. 16, 1950.

Ser. No. 607,984. Farrington Manufacturing Company, Boston and Jamaica Plain, Boston, Mass. Filed Dec. 22, 1950.

CHARGA—CARD

Applicant claims ownership of Registrations Nos. 280,020 and 511,494.
For Mounted and Unmounted Blank Printing Plates.
Claims use since Nov. 15, 1950.

Ser. No. 608,981. Castle Distributing Corporation, New York, N. Y. Filed Jan. 19, 1951.

Kronenadler

The trade-mark "Kronenadler" translated into the English language means "Crown-Eagle."
For Porcelain Figurines.
Claims use since Jan. 2, 1951.

Ser. No. 608,982. Castle Distributing Corporation, New York, N. Y. Filed Jan. 19, 1951.

Schlossback 1805

For Porcelain Figurines.
Claims use since Jan. 11, 1951.

Ser. No. 610,622. George O. Jenkins Company, Bridgewater, Mass. Filed Feb. 28, 1951.

LEATHEROK

Applicant claims ownership of Registration No. 399,393.
For Fibreboard in Sheet Form Which Is a Leather Substitute for Use in Making Heel Bases and Built-Up Heels for Shoes.
Claims use since Jan. 7, 1939.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 585,486. Helene Curtis Industries, Inc., Chicago, Ill. Filed Aug. 17, 1949.

Flexa-Wave

The word "Wave" is disclaimed.
For Cold Hair Waving Solutions.
Claims use since Aug. 15, 1949.

Ser. No. 592,597. J. & E. Atkinson Limited, London, England. Filed Feb. 17, 1950.

ATKINSONS

24 FLOWERS

Applicant claims ownership of Registrations Nos. 231,392, 293,385, 513,848, 513,849, 513,850, and 516,282.
For Eau de Cologne.
First used in 1872; and since 1927 in commerce between foreign nations and the United States as to "Atkinsons"; and since November 1949 as to the mark shown.

Ser. No. 609,009. Syntomatic Corporation, New York, N. Y. Filed Jan. 19, 1951.

GERANIDAR

For Perfumes, Toilet Waters, Perfume Oil, and Toilet Cream.
Claims use since Apr. 21, 1950.

Ser. No. 609,775. Avon Products, Inc., New York, N. Y. Filed Feb. 8, 1951.

PERSIAN WOOD

For Cream Lotion, Bath Oil, Body Powders, Bath Salts, Sachet Powders, Perfume, Toilet Water, and Cologne.
Claims use since Jan. 30, 1951.

Ser. No. 611,606. Glo-an Products, Inc., West Caldwell, N. J. Filed Mar. 21, 1951.

Gloan

For Liquid Hair Straightener and a Liquid Hair Rinse Lotion.
Claims use since Mar. 1, 1951.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 564,236. Catalina Island Soap Corporation, assignee of Ralph S. Willard, doing business as Catalina Island Soap Co., Los Angeles, Calif. Filed July 26, 1948.



For Bar Soap.
Claims use since Mar. 23, 1948.

Ser. No. 586,564. The Baker Castor Oil Company, Jersey City, N. J. Filed Oct. 19, 1949.

SOLRICIN

For Compositions Comprising Soluble Soaps (Sodium, Potassium, Ammonium and Amine) of Castor Oil, Which Compositions May Contain Glycerine or Fatty Acid Esters, or Both, and Are Variously Used as Emulsion Stabilizers or for Pigmented Compositions, Such as Rubber Latex Compounds, and Also as Grease Stabilizers, Rust Inhibitors, and Generally as Soaps or Dispersing Agents Where Germicidal Properties Are of Value.
Claims use since June 8, 1949.

Ser. No. 591,921. Fels & Company, Philadelphia, Pa. Filed Feb. 3, 1950.

FELSUDS

For Soap and Synthetic Organic Detergent for General Washing and Household Cleaning.
Claims use since Jan. 23, 1950.

Ser. No. 593,405. Fels & Company, Philadelphia, Pa. Filed Mar. 4, 1950.

FELSIT

For Soaps and Organic Detergents for General Washing and Household Cleaning.
Claims use since Feb. 20, 1950.

Ser. No. 599,949. Independent Grocers Alliance Distributing Co., Chicago, Ill. Filed June 29, 1950.

IGA Ease

Applicant claims ownership of Registration No. 267,744.
For Soap Used for Washing and for General Household Cleaning Purposes.
Claims use since Mar. 22, 1950.

Ser. No. 608,247. The Hygienic Products Company, Canton, Ohio. Filed Dec. 30, 1950.



Applicant claims ownership of Registrations Nos. 108,251, 263,929, and others.
For Cleaning Powder for Water-Closet Bowls and Automobile Radiators.
Claims use since Nov. 22, 1950.

Ser. No. 608,249. The Hygienic Products Company, Canton, Ohio. Filed Dec. 30, 1950.

Sani-Flush

Applicant claims ownership of Registrations Nos. 86,062, 263,929, and others.
For Cleaning Powder for Water-Closet Bowls and Automobile Radiators.
Claims use since Apr. 25, 1911.

Ser. No. 608,250. The Hygienic Products Company, Canton, Ohio. Filed Dec. 30, 1950.

Sani-Flush



Applicant claims ownership of Registrations Nos. 86,062, 108,251, and others.
For Cleaning Powder for Water-Closet Bowls and Automobile Radiators.
Claims use since Nov. 22, 1950.

Ser. No. 610,147. Schaeffer Mfg. Co., St. Louis, Mo. Filed Feb. 15, 1951.

VEXOL

Applicant claims ownership of Registration No. 534,037.
For Toilet Bowl Cleaner.
Claims use since April 1949.

Ser. No. 610,165. Consolidated Cosmetics, Chicago, Ill. Filed Feb. 16, 1951.

COMMON SENSE

For Toilet Soap.
Claims use since Jan. 10, 1951.

Ser. No. 610,891. Colgate-Palmolive-Peet Company, Jersey City, N. J. Filed Mar. 6, 1951.

hobby

For Toilet Soap.
Claims use since Dec. 19, 1950.

Ser. No. 610,892. Colgate-Palmolive-Peet Company, Jersey City, N. J. Filed Mar. 6, 1951.

Rule

For Toilet Soap.
Claims use since Dec. 19, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 539,058. Imperial Molded Products Corporation, Chicago, Ill. Filed Oct. 25, 1947. (Classified in Class 106.)

For Engineering, Designing, and the Custom Molding of Products Made of Thermoplastic and Thermosetting Materials.
Claims use since April 1926.

Ser. No. 539,059. Imperial Molded Products Corporation, Chicago, Ill. Filed Oct. 25, 1947. (Classified in Class 106.)

For Engineering, Designing, and the Custom Molding of Products Made of Thermoplastic and Thermosetting Materials.
Claims use since April 1926.

Ser. No. 555,567. School Photo Service, Inc., Kansas City, Mo. Filed Apr. 24, 1948. (Sec. 2f.) (Classified in Class 106.)



For Photographic Services—Namely, Taking, Developing, and Printing Photographs.
Claims use since Sept. 20, 1942.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 609,229. Bertram H. Claster, Baltimore, Md. Filed Jan. 25, 1951.



For Advertising the Goods and Services of Sponsors Through the Medium of a Television Program.
Claims use since Dec. 31, 1950.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 600,556. Television Maintenance Master Antenna Division, Inc., New York, N. Y. Filed July 12, 1950.

"Telmasco"

For Erection and Maintenance of Master Television Antennas.
Claims use since Apr. 1, 1949.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 608,684. Terminal Transport Company, Inc., Indianapolis, Ind. Filed Jan. 11, 1951.



The representation of the motor truck is disclaimed.
For Moving and Shipping by Motor Truck of General Commodities.
Claims use since Dec. 4, 1948.

CLASS 106

MATERIAL TREATMENT

Ser. No. 539,058. Imperial Molded Products Corporation, Chicago, Ill. Filed Oct. 25, 1947.



For Engineering, Designing, and the Custom Molding of Products Made of Thermoplastic and Thermosetting Materials.
Claims use since April 1926.

Ser. No. 539,059. Imperial Molded Products Corporation, Chicago, Ill. Filed Oct. 25, 1947.



For Engineering, Designing, and the Custom Molding of Products Made of Thermoplastic and Thermosetting Materials.
Claims use since April 1926.

Ser. No. 549,207. Amerpro Machine Products, Inc., Brooklyn and New York, N. Y. Filed Feb. 10, 1948.



For Custom Molding of Plastics.
Claims use since Aug. 11, 1947.

Ser. No. 555,567. School Photo Service, Inc., Kansas City, Mo. Filed Apr. 24, 1948. (Sec. 2f.)



For Photographic Services—Namely, Taking, Developing, and Printing Photographs.
Claims use since Sept. 20, 1942.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,596. Beer and Ale. Centlivre Brewing Corporation, Fort Wayne, Ind.
Filed Sept. 10, 1946, Serial No. 508,786. Published Aug. 14, 1951. Class 48.

444,597. Beer and Ale. Centlivre Brewing Corporation, Fort Wayne, Ind.
Filed Sept. 10, 1946, Serial No. 508,787. Published Aug. 14, 1951. Class 48.

444,598. Nonalcoholic, Maltless, Noncereal Beverage in the Nature of a Soft Drink. Joseph N. Amigone, doing business as Amicola Bottling Co., Buffalo, N. Y.
Filed Apr. 18, 1947, Serial No. 520,916. Published Aug. 14, 1951. Class 45.

444,599. Whiskey, Gin, Rum, Brandy and Alcoholic Cordials. Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc., a corporation of Delaware.
Filed June 26, 1947, Serial No. 524,907. Published July 3, 1951. Class 49.

444,600. Loose Paper for Drawing or Other Art Purposes, Put up in Wrapped Packages, Boxes, or Banded, for Use in Making Cut-Out Designs, Table Favors, Party Decorations, Ornaments and Novelties, and for Sketching and Painting, Folding, and Cutting. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,102. Published July 24, 1951. Class 37.

444,601. Paper Tablets. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,109. Published Aug. 14, 1951. Class 37.

444,602. Paper Tablets, and Papeteries—i. e., Stationery Comprising Envelopes and/or Paper, Either Flat or Folded, Put up in Boxes, Portfolios, or Banded Packages. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,120. Published July 3, 1951. Class 37.

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550,602. Internal Combustion Engines and Parts Thereof. Willys-Overland Motors, Inc., Toledo, Ohio.
Original filed, act of 1905, Feb. 19, 1943; amended to application, under act of 1946, Principal Register, Nov. 17, 1948 Serial No. 458,642. Published Aug. 14, 1951. Class 23.

550,603. Women's Lingerie—Namely, Slips. Milco Undergarment Co. Inc., New York, N. Y.
Original filed, act of 1905, Oct. 9, 1946; amended to application, under act of 1946, Principal Register, Feb. 18, 1948, Serial No. 510,525. Published Aug. 21, 1951. Class 39.

550,604. Display and Storage Cabinet and Workbench for Automotive Supplies Sold as a Unit, Not Including Tools and Lubricating Equipment, for Garages and Service Stations. Lincoln Engineering Company, St. Louis, Mo.
Original filed, act of 1905, Mar. 11, 1947; amended to application, under act of 1946, Principal Register, July 5, 1947, Serial No. 518,841. Published July 31, 1951. Class 23.

550,605. Writing Paper. Montag Brothers, Inc., Atlanta, Ga.
Original filed, act of 1920, Mar. 27, 1947; amended to application, under act of 1946, Principal Register, Nov. 29, 1947, Serial No. 519,680. Published July 17, 1951. Class 37.

550,606. Paper Tablets and Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application, under act of 1946, Principal Register, May 26, 1951, Serial No. 526,078. Published Aug. 7, 1951. Class 37.

550,607. Partially Printed Account, Data, or Order Books. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, Mar. 4, 1947; amended to application, under act of 1946, Principal Register, Oct. 28, 1948, Serial No. 526,083. Published July 31, 1951. Class 37.

550,608. Milker Units and Parts Thereof, Vacuum Pumps and Air Compressing Pumps and Equipment, Etc. Babson Bros. Co., Chicago, Ill.
Filed July 5, 1947, Serial No. 526,551. Published June 19, 1951. Class 23.

550,609. Waterproof Paper Rolls, Greaseproof Paper Rolls, Reinforced Paper Stock Made Up of Long Fibers That Overlap and Cross To Give a Unified High Strength Thereto, and Sold in Roll Form, Burlap Substitute Material Made of Paper (Unwoven), and Flexible Cushion Material Made of Paper for Packaging. Protective Papers, Inc., Elgin and Union, Ill.
Filed Oct. 9, 1947, Serial No. 537,355. Published July 17, 1951. Class 37.

550,610. Waterproof Paper Rolls, Greaseproof Paper Rolls, Reinforced Paper Stock Made Up of Long Fibers That Overlap and Cross To Give a Unified High Strength Thereto, and Sold in Roll Form, Burlap Substitute Material Made of Paper (Unwoven), and Flexible Cushion Material Made of Paper for Packaging. Protective Papers, Inc., Elgin and Union, Ill.
Filed Oct. 9, 1947, Serial No. 537,358. Published July 17, 1951. Class 37.

550,611. Memo Pads, Desk Calendars, Paper Weights, and Desk Pen Sets. Syracuse Ornamental Co., Inc., Syracuse, N. Y.
Filed Oct. 23, 1947, Serial No. 538,826. Published July 17, 1951. Class 37.

550,612. Supplemental Food Preparations in Capsule Form Useful as Dietary Supplements and Containing Dried Vegetables or Vegetable Substances. Anabolic Food Products, Inc., Glendale, Calif.
Filed Nov. 6, 1947, Serial No. 540,240. Published July 3, 1951. Class 46.

550,613. Fountain Pens. Ferber Corporation, Englewood, N. J.
Filed Nov. 15, 1947, Serial No. 541,274. Published July 31, 1951. Class 37.

550,614. Vegetable Shortening. Paul M. Cooter, doing business under the name Mart Sales Company, Chicago, Ill., assignor to Selected Products Company, Inc., Chicago, Ill., a corporation of Illinois.
Filed Nov. 20, 1947, Serial No. 541,815. Published June 26, 1951. Class 46.

550,615. Fountain Pens and Mechanical Pencils. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,774. Published July 17, 1951. Class 37.

550,616. Garter Belts, Convertible Garter Belts and Sanitary Napkin Attachments for Garter Belts Sold as Units; Brassières and Girdles. Herma C. Wiedle, doing business as Fancee Free Mfg. Co., St. Louis, Mo., assignor to Fancee Free Manufacturing Company, St. Louis, Mo., a corporation of Missouri.
Filed Dec. 19, 1947, Serial No. 544,950. Published Aug. 21, 1951. Class 39.

550,617. Boys' and Girls' Snow Suits. Simon & Mogilner, St. Paul, Minn.
Filed Dec. 29, 1947, Serial No. 545,654. Published July 24, 1951. Class 39.

550,618. Bond Paper. The McBee Company, Athens, Ohio.
Filed Dec. 6, 1947, Serial No. 545,679. Published Aug. 14, 1951. Class 37.

550,619. Writing Paper and Envelopes. George B. Hurd, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,101. Published Aug. 21, 1951. Class 37.

550,620. Men's and Boys' Outer Shirts. Walter A. Riggs, Everett, Wash.
Filed Feb. 2, 1948, Serial No. 548,610. Published Aug. 21, 1951. Class 39.

550,621. Electrical Boxes—Namely, Switch, Outlet, Ceiling, Cable, Conduit, Utility, Junction, Cutout, Pull, and Receptacle; Etc. All-Steel Equipment Inc., Aurora, Ill.
Filed Feb. 5, 1948, Serial No. 548,774. Published Mar. 13, 1951. Class 21.

550,622. Liquid Meters and Parts Thereof, Excluding Orifice Meters and Other Rate of Flow Meters. Buffalo Meter Company, Buffalo, N. Y.
Filed Nov. 17, 1947, Serial No. 549,359. Published Nov. 8, 1949. Class 26.

550,623. Group A—Water Supply Systems Consisting Essentially of a Water Pump, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,448. Published July 10, 1951. Class 23.

550,624. Wines. Garrett & Company, Inc., Brooklyn, N. Y.
Filed Mar. 9, 1948, Serial No. 551,558. Published July 10, 1951. Class 47.

550,625. CONSOLIDATED CERTIFICATE. Stanco Incorporated, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware.
Petroleum Sulfonates for General Use in Inks and Inking Materials, Including Use as Such, or as an Ingredient in, Dispersing Agents for Pigments in Inks, and Wetting Agents in Inks. Filed Mar. 19, 1948, Serial No. 552,511. Published Nov. 15, 1949. Class 11.
Petroleum Sulfonates for General Use in Construction Materials—Namely, for Use as Such or as an Ingredient in Dispersing and Wetting Agents in Construction Materials as Clays in Portland Cement and Blocks. Filed Mar. 19, 1948, Serial No. 552,509. Published Oct. 18, 1949. Class 12.
Refined, Semi-Refined, and Unrefined Oils and Greases Made From Petroleum Both With and Without Admixture of Substances for Illuminating, Etc. Filed Mar. 19, 1948, Serial No. 552,512. Published May 3, 1949. Class 15.
Soluble Petroleum Sulfonates Used as Dispersing and Wetting Agents for Coating Particles in the Nature of Paint Pigments To Facilitate Suspension of the Pigments. Filed Mar. 19, 1948, Serial No. 552,508. Published Feb. 21, 1950. Class 16.
White Mineral Oil for Medicinal, Pharmaceutical and Veterinary Purposes; Etc. Filed Mar. 19, 1948, Serial No. 552,513. Published Feb. 14, 1950. Class 18.
Petroleum Sulfonates for Use as Detergents, and Scouring Agents for Fabrics, Etc. Filed Mar. 19, 1948, Serial No. 552,510. Published June 28, 1949. Class 32.

550,626. Television Antenna. L. S. Brach Manufacturing Corporation, Newark, N. J.
Filed Apr. 12, 1948, Serial No. 554,359. Published June 19, 1951. Class 21.

550,627. Paper Place Mats and Paper Table Cloths. Central Paper Company, Inc., Muskegon, Mich.
Filed Apr. 16, 1948, Serial No. 554,765. Published Oct. 3, 1950. Class 37.

550,628. Canned Fruits, Canned Berries, Canned Vegetables, Fruit Preserves, Maraschino Cherries, Fresh Prunes in Syrup, and Frozen Berries. Starr Fruit Products Co., Portland, Oreg.; Edward W. Johnson, trustee, assignor to Starr Foods, Inc., Salem, Oreg., a corporation of Oregon.
Filed May 14, 1948, Serial No. 557,082. Published June 26, 1951. Class 46.

550,629. Lug Straps, Check Straps, Silk Pickers, Picker Sticks, Temple Rolls, Loom Pickers, Bumper Straps, Harness Straps, Loop Pickers, and Dobby Cords. E. H. Jacobs Manufacturing Co., Inc., Danielson, Conn., assignor to The Bullard Clark Company, Danielson, Conn., a corporation of Connecticut.
Filed May 15, 1948, Serial No. 557,136. Published Aug. 21, 1951. Class 23.

550,630. Writing Paper and Mailing and Correspondence Envelopes. Decor-Note Company, St. Paul, Minn.
Filed May 28, 1948, Serial No. 558,016. Published Aug. 21, 1951. Class 37.

550,631. Children's Ski and Snow Suits. Wayne Garment Company, Forest City, Pa.
Filed June 5, 1948, Serial No. 558,607. Published July 17, 1951. Class 39.

550,632. Icing for Cakes and Cookies. Basic Foods, Inc., New York, N. Y.
Filed June 19, 1948, Serial No. 559,673. Published June 19, 1951. Class 46.

550,633. Electrically Heated, Mechanically Operated Machines for Mending Hosiery Made From Synthetic Filaments, by Applying Heat While the Hose Is Held Under Pressure. Nylo-Therm Co. Inc., Philadelphia, Pa., assignor, by mesne assignments, to Prestige, Incorporated, New York, N. Y., a corporation of Pennsylvania.
Filed June 19, 1948, Serial No. 559,726. Published Aug. 7, 1951. Class 21.

550,634. Weeding Machines. Calkins Manufacturing Company, Spokane, Wash.
Filed June 21, 1948, Serial No. 559,831. Published July 10, 1951. Class 23.

550,635. Vermouth, Sparkling and Still Wines, and Prepared Wine Appetizers. Martini & Rossi Corporation, New York, N. Y.
Filed June 22, 1948, Serial No. 559,935. Published Aug. 7, 1951. Class 47.

550,636. Vermouth, Sparkling and Still Wines, and Prepared Wine Appetizers. Martini & Rossi Corporation, New York, N. Y.
Filed June 22, 1948, Serial No. 559,936. Published Aug. 7, 1951. Class 47.

550,637. Mercury-Vapor Current Rectifiers and Inverters, Each Including a Metal Tank, a Liquid Cathode and a Ring-Shaped Anode. Ateliers de Constructions Electriques de Charleroi, Brussels and Charleroi, Belgium.
Filed June 23, 1948, Serial No. 559,985. Published May 30, 1950. Class 21.

550,638. Beer. N. V. Brouwerij d'Oranjeboom, Rotterdam, Netherlands.
Filed July 1, 1948, Serial No. 560,536. Published July 10, 1951. Class 48.

550,639. Food Products in the Nature of Potato Chips Made From Potato Flour, Potato Starch, Water, and Salt Flavoring. Tempting Products Corporation, Brooklyn, N. Y.
Filed July 7, 1948, Serial No. 560,847. Published June 19, 1951. Class 46.

550,640. Containers or Holders Containing Packs of Facial Tissue. Monarch Governor Company, Detroit, Mich.
Filed July 16, 1948, Serial No. 561,575. Published Aug. 7, 1951. Class 37.

550,641. Work Trousers and Work Shirts. Oberman & Company, Jefferson City, Mo.
Filed Aug. 3, 1948, Serial No. 562,727. Published Aug. 21, 1951. Class 39.

550,642. Paper in Sheet Form Having a Non-Tacky Coating Activatable to a Tacky Condition by Heat. Nashua Gummed and Coated Paper Company, Nashua, N. H.
Filed Aug. 11, 1948, Serial No. 563,210. Published Aug. 21, 1951. Class 37.

550,643. Lubricating Apparatus in the Nature of a Gun With Fittings and Valves Sold as a Unit. Claremont F. Clure, doing business as Delta Engineering Sales, Shreveport, La.
Filed Aug. 13, 1948, Serial No. 563,312. Published June 19, 1951. Class 23.

550,644. Machines for Advancing Continuous Lengths of Flexible Material, Such as Textiles While Subjecting the Same to Fluid Treatment Including Open Width Washers, Rope Type Washers, Steamers, Dryers, and Drying Machines. Rodney Hunt Machine Company, Orange, Mass., now by change of name Rodney Hunt Machine Co., a corporation of Massachusetts.
Filed Sept. 8, 1948, Serial No. 564,816. Published July 17, 1951. Class 23.

550,645. Ladies', Misses', and Children's Dresses. L. Wohl & Company, Incorporated, New York, N. Y.
Filed Sept. 9, 1948, Serial No. 564,918. Published Aug. 21, 1951. Class 39.

550,646. Street Lighting Luminaries for Use With Electric Light Bulbs. Joslyn Mfg. and Supply Co., Chicago, Ill.
Filed Sept. 28, 1948, Serial No. 566,037. Published Aug. 14, 1951. Class 21.

550,647. Electric Water Heaters. Fowler Manufacturing Company, Portland, Oreg.
Original filed, act of 1946, Supplemental Register, Sept. 29, 1948; amended to application, Principal Register, Sept. 15, 1949, Serial No. 566,073. Published Aug. 7, 1951. Class 21.

550,648. Printed Order Forms and Printed Order Form Mailing Cards. Sterling E. Norcross, Bloomfield, N. J.
Filed Oct. 2, 1948, Serial No. 566,358. Published July 24, 1951. Class 37.

550,649. Rotary Joints and Mounting Flanges Therefor for Industrial Machines. The Johnson Corporation, Three Rivers, Mich.
Filed Oct. 7, 1948, Serial No. 566,837. Published July 31, 1951. Class 23.

550,650. Cloth Pliers, Rag Cutters; Paper and Textile Finishing Machinery—Namely, Calenders, Mangles, Embossing Machines, and Calender Rolls. B. F. Perkins & Son, Inc., Chicopee, Mass.
Filed Oct. 16, 1948, Serial No. 567,090. Published July 24, 1951. Class 23.

550,651. Carving Sets, Hammers, Hatchets, and Axes. Butler Brothers, Chicago, Ill.
Filed Oct. 23, 1948, Serial No. 567,496. Published July 31, 1951. Class 23.

550,652. Brake Parts Comprising Master Cylinders and Wheel Cylinders and Component Parts Thereof. Charles A. Samuel, Oak Park, Ill., assignor to Sav-A-Life Corporation, Oak Park, Ill.
Filed Nov. 9, 1948, Serial No. 568,452. Published July 17, 1951. Class 23.

550,653. Soup Mix. Continental Coffee Co., Chicago, Ill.
Filed Nov. 16, 1948, Serial No. 568,835. Published June 19, 1951. Class 46.

550,654. Nurses' Apparel—Namely, Aprons, Bibs, Bath Robes, Uniforms, Caps, Collars, and Cuffs; Internes' Suits, and Patients' Gowns. Marvin-Neitzel Corporation, Troy, N. Y.
Filed Nov. 16, 1948, Serial No. 568,854. Published Aug. 21, 1951. Class 39.

550,655. Ale. Jacob Hornung Brewing Co., Philadelphia, Pa.
Filed Nov. 17, 1948, Serial No. 568,950. Published Aug. 14, 1951. Class 48.

550,656. Internal Combustion Engines for General Power Application; Etc. Continental Motors Corporation, Muskegon and Detroit, Mich.
Filed Dec. 3, 1948, Serial No. 569,823. Published July 17, 1951. Class 23.

550,657. Whiskey. Esbeco Distilling Corporation, Stamford, Conn.
Filed Dec. 8, 1948, Serial No. 570,199. Published July 10, 1951. Class 49.

550,658. Electrical Portable Floor Machines. Holt Manufacturing Company, Oakland, Calif.
Filed Dec. 8, 1948, Serial No. 570,204. Published Aug. 14, 1951. Class 21.

550,659. Chewing Tobacco, Smoking Tobacco, Snuff Tobacco, Cigars, and Cigarettes. Austria Tabakwerke Aktiengesellschaft vorm. Oesterreichische Tabakregie, Vienna, Austria.
Filed Dec. 14, 1948, Serial No. 570,469. Published July 10, 1951. Class 17.

550,660. Pencil Sharpeners and Parts Therefor. Spengler-Loomis Manufacturing Company, doing business as Automatic Pencil Sharpener Co., Rockford, Ill.
Filed Dec. 27, 1948, Serial No. 571,171. Published July 24, 1951. Class 23.

550,661. Slips, Girdles, Panties, Petticoats, Half Slips, Brassières, Bandeaux, Corsets, and Corselettes. Quest-Shon Mark Brassiere Co., Inc., Brooklyn, N. Y.
Filed Dec. 28, 1948, Serial No. 571,233. Published Aug. 21, 1951. Class 39.

550,662. Electrical Device Simulating a Fork, the Tines Comprising Electrodes To Be Inserted Into Uncooked Meats for Purposes of Sending an Electrical Charge Through the Meat To Break Down the Muscle and Tough Fibers Within the Meat Thereby Giving the Meat the Same Tenderized Effect as Aging of Meats. Paul Henry Spano, Kansas City, Mo.
Filed Dec. 29, 1948, Serial No. 571,298. Published Aug. 14, 1951. Class 21.

550,663. Blank Miniature Decorative Cards for Use in Conjunction With Gifts. Bank Craft Designers, Inc., Minneapolis, Minn.
Filed Jan. 10, 1949, Serial No. 571,890. Published July 31, 1951. Class 37.

550,664. Sheet Music. Paul Barrett, doing business as Paul Barrett Music, San Francisco, Calif.
Filed Jan. 24, 1949, Serial No. 572,822. Published Aug. 21, 1951. Class 38.

550,665. Power Shovel and Scoop Apparatus and Post Driver. Ottawa Steel Products, Inc., Ottawa, Kans.
Filed Jan. 31, 1949, Serial No. 573,094. Published Aug. 21, 1951. Class 23.

550,666. Rum. Captain Morgan Rum Distillers (Jamaica) Ltd., Kingston, Jamaica, British West Indies.
Filed Feb. 2, 1949, Serial No. 573,164. Published July 10, 1951. Class 49.

550,667. Cigars and Cheroots. The S. Frieder & Sons Company, Cincinnati, Ohio, and Philadelphia, Pa.
Filed Feb. 16, 1949, Serial No. 573,936. Published Aug. 14, 1951. Class 17.

550,668. Syrups for Fruit Flavored Non-Alcoholic Maltless Soft Drinks, and for Fruit Flavored Non-Alcoholic Maltless Soft Drinks. Naaml. Venn. Distilleerderij Likeurstokerij, Limonade- En Extractenfabriek Van C. Polak Gzn., Groningen, Netherlands.
Filed Feb. 19, 1949, Serial No. 574,155. Published July 10, 1951. Class 45.

550,669. Toilet Tissue, Paper Towels, Paper Napkins, Facial Tissues, and Waxed Paper. National Paper Corporation of Pennsylvania, Ransom, Pa., and New York, N. Y.
Filed Mar. 1, 1949, Serial No. 574,721. Published Aug. 14, 1951. Class 37.

550,670. Rocket Engines and Parts Thereof. Reaction Motors, Inc., Dover, N. J.
Filed Mar. 4, 1949, Serial No. 574,924. Published Aug. 21, 1951. Class 23.

550,671. Optical Lens Attachment for a Color Temperature Meter To Indicate the Proper Filter To Be Used When Dealing With Mixed Light Conditions or for Matching Color. Photo Research Corp., San Fernando, Calif.
Filed Mar. 7, 1949, Serial No. 575,016. Published July 10, 1951. Class 26.

550,672. Photographic, Photoengraving, and Photomechanical Supplies—Namely, Infra-Red Heating Lamps. Chemco Photoproducts Company, Inc., Glen Cove, N. Y.
Filed Mar. 22, 1949, Serial No. 575,841. Published Aug. 7, 1951. Class 21.

550,673. Series of Motion Picture Animated Cartoons. Terrytoons, Inc., New Rochelle, N. Y.
Filed Mar. 25, 1949, Serial No. 576,082. Published July 10, 1951. Class 26.

550,674. Paper Toilet Seat Covers, Paper Garment Hanger Covers, Paper Garment Protectors, and Paper Napkins. Protecto Products Co. Inc., Pomona, Calif.
Filed Mar. 28, 1949, Serial No. 576,228. Published July 17, 1951. Class 37.

550,675. Electric Hoists. American Chain & Cable Company, Inc., Bridgeport, Conn.
Filed Apr. 9, 1949, Serial No. 576,838. Published Aug. 7, 1951. Class 21.

550,676. Gauges for Use in Testing Automobile Engines, Clutches, Transmissions, Rear Axles, Front Suspensions, Springs and Shock Absorbers, Brakes and Body Assemblies, Headlight Testing Apparatus for Testing the Alignment of Automobile Headlights, and Wheel Aligners. Kent-Moore Organization, Inc., Detroit, Mich.
Filed Apr. 14, 1949, Serial No. 577,125. Published July 10, 1951. Class 26.

550,677. Foundry Equipment—Namely, Flasks, Cope and Drag Sets, Core Boxes, and Match Plates. Atlas Plastic & Aluminum Pressure Plate Company, Butler, Wis.
Filed Apr. 18, 1949, Serial No. 577,309. Published Aug. 7, 1951. Class 23.

550,678. Men's Suits and Trousers. A. Sagner's Son, Baltimore, Md.
Filed Apr. 18, 1949, Serial No. 577,345. Published Aug. 21, 1951. Class 39.

550,679. Wines. Wine Growers Guild, Lodi, Calif.
Filed Apr. 27, 1949, Serial No. 577,836. Published July 10, 1951. Class 47.

550,680. Mailing Envelopes. United States Envelope Company, Springfield, Mass.
Filed May 5, 1949, Serial No. 578,301. Published May 23, 1950. Class 37.

550,681. Partially Printed Ruled Forms With Printed Headings Particularly Adapted for Use in Bookkeeping, Accounting, and Tax Computations. Battle Creek Letter Shop, Battle Creek, Mich.
Filed May 10, 1949, Serial No. 578,479. Published July 3, 1951. Class 37.

550,682. Electrical Portable Floor Machines. Holt Manufacturing Company, Oakland, Calif.
Filed May 10, 1949, Serial No. 578,502. Published Aug. 14, 1951. Class 21.

550,683. Electrical Portable Floor Machines. Holt Manufacturing Company, Oakland, Calif.
Filed May 10, 1949, Serial No. 578,503. Published Aug. 14, 1951. Class 21.

550,684. Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Concentrates for Making the Same. Adolph Westphal, River Forest, Ill.
Filed May 12, 1949, Serial No. 578,749. Published July 10, 1951. Class 45.

550,685. Mailing and Correspondence Envelopes, Partially Printed Forms — Namely, Office and Accounting Forms, Manifold Forms, and Stationery—Namely, Letterheads, Mailing Stickers, and Labels. The Western Lithograph Company, Wichita, Kans.
Filed May 14, 1949, Serial No. 578,907. Published July 31, 1951. Class 37.

550,686. Button Feeding Machines and Parts Thereof. Emsig Manufacturing Co., New York, N. Y.
Filed June 1, 1949, Serial No. 579,811. Published July 31, 1951. Class 23.

550,687. Mailing and Correspondence Envelopes. The Alling & Cory Company, Rochester, N. Y.
Filed June 9, 1949, Serial No. 580,172. Published July 24, 1951. Class 37.

550,688. Autograph Albums. Percival F. Petersen, Riverside, Calif.
Filed June 9, 1949, Serial No. 580,203. Published Aug. 7, 1951. Class 37.

550,689. Cigarettes. Brown & Williamson Tobacco Corporation, Louisville, Ky.
Filed June 14, 1949, Serial No. 580,398. Published Aug. 14, 1951. Class 17.

550,690. Whiskey. The Straight Whiskey Distilling Company of America, New York, N. Y., now by merger and change of name Schenley Distributors, Inc., New York, N. Y., a corporation of New York.
Filed June 16, 1949, Serial No. 580,630. Published July 10, 1951. Class 49.

550,691. Machinery for a Hoisting and Dumping Unit for Charging Metal Furnaces. United American Metals Corporation, Brooklyn, N. Y.
Filed June 21, 1949, Serial No. 580,861. Published Aug. 21, 1951. Class 23.

550,692. Opaque Shelf Paper, and Drawer Lining Paper. Royal Lace Paper Works, Inc., Brooklyn, N. Y., now by change of name from Royal Lace Paper Works.
Filed June 24, 1949, Serial No. 581,018. Published Aug. 14, 1951. Class 37.

550,693. Maltless Soft Drink Syrups. Rose Brand Syrup Supply Co., Inc., New York, N. Y.
Filed July 8, 1949, Serial No. 581,687. Published July 24, 1951. Class 45.

550,694. Whiskies. Stitzel-Weller Distillery, Louisville and Shively, Ky.
Filed June 16, 1949, Serial No. 582,395. Published July 3, 1951. Class 49.

550,695. Beer. Beverwyck Breweries, Inc., Albany, N. Y.
Filed Aug. 5, 1949, Serial No. 583,024. Published Aug. 7, 1951. Class 48.

550,696. Bock Beer. Beverwyck Breweries, Inc., Albany, N. Y.
Filed Aug. 5, 1949, Serial No. 583,026. Published Aug. 7, 1951. Class 48.

550,697. Chemical Clouding Preparation for Use in Making Non-Alcoholic Maltless Soft Drinks. The H. R. Nicholson Company, trading as The Syrup Products Company, Baltimore, Md.
Filed Aug. 12, 1949, Serial No. 583,407. Published July 10, 1951. Class 45.

550,698. Manipulative Disk Chart With Informational Facts for Ascertaining the Price of Meat. Russell L. Wright, Santa Rosa, Calif.
Filed Aug. 12, 1949, Serial No. 583,419. Published July 10, 1951. Class 26.

550,699. Display Racks and Storage Racks for the Display and Storage of Floor Coverings. John H. Best & Sons, Inc., Galva, Ill.
Filed Aug. 16, 1949, Serial No. 583,515. Published Aug. 7, 1951. Class 32.

550,700. Sparkling Malt Lager. Chr. Heurich Brewing Company, Washington, D. C.
Filed Aug. 22, 1949, Serial No. 583,796. Published Aug. 7, 1951. Class 48.

550,701. Ladies' Dresses Made Wholly or In Substantial Part of Cotton. Majestic Frocks, Brooklyn, N. Y.
Filed Aug. 26, 1949, Serial No. 584,068. Published Aug. 21, 1951. Class 39.

550,702. Men's and Boys' Coats. Gary-Allen Sportswear Company, Painesville, Ohio.
Filed Sept. 7, 1949, Serial No. 584,533. Published Aug. 21, 1951. Class 39.

550,703. Column in a Newspaper Publication. Parade Publication, Inc., New York, N. Y.
Filed Oct. 5, 1949, Serial No. 585,808. Published Aug. 21, 1951. Class 38.

550,704. Overalls. Phillips-Lester Manufacturing Company, Inc., Birmingham, Ala.
Filed Oct. 10, 1949, Serial No. 586,062. Published Aug. 21, 1951. Class 39.

550,705. Coated Paper Used in Making a Disc-Shaped Sealing Liner in Caps Which Are Used as Closures on Glass, Metal, or Other Containers Used for Packaging Food, Fruits, Drugs, Cosmetics, Etc. Standard Cap and Seal Corporation, Chicago, Ill.
Filed Oct. 17, 1949, Serial No. 586,437. Published July 17, 1951. Class 37.

550,706. Package Filling Machines—Namely, Volume Packers and Volume Fillers for Fluent Materials Entering Rigid and Non-Rigid Containers. United States Automatic Box Machinery Co., Inc., Boston and Roslindale, Boston, Mass.
Filed Oct. 22, 1949, Serial No. 586,713. Published July 10, 1951. Class 23.

550,707. Men's Clothing—Namely, Coats, Topcoats and Suits. Eagle Clothes, Inc., New York, N. Y.
Filed Sept. 19, 1949, Serial No. 587,144. Published Aug. 21, 1951. Class 39.

550,708. Overcoats, Topcoats, and Suits for Men and Young Men. Eagle Clothes, Inc., New York, N. Y.
Filed Sept. 19, 1949, Serial No. 587,146. Published Aug. 21, 1951. Class 39.

550,709. Non-Alcoholic Maltless Preparation of Mixed Ingredients Commonly Called a "Mix" for Use in Making Both Alcoholic and Non-Alcoholic Drinks. Orland H. Bonaguidi, doing business under the name of Buckaroo Cocktail Lounge, Ruidoso, N. Mex.
Filed Nov. 2, 1949, Serial No. 587,176. Published July 24, 1951. Class 45.

550,710. Fountain Pens and Ink Refills Therefor. Universal Fountain Pen & Pencil Co., New York, N. Y., assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y., a corporation of New York.
Filed Nov. 3, 1949, Serial No. 587,293. Published Aug. 7, 1951. Class 37.

550,711. Men's and Boys' Suits, Pants, Overcoats, Raincoats, Coats, Vests, Topcoats, Hats and Caps, Sweaters, Collars, Etc. Bond Stores, Incorporated, New York, N. Y.
Filed Nov. 14, 1949, Serial No. 587,708. Published Aug. 21, 1951. Class 39.

550,712. Coated Paper Adapted for Wrapping Purposes. St. Regis Paper Company, New York, N. Y.
Filed Nov. 15, 1949, Serial No. 587,823. Published July 31, 1951. Class 37.

550,713. Typewriter Paper. Southworth Company, West Springfield, Mass.
Filed Nov. 22, 1949, Serial No. 588,188. Published July 24, 1951. Class 37.

550,714. Toilet Tissue. The Diamond Match Company, New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,283. Published Aug. 14, 1951. Class 37.

550,715. Wooden Spoons and Wooden Forks. The Diamond Match Company, New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,284. Published July 10, 1951. Class 23.

550,716. All Kinds of Toilet Tissue, Paper Napkins, and Paper Towels. White-Washburne Company, Inc., Hinsdale, N. H.
Filed Dec. 10, 1949, Serial No. 589,182. Published July 24, 1951. Class 37.

550,717. Mechanical Presses for Removing Oils and Liquids, and Parts Therefor. The V. D. Anderson Company, Cleveland, Ohio.
Filed Dec. 12, 1949, Serial No. 589,190. Published July 24, 1951. Class 23.

550,718. Women's Blouses, Skirts, and Dresses. Buddy J. Cater, doing business under the name Caspee Classics, Seguin, Tex.
Filed Dec. 16, 1949, Serial No. 589,428. Published Aug. 21, 1951. Class 39.

550,719. Typewriter Paper and Second Sheets; Loose Leaf Filler Paper, Loose Leaf Fillers, Loose Leaf Index, Loose Leaf Index Sheets, Writing Tablets, Commercial Envelopes, and Loose Leaf Patches. F. W. Woolworth Co., New York, N. Y.
Filed Dec. 17, 1949, Serial No. 589,543. Published July 24, 1951. Class 37.

550,720. Cleansing Tissues. Doeskin Products, Inc., New York, N. Y.
Filed Dec. 22, 1949, Serial No. 589,774. Published July 31, 1951. Class 37.

550,721. Milling and Boring Cutters. The Ingersoll Milling Machine Company, Rockford, Ill.
Filed Dec. 29, 1949, Serial No. 590,085. Published Aug. 14, 1951. Class 23.

550,722. Metal Band Saw Machines. Wells Manufacturing Corporation, Three Rivers, Mich.
Filed Dec. 30, 1949, Serial No. 590,205. Published July 17, 1951. Class 23.

550,723. Stationery Folders, Guide Cards, Tabs, and Stencils. Roneo Limited, London, England.
Filed Jan. 3, 1950, Serial No. 590,284. Published July 10, 1951. Class 37.

550,724. Bond Paper. Nat H. Kristel, doing business under the name and style of Commercial Envelope Manufacturing Company, New York, N. Y.
Filed Jan. 14, 1950, Serial No. 590,897. Published Aug. 7, 1951. Class 37.

550,725. Stationary and Portable Lubricating Pump. Lincoln Engineering Company, St. Louis, Mo.
Filed Jan. 18, 1950, Serial No. 591,040. Published Aug. 21, 1951. Class 23.

550,726. Power Vacuum Machines. Speedy Manufacturing Company, Sioux Falls, S. Dak.
Filed Jan. 27, 1950, Serial No. 591,590. Published July 31, 1951. Class 23.

550,727. Industrial Grinding Mills, Mixers, and Parts Thereof, Etc. Morehouse Industries, Los Angeles, Calif.
Filed Jan. 30, 1950, Serial No. 591,689. Published July 3, 1951. Class 23.

550,728. Publication Which Is a Section of a Magazine, and Is Also Issued as a Separate Magazine, Containing Reading Matter of Interest to Teen-Age Girls. Harvey and Howe, Inc., Chicago, Ill.
Filed Jan. 31, 1950, Serial No. 591,726. Published Aug. 21, 1951. Class 38.

550,729. Synthetic Oil-Proof Rubber Insulating Compound and Insulating Casings, Made Therefrom, for Electrical Equipment. Daniel Woodhead Company, Chicago, Ill.
Filed Feb. 3, 1950, Serial No. 591,914. Published Aug. 7, 1951. Class 21.

550,730. Battery Testers and Battery Hydrometers. Grant Storage Battery Company, Minneapolis, Minn.
Filed Feb. 8, 1950, Serial No. 592,146. Published July 10, 1951. Class 26.

550,731. Safety Paper Such As Is Used for Bank Checks, Bank Drafts, and Other Checks and Drafts, Bills of Exchange, Promissory Notes, Tickets, Certificates, and All Vouchers of Value. George La Monte & Son, Nutley, N. J.
Filed Feb. 10, 1950, Serial No. 592,265. Published July 10, 1951. Class 37.

550,732. Cooking Wines. Ellena Brothers, Etiwanda, Calif.
Filed Feb. 13, 1950, Serial No. 592,364. Published July 31, 1951. Class 47.

550,733. Electric Motors, Dynamos, Generators, Etc. Moravské Elektrotechnické Závody, Národní Podnik, also named Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia.
Filed Feb. 18, 1950, Serial No. 592,718. Published Aug. 14, 1951. Class 21.

550,734. Paper Products — Namely, Kraft Wrapping Paper and Butcher Paper. The M. Conley Company, Canton, Ohio.
Filed Feb. 20, 1950, Serial No. 592,761. Published Aug. 21, 1951. Class 37.

550,735. Maltless Beverages Sold as Soft Drinks, and Flavors and Extracts for Use in Making the Same. Griggs, Cooper & Company, St. Paul, Minn.
Filed Feb. 21, 1950, Serial No. 592,808. Published Aug. 7, 1951. Class 45.

550,736. Paper Laminated With a Film Relatively Resistant to Liquids and Soiling Sold in Rolls and Used for Covering, Wrapping, Protecting, Packaging, Decorating, Separating, Lining, Labeling, and Other Purposes. General Laminating Inc., Lyndhurst, N. J.
Filed Feb. 28, 1950, Serial No. 593,168. Published Aug. 21, 1951. Class 37.

550,737. All Kinds of Toilet Tissue, Paper Napkins, and Paper Towels. White-Washburne Company, Inc., Hinsdale, N. H.
Filed Mar. 4, 1950, Serial No. 593,453. Published July 17, 1951. Class 37.

550,738. Mailing Envelopes. United States Envelope Company, Springfield, Mass.
Filed Mar. 9, 1950, Serial No. 593,699. Published Aug. 21, 1951. Class 37.

550,739. Ice Milk Mix. Cremix Company, Chicago, Ill.
Filed Mar. 24, 1950, Serial No. 594,523. Published July 10, 1951. Class 46.

550,740. Greeting Cards. Fred M. Slavic, doing business as Panda Prints, New York, N. Y., assignor to Panda Prints, Inc., New York, N. Y., a corporation of New York.
Filed Mar. 30, 1950, Serial No. 594,923. Published Aug. 21, 1951. Class 38.

550,741. Shears and Scissors of General Household Utility Type. The Acme Shear Company, Bridgeport, Conn.
Filed Apr. 1, 1950, Serial No. 595,041. Published July 17, 1951. Class 23.

550,742. Lenses for Use in Eye Glasses. Bert H. Quint, doing business as Quality Optical Co., Chicago, Ill.
Filed Apr. 6, 1950, Serial No. 595,330. Published June 26, 1951. Class 26.

550,743. Photographic Slides Employed for the Projection of Images Upon Screens. Society for Visual Education, Inc., Chicago, Ill.
Filed Apr. 7, 1950, Serial No. 595,423. Published June 26, 1951. Class 26.

550,744. Electric Heating Unit Enclosed Within an Aluminum Tube for Use in Repelling Dampness in Closets, Furniture, Kitchen Cabinets, and the Like. Dampp-Chaser, Inc., Fort Lauderdale, Fla.
Filed Apr. 18, 1950, Serial No. 595,874. Published Aug. 21, 1951. Class 21.

550,745. Carbon Plugs and Graphite Stool Inserts, for Use in Metal Casting Molds. Union Carbide and Carbon Corporation, New York, N. Y.
Filed Apr. 20, 1950, Serial No. 596,057. Published Aug. 14, 1951. Class 23.

550,746. Fountain Pen Desk Sets. Charles E. Laue, doing business as Hamilton Products, Chicago, Ill.
Filed Apr. 22, 1950, Serial No. 596,171. Published July 17, 1951. Class 37.

550,747. Coated Paper for Printing Purposes. Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis.
Filed Apr. 29, 1950, Serial No. 596,559. Published July 17, 1951. Class 37.

550,748. Ladies' Wearing Apparel—Namely, Underwear, Nightgowns, Slips, Petticoats, Pajamas, Bloomers, Vests, Panties, Lounging and Hostess Robes, Dance Sets Consisting of Brassières and Step-ins in Combination, and Brassières. Dutchess Underwear Corporation, New York, N. Y.
Filed May 9, 1950, Serial No. 597,139. Published Aug. 21, 1951. Class 39.

550,749. Wines. House of Old Molineaux, Inc., Boston, Mass.
Filed May 9, 1950, Serial No. 597,149. Published July 10, 1951. Class 47.

550,750. Wet Storage Battery Boxes, and Covers and Vent Caps Therefor. Pacific Hard Rubber Company, Los Angeles, Calif.
Filed May 16, 1950, Serial No. 597,541. Published Aug. 7, 1951. Class 21.

550,751. Weighing Scales. H. A. Hadley Associates, Incorporated, Burlington, Vt.
Filed May 17, 1950, Serial No. 597,609. Published July 10, 1951. Class 26.

550,752. Milling Machines, Routers, Profilers, Suction Rolls, Carriage Drills, Countersink Drilling Machines, and Sheet Metal Forming Rolls. The Wiesner-Rapp Company, Inc., Buffalo, N. Y.
Filed May 20, 1950, Serial No. 597,856. Published July 3, 1951. Class 23.

550,753. Crayons and Chalks. Milton Bradley Company, Springfield, Mass.
Filed May 22, 1950, Serial No. 597,871. Published July 17, 1951. Class 37.

550,754. Opening, Scutching, Carding, Drawing, Spinning, Twisting, and Winding Machinery for Textile Fibres. Nuclotex Limited, Bolton, England.
Filed May 24, 1950, Serial No. 598,031. Published July 3, 1951. Class 23.

550,755. Index Tabs. Cel-U-Dex Corporation, Brooklyn, N. Y.
Filed May 25, 1950, Serial No. 598,064. Published July 17, 1951. Class 37.

550,756. Electrically Operated, Ultraviolet Ray, Air-Sterilizing Devices. Anthony B. Simeone, doing business as Simson Manufacturing Company, Hamden, Conn.
Filed June 1, 1950, Serial No. 598,436. Published Aug. 14, 1951. Class 21.

550,757. Automatic Hot Gas Defroster for Use in Connection With Commercial Refrigerating Systems. Larkin Coils, Inc., Atlanta, Ga.
Filed June 8, 1950, Serial No. 598,801. Published Aug. 21, 1951. Class 31.

550,758. Title for a Column in a Periodical Published at Intervals. Street & Smith Publications, Inc., New York, N. Y.
Filed June 8, 1950, Serial No. 598,816. Published Aug. 21, 1951. Class 38.

550,759. Deep Well Cooking Units for Electric Ranges. Detroit-Michigan Stove Company, Detroit, Mich.
Filed June 14, 1950, Serial No. 599,085. Published Aug. 7, 1951. Class 21.

550,760. Well Drilling Machines and Parts Therefor. The Star Drilling Machine Company, Akron, Ohio.
Filed June 19, 1950, Serial No. 599,397. Published Aug. 14, 1951. Class 23.

550,761. Men's and Boys' Jackets. Amco Athletic Apparel Corp., New York, N. Y.
Filed June 20, 1950, Serial No. 599,407. Published Aug. 21, 1951. Class 39.

550,762. Toilet Tissue. R. H. Macy & Co., Inc., New York, N. Y.
Filed June 20, 1950, Serial No. 599,442. Published July 24, 1951. Class 37.

550,763. Coffee, Tea, Bitter Sweet Chocolate for Baking Purposes, Etc. Horowitz Bros. & Margareten, Long Island City, N. Y.
Filed June 27, 1950, Serial No. 599,829. Published June 19, 1951. Class 46.

550,764. Root Beer Concentrated Syrup. Starlite Root Beer Inc., East Detroit, Mich.
Filed June 27, 1950, Serial No. 599,848. Published Aug. 7, 1951. Class 45.

550,765. Fabrics of Silk, Wool, Linen, Cotton, or Synthetic Fibers and Mixtures Thereof. The Duplan Corporation, New York, N. Y.
Filed June 28, 1950, Serial No. 599,863. Published Aug. 14, 1951. Class 42.

550,766. Handkerchiefs. Crown Handkerchief, Inc., New York, N. Y.
Filed June 29, 1950, Serial No. 599,932. Published Aug. 21, 1951. Class 39.

550,767. Gear Grinding and Cutting Machines and Parts Thereof. Gleason Works, Rochester, N. Y.
Filed June 29, 1950, Serial No. 599,941. Published July 31, 1951. Class 23.

550,768. Beer. N. V. Brouwerij D'Oranjeboom, Rotterdam, Netherlands.
Filed July 13, 1950, Serial No. 600,611. Published Aug. 7, 1951. Class 48.

550,769. Beer. N. V. Bronwerij D'Oranjeboom, Rotterdam, Netherlands.
Filed July 13, 1950, Serial No. 600,612. Published Aug. 7, 1951. Class 48.

550,770. Junior Coats. Gordon Bros., New York, N. Y.
Filed July 14, 1950, Serial No. 600,665. Published Aug. 21, 1951. Class 39.

550,771. Electrical Vacuum Cleaners, Electrical Blower and Suction Apparatus and Parts Thereof. National Super Service Co., Inc., Toledo, Ohio.
Filed July 20, 1950, Serial No. 600,967. Published Aug. 21, 1951. Class 21.

550,772. Distilled Liquors, Particularly Whiskey. Hunter-Wilson Distilling Co., Inc., New York, N. Y.
Filed July 21, 1950, Serial No. 601,048. Published July 10, 1951. Class 49.

550,773. Distilled Liquors, Particularly Whiskey. Hunter-Wilson Distilling Co., Inc., New York, N. Y.
Filed July 21, 1950, Serial No. 601,049. Published Aug. 14, 1951. Class 49.

550,774. Electrically Controlled Choke Device for Internal Combustion Engines. The Pierce Governor Company, Inc., Anderson, Ind.
Filed Aug. 3, 1950, Serial No. 601,689. Published Aug. 21, 1951. Class 21.

550,775. Beer. The Buckeye Brewing Co., Toledo, Ohio.
Filed Aug. 11, 1950, Serial No. 602,082. Published Aug. 14, 1951. Class 48.

550,776. Fabrics in the Piece of Wool and/or Worsted Fibers. H. W. Schwab Textile Corp., New York, N. Y.
Filed Aug. 11, 1950, Serial No. 602,112. Published Aug. 14, 1951. Class 42.

550,777. Men's, Boys', and Children's Overalls, Dungarees, Pants, and Outer Shirts. Anvil Brand, Incorporated, High Point, N. C.
Filed Aug. 15, 1950, Serial No. 602,183. Published Aug. 21, 1951. Class 39.

550,778. Grape Juice. Ozmun and Company, Lawton, Okla.
Filed Aug. 17, 1950, Serial No. 602,329. Published July 10, 1951. Class 45.

550,779. Stencil Sheets, Stencil Typing Film, Stencil Correction Fluid, Etc. A. B. Dick Company, Niles, Ill.
Filed Aug. 18, 1950, Serial No. 602,380. Published July 3, 1951. Class 37.

550,780. Men's Full Dress Suits and Dress Topcoats and Overcoats. House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa.
Filed Aug. 18, 1950, Serial No. 602,401. Published Aug. 21, 1951. Class 39.

550,781. Children's Coats. Scher & Feldman, Inc., New York, N. Y.
Filed Aug. 22, 1950, Serial No. 602,571. Published Aug. 21, 1951. Class 39.

550,782. Men's, Boys', and Children's Overalls, Dungarees, Pants, and Outer Shirts. Anvil Brand, Incorporated, High Point, N. C.
Filed Aug. 24, 1950, Serial No. 602,668. Published Aug. 21, 1951. Class 39.

550,783. Waxed Paper. Sterling Pulp & Paper Company, Eau Claire, Wis.
Filed Aug. 24, 1950, Serial No. 602,724. Published July 24, 1951. Class 37.

550,784. Waxed Paper, Facial Tissues and Shelf Paper. Comfort Paper Corporation, San Francisco, Calif., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada.
Filed Sept. 2, 1950, Serial No. 603,113. Published July 3, 1951. Class 37.

550,785. Coin Cards. Flower City Specialty Company, Rochester, N. Y.
Filed Sept. 6, 1950, Serial No. 603,188. Published July 24, 1951. Class 37.

550,786. Cigars. E. Waegemans & Son, Inc., Bridgeport, Conn.
Filed Sept. 6, 1950, Serial No. 603,214. Published July 31, 1951. Class 17.

550,787. Paper Towels, Paper Facial Tissue, Paper Napkins, and Toilet Tissue. Sterling Pulp & Paper Company, Eau Claire, Wis.
Filed Sept. 8, 1950, Serial No. 603,316. Published July 3, 1951. Class 37.

550,788. Machine for Opening, Sealing, and Stamping Mail. Commercial Controls Corporation, Rochester, N. Y.
Filed Sept. 12, 1950, Serial No. 603,436. Published July 24, 1951. Class 23.

550,789. Cotton Piece Goods. Cone Export and Commission Co., Inc., New York, N. Y.
Filed Sept. 12, 1950, Serial No. 603,437. Published Aug. 14, 1951. Class 42.

550,790. Television and Automotive Antennae and Television Antenna Electrical Rotating Devices or Units. Cornell-Dubilier Electric Corporation, South Plainfield, N. J.
Filed Sept. 15, 1950, Serial No. 603,575. Published Aug. 7, 1951. Class 21.

550,791. Cigarettes. R. Willard Eanes, trading and doing business under the name of Ross Tobacco Co., Petersburg, Va.
Filed Sept. 15, 1950, Serial No. 603,579. Published July 10, 1951. Class 17.

550,792. Paper Backed Aluminum Foil for Household Uses Such as Covers for Shelves and Cabinet Drawers, Vermin-Protective Covers for Woolen Material and Furs, Wrappers for Wet Bundles and Gift Packages, and Decorative Material for Lamp Shades and Table Runners. Cochran Foil Company, Incorporated, Louisville, Ky.
Filed Sept. 20, 1950, Serial No. 603,766. Published Aug. 7, 1951. Class 37.

550,793. Bactericidal Soda Straw Wrap Paper. Ecusta Paper Corporation, Pisgah Forest, N. C.
Filed Sept. 20, 1950, Serial No. 603,775. Published July 10, 1951. Class 37.

550,794. Towels. Wamsutta Mills, New Bedford, Mass.
Filed Sept. 21, 1950, Serial No. 603,870. Published Aug. 14, 1951. Class 42.

550,795. Bactericidal Soda Straw Wrap Paper. Ecusta Paper Corporation, Pisgah Forest, N. C.
Filed Sept. 22, 1950, Serial No. 603,878. Published July 10, 1951. Class 37.

550,796. Cleansing Tissues. Sitroux Incorporated, New York, N. Y.
Filed Sept. 22, 1950, Serial No. 603,898. Published July 3, 1951. Class 37.

550,797. Loose Leaf Books Having Record Forms for Coin Collectors and Index Tabs Separating the Records for Coins for Different Denominations. Harry Smolin, Flushing, N. Y.
Filed Sept. 27, 1950, Serial No. 604,107. Published Aug. 7, 1951. Class 37.

550,798. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Sept. 29, 1950, Serial No. 604,189. Published Aug. 14, 1951. Class 42.

550,799. Blankets. Lebanon Woolen Mills, Inc., Lebanon, Tenn., and New York, N. Y.
Filed Oct. 2, 1950, Serial No. 604,310. Published Aug. 14, 1951. Class 42.

550,800. Textile Rugs and Carpets. Nye-Wait Company, Inc., Auburn, N. Y.
Filed Oct. 2, 1950, Serial No. 604,313. Published Aug. 14, 1951. Class 42.

550,801. Textile Rugs and Carpets. Nye-Wait Company, Inc., Auburn, N. Y.
Filed Oct. 2, 1950, Serial No. 604,314. Published Aug. 14, 1951. Class 42.

550,802. Wrapping Paper. Orchard Paper Co., St. Louis, Mo.
Filed Oct. 2, 1950, Serial No. 604,317. Published Aug. 7, 1951. Class 37.

550,803. Wrapping Paper. Orchard Paper Co., St. Louis, Mo.
Filed Oct. 2, 1950, Serial No. 604,318. Published Aug. 7, 1951. Class 37.

550,804. Wrapping Paper. Orchard Paper Co., St. Louis, Mo.
Filed Oct. 2, 1950, Serial No. 604,319. Published Aug. 7, 1951. Class 37.

550,805. Velvets in the Piece of Silk and Synthetic Fibers. Martin Fabrics Corporation, New York, N. Y.
Filed Oct. 4, 1950, Serial No. 604,443. Published Aug. 14, 1951. Class 42.

550,806. Cigarettes. Stephano Brothers, Philadelphia, Pa.
Filed Oct. 5, 1950, Serial No. 604,499. Published July 10, 1951. Class 17.

550,807. Stencil Blanks and Stencils Prepared Therefrom. Times Facsimile Corporation, New York, N. Y.
Filed Oct. 5, 1950, Serial No. 604,500. Published July 24, 1951. Class 37.

550,808. Woolen Piece Goods. A. D. Juilliard & Co., Inc., New York, N. Y.
Filed Oct. 6, 1950, Serial No. 604,534. Published Aug. 14, 1951. Class 42.

550,809. Roller Mill Machinery Used for the Production of Ink, Paint, Etc. J. M. Lehmann Company, Inc., Lyndhurst, N. J.
Filed Oct. 6, 1950, Serial No. 604,535. Published July 31, 1951. Class 23.

550,810. Creped Paper Tissue Products Primarily Adapted for Use in Barber Shops and Beauty Parlors as Neck Strips, Ear Pads, Head Bands, and Permanent Wave Pads, and for a Variety of Associated and Non-Associated Uses. Kimberly-Clark Corporation, Neenah, Wis.
Filed Oct. 7, 1950, Serial No. 604,582. Published Aug. 21, 1951. Class 37.

550,811. Canned or Bottled Grape Juice and Apple Cider. H. C. Bohack Co. Inc., Brooklyn, N. Y.
Filed Oct. 9, 1950, Serial No. 604,613. Published Aug. 7, 1951. Class 45.

550,812. Bowling Score Sheets. Grove City Corporation, Downers Grove, Ill.
Filed Oct. 9, 1950, Serial No. 604,632. Published Aug. 7, 1951. Class 37.

550,813. Light Weight Printing and Correspondence Paper and Light Weight Mailing and Correspondence Envelopes Suitable for Use as Air Mail Stationery. Schlosser Paper Corporation, New York, N. Y.
Filed Oct. 11, 1950, Serial No. 604,747. Published July 24, 1951. Class 37.

550,814. Kraft Paper, Cover Paper, Glassine Paper, Cellulose Wadding, Chocolate Layer Board. E. W. Twitchell Incorporated, Philadelphia, Pa.
Filed Oct. 12, 1950, Serial No. 604,826. Published July 31, 1951. Class 37.

550,815. Sewing Machine Heads. Globe Machine Company, Philadelphia, Pa.
Filed Oct. 11, 1950, Serial No. 604,889. Published July 3, 1951. Class 23.

550,816. Wrapping Paper. Orchard Paper Co., St. Louis, Mo.
Filed Oct. 17, 1950, Serial No. 605,048. Published Aug. 21, 1951. Class 37.

550,817. Cigarettes. Tito Salamandra, Trenton, N. J.
Filed Oct. 18, 1950, Serial No. 605,118. Published Aug. 14, 1951. Class 17.

550,818. Pen Points. Gregory Fount-O-Ink Company, Los Angeles, Calif.
Filed Oct. 19, 1950, Serial No. 605,159. Published July 24, 1951. Class 37.

550,819. Disposable Paper Cleaning Swabs. Lura B. Farrell, Coshocton, Ohio.
Filed Oct. 25, 1950, Serial No. 605,413. Published Aug. 7, 1951. Class 37.

550,820. Printed Publications, Published Monthly With the Exception of the Months of July and August. The Institute of Social Order of the Society of Jesus, St. Louis, Mo.
Filed Oct. 27, 1950, Serial No. 605,483. Published Aug. 21, 1951. Class 38.

550,821. Beer. Jos. Schlitz Brewing Company, Milwaukee, Wis.
Filed Oct. 27, 1950, Serial No. 605,496. Published July 24, 1951. Class 48.

550,822. Pens, Pencils, and Pen and Pencil Sets. Klik Promotions, Inc., New York, N. Y.
Filed Oct. 30, 1950, Serial No. 605,589. Published July 24, 1951. Class 37.

550,823. Bactericidal Soda Straw Wrap Paper. Ecusta Paper Corporation, Pisgah Forest, N. C.
Filed Nov. 2, 1950, Serial No. 605,787. Published July 24, 1951. Class 37.

550,824. Bleached Kraft Paperboard Suitable for Food Containers. International Paper Company, New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,018. Published July 24, 1951 Class 37.

550,825. Photograph Albums, Autograph and Scrap Books. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,131. Published July 24, 1951. Class 37.

550,826. Filter Units, Elements, or Cartridges. Filtors, Incorporated, Long Island City, N. Y.
Filed Nov. 9, 1950, Serial No. 606,139. Published Aug. 21, 1951. Class 31.

550,827. Belts of Webbing for Military Wear, and Neckties for Military Wear. Gemsco, Inc., New York, N. Y.
Filed Nov. 9, 1950, Serial No. 606,142. Published Aug. 21, 1951. Class 39.

550,828. Bond Paper; Onion Skin Paper; Paper Filing Folders; Paper Filing Envelopes; Pencils and Erasers. Legal Stationery Co., Inc., New York, N. Y.
Filed Nov. 9, 1950, Serial No. 606,152. Published Aug. 21, 1951. Class 37.

550,829. Lead Pencils. Telu Enterprises, Inc., New York, N. Y.
Filed Nov. 9, 1950, Serial No. 606,183. Published July 24, 1951. Class 37.

550,830. Indoor and Outdoor Electric Lanterns. Artoller Corp., Lodi, N. J.
Filed Nov. 14, 1950, Serial No. 606,357. Published Aug. 7, 1951. Class 21.

550,831. Ultra-Violet Ray Apparatus for Destroying Air Borne Bacteria, for Inhibiting Formation of Mold and Mildew, and for Eliminating Odors. Midwest Naturlite Co., Chicago, Ill.
Filed Nov. 14, 1950, Serial No. 606,386. Published Aug. 7, 1951. Class 21.

550,832. Coated Lenses for Photographic Apparatus. Ercona Camera Corporation, New York, N. Y.
Filed Nov. 15, 1950, Serial No. 606,418. Published Aug. 14, 1951. Class 26.

550,833. Indoor Antennas for Television Receivers. Hi-Lo TV Antenna Corp., Chicago, Ill.
Filed Nov. 15, 1950, Serial No. 606,426. Published Aug. 21, 1951. Class 21.

550,834. Magazine. Chrysler Corporation, Highland Park, Mich.
Filed Nov. 16, 1950, Serial No. 606,454. Published Aug. 21, 1951. Class 38.

550,835. Packing and Liner Paper. Straubel Paper Company, Green Bay, Wis.
Filed Nov. 17, 1950, Serial No. 606,576. Published July 31, 1951. Class 37.

550,836. Monthly Magazine. Temas Corp., New York, N. Y.
Filed Nov. 17, 1950, Serial No. 606,577. Published Aug. 21, 1951. Class 38.

550,837. Whiskey. Austin, Nichols & Co. Incorporated, Brooklyn, N. Y.
Filed Nov. 18, 1950, Serial No. 606,593. Published July 31, 1951. Class 49.

550,838. Knitted Underwear for Men, Women, and Children. S. Handal & Sons, Inc., New York, N. Y.
Filed Nov. 18, 1950, Serial No. 606,608. Published Aug. 21, 1951. Class 39.

550,839. Wall Paper. William Boyd, Beverly Hills, Calif.
Filed Nov. 20, 1950, Serial No. 606,647. Published July 31, 1951. Class 37.

550,840. Ball Point Pens. Ferber Corporation, Englewood, N. J.
Filed Nov. 21, 1950, Serial No. 606,704. Published July 31, 1951. Class 37.

550,841. Magazines. Friends of The Land, Columbus, Ohio.
Filed Nov. 22, 1950, Serial No. 606,769. Published Aug. 21, 1951. Class 38.

550,842. Revolving Multiple-Locker Warm Room Refrigerated Receptacle. Morley W. Piggott, doing business as M. W. Piggott & Co., Seattle, Wash.
Filed Nov. 25, 1950, Serial No. 606,948. Published Aug. 21, 1951. Class 31.

550,843. Confectionary Coating Spraying Apparatus for Enrobing Confections With Powdered or Granular Material. Ice Cream Developers Inc., New York, N. Y.
Filed Dec. 6, 1950, Serial No. 607,329. Published Aug. 7, 1951. Class 23.

550,844. Blankets. Neptune Specialties, Inc., Tampa, Fla.
Filed Jan. 11, 1951, Serial No. 608,667. Published July 24, 1951. Class 42.

550,845. Hand Stamps. The National Cash Register Company, Dayton, Ohio.
Filed Jan. 17, 1951, Serial No. 608,881. Published July 3, 1951. Class 23.

550,846. Wines. Madrone Vineyards, doing business as Almaden-Madrone Vineyards and Nob Hill Vintners, Madrone, Calif.
Filed Jan. 20, 1951, Serial No. 609,042. Published July 10, 1951. Class 47.

550,847. Electric Fans. Martin G. Fettel, doing business as Taylor Industries, Cleveland, Ohio.
Filed Jan. 30, 1951, Serial No. 609,405. Published Aug. 7, 1951. Class 21.

550,848. Diamond Bits. Sprague & Henwood, Incorporated, Scranton, Pa.
Filed Feb. 9, 1951, Serial No. 609,887. Published July 3, 1951. Class 23.

550,849. Traction Field Dusters for Applying Dry Powder Preparations. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Feb. 14, 1951, Serial No. 610,070. Published July 24, 1951. Class 23.

550,850. Electric Blankets, Electric Sheets, and Electric Mattress Pads. Electric Parts Corporation, Chicago, Ill.
Filed Feb. 15, 1951, Serial No. 610,122. Published Aug. 21, 1951. Class 21.

550,851. Electroplating Apparatus and Parts Thereof. Ward Leonard Electric Company, Mount Vernon, N. Y.
Filed Feb. 15, 1951, Serial No. 610,153. Published Aug. 21, 1951. Class 21.

550,852. Electrical Device—Namely, a Device in the Nature of a Condenser for Use in the Ground Rod Circuit of a Lightning Protection System. St. Louis Lightning Protection Co., St. Louis, Mo.
Filed Feb. 16, 1951, Serial No. 610,190. Published Aug. 21, 1951. Class 21.

550,853. Arc Welding Electrode Holders, Ground Clamps, and Cable Connectors. Erico Products, Inc., Cleveland, Ohio.
Filed Feb. 19, 1951, Serial No. 610,263. Published Aug. 21, 1951. Class 21.

550,854. Tungsten Carbide Tool Tips, Dies. Adamas Carbide Corporation, Harrison, N. J.
Filed Mar. 1, 1951, Serial No. 610,653. Published Aug. 21, 1951. Class 23.

550,855. Lawn Mowers, Power Mowers, Tractors, Motor Scythes, and Reciprocating Pumps. Jacobsen Manufacturing Company, Racine, Wis.
Filed Mar. 2, 1951, Serial No. 610,740. Published July 24, 1951. Class 23.

550,856. Machine and Woodworking Tools—Namely, Chisels, Drills, and Bits. Carl L. Janik, Old Greenwich, Conn.
Filed Mar. 5, 1951, Serial No. 610,848. Published Aug. 21, 1951. Class 23.

550,857. Hammer Drill Bits. New England Carbide Tool Co., Inc., Cambridge, Mass.
Filed Mar. 7, 1951, Serial No. 610,986. Published July 24, 1951. Class 23.

550,858. Fountain Pens. William Boyd, Beverly Hills, Calif.
Filed Mar. 14, 1951, Serial No. 611,258. Published July 31, 1951. Class 37.

550,859. Refrigerators—Namely, Mechanically Operated Refrigerators for Domestic and Commercial Use Including Freezers for the Storage of Frozen Food for Domestic and Commercial Uses. The Coolerator Company, Duluth, Minn.
Filed June 14, 1951, Serial No. 615,002. Published Aug. 21, 1951. Class 31.

Service Marks

550,860. Engineering Services in Designing Hot Acid Systems Used in the Manufacture of Paper Pulp, Supervising the Installation of Such Systems, Teaching the Proper Operation of Such Hot Acid Systems, and Adjusting Equipment for Hot Acid Systems Used in the Manufacture of Paper Pulp. Chemipulp Process, Inc., Watertown, N. Y.
Filed Sept. 25, 1947, Serial No. 535,682. Published Aug. 21, 1951. Class 103.

550,861. Prescription Service—Namely, Designing and Making Spectacles or Eyeglasses or Parts Thereof in Accordance With the Individual Requirements of a Patient Previously Examined; Fitting the Complete Spectacles to the Patient; Adjusting and Readjusting the Spectacles in Accordance With the Patient's Individual Requirements From Time to Time; and Making Repairs in Accordance With the Patient's Individual Requirements. The White-Haines Optical Company, Columbus, Ohio.
Filed Oct. 9, 1947, Serial No. 537,384. Published Aug. 21, 1951. Class 103.

550,862. Furnishing to Industrial Factories, or Offices, Clean Towels, Cleansing and Wiping Cloths on a Weekly and Semi-Weekly or Regular Periodic Basis, in Exchange for Soiled Towels, Cleansing, and Wiping Cloths. Mill Sanitary Wiping Cloth Corp., New York, N. Y.
Filed Nov. 23, 1948, Serial No. 569,281. Published Aug. 21, 1951. Class 100.

Collective Mark

550,863. Radio and Television Receiving and Transmitting Apparatus and Parts Thereof. Radio-Television Manufacturers Association, Washington, D. C.
Filed Feb. 20, 1951, Serial No. 610,337. Published Aug. 21, 1951. Class 21.

ACT OF 1946, SUPPLEMENTAL REGISTER

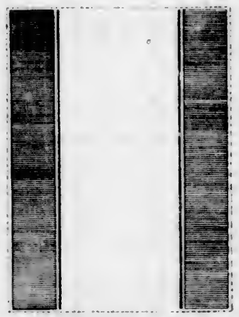
These registrations are not subject to opposition.

550,864. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Borg-Warner Corporation, Chicago, Ill. Original filed, act of 1905, May 22, 1947; amended to application under act of 1946, Principal Register, Aug. 27, 1947; amended to Supplemental Register, Aug. 15, 1949, Serial No. 522,826.

Ingersoll
ENDURE WEAR

For Metal Sewer and Vent Stacks; Metal Water Pipes and Couplings Therefor; Metal Drain Pipes and Couplings Therefor; Metal Fuel Conduits for Gas and Liquid Fuels; and Valves for the Control of the Flow of Liquid and Gas in Pipe Lines, Arranged in Compact Form To Provide a Core for Transportation to and Installation in a Building.
Claims use since Sept. 13, 1946.

550,865. (Class 46. Foods and Ingredients of Foods.) C. F. Mueller Company, by merger of C. F. Mueller Co., Jersey City, N. J. Original filed, act of 1946, Principal Register, Sept. 12, 1947; amended to application, Supplemental Register, Feb. 17, 1950, Serial No. 534,315.



The drawing is lined for blue and red. Applicant claims ownership of Registration No. 234,177.
For Alimentary Pastes.
Claims use since Aug. 1, 1907.

550,866. (Class 16. Paints and Painters' Materials.) Republic Paint & Varnish Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 12, 1947; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 540,880.

PAINTERS' CHOICE

For Ready Mixed Paints Sold in Liquid and Semi-Liquid Form, Paint Enamels, Varnishes, and Varnish Stains.
Claims use since Apr. 15, 1937.

550,867. (Class 16. Paints and Painters' Materials.) Republic Paint & Varnish Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 12, 1947; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 540,887.

KOVER-BEST

For Titanox, Lead and Zinc House Paint.
Claims use since 1931.

550,868. (Class 32. Furniture and Upholstery.) Sure-Fit Products Company, Bethlehem, Pa. Original filed, act of 1946, Principal Register, Nov. 21, 1947; amended to application, Supplemental Register, Feb. 5, 1951, Serial No. 541,976.

"ELASTIC ACTION BACK"

For Ready-Made Slipcovers for Furniture.
Claims use since July 24, 1947.

550,869. (Class 12. Construction Materials.) Southern California Glass Co., Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Mar. 30, 1948; amended to application, Supplemental Register, Jan. 9, 1950, Serial No. 553,416.

HOLLOBILT

For Doors.
Claims use since Feb. 12, 1948.

550,870. (Class 16. Paints and Painters' Materials.) Valentine & Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 30, 1948; amended to application, Supplemental Register, Sept. 8, 1951, Serial No. 553,436.

Sheraton

For Rubbing Varnish.
Claims use since June 19, 1946.

550,871. (Class 4. Abrasives and Polishing Materials.) Beaver Products Co. Limited, St. Laurent (near Montreal), Quebec, Canada. Original filed, act of 1946, Principal Register, June 17, 1948; amended to application, Supplemental Register, Dec. 12, 1949, Serial No. 559,492.

ELEGANT

Applicant claims ownership of Canadian Registration No. 3, N. S. 1,440, dated July 7, 1933.
For Polishing Floor Wax.

550,872. (Class 2. Receptacles.) Joseph Di Bari, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, June 19, 1948; amended to application, Supplemental Register, Aug. 2, 1950, Serial No. 559,692.



For Metal Covered Vessel Containing Liquor Glasses in Fitted Compartments, a Serving Tray for the Liquor Glasses, a Compartment for Liquor Bottles, and an Ice or Chilling Compartment, All Sold as a Unit.
Claims use since Feb. 17, 1948.

550,873. (Class 39. Clothing.) Fownes Bros. & Co. Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 8, 1948; amended to application, Supplemental Register, Nov. 4, 1949, Serial No. 560,877.

SUEDENE

Applicant claims ownership of Registration No. 393,661.
For Gloves Made of Leather and Fabric and Combinations Thereof.
Claims use since June 26, 1941.

550,874. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Henkel-Clauss Company, Fremont, Ohio, and New York, N. Y. Filed Aug. 10, 1948, Serial No. 563,119.

SHEAR QUALITY *Since '77*

For All Purpose Shears and Scissors.
Claims use since May 1947.

550,875. (Class 38. Prints and Publications.) Advance Pattern Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 26, 1949; amended to application, Supplemental Register, Apr. 26, 1951, Serial No. 574,561.

ADVANCE
import

Applicant claims ownership of Registration No. 298,557.
For Periodical Publication.
Claims use since Oct. 30, 1948.

550,876. (Class 32. Furniture and Upholstery.) Sandhill Furniture Corporation, West End, N. C. Filed Mar. 14, 1949, Serial No. 575,441.

The Virginian

For Bedroom Suites of Furniture—Namely, Beds, Chairs, Night Stands, Dressers, Chests of Drawers, Vanities, Vanity Benches and Mirrors.
Claims use since Jan. 3, 1947

550,877. (Class 39. Clothing.) Packard Dresses, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 23, 1949; amended to application, Supplemental Register, Aug. 23, 1951, Serial No. 577,585.

"Mirrors of Fashion"

Applicant claims ownership of Registrations Nos. 365,650 and 404,418.
For Ladies' Dresses, Dress Ensembles, Consisting of Dress and Jacket.
Claims use since Feb. 21, 1949.

550,878. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) M. Epstein, Inc., Morristown, N. J. Original filed, act of 1946, Principal Register, Aug. 5, 1949; amended to application, Supplemental Register, June 25, 1951, Serial No. 583,037.

Lady Morris

The name "Lady Morris" is fanciful.
For Sheets and Pillow-Cases.
Claims use since June 3, 1949.

550,879. (Class 12. Construction Materials.) M and M Wood Working Company, Portland, Oreg. Original filed, act of 1946, Principal Register, Aug. 5, 1949; amended to application, Supplemental Register, Dec. 20, 1950, Serial No. 583,045.

Malarkey

For Plywood and Doors.
Claims use since Mar. 18, 1949.

550,880. (Class 12. Construction Materials.) Sidney J. Terry, Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 8, 1949; amended to application, Supplemental Register, Dec. 12, 1950, Serial No. 583,179.

LOUVRE LITE

For Prefabricated Windows Having Adjustable Glass Louvres.
Claims use since Apr. 27, 1949.

550,881. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Watson Manufacturing Company, Whitehaven, Tenn., and Fulton, Ky. Original filed, act of 1946, Principal Register, Aug. 11, 1949; amended to application, Supplemental Register, July 5, 1951, Serial No. 583,377.

WAT-SON-CO

For Combined Water Pumping and Filtering Apparatus, Including a Pump, Filter Tanks, Various Pipings and a Water Storage Tank, Sold as a Unit.
Claims use since June 1, 1949.

550,882. (Class 39. Clothing.) Kathryn Dodge, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 18, 1949; amended to application, Supplemental Register, Aug. 27, 1951, Serial No. 583,641.



For Fabric Gloves.
Claims use since Feb. 14, 1949.

550,883. (Class 12. Construction Materials.) W. F. Heine Supply Co., Oakland, Calif. Original filed, act of 1946, Principal Register, Sept. 13, 1949; amended to application, Supplemental Register, Oct. 12, 1950, Serial No. 584,767.

HEINEKROME

For Aluminum and Stainless Steel Moulding.
Claims use since Mar. 1, 1945.

550,884. (Class 38. Prints and Publications.) Southern Churchman Publishing Company, Richmond, Va. Original filed, act of 1946, Principal Register, Sept. 27, 1949; amended to application, Supplemental Register, Aug. 10, 1951, Serial No. 585,399.

The EPISCOPALIAN

For Weekly Publication.
Claims use since Sept. 7, 1949.

550,885. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Lawrence Products Company, Inc., Attalla, Ala. Original filed, act of 1946, Principal Register, Oct. 29, 1949; amended to application, Supplemental Register, June 15, 1951, Serial No. 587,040.

LOC-TWIST

For Cotton Rugs.
Claims use since July 1, 1949.

550,886. (Class 38. Prints and Publications.) Kennedy Sinclaire, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 15, 1949; amended to application, Supplemental Register, July 19, 1951, Serial No. 587,806.

Tax Matters

For Periodical Publications.
Claims use since October 1948.

550,887. (Class 32. Furniture and Upholstery.) Louis J. Goldsmith, doing business as L. J. Goldsmith, Jackson Heights, N. Y. Original filed, act of 1946, Principal Register, Jan. 12, 1950; amended to application, Supplemental Register, July 11, 1951, Serial No. 590,745.



The reclining figure shown on the drawing is fanciful.
For Mattresses.
Claims use since Dec. 14, 1949.

550,888. (Class 8. Smokers' Articles, Not Including Tobacco Products.) Jack L. Barbara, doing business as Easy Clip Mfg. Co., Port Jervis, N. Y. Original filed, act of 1946, Principal Register, Jan. 24, 1950; amended to application, Supplemental Register, Mar. 5, 1951, Serial No. 591,343.

EASYCLIP

For Attachment for the Mouth End of a Pipe Stem or Cigar or Cigarette Holder for Purposes of Removing Nicotine and Heat From the Smoke Being Drawn Therethrough.
Claims use since Nov. 15, 1949.

550,889. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Beacon Manufacturing Company, Swannanoa, N. C. Original filed, act of 1946, Principal Register, Jan. 24, 1950; amended to application, Supplemental Register, June 2, 1951, Serial No. 591,346.

Veriwam

For Blankets Made Wholly of Cotton, of Cotton and Rayon, or of Cotton, Rayon, and Wool.
Claims use since Nov. 1, 1949.

550,890. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Nea-T-Way Company, Portland, Oreg. Original filed, act of 1946, Principal Register, Feb. 3, 1950; amended to application, Supplemental Register, Mar. 21, 1951, Serial No. 591,947.

nea-T-way

For Hand-Operated Dispensers of Toilet Tissue in Roll Form and Made of Metal and Attachable to a Wall.
Claims use since Nov. 28, 1949.

550,891. (Class 36. Musical Instruments and Supplies.) Celtic Record Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 11, 1950; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 592,305.

IRISH

For Mechanically Grooved Phonograph Records.
Claims use since Oct. 10, 1948.

550,892. (Class 38. Prints and Publications.) Globe Ticket Company, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Feb. 25, 1950; amended to application, Supplemental Register, Aug. 13, 1951, Serial No. 593,068.

TRUMATCH

For Printed Tickets.
Claims use since Jan. 10, 1950.

550,893. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) S. Shuken & Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Mar. 24, 1950; amended to application, Supplemental Register, Jan. 20, 1951, Serial No. 594,587.

Dri-N-Shine

For Towels and Drying Cloths.
Claims use since Oct. 27, 1949.

550,894. (Class 32. Furniture and Upholstery.) The Columbia Mills, Inc., Syracuse, N. Y. Original filed, act of 1946, Principal Register, May 13, 1950; amended to application, Supplemental Register, Aug. 1, 1951, Serial No. 597,386.

FLAME-CHEK

For Window Shades.
Claims use since May 1, 1950.

550,895. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Hughes Tool Company, Houston, Tex. Filed May 13, 1950, Serial No. 597,399.

SEAL GRIP

For Tool Joints, in the Nature of a Joint or Coupling Used To Secure Together Sections of Drill Pipe Used in the Drilling of Oil Wells.
Claims use since Feb. 18, 1948.

550,896. (Class 52. Detergents and Soaps.) Joseph H. Kremer, doing business under the name and style of Madison Salon Distributing Co., New York, N. Y. Original filed, act of 1946, Principal Register, May 13, 1950; amended to application, Supplemental Register, Feb. 5, 1951, Serial No. 597,400.

MorShampu

For Hair Shampoo Preparation.
Claims use since Dec. 15, 1947.

550,897. (Class 46. Foods and Ingredients of Foods.) Swift & Company, Chicago, Ill. Filed May 15, 1950, Serial No. 597,474.

tender-grown

For Dressed Poultry.
Claims use since March 1949.

550,898. (Class 38. Prints and Publications.) The Bureau of National Affairs, Inc., Washington, D. C. Original filed, act of 1946, Principal Register, June 19, 1950; amended to application, Supplemental Register, June 14, 1951, Serial No. 599,362.

LABOR POLICY and PRACTICE

For Periodical Publication.
Claims use since Feb. 22, 1950.

550,899. (Class 38. Prints and Publications.) Farmers Hybrid Seed Corn Company, Hampton, Iowa. Original filed, act of 1946, Principal Register, June 30, 1950; amended to application, Supplemental Register, Feb. 26, 1951, Serial No. 600,038.

FARMERS Farm-Fax News

For Monthly Publication Covering News and Information of Farm Interest.
Claims use since Feb. 4, 1950.

550,900. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Julius N. Werk Fabrics, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 8, 1950; amended to application, Supplemental Register, June 23, 1951, Serial No. 601,968.

EXTRA DRY

For Piece Goods Made of Acetate and Rayon and Combinations Thereof.
Claims use since 1943.

550,901. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Russell, Burdsall & Ward Bolt and Nut Co., Port Chester, N. Y. Original filed, act of 1946, Principal Register, Aug. 14, 1950; amended to application, Supplemental Register, Aug. 23, 1951, Serial No. 602,165.

SPIN-LOCK

For Bolts, Nuts, and Screws.
Claims use since June 1950.

550,902. (Class 38. Prints and Publications.) Ziff-Davis Publishing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 22, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 602,591.

FAMOUS STARS

For Magazine.
Claims use since Aug. 1, 1950.

550,903. (Class 27. Horological Instruments.) The Gruen Watch Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Aug. 24, 1950; amended to application, Supplemental Register, Aug. 21, 1951, Serial No. 602,688.

AUTOWINDER

Applicant claims ownership of Registrations Nos. 428,316 and 518,881.
For Watches, Watch Cases, and Watch Movements.
Claims use since Aug. 17, 1950.

550,904. (Class 27. Horological Instruments.) The Gruen Watch Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Aug. 24, 1950; amended to application, Supplemental Register, Aug. 21, 1951, Serial No. 602,691.

NEVAWIND

For Watches, Watch Cases, and Watch Movements.
Claims use since Aug. 17, 1950.

550,905. (Class 32. Furniture and Upholstery.) Hosken, Inc., Boston, Mass. Original filed, act of 1946, Principal Register, Aug. 31, 1950; amended to application, Supplemental Register, Aug. 15, 1951, Serial No. 603,013.

HOSKEN

For Household Furniture—Namely, Service Carts, Tables and Trays, Chairs, and Magazine Racks.
Claims use since Nov. 25, 1949.

550,906. (Class 32. Furniture and Upholstery.) S. R. Hungerford Company, Incorporated, Memphis, Tenn. Original filed, act of 1946, Principal Register, Oct. 9, 1950; amended to application, Supplemental Register, July 9, 1951, Serial No. 604,638.

Solid Mahogany by Hungerford Memphis

For Bedroom Furniture Consisting of Chests, Dressers, High and Low Poster, Canopy Beds, Commodes, Night Tables, Hanging and Swinging Mirrors Used in Connection With Furniture, Benches and Vanity Tables.
Claims use since June 20, 1947.

550,907. (Class 38. Prints and Publications.) Wisconsin Bow Hunters Association, Racine, Wis. Original filed, act of 1946, Principal Register, Oct. 14, 1950; amended to application, Supplemental Register, Aug. 10, 1951, Serial No. 604,942.

the BOWHUNTER

For Monthly Publication.
Claims use since May 1950.

550,908. (Class 6. Chemicals and Chemical Compositions.) Undertakers Supply Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 24, 1950; amended to application, Supplemental Register, Aug. 25, 1951, Serial No. 605,381.

SUPERIOR SEEPA SEAL

For Tissue Sealer for Use in Embalming.
Claims use since Aug. 11, 1950.

550,909. (Class 4. Abrasives and Polishing Materials.) Karseal Corporation, Hollywood, Calif. Original filed, act of 1946, Principal Register, Oct. 31, 1950; amended to application, Supplemental Register, Aug. 15, 1951, Serial No. 605,659.

"A FRIEND TO THE FINISH"

For Automobile Polish.
Claims use since Sept. 13, 1946.

550,910. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Eugene T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga. Original filed, act of 1946, Principal Register, Nov. 10, 1950; amended to application, Supplemental Register, June 14, 1951, Serial No. 606,202.

Spun-Weve

For Cotton Textile Products—Namely, Rubberized Rugs and Bath Mat Sets.
Claims use since Sept. 1, 1949.

550,911. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Lawrence Products Company, Inc., Attalla, Ala. Original filed, act of 1946, Principal Register, Nov. 20, 1950; amended to application, Supplemental Register, June 15, 1951, Serial No. 606,666.

BEAUTY WEVE

For Cotton Rugs.
Claims use since Jan. 4, 1950.

550,912. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Lawrence Products Company, Inc., Attalla, Ala. Original filed, act of 1946, Principal Register, Nov. 20, 1950; amended to application, Supplemental Register, June 15, 1951, Serial No. 606,667.

BEAUTY TWIST

For Cotton Rugs.
Claims use since Jan. 4, 1950.

550,913. (Class 27. Horological Instruments.) Meyer Robbin, doing business as Robbin Products, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Nov. 27, 1950; amended to application, Supplemental Register, Sept. 8, 1951, Serial No. 606,982.

U-NO-WINDE

For Wrist and Pocket Watches.
Claims use since Aug. 14, 1950.

550,914. (Class 24. Laundry Appliances and Machines.) American Machine and Metals, Inc., New York, N. Y., and East Moline, Ill. Original filed, act of 1946, Principal Register, Dec. 8, 1950; amended to application, Supplemental Register, July 16, 1951, Serial No. 607,409.

FOLD-FAST

For Laundry Folding Machines.
Claims use since June 20, 1950.

550,915. (Class 18. Medicines and Pharmaceutical Preparations.) Pine Bros. Inc., Philadelphia, Pa. Filed Mar. 26, 1951, Serial No. 611,808.

PINE BROS. SINCE 1870 GLYCERINE TABLETS

The drawing is lined for purple.
For Glycerine Tablets for Relief of Coughs Due to Common Colds, Also Dry Throat, Hoarseness, and Minor Throat Irritations Caused by Smoking or Over-Use of the Voice.
Claims use since 1942.

550,916. (Class 18. Medicines and Pharmaceutical Preparations.) Pine Bros. Inc., Philadelphia, Pa. Filed Mar. 26, 1951, Serial No. 611,809.

PINE BROS. SINCE 1870 GLYCERINE TABLETS

The drawing is lined for the color red.
For Glycerine Tablets for Relief of Coughs Due to Common Colds, Also Dry Throat, Hoarseness, and Minor Throat Irritations Caused by Smoking or Over-Use of the Voice.
Claims use since 1942.

Service Mark

550,917. (Class 101. Advertising and Business.) Mary E. Fischer, doing business under the name and style of Small Fry Service, Portland, Oreg. Original filed, act of 1946, Principal Register, Dec. 18, 1947; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 544,717.

small fry service

The word "Service" is disclaimed.
For Advertising Service Devoted Particularly to the Promotion of Business of Concerns Dealing in Merchandise and Services for Children.
Claims use since July 12, 1946.

TRADE-MARK REGISTRATIONS RENEWED

36,845. LISTERATED. Registered July 30, 1901. Frederick B. Horton, South Manchester, Conn. Re-renewed July 30, 1951, to Lambert Pharmacal Company, St. Louis, Mo., a corporation of Delaware. Tooth-Powder. Class 51.

37,230. "QUALITY" AND REPRESENTATION OF POUND-STERLING SIGN. Registered Oct. 22, 1901. Sterling Oil Co., Emlenton, Pa. Re-renewed Oct. 22, 1951, to Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware. Oils and Greases. Class 15.

37,259. ANIODOL. Registered Oct. 29, 1901. Société Française de Désinfection. Re-renewed Oct. 29, 1951, to Dagand & Cie, Paris, France, a firm. Disinfectants. Class 6.

37,602. OUT O'SIGHT. Registered Dec. 31, 1901. Animal Trap Co., Abingdon, Ill. Re-renewed Dec. 31, 1951, to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania. Animal-Traps and Tack-Hammers. Class 50.

82,268. "SARV" AND DESIGN. Registered June 13, 1911. Societe des Forces Motrices et Usines de L'Arve, Grenoble and Paris, France. Re-renewed June 13, 1951, to Compagnie de Produits Chimiques et Electrometallurgiques Pechiney, Lyon, France, a corporation organized under the laws of France. Aluminum and Aluminum Alloys, Iron and Iron Alloys. Class 14.

82,371. "SARV" AND DRAWING. Registered June 20, 1911. Societe des Forces Motrices et Usines de L'Arve, Grenoble and Paris, France. Re-renewed June 20, 1951, to Compagnie de Produits Chimiques et Electrometallurgiques Pechiney, Lyon, France, a corporation organized under the laws of France. Chlorin, Hydro-Chloric Acid, Alkaline Chlorates and Chlorates of the Alkaline Earths, Etc. Class 6.

82,799. U-KAN. Registered July 25, 1911. A. R. Justice Company, Philadelphia, Pa. Re-renewed July 25, 1951, to A. R. Justice Company, Narberth, Pa., a corporation of Pennsylvania. A Polishing and Cleansing Material for Metal and Cut Glass. Class 4.

82,812. UTOL. Registered July 25, 1911. Minneapolis Drug Company, Minneapolis, Minn. Re-renewed July 25, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. A Remedy for Catarrhal Disorders. Class 18.

83,012. SANTA MARIA. Registered Aug. 8, 1911. Alex. D. Shaw & Co., New York, N. Y. Re-renewed Aug. 8, 1951, to Duff Gordon & Co., Port St. Mary's, Spain, a firm of Spain. Sherry-Wine. Class 47.

83,107. VERNOR'S. Registered Aug. 15, 1911. James Vernor. Re-renewed Aug. 15, 1951, to James Vernor Company, Detroit, Mich., a corporation of Michigan. Ginger-Ale and Ginger-Ale Extract. Class 45.

83,393. PALL MALL. Registered Sept. 12, 1911. Chas. Chipman's Sons, Easton and Selinsgrove, Pa. Re-renewed Sept. 12, 1951, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. Hosiery. Class 39.

84,296. RIVALO. Registered Nov. 21, 1911. Union Petroleum Company, Philadelphia, Pa. Re-renewed Nov. 21, 1951, to Sinclair Refining Company, Chicago, Ill., a corporation of Maine. Lubricating Oils and Greases. Class 15.

84,528. WILDROOT. Registered Dec. 19, 1911. The Retone Company. Re-renewed Dec. 19, 1951, to Wildroot Company, Inc., Buffalo, N. Y., a corporation of New York. Dandruff Remedy. Class 51.

84,999. PET. Registered Jan. 16, 1912. S. Pfeifer & Co., New Orleans, La. Re-renewed Jan. 16, 1952, to Pet Milk Company, St. Louis, Mo., a corporation of Delaware. Butter. Class 46.

275,531. REPRESENTATION OF BLOCK AND CIRCLE DESIGN. Registered Sept. 23, 1930. The Thresher Varnish Company. Renewed Sept. 23, 1950, to The Thresher Paint and Varnish Company, Dayton, Ohio, a corporation of Ohio. Varnishes. Class 16.

280,229. "SCOTCH BOY TAPE" AND REPRESENTATION OF SCOTCH BOY. Registered Feb. 10, 1931. New York Insulated Wire Company, Wallingford, Conn. Renewed Feb. 10, 1951, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Friction Tape. Class 5.

281,482. "SITROUX" AND DRAWING. Registered Mar. 17, 1931. Sitroux Importing Co., Inc. Renewed Mar. 17, 1951, to Sitroux Incorporated, New York and Brooklyn, N. Y., a corporation of New York. Facial and Wiping Tissue. Class 37.

282,808. LORATHOL. Registered May 5, 1931. McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Renewed May 5, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Hand and Skin Lotion. Class 51.

282,971. "EVANS' E-Z-BAKE" ETC. AND DRAWING. Registered May 12, 1931. Acme-Evans Company, Indianapolis, Ind., a corporation of Indiana. Renewed May 12, 1951. Flour, Particularly Plain and Self-Rising Soft-Winter-Wheat Flour, Etc. Class 46.

285,142. "TRU-BLU" AND DESIGN. Registered July 14, 1931. Ed Cain, Chicago, Ill. Renewed July 14, 1951. Jewelry Consisting of Finger Rings. Class 28.

285,242. FLEXIBLE FLAME. Registered July 21, 1931. Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts. Renewed July 21, 1951. Oil Burners. Class 34.

285,374. POLICE POSITIVE SPECIAL. Registered July 28, 1931. Colt's Patent Fire Arms Manufacturing Co. Renewed July 28, 1951, to Colt's Manufacturing Company, Hartford, Conn., a corporation of Connecticut. Revolvers. Class 9.

285,479. TROJAN BLU-KORE. Registered July 28, 1931. The Gummed Products Company, Troy, Ohio, a corporation of Ohio. Renewed July 28, 1951. Gummed Paper and Fabric Tapes. Class 5.

285,546. CHARLITE. Registered July 28, 1931. Charlotte Chemical Laboratories, Inc., Charlotte, N. C., a corporation of North Carolina. Renewed July 28, 1951. A General Cleaning Powder for Floors, Windows, Cooking Utensils, Dairy Equipment, Hospitals, Etc. Class 52.

285,555. "RAINIER" AND DRAWING. Registered July 28, 1931. Pacific Products, Inc. Renewed July 28, 1951, to Rainier Brewing Company, San Francisco, Calif., a corporation of California. Mineral Water. Class 45.

285,675. "NADROX" AND DESIGN. Registered Aug. 4, 1931. Karl Wood, Memphis, Tenn. Renewed Aug. 4, 1951. Nasal Oils. Class 18.

285,744. BUROMIN. Registered Aug. 4, 1931. Hagan Corporation. Renewed Aug. 4, 1951, to The Buromin Company, Pittsburgh, Pa., a corporation of Pennsylvania. Chemical for Treating Steam Boiler Water To Prevent the Formation of Boiler Scale. Class 6.

285,823. "AMERICA'S SWEETHEART" ETC. AND DRAWING. Registered Aug. 11, 1931. Colonial Mills Inc. Renewed Aug. 11, 1951, to Robbins Mills, Inc., New York, N. Y., a corporation of New York. Rayon Piece Goods. Class 42.

285,838. GOLDETTES. Registered Aug. 11, 1931. Floridagold Citrus Corporation, Winter Haven, Fla. Renewed Aug. 11, 1951, to Triple E Development Company, Dade City, Fla., a corporation of Florida. Canned Grapefruit Cut Into Individual Miniature Portions for Convenient Table Service. Class 46.

286,115. "B.V.D" ETC. AND DESIGN. Registered Aug. 18, 1931. The B. V. D. Company, Inc., Baltimore, Md. Renewed Aug. 18, 1951, to B. V. D. Industries, Inc., New York, N. Y., and Baltimore, Md., a corporation of Delaware. Underwear of Woven and Textile Fabrics—Namely, Shirts, Drawers, and Union Suits; Children's Waist Suits; Etc. Class 39.

286,138. MISS MILWAUKEE. Registered Aug. 18, 1931. Carson Pirie Scott & Co., Chicago, Ill. Renewed Aug. 18, 1951, to Milwaukee Boston Store Co., a division of Federated Department Stores, Inc., Milwaukee, Wis., a corporation of Delaware. Ladies' Underwear. Class 39.

286,495. DE-MODA. Registered Sept. 1, 1931. Knit Products Corporation, Belmont, N. C., a corporation of North Carolina. Renewed Sept. 1, 1951. Ladies', Men's, and Children's Hosiery. Class 39.

287,145. "FORESTAL" AND DRAWING. Registered Sept. 15, 1931. The Forestal Land, Timber and Railways Company Limited, London, England. Renewed Sept. 15, 1951, to La Forestal Argentina Sociedad Anonima de Tierras, Maderas y Explotaciones Comerciales e Industriales, Buenos Aires, Argentina; a company organized under the laws of Argentina. Tanning Extracts. Class 6.

287,277. KEAPSIT. Registered Sept. 15, 1931. The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio. Renewed Sept. 15, 1951. Vacuum Bottles. Class 2.

287,312. ALORCO. Registered Sept. 22, 1931. Alcoa Ore Company, East St. Louis, Ill. Renewed Sept. 22, 1951, to Aluminum Ore Company, St. Louis, Mo., a corporation of Delaware. Alumina, Activated Alumina, Aluminum Fluorides, Sodium Fluorides, Etc. Class 6.

287,715. SIGNAL. Registered Oct. 6, 1931. Signal Oil & Gas Company. Renewed Oct. 6, 1951, to Signal Oil Company, Los Angeles, Calif., a corporation of Delaware. Gasoline. Class 15.

287,716. "SUPER FLAME" AND DESIGN. Registered Oct. 6, 1931. Sinclair Refining Company, New York, N. Y. Renewed Oct. 6, 1951, to Sinclair Refining Company, Chicago, Ill., a corporation of Maine. Kerosene. Class 15.

287,948. REPRESENTATION OF LUMP OF COKE SPOTTED WITH METAL FLAKES. Registered Oct. 20, 1931. The Koppers Company. Renewed Oct. 20, 1951, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Coke. Class 1.

288,146. FEU-FOLLET. Registered Oct. 20, 1931. Parfumerie Roger et Gallet, Société Anonyme, Paris, France. Renewed Oct. 20, 1951, to Roger & Gallet, New York, N. Y., a corporation of New York. Toilet Soaps. Class 52.

288,322. FEU-FOLLET. Registered Oct. 27, 1931. Parfumerie Roger et Gallet, Société Anonyme, Paris, France. Renewed Oct. 27, 1951, to Roger & Gallet, New York, N. Y., a corporation of New York. Perfumery—Namely, Extracts, Toilet Waters, and Toilet Preparations for Scenting, Beautifying, and Preserving the Skin and Hair. Class 51.

288,567. GALVANNEALED. Registered Nov. 3, 1931. Keystone Steel and Wire Company, Peoria, Ill., a corporation of Illinois. Renewed Nov. 3, 1951. Zinc Coated, Iron and Steel Sheets. Class 14.

288,966. NANETTE. Registered Nov. 10, 1931. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 10, 1951. Bracelets. Class 28.

289,192. GIANT YELLOW. Registered Nov. 24, 1931. American Pop Corn Company, Sioux City, Iowa, a corporation of Iowa. Renewed Nov. 24, 1951. Popping Corn in Its Natural State. Class 46.

289,407. "ERAYDO" WITHIN DIAMOND-SHAPED DESIGN. Registered Nov. 24, 1931. Illinois Zinc Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 24, 1951. Reinforcement Rods and Bars for Construction Purposes, Etc. Class 12.

289,416. WOODSIDE. Registered Nov. 24, 1931. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 24, 1951. Watches. Class 27.

289,419. ROUND THE WORLD WATCH. Registered Nov. 24, 1931. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 24, 1951. Watches. Class 27.

289,475. "PRESCRIPTION A COMPOUND" AND DRAWING LINED FOR RED. Registered Dec. 1, 1931. Myers Remedy Company. Renewed Dec. 1, 1951, to Modern Drugs, Inc., Philippi, W. Va., a corporation of West Virginia. Medicinal Preparation for Use in Reducing Fever Temperature and in the Treatment of Colds, Coughs, and Bronchial Irritations Due to Colds. Class 18.

289,505. SILVER PUFF. Registered Dec. 1, 1931. Candy Kitchens, Inc., Chicago, Ill., a corporation of Illinois. Renewed Dec. 1, 1951. Candy. Class 46.

289,525. LOYO. Registered Dec. 1, 1931. Tootal Broadhurst Lee Company Limited, Manchester, England, a limited liability company registered under the laws of Great Britain. Renewed Dec. 1, 1951. Cotton Piece Goods. Class 42.

289,561. HAPPY RETURN. Registered Dec. 1, 1931. Schuckl & Co., Inc., San Francisco, Calif. Renewed Dec. 1, 1951, to Schuckl & Co., Inc., Sunnyvale, Calif., a corporation of California. Canned Fruits. Class 46.

289,813. "DAISY" AND DESIGN. Registered Dec. 8, 1931. Lily Mill and Power Company. Renewed Dec. 8, 1951, to Lily Mills Company, Shelby, N. C., a corporation of North Carolina. Sewing Thread. Class 43.

289,908. ARRO. Registered Dec. 15, 1931. The Kendall Company, Boston, Mass., and Chicago, Ill. Renewed Dec. 15, 1951, to The Kendall Company, Boston, Mass., a corporation of Massachusetts. Gauze Bandage and Adhesive Plaster—Namely, Adhesive Tape. Class 44.

290,092. TRACT-A-ROLLER. Registered Dec. 22, 1931. Sinclair Refining Company, New York, N. Y. Renewed Dec. 22, 1951, to Sinclair Refining Company, Chicago, Ill., a corporation of Maine. Lubricating Oils and Greases. Class 15.

290,276. "CLAW" AND DRAWING. Registered Dec. 29, 1931. Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York. Renewed Dec. 29, 1951. Anti-Skid Chains. Class 13.

290,299. REID'S "SPECIAL". Registered Dec. 29, 1931. Reid Ice Cream Corporation, Brooklyn, N. Y. Renewed Dec. 29, 1951, to The Borden Company, New York, N. Y., a corporation of New Jersey. Ice Cream and Frozen Confections. Class 46.

290,339. BAFFIN. Registered Jan. 5, 1932. Salvador Rodriguez, Inc., Tampa, Fla., and Habana, Cuba, a corporation of Florida. Renewed Jan. 5, 1952. Cigars. Class 17.

290,416. CORSAIR. Registered Jan. 5, 1932. Edwin F. M. Speidel, doing business as Automatic Gold Chain Company. Renewed Jan. 5, 1952, to Speidel Corporation, Providence, R. I., a corporation of Rhode Island. Jewelry for Personal Wear or Adornment, Not Including Watches. Class 28.

290,497. "THERM-A-MAGIC". Registered Jan. 5, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 5, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Electrical Devices Consisting of Electric Heaters, Grill Stoves, Hot Plates, Flat Irons, Etc. Class 21.

290,521. EDIPHONE. Registered Jan. 5, 1932. Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. Renewed Jan. 5, 1952. Machines for Shaving Sound Record Tablets, and Accessories Therefor. Class 23.

290,533. "K-M". Registered Jan. 5, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 5, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Insulated Jugs and Vacuum Bottles. Class 2.

290,554. "K-M". Registered Jan. 12, 1932. Knapp-Monarch Company, Belleville, Ill. Renewed Jan. 12, 1952, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Electrical Goods Consisting of Electric Heaters, Grill Stoves, Hot Plates, Etc. Class 21.

290,651. CASBESTILE. Registered Jan. 12, 1932. International Pulp Company. Renewed Jan. 12, 1952, to International Talc Company, Inc., New York, N. Y., a corporation of New York. Pulp or Powder Made of Ground, Pulverized, Powdered, and Prepared Minerals for Use in the Manufacturing of Tiling and Ceramic Products. Class 1.

290,657. CERAMICITE. Registered Jan. 12, 1932. International Pulp Company. Renewed Jan. 12, 1952, to International Talc Company, Inc., New York, N. Y., a corporation of New York., Pulp or Powder for Use in Manufacturing of Tiling and Ceramic Products. Class 1.

290,722. VITAFLUX. Registered Jan. 12, 1932. Imperial Type Metal Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 12, 1952. Compound Used as a Flux for Removing Dross From Type Metal. Class 52.

290,957. SAWYER. Registered Jan. 19, 1932. American Woolen Company, Boston, Mass., and New York, N. Y., a corporation of Massachusetts. Renewed Jan. 19, 1952. Woolen Piece Goods. Class 42.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

137,139. ALL GOLD. Registered Nov. 23, 1920. Cannon Valley Milling Company, Minneapolis, Minn. Wheat-Flour. Class 46. Canceled Oct. 5, 1951. Canc. No. 5604.

192,458. TEX. Registered Dec. 2, 1924. Rumford Chemical Works, Providence, R. I. Dough Assistant Consisting of an Edible Product Designed To Improve the Quality of Leavened Bread by Increasing Its Lightness and Fineness of Texture. Class 46. Canceled Oct. 1, 1951. Sec. 7(d).

285,238. DIRSOF. Registered July 21, 1931. Ronuk, Limited, Portslade, near Brighton, England. Detergent Preparations for General Cleaning Purposes. Class 52 (formerly Class 4). Canceled Oct. 5, 1951. Sec. 18.

327,532. BAR MASTER. Registered Aug. 27, 1935. Bar Master Inc., Seattle, Wash. Equipment for the Dispensing of Effervescent or Gas-Charged Liquids, Etc. Class 23. Canceled Oct. 9, 1951. Sec. 7(d).

350,730. FLEX-O-LACE. Registered Oct. 5, 1937. Clinton S. Robison, Chicago, Ill. Shoe Laces. Class 40. Canceled Oct. 5, 1951. Canc. No. 5682.

375,176. BIG FELLERS. Registered Feb. 13, 1940. Francis H. Leggett & Company, New York, N. Y. Canned Sweet Peas. Class 46. Canceled Oct. 10, 1951. Sec. 7(d).

381,155. HOUSE HOLD PAC. Registered Sept. 10, 1940. Dixon Flavor & Extract Co., San Francisco, Calif. Nonalcoholic, Noncereal, Maltless Beverages, Sold as Soft Drinks, Etc. Class 45. Canceled Oct. 5, 1951. Canc. No. 5668.

420,830. CHERIGAN. Registered May 7, 1946. Perfumes Habana, S. A., Habana, Cuba. Creams and Beauty Products—Namely, Shampoos, Perfumes, Face and Bath Powders, Etc. Class 6. Canceled Oct. 5, 1951. Canc. No. 5052.

425,590. REPCOLENE. Registered Nov. 26, 1946. Refined Products Company, Lyndhurst, N. J. Soap Substitute Applied to Textiles and Leather as a Finishing Agent and Detergent. Class 4. Canceled Oct. 5, 1951. Canc. No. 5531.

430,808. SPHERO-LUX. Registered June 24, 1947. Jandor, Incorporated, Dayton, Ohio. Spotlights for Use in Scientific and Medical Laboratories, Etc. Class 26. Canceled Oct. 5, 1951. Canc. No. 5634.

504,371. SUNVENT. Registered Nov. 30, 1948. Modern Venetian Blinds, Inc., New York, N. Y. Venetian Blinds. Class 32. Canceled Sept. 27, 1951. Canc. No. 5401.

507,325. TAYLOR "TAYLORED TO TASTE" AND DESIGN. Registered Mar. 1, 1949. Taylor Food Company, Raleigh, N. C. Peanut Butter Sandwiches. Class 46. Canceled Oct. 5, 1951. Canc. No. 5672.

536,799. TAYLOR "TAYLORED TO TASTE" AND DESIGN. Registered Jan. 16, 1951. Taylor Food Company, Raleigh, N. C. Potato Chips. Class 46. Canceled Oct. 5, 1951. Canc. No. 5711.

536,800. TAYLOR "TAYLORED TO TASTE" AND DESIGN. Registered Jan. 16, 1951. Taylor Food Company, Raleigh, N. C. Vanilla Cracker Sandwiches With Cream Filling. Class 46. Canceled Oct. 5, 1951. Canc. No. 5711.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

25,802. CUTAWAY. Registered Jan. 1, 1895. The Cutaway Harrow Company, Higganum, Conn. Harrows. Class 23. Amended as follows: In the statement, lines 32 and 33 ", plows, cultivators, horsehoes, and seeders" is deleted.

207,150. CLARK CUTAWAY. Registered Dec. 22, 1925. The Cutaway Harrow Company, Higganum, Conn. Harrows, Cultivators, Edged Disks for Agricultural Implements, Etc. Class 23. Amended as follows: In the statement, the description of goods with the exception of "harrows," appearing in line 7; "edged disks for agricultural implements," appearing in lines 8 and 9; and "and parts thereof," appearing in lines 13 and 14, is deleted.

274,657. "DOBBS" AND DRAWING. Registered Sept. 2, 1930. Dobbs & Co., New York, N. Y. Hat Brushes, Derby Wipers, Etc. Class 29. The drawing is hereby amended to appear as follows:

Dobbs

279,378. "DOBBS" AND DRAWING. Registered Jan. 13, 1931. Dobbs & Co., New York, N. Y. Canes, Umbrellas, Walking Sticks, Parasols, Etc. Class 41. The drawing is hereby amended to appear as follows:

Dobbs

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

25,802. CUTAWAY. Registered Jan. 1, 1895. Renewed Jan. 1, 1925. Re-renewed Jan. 1, 1945. The Cutaway Harrow Company. Harrows. Class 23. New certificate under section 7(c) issued Nov. 13, 1951, to Orkil, Incorporated, East Hartford, Conn., a corporation of Connecticut.

207,150. CLARK CUTAWAY. Registered Dec. 22, 1925. Renewed Dec. 22, 1945. The Cutaway Harrow Company. Harrows, Cultivators, Edged Disks for Agricultural Implements, Etc. Class 23. New certificate under section 7(c) issued Nov. 13, 1951, to Orkil, Incorporated, East Hartford, Conn., a corporation of Connecticut.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 268,057. Registered Mar. 4, 1930. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

EUCERITE

For Waxlike Substance Containing as Active Ingredient a Mixture of Esters of Cholesterol, Useful as an Emulsifying Agent for Pharmaceutical and Cosmetic Products.
Claims use since Aug. 9, 1929.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 285,486. Registered July 28, 1931. Brown & Williamson Tobacco Corporation, Louisville, Ky. Republished by Peter J. Schweitzer, Inc., New York, N. Y., a corporation of New York.

REPEATER

For Cigarette Paper and Cigarette Paper Booklets.
Claims use since Mar. 20, 1931.

Reg. No. 439,405. Registered June 22, 1948. Smith Paper, Inc., Lee, Mass. Republished by Peter J. Schweitzer, Inc., New York, N. Y., a corporation of New York.

FULL HOUSE

For Cigarette Paper Cut To Size and Cigarette Paper Booklets Cut To Size.
Claims use since Jan. 28, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 444,476. Registered Apr. 24, 1951. H. Wm. Polley, Macon, Ga. Republished by Registrant.

DIXIE QUEEN

For Ready-Mixed Paints for Interior and Exterior Use; Technical and Industrial Finishes in the Nature of Protective Paint and Stain Coatings; Creosote Stains; Varnish and Varnish Stains, and Paint Enamels and Paint Primers.
Claims use since May 1929.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 151,673. Registered Feb. 14, 1922. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

Aolan

For Lactoalbuminous Solution Used for Subcutaneous Injections.
Claims use since May 21, 1921.

Reg. No. 187,623. Registered Aug. 5, 1924. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

MEDIPLAST

For Wound Dressing.
Claims use since Mar. 7, 1924.

Reg. No. 198,807. Registered May 26, 1925. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

AQUAPHOR

For Base for Ointments.
Claims use since Dec. 10, 1924.

Reg. No. 292,346. Registered Mar. 15, 1932. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

EUCERIN

For Base for Ointments.
Claims use since Sept. 22, 1931.

Reg. No. 400,902. Registered Apr. 6, 1943. Chicago Pharmacal Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

THICHLORON

For Hematinic Tonic Containing Iron Sulphate and Thiamine Chloride.
Claims use since Nov. 4, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 397,165. Registered Aug. 25, 1942. (Classified in Class 34.) Western Stove Company, Inc., Culver City, Calif., a corporation of California. Republished by registrant.

WESTERN *Holly*

The word "Western" is disclaimed apart from the mark as shown.
For Gas and Electric Ranges for Cooking Purposes.
Claims use since about Dec. 20, 1923.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 411,858. Registered Feb. 6, 1945. New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey. Republished by registrant.

CODE-O-MATIC

For Printing Machines for Applying Code Indications to Labels.
Claims use since May 15, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 378,943. Registered June 25, 1940. Sol E. Weinreich, doing business as Weinreich Brothers Company, New York, N. Y. Republished by Weinreich Brothers Company, New York, N. Y., a partnership.

Lisanda

For Jewelry for Personal Wear or Adornment, Not Including Watches.
Claims use since Jan. 2, 1940.

Reg. No. 394,544. Registered Apr. 14, 1942. Richard E. Weinreich, doing business as Weinreich Brothers Co., New York, N. Y. Republished by Weinreich Brothers Company, New York, N. Y., a partnership.



The words "Pearls" and "Created By" are disclaimed apart from the mark as shown.

For Jewelry and Pearls and Pearl Necklaces for Personal Wear or Adornment, Not Including Watches.

Claims use since January 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 397,165. Registered Aug. 25, 1942. Western Stove Company, Inc., Culver City, Calif., a corporation of California. Republished by registrant.

WESTERN *Holly*

The word "Western" is disclaimed apart from the mark as shown.

For Gas and Electric Ranges for Cooking Purposes.

Claims use since about Dec. 20, 1923.

CLASS 39

CLOTHING

Reg. No. 356,437. Registered Apr. 26, 1938. Lefcort Hosiery Mills, Inc., New York, N. Y. Republished by Valcort Hosiery Corporation, New York, N. Y., a corporation of New York.

One Woman
Tells Another
VALCORT HOSIERY

The word "Hosiery" is disclaimed apart from the mark as shown.

For Ladies' Hosiery.

Claims use since Jan. 6, 1936.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 250,633. Registered Dec. 11, 1928. Lüscher & Bömper A.-G., Fahr, Germany. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

Elastoplast

For Plaster Bandages.

Claims use since Jan. 5, 1925.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 209,904. Registered Mar. 2, 1926. Stittville Canning Company, Utica, N. Y. Republished by Haxton Foods, Inc., Oakfield, N. Y., a corporation of New York.

Blue Boy

For Canned Fruits, Canned Berries, Canned Vegetables, Canned Apple Sauce, Sauerkraut, Chili Sauce, and Catchup.

Claims use since May 1, 1904.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 93,627. Registered Oct. 7, 1913. P. Beiersdorf & Co., Hamburg, Germany. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

Nivea

For Cosmetic Powder, Cosmetic Paste, and Preparations for the Hair.

Claims use since June 23, 1905.

Reg. No. 249,754. Registered Nov. 20, 1928. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

NIVEA

For Toilet Cream.

Claims use since July 22, 1924.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 264,325. Registered Nov. 26, 1929. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

BASIS

For Soap.

Claims use since Dec. 29, 1927.

Reg. No. 321,882. Registered Feb. 19, 1935. P. Beiersdorf & Co. Inc., New York, N. Y. Republished by Duke Laboratories, Inc., Stamford, Conn., a corporation of New York.

NIVEA

For Soap.

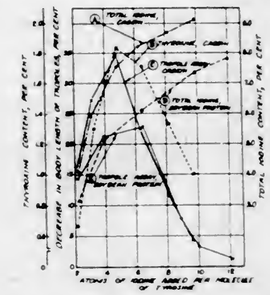
Claims use since July 16, 1930.

REISSUES

NOVEMBER 13, 1951

23,429
PROCESS FOR PRODUCING SYNTHETIC THYROPROTEIN
Charles W. Turner, Columbia, Mo., and Ezra P. Reineke, East Lansing, Mich., assignors to American Dairies Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Original No. 2,478,065, dated August 2, 1949, Serial No. 589,248, April 19, 1945. Application for reissue July 24, 1950, Serial No. 175,495
11 Claims. (Cl. 260—112)

19. A method of synthesizing a thyroprotein comprising the steps of iodinating a solution of protein containing tyrosine and during iodination maintaining the solution at a temperature of 15° C. to 70° C. and at a pH value of 6.8 to 10, then incubating the iodinated protein in the presence of a catalyst selected from the group consisting of manganese oxide, manganese dioxide and manganese sulfate, and a mild oxidation agent selected from the group consisting of a free oxygen-containing gas, hydrogen peroxide,



benzoyl peroxide, lauroyl peroxide, and acetyl benzoyl peroxide for a period of 2 to 72 hours at a temperature of 50° C. to 100° C.

PLANT PATENTS

GRANTED NOVEMBER 13, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

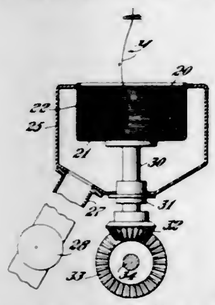
1,048
ROSE PLANT
Frank Spanbauer, Decatur, Ill.
Application August 31, 1950, Serial No. 182,548
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by its very double, many-petaled, full-bodied, pure white blooms of superior substance and beauty which are retained over an extended period of time, by the large size and longevity of its blooms, and by its very strong stems and medium large, leathery leaves, substantially as shown and described.

PATENTS

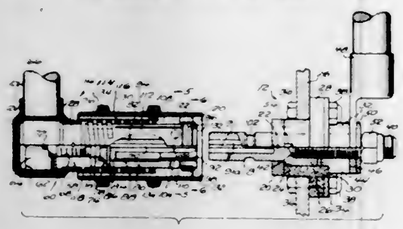
GRANTED NOVEMBER 13, 1951

2,574,455
SUPPLYING YARN
Edward J. Abbott, Wilton, N. H., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H., a corporation of New Hampshire
Application June 8, 1948, Serial No. 31,643
22 Claims. (Cl. 57—34)



22. Apparatus for unwinding a package of yarn comprising a support having a perforated wall with which a surface of the package is engaged, means for rotating the support, means for drawing yarn from a surface of the package which is not in contact with the support to diminish the package toward the wall thereof during rotation, and means for establishing a differential air pressure, with the lower pressure existing at the side of the wall which is not in contact with the package and with the higher pressure at the surface from which yarn is withdrawn.

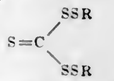
2,574,456
QUICK DISCONNECT COUPLING FOR POWER CABLES
John Wallen Anderson, Westfield, and Jean Willard Hamilton, Montclair, N. J., assignors to Airtron, Inc., Linden, N. J., a corporation of New Jersey
Application July 8, 1949, Serial No. 103,646
2 Claims. (Cl. 173—328)



1. A cable connection comprising a sleeve-like female connection member adapted for electrically-conductive association with a cable portion, a stud-like male connection member adapted for electrically-conductive association with another cable portion and proportioned to telescope into said female member with a close electrically-conductive contact therewith, an aperture in the wall of said female member, an exterior annular recess in said male member, the said aperture and recess being so located in their respective members as to be in radial alignment when the two members are substantially intertelescoped, a non-deformable locking element, in said aperture, of a radial diameter greater than the thickness of the wall of the female member at said aperture, a slidable locking sleeve extending about said female member and having a locking portion which, in one position of the locking sleeve, closely overlies said aperture to hold said locking element in a radially innermost position wherein it extends within said recess in the male member when the connection members are telescoped, to prevent untelescoping thereof, and said locking sleeve having a release portion which, in another position to which the locking sleeve may be slid, overlies said aperture in radially spaced relation thereto in which said locking element is free to move radially outwardly to withdraw from said recess and thereby permit untelescoping of the two connection members.

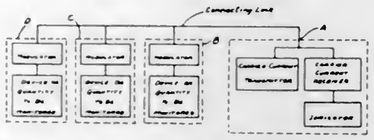
2,574,457
MANUFACTURE OF ALKYL SULFENYL TRITHIOCARBONATES
Philip M. Arnold, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 5, 1947, Serial No.766,438
9 Claims. (Cl. 260—607)

1. An alkyl sulfenyl trithiocarbonate having the general formula



wherein R is a tertiary alkyl radical having no more than 12 carbon atoms.

2,574,458
REMOTE MONITORING SYSTEM
John F. Atkinson and Samuel Lubin, Arlington, Va., assignors to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application June 27, 1947, Serial No. 757,422
8 Claims. (Cl. 177—353)



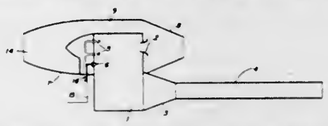
1. A remote monitoring system comprising in combination a carrier current generator, transmission lines for carrying said current to a plurality of remote points at each of which is located a modulator for uniformly varying the amplitude of said current without substantially affecting its frequency, each of said modulators having its own characteristic rate of amplitude variation, and comprising an inductance and

capacitance connected so as to be resonant at the carrier current frequency and having means for varying the resonant circuit at a characteristic low periodic rate, and means for detecting at a distant point each of said amplitude variations.

2,574,459
PREPARATION OF BROWN OXIDE OF IRON
Leonard M. Bennetch, Bethlehem, Pa., assignor to Reichard-Coulston, Inc., Bethlehem, Pa., a corporation of New York
No Drawing. Application August 12, 1947, Serial No. 768,277
4 Claims. (Cl. 106—304)

1. The process of manufacturing brown oxide of iron pigments, which comprises forming a slurry of red hydrous ferric oxide nuclei by treating an aqueous slurry of ferrous salt with an excess of alkali under oxidizing conditions to form a slurry of colloidal particles of hydrous ferric oxide nuclei, adding a ferrous salt to the resultant slurry to react with the unreacted alkali while subjecting the resultant reaction mixture to oxidation, thereafter adding metallic iron scrap to the resultant slurry while subjecting it to oxidizing conditions until a slurry of red hydrous ferric oxide of desired particle size and shade is obtained, and precipitating on the red hydrous ferric oxide particles of said slurry from 5% to 30% by weight, based on the weight of the pigments, of ferrous oxide produced by reacting a ferrous salt with small excess of alkali in the presence of said slurry and in the absence of oxidizing agent, thus producing the desired brown oxide of iron pigments.

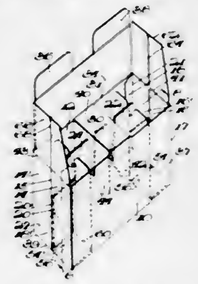
2,574,460
VALVELESS INTERMITTENT RAM-JET ENGINE
Hoy Rolla Bohanon, Lakewood, Ohio
Application April 8, 1946, Serial No. 660,385
8 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. An intermittent combustion device comprising a valveless air chamber having a rearwardly directed discharge nozzle, a valveless combustion chamber, a rearwardly directed inlet nozzle in communication with said combustion chamber and aligned with said air chamber discharge nozzle, a rearwardly directed discharge nozzle in communication with said combustion chamber, a tail pipe attached to the exit of said discharge nozzle, means for intermittent induction of fuel into said combustion chamber during the period when air is inducted from said air chamber, and means for igniting the air-fuel mixture.

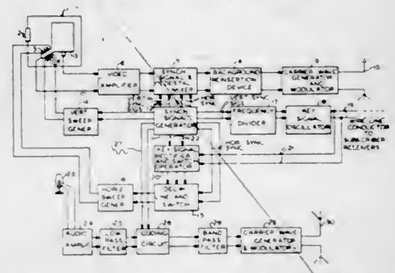
2,574,461
COLLAPSIBLE CELLULAR CARTON
Hubert Velman Bolding, Jeffersonville, Ind., assignor to The Bradley & Gilbert Company, Louisville, Ky., a corporation of Kentucky
Application June 24, 1948, Serial No. 34,952
4 Claims. (Cl. 229—28)

1. A cellular carton comprising side walls, end walls collapsible outwardly along their vertical median line, a bottom wall collapsible inwardly along its longitudinal median line, a longitudinal partition centrally disposed within the carton integral with said bottom wall and movable upwardly into the carton on collapsing of the bottom wall, said longitudinal partition including notched locking tongues adjacent its ends, and transverse partition members flexibly connected, respectively, to the bottom margins of the end walls, each said partition being divided by a



transverse fold line into a bottom reinforcing portion and a cell wall portion and being slotted outwardly from a point adjacent its connection with its respective end wall for reception of the longitudinal partition and slotted inwardly from its outer free margin to form between adjacent ends of the respective slots a solid portion engageable in the notch of a locking tongue when the bottom reinforcing portion of the transverse partition member overlies the bottom and the cell wall portion is disposed normal thereto.

2,574,462
SUBSCRIPTION TYPE TELEVISION TRANSMITTER
Jesse E. Brown, Glencoe, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Original application September 30, 1948, Serial No. 52,079. Divided and this application September 22, 1949, Serial No. 117,244
5 Claims. (Cl. 178—5.1)



1. A subscription television transmitter comprising: a picture-converting device; a scanning system for controlling said device to develop during recurrent trace intervals a video-frequency signal representing a scanned subject and including a synchronizing-signal generator for developing a synchronizing signal during interposed retrace intervals; a mixer device coupled to said picture-converting device and to said synchronizing-signal generator for producing an image signal including in alternation said video-frequency signal and said synchronizing signal; means coupled to said mixer device for transmitting said image signal to a point remote from said trans-

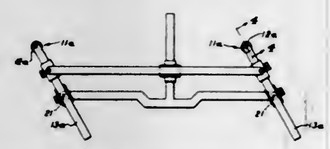
mitter; an audio-signal source; a coding circuit coupled to said source for coding an audio signal therefrom in response to an applied signal; a coding-signal generator coupled to said synchronizing-signal generator for producing a coding signal synchronized with said synchronizing signal and for applying said coding signal to said coding circuit; and means coupled to said coding circuit for transmitting said coded audio signal to said remote point.

2,574,463
T-SQUARE SECURING MEANS
Harold Addison Chapin, San Jose, Calif.
Application December 23, 1946, Serial No. 717,875
2 Claims. (Cl. 33—76)



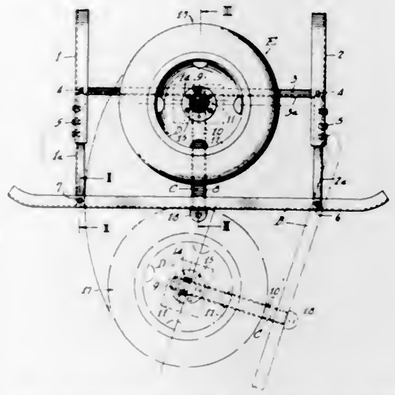
1. The combination of a T-square including a blade, and a transversely extending head secured to one end thereof and having a straight inner wall for engagement with the edge of a drafting board, a U-shaped holder of relatively thin stock carrying the head end of the blade, one leg of the U-shaped holder being disposed between the T-square head and the blade whereby to space the latter slightly above the plane of the top of a drafting board, an elongated bolt extending through said head, blade and blade holder; a knob mounted on the projected end of said bolt above said blade and head, an elongated flat metal strap extending lengthwise of said blade, one end of said strap normally projecting beyond the outer edge of said head and having a down-turned portion disposed in opposition to the outer edge of said head, said strap having a lineal slot through which said knob-carrying bolt extends, a vertically extending pin secured to the strap adjacent its other end, the blade having a slot through which said pin extends to a point below the undersurface of said blade, a shoe carried by the lower end of said pin and positioned to engage the edge of the drafting board opposite to that engaged by the T-square head, said knob having a groove in its bottom surface through which said strap is adapted to slide, and spring means interposed between the down-turned end of said strap and the rear edge of said blade and its U-shaped holder.

2,574,464
ELLIPSOGRAPH
William H. Christie, Altadena, Calif.
Application October 25, 1949, Serial No. 123,492
6 Claims. (Cl. 33—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. An ellipsograph comprising a pair of spaced actuating arms pivotably mounted for rotation in a common plane, a first cross member spanning said actuating arms and pivoted thereto, a second cross member spanning said actuating arms and pivoted thereto, and having a transverse member intersecting said first cross member, and a scriber member mounted slidably on said transverse member and said first cross member at their intersection.

2,574,465
TIRE-WHEEL OR TIRE-RIM CARRIER FOR PICKUP TRUCKS
Kenneth C. Clark, Watsonville, Calif.
Application November 17, 1947, Serial No. 786,476
11 Claims. (Cl. 224—42.22)

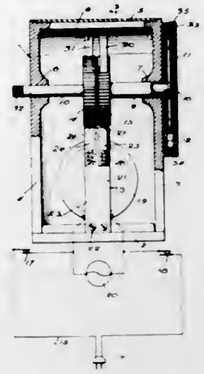


1. The combination with a pair of spaced-apart chassis frames of a vehicle; of a lever swingably supported by one of the chassis frames for swinging movement in a substantially horizontal plane; means for removably anchoring the lever to the other chassis frame; a horizontally-disposed arm fixed to the lever so as to swing therewith; the arm being movable into a position between the chassis frames, and also into a position extending beyond the latter; a tiltable platform pivotally secured to the arm, and being movable into a position overlying the arm and also into a vertical position; means for removably securing a tire-wheel or a tire-rim assembly to the platform; the tire-wheel being disposed within an area defined by spaced-apart frames and the lever when the latter is anchored to the other chassis frame; and means carried by the pair of spaced-apart chassis frames and engageable with the platform when the latter is positioned between the chassis frame for retaining the platform against tilting and constituting a support for the arm.

2,574,466
SMOKE AGENT
John P. Clay and Hervey B. Elkins, United States Army, assignors to the United States of America as represented by the Secretary of War
No Drawing. Application November 7, 1944, Serial No. 562,328
1 Claim. (Cl. 252—305)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

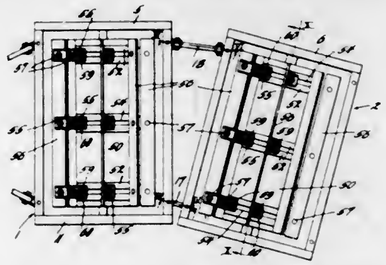
A plasticized red phosphorus smoke agent comprising about 70 to 75% by weight of red phosphorus, about 2 to 6% by weight of rubber, and about 20 to 30% by weight of gasoline.

2,574,467
CHRONOSCOPE
Walton W. Cushman, Webb City, Mo.
Application September 27, 1946, Serial No. 699,651
14 Claims. (Cl. 161—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



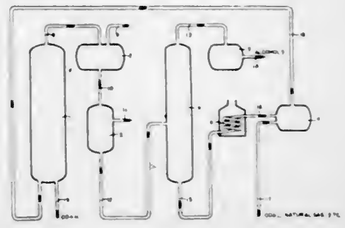
1. A device for measuring short intervals of time comprising a dial, a pointer associated with said dial, means for converting electrical impulses to mechanical strokes, and means for utilizing said mechanical strokes to impart step-by-step rotation to said dial and pointer, respectively, in opposite directions.

2,574,468
STALK CUTTER
Marion G. Denton, Auburndale, Fla.
Application February 21, 1946, Serial No. 649,309
11 Claims. (Cl. 55—61)



4. An agricultural machine for working the ground and breaking and cutting stalks and roots and the like, comprising a pair of cylindrical drums, an axle in each drum, circumferentially spaced blades attached to the outer surface of each drum, each blade extending generally in the direction of the axis of the drum with its flat face extending substantially radially with respect to the axis of the respective drums, a frame embracing each drum in which each axle is mounted, and draft means attached to the frame of one drum at an angle to the direction the drum would roll if its axle were simply turned and strut means interconnecting the drum frames, the axles of the drums forming an acute angle, whereby, as the machine is drawn over the ground the blades enter the ground and at least parts thereof slide longitudinally relative to the ground to produce a slicing action but without causing lateral displacement or inversion of the soil.

2,574,469
METHOD OF UTILIZING AQUEOUS-ORGANIC CHEMICAL WASTES FROM THE FISCHER-TROPSCH PROCESS
Russell G. Dressler and John Russell Bircher, Louisiana, Mo., assignors to the United States of America as represented by the Secretary of the Interior
Application March 21, 1950, Serial No. 151,026
3 Claims. (Cl. 260—450)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

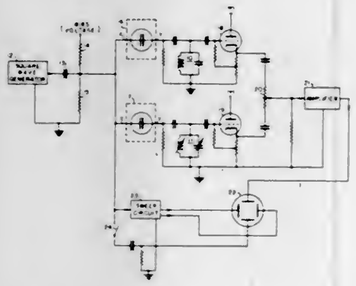


1. A process for the production of liquid hydrocarbons and oxygenated organic compounds from carbonaceous materials involving maximum utilization of acid-contaminated waste waters produced in the process, comprising the steps of converting a carbonaceous material to a synthesis gas comprising a mixture of hydrogen and carbon monoxide by reaction of said material with steam at elevated temperatures in a first reaction zone, passing said synthesis gas to a second reaction zone where said gas is reacted in the presence of a catalyst to produce a product comprising a nonaqueous portion including liquid hydrocarbons and oxygenated organic compounds normally insoluble in water, and an aqueous portion containing dissolved, water-soluble, oxygenated organic compounds including relatively low boiling water soluble oxygenates consisting chiefly of alcohols, aldehydes, and ketones, and likewise including relatively high boiling, water soluble oxygenates consisting chiefly of organic acids, separating said nonaqueous portion from said aqueous portion, separating said relatively low boiling, water soluble oxygenates from said aqueous portion thereby leaving a dilute aqueous solution containing the bulk of the higher boiling water soluble oxygenates, including substantially all the organic acids originally present in said aqueous portion, and then passing this dilute acid-containing solution to said first reaction zone, whereby the water and the carbon values contained in said acid-contaminated solution are employed for the production of synthesis gas for said second reaction zone, thereby making effective utilization of an otherwise waste product of highly corrosive properties, and at the same time eliminating disposal problems connected therewith.

2,574,470
FREQUENCY DETERMINATION
William J. Finney, Cambridge, Mass.
Application March 1, 1946, Serial No. 651,410
10 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

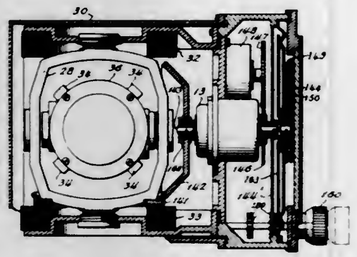
4. An apparatus for determining the frequency of a first resonant circuit, comprising: a reference resonant circuit tuned to a frequency substantially the same as the frequency desired for the first resonant circuit, excitation means connected to

the first resonant circuit and the reference resonant circuit for simultaneously initiating a series of damped oscillations in both resonant circuits, separate isolating amplifiers connected to the resonant circuits combining the damped oscillations thereof into a single line, a cathode



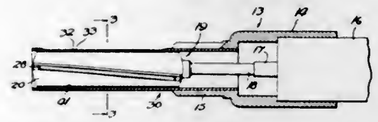
ray tube signal presentation device connected to the isolating amplifiers responsive to the combined signals therefrom, and a time marker signal delivery circuit connected firstly to the excitation means to receive a signal therefrom and secondly to the signal presentation device to supply a time marker signal thereto.

2,574,471
GYROMAGNETIC COMPASS
Caesar F. Fragola, East Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 23, 1945, Serial No. 612,189
In Canada August 10, 1942
6 Claims. (Cl. 33—222)



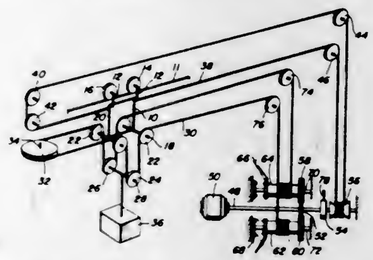
1. In a gyro-magnetic compass system, a slave directional gyroscope having a vertical face and including a vertical ring freely mounted about a normally vertical axis, a compass indicator having an element rotatable in a vertical plane at the face of said gyroscope, a horizontal shaft on which said element is mounted, gearing connecting said shaft and said vertical ring including a slip friction connection to rotate said shaft in synchronism with said ring, but permitting resetting of said shaft without disturbing the gyroscope, torque means for slaving the gyroscope, a signal generator of the selsyn type having a rotor connected to said shaft supplying signals to said torque means for slaving said gyroscope, and a setting knob on the face of said gyroscope having means adapted to be brought into engagement with said shaft for resetting the rotatable element of said compass indicator and the rotor of said signal generator.

2,574,472
MOTOR OPERATED SHAVING DEVICE
Joseph A. C. Galvao, New York, N. Y.
Application June 8, 1949, Serial No. 97,791
1 Claim. (Cl. 30—43)



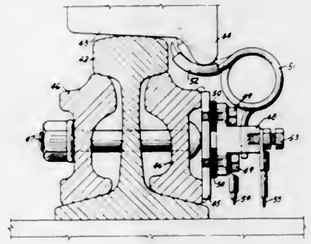
A shaver comprising a tubular casing formed with a longitudinally extenidng slot and with comb teeth extending transversely of the slot, a rotor extending longitudinally in said casing and rotatable therein, said rotor being formed with radial ridges extending longitudinally of the rotor helically thereof and having edge faces confronting the annular wall of the casing, each ridge having its said forward edge face formed with a longitudinally extending recess forming a depressed ledge and a shoulder along the rear edge of the ledge, the ridges being also formed with radially extending sockets adjacent ends of their ledges, and blades extending along the ledges of said ridges and having opposite ends formed with fingers removably fitted into said sockets, the blades being bowed outwardly longitudinally between their fingers and sharpened along their front edges and having their rear edges bearing against the shoulders, said blades having their outer surfaces contacting the inner surface of the annular wall of the casing and thereby pressed inwardly to flatten the blade and maintain the fingers in the sockets.

2,574,473
TRAVELING SHOP HOIST
Alfred J. Getz and Gehres D. Weed, Kalispell, Mont.
Application October 11, 1948, Serial No. 53,882
3 Claims. (Cl. 212—94)



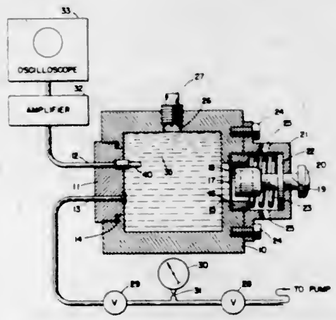
1. A traveling shop hoist including an overhead rail, a carriage, means forming a portion of said carriage mounted on said overhead rail supporting said carriage, pair of spaced pulleys carried by said carriage, a traveling sheave, a flexible elongated member guided by said pulleys supporting said sheave, said carriage including a carriage plate, rollers carried by said plate and engaging said rail to guide said carriage, a pull rope secured to said carriage, a bracket secured for swinging movement to said rail and supporting said pull rope, means secured to said carriage to engage and move said bracket when said carriage is moved on said rail, and a latch operatively connected with said bracket releasably retaining said bracket in the path of travel of said carriage.

2,574,474
RAILWAY WHEEL CHECKING DEVICE
Marion W. Gleskieng, Denver, Colo.
Application February 4, 1948, Serial No. 6,310
4 Claims. (Cl. 246—246)



1. A broken wheel flange indicator for railway car wheels, comprising: a track rail along which said wheels roll; a supporting member extending longitudinally of and electrically insulated from said rail along the flange side of the latter; a plurality of resilient contact members mounted on and extending upwardly from said supporting member at spaced-apart intervals, each of said contact members extending independently across the path of the flange of the wheel so that they will be successively depressed thereby as the wheel rolls along the rail said contact members being electrically insulated from said flange and having their outer extremities in the path of said wheel and uninsulated therefrom so as to make electrical contact with the wheels unless depressed by the flange thereof; and a signal circuit adapted to be closed by the contact of any of said contact members with said wheel.

2,574,475
APPARATUS FOR CALIBRATING PIEZO-ELECTRIC CRYSTAL UNITS
Charles H. Grogan, West Falls Church, Va.
Application February 27, 1946, Serial No. 650,586
7 Claims. (Cl. 73—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

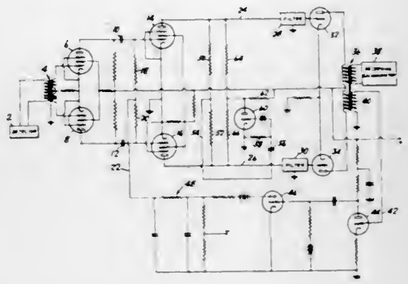


1. A fluid-pressure testing device comprising in combination a sealed container, a fluid contained therein and completely filling said container, pressurizing means operable to maintain the fluid in the container at a desired value of pressure, indicating means to determine the fluid pressure in said container, pressure releasing means for substantially instantaneously equalizing the pressure differential between the inside of said container and the medium surrounding said container, means for sealing a piezoelectric crystal to be calibrated inside the container with electrical crystal connector means extending out therefrom, and indicating means operatively connected to said electrical crystal connector means and operatively responsive to electrical charges which may be developed on said crystal.

2,574,476
ANTISEPTIC DENTAL PLATE ADHESIVE
Clifford J. Heath, Phoenix, Ariz., Carl A. Lawrence, Pinckney, Mich., and Hugo R. Kolar, Chicago, Ill., assignors to Consolidated Cosmetics, Chicago, Ill., a partnership
No Drawing. Application August 22, 1950, Serial No. 180,898
2 Claims. (Cl. 106—207)

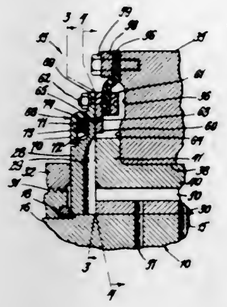
1. An antiseptic and germicidal dental plate adhesive composition consisting substantially of 0.2 percent of 8-hydroxyquinoline, 36 percent of petrolatum U. S. P., 12.5 parts of mineral oil U. S. P., 1.5 parts of harmless red color, 48.8 percent of karaya gum, and a trace of a palatable flavor.

2,574,477
AMPLIFYING CIRCUIT FOR SUPPRESSING SURGES CAUSED BY GAIN CONTROL
Robert L. Henson, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 12, 1945, Serial No. 615,836
2 Claims. (Cl. 179—171)



1. An amplifying circuit comprising a pair of tubes of variable gain type connected in push-pull with respect to signal input, each of said tubes having an anode connected to an anode supply through a load resistor, means for automatically increasing the gain of each of said tubes with decrease of amplitude of signals transmitted therethrough, and means for automatically suppressing changes of anode voltage of said tubes when their gain is varied, the last mentioned means comprising a grid-controlled tube having its anode-cathode circuit arranged to shunt the anode supply of the first mentioned tubes to effect reduction in anode voltage of both of the first mentioned tubes upon increase of current through said anode-cathode circuit, and means connecting the grid of the third mentioned tube to the junctions of the anodes of the first mentioned tubes and their respective load resistors.

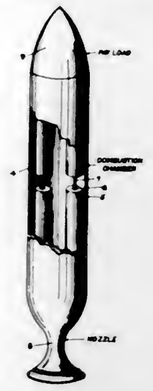
2,574,478
OIL SEAL FOR BEARINGS
Albert F. Hickman, Eden, N. Y., assignor to Hickman Industries, Inc., Eden, N. Y., a corporation of New York
Application August 9, 1946, Serial No. 689,365
2 Claims. (Cl. 286—11)



1. An oil seal between a shaft and a wheel rotatable relative to said shaft, comprising an annular flange fast to said shaft and projecting radially outwardly therefrom, a ring of flexible material secured adjacent its periphery concentrically on said wheel adjacent said flange, a slip ring secured concentrically to said ring of flexible material adjacent its inner margin and engaging the radial face of said flange opposing said wheel, an imperforate annular member secured concentrically to said slip ring and extending around to embrace the opposite radial face of said flange, a slip ring engaging said opposite radial face of said flange concentric with said imperforate annular member, a ring of soft resilient flexible material bonded to the opposing faces of said second slip ring and imperforate annular member and biasing said second slip ring in axial opposition to said first slip ring to provide yielding engagement between both of said slip rings and said flange interposed therebetween, said wheel, flange, ring of flexible material and first slip ring forming a chamber housing the inner part of said first slip ring, and means supplying oil to said first slip ring, comprising a radial groove in the side of said flange opposing said wheel and terminating short of said first slip ring and communicating with said chamber housing the inner part of said first slip ring, and means supplying oil to said groove.

2,574,479
PROPELLANT HAVING AN OPACIFIER FOR PREVENTING SELF-IGNITION BY RADIANT ENERGY RADIATIONS
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application January 30, 1943, Serial No. 474,213
1 Claim. (Cl. 52—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A propellant grain for jet-propelled devices, comprising a double base powder containing 58% nitrocellulose, 40% nitroglycerin and 2% ethyl centralite, an opacifier consisting of .15 to 0.5 weight percent of lampblack incorporated in said powder, said opacifier being dispersed uniformly throughout the powder to form a composite opaque mixture which will prevent internal self-



ignition of the powder by radiant energy radiations produced by surface burning of the powder.

2,574,480
HYDROFLUORINATION OF ACETYLENIC HYDROCARBONS
John C. Hillyer and Joseph F. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 26, 1948, Serial No. 62,244
6 Claims. (Cl. 260—653)

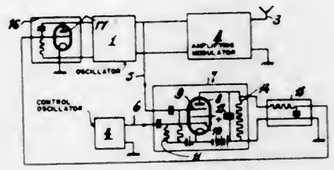
1. The process which comprises reacting an acetylenic hydrocarbon with hydrogen fluoride, employed in a molar ratio of acetylenic hydrocarbon to hydrogen fluoride within the range of 1:1 to 1:4, at a temperature within the range of 350 to 750° F. and in the presence of a catalyst comprising from 70 to 95 weight per cent alumina and from 5 to 30 weight per cent ZnF_2, and recovering hydrofluorinated products thus produced.

2,574,481
PRODUCING 4 - VINYL - 1 - CYCLOHEXENE AND 1,3 - BUTADIENE OF HIGH PURITY
John C. Hillyer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 17, 1949, Serial No. 110,889
5 Claims. (Cl. 260—666)

1. The treatment of 1,5-cyclooctadiene by heating the same to a temperature in the approximate range of 650° F.–1000° F. for a time sufficient to form 4-vinyl-1-cyclohexene.

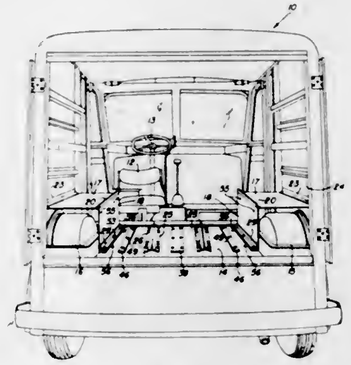
2,574,482
AUTOMATIC FREQUENCY AND PHASE CONTROL SYSTEM
Eduard Herman Hugenholtz, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application November 22, 1946, Serial No. 711,506
In the Netherlands September 21, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 21, 1965
17 Claims. (Cl. 250—36)

1. In a system for producing a control voltage whose value is a function of the frequency and phase difference existing between a first alternating voltage and a harmonic component of a second alternating voltage which is constituted by recurrent pulses, the fundamental frequency of said first voltage being high relative to the repetition rate of said second voltage, the combination comprising a mixing circuit, means to apply said first and second voltages as an in-



put to said circuit, said circuit being normally blocked and being arranged to be rendered operative only for the duration of said pulses, and means to derive from the output of said circuit a control voltage which depends on the frequency and phase difference existing between said first voltage and a harmonic component of said second voltage.

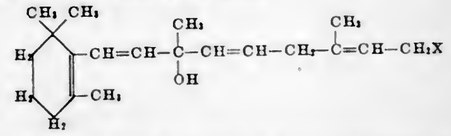
2,574,483
CONVERTIBLE TRUCK FLOOR
Robert K. Jack, Detroit, Mich., assignor to Divco Corporation, Detroit, Mich., a corporation of Michigan
Application October 23, 1947, Serial No. 781,713
8 Claims. (Cl. 296—3)



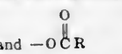
2. In a truck body; means forming a metal floor; a pair of horizontal shelves on opposite sides of and at a different level than said floor, the width of said floor being a whole multiple of the width of one of said shelves; and removable extension members for said shelves, extending horizontally towards each other in the same plane as said shelves to increase the width of said shelves, said extensions having spaced vertical sections extending from their inner ends to said floor, the width of said floor between said vertical sections being a whole multiple of the width of one of said shelves with its extension.

2,574,484
CATALYTIC DEHYDRATION PROCESS
George Karmas, Somerville, N. J., assignor to Ortho Pharmaceutical Corporation, a corporation of New Jersey
No Drawing. Application August 9, 1947, Serial No. 767,849
6 Claims. (Cl. 260—611)

1. A process for dehydrating a compound with the following general formula:



wherein X is selected from the group consisting of



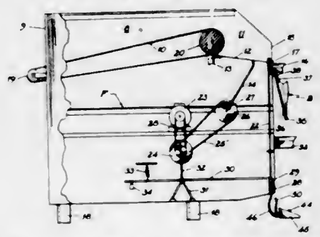
and R is a hydrocarbon radical; which comprises reacting the said compound with phenyl isocyanate in the presence of a catalyst selected from the group consisting of anhydrous inorganic salts of metals of group II and anhydrous inorganic ferric salts.

2,574,485
PROCESS OF TACKLESS SHOEMAKING
Verne L. Kneeland, Manchester, N. H.
Application September 21, 1949, Serial No. 117,027
8 Claims. (Cl. 12—142)



1. The process of shoemaking without insole tacking which includes the steps of anchoring on a last the rear end of an upper having a molded counter-portion, pulling the forepart of the upper over upon the bare forepart of a last, inserting on the last bottom in unattached condition an insole member notched to clear the pulling over tacks, and subsequently lasting the forepart of the upper to the said insole member.

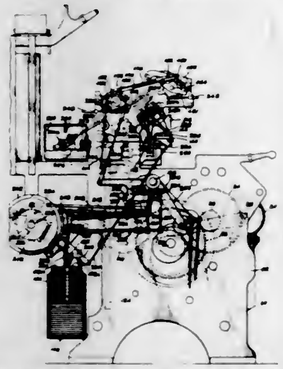
2,574,486
WEIGHING AND PACKAGING MACHINE
Silas M. Kobey, Denver, Colo., assignor to Potato Chip Equipment Corporation, Denver, Colo., a corporation of Colorado
Application September 25, 1945, Serial No. 618,442
8 Claims. (Cl. 249—60)



8. In a machine for packaging irregular articles, a scale, a bag support on the scale, a feed hopper having upwardly extending walls and a

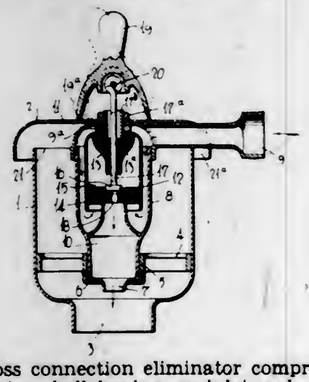
screen bottom, one of said walls having a discharge opening for discharge into a bag on the scale and near an end of the screen bottom, means for moving only the end of the screen bottom nearest the discharge opening upwardly and downwardly for feeding articles into the discharge opening, a support pivotally connected to the other end of the screen at a level above the first mentioned end, a gate for closing the discharge opening and means controlled by the scale for closing the gate when a predetermined weight has been attained.

2,574,487
STRAIGHT BAR KNITTING MACHINE
Fritz Lambach, Tenafly, N. J., assignor to Robert Reiner, Inc., Weehawken, N. J.
Application April 25, 1947, Serial No. 743,938
26 Claims. (Cl. 66—127)



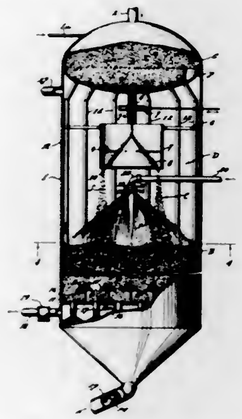
1. In a straight bar knitting machine, the combination of: a plurality of reciprocable carrier rods, an actuating drive for reciprocating said carrier rods, a plurality of friction-slip clutches, each friction-slip clutch being interposed between a carrier rod and said actuating drive, and a plurality of automatic controlling means associated with said carrier rods for selectively holding same in a predetermined position and releasing same at predetermined intervals.

2,574,488
CROSS CONNECTION ELIMINATOR
Jesse D. Langdon, Long Beach, Calif.
Application October 12, 1945, Serial No. 621,964
4 Claims. (Cl. 137—93)



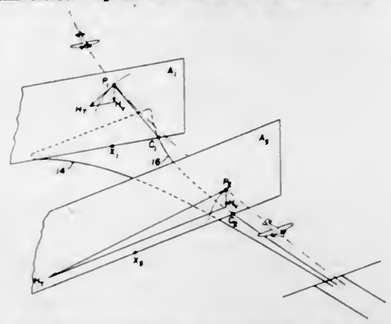
4. A cross connection eliminator comprising a tubular outer shell having an inlet end open to atmosphere and a liquid outlet end, and circumscribing and defining annular passage means spacing a concentrically disposed valve unit away from the inner wall of the outer shell, said valve unit held in fixed spaced relationship by interconnecting means extended across the annular space between the inner wall of the shell and the outer wall of said valve unit, the valve being provided with an inlet for connecting same to a source of liquid supply, said valve having a discharge nozzle disposed between the inlet end of the shell and said liquid outlet end of said shell, the opening of the nozzle projecting toward the outlet end of said shell, said annular space around said valve constituting ample means for the free passage of air entrained by a jet of liquid projected from said discharge nozzle under pressure whereby air is drawn thru spaces provided between said interconnecting means constituted by narrow arm means extended across said annular space, the jet of liquid combined with the entrained air being projected thru the outlet end of said shell, said annular passage means being of an area greater than the area of the discharge nozzle opening and permitting free ingress of atmosphere from the inlet end of said shell into the nozzle when a subatmospheric condition of pressure exists within said valve, thereby eliminating any cross connection between said nozzle and said liquid outlet end of said shell.

2,574,489
PROCESS OF CONVERTING HYDROCARBON MATERIAL
Raymond C. Lassiat, Swarthmore, and Reuben T. Savage, Ridley Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application December 19, 1947, Serial No. 792,726
4 Claims. (Cl. 196—52)



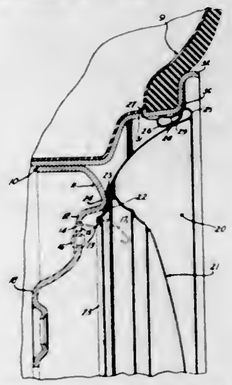
1. In a process wherein hydrocarbon material undergoes conversion in the presence of a bed of particles of contact material in a confined zone, which bed gravitates downwardly through a conversion zone; the method of contacting hydrocarbon material at least partially in the liquid phase with said contact material which comprises feeding said hydrocarbon material to an atomizing zone located within said confined zone above said bed, spraying atomized liquid hydrocarbon material downwardly from said atomizing zone as a body of spray whose horizontal cross sectional area continuously expands and produces a substantially continuous area of horizontally uniformly distributed spray at the base of said body, maintaining the surface of said bed at a level where said surface is substantially coextensive with said area, and contacting substantially all of the surface of said bed with said spray of atomized liquid whereby uniform distribution of said atomized liquid on the particles of contact material is effected.

2,574,490
MAGNETIC BLIND-LANDING SYSTEM
George C. Lawrence, Pine Beach, N. J.
Application March 4, 1947, Serial No. 732,361
5 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



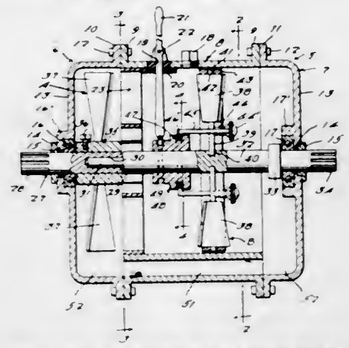
3. An electromagnetic system to assist a pilot of a vehicle to bring the vehicle along a predetermined path to its destination, said system comprising a conductor positioned near the surface of the earth and describing an elongated generally triangular outline, the apex of which is in the vicinity of said destination, and two sides of which diverge from said apex and present generally convex faces to each other, and means for energizing said conductor with alternating current of predetermined frequency, whereby a uniform field intensity is established at successive points of said path.

2,574,491
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application March 9, 1948, Serial No. 13,749
8 Claims. (Cl. 301—37)



1. In a wheel structure including a wheel having a multi-flanged tire rim part including an intermediate flange with a nose juncture with a terminal flange and a body part with a hub cap in detachable cooperation therewith, an annular trim ring disposed between the body part and rim part having its outer margin turned back on itself to form a curled hollow outer edge, said curled edge being spaced from the rim part and, having extending therefrom rearwardly of the ring toward the wheel, a plurality of looped fingers each with an outer extremity facing the intermediate flange nose juncture of the rim part and a loop portion spaced axially inwardly from said extremity engaging the intermediate flange of the rim part to form a cushioned centering contact between the ring and the rim, the inner edge of the ring being clamped and secured against the body part by the hub cap.

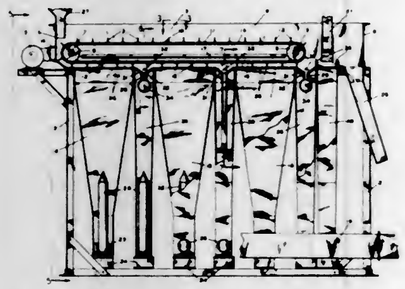
2,574,492
ROTARY TURBINE TYPE HYDRAULIC COUPLING
David S. Nowak, Silver Lake, Minn.
Application May 14, 1948, Serial No. 27,133
2 Claims. (Cl. 60—54)



1. A hydraulic coupling comprising a cylindrical casing adapted to contain a fluid therein, a rotatable drive shaft arranged longitudinally of and within said casing adjacent one end thereof and having one end rotatably projecting through and out of said one end of said casing for connection to a driving element, a rotatable driven shaft arranged longitudinally of and within said casing in end to end aligned relation with respect to the other end of said drive shaft, and having its adjoining end journaled in the adjoining end of said drive shaft and having the other end rotatably projecting through and out of the other end of said casing for connection to a driven element, a hub positioned within said casing adjacent said one end thereof and fixedly supported on said drive shaft, a first group of blades fixedly arranged radially about said hub, a second group of blades arranged radially about said driven shaft, said driven shaft having radial sockets formed therein, said blades of the second group having reduced inner ends journaled in the sockets and each of said blades being mounted on said driven shaft for rotation therewith, and for oscillation about an axis radially of said driven shaft, a shift block slidably circumposed about said driven shaft and mounted thereon for movement toward and away from said second group of blades, means operatively connected to said block and each of the blades of said second group for effecting the simultaneous oscillation of said blades about axes radially of said shaft upon the movement of said block toward and away from said second group of blades to change

the pitch of said blades, and means exteriorly of and pivotally connected to said casing for rocking movement about an axis transverse of said casing and having one end engageable with said block for effecting the movement of said block toward and away from said second group of blades.

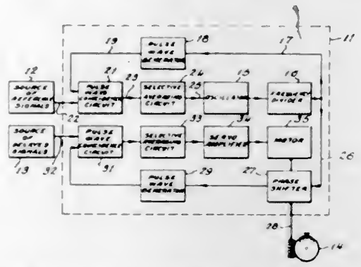
2,574,493
CLASSIFIER AND SEPARATOR
Lyle Gordon McLean, Warden, Wash.
Application April 18, 1949, Serial No. 88,125
7 Claims. (209—474)



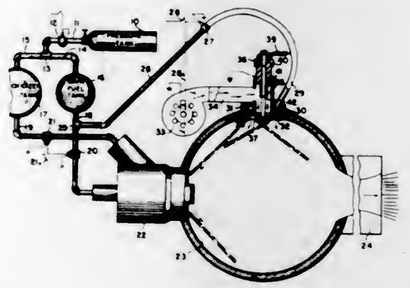
1. A classifier and separator comprising a trough having a substantially horizontally disposed bottom wall that is perforated substantially throughout its entire area, a supply station for supplying material to the trough, receivers longitudinally spaced beyond said supply station and beneath said trough and having mouths opening through said bottom wall to remove a portion of the material therefrom, a foraminous conveyor operatively mounted longitudinally in the trough for advancing the material from the supply station along the bottom of the trough and past at least some of said receivers, means beneath the trough for supplying air under pressure to the trough and directing the air substantially vertically up through the conveyor and the material to float the material and cause the material particles to stratify according to their weight, wiper members transversely of the conveyor and extending substantially to said bottom plate for moving the heavier bottom strata along the bottom plate to said mouths, shields mounted transversely across and partially covering the open mouths of the receivers to support and pass over said mouths the stratified top layer of lighter particles while the heavier particles stratified as the bottom layer flow under the shields into the receiver mouths, and means beyond said receivers for removing said stratified top layer from the trough.

2,574,494
TIMING APPARATUS
Winslow Palmer, West Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application July 16, 1946, Serial No. 684,060
13 Claims. (Cl. 175—381)

1. Apparatus for timing the interval between periodic reference and delayed pulse wave signals comprising a source of reference signals and a source of delayed signals, a first wave-generating means for generating a first synchronizing wave at a frequency normally lower than that of said signals, means fed from said first generating means and connected to receive the reference signal for producing a frequency control wave having an amplitude dependent upon the amplitude of said reference signal when said first synchronizing wave is generated, means connected to be controlled by said control wave for increasing the frequency of said first synchronizing wave in response to the amplitude of said control wave whereby to maintain said first synchronizing wave in coincidence with said reference signal, a second wave-generating means for generating a second synchronizing wave normally delayed with respect to said first synchronizing wave, means fed from said second generating means and connected to receive the delayed signal for producing a second frequency control wave having an amplitude dependent upon the amplitude of the delayed signal when said second synchronizing wave is generated, means connected to be controlled by said second control wave for decreasing the delay of said second synchronizing wave in response to the amplitude of said second frequency control wave whereby to maintain said second synchronizing wave in coincidence with the delayed signal, and means for measuring the time interval between said first synchronizing wave and the delayed second synchronizing wave.

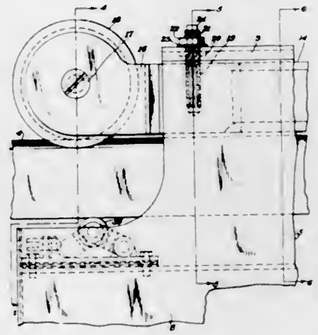


2,574,495
FLAME IGNITER FOR JET PROPULSION UNITS
Frank A. Parker, Jr., United States Navy
Application May 16, 1945, Serial No. 594,129
10 Claims. (Cl. 60—39.14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



10. In an apparatus for producing jet reaction motive forces wherein a nonspontaneously ignitable liquid propellant is burned, a combustion chamber, a main fuel nozzle and an igniter fuel nozzle for said chamber, means for delivering the liquid propellant to said main fuel nozzle and means for delivering the liquid propellant to said igniter fuel nozzle, said last named means including igniter means arranged to automatically discontinue operation in response to pressure of combustion of the propellant discharged by the main fuel nozzle.

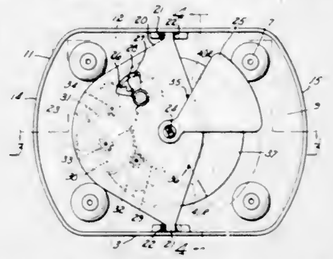
2,574,496
MEANS FOR SUPPORTING AND GUIDING HORIZONTALLY SLIDING DOORS
Sawyer M. Pomeroy, Lyndhurst, and Ira R. Disbro, Lakewood, Ohio, assignors to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application September 13, 1944, Serial No. 553,926
1 Claim. (Cl. 20—19)



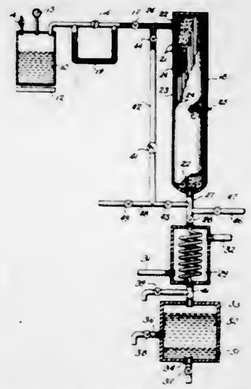
In a sliding door structure, a door; a horizontal bar forming a track for supporting the door; a carriage mounted on the track and comprising an elongated member with a sheave mounted on each end thereof so that the member is suspended between the sheaves, said sheaves being adapted to roll on said track, the said sheaves being disposed proximate to the vertical planes of the side edges of the door, respectively, said door having the top edges at the side portions thereof below the said bar and having a part extending upwardly from its central top portion, and means for connecting said part to said elongated carriage member intermediate the sheaves; a flange adjacent to the top side edges of the door and extending beneath and parallel to said bar; and an upthrust limit device mounted on said flange comprising, a base member mounted to the flange, a pair of toggle links extending longitudinally relative to said bar, one of said links being pivotally connected at one end to the base member and at the other end to one end of the other link, means for adjustably positioning the end opposite said one end of said other link to vary the angle between said links; and an abutment member carried by the links at their connected ends, said abutment member being disposed directly beneath one of said sheaves and adapted to engage the under side of said bar in the event the door tends to tilt relative to the bar.

2,574,497
TIMER
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes Incorporated, Hartford, Conn., a corporation of Delaware
Application December 18, 1946, Serial No. 717,066
11 Claims. (Cl. 161—15)

1. A timing device comprising a casing having top and bottom walls adapted to selectively rest upon a supporting surface, a time movement within the casing having a movable indicator and an escapement for controlling the speed of movement thereof, and driving means for the indicator energized by inversion of the device.

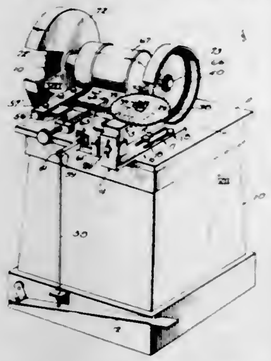


2,574,498
METHOD OF DEODORIZING TERPENES
Allen T. Rooch, Cincinnati, Ohio, and Charles E. Greenlaw, Detroit, Mich.; said Greenlaw assignor to said Rooch
Application September 10, 1948, Serial No. 48,728
6 Claims. (Cl. 260—675.5)



1. A method of modifying commercial cyclic terpenes of the group consisting of commercial dipentene and commercial turpentine to substantially deodorize the same from an obnoxious to a relatively pleasant odor, said terpenes containing a substantial amount of p-cymene, said method consisting in heating a commercial terpene of said group to its vaporizing temperature, passing the vaporized terpene of said group through a catalyst bed consisting of alumina pellets having an average diameter of about one-fourth (¼) to three-eighths (⅜) of an inch, heating said catalyst bed to a temperature above the temperature of said vapor and within the range of about 200° C. to 450° C., maintaining the pressure of the vapor of the terpene of said group at the point where it enters such catalyst bed at such a value that the rate of flow of said vapor on a liquid basis through the bed is maintained between about 2.5 to 15 gallons per hour per one hundred (100) pounds of catalyst, discharging the vapor from said catalyst bed, condensing the discharged vapor, and so adjusting the temperature of the catalyst bed relative to the rate of flow of vapor therethrough that the condensate consists of water and a modified terpene of said group containing substantially the same amount of p-cymene as the untreated terpene.

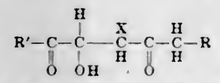
2,574,499
SAW SHARPENER
Constantine Ruscitti and John M. Barnes, Cincinnati, Ohio
Application May 19, 1948, Serial No. 28,038
4 Claims. (Cl. 76—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A circular saw grinder comprising a base, a carriage slidably mounted upon said base, a motor mounted upon said carriage, a grinding disk driven by said motor, an adjustable arbor adjustably mounted upon said base, a double channel plate mounted upon said arbor, means mounted on the plate in one of the channels thereof for mounting a circular saw blade in grinding position relative to the grinding disk, the said plate and means being positioned on the base adjacent to the grinding disk, the said means being adapted to be received in either channel of the plate for shifting the saw blade laterally relatively to the grinding disk for predeterminately varying the angle between the saw blade and the grinding disk, the said means presenting the saw blade to the disk at an angle forming a cross-cut saw tooth in the blade responsively to the said means being in one of the channels and at another angle defining a rip-saw tooth in the blade responsively to the said means being in the other of the channels, manually operable means in connection with said motor and said base for slidingly moving said grinding disk into and out of engagement with said saw, and adjustable means mounted upon said base for limiting the engaging movement of said grinding disk.

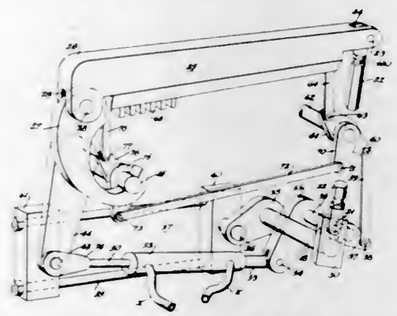
2,574,500
HYDROXYDIKETONES
Milton S. Schechter, Washington, D. C., and Frederick B. La Forge, Arlington, Va.; dedicated to the free use of the People in the territory of the United States
No Drawing. Original application May 11, 1950, Serial No. 161,481. Divided and this application June 14, 1950, Serial No. 168,142
18 Claims. (Cl. 260—590)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

10. A 1,4-dioxo-2-hydroxy compound of the formula:



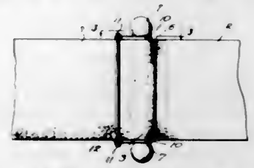
in which R' is a hydrocarbon radical; R is a radical having a chain of carbon atoms directly linked to the formula residue, said chain having an unsaturated, non-aromatic, carbon to carbon bond; and X is a radical taken from the group consisting of H and allyl.

2,574,501
GUILLOTINE KNIFE-IMPROVED VALUES FOR HYDRAULIC CLAMP
Frederick W. Seybold, Westfield, N. J., and Nicholas Herman, Bronx, N. Y., assignors to E. P. Lawson Co., Inc., New York, N. Y., a corporation of New York
Application September 9, 1949, Serial No. 114,786
9 Claims. (Cl. 164—51)



2. Reciprocating sheet cutting mechanism comprising a vertically reciprocating knife; driving members therefor and a vertically reciprocating clamp member; means connected between the knife driving members and the clamp for driving the clamp; said means including a fluid filled coupling between the knife driving members and the clamp, the elements of the fluid filled coupling being movable with respect to each other independently of the movement of the knife driving members and control apparatus for the elements of the fluid filled coupling; said control apparatus being operable independently of the knife driving means to operate the clamp; a solenoid having a coil and an armature, a connection between said armature and said control apparatus; means operable by the knife driving members for controlling the energization and de-energization of said solenoid coil, and a lever independently operable and connected to said control apparatus for operating the same while the solenoid coil remains de-energized.

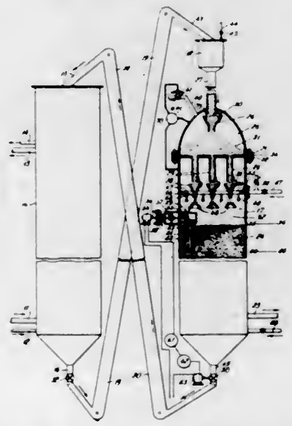
2,574,502
BELT FASTENER
Paul A. Siple, United States Army, Arlington, Va.
Application June 30, 1945, Serial No. 602,621
8 Claims. (Cl. 24—201)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A belt and fastening means comprising a slotted open-ended hollow member secured to one end of said belt, a rod-like member secured to the other end of said belt and adapted to be

received in said hollow member, at least one of said members being resilient, means pivotally secured to said belt adjacent said hollow member for engagement of said rod-like member to secure said rod-like member in said hollow member, and spring means positively urging said pivotally secured means into engagement with said rod-like member.

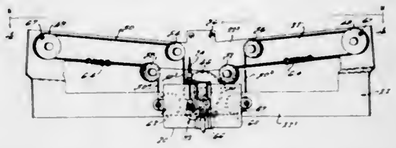
2,574,503
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION
Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 12, 1946, Serial No. 647,173
31 Claims. (Cl. 196—52)



23. A process for converting liquid hydrocarbons to valuable gasiform products in the presence of a particle-form contact material which comprises, maintaining a substantially compact bed of particle-form contact material in a confined conversion zone, bringing the liquid hydrocarbon charge in the liquid phase into an initial contact with particle-form contact material existing at a suitable conversion supporting temperature in a region apart from said bed and then delivering the initially contacted contact material and hydrocarbons to said bed, withdrawing contact material from the bottom of said bed to promote downward flow of the particles in said bed, flowing the liquid hydrocarbons downwardly through a substantial portion of said bed to effect completion of the desired conversion to gasiform products and withdrawing gasiform products from said bed.

2,574,504
WINDSHIELD WIPER MECHANISM
Emil E. Sivacek, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application October 30, 1946, Serial No. 706,578
7 Claims. (Cl. 74—722)

1. A driving mechanism for effecting oscillatory movement of windshield wipers and the like comprising a unitary support adapted to be mounted in predetermined relation to the windshield, driven shaft supporting means carried thereby, a driven shaft carried by said supporting means, and means for transmitting oscillatory movement to said shaft, said last named means including pulley means fast upon said shaft, guiding means also rotatably supported upon said support, an endless cable-type power-transmitting means trained over said pulley means and guiding means and adapted to be rove over a driving motor pulley, and means securing a portion of said endless cable-type power-transmitting means to said



pulley means, said driving mechanism including a plurality of such driven shaft and driven pulley means carried by said support for driving a plurality of windshield wipers, said guiding means comprising a plurality of idler pulley means also mounted upon said support, and a certain of said pulley means being angularly disposed but tangentially aligned with respect to one another.

2,574,505
PROCESS OF PREPARING 2,2-DIPHENYL-3-METHYL-4-DIMETHYLAMINO BUTYRONITRILE
Meyer Sletzinger, Forest Hills, N. Y., and Max Tishler, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 2, 1948, Serial No. 36,803
8 Claims. (Cl. 260—465)

1. The process which comprises reacting 1-methylamino-2-propanol with formamide, treating the compound thus obtained with thionyl chloride, reacting the resulting chlorinated product with the condensation product of diphenylacetonitrile and sodamide, and reducing the compound thus formed by treatment with formic acid and a compound selected from the class which consists of trioxane and paraformaldehyde to produce 2,2 - diphenyl - 3 - methyl - 4 - dimethylamino-butyronitrile.

2,574,506
2-2-DIPHENYL-3-METHYL-4-METHYLFORMAMIDO-BUTYRONITRILE
Meyer Sletzinger, Forest Hills, N. Y., and Max Tishler, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application July 2, 1948, Serial No. 36,803. Divided and this application January 31, 1951, Serial No. 208,842
1 Claim. (Cl. 260—465)

2,2-diphenyl-3-methyl - 4 - methylformamido-butyronitrile.

2,574,507
SETTING AND BINDING MATERIAL AND ITS MANUFACTURE
Herman Weber, Harriman, Tenn.
No Drawing. Application December 17, 1947, Serial No. 792,337
2 Claims. (Cl. 106—109)

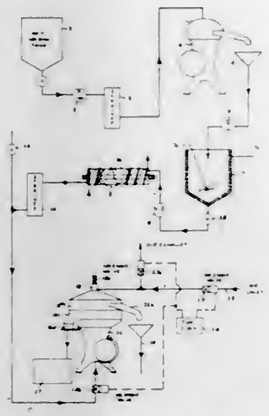
1. A new anhydrous quick-setting material, comprising finely-ground artificial anhydrite resulting from the process of producing fluorine by the decomposition of fluorspar with concentrated sulfuric acid and about 3 per cent of slaked lime.

2,574,508

PROCESS FOR PRODUCING HEAVY CURD

George J. Strezynski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application June 2, 1947, Serial No. 751,687
14 Claims. (Cl. 99—116)



1. In the treatment of milk products containing milk solids suspended in serum, to obtain cheese curds, the process which comprises feeding the milk product in a continuous stream through a solids dispersing zone in which the milk solids are reduced to fine particles and dispersed substantially uniformly in the serum, accumulating a body of the dispersed milk solids and serum along with a starter in a holding space wherein the fat content of the milk product is less than 5%, coagulating the curds in said space, subjecting the body to mild agitation in said space followed by a period of holding under quiescent conditions, to form an acid mixture of precipitated curds as a heavier constituent and whey as a lighter constituent, withdrawing a mixture of curds and whey from the lower part of said space and feeding the same to a locus of centrifugal force at a temperature in excess of 90° F., separating the mixture in said locus into an inner annulus of whey and an outer annulus of curds, continuously discharging whey from said locus from the inner annulus therein, discharging curds from said outer annulus through the outer wall of the locus at high speed, and impacting the discharging curds by suddenly changing their velocity.

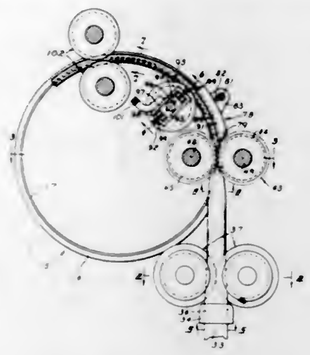
2,574,509

VERTICAL AXIS BEADING

Kimberly Stuart, Menasha, Wis., assignor of one-half to Elizabeth R. B. Stuart, Menasha, Wis.

Application July 31, 1946, Serial No. 687,267
6 Claims. (Cl. 153—1)

1. Apparatus for applying a stiffening rim upon a generally circular article comprising means supporting said article for free rotation with its peripheral edge adjacent a rim securing station, means for laterally prebending a strip of metal about its longitudinal axis and advancing it longitudinally toward said station in a slightly arcuate condition substantially tangentially of the peripheral edge of said article, means at said station for further bending said strip transversely of its length and about its longitudinal axis around the peripheral edge of said article with the opposite lateral edges of said strip disposed angularly with respect to the opposite sides of said article at said edge whereby the opposite lateral edges of said strip are forced into intimate locking engagement with said article, said means also being operable to rotate said article and advance said strip through said station so that said



strip is progressively fastened along the peripheral edge of said member, means radially adjustable with respect to said circular article for engaging said fastened strip beyond said rim securing station for laterally bending said strip in a direction substantially parallel to the general plane of the original strip to conform said strip substantially to the periphery of said article.

2,574,510

CATIONIC SURFACE ACTIVE AGENTS AND METHOD OF PREPARATION

Jack T. Thurston, Riverside, Conn., and Wilbur N. Oldham, Monrovia, Calif., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 4, 1947, Serial No. 726,436
9 Claims. (Cl. 260—501)

1. An alkylol-substituted aliphatic guanidinium N-alkylol aliphatic carbamate, said carbamate being prepared by reacting an aliphatic amine having at least one hydrogen atom attached to the amine nitrogen atom with sufficient carbon dioxide to form a salt therewith, reacting the amine salt so obtained with cyanamide to convert a portion of the amine salt to the corresponding aliphatic guanidine salt, and condensing the resulting product with an alkylene oxide of 2–4 carbon atoms.

2,574,511

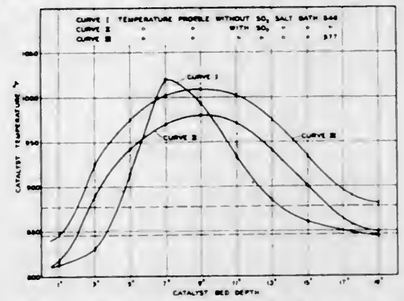
OXIDATION OF ORGANIC COMPOUNDS

William G. Toland, Jr., Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application March 18, 1950, Serial No. 150,538
7 Claims. (Cl. 260—342)

7. In a process for the oxidation of naphthalene to phthalic anhydride by passing the vaporized naphthalene and a stoichiometric excess of a free-oxygen-containing gas through a bed of vanadium oxide catalyst at an elevated temperature in the range about 800° F. to 1200° F., the method of smoothing the temperature profile of the catalyst bed which comprises passing sulfur dioxide

through the catalyst bed together with the naphthalene and oxygen-containing gas, the amount



of sulfur dioxide being from about 0.01 to 15% by weight of the hydrocarbon.

2,574,512

PRODUCTION OF DICARBOXYLIC ACIDS OR ANHYDRIDES THEREOF

William G. Toland, Jr., Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 18, 1950, Serial No. 150,540
11 Claims. (Cl. 260—342)

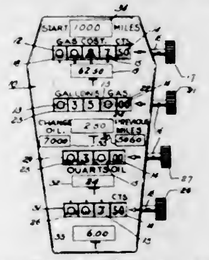
1. In a process for the production of benzene dicarboxylic acid anhydride comprising oxidizing a mixture of aliphatic-substituted benzenes containing a major proportion of aliphatic benzenes having two aliphatic groups positioned ortho to each other on the benzene ring and a minor but substantial proportion having meta and para aliphatic substituents by contacting said aliphatic benzenes and a stoichiometrically excessive amount of an oxygen-containing gas with a vanadium oxide catalyst at a temperature above about 800° F., the improved method which comprises mixing a substantial amount of a low boiling sulfur compound selected from the group consisting of sulfur dioxide, sulfur trioxide, carbon disulfide, hydrogen sulfide, lower mercaptans, low boiling alkyl sulfides and disulfides, and thiophenes with the vaporized aliphatic-substituted benzenes and oxygen-containing gas prior to their contact with the catalyst, the amount of the sulfur compound calculated as equivalent sulfur dioxide being from about 0.01% to about 15% by weight based on the aliphatic-substituted benzene feed.

2,574,513

TRIP REGISTER

Albert B. Troupa, Princeton, Ill.

Application January 24, 1949, Serial No. 72,527
3 Claims. (Cl. 235—110)



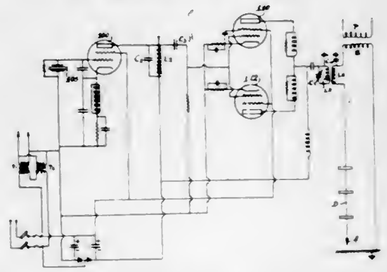
1. A register for keeping an account of the quantities and costs of gasoline and oil purchases for motor vehicle travel comprising in combination a box-like container having therein two pairs of accumulating registers, one of each pair being designed for accumulating amounts purchased and the other the costs of the purchases, each register comprising an operating shaft carrying a series of interconnected digit wheels and a positioning device for preventing bodily rotation of the register in said container, the shafts of said registers being located in parallel spaced relationship in said container, spaced apart pairs of notches in the sides of said container to journal said shafts, each shaft being connected to its units order digit wheel and projecting at one end beyond the outside of the container and having a manually operated knob thereon for introducing quantities and costs of purchases into the respective registers thereby to be totalized, a wall of said container having ribs therein for each register adapted to engage the positioning device to hold it against bodily rotation, said container having a removable cover resting on the sides to hold said shafts in place and having windows therein opposite the respective registers for viewing the digits in the register representing the total in the register, said cover having areas thereon located below each register and being prepared to receive erasable entries in pencil or the like representing initial totals in the register above the area and in such position as to permit easy subtraction of said initial entry from the sum in the register to determine the respective quantities and costs of purchases since the said initial total.

2,574,514

HIGH-FREQUENCY UNIT FOR INERT GAS ARC WELDING

Charles L. Voliff, Montreal, Quebec, and Julius Hammerslag, Outremont, Quebec, Canada, assignors to L'Air Liquide Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France, a body corporate

Application April 25, 1949, Serial No. 89,458
4 Claims. (Cl. 315—166)



1. An arc welding apparatus comprising, an electrode holder, means for furnishing normal welding current to the electrode holder and electronic means for furnishing continuous high frequency current to the electrode holder, said electronic means including a generator having a vacuum tube oscillator stabilized by a crystal and amplified by at least one amplification circuit fed to the welding circuit through a transformer, said electronic means being calibrated to produce high frequency current in a band of frequency permissible for industrial apparatus, and means for tuning the entire electronic circuit including the vacuum tube oscillator, the welding circuit, and said means for furnishing welding current thereby to obtain at least for striking the arc a maximum power output at the

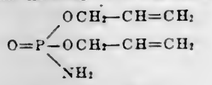
end of the welding circuit adjacent to the electrode holder and a minimum of radiation at the welding circuit.

2,574,515
ORGANIC COMPOUNDS CONTAINING PHOSPHORUS AND BROMINE
George E. Walter, Baltimore, and Irwin Hornstein, East Riverdale, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
No Drawing. Application November 26, 1948, Serial No. 62,233
8 Claims. (Cl. 260—461)

3. Tetrabromo-diallyl phosphonamide.

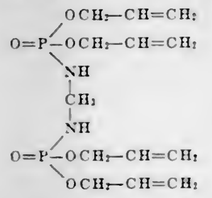
2,574,516
UNSATURATED ALIPHATIC PHOSPHONAMIDES
George E. Walter, Baltimore, Irwin Hornstein, East Riverdale, and George M. Steinberg, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
No Drawing. Application November 26, 1948, Serial No. 62,234
6 Claims. (Cl. 260—461)

2. As a new composition of matter, diallyl phosphonamide having the formula



2,574,517
UNSATURATED ALIPHATIC PHOSPHONAMIDES
George E. Walter, Baltimore, Irwin Hornstein, East Riverdale, and George M. Steinberg, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
No Drawing. Original application November 26, 1948, Serial No. 62,234. Divided and this application April 27, 1951, Serial No. 223,838
3 Claims. (Cl. 260—461)

1. As a new composition of matter, N-N′ methylene bis diallyl amido phosphate having the formula



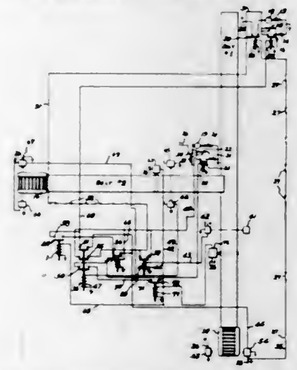
2,574,518
ORGANIC COMPOUNDS CONTAINING PHOSPHORUS AND BROMINE
George E. Walter, Baltimore, and Irwin Hornstein, East Riverdale, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
No Drawing. Original application November 26, 1948, Serial No. 62,233. Divided and this application April 27, 1951, Serial No. 223,839
3 Claims. (Cl. 260—461)

1. A brominated N-N′-methylene-bis-diallyl amido phosphate, having at least two bromine atoms per molecule.

2,574,519
CYCLOHEXIMIDE AND PROCESS FOR ITS PRODUCTION
Alma J. Whiffen and Robert L. Emerson, Kalamazoo, Mich., and Nestor Bohonos, La Fayette, Ind., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application October 19, 1946, Serial No. 704,530
2 Claims. (Cl. 260—294.7)

1. A process for the production of the antibiotic substance cycloheximide which comprises the aerobic cultivation of a substantially pure sporulating culture of a cycloheximide-producing strain of *Streptomyces griseus* on a carbohydrate-containing medium, extraction of the fermented culture medium with chloroform, adsorption of the cycloheximide from the solvent extract with an adsorbent of the group consisting of adsorbent carbons and clays and elution of the adsorbed cycloheximide from the adsorbent with a solvent of the group consisting of water, methanol, butanol, ethyl acetate and mixtures thereof.

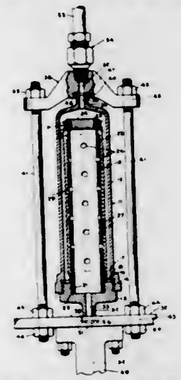
2,574,520
ELECTRICAL CONTROL SYSTEM
Claude O. Wood, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 4, 1947, Serial No. 772,134
9 Claims. (Cl. 198—78)



6. In an electric control system for a plurality of conveyors for fragmented material, a main line conveyor having a drive motor normally adapted to drive said main line conveyor at slow speed, a lateral conveyor having a drive motor normally adapted to drive said lateral conveyor at slow speed, a field control relay associated with each of said motors, and a photoelectric relay associated with each of said conveyors including a light sensitive cell and a light beam adapted to fall upon said cell, said photoelectric relay being controlled by movement of haulage vehicles into discharge position with respect to both of said conveyors to cut off said light beam to control the field of said motors to increase the speed thereof while said haulage vehicles are in such discharge position.

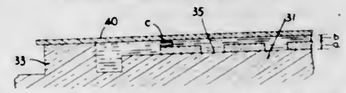
2,574,521
CANDLE FILTER
Dana L. Bailey, Rock Hill, S. C., and Robert C. Bard, Dumont, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
Application August 7, 1948, Serial No. 43,044
2 Claims. (Cl. 210—164)

1. In a spinning apparatus having filtering means between the spinning pump and the spinning jet, an apertured plate operatively connected to the spinning pump outlet, an apertured yoke operatively connected to the spinning jet, a candle filter supported by said plate and said yoke, said candle filter including a base having an internally threaded flange, a filter tube carried by said base in threaded engagement therewith, a cylindrical casing concentric with said filter tube and supported on said base, a neck integral



with said base and having a passageway opening into the interior of said filter tube, a neck integral with said casing and having a passageway opening into the interior of said casing, and tie rods operatively connecting said plate and said yoke to hold said candle filter in operative position, the construction and arrangement being such that the neck on said base and the neck on said casing are slidably engaged by said plate and said yoke, respectively, and the candle filter may be readily removed from the holding means.

2,574,522
MICROSCOPE SLIDE FOR PHASE MICROSCOPES
Alva H. Bennett, Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 28, 1946, Serial No. 643,851
4 Claims. (Cl. 88—40)



1. A microscope slide for supporting fluid-suspended particles of relatively low contrast for counting purposes or the like at the object plane of a phase microscope, said slide being a plate-like element having a transparent region intermediate the ends thereof which is provided with an upper surface arranged to support said fluid-suspended particles thereon, said upper surface being formed by a plurality of first divisional portions and a plurality of second divisional portions interposed therebetween, said first divisional portions being in elevated relation and said second divisional portions being in recessed relation to each other so as to jointly form a pattern at said surface for facilitating said counting, the difference in thickness between said elevated portions and said recessed portions being controlled in accordance with the equation

$$a=c\frac{n_3-n_1}{n_2-n_1}\pm\left(\frac{\lambda}{n_2-n_1},\ \frac{2\lambda}{n_2-n_1},\ \text{etc.}\right)$$

wherein a is said difference in thickness, c is approximately the average thickness of the particles to be counted, n_1 is the index of refraction of the suspension fluid, n_2 is the index of refraction of the material of the slide providing said difference in thickness, n_3 is the index of refraction of the material of which the particles to be counted are formed, and λ is the average wavelength of the light being employed to illuminate said slide; whereby optical paths through said first and second divisional portions differing from each other by controlled amounts, in accordance with the thickness and optical properties of the particles to be counted and their suspension fluid, are provided in such a manner as to enable one of said plurality of portions to be viewed in a relatively bright contrast and the other of said plurality of portions to be viewed in a relatively dark contrast at the time said particles are being viewed in either dark or bright contrast in a phase microscope.

2,574,523
FILING APPLIANCE
George H. Bockius and Clarence E. Erickson, Canton, Ohio, assignors to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio
Application October 15, 1945, Serial No. 622,297
8 Claims. (Cl. 45—2)

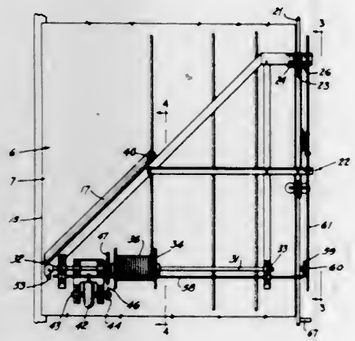


1. In a filing appliance, a generally rectangular table member having at one side an overhanging cantilever-type longitudinally extending portion unobstructed from below and above and terminating in a side edge, spaced partition members extending upward from said table member forming a series of side by side open-top tray-ways on the table member, said tray-ways extending laterally of said longitudinally extending table portion and having open front ends at said side edge, a series of open-top card trays removably mounted one each between two adjacent partition members for movement in said tray-ways longitudinally of said trays to project a front portion of any tray through said open front tray-way end beyond said side edge, and means adapted to edge-mount a plurality of cards and index means therefor in each tray, whereby the index means and tops of said cards are on one level visible and accessible in an unobstructed manner to an operator seated adjacent said side edge with the operator's legs located below said overhanging unobstructed table portion.

2,574,524
BIN FEEDING MECHANISM
Adolph L. Boltzen, Brentwood, Calif.
Application November 19, 1949, Serial No. 128,303
7 Claims. (Cl. 198—188)

4. In combination, a conveyor belt movable continuously over a path to transport articles

thereon, a plurality of bins along one edge of the belt to receive articles moved over an edge of the belt, and a plurality of carriages movable over the belt to sweep articles from the belt into one of said bins, each carriage including a drum thereon, a flexible cable wound on the drum and extended along the belt to an end thereof, a



wheel on the carriage engaged with the belt for rotating the drum to move the carriage from one end to the other end of a path of travel, and means for rendering the wheel ineffective to move the carriage at the other end of said path and for returning the carriage to said one end.

2,574,525

REGENERATION OF SPENT ALKALI

Donald C. Bond, Northbrook, and Nelson B. Russell, Winnetka, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application March 4, 1944, Serial No. 525,095
4 Claims. (Cl. 23—184)

1. The process of regenerating an aqueous alkali solution containing weakly acidic sulfur compounds and a small amount of anthragallol as an oxidation promoter for catalyzing the oxidation of said weakly acidic sulfur compounds, which solution has been used to extract said weakly acidic sulfur compounds from hydrocarbon fluids comprising contacting said solution with a gas containing free oxygen to oxidize said sulfur compounds but leaving a sufficient amount of said sulfur compounds unoxidized in said solution to insure that the promoter is reduced to a non-oxidizing state and not degraded to an inactive state and removing the oxidized sulfur compounds from the solution.

2,574,526

ANTIFUNGUS WRAPPER AND METHOD OF PRODUCING SAME

George C. Borden, Jr., Easton, Pa., assignor to Riegel Paper Corporation, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 16, 1949, Serial No. 110,660
8 Claims. (Cl. 117—86)

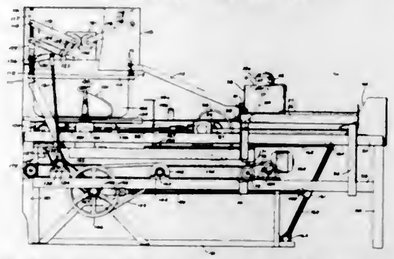
1. An anti-fungus wrapping of paper having an inner coating layer thereon of a dialkyl dichloro succinate and a grease-resistant wax-immiscible filmogen and an outer coating of wax enclosing and covering said inner coating layer.

2,574,527

BOX BLANK FOLDING MACHINE

Wilber E. Bowersock, Rochester, N. Y.

Application February 1, 1947, Serial No. 725,958
25 Claims. (Cl. 93—49)



14. A box blank folding machine comprising a main frame provided with hopper means having a beam mounted transversely on said frame for adjustment longitudinally thereof, gate means adjustable in height on said beam to retain a stack of blanks in said hopper means except the lowermost blank of said stack, side walls for said hopper means adjustable lengthwise of said beam, a plurality of blank folding stations on said frame, a blank pusher having a reciprocating movement on said frame between said hopper means and folding stations, means on said pusher for engaging and moving the blanks during movement of said pusher in one direction, movably mounted means at said folding stations for folding side portions of a blank upwardly, inwardly and downwardly against the body portion of the blank while said blank is stationarily positioned at said stations, and mechanism for reciprocating said pusher and moving said folding means in timed coordination with one another.

2,574,528

ELECTRICALLY NEUTRAL ORGANIC LIQUID COMPOSITIONS

George E. F. Brewer, Detroit, Mich., assignor to Gage Products Company, Ferndale, Mich., a corporation of Michigan

Application March 6, 1947, Serial No. 732,804
5 Claims. (Cl. 252—1)

1. An electrically-neutral liquid solution comprising approximately ten parts by volume of a nonpolar organic liquid which when substantially pure has the property of generating static electricity at an interface with a solid with which it is in mobile contact, and from one and one-half to ten parts by volume of hexylene glycol of the formula $(CH_3)_2 \cdot COH \cdot CH_2 \cdot CH(OH) \cdot CH_3$.

5. In a system wherein a non-polar organic liquid selected from the class consisting of naphtha, toluene, benzene, mineral spirits, and carbon tetrachloride is in a container and is in mobile contact with a solid surface and wherein static electricity is produced by such contact when the non-polar liquid is substantially pure, the improvement in the system which comprises essentially a hexylene glycol dissolved in said nonpolar liquid in the proportion of one and one-half to ten parts of said glycol to each ten parts of said non-polar liquid.

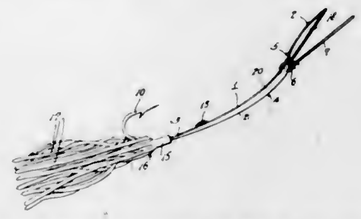
2,574,529

ARTIFICIAL BAIT

Russell Carter, Jr., Hyattsville, Md.

Application April 19, 1949, Serial No. 88,433
1 Claim. (Cl. 43—42.52)

A fishing lure comprising a thin metallic approximately diamond shaped body curved longitudinally in a continuous arc, the front and rear portions of said continuous arc of the body pointing upwardly, the forward end of said body having a substantially V-shaped cross sectional configuration with upwardly turned side walls, the rearward portion of the body being arcuately formed along its longitudinal axis into a generally U-shaped cross-sectional configuration



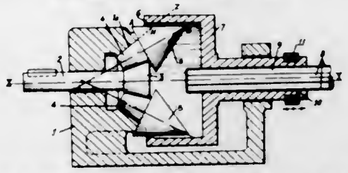
with downwardly turned side walls, the rear portion of said body having means for rigidly mounting a hook thereon and means connected to the underside of the lure spaced from the forward end thereof for attaching a fishing line thereto, whereby said body is caused to rock about its longitudinal axis and rise upwardly as the lure is reeled through the water.

2,574,530

VARIABLE-SPEED TRANSMISSION

Arnaldo Castagna, Turin, Italy

Application December 16, 1949, Serial No. 133,265
In Italy December 17, 1948
2 Claims. (Cl. 74—796)



1. In a variable speed transmission, a stationary frame, a first shaft and a second shaft rotatably disposed in said frame in co-axial relationship, one of said shafts being a drving shaft and the other of said shafts being a driven shaft, a slidable member slidably keyed on said first shaft, a cup-shaped extension on said second shaft, and a set of conical elements each comprising two coaxial conical portions of different conicity, one of said portions of each element being simultaneously in contact with said stationary frame and said shaft extension, the other of said portions of each element being in frictional contact with said slidable member along a surface parallel to the axis of the shafts, the conical portion in contact with the stationary frame and the shaft extension being provided with teeth in meshing engagement with toothed portions on said frame and said extension, and means for axially displacing said slidable member.

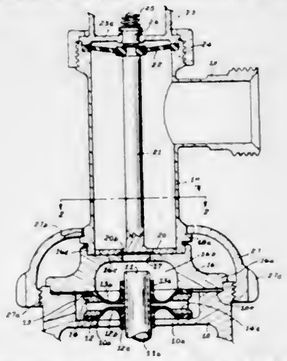
2,574,531

DISCHARGE ASSEMBLY FOR CENTRIFUGAL SEPARATORS

James Edward Cook, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application September 2, 1948, Serial No. 47,358
2 Claims. (Cl. 233—21)

1. In a closed centrifuge having a frame, a centrifugal bowl neck rotatable in the frame and affording outlet at its upper end for a centrifugally separated component, a stationary hollow member communicating with said outlet through a valved orifice and having a discharge passage for said component, and a flexible seal surrounding the neck and secured to the frame to provide air-tight communication between said outlet and orifice, the improvement which comprises a block seated on the seal to hold the same in position around the neck, the block having in its lower face a recess forming a receiving chamber for the component passing through said outlet, a valve seat between said chamber and hollow member and forming said orifice, a valve in said



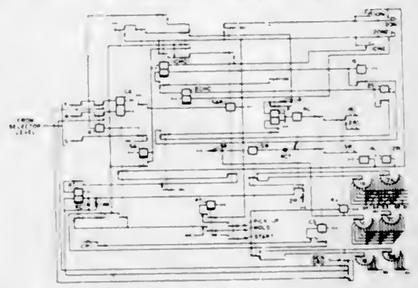
hollow member coacting with the seat to impose a yielding resistance to flow through the orifice between said outlet and said discharge passage, and a fastening element surrounding but spaced from the block and removably secured at one end to the frame and engaged at its other end with the hollow member to hold said member, block and seal in assembled relation on the frame, said hollow member having an interrupted shoulder, and the fastening element having an interrupted edge portion overlying said shoulder, the hollow member and fastening element being rotatable relatively to permit withdrawal of the shoulder through the interruptions in said edge portion.

2,574,532

REVERTING CALL CIRCUIT

James D. Confeld, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York

Application January 15, 1948, Serial No. 2,403
9 Claims. (Cl. 179—17)



1. In a telephone system a plurality of stations; an exchange; a party line connecting said plurality of stations with said exchange; and reverting call signaling apparatus for selectively signaling said stations, said apparatus including a pair of signal selecting stepping switches each

having an operating magnet, means responsive to two series of impulses sent by a calling one of said stations over said party line for respectively setting one of said switches to record the identity of the called one of said stations and the other switch to record the identity of said calling station; said means comprising an impulse receiving relay, an auxiliary relay controlled by said impulse receiving relay to actuate said magnets, a change over relay controlled by said auxiliary relay and effective upon termination of the first impulse series to transfer the impulse circuit to the magnet of the second switch and two inter-locking devices respectively controlled by said two magnets and connected to said auxiliary relay to prevent the auxiliary relay from again changing its condition before the associated switch has completed a step.

2,574,533

DIALYZING MEMBRANE AND PROCESS OF DIALYSIS

Ralph T. K. Cornwell, Rosemont, Edward J. Dunn, Drexel Hill, and Alfred W. Hunter, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 24, 1949, Serial No. 95,148

3 Claims. (Cl. 210—8.5)

1. The method of separating materials of differing molecular size and constitution from a mixture thereof containing discoloring bodies comprising the step of dialyzing the mixture with a semi-permeable membrane comprising a pellicle of regenerated cellulose containing between about ½ and 35% by weight of finely divided activated carbon.

2,574,534

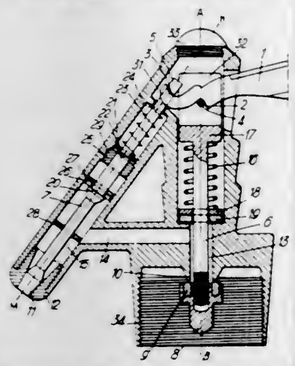
VALVED DISPENSING HEAD WITH AUXILIARY NOZZLE VALVE

José Mateu Curto, Barcelona, Spain

Application November 3, 1948, Serial No. 58,126

In Spain November 3, 1947

8 Claims. (Cl. 222—545)



1. A dispensing head for siphon-bottles comprising a body for engagement over a siphon-bottle opening, a hollow discharge spout formed integral with said body, a passageway formed in said body opening downwardly at one end for receiving the pressurized liquid in the bottle and communicating at the other end with said discharge spout, a valve seat formed at said one end of said passageway, a second valve seat formed at the outlet end of said discharge spout, a first valve member in said body seating upwardly against said first valve seat, a second valve member in said spout seating downwardly against said second valve seat, spring means urging each of said valve members to seated position under different seating forces, and a rockable lever operatively connected to each of said valve members to exert equal opening forces thereon when rocked, so that the valve member urged to seated position by the lesser of said seating forces is initially opened.

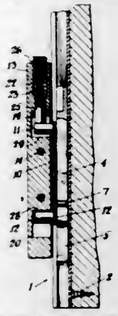
2,574,535

ADJUSTABLE LOCKING DEVICE

Erastus C. Deal, Rye, N. Y., assignor to Deal Slide-Lock Devices, Inc., New York, N. Y., a corporation of New York

Application January 11, 1949, Serial No. 70,167

9 Claims. (Cl. 16—193)



1. In a device of the class described, the combination of a guideway having oppositely spaced walls, a plurality of holding members in and movable along said guideway having opposed overlapping inclined wedging surfaces for urging portions of the members into frictional engagement with said oppositely spaced guideway walls, a projection connected with and extending generally laterally outwardly from each of said holding members, a unitary housing member having a plurality of spaced closed end sockets into which said projections extend, the distance between adjacent walls of said spaced sockets being less than the distance between adjacent surfaces of said projections and each of said closed end sockets having an opposite wall spaced from an opposite surface of the projection which extends into said socket, and yieldable means carried by said housing member and operatively interposed between a portion of said housing member and one of said holding members for opposing movement of the housing member relative to the holding members in one direction along the guideway, one of the adjacent walls of one of said sockets being adapted to engage one of said projections upon yielding of said yieldable means to release the frictional engagement between the holding members and guideway walls.

2,574,536

PROCESS FOR BREAKING PETROLEUM EMULSIONS USING CERTAIN HYDRO-AROMATIC ANALOGUES OF CERTAIN HYDROPHILE HYDROXYLATED SYNTHETIC PRODUCTS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1948, Serial No. 64,443

20 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including a nuclear hydrogenated hydrophile oxyalkylated 2,4,6 C_4-to C_{12}-hydrocarbon substituted monocyclic phenol—C_1- to C_8-aldehyde resin in which the ratio of oxyalkylene groups to phenolic nuclei is at least 2:1 and the alkylene radicals of the oxyalkylene groups are selected from the class consisting of ethylene, propylene, butylene, hydroxypropylene and hydroxybutylene radicals, and with the proviso that the hydrophile properties of said oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

2,574,537

CATION-ACTIVE POLYCHLORIDE CONTAINING AN IMIDAZOLINE RING AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

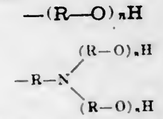
No Drawing. Original application March 11, 1948, Serial No. 14,395. Divided and this application February 18, 1949, Serial No. 77,291

10 Claims. (Cl. 260—309.6)

1. A cation-active polychloride which is the reaction product of diglycol chloroformate and an oxyalkylated imidazoline substituted in the 2-position by a radical containing 11 to 22 carbon atoms selected from the group consisting of alicyclic hydrocarbon radicals, aliphatic hydrocarbon radicals, and aliphatic hydrocarbon radicals substituted by hydroxyl radicals; said oxyalkylated imidazolines containing a member of the class consisting of

$$-(R-O)_nH$$

and



radicals linked to the imidazoline structure through the nitrogen atom in the 1-position, wherein R denotes an alkylene radical having at least 2 and not more than 4 carbon atoms and n is a numeral from 1 to 10.

2,574,538

PROCESSES FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

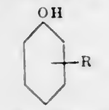
No Drawing. Application June 15, 1949, Serial No. 99,361

14 Claims. (Cl. 252—342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier consisting of a mixture of two components in which the first component is an acidic partial ester containing: (*a*) at least one polyhydric alcohol radical; (*b*) at least one diglycollic acid radical; and (*c*) a plurality of acyloxy radicals, each having 8 to 32 carbon atoms derived from a detergent-forming monocarboxy acid having 8 to 32 carbon atoms, with the proviso that at least one of said acyloxy radicals is derived from an hydroxylated detergent-forming monocarboxy acid having 8 to 32 carbon atoms, each of said polyhydric alcohol radicals being ester-linked with a plurality of groups, each of which groups contains at least one of said acyloxy radicals, the number of said groups ester-linked to each polyhydric alcohol radical being at least equal in number in each instance to the valency of the polyhydric alcohol radical, so that each polyhydric alcohol radical is free from any uncombined hydroxyl radical directly attached thereto and being additional to the number of such groups ester-linked to any other polyhydric alcohol radical contained in the ester, and at least one of said groups containing a free diglycollic acid radical; and the second component is the oxyalkylation product of

(A) An alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, glycide and methylglycide, and

(B) An oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and reactive toward said phenol; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 18 carbon atoms and substituted in the 2,4,6 position; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent radicals having the formula R_1O, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals; with the proviso that from about one-half to less than 2 moles of alkylene oxide be introduced for each phenolic nucleus; the first component being 20% to 40% by weight of the mixture and the second component being 80% to 60% by weight of the mixture.

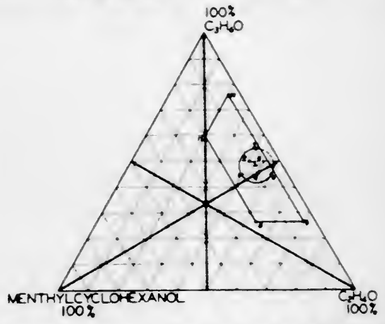
2,574,539

CERTAIN PARA-MENTHYLCYCLOHEXANOL ETHERS OF CERTAIN GLYCOLS

Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application November 1, 1949, Serial No. 124,812

6 Claims. (Cl. 260—611)



1. A cogeneric mixture of a homologous series of glycol ethers of para-menthylcyclohexanol; said cogeneric mixture being derived exclusively

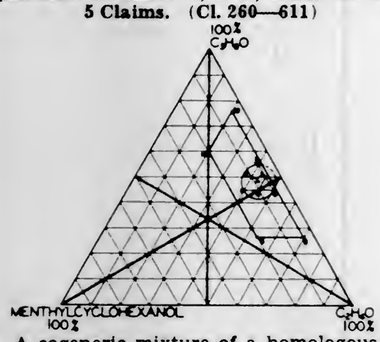
from para-menthylcyclohexanol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the trapezoidal area defined approximately in the accompanying drawing by points **8**, **9**, **10** and **11**.

2,574,540

CERTAIN PARA-MENTHYLCYCLOHEXANOL ETHERS OF CERTAIN GLYCOLS

Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application November 1, 1949, Serial No. 124,814
5 Claims. (Cl. 260—611)



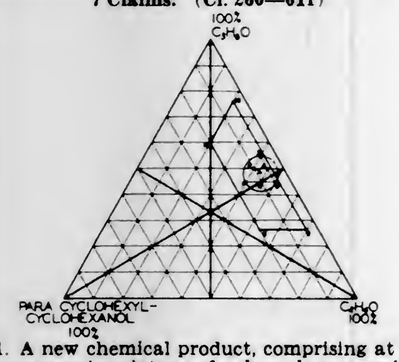
1. A cogeneric mixture of a homologous series of glycol ethers of para-menthylcyclohexanol; said cogeneric mixture being derived exclusively from para-menthylcyclohexanol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the segment of the circle in the accompanying drawing in which the minimum para-menthylcyclohexanol content is at least 4% and which circle is identified by the fact that points **1**, **3** and **6** lie on its circumference, and with the proviso that the para-menthylcyclohexanol be reacted first with all the propylene oxide and then with the ethylene oxide.

2,574,541

CERTAIN PARA-CYCLOHEXYLCYCLOHEXANOL ETHERS OF CERTAIN GLYCOLS

Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application November 1, 1949, Serial No. 124,816
7 Claims. (Cl. 260—611)



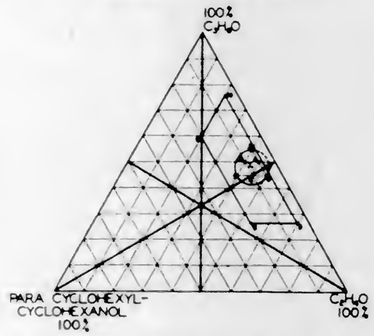
1. A new chemical product, comprising at least one cogeneric mixture of a homologous series of glycol ethers of para-cyclohexylcyclohexanol; said cogeneric mixture being derived exclusively from para-cyclohexylcyclohexanol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the trapezoidal area of the graph in the accompanying drawing defined approximately by points **8**, **9**, **10** and **11**.

2,574,542

CERTAIN PARA-CYCLOHEXYLCYCLOHEXANOL ETHERS OF CERTAIN GLYCOLS

Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application November 1, 1949, Serial No. 124,818
5 Claims. (Cl. 260—611)



1. A cogeneric mixture of a homologous series of glycol ethers of para-cyclohexylcyclohexanol; said cogeneric mixture being derived exclusively from para-cyclohexylcyclohexanol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the segment of the circle of the graph in the accompanying drawing in which the minimum para-cyclohexylcyclohexanol content is at least 4% and which circle is identified by the fact that points **1**, **3** and **6** lie on its circumference, and with the proviso that the para-cyclohexylcyclohexanol be reacted first with all the propylene oxide and then with the ethylene oxide.

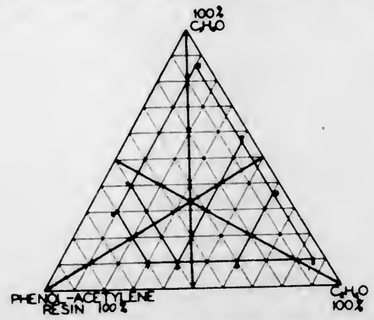
2,574,543

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application November 28, 1949, Serial No. 129,709
8 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (*a*) Both ethylene oxide and propylene oxide; and (*b*) An oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenolic resin; said resin being derived at least in part by reaction with an acetylene hydrocarbon so as to introduce an alternate acetylenic radical as the linking structure between phenolic nuclei; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent C_2H_4O and C_3H_6O radicals, with the proviso that the composition of said hydrophile synthetic products, based on a statistical average and assuming completeness of reaction, and calculated back to the three oxyalkylation step reactants, i. e., resin, ethylene oxide and propylene oxide, on a percentage weight basis



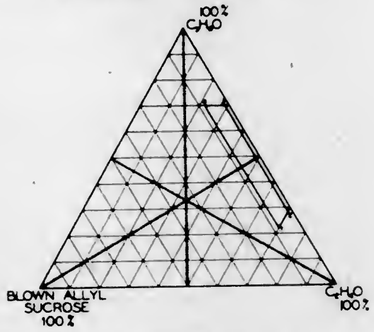
must fall approximately within the area defined by the trapezoid **1**, **2**, **3** and **4** on the accompanying drawing; and with the final proviso that the hydrophile properties of said oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

2,574,544

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application July 11, 1950, Serial No. 173,047
15 Claims. (Cl. 252—331)



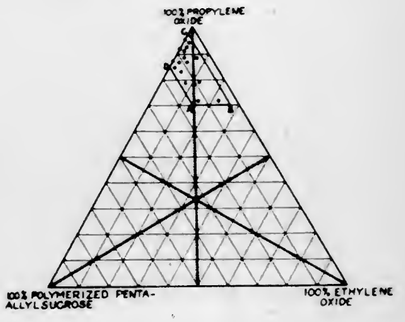
1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, methylglycide, methyl glycidyl ether, ethyl glycidyl ether and propyl glycidyl ether; and (B) an organic solvent-soluble, oxyalkylation-susceptible polymerization product of a member of the class consisting of allylsucrose, and allylsucrose in combination with other co-polymerizable allyl compounds; in said combination the weight percentage of allylsucrose being not less than 10% and not over 90%; and with the proviso that the hydrophile properties of said oxyalkylated derivative in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

2,574,545

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application July 11, 1950, Serial No. 173,049
10 Claims. (Cl. 252—331)



1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being xylene-soluble; furthermore, said hydrophile synthetic products being oxyalkylation derivatives obtained by reacting (*a*) polymerized pentaallylsucrose with (*b*) an alkylene oxide selected from the class consisting of propylene oxide alone and propylene oxide in combination with ethylene oxide, with the proviso that polymerized allylsucrose does not contribute more than 15% of the final weight of the oxyalkylation derivative based on the assumption of completeness of reaction and on an average statistical basis; and with the final proviso that the ultimate composition comes within approximately the trapezoidal area of points A, B, C, D, in the accompanying Figure 2 of the hereto attached drawing.

2,574,546

POLYMERIZATION PRODUCTS OF CERTAIN RESINS CONTAINING BOTH HYDROXYL AND ALLYL RADICALS, AND METHOD OF MAKING SAME

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1950, Serial No. 177,552
20 Claims. (Cl. 260—52)

1. The process of (*a*) subjecting an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive towards said phenol; said resin being formed in the substantial absence of phe-

nols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 18 carbon atoms and substituted in one of the positions ortho and para to oxyalkylation with (*a*) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula R_1O, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals; with the proviso that from about one-half to less than two moles of alkylene oxide be introduced for each phenolic nucleus; (*b*) converting said oxyalkylated resin into the corresponding alicyclic compound by hydrogenation in presence of a hydrogenating catalyst; (*c*) reacting said hydroaromatic compound with allyl glycidyl ether, with the proviso that at least 2 moles of allyl glycidyl ether be reacted for each alicyclic molecule and not in excess of three times the number of hydroxyl radicals present in said molecule; and (*d*) polymerizing said allyl radical-containing derivative to yield an organic solvent-soluble product.

2,574,547

OXYALKYLATED POLYMERIZATION PRODUCTS OF CERTAIN RESINS CONTAINING BOTH HYDROXYL AND ALLYL RADICALS, AND METHOD OF MAKING SAME

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1950, Serial No. 177,553
22 Claims. (Cl. 260—52)

1. The process of (*a*) subjecting an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



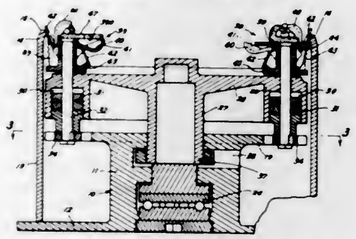
in which R is a hydrocarbon radical having at least 4 and not more than 18 carbon atoms and substituted in one of the positions ortho and para to oxyalkylation with an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula R_1O, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals; with the proviso that from about one-half to less than two moles of alkylene oxide be introduced for each phenolic nucleus; (*b*) converting said oxyalkylated resin into the corresponding alicyclic compound by hydrogenation in presence of a hydrogenating catalyst; (*c*) reacting said hydroaromatic compound with allyl glycidyl ether, with the proviso that at least 2 moles of allyl glycidyl ether be reacted for each alicyclic molecule and not in excess of three times the number of hydroxyl radicals present in said molecule; (*d*) polymerizing said allyl radical-containing derivative to yield an organic solvent-soluble product; and (*e*) subjecting said aforementioned polymer to oxyethylation with (*f*) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; said oxyalkylated resin being characterized by the introduction into the resin molecule at hydroxyl groups, of a plurality of divalent radicals having the formula (R_1O), in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxylpropylene radicals, and hydroxybutylene radicals.

2,574,548

ROLL MACHINE

Alexander T. Deutsch, Cincinnati, Ohio

Application July 27, 1945, Serial No. 607,317
11 Claims. (Cl. 107—9)



9. In a device of the class described a slowly rotatable spider, a series of folders comprising vertical shafts journalled at uniform intervals about the periphery of the spider, means for imparting an indexing movement to the respective folders as they travel with the spider, and means for imparting folding movement to peripheral portions of the respective folders as such portions are moved in the indexing movement to predetermined relation with the periphery of said rotating spider.

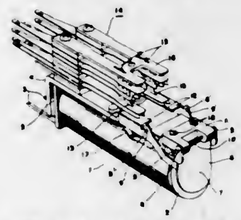
2,574,549

ELECTRICAL RELAY

Louis W. Droel, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York

Application July 22, 1948, Serial No. 40,112
6 Claims. (Cl. 200—104)

6. A relay including a frame, an electromagnet mounted on said frame and having a pole piece, a contact spring assembly carried by said frame and extending generally parallel to said electromagnet, an armature generally in the form of an L-shaped pivoted lever having two arms, one disposed opposite said pole piece to be attracted thereby and the other disposed adjacent said spring assembly to actuate the same, pivot means at a plurality of locations along said armature intermediate said two arms, corresponding means for supporting said pivot means at a plurality of locations along said frame and means for operatively connecting said pivot means and said



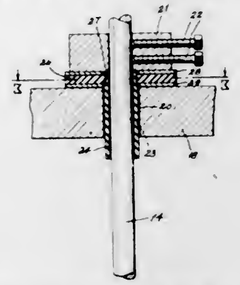
supporting means at one of said locations so that a desired one of a plurality of ratios of lever arm lengths may be made effective for said armature.

2,574,550

POLISHED ROD INSULATION

William H. Edwards, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application November 10, 1949, Serial No. 126,498
5 Claims. (Cl. 103—205)



1. In a well pumping apparatus in which a well pump is actuated by a string of polished rods suspended in the well from a vertically reciprocating driving mechanism at the surface, said mechanism including a cross member and means for suspending the cross member from said mechanism, the polished rod extending vertically through an aperture in said cross member and having a clamp affixed to the rod above the cross member, the improvement which comprises means for electrically insulating said polished rod from said cross member comprising a sleeve embracing the polished rod and disposed within the said aperture of the cross member, and a projecting collar extended radially outwardly from the upper extremity of the sleeve and separating the upper surface of said cross member from said polished rod, said sleeve and collar being formed of electrically insulating material.

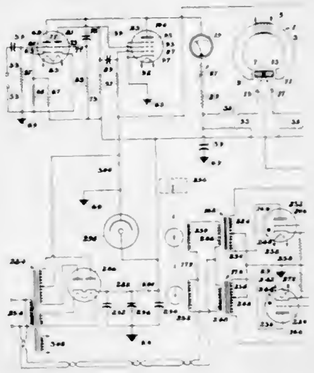
2,574,551

ELECTRONIC TACHOMETER

Lynn E. Ellison and Ronald R. Proctor, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application June 6, 1945, Serial No. 597,824
1 Claim. (Cl. 175—183)

An electronic tachometer for measuring the speed of ignition type internal combustion engines comprising a dual triode tube, a pentode tube, an ammeter, a potentiometer, a condenser and a resistor, means for impressing pulsating voltage from the primary of the engine ignition system through said condenser and across said resistor, on one grid of said dual triode tube, means for maintaining both cathodes in said tube at fixed voltages with reference to ground potential, means for connecting the anode associated with said grid to a source of high voltage direct current, means for impressing voltage from said anode through a second condenser on a separate grid in said dual triode tube, a biasing resistor connecting said last-mentioned grid to the source of said high voltage direct current, means for connecting the anode associated with



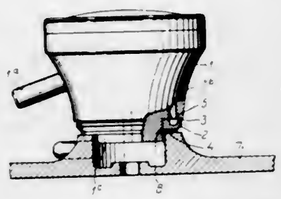
said separate grid to the control grid of a pentode tube through a third condenser and across a third resistor, a separate biasing resistor connecting the last-mentioned grid to the source of high voltage direct current, a screen grid and shield grid in said pentode tube said shield grid and the cathode in said pentode tube being connected together and to ground, means including a fifth resistor for connecting said screen grid to said source of high voltage direct current, an anode in said pentode tube, said ammeter and potentiometer being connected in the anode circuit.

2,574,552

AIR IMPURITY REMOVER

Sven Johan Erling, Nockeby, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden

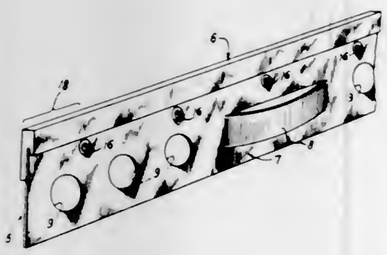
Application May 4, 1949, Serial No. 91,376
In Sweden May 4, 1948
9 Claims. (Cl. 183—80)



1. In combination, a pulsator housing having an air intake channel, a member disposed at the lower part of the housing and at least partly defining a long, narrow slot for admitting air to the channel, said member also at least partly defining a trough extending along the slot and located beyond the slot reckoned in the direction

of air flow, the trough being located at the lower end of the channel in communication with both the channel and said slot and providing a deposit space for impurities in the air flowing from the slot along the trough to the channel, and an element releasably securing said member to the housing.

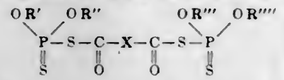
2,574,553
TERRAZZO STRIP
Harry L. Fink, New Rochelle, N. Y., assignor to Manhattan Terrazzo Brass Strip Co., Inc., New York, N. Y., a corporation of New York
Application April 24, 1948, Serial No. 23,010
1 Claim. (Cl. 94—17)



A terrazzo strip, comprising a top bar of substantially uniform cross section throughout its length, said bar being formed of a strip of generally rectangular cross section having a side rabbet extending upwardly from the bottom edge thereof and an integral depending lip extending downwardly from the top surface of the rabbet in spaced overlapping relation to the vertical face of the rabbet, the face of the lip confronting the vertical face of the rabbet being upwardly converging towards said face, and a bottom section formed of a somewhat thinner strip than the top bar, the upper portion of said bottom section being received within the rabbet in the top bar with one side of the bottom section positioned against the vertical face of the rabbet and the top edge portion nested between said vertical face and said depending lip and abutting the top surface of the rabbet, the bottom section being secured against the vertical face of the rabbet at spaced intervals by fastening means located below the lower edge of the lip.

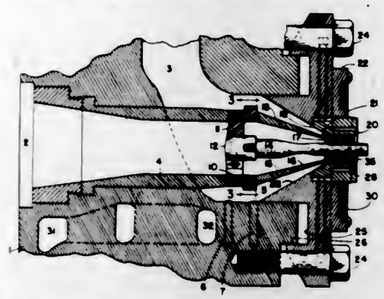
2,574,554
BIS CARBONYL DITHIOPHOSPHATE COMPOUNDS
Arthur H. Fischer, New York, N. Y., assignor to Minerec Corporation, New York, N. Y.
No Drawing. Original application June 26, 1946, Serial No. 679,566. Divided and this application May 9, 1947, Serial No. 747,143
3 Claims. (Cl. 260—455)

2. A compound having the structural formula:



in which R′, R″, R‴ and R⁗ are ethyl radicals and X is a residue from an ethylene glycol having a formula from the group —O—C_2H_4—O— and —O—C_2H_4—O—C_2H_4—O—.

2,574,555
APPARATUS FOR MAKING MULTIPLE PLY EXTRUDED HOSE
Frederick M. Galloway, Langhorne, Pa., assignor to Quaker Rubber Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 2, 1949, Serial No. 130,689
2 Claims. (Cl. 18—14)

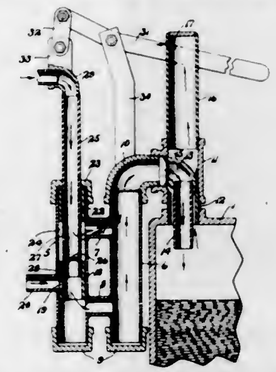


1. Apparatus of the class described comprising a housing providing a substantially cylindrical chamber, a bore coaxial with the chamber, an inlet passage directed radially into and a substantially diametrically opposed bleeder port leading from the chamber, a sleeve disposed in the bore and projecting therefrom into the chamber, a die carried by said sleeve providing converging coaxial inner and outer frusto-conical surfaces, a substantially cylindrical spindle extending axially within the die and projecting beyond its smaller end, means extending radially inwardly from the sleeve supporting the spindle and providing passages for the flow of plastic material from the interior of the sleeve through the die, a bushing having a frusto-conical inner surface surrounding and spaced from the smaller end of the die and a substantially cylindrical surface surrounding the projecting portion of the spindle, a plate having an aperture receiving the bushing and a frusto-conical surface substantially continuous with the frusto-conical surface of the bushing and extending therefrom into the chamber in diverging spaced relation to the outer surface of the die, means including a plurality of circumferentially spaced radially directed positioning elements engaging the bushing and adapted for radial movement toward and away from the axis of the plate to thereby adjustably support the bushing in predetermined relation to the die, locking means for clamping the bushing in said relation and means supporting the plate for axial movement relatively to the housing including a plurality of spaced tension elements extending through the plate and into the housing, said plate having an annular groove adapted for reception of an annular projection on the housing coaxial with said chamber and providing cylindrical surfaces respectively substantially coincident with the inner and outer surfaces of said groove, the inner annular surface of said projection being substantially continuous with said chamber.

2,574,556
HYDRAULIC VALVE
Orlo M. Good, Caledonia, Mich.
Application March 10, 1947, Serial No. 733,550
3 Claims. (Cl. 137—78)

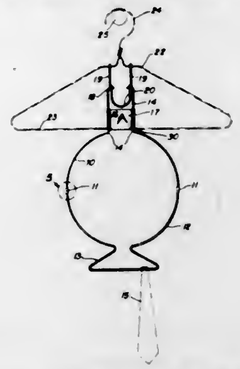
1. In a structure as described, an elongated chamber closed at one end, having two spaced exhaust ports in a wall of said chamber between the ends thereof, spaced guiding sleeves fixed within said chamber, one located between said

exhaust ports and the other at the open end of the chamber and located outwardly of the nearest adjacent exhaust port, the first mentioned of said sleeves having a port at a side thereof, said port adapted to have a liquid conduit connected therewith, a tubular valve slidably mounted within, extending through and having liquid sealing relation to said sleeves, having a lateral port through a side thereof adapted in one position to be brought into conjunction with the port through said sleeve and in another posi-



tion to be located between adjacent ends of the sleeves, reaching said latter position before the inner end of said tubular valve is moved to uncover the port in the sleeve, a transverse closure between the port therein and the inner end of the valve, said valve adapted to have a flexible supply conduit connected to the outer end thereof, and means for manually moving the valve in the direction of its length, the inner end of the valve when the valve is moved to an outer position being located outwardly of the port in said sleeve.

2,574,557
HAT AND TIE HANGER
John P. Goodhand, Pasadena, Md.
Application May 7, 1948, Serial No. 25,599
1 Claim. (Cl. 211—30)



A hat holder comprising a substantially circular frame, a pair of hinges dividing said frame along a medial diameter thereof, a fish-tail extension at the bottom of said frame comprising oppositely diverging portions extending from each lower side of the frame and a horizontal portion connecting said diverging portions, and a pair of parallel arms extending from the top of said frame, said arms having turned-in portions to provide hinges, a U-shaped bail having intermediate loops hinged about said hinges to swing thereabout, the free arms of said bail terminating in hooks for securing said holder in place, said bail being swingable to alternately secure said holder by means of the U portions of said bail.

2,574,558
ORNAMENTAL HAIR COVERING
Frances D. Graber, Canton, and Jane Isabelle Graber, Massillon, Ohio
Application February 4, 1949, Serial No. 74,548
2 Claims. (Cl. 2—207)



1. An ornamental hair covering including an elongated strip of fabric having a front and a rear edge and opposite ends, a false hair portion attached to said front edge, an elastic band attached to said opposite ends for encircling the head to hold said false hair portion in place above the forehead, and fastening means on the rear edge of said fabric strip for detachable connection with a wrap-around scarf.

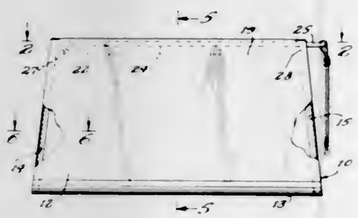
2,574,559
COMBINATION CRIB-PLAYPEN
Paul R. Graf, St. Louis, and Thomas W. Tlapek, Richmond Heights, Mo., assignors to Port-A-Crib, Inc., a corporation of Missouri
Application January 24, 1949, Serial No. 72,407
2 Claims. (Cl. 5—93)



1. A combination crib-playpen unit comprising, in combination, a main body including four corner post members and side and end structures disposed between and connected to said members, and a leg member adjustably associated with each corner post member and disposed thereagainst, each leg member being connected to its respective corner post member by an elongated slot and bolt connection including an elongated slot in one of said members and a pair of vertically aligned bolts spaced apart a distance less than the length of such

slot mounted on the other member and extending through the slot, a nut being removably mounted on each bolt, said slots being of a length to permit a crib level position of said body and a playpen level position thereof, said legs being in substantially co-extensive overlaying relation to said corner posts when said body is in playpen position, said body also being adjustable to positions between crib and playpen levels.

2,574,560
CONTAINER AND SLIDING CLOSURE THEREFOR
Isaac Green and Adolph Pitar, Brooklyn, N. Y.
Application November 25, 1950, Serial No. 197,606
3 Claims. (Cl. 150—5)



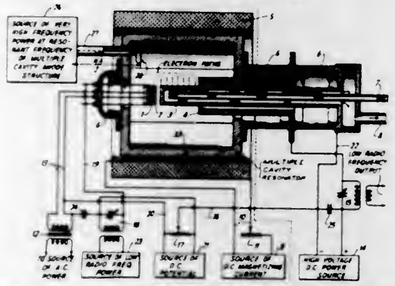
1. In a container, oppositely disposed side walls connected together along three edges thereof and unsecured along the upper edges to provide a mouth opening, said walls having inturned upper edge portions secured to the body thereof in spaced relation from the upper edges of said walls to provide tunnels extending longitudinally of said walls and opening through one side of the container, a closure consisting of a length of spring material bent to provide a spring loop and oppositely disposed confronting legs, said legs being of a length to engage in said tunnels from end to end thereof for resiliently maintaining the upper edge portions of said side walls in closed abutting relation, and said legs being slidable into protruding relation from said tunnels to permit of the spreading of said side walls apart for opening the container.

2,574,561
WRITING INSTRUMENT
Herbert N. Hagel, Forest Hills, N. Y., assignor to Everlast Pen Corporation, New York, N. Y., a corporation of New York
Application May 11, 1950, Serial No. 161,359
1 Claim. (Cl. 40—28)

A writing instrument comprising, a barrel containing a writing element, a transparent tubular barrel removably connected to said writing element barrel, an opaque gravity sliding sleeve guided by the inside wall of said transparent tubular barrel, a fixed transparent tubular guide member surrounding the inside wall of said opaque gravity sliding sleeve, and a cylindrical connecting rod guided by the inside wall of said transparent tubular guide member within said transparent tubular guide member having an object for display at each end thereof with each object being alternately displayed by the movement of said opaque gravity sliding sleeve.



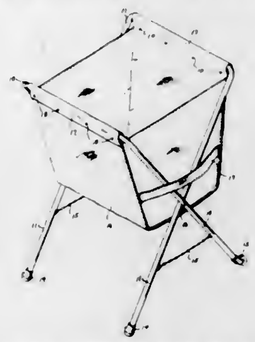
2,574,562
ELECTRON DISCHARGE DEVICE AND CIRCUIT
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1946, Serial No. 650,713
17 Claims. (Cl. 250—36)



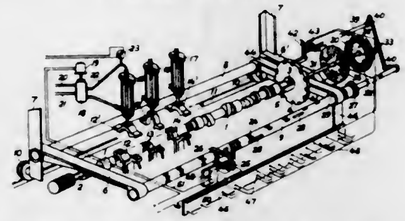
1. An electron discharge device comprising a thermionic cathode, a control electrode in the path of the electrons emitted by said thermionic cathode, a secondary emissive cold cathode spaced from said thermionic cathode and having an effective electron emission surface appreciably greater than the electron emission surface of said thermionic cathode, a resonant structure surrounding said cathodes, means coupled to said resonant structure for setting up a very high frequency electromagnetic field in said resonant structure, an output anode adjacent said cold cathode for collecting electrons emanating from said cold cathode, means coupled between said control electrode and thermionic cathode for supplying alternating current energy thereto, and an output tuned circuit coupled to said output anode.

2,574,563
PORTABLE CLOTHESBASKET
Herbert Hieb, Des Moines, Iowa, assignor of one-half to Elwin L. Wolf, Des Moines, Iowa
Application August 2, 1948, Serial No. 41,932
2 Claims. (Cl. 150—49)

1. A portable clothes basket of the type wherein two inverted U-shaped frame members are pivoted together at an intermediate point in their respective legs and may be collapsed or opened to support a flexible bag member having two opposite top ends secured to the center portions of said U-shaped frame members respectively; said portable clothes basket characterized by having said opposite upper ends of its flexible bag secured to the center portions of said U-shaped frame, and a band secured at each end to one end of said flexible bag and with said bag loosely and slidably embracing the leg portions of said U-shaped frame members adjacent the same end of said flexible bag to which said band is secured whereby the frame members may be placed in open or collapsed condition without affecting the capacity of the lower portion of the bag, and whereby the flexible bag is retained by the band in substantially a centrally located position between the opposite pairs of legs of the frame members when the frame is collapsed and the unit is carried by grasping the frame members overlapped by the said band.

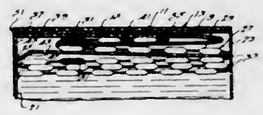


2,574,564
APPARATUS FOR PARTIAL SURFACE HARDENING OF CRANKSHAFTS, CAMSHAFTS, OR LIKE WORKPIECES
Lennart Högel, Thor Thelemarck, and Carl Lindberg, Vasteras, Sweden, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application November 12, 1948, Serial No. 59,622
In Sweden November 14, 1947
7 Claims. (Cl. 266—4)



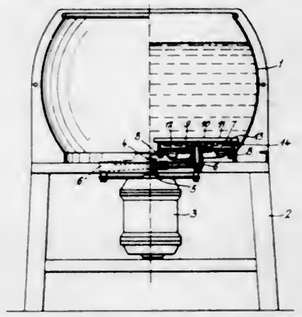
1. Apparatus for the surface hardening or other heat treatment of a plurality of parts of at least two different shapes on a longitudinally extending work piece by successive local heatings by electric high-frequency current, comprising a plurality of substantially stationary two-part inductors each with a different inner configuration conforming to the shape of a different part of the work piece to be treated, a work piece support, means for mounting the workpiece for rotation about its longitudinal axis in said support, means for mounting the said support for movement with the workpiece in a direction longitudinally of said workpiece and with respect to said inductors to successively bring different parts of the workpiece into alignment with the different inductors, a pattern member carried by said support and serving to bring about said alignment, and relatively stationary means coacting with said pattern member to supply heating current when a predetermined part of the work piece is aligned with a predetermined inductor.

2,574,565
CONTAINER AND DISPENSER FOR STRIP MATERIAL
Cass S. Hough, Robert O. Wesley, Ciro R. Scalingi, and Lee B. Gacke, Plymouth, Mich., assignors to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application March 5, 1949, Serial No. 79,836
3 Claims. (Cl. 206—56)



1. A container and dispenser including top, bottom, side and end walls, one of said end walls having an opening therein adjacent said top wall, an element normally disposed in said container behind said opening, said element including a substantially horizontal portion extending adjacent to said top wall and reversely folded intermediate its ends so as to provide a second horizontal portion which extends there-below, a vertical portion extending downwardly from the outer end of said first horizontal portion and adapted to fit into and normally substantially close said end wall opening and having its lower end folded inwardly so as to form a third horizontal portion extending into said container below said first two horizontal portions, whereby said vertical portion may be grasped and pulled outwardly so as to slidably withdraw said element from said container.

2,574,566
CLOTHES-WASHING MACHINE
Havtor Hovden, Orstavik, Norway
Application November 1, 1948, Serial No. 57,728
In Norway November 3, 1947
2 Claims. (Cl. 68—190)



1. In a washing machine, a washing liquid container having a bottom wall formed with at

least one opening therethrough, an elastic diaphragm sealing said opening, means connected to said diaphragm operative to effect the vertical oscillation of the latter for displacing the liquid in said container, and a deflector housing in said container disposed above said diaphragm and including a top wall spaced upwardly from said bottom wall of the container and terminating at least at one side short of the adjacent side wall of said container, said top wall being formed of a plurality of parallel elongated plate members spaced apart and inclined substantially from the vertical to define inclined passages therebetween through which liquid may be pumped by said diaphragm in the form of streams having substantial horizontal components for effecting circulation of the washing liquid and articles being washed in said container, said deflector housing opening at the side thereof facing toward said adjacent side wall of said container to permit a by-pass flow of liquid into said housing.

2,574,567

EXPANDING CHAIN FOR WRISTBANDS

Richard Jaccarino and Alfred Pinson, Fairfield County, Conn., assignors to Apex Accessories, Co., Inc., Greenwich, Conn.

Application January 7, 1950, Serial No. 137,376
7 Claims. (Cl. 59—79)



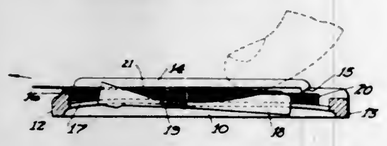
1. An expanding chain for wrist bands comprising a pair of superimposed rows of alining blocks, the blocks of one alining row being staggered with relation to the blocks of the other alining row, and a spring actuated toggle joint within each block of the upper row coupled to the proximate ends of the blocks in the lower row to draw the blocks together, the proximate superimposed surfaces of the blocks of the upper and lower rows having co-axial curves, one convex and one concave respectively, with the elements of curvatures of the two curved surfaces running transversely of the blocks said blocks at the superimposed surfaces having slots for said toggle joints arranged to permit an extension of the chain without visible gaps between adjacent blocks when viewed from the upper surface of the extended chain.

2,574,568

DISPENSING PACKAGE FOR RAZOR BLADES

Robert A. Jolie, Marlboro, Mass., assignor to F. J. Kirk Molding Co., Inc., Clinton, Mass., a corporation of Massachusetts

Application August 21, 1948, Serial No. 45,523
2 Claims. (Cl. 206—16)



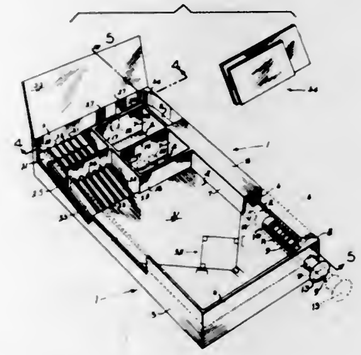
1. A dispensing package for razor blades comprising, a substantially rectangular shaped frame having a pair of opposed longitudinally extending side members and a pair of opposed transversely extending end members, a flange extending inwardly from an upper portion of each of said side members thereby to form a channel, a stack of razor blades positioned within said channel, with the under surfaces of said flanges defining a plane which is spaced above a first one of said end members a distance substantially greater than the thickness of at least two blades so as to define between said first end member and said flanges an opening for receiving said stack of blades, a tooth depending downwardly from that end portion of each of said flanges adjacent to said first end member for engaging the end portions of said blades once they have been positioned within the confines of said container thereby to prevent any rectrograde movement of said blades, an abutment member extending upwardly from a second one of said end members so as to be spaced below the plane defined by the under surfaces of said flanges a distance not exceeding the thickness of a single blade thereby to define between said abutment member and said flanges a blade egress opening, and an inherently resilient portion formed integrally with said frame and normally biased toward said plane thereby to urge said stack of blades toward and against the under surfaces of said flanges.

2,574,569

MARBLE GAME BOARD

James E. Jones, Oklahoma City, Okla.

Application September 9, 1948, Serial No. 48,354
3 Claims. (Cl. 273—119)



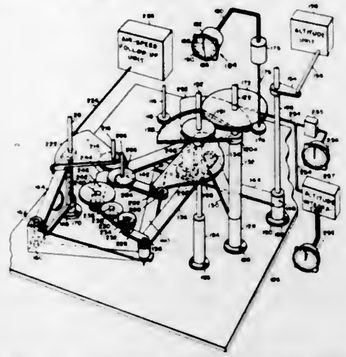
1. In a game apparatus, the combination with a chute for guiding the rolling travel of a ball, and with a shooter in one end of the chute, of a hazard course upon which the ball is projected from the discharge end of said chute, said hazard course including: a downwardly sloping channel extending laterally from said discharge end and through which the ball must pass; deflecting members on the walls of said channel for retarding but not stopping the forward movement of the ball; a floor surface upon which the ball is discharged from said channel, said surface sloping downwardly from said channel at right angles thereto; spaced vertically projecting ribs on said floor surface at right angles to the path of the ball for retarding the ball in its travel, and over which the ball may roll; a plurality of downwardly sloping ball receiving slots aligned with the spaces between said ribs, and any one of which may receive and retain the ball for scoring purposes.

2,574,570

FLIGHT COMPUTER FOR GROUNDED AVIATION TRAINERS

Charles J. Kidder, Binghamton, N. Y., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York

Application October 8, 1947, Serial No. 778,712
3 Claims. (Cl. 35—12)



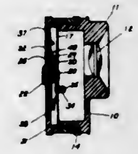
1. A flight computer of the type described comprising a first fixed pivot, a first arm mounted upon said pivot for movement thereabout, means for moving said arm about said first pivot in response to changes in the factor of assumed pitching attitude, a first linkage having one end connected to the outer end of said first arm, a second fixed pivot, a second arm mounted upon said second fixed pivot for movement thereabout, means for moving said second arm about said second fixed pivot in response to changes in the factor of assumed air speed, a second linkage having one end connected to the outer end of said second arm, and a master pivot connecting the second end of each of two linkages, a third fixed pivot, a third arm mounted upon said third fixed pivot for movement thereabout, and a third linkage interconnecting the outer end of said third arm and said master pivot, said third linkage comprising an ellipsographic mechanism, whereby said third arm is positioned about said third fixed pivot in response to changes in the factors of assumed air speed and assumed pitching attitude in accordance with the factor of assumed vertical speed.

2,574,571

PHOTOMETER

Gordon F. Laing, Delavan, Wis.

Application March 31, 1948, Serial No. 18,271
10 Claims. (Cl. 88—23)



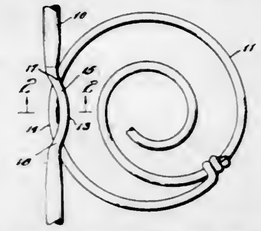
1. In a photometer, a generally cup shaped casing having a rotatable cap at the open end, an opaque diaphragm in front of said cap, a viewing device including a lens mounted in the closed end of the casing and adapted to bring points on said diaphragm in focus in the eye of an observer, a body of radioactive material in said casing between said cap and said diaphragm, means comprising fluorescent material supported on said diaphragm and responsive to space bombardment from said body for producing a light spot of constant intensity visible through said viewing device, an opening in said diaphragm, means comprising a light valve in said end cap independent of said opening and adjustable by rotation of said cap to transmit outside light through the entire area of said opening to form a second light spot thereat visible through said viewing device, and a filter interposed in the path of the light passing through said opening to make said light spots of the same color.

2,574,572

CONSTRUCTION FOR CONNECTING WIRE MEMBERS TOGETHER AND METHOD OF PRODUCING AND ASSEMBLING THE SAME

Richard R. Leven, New York, N. Y., assignor to The Englander Company, Inc., Chicago, Ill., a corporation of Delaware

Application May 10, 1947, Serial No. 747,188
6 Claims. (Cl. 287—77)



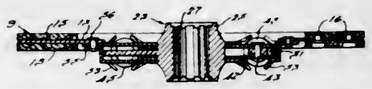
2. In a construction for connecting together two wire members of relatively different sizes, one of said wire members having oppositely disposed longitudinally extending side portions disposed in spaced apart relation and offset to one side of the longitudinal axis of said member to thereby form a longitudinally extending slot between said side portions, the other of said wire members being of relatively smaller size than said first mentioned wire member and having a portion thereof located in protruding relation in said slot and in engagement with the oppositely disposed side portions of the first named wire member at longitudinally spaced locations and said oppositely disposed side portions of the first named wire member being compressed to constrict said slot medially between said spaced locations for securing the smaller wire member in said slot.

2,574,573

VIBRATION DAMPENER

Edward W. Libby, Belleville, Mich., assignor to Kaiser-Frazer Corporation, Willow Run, Mich., a corporation of Nevada

Application December 9, 1949, Serial No. 132,143
6 Claims. (Cl. 64—27)



1. A vibration dampener for friction clutches, including a friction plate member having a plurality of elongated circumferentially spaced openings therein, a member mounted on said friction plate member for rotation relative thereto and having openings therein corresponding to and normally aligned with said friction plate openings, means including a plate element rotat-

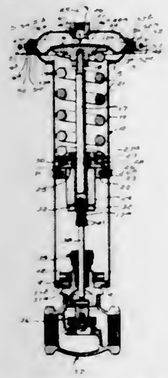
ably mounted on said rotatable member and having radially outwardly extending circumferentially spaced spokes extending over said aligned openings intermediate the ends thereof, resilient elements disposed between the opposite side edges of each of said spokes and the adjacent edges of said openings, so that at least a pair of said resilient elements are disposed in each of said aligned openings, and means retaining said resilient elements against accidental displacement from said openings, said means comprising a plurality of guard elements in adjacent non-gripping relation with said resilient elements, whereby when one of said members is rotated the other member will be driven through said springs and one of said members may rotate relative to the other of said members for a distance equal to the distance of compression of both of said resilient elements in each of said aligned openings.

2,574,574

FLUID MOTOR CONSTRUCTION FOR VALVES OR THE LIKE

Clifford B. Ives, Tenafly, N. J., assignor to Kieley and Mueller, Inc., North Bergen, N. J., a corporation of New York

Application April 25, 1945, Serial No. 590,190
15 Claims. (Cl. 137—157)



1. A diaphragm motor construction comprising a flexible diaphragm adapted to form one wall of fluid pressure chamber, means complemental to the diaphragm adapted to form therewith said chamber, said complemental means having a peripheral portion overlying an outer portion of the diaphragm and the diaphragm having an overturned portion of non-metallic relatively yieldable material adapted under pressure to conform itself in sealing relation to an adjacent part and said overturned portion providing a lip overlying said peripheral portion, and means supporting said peripheral portion and said lip and having a part that overlies said lip and against which the force of fluid under pressure in said chamber, by its reaction upon said complemental means, causes said peripheral portion to press the lip into sealing relation therewith.

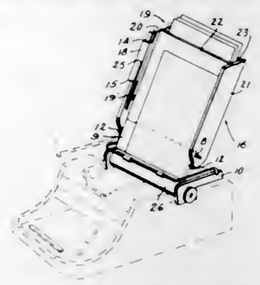
2,574,575

PAPER STORAGE AND PAGE END INDICATING ATTACHMENT FOR TYPEWRITERS

John Stuart MacIntyre, Milwaukee, Wis.

Application July 29, 1947, Serial No. 764,408
7 Claims. (Cl. 197—189)

6. In combination with the movable carriage of a typewriter, a stationary receptacle carried thereby and having a face portion along which a typed sheet advances and a line and page end



gauge and indicator adjustably carried by said receptacle in juxtaposition to the face portion thereof.

2,574,576

PREVENTION OF CORROSION OF STEEL BY BRINE CONTAINING DISSOLVED OXYGEN

Glenn A. Marsh, Crystal Lake, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application October 12, 1949, Serial No. 121,050
7 Claims. (Cl. 252—8.55)

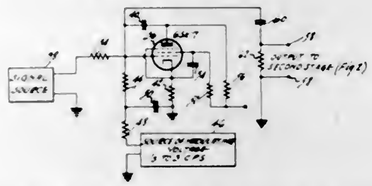
1. The method of protecting ferrous metal surfaces against corrosion by brine containing dissolved oxygen comprising, adding to said brine as an inhibitor water soluble alkali metal dithiocarbamates selected from the group consisting of methyl, ethyl, and propyl substituted dithiocarbamates in amount sufficient to effect a material reduction in the corrosiveness of said brine on the metal surface.

2,574,577

ELECTRONIC SWINGING BELL

Daniel W. Martin, Blackwood, and William R. Ayres, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application November 12, 1948, Serial No. 59,484
8 Claims. (Cl. 84—1.01)



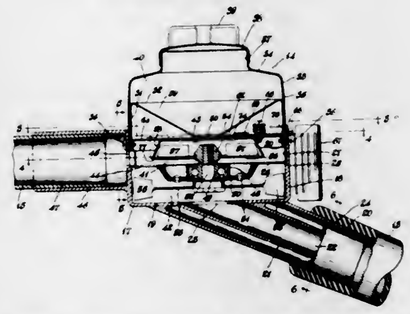
1. In an apparatus for producing a musical tone the combination of means for producing a complex voltage signal having long time decay characteristics, means for applying said voltage signal to a modifying circuit comprising a series resistance-shunt capacitance combination, resistance-shunt capacitance combination, means for periodically varying said shunt capacitance at a low-frequency rate of ⅓ to 3 cycles per second, thereby varying the frequency response of said resistance-capacitance combination, and means for amplitude modulating the thus modified signal voltage with two different low-frequency voltages, one of said two voltages having a frequency of about ⅓ to 3 cycles per second and the other of said two voltages having a frequency of about 4 to 8 cycles per second.

2,574,578

CRYSTAL GRINDER ATTACHMENT FOR SUCTION CLEANERS

Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio

Application May 16, 1949, Serial No. 93,434
6 Claims. (Cl. 43—124)



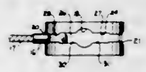
1. In a unitary crystal grinder attachment for a suction cleaner which is adapted for being held in a hand of the user, the attachment including a housing having a tubular inlet member adapted for connection with the outer end of a hose and the inner end of the hose being adapted for connection with the exhaust air blast outlet of the suction cleaner, and the housing having a tubular outlet member adapted for connection with a discharge nozzle, walls in the housing forming a storage compartment, a grinding compartment, and a driving compartment, the tubular inlet member communicating with the driving compartment, and there being an outlet opening communicating between the driving and grinding compartments, air turbine means in the driving compartment rotatable by an air blast entering said tubular inlet member, crystal grinder means in the grinding compartment having a driving connection with the air turbine means, valve means interposed between the storage compartment and the grinding compartment for feeding and regulating the flow of crystals from the storage compartment to the grinding compartment, the tubular outlet member of the housing communicating with the grinding compartment; whereby a blast of air entering the driving compartment through the tubular inlet member rotates the turbine to rotate the grinding means to grind crystals fed to the grinding compartment from said storage compartment, and whereby the ground crystals are entrained in the air blast discharged from the tubular outlet member.

2,574,579

CABLE CONNECTOR

Joe McCoy and Earl O. Weining, Wichita, Kans., assignors to Boeing Airplane Company, Wichita, Kans.

Application July 28, 1947, Serial No. 764,114
4 Claims. (Cl. 24—123)



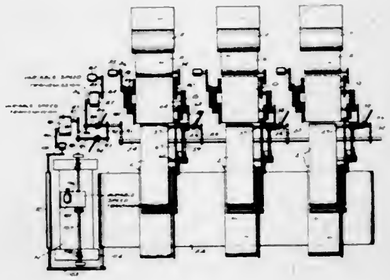
1. A coupling for a pair of cable ends each of which is enclosed in a cylindrical collar of substantially larger diameter than the cable, and has an enlarged stop fixed on the outer end of each collar, said coupling comprising: an elongated rigid one piece hollow shell having holes in its opposite end walls barely of sufficient diameter to longitudinally receive said collars; a larger hole in one side wall of the shell of a size and shape to freely admit said stops; a primary slot of a constant width less than the diameter of said larger hole and only slightly greater than the diameter of said collars communicating with the larger hole and extending in opposite directions therefrom to points respectively intermediate that hole and the two end wall holes; and a pair of narrower constant width secondary slots each communicating with an outer end of the primary slot and with the adjacent end wall hole, and of insufficient width to permit the passage of said collars and sufficiently wide to permit the free passage of the cable proper.

2,574,580

DRIVE CONTROL SYSTEM FOR FELT PRODUCTION

Neil S. McKay, Deerfield, Ill., Arthur L. Clements, De Leon Springs, Fla., and Frederick J. Hicks, Hoboken, N. J., assignors to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware

Application May 4, 1950, Serial No. 159,894
4 Claims. (Cl. 28—1)



1. In a felted material production unit having a garnett, a lapper, a floor apron, and a needle loom having pull out rolls for the finished material, said garnett having feeding elements, the combination of a shaft, drive connections between said shaft and said garnett feeding elements, drive connections between said shaft and said lapper, a second shaft, drive connections between said second shaft and said pull out rolls and said floor apron, a variable speed control power drive, and drive connections between said power drive and said first and second shafts.

2,574,581

ALLOYING MAGNESIUM WITH FERROUS METALS

Guy E. McKinney and Paul J. Motter, Canton, Ohio

No Drawing. Application May 24, 1950, Serial No. 164,038
6 Claims. (Cl. 75—129)

1. The process of alloying magnesium with ferrous metal, which consists in covering pure magnesium with fire clay and heating to melt the magnesium, cooling and separating the resulting magnesium mass and pulverizing the same, mixing the said pulverized mass with a small amount of said fire clay, and then adding said mixture to the ferrous metal in a highly heated condition.

2,574,582

FOOTWEAR WITH SPONGE RUBBER SOLE INDIRECTLY CONNECTED TO THE UPPER

Heins W. Rollman, Waynesville, N. C., assignor to Re-Search, Inc., Waynesville, N. C., a corporation of North Carolina

Application March 22, 1947, Serial No. 736,539
5 Claims. (Cl. 36—14)



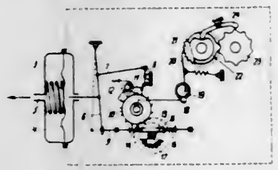
1. An article of footwear comprising an upper connected to a sponge rubber sole only by an intermediary member of fibrous material of which a portion is vulcanized in situ to said sponge rubber sole and of which another portion forms an extending lip fastened by thread material to the lower rim of said upper.

2,574,583

INDICATOR DEVICE FOR CONTROLLING THE PERIOD OF OPERATION OF ENGINES

Friedrich K. H. Nallinger, Stuttgart, Germany

Application July 28, 1950, Serial No. 176,345
In Germany June 29, 1949
7 Claims. (Cl. 161—15)



1. A device for indicating the elapsed time of operation of engines, comprising a counting mechanism, a winding device for the latter, a device for starting and stopping the counting mechanism, an auxiliary force device acting in dependence on the period of operation of the engine, a movable member operated by said auxiliary force device, means connecting the winding device with said movable member, and means by which the device for the starting and stopping of the counting mechanism is connected to said movable member.

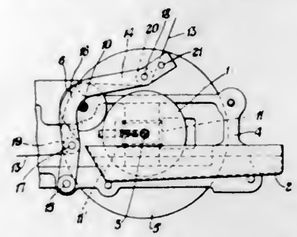
2,574,584

APPARATUS FOR THE SURFACE COATING OF WEB MATERIALS

John Irving Nasmith, London, England, assignor to Vickers-Armstrongs Limited, London, England, a British company

Application May 18, 1948, Serial No. 27,809
In Great Britain May 20, 1947
5 Claims. (Cl. 91—50)

1. Apparatus for the adhesive surface coating of a web such as e. g. paper strip to be fed to workpieces to which the web is to be adhered, comprising a main frame, an idler form of stripping roller supported rotatably by said main frame, a positively driven feed roller supported rotatably by said main frame and driven independently of the stripping roller, a reservoir for the adhesive in which the feed roller is partly immersed, a guide frame for the web pivotally supported at one end and free at its other end, its free end being above its pivoted end so that said guide frame can be lowered to an operative position where the web guided thereby will lay over the periphery of the stripping roller and can be swung upwards about its pivotal support to bring the web away from the stripping roller, two guide rollers for the web material supported across the guide frame between its pivoted and free ends and, in the operative position of said guide frame, having their axes in a plane which is not outside the space between the axes of the stripping and feed rollers so that the web must engage and negotiate a substantial arc of the stripping roller from one guide roller to the other, the guide roller nearer the free end guiding the web before it reaches the stripping roller and the other guide roller guiding the coated web



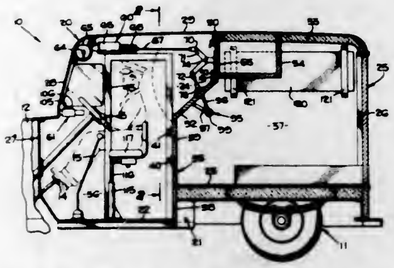
material to the article to be covered by the web material so that the idler stripping roller is driven at a peripheral speed at all times equal to the rate of travel of the web independently of the feed roller solely by the substantial arc of contact of the tensioned web with the stripping roller and the traction of the said article, bearing members for the stripping roller and feed roller carried by the main frame and so related with each other that the stripping roller has its periphery spaced from the periphery of the feed roller by an amount such that with the normal viscosity of the coating material it will be fed to the stripping roller by the surface tension of the coating material on the feed roller.

2,574,585

REFRIGERATED MILK DELIVERY TRUCK

Christian Nielsen, Los Angeles, Calif., assignor to Arden Farms Co., Los Angeles, Calif., a corporation of Delaware

Application September 5, 1950, Serial No. 183,169
4 Claims. (Cl. 296—24)



1. In a milk delivery truck body, the combination of: a housing including a floor, side walls, a back wall, a front wall and a roof; a generally upright transverse partition dividing the interior of said housing into a driver's compartment disposed forwardly therefrom and a refrigeration chamber disposed rearwardly therefrom, said side walls having passageways opening laterally from said compartment through which the driver

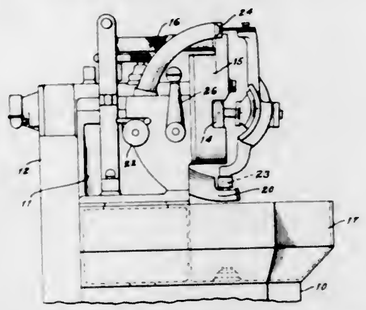
may enter and leave the latter, said partition being divided into a lower transverse section and an upper transverse section the latter being set back rearwardly a substantial distance from said lower partition section and spaced upwardly therefrom to provide a service door opening extending substantially the full width of said chamber; a driver's seat in said compartment mounted forwardly of said lower partition section; a service door hinged at its upper edge to the lower edge of said upper partition section and being inclined forwardly and downwardly, when closed, to close the opening between said partition sections, and being inclined forwardly and upwardly in front of said upper partition section, when open, to give the driver full access to said refrigeration chamber; power actuated means in said compartment for moving said door from one of said inclined positions to the other; and driver-operable control means for said power actuated means located in said compartment, said service door being disposed relative to said driver's seat so that it can swing from closed to open position while the driver is seated without danger of striking the driver.

2,574,586

TOOL-SUPPORTING DEVICE

Edd C. Oliver, Adrian, Mich.; Genevieve R. Oliver, executrix of said Edd C. Oliver, deceased, assignor to Genevieve R. Oliver, Adrian, Mich.

Application October 11, 1946, Serial No. 702,770
1 Claim. (Cl. 51—127)



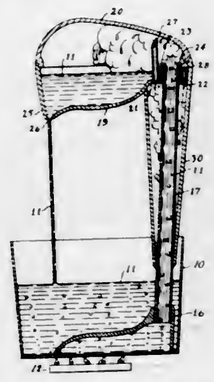
A holder by which a tool may be supported and manipulated in cooperating relation with respect to the rotary abrading wheel of a grinding machine having a holder support in the form of a ball below said wheel and a template guiding surface above said wheel, said holder being in the form of an arm and the lower end thereof having a spherical socket for accommodating said ball to permit limited universal movement of the lower end of said holder upon said ball in planes at right angles with respect to one another, the upper end of said holder being formed to provide a transversely extending seat for a template which is adapted to cooperate with said guiding surface, an intermediate portion of said holder being arcuate and the walls thereof providing concave and convex seats, said intermediate portion being formed with a slot which extends through said seats, a sleeve extending through said slot and having a bore in which said tool is adapted to be removably secured, cooperating elements located at the opposite sides of said holder and engaging said seats, said elements having surfaces which conform to said seats and being apertured to accommodate opposite ends of said sleeve, said elements being adjustable on said seats to vary the angle of inclination of said tool and said sleeve being rotatable in said elements to adjust said tool about its longitudinal axis, and means for locking said elements and sleeve in the positions to which they are adjusted.

2,574,587

HOT WATER CIRCULATOR

Morris Parnes and Abraham Gruber, New York, N. Y., assignors to Elliott M. Feinberg, New York, N. Y.

Application February 4, 1948, Serial No. 6,204
10 Claims. (Cl. 126—383)



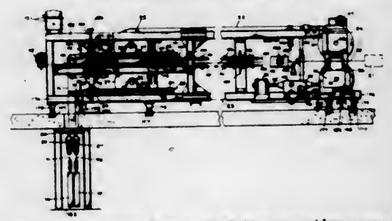
1. A device for circulating a constant flow stream of hot water in an open top water containing vessel comprising an eccentrically upwardly tapering hollow base having a wide open bottom by which it is adapted to rest on the bottom of a vessel and an opening formed at approximately the apex thereof, an open ended riser tube set into the said opening, a hollow body providing a chamber supported at the free end of said riser and communicating with the opening of the riser at said end, said chamber having a single outlet opening at its bottom of a lesser size than said riser opening communicating therewith, whereby an intermittent, spurting stream of hot water entering the said chamber through said riser is accumulated therein to provide a constant flow stream out of said outlet opening.

2,574,588

SHEET POLISHING APPARATUS AND PROCESS

Rene P. Piperoux, Radburn, N. J., and William P. Moeller, Baldwin, and David B. Hertz, New York, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware

Application May 12, 1948, Serial No. 26,636
10 Claims. (Cl. 18—6)



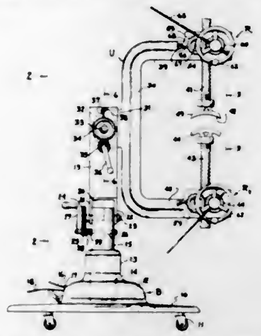
6. In apparatus for polishing continuous thermoplastic sheet materials extruded from an ex-

trusion head provided with a slit-shaped orifice from which a continuous sheet of thermoplastic material is extruded, a pair of superimposed, endless driven belts adapted to receive and grip the extruded thermoplastic sheet material therebetween, means including a rotatably mounted heated driven pulley and a rotatably mounted heated idler pulley around which said belts are passed for heating and simultaneously driving said belts at a uniform linear speed, belt tensioning means cooperating with each of said idler pulleys for maintaining said belts taut, means cooperating with said drive pulleys and idler pulleys for varying the distance between said belts, belt training means including a pair of oppositely-disposed spring-pressed guide rollers each simultaneously in rolling contact with the running edges of both belts where the same are in polishing relationship for restricting any relative lateral movement between said endless, driven belts, a plurality of hydraulically-pressed rollers each in rolling contact with a free edge of said belts, photoelectric means responsive to any relative lateral displacement of said belts operatively connected to each of said hydraulically pressed rollers and adapted to move the same upon relative lateral displacement of the belts to return the latter to a neutral position, and cooling means intermediate of said drive and idler pulleys and adjacent to said belts for controlling the temperature of said belts comprising a plurality of axially rotatable, valved perforated tubes through which cool air in the desired volume and at the desired incident angle may be directed against the heated belt surfaces, the cooperation of parts being such as to cause the thermoplastic sheet material to be carried from the extrusion head as formed, the surfaces thereof to be shaped and polished between the heated belt surfaces and the polished thermoplastic sheet material continuously discharged from between said belts.

9. Process for the production of continuous, highly polished sheets having a basis of a thermoplastic cellulose acetate material, which comprises continuously extruding a thermoplastic cellulose acetate material in sheet form, and feeding the thermoplastic material in a plastic condition between differentially heated, polished moving surfaces, the temperature gradient of said heated polished surfaces being so controlled that the temperature at the point of entry of the thermoplastic cellulose acetate material between the polished surfaces is from about 10 to about 25° C. higher than the Olsen flow test temperature of the thermoplastic cellulose acetate material, the temperature at an intermediate point is from about 10° C. above to about 10° C. below said Olsen flow test temperature, and the temperature at the point of discharge of the thermoplastic cellulose acetate material from between the polished surfaces is at least 50° C. below said Olsen flow test temperature.

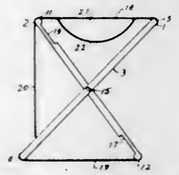
2,574,589
VISE FOR STRAIGHTENING FENDERS
Douglas Howell Ragin, Philadelphia, Pa., assignor of one-half to Forrist W. Woodard, Philadelphia, Pa.
Application November 15, 1948, Serial No. 60,007
2 Claims. (Cl. 153—32)

1. In a vise for straightening fenders, the combination of: a movable base, a piston mounted for vertical reciprocation in said base, hydraulic means for actuating said piston, a plate pivotally mounted on said piston, means for locking said plate in an adjusted position, a U-shaped bracket pivotally mounted on said plate on an axis normal to that of the first pivotal mounting, means for locking said bracket in



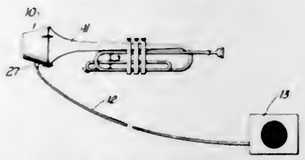
an adjusted position, and complemental jaw elements operatively mounted in said bracket.

2,574,590
PORTABLE HEADREST
Mark Ross, Los Angeles, Calif.
Application August 5, 1949, Serial No. 108,749
1 Claim. (Cl. 5—337)



A foldable headrest unit comprising two perimetrical frames of colored plastic and which have the same configuration but are of different sizes so that the frames may be nested, said frames being pivoted together along their middle portions, each frame having rounded-end-cross-bars, and a sheet of flexible material having its opposed edges secured to the cross-bars at one end of the unit; a pocket formed underneath the sheet of material, an opening through the sheet of material and communicating with the pocket, and another sheet of flexible material depending from one of the cross-bars to one side of the unit and adapted to shield the eyes of the user of the unit.

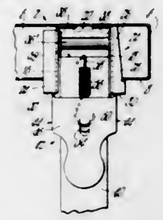
2,574,591
MUTE STRUCTURE FOR MUSICAL INSTRUMENTS
William W. Rudd, Chicago, Ill.
Application October 5, 1948, Serial No. 52,853
14 Claims. (Cl. 84—1.01)



1. Mute structure for an air-column musical instrument of the type having a bell, comprising a mute-member insertable into said bell, a cup member supported on the extending end of said mute-member and facing the open end of said bell in closely spaced relation thereto,

sound pick-up means carried by said mute-member within said cup member, and means for electrically connecting said pick-up means in an amplifier and loud-speaker circuit.

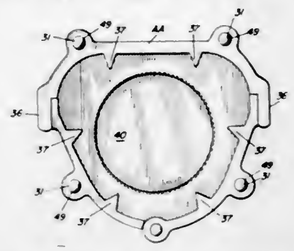
2,574,592
TABLE LEG PIVOT AND LATCH MECHANISM
Edward A. Schaffer, Longmeadow, Mass., assignor to Hampden Specialty Products, Inc., Easthampton, Mass., a corporation of Massachusetts
Application July 18, 1949, Serial No. 105,341
1 Claim. (Cl. 311—99)



Mechanism for pivoting and releasably locking a leg in collapsed and extended positions relative to a table comprising, a bracket having a horizontal upper part, a second bracket secured thereto having a rear wall and spaced side arms adjacent thereto and depending vertically from said horizontal part, said side arms having forward lower edges and one of said side arms having a nose portion extending forwardly from the lower edge thereof which is provided with a forward edge that curves forwardly and upwardly and then inwardly and upwardly, an upper portion of a leg between the side arms of said second bracket and pivot means connecting said leg portion and side arms for swinging of said leg between collapsed and extended positions, a lock member having side portions disposed on opposite sides of said leg portion and pivot means connecting said side portions and leg portion, spring means connecting said lock and leg portion and urging said leg counterclockwise relative to said leg in locking direction, said lock provided with upper forward convex portions for disposition below and behind the forward lower edges of the second bracket for releasably holding the leg in extended position and having an upper concave portion for sliding on the said nose portion as the leg portion is swung to collapsed position and for sliding over said lower edges as the leg is swung to extended position.

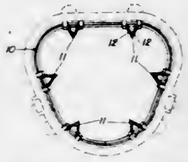
2,574,593
DENTAL FLASK
Leo Scharfe, Baltimore, Md.
Application December 30, 1949, Serial No. 136,129
2 Claims. (Cl. 18—33)

1. A flask or mold for dental purposes comprising two vertically superposed halves, each half consisting of a multipart frame, a plurality of jaws protruding from the longitudinal confines of one of said parts and lugs protruding from the longitudinal confines of each of two other adjoining parts, said lugs being received in said jaws when the cooperating parts of the frame are assembled, pin means carried by the lower of said halves at a plurality of points for securing the halves in vertical alignment, pin means carried by the upper of said halves at a plurality of points, a base plate and a cover plate for said flask or mold, said plates having openings therein to receive the pin means of both of said halves, said frame comprising three distinct parts and including hinges between two



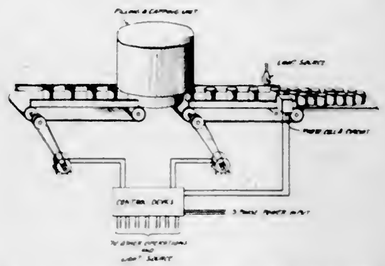
of the parts, whereby when said lugs are removed from said jaws, one of the aforesaid two parts pivots on the other of said two parts.

2,574,594
INSERT FOR DENTAL FLASKS
Leo Scharfe, Baltimore, Md.
Application July 10, 1950, Serial No. 172,948
1 Claim. (Cl. 18—33)



A liner for dental flasks adapted to contain a molding composition, said liner comprising an open-ended, arcuate, one-piece band, normally open at both its free ends, said band being flexibly compressible to fit within the inner walls of the dental flask, until its free ends lie in adjacency, and means on said band protruding inwardly therefrom towards the contents of the flask to form points of severance of the contents upon hardening thereof, said means consisting of pointed pieces having bendable portions adjustable on said band, whereby the pieces are adjustable on the band to selectively vary the points of severance.

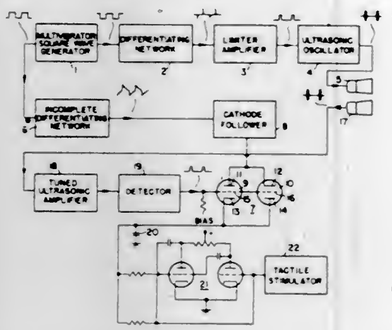
2,574,595
CAN FILLING MACHINE
Everett F. Shaw, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1948, Serial No. 40,142
8 Claims. (Cl. 226—99)



1. A device for controlling the operation of an automatic container filling and sealing machine

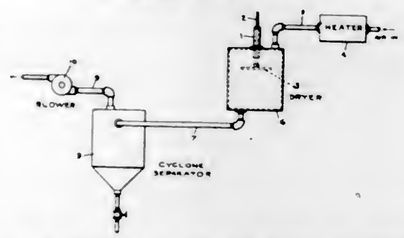
that includes a power-driven container conveyor and a second power-driven container conveyor for conveying filled containers to an unloading station, said device comprising a light source and a photocell positioned adjacent the unloading station and arranged so that the photocell will detect the presence of containers at the unloading station, a time-delayed electrical circuit connected so as to be controlled by said photocell and thus operate upon the continued presence of containers at the unloading station, an electrical control for the second conveyor connected to said time-delayed circuit so as to be controlled thereby to stop said second conveyor upon the continued presence of containers for a predetermined period of time at the unloading station, a second time-delayed circuit controlled by the first time-delayed circuit so as to operate after the first time-delayed circuit has been in operation for a predetermined period of time, and an electrical control for the first conveyor connected to said second time-delayed circuit so as to be controlled thereby to stop said first conveyor upon the further continued presence of containers at the unloading station.

2,574,596
ULTRASONIC DISTANCE-MEASURING SYSTEM
Frank H. Slaymaker, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application April 6, 1948, Serial No. 19,360
6 Claims. (Cl. 177—352)



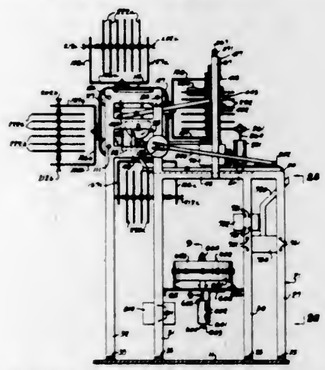
5. In a ranging system, a single source of direct-current control pulses which recur uniformly and cyclically at a constant rate of repetition, means for deriving a first train of control pulses from said source, means for differentiating said control pulses of said first train, means utilizing said differentiated pulses for causing the radiation of ranging pulses of ultrasonic energy, means for receiving echoes of said ranging pulses after reflection from an object in the path of said ranging pulses, means utilizing said source for developing a second train of pulses, incomplete differentiating means for providing a cyclically recurring reference voltage from said second train of control pulses, said reference voltage varying continuously as a function of time corresponding to the period between said ranging pulses, means for sampling the amplitude of said reference voltage at the times of receipt of each of said echoes, and means utilizing the samples of the reference voltage for providing an indication of the distance to said object.

2,574,597
SPRAY-DRIED DYESTUFF POWDERS COMPRISING LIGNIN SULFONATE
Victor S. Salvin, Irvington, and William J. Hart, Dover, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
Application March 3, 1949, Serial No. 79,498
5 Claims. (Cl. 8—79)



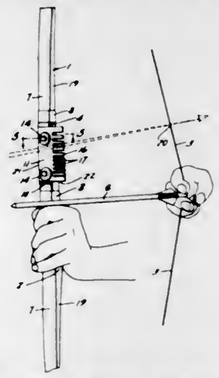
1. In a process for the production of disperse dyestuff powders, the steps which comprise milling a paste consisting of 20 to 50 parts by weight of a dyestuff, 25 to 40 parts by weight of lignin sulfonate and 25 to 40 parts by weight of an inorganic salt selected from the group consisting of neutral and alkaline salts of cations which are incapable of forming insoluble soaps, and water in such amount that the total solids content of said slurry is from 30 to 50% by weight of the mixture, reducing the aqueous milled slurry to finely-divided droplets, and drying the finely-divided droplets to a moisture content of from about 2 to about 5% by weight by bringing the latter into contact with heated air.

2,574,598
CHECK CONTROLLED PHONOGRAPH
George F. Starnes, Hickory, N. C., assignor to Paul B. Eaton, Charlotte, N. C.
Application August 4, 1948, Serial No. 42,431
7 Claims. (Cl. 274—10)



3. In a phonograph record player having an endless movable member thereon and means for moving the movable member and also having a plurality of spaced magazines extending radially from the movable member and being mounted for rotation on an axis extending radially of the movable member, and each of said magazines having a shaft therein and also having a plurality of spaced superposed tablet phonograph records fixedly mounted on said shaft and said record player also having a tone arm and means for moving the tone arm into and out of engagement with predetermined records in a magazine positioned adjacent the same, in sequence, means for arresting movement of the endless movable member with the magazines in a predetermined position with one of the magazines adjacent the tone arm, resilient means for transmitting partial rotation to the magazine on the movable member adjacent the tone arm, movable means disposed in the path of travel of opposed ends of the magazine upon rotation being imparted thereto for arresting rotation thereof to present a predetermined side of the phonograph records for engagement by the tone arm.

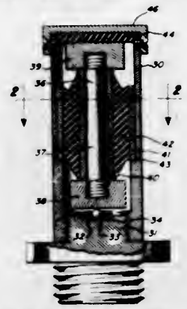
2,574,599
SIGHTING DEVICE FOR BOWS AND ARROWS
Frank C. Stieber, Marathon, Wis.
Application April 28, 1947, Serial No. 744,493
4 Claims. (Cl. 33—46)



1. In a sighting device for archery bows, a sighting plate, means for anchoring said plate to the longitudinal intermediate portion of the bow in a vertical plane with a portion thereof projecting laterally outwardly of one side of the bow, vertically-spaced indicia on said plate indicating from the uppermost to the lowermost thereof progressively greater distances forwardly thereof, the laterally-projecting side edge of said plate being provided with a plurality of open-ended vertically-spaced gauge-acting sighting slots the distance between the side edges of which decrease progressively from the uppermost thereof to the lowermost, each of said slots being adjacent to and associated with one of said indicia, the inner ends of said slots from the uppermost thereof to the lowermost thereof being spaced progressively a greater distance from the adjacent side of the bow whereby to compensate for lateral veerage of an arrow by the bow.

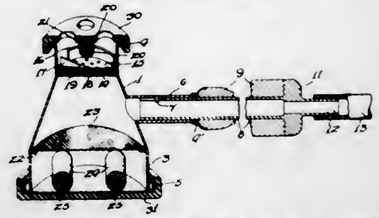
2,574,600
DECELEROMETER
Robert R. Stokes, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application August 13, 1945, Serial No. 610,654
2 Claims. (Cl. 264—1)

1. A decelerometer of the class described comprising a cylindrical housing containing a concentric first sleeve secured to the inner cylindrical surface thereof, an inertia responsive striker portion disposed within said first sleeve and including a second sleeve, a stem disposed concentrically within said second sleeve, and two inertia masses, each removably secured to an opposite end of said stem, and each abutting a respective end of said second sleeve, yieldable resilient means interposed between said first and second sleeves and secured to the entire exposed surfaces thereof, an anvil portion aligned with



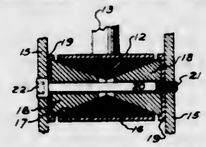
said striker portion, and stress means including a soft metal ball interposed between said striker portion and said anvil portion, said stress means having a lesser degree of hardness than and deformable by said striker portion and said anvil portion.

2,574,601
THERAPEUTIC MASSAGER
Hugo R. Swanson, Binghamton, N. Y.
Application November 28, 1949, Serial No. 129,700
4 Claims. (Cl. 128—67)



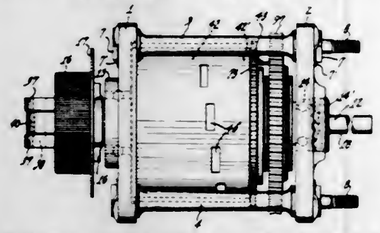
1. A massaging implement of the type described, comprising in combination a housing open at opposite ends, means for drawing air through said housing, a valve for controlling the rate of movement of air through said housing, and massaging rollers rotatably mounted in at least one of the open ends of said housing.

2,574,602
ENGINE SUSPENSION
Frank Stevens Thomas, Jr., Murfreesboro, Tenn., assignor to Development Corporation, Inc., St. Louis, Mo., a corporation of Missouri
Application October 25, 1946, Serial No. 705,510
7 Claims. (Cl. 180—33)



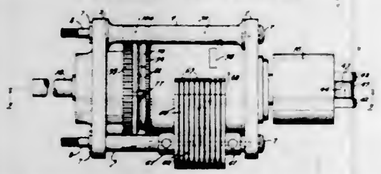
6. A motor mounting means for use with a cycle including a bifurcated hanger for connection with a motor, said hanger being adapted to straddle the pedal-sprocket housing of a cycle frame, and means adapted to be disposed within the housing for securing said hanger to the cycle frame.

2,574,603
AUTOMATIC SELECTOR MECHANISM
Erich J. Uhlig, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 15, 1945, Serial No. 599,571
19 Claims. (Cl. 192—142)



1. Selector mechanism adapted to effect adjustment of a device to one of a plurality of predetermined positions, comprising a selector disc assembly mechanically coupled to the device to be adjusted, said assembly comprising a plurality of selector discs each fully rotatable with respect to the others of said discs whereby said discs may be positioned at any desired angular position with respect to any other of said discs, a member disposed in spaced concentric relation with the disc assembly selectively actuatable to settings which correspond each to one of said predetermined positions, means positioned between the disc assembly and the concentric member operable, upon actuation of said member to a selected one of its settings, to stop the disc assembly at a position corresponding to said setting, and means for actuating said member and said selector disc assembly in a predetermined sequence of operations.

2,574,604
AUTOMATIC SELECTOR MECHANISM FOR RADIO APPARATUS
William D. La Rue, Beach Haven, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1946, Serial No. 713,005
9 Claims. (Cl. 74—10.2)



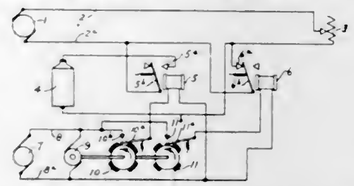
1. A motor-operated selector mechanism adapted to effect the automatic adjustment of a rotatable device to one of a plurality of predetermined angular positions, comprising a stack of position-determining rings, each corresponding to one of said positions, mechanically coupled as a unit to the device to be adjusted, said rings being axially spaced on a shaft and individually angularly adjustable thereon, a drum encircling said rings provided with a plurality of slots which are aligned each with one of said rings and which are also equi-angularly spaced, said drum being selectively actuatable to settings which correspond each to one of said predetermined positions, a plurality of stop-arms, one for each ring, disposed externally of the drum and each having a locking part which normally rests on the drum, said drum, depending upon the angular setting to which it is actuated, permitting a stop-arm locking part to drop through the drum slot aligned therewith and to coact with the aligned ring, said stop-arm eventually locking said ring to thereby stop said ring-stack and the device to be adjusted at the predetermined position corresponding to said drum setting, and drive means for actuating said drum and ring stack in a predetermined sequence of operations.

2,574,605
IMPACT TOOL FOR MAKING POWDER HOLES
Harry H. Van Pelt, Eureka, Calif.
Application May 7, 1948, Serial No. 25,717
4 Claims. (Cl. 255—5)



1. An impact tool for making a powder hole, comprising a tube having a lower end adapted for driving into the ground surface, a plunger within the tube for driving the same and having a weight on its upper end outside the tube, a handle projecting sidewise from the weight, fins arranged lengthwise upon the outside of the tube to permit the tube to be loosened with respect to the earth wall when the tube is turned in a back and forth movement, the plunger being normally revolvable in the tube and having a recess in the side thereof, and the tube having a spring-actuated pin slidable in the wall thereof and engageable in the recess for interlocking the tube and the plunger to allow the former to be turned by operation of the plunger handle.

2,574,606
ELECTRIC ANNEALING APPARATUS
Walter J. Willenborg, Weehawken, N. J.
Application May 6, 1950, Serial No. 160,462
8 Claims. (Cl. 219—11)

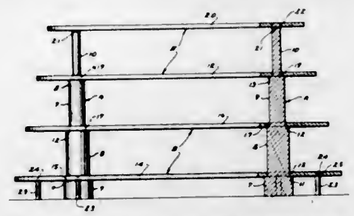


4. Controlling apparatus for electrically annealing a metal device comprising means for passing annealing current through said device, a switch for by-passing said current from said device, a relay for controlling said switch, and a timer for energizing said relay for opening said switch for a predetermined time interval and then deenergizing said relay for causing the closing of said switch.

2,574,607
KNOCKDOWN STAND
Clifford L. Youngstrom, Wykoff, Minn.
Application December 2, 1946, Serial No. 713,553
1 Claim. (Cl. 211—148)

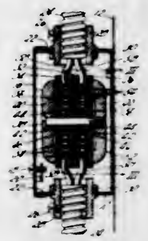
In a device of the character described, a pair of upright wooden standards having integral round portions of varying diameter each smaller than the one next below and forming vertically

spaced annular projecting shoulders, a shelf having openings sized to fit down upon each shoulder, an upper shelf having an opening to fit the smallest upper end of the standards, means on the standards below their upper ends for supporting the upper shelf, legs attached to and depend-



ing from the lowermost shelf outwardly of the lower ends of the standards to give added support to that shelf, pegs mounted in the shoulders and projecting outwardly therefrom, and the shelves seated on the shoulders having openings in their undersides to fit over the pegs.

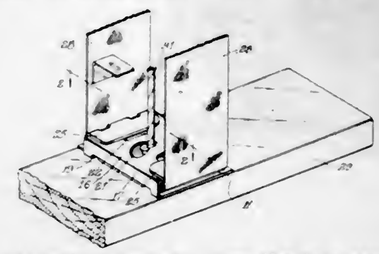
2,574,608
ELECTRICAL JUNCTION BOX CONNECTOR
Andrew H. Ziph, St. Joseph, Mo.
Application August 13, 1947, Serial No. 768,334
7 Claims. (Cl. 174—88)



2. An electrical conductor comprising a plurality of planar insulating members adapted to be assembled in a pile, a plastically deformable conductor plate disposed between successive insulating members, each of said plates being formed to present a plurality of teeth, said teeth being bent upwardly and inwardly to form a plurality of radial channels each adapted to retain loosely a wire inserted when the insulating members are disassembled, and means for drawing said insulating members forcibly together to permanently deform said teeth to force them into biting contact with said wires.

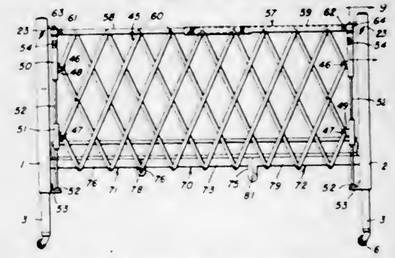
2,574,609
VENETIAN BLIND
Abraham L. Appelbaum, Chicago, Ill.
Application July 2, 1947, Serial No. 758,558
5 Claims. (Cl. 160—178)

1. A clip for securing a ladder tape of a Venetian blind to the bottom bar, including a bottom plate, a top plate having downwardly extending lateral flanges resting on the bottom plate, said top plate being provided with integral lugs adapted to be bent around the bottom plate in notches therein to secure said plates together, said bottom plate and said top plate being provided with registering openings for the insertion of fastening members in securing the clip to the bottom bar and clamping members hingedly connected at and rocking on the free edges of said top plate extending between said flanges thereon



and adapted to pivot to press the tape against the bottom plate.

2,574,610
FOLDING CRIB
Stanley T. Aarestad, Jamestown, N. Dak.
Application February 3, 1948, Serial No. 6,100
2 Claims. (Cl. 5—99)

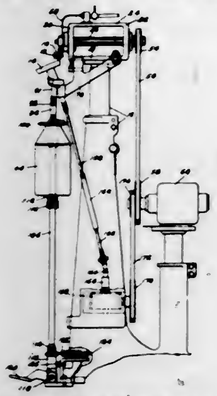


1. In a crib, a pair of end posts at one side thereof, a pair of vertical guides on said posts, upper and lower pairs of sleeves vertically slidable on said guides, a jointed lattice frame extending between said pairs of sleeves with joints attached thereto, said frame being collapsible by movement of said posts either one toward the other with upper edge joints tending to move upwardly as said frame collapses, and a channel bar straddling said upper edge joints and attached to the upper pair of sleeves to prevent such movement of said upper joints and prevent collapsing of said frame, said sleeves together with said frame and channel bar being vertically movable relative to the guides to permit lowering and raising of said frame, and said channel bar being operative to free said upper joints to permit said frame to be collapsed.

2,574,611
WELT INDENTING MACHINE
Corwin W. Baker, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 27, 1949, Serial No. 107,033
6 Claims. (Cl. 12—32)

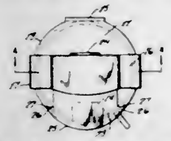
1. In a welt indenting machine, an indenting tool and mechanism for imparting to said indenting tool an orbital motion, said mechanism comprising a driven shaft, fixed bearings in which said shaft is journaled, an eccentric driving member on the shaft, a connecting rod journaled upon and driven by the driving member and carrying the indenting tool, a fulcrum about which the driving member rocks the connecting rod to impart to the indenting tool an oscillatory component of motion along the surface of a work piece, and means associated with the fulcrum for en-

bling the driving member to move the connecting rod toward and from the work piece and



thereby impart to the indenting tool a periodically reversing component normal to the surface of the work piece.

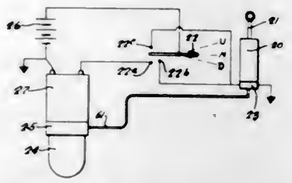
2,574,612
CUP AND COVER
James C. Barnes, Chicago, Ill.
Application August 19, 1949, Serial No. 111,259
2 Claims. (Cl. 65—31)



1. A cover for a container having a rim at the upper end of a side wall, comprising a plate adapted to rest upon the rim, a depending extension on the edge of said plate, said plate being formed with a drinking and pouring opening diametrically opposite said extension, other extensions depending from said plate in circumferentially-spaced relation to the first-mentioned extension, said extensions being arranged to frictionally engage the outside of the container side wall and maintain said plate engaged with the cup rim, a member on the upper side of said plate having a channel portion spaced upwardly from said plate and with said plate defining a slideway extending crosswise of said plate, and a closure plate slidably confined in said slideway and engaging the upper surface of said plate, said closure plate being movable from a position in which said closure plate completely closes said drinking and pouring opening to a position in which said closure plate completely exposes said drinking and pouring opening, said member comprising another plate secured to the upper side of the first-mentioned plate and having said other extensions on its opposite ends.

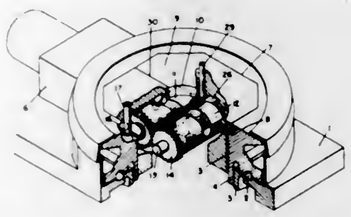
2,574,613
FLUID PUMP PRESSURE LIMITING VALVE
Everett L. Baugh, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 3, 1949, Serial No. 79,398
8 Claims. (Cl. 103—42)

1. A fluid pump having fluid displacement mechanism provided with an outlet port; a discharge port; a pressure relief port; a duct providing communication between all of said ports; and fluid flow control apparatus yieldably urged normally to shut off communication between the fluid displacement mechanism and the discharge and pressure relief ports without affecting the communication between the discharge and pressure relief ports, said apparatus being operative



at a predetermined fluid pressure, successively to discontinue the communication between said discharge and pressure relief ports and then open communication between the fluid displacement mechanism and the discharge port, said apparatus being operative at pressures in excess of said predetermined fluid pressure to open communication between the displacement mechanism and the pressure relief port.

2,574,614
ROTARY TABLE
Alexander H. Bell, Los Angeles, Calif., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application May 6, 1946, Serial No. 667,705
12 Claims. (Cl. 255—23)



1. In well drilling apparatus, horizontal rotatable members, means for mounting and surrounding the same including a rotary table assembly therewith, the whole not substantially higher than the rotatable members, and means for rotating said members to position the same for interlocking relation with the opposite sides of an elongated member subsequently inserted therebetween.

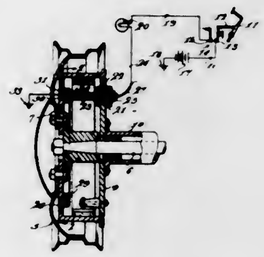
2,574,615
ADVERTISING DEVICE FOR PENCILS OR THE LIKE
Harry W. Brewer, St. Louis, Mo., assignor to Ritepoint Co., St. Louis, Mo., a corporation of Missouri
Application May 16, 1947, Serial No. 748,549
2 Claims. (Cl. 40—126)

2. An advertising device adapted to be mounted and supported at one end thereof by a pencil, pen, or the like, comprising a casing simulating a paste or cream tubiform container and having an aperture at the other end thereof, a rod simulating such paste or cream operating in said aperture to simulate a flow of such paste or cream



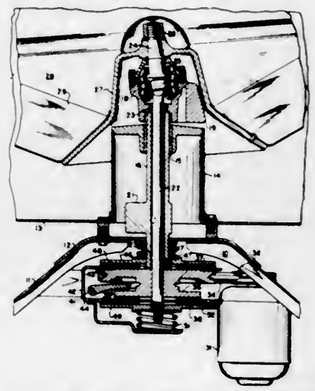
therefrom, and controlling means to insure a slow movement of said rod.

2,574,616
SPEED DECELERATING INDICATOR FOR MOTOR VEHICLES
Theodore G. Brown, Sunnyvale, Calif.
Application March 5, 1948, Serial No. 13,287
2 Claims. (Cl. 200—28)



1. A visual translational motion speed decelerating indicator for motor vehicles, comprising a switch adapted to be interposed in an electric signaling circuit of a motor vehicle for intermittently interrupting the signal circuit, said switch including a stationary contact and a revolving contact, and means driving the revolving contact at a speed at ratio to the translational motion of the vehicle, said stationary contact consisting a brush element disposed perpendicular to the plane of rotation of the revolving contact and engaging a limited portion thereof, said revolving contact consisting of a strip of electrical conducting material defining approximately a half circle and being in engagement with the stationary contact throughout approximately one-half of each revolution of the driving means whereby the time intervals that the signal circuit is maintained energized and de-energized by the switch will vary in direct ratio to the speed of translational motion of the vehicle.

2,574,617
WASHING MACHINE
Glenn Donald Bryant, Starkville, Miss., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 25, 1949, Serial No. 101,395
In Great Britain July 5, 1948
5 Claims. (Cl. 68—23)

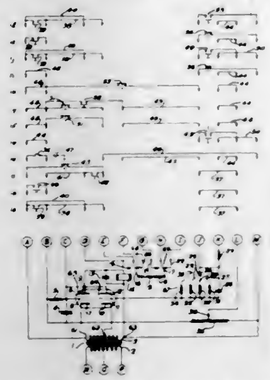


1. The combination with a washing machine of the type having a clothes container adapted to have a wobbling action imparted thereto for washing and to be rotated about its axis for extracting, of drive means for said container arranged to counterbalance forces created by the wobbling action, said drive means comprising coaxial inner and outer shafts, the inner shaft being fixed to the container and the outer shaft being rotatable while the container is held against rotation, means associated with the outer shaft and basket adapted to cause the basket axis to move in a conical path having its apex between the top and bottom of the basket when the outer shaft is driven and the inner shaft is held against rotation, means for concurrently driving the outer shaft and holding the inner shaft to effect wobbling, eccentric weight means on the outer shaft to counterbalance forces created by the wobbling action of the basket during washing, and means for concurrently driving the inner shaft and holding the outer shaft for extracting liquid from clothes in the container.

2,574,618
ELECTRONIC TIMING DEVICE
Phillip J. Cade, Sharon, Mass., assignor to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application February 14, 1947, Serial No. 728,501
9 Claims. (Cl. 250—27)

1. A time delay electron relay device comprising: a first electron discharge device having at least a first anode, a first cathode, and a first control electrode; a second electron discharge device having at least a second anode, a second cathode, and a second control electrode; a first control terminal; a first energy storage and dissipation means connected between said first control electrode and said first control terminal; a second energy storage and dissipation means connected between said second cathode and said second control electrode; a connection from said first anode to said second control electrode; a source of alternating current connected between said second cathode and said second anode and having an intermediate tap connected to said first cathode; a second and a third control ter-

minal disposed between said source and said second cathode and adapted unless interconnected to interrupt the supply of energy from said source; voltage divider means having an adjustable tap connected to a fourth control terminal, said divider means being connected across said



second cathode and said second anode; and operator means responsive to the flow of current in said second discharge device; and means for interconnecting a plurality of said control terminals to determine the operating characteristics of the device.

2,574,619

PROCESS FOR THE PREPARATION OF FLUOROCARBONS

George H. Cady, Leonia, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application March 9, 1943, Serial No. 478,567
7 Claims. (Cl. 260—648)

1. The method of producing a saturated fluorocarbon which comprises contacting the vapor of a hydrocarbon having more than two carbon atoms and excess gaseous fluorine in the presence of a catalyst comprising a heat conductive metal base having thereon an adherent layer of a metal fluoride selected from the group of the fluorides of silver, cobalt, manganese and cerium, maintaining the reactants at a temperature in the range of 100° C. to 400° C., and collecting a saturated fluorocarbon.

2,574,620

BETA-DI-PIPERONYL-AMINO-ETHANOL-HYDROCHLORIDE

Sven Carlsson, Abrahamsberg, Sweden, assignor to Aktiebolaget Recip, Stockholm, Sweden

No Drawing. Application April 13, 1949, Serial No. 87,376. In Sweden April 30, 1948
2 Claims. (Cl. 260—338)

1. Beta - di-piperonyl-amino-ethanol-hydrochloride.

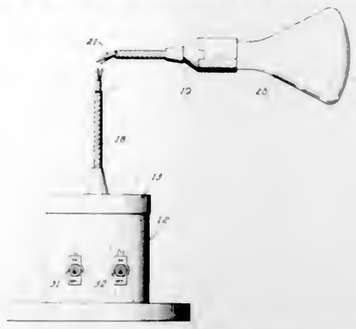
2,574,621

INDOOR PORTABLE OSCILLATING DRIER

Ernest K. F. Chun, Honolulu, Territory of Hawaii

Application May 26, 1950, Serial No. 164,461
1 Claim. (Cl. 219—19)

A rotatable drier comprising a vertically disposed cylindrical housing having a removable top wall, brackets mounted on the inside surface of the side wall of the housing and projecting radially inwardly therefrom, a supporting disc seated in a horizontal plane on the brackets, an electric motor depending from said disc and having an armature shaft rotatably disposed through the disc and arranged in a vertical plane, an upstanding tubular member rotatably disposed through the top wall of the housing, a bearing formed on the upper surface of the disc and mounting the tubular member for rotative move-



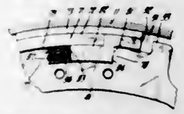
ment, a flexible metal conduit connected to the tubular member, a lamp socket secured to the end of the conduit for the reception of an infrared lamp, a first horizontal crank arm disposed in said housing and secured to said tubular member, a second horizontal crank arm secured to the shaft of the motor above the disc and a horizontal link operatively connecting the crank arms.

2,574,622

CLUTCH WEAR COMPENSATOR

Robert S. Clark, Berkeley, Calif., assignor to Yuba Manufacturing Company, San Francisco, Calif., a corporation of California

Application September 17, 1946, Serial No. 697,472
2 Claims. (Cl. 192—111)



1. A clutch comprising a drum, an anchor plate adjacent said drum, a friction shoe mounted on said anchor plate and engageable with said drum, means on said anchor plate for moving said shoe into and out of engagement with said drum, a pair of axially extending abutments circumferentially spaced on said anchor plate to constitute the walls of an axially open channel, a radial lug on and extending axially of said shoe and depending between said abutments and movable between them to leave one or two voids circumferentially between said lug and the walls of said channel, and elongated shims adapted to be axially disposed in said channel between said lug and either of said abutments for occupying all of said one or two voids to block said lug against circumferential movement between said abutments.

2,574,623

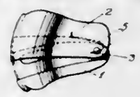
ANTISNORING DEVICE

Martin Clyde, Chicago, Ill.

Application January 31, 1948, Serial No. 5,614
2 Claims. (Cl. 128—136)

1. In an anti-snoring device, a pair of semi-annular members hinged together and adapted to overlap each other when closed, and yieldable means for causing them to expand, said members being provided with interengaging shoul-

ders for limiting the overlapping closed position of said members, said members being oppositely



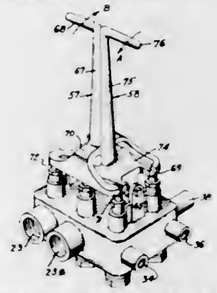
recessed to provide inter-engaging co-extensive, overlapping marginal portions extending from their respective adjacent edges to said shoulders.

2,574,624

CONTROL VALVE MECHANISM

John D. Cochin, San Francisco, Calif.

Application June 25, 1948, Serial No. 35,119
7 Claims. (Cl. 277—21)



1. In an operating handle means for actuating selectively a plurality of independently depressible actuating parts projecting exteriorly of a valve, a first handle rockably mounted on a pivotal support located exteriorly of said valve, actuating arms extending laterally from opposite sides of said first handle, each of said arms superposed over a depressible actuating part and arranged to depress said part when said handle is rocked in a direction toward said part, a second operating handle rockably mounted on said pivotal support and having actuating arms extending laterally from opposite sides thereof, each of said arms on said second handle superposed over a depressible actuating part and arranged to depress said part when said handle is rocked in a direction toward said part, one of said actuating arms on said first handle and one of said actuating arms on said second handle arranged and positioned to share with each other an overlying position with respect to one of the said depressible actuating parts whereby said last named actuating part can be actuated by rocking independently the first or second handles and by rocking both said first and second handles simultaneously in a direction toward said last named actuating part, and means carried by each of said handles to facilitate gripping of said handles to move the same selectively independently and simultaneously.

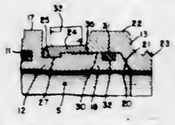
2,574,625

METHOD OF MAKING HIGH-PRESSURE SWIVEL HOSE COUPLINGS

George R. Coss, St. Clair Shores, Mich., assignor to Flex-O-Tube Company, Detroit, Mich., a corporation of Illinois

Application November 21, 1946, Serial No. 711,451
2 Claims. (Cl. 29—148)

1. The method of making a swivel hose coupling which comprises forming a tubular body member with a reduced diameter head portion, forming the external surface of the head portion with an annular sealing ring groove adjacent to the tip of the head portion, with a retaining flange receiving annular groove adjacent to the base of the head and substantially spaced from the sealing ring groove, and with a shallow annular relief groove intervening between the first mentioned two grooves and leaving narrow bearing areas between said first mentioned respective grooves and the relief groove, forming a swivel coupling member with a bore including a cylindrical portion of a diameter to closely clear the sealing groove portion of the head and the contiguous bearing area and with a skirt portion flaring radially outwardly and including a terminal generally radially inwardly extending annular retaining flange dimensioned to be received in final assembly within the retaining flange receiving groove of the head and with the juncture of the flaring portion with the cylindrical bore portion adapted to come in assembly at approximately the relief groove, placing a sealing ring within the sealing ring groove and with the perimeter of the ring



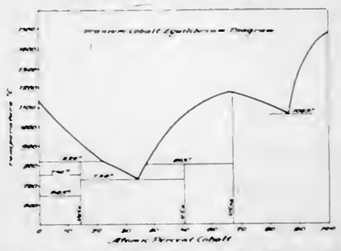
projecting radially outwardly beyond the cylindrical periphery of the adjacent bearing head, assembling the swivel member onto the head and radially compressing said sealing ring by engagement thereof with the cylindrical portion of the swivel bore, and reducing the diameter of the flaring skirt portion by overcontracting the same uniformly to drive said retaining flange into the retaining flange groove and to press the skirt portion against the bearing area of the head contiguous the retaining flange groove with a pressure that places the last mentioned bearing area under compression but well within the elastic limits of the material of the head contiguous thereto, and releasing the contracting pressure and allowing the skirt portion and the retaining flange to spring to a close swivel clearance relative to the bearing area contiguous the retaining flange groove and the bottom of the retaining flange groove respectively, the relief groove affording relief during the contracting step and also thereafter for any possible distortion that may persist at the juncture of the skirt with the cylindrical bore portion of the swivel member.

2,574,626

URANIUM-COBALT ALLOY

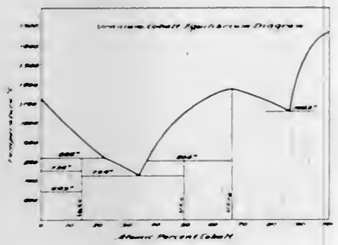
Adrian H. Daane, Ames, Iowa, and William K. Noyce, Fayetteville, Ark., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application August 12, 1947, Serial No. 768,132
1 Claim. (Cl. 75—134)



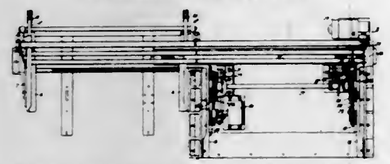
A composition of matter consisting of an intermetallic compound defined by the formula UCo_2.

2,574,627
URANIUM-COBALT ALLOY
Adrian H. Daane, Ames, Iowa, and William K. Noyce, Fayetteville, Ark., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application August 26, 1947, Serial No. 770,624
1 Claim. (Cl. 75—134)



A composition of matter consisting of an intermetallic compound of uranium and cobalt defined by the formula U_6Co having a density of about 17.7 grams per cubic centimeter.

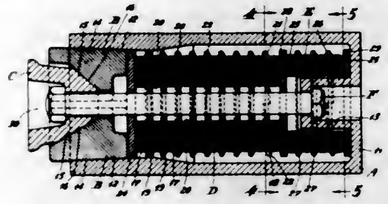
2,574,628
APPARATUS FOR SUPPLYING CIGARETTES TO PACKING MACHINES
George Dearsley, Scarsdale, N. Y., assignor to Molins Machine Company Limited, London, England, a British company
Application April 30, 1948, Serial No. 24,398
In Great Britain May 6, 1947
3 Claims. (Cl. 198—19)



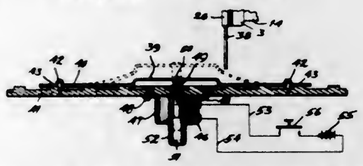
1. Apparatus for feeding and supplying articles to a machine hopper, comprising a track system adapted to support containers filled with said articles above the level of the machine hopper, a track of said system being arranged to support a number of filled containers away from the machine, a second track leading from the delivery end of the first track toward the machine and to a third track located directly above the machine and leading toward and beyond a container discharging position above the hopper, manually operated devices for moving containers along the third track into and out of the discharging position, a motor for operating conveyors associated with the other tracks for moving containers along them, a switch for the motor and a switch closing device operated by the movement of said manually operated devices for starting the motor to set the conveyors into motion.

2,574,629
FRICTION SHOCK ABSORBING MECHANISM
Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application August 12, 1946, Serial No. 689,943
3 Claims. (Cl. 213—34)

1. In a friction shock absorbing mechanism, the combination with a friction casing; of a friction clutch slidingly telescoped within the casing; front and rear cushioning elements within said casing yieldingly opposing inward movement of the clutch, said rear element being of lesser capacity than said front element; a follower movable with respect to the casing and interposed between said elements for transmitting the pressure from said front to said rear element; and stop means on the casing engageable by said follower for limiting inward movement thereof after the mechanism has been compressed to a predetermined extent, less than the full compression stroke thereof, to arrest compression of said rear element during the remainder of the compression stroke.

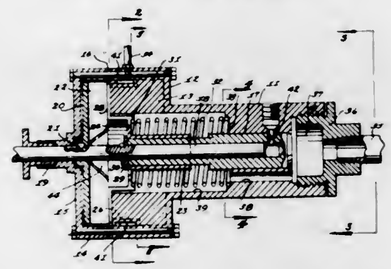


2,574,630
COUPLER FOR TOY CARS AND RELEASING MEANS
Clarence K. Edwards and Lawrence D. Edwards, Spokane, Wash.
Application November 10, 1949, Serial No. 126,618
5 Claims. (Cl. 213—212)



1. A car coupler comprising a housing adapted to be mounted under a car body longitudinally thereof and being open at its outer end and along its bottom, a bottom closure plate for said housing, a liner resting upon the closure plate within the housing and formed near its outer end with an upstanding boss located midway its width and integral therewith, a shackle extending longitudinally of said housing and having a shank extending into the housing through the outer end thereof and a head at the outer end of the shank, said shank being formed with a vertical bore located midway its width and into which said boss fits and pivotally mounts the shackle for transverse pivotal movement, a spring extending longitudinally in said housing inwardly of the shackle with its inner end seated in a socket formed in the inner end wall of the housing and its outer end seated in a socket in the inner end of the shank, said spring yieldably holding the shackle against transverse tilting movement, a jaw having a shank and a bill, a pin passing vertically through the shank of said jaw and the head of said shackle and pivotally mounting the jaw for movement transversely of the shackle, a spring about said pin yieldably holding the jaw in a normal position with its bill extending across the outer end of the head transversely thereof and in outwardly spaced relation thereto, said head having lips projecting from opposite sides of its outer end and having its outer end formed with a concaved transversely curved surface between outer ends of the lips, said bill having a transversely curved outer surface constituting a cam surface and a flat inner surface, and a lip projecting laterally from the outer side of the shank of said jaw and in position for engagement by a person's finger to move the jaw to a releasing position.

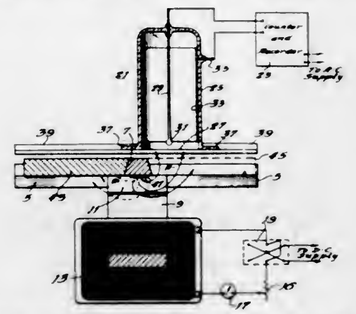
2,574,631
CONSTANT PRESSURE CENTRIFUGAL PUMP
George William Ely, St. Petersburg, Fla.
Application April 28, 1950, Serial No. 158,769
3 Claims. (Cl. 103—42)



1. A centrifugal pump of the character described comprising a cylindrical housing, an annular enlarged portion at one end of said housing, a shaft rotatably mounted in said housing, a plurality of impeller blades carried on said shaft in said enlarged portion adjacent the end wall of the housing, a plurality of inwardly projecting radially extending ribs carried by the interior wall surface of said enlarged portion, a pressure controlled disc member slidably mounted on said shaft and extending adjacent to said blades, said disc member being formed with radial slots in which said ribs are slidably receivable responsive to axial movement of said disc member, such axial movement occurring when the fluid pressure created by the blades exceeds a predetermined value, whereby increased clearance space is provided adjacent to the blades to reduce the fluid pressure, spring means biasing the disc member toward the blades and opposing axial movement of said disc member, said housing being formed with a fluid admission passage extending to the central part of said enlarged portion, a fluid outlet conduit connected to the side wall of said enlarged portion, said ribs being formed with longitudinal slots adjacent the interior wall surfaces of the enlarged portion, allowing substantially free flow of fluid through the ribs, stop means on said shaft limiting movement of said disc member toward said impeller blades, said spring means comprising a coiled spring surrounding said shaft and bearing between said disc member and said housing and arranged to oppose movement of the disc member away from said impeller blades.

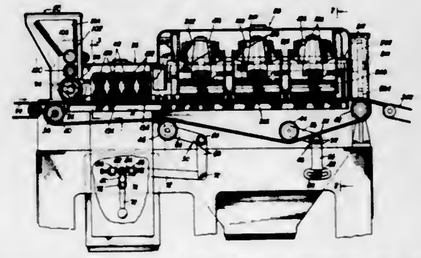
2,574,632
RADIATION DETECTION AND MEASURING APPARATUS AND METHOD
Donald W. Engelkemeir, Sante Fe, N. Mex., and Nathan Sugarman, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application June 8, 1945, Serial No. 598,273
8 Claims. (Cl. 250—83.6)

1. Apparatus of the class described comprising support means including a radiation impermeable member having a surface adapted to support a sample of radioactive material, means operable to provide a uni-directional magnetic field across the sample mounting surface of the member, the intensity of said field being such that the direction of the emitted particles will be substantially reversed in direction and positive and negative beta particles emitted from such sample will be deflected in opposite directions, means to detect



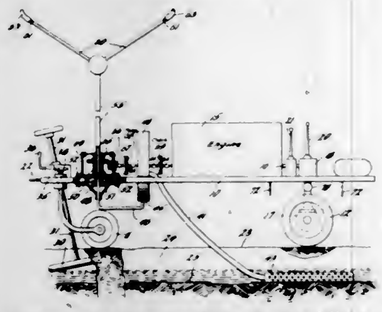
beta particles, means to mount the detecting means contiguous to the member, said means providing two mounting positions for the radiation detecting means, said mounting positions being on opposite sides of the member and positioned from the member in a direction normal to the magnetic field, and a shield having a movable portion mountable adjacent to the member to shield the detecting means.

2,574,633
BRONZING MACHINE
Leopold Faller, Brooklyn, N. Y.
Application April 16, 1948, Serial No. 21,478
21 Claims. (Cl. 91—59)



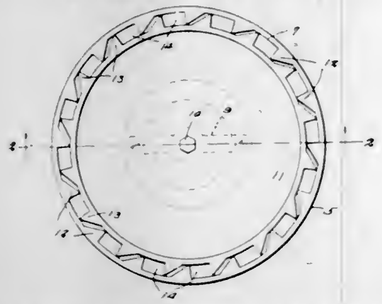
1. A bronzing machine comprising in combination: power driven conveying means arranged for transporting sheets through the machine in a predetermined direction, supplying means arranged for supplying metallic powder to such sheets, a series of power driven burnishing elements arranged for burnishing a metallic powder supplied to such sheets, a series of power driven dusting bands arranged for moving along the surface of said conveying means in a direction transversely of the direction of movement of sheets placed on said conveying means so as to remove excess metallic powder from such sheets, a series of holding-down bridges extending across the machine, each bridge carrying a plurality of holding-down rollers arranged for cooperation with a dusting band so as to hold same down towards said conveying means, each bridge being adjustable, and micrometer devices associated with said bridges for adjusting same in a predetermined position relative to said conveying means.

2,574,634
IRRIGATING MACHINE
William L. Frampton, Lincoln, Nebr.
Application April 3, 1946, Serial No. 659,265
12 Claims. (Cl. 299—52)



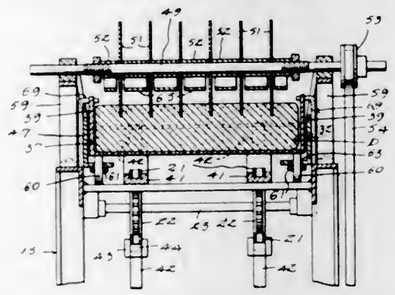
1. In an irrigating machine to straddle a water supply ditch, a wheel supported vehicle, means engaging the walls of the ditch to guide the vehicle to follow the direction of the ditch, a pump mounted on the vehicle, a source of power, means for connecting and disconnecting said source at will to the pump to discharge water and to the wheels of the frame to propel the vehicle, a hollow rotatable shaft, hollow arms carried by said shaft, means selectively connecting the shaft for rotation by said source of power, and means for conveying water from the ditch to the pump and from the pump to the arms.

2,574,635
ADJUSTABLE OUTLET BURNER HEAD FOR GAS OR OIL BURNERS
George W. Franzheim, Dunkirk, N. Y.
Application October 1, 1946, Serial No. 700,422
3 Claims. (Cl. 158—117)



1. A burner head including a body portion and deflector connected for relative rotary adjustment, the body portion having spaced inlet and outlet openings and the deflector being positioned across the outlet opening with its peripheral edge spaced from the outlet opening edge to define an annular space therebetween, an annular series of lugs on the body portion, and an annular series of lugs on the deflector, the lugs of both series each being of substantially right-triangular configuration when viewed in top plan, each lug having one side wall disposed substantially radially of said annular space and another side wall disposed chordally of said annular space, the substantially radial side walls of the lugs of the deflectors being disposed to contact the corresponding side walls of the body portion lugs, and the chordal side walls of the deflector lugs being disposed to contact the chordal side walls of the body portion lugs, the lugs of both series extending across the space to divide the space into an annular series of outlet ports, the lugs of one series adapted on selected adjustments of the body portion and deflector to engage the lugs of the other series to reduce the number of ports while increasing the area of each port remaining, and to increase the number of ports while reducing the area of each port, said lugs of both series, peripheral deflector edge, and outlet opening edge being all disposed in a horizontal plane common with the plane of the uppermost end of the burner head.

2,574,636
BREAD DOUGH FINISHING MACHINE
Clarence J. Gareis, Forty Fort, Pa., assignor of fifty per cent to United Bakers, Inc., Forty Fort, Pa., a corporation of Pennsylvania
Application August 1, 1947, Serial No. 765,559
5 Claims. (Cl. 107—22)



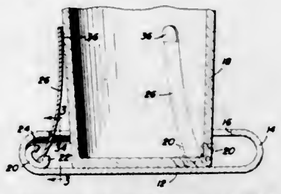
1. A bread dough finishing machine comprising a frame, a horizontally movable conveyor carried by said frame, pan guide means carried by said frame, upwardly extending pan engaging fingers carried by said conveyor for moving a pan along said guide means, a slicing element carried by said frame above said conveyor, means continuously operating said element, and roller means carried by said frame and adapted to raise the pan when the latter is disposed below said slicing element for engagement between said element and the dough in the pan, said roller means being adapted to lower said pan before passing said slicing element to prevent cutting of said pan.

2,574,637
SHOULDER PAD
Everett D. Gerry, New York, N. Y.
Application October 10, 1946, Serial No. 702,551
1 Claim. (Cl. 2—268)



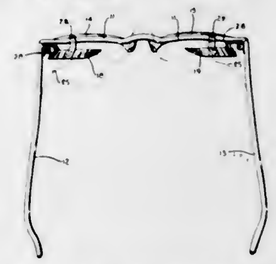
A shoulder pad of substantially triangular shape comprising a resilient, integral body having a normally convex upper surface and tapering along the side edges from the base, a strip of non-resilient material adhesively secured to the lower surface adjacent the transverse edge of said base to retain said lower surface in concaved condition about an axis normal to said base, and a second strip of non-resilient material adhesively secured to the lower surface along the mid-portion from base to apex of said body to retain said lower surface in concaved condition about an axis normal to said first mentioned axis, thereby providing two curvatures conforming to the shoulder surface of a wearer.

2,574,638
COASTER
Alan D. Gilbert, Cambridge, Ohio
Application May 18, 1950, Serial No. 162,621
3 Claims. (Cl. 65—53)



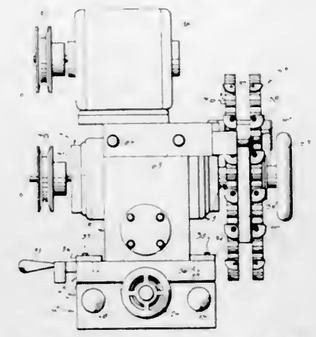
1. In a coaster for glasses, or the like, the combination of a cup-shaped base having an arcuate side wall provided at the top thereof with an inturned flange, pairs of spaced sockets secured to the inner surface of said side wall below said flange and each comprising an arcuate strap provided with upturned and downturned hooks at the respective lower and upper ends thereof, and a set of resilient fingers extending upwardly from said base and provided at their lower ends with pairs of laterally projecting trunnions engaging the respective pairs of sockets, intermediate portions of said fingers being adapted to abut said flange when said trunnions engage the upturned hooks of the sockets whereby upper end portions of the fingers may frictionally engage a glass positioned on said base.

2,574,639
DUST SHIELD FOR EYEGLASSES
Max Goldschmidt and Albert Sommer, New York, N. Y.
Application January 3, 1949, Serial No. 68,916
6 Claims. (Cl. 2—14)



1. Dust deflecting attachment for eyeglasses, spectacles, and the like, in the form of a frustoconical open ended shield adapted to taper towards the eyeglass, supports carried by said shield for attaching the same to the eyeglass at the rim thereof, said supports being of a height so as to space said shield a distance apart from said rim and eyeglass, the height of said shield being short such that, when the eyeglass with the attachment is in position on the human head, said shield is also spaced a distance apart from the corner of the eye, said shield thus extending with clearance from both eyeglass and eye and laterally at least along the lateral entrance of the open space between eyeglass and outer corner of the eye; said shield sloping obliquely into the space between eyeglass and eye so as to leave open the entrance into said space, allow air currents to enter said space but deflect them away from the eye and towards the eyeglass without substantially impeding the lateral vision field of the eye.

2,574,640
CONTINUOUS FEED BRAKE SHOE GRINDING FIXTURE
Frank A. Harper and John M. Graham, Paulding, Ohio
Application October 7, 1949, Serial No. 120,074
3 Claims. (Cl. 51—108)

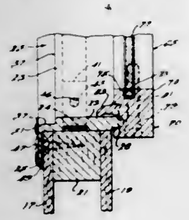


1. In a machine for grinding off the lining of an arcuate brake shoe, a base, a carriage mounted on said base for endwise movement relative to said base, a grinding wheel mounted stationarily at one end of the base and the carriage, a transverse shaft journaled on said carriage, means operatively connected to said shaft for rotating said shaft, a feed wheel fixed on one end of said shaft in the plane of said grinding wheel, said feed wheel comprising a pair of axially spaced discs having peripheral edges on which a brake shoe is adapted to be circumferentially engaged with the web of the shoe extending radially inwardly from the shoe into the space between the discs, first securing means on said discs for removably securing the brake shoe on the peripheral edges of the discs, and second securing means on said discs engageable with opposite sides of the shoe web, adjusting means connected between said base and said carriage for adjusting said carriage endwise on the base for engaging the lining of the brake shoe with the grinding wheel, said second securing means comprising radial pivot pins on the peripheral edges of the discs, locking discs mounted on said pivot pins to swing toward and away from adjacent sides of the shoe web, and locking members on said carriage extending along opposite sides of said feed wheel and engageable with the locking discs to hold the locking discs in engagement with the shoe web and against shifting of the shoe axially with respect to the feed wheel discs.

2,574,641
WINDOW CONSTRUCTION
Ollie L. Herron, Chicago, Ill.
Application January 2, 1947, Serial No. 719,755
1 Claim. (Cl. 189—69)

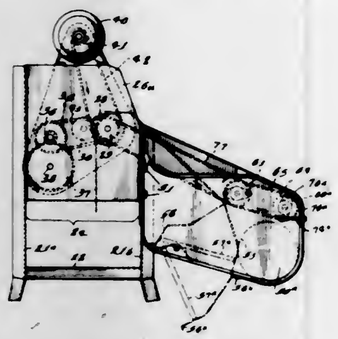
In a window construction a wall having a finished window opening therein, a window frame comprising a plurality of interconnected window frame elements of generally L-shaped cross section, each of which includes a generally flat body portion adapted to be disposed at right angles to

the plane of the window opening, a bead formed along one longitudinal edge of the body portion, and an attaching flange formed along the opposite longitudinal edge of the body portion and extending at right angles thereto, said flange, when said body portion is disposed as above stated, being disposed parallel to said window opening overlying said wall structure adjacent said window opening for attachment to said structure, said window frame being adapted to be inserted into said window opening and secured to said wall, a window sash hingedly connected to said wall ad-



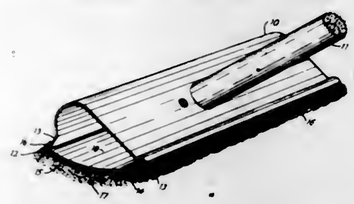
jacent said window opening and adapted to close against said window frame elements, said sash having a continuous groove formed along one face thereof adapted to receive said bead on said window frame elements when said sash is closed against said frame elements, and another bead formed on said window sash adjacent the lower edge thereof and above said groove, said another bead extending along and engaging said body portion of one of said frame elements when said window sash is closed against said frame elements.

2,574,642
TOWEL UNWINDING AND FOLDING MACHINE
Paul W. Jespersen, Wilmette, Ill., assignor to American Linen Supply Co., Chicago, Ill., a corporation of Nevada
Application September 30, 1950, Serial No. 187,766
12 Claims. (Cl. 242—55)



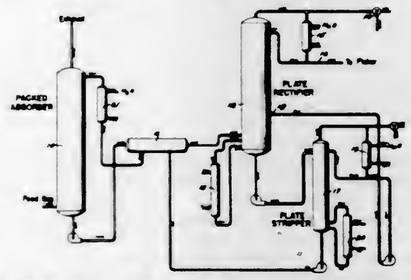
1. In a machine for unwinding a roll of textile material, a roll support for loosely supporting a roll of textile material, a driven roller, means including said driven roller for unwinding said material from said roll by pulling upon the outer web thereof, and additional means for automatically rotating said roll in the event said roll is dislodged from its resting position on said roll support by said unwinding means.

2,574,643
HOUSEHOLD APPLIANCE
Ralph C. Kersh, Mishawaka, Ind., assignor, by mesne assignments, to S. C. Johnson, Inc., Racine, Wis., a corporation of Wisconsin
Application July 23, 1948, Serial No. 40,222
2 Claims. (Cl. 15—231)



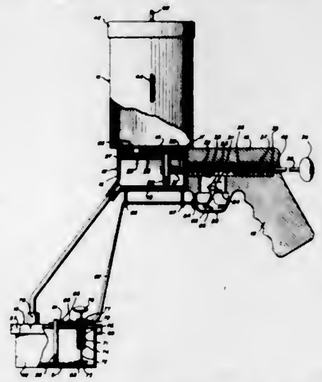
1. A device of the character described consisting of a resilient sheet material bent longitudinally to define an elongated body portion, said body portion constructed to form an arc extended in the direction of its elongation with sides tangent with said arc and terminating in elongated gripping portions having edges lying in a common plane, one tangent side being substantially longer than the other and extending away from said arc to form an acute angle with the plane in which said edges lie, a handle projecting substantially perpendicularly from said longer side and positioned substantially equidistant from the ends of said elongated body portion and closer to the point at which said longer side is tangent to said arc than to said edge of the gripping portion of said longer side, said gripping portions so positioned relative to said arc that when pressure is exerted upon said handle, the transmission of pressure through said sides is in an outward direction, and a retainer member formed of resilient sheet material bent longitudinally in concavo-convex form to define a central bearing wider than the spacing between the outer edges of said gripping portions and elongated side flanges on said retainer converging at an angle to hold said gripping portions therebetween.

2,574,644
RECOVERY OF POLYCARBOXYLIC ACID ANHYDRIDES
Ralph Landau, Brooklyn, N. Y., assignor, by mesne assignments, to Chempatents, Inc., New York, N. Y., a corporation of Delaware
Application July 6, 1948, Serial No. 37,274
6 Claims. (Cl. 260—342.5)



1. The process for the recovery of anhydrides of polycarboxylic acids selected from the group consisting of maleic anhydride and phthalic anhydride from a gaseous reaction mixture containing an anhydride in the vapor state, comprising precooling the gaseous reaction mixture to a temperature below the condensation point of the anhydride to liquify a portion of the anhydride vapor present in the gaseous reaction mixture, separating the liquified anhydride from the gaseous reaction mixture, passing the gaseous reaction mixture containing residual anhydride in the vapor state into contact with a solvent therefor comprising dibutyl phthalate to remove residual anhydride, and stripping anhydride from the solvent at a temperature between 175° C. and 250° C. and a pressure between 5 mm. and 50 mm. mercury, below the thermal decomposition point of the solvent at the existing subatmospheric pressure, whereby a substantially complete recovery of anhydride is obtained.

2,574,645
GLUE DISPENSER
Walker A. Leonard, New York, N. Y.
Application January 24, 1950, Serial No. 140,283
5 Claims. (Cl. 144—280)



1. A glue dispenser comprising a hand operated pump, a container mounted on said pump and providing a glue reservoir communicating with the interior of said pump, a glue applicator, a tubular conduit connecting said applicator to said pump, first valve means between said container and said pump, second valve means in said applicator controlling the outlet thereof, and means connecting said pump to said first and second valve means and operative to close said first valve means and open said second valve means when said pump is operated to force glue from said container to said applicator.

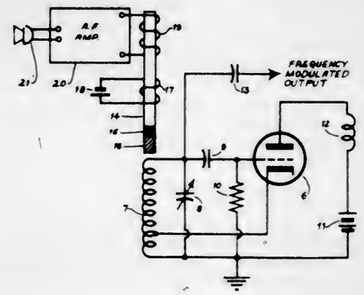
2,574,646
HEAVY-DUTY MOBILE CRANE
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application March 8, 1948, Serial No. 13,663
2 Claims. (Cl. 212—8)

1. A mobile crane comprising a wheel supported body, a boom pivoted at its lower end on the body at one end thereof and adapted for raising and lowering, said boom being of the suspension type, thick at the point of suspension near the center of said boom and tapering to a thin section at each end of the boom, a stiffleg from which to support said boom when said boom is at a lowered position, said stiffleg being fixed in relation to said boom adjacent its lower end and structurally independent of said boom and a boom-lift cable system extending from a



winch on said body over said stiffleg to the point of suspension on said boom.

2,574,647
MAGNETOSTRICTIVE MODULATOR
Robert Lorenzen, New York, N. Y., assignor to Electronic Systems Corporation, a corporation of New York
Application April 12, 1947, Serial No. 741,092
4 Claims. (Cl. 332—29)

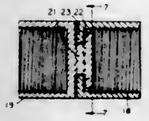


1. A frequency modulator including in combination an elongated body of magnetostrictive metal fixedly held at one end, electrical means including a coil wound around one portion of said body and for magnetizing and demagnetizing such body to cause contraction and extension of such body, a second coil wound around said body, direct current energy connected to said latter coil, an oscillator and cooperative means interposed between the body of magnetostrictive metal and the oscillator for causing a variation in the magnetic effect in said body and thereby produce frequency modulation in the oscillator by causing a variation in a single lumped circuital constant of the oscillator.

2,574,648
RAIL CONNECTOR
Joe H. Mason, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application May 1, 1946, Serial No. 666,353
2 Claims. (Cl. 287—91)

1. A connector for the juxtaposed threaded extensions of articles to be coupled, comprising two coupling members each threaded to engage a threaded extension of such an article, the first of such coupling members provided with an opening in its end opposite its threaded portion, such opening bounded by a radially extending flange, the second of said coupling members provided

with an extension adapted to project through said opening in the first member, an enlargement on the end of said extension adapted to engage the radially extending face of said flange and thus secure said coupling members against axial displacement, the first coupling member provided with a radial slot extending outwardly from its



said opening through said flange and the adjacent wall whereby said coupling members may be assembled by relative lateral movement therebetween, and a set-screw extending radially through the wall of said first member and substantially into engagement with said enlargement.

2,574,649

ALKYL ETHER OF CHLOROFLUOROHEPTENE

Earl T. McBee and William S. Barnhart, West Lafayette, Ind., assignors to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application September 10, 1945, Serial No. 615,498
6 Claims. (Cl. 260—614)

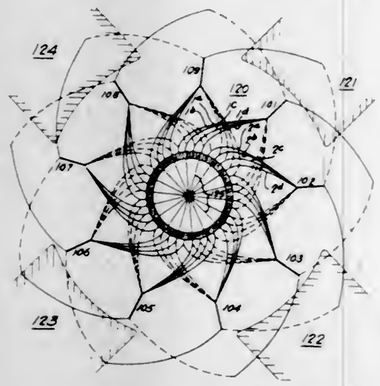
1. As a new compound, an alkyl ether of a chlorofluoroheptene containing at least 8 fluorine atoms in the heptene radical.

2,574,650

CROSS-CONNECTED ARMATURE

William E. Menzies, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 20, 1949, Serial No. 116,711
3 Claims. (Cl. 171—252)



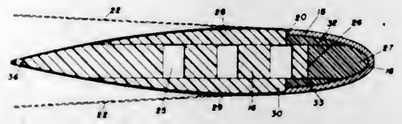
1. An armature for a direct current dynamo, said armature having a multiple-circuit wave winding; electrical ties joining selected equipotential points on circuits of said winding forming closed loops comprising voltage generating elements of said winding in which pairs of said voltage generating elements in each loop, due to the selection of proper equipotential points joined by said ties, are located in substantially the same region around the armature and are in voltage opposition in the loop whereby the voltage in the loops and consequently current in the ties is substantially zero.

2,574,651

SUSTAINING ROTOR BLADE

Donald N. Meyers, Philadelphia, Pa., assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa., a corporation of Pennsylvania

Application May 2, 1947, Serial No. 745,504
3 Claims. (Cl. 170—159)



3. A blade for a sustaining rotor for aircraft comprising, in combination, a preformed airfoil shaped core of light weight, rigid, cellular, plastic material and a unitary metal covering bonded to said core throughout its whole outer surface, said core including a leading edge portion of greater density than the remainder for blade balancing, said covering comprising a single sheet curved at the leading edge to form a nose portion of U-section, the metal therein being of substantially uniform thickness chordwise but tapering spanwise and sized to constitute a cantilever spar to carry the full blade loading, said sheet being abruptly reduced at the trailing edges of the nose portion to provide only a weatherproof skin for the core trailing portion of a thickness requiring support by the core for dimensional stability.

2,574,652

PROCESS OF PRODUCING NEEDLE CRYSTALS OF MAGNESIUM CARBONATE

Lewis B. Miller, Ambler, Pa., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania

No Drawing. Original application March 15, 1939, Serial No. 261,963. Divided and this application July 8, 1946, Serial No. 682,159
3 Claims. (Cl. 23—67)

1. The process of producing needle crystals of magnesium carbonate comprising providing a solution of magnesium bicarbonate of not less than 1.4% concentration, adding thereto magnesium oxide in powdered form at substantially room temperature and reacting and precipitating as needle crystals of magnesium carbonate a portion of the magnesium bicarbonate in solution, and mechanically separating said crystals from the solution.

2,574,653

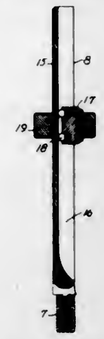
ADJUSTABLE STOP FOR POWER TOOLS

Clarence H. Miller, Menlo Park, Calif.

Application January 16, 1950, Serial No. 138,835
2 Claims. (Cl. 77—34.5)

1. An adjustable stop for a power tool comprising a spindle having flat opposite sides and one intervening side having threads thereon and a second intervening side having a longitudinal groove therein, a shoe in the groove, a nut surrounding the spindle and slidably interlocked with the shoe, said nut having internal threads to work with the threaded side of the spindle, the minimum diameter of the internal threading be-

ing sufficient for transverse movement of the nut on the spindle to disengage the nut threads from



the spindle threads, and spring means interposed between the shoe and spindle.

2,574,654

TONGUE CLEANER

Louie N. Moore, Benson, Ariz.

Application October 28, 1949, Serial No. 124,130
6 Claims. (Cl. 128—304)



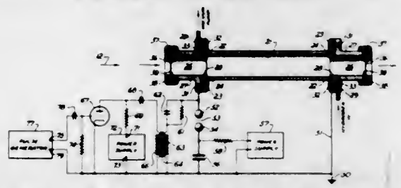
1. A tongue scraper comprising a handle, channel-shaped fingers providing clamping means for detachably securing said scraper to said handle, a blade on said tongue scraper, a trapezoidal plate joining said blade to said fingers, said plate having depending flanged edges reinforcing said plate.

2,574,655

APPARATUS FOR FOCUSING HIGH-ENERGY PARTICLES

Wolfgang K. H. Panofsky and William R. Baker, Alameda, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application March 15, 1950, Serial No. 149,812
6 Claims. (Cl. 315—237)



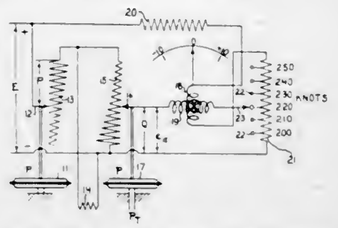
1. A magnetic arc lens adapted to be disposed in the path of and parallel to a beam of high energy particles, comprising an envelope defining a chamber, a pair of tubular electrodes disposed one at each end of said envelope, sealing means substantially transparent to said beam mounted across the outer opening of said electrodes, means for maintaining a gas medium in said chamber, and electrical means connected to said electrodes for establishing an arc between said electrodes in the direction of said beam whereby the magnetic field of said arc exerts a focusing force upon particles of said beam.

2,574,656

TRUE AIRSPEED INDICATOR

John B. Peterson, Bethesda, Md.; Ruth L. Peterson administratrix of said John B. Peterson, deceased

Application May 14, 1946, Serial No. 669,545
6 Claims. (Cl. 73—182)



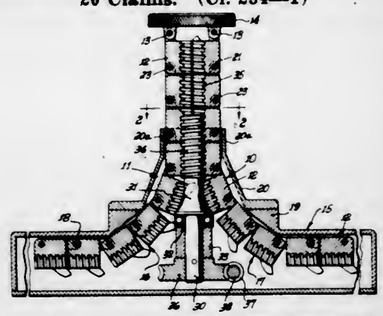
1. A true air-speed indicator comprising an electrical circuit including voltage supply lines; a first potentiometer having one end connected to one of said supply lines and having a contactor; a Pitot-static differential pressure responsive means operable to position the contactor on said first potentiometer so that the resistance between said one end and said contactor varies as an exponential power of the Pitot-static differential pressure; a rheostat connected to the other end of said potentiometer and having a contactor connected to the other voltage supply line; static pressure responsive means operable to position the contactor on said rheostat to vary the current therethrough as an exponential power of the static pressure; a second potentiometer connected across said voltage supply lines and having a contactor electrically connected to the contactor of said first potentiometer; means in the connection between the potentiometer contactors indicating the state of balance of the circuit; and means for indicating the true air speed as a function of the position of the contactor on said second potentiometer.

2,574,657

FLEXIBLE POWER TRANSMITTING MECHANISM

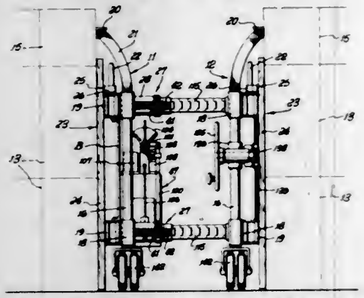
Harold C. Pierce, Pomona, Calif.

Application October 23, 1945, Serial No. 624,009
20 Claims. (Cl. 254—1)



1. Mechanism of the character described, comprising a pair of flexible segmental members, drive mechanism received between and engaging the members to advance them convergently together, and means on said members interengageable by movement together of the members to interlock and maintain the members against relative separation and in substantially rigid condition.

2,574,658
LADING BRACE FOR FREIGHT CARS
Harold C. Pierce, Pomona, Calif.
Application October 23, 1945, Serial No. 624,010
23 Claims. (Cl. 105—369)



1. Load displacing apparatus of the character described comprising a frame having sections movable relatively apart to displace the load, fluid pressure actuated means operable to move said sections apart, and yielding means resiliently resisting such movement of the sections apart and operable to return said sections toward each other after their movement apart.

2,574,659
HAMMER METAL FINISH
Robert H. Prislin, Cleveland Heights, Ohio, assignor to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 12, 1949, Serial No. 70,599
6 Claims. (Cl. 260—21)

1. A coating composition adapted to produce a simulated hammered metal finish by spraying, comprising an oil modified alkyd resin vehicle, from 0.5%–4% of a finely divided metal, and from 0.05% to about 1.0% of an alkyl-methacrylate polymer soluble in said vehicle.

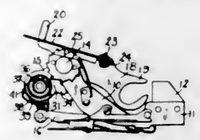
2,574,660
MECHANICAL COIN WRAPPER
Earl H. Roberts, Ravena, N. Y.
Application September 2, 1947, Serial No. 771,784
8 Claims. (Cl. 93—2)



8. A coin wrapping machine comprising an elongated tube of resilient material split throughout its length, a beveled plug slidably and rotatably mounted in one end of said tube for rolling and tightening a wrapper in the tube about coins in the tube as the tube is manually compressed to force one end of the wrapper against the periphery of the plug, and means yieldingly urging said plug into said tube.

2,574,661
SEWING-MACHINE ATTACHMENT
Herbert H. Russell, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application December 15, 1949, Serial No. 133,059
7 Claims. (Cl. 112—135)

1. A ruffler attachment for sewing machines comprising a frame, a pendulum lever pivoted at its upper end to the frame, a ruffling blade connected to said lever, a fork arm pivoted to the frame having means for connection to the needle bar of the sewing machine and means for actuating said lever, a cam member engaged



by said actuating means and having a pivot pin rotatably mounted in said lever, means on the pivot pin by which said cam member may be rotated, and spring detent means for holding said cam member in rotatably adjusted position.

2,574,662
FREEZING TRAY
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 14, 1948, Serial No. 8,352
2 Claims. (Cl. 62—108.5)

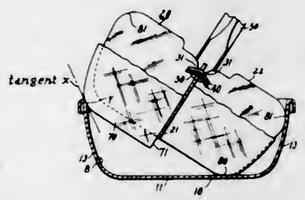


1. In combination, an elongated metal freezing pan and a closely fitting grid of molded plastic material removably positioned therein to form with the pan two rows of ice block compartments, said grid comprising: an upright longitudinal main wall extending from end to end of the grid and serving as a continuous relatively rigid backbone for the grid to substantially prevent bending thereof in a vertical direction, a continuous wall integral with and projecting laterally from each side of said longitudinal wall from end to end thereof and shaped to form a series of alternately inverted trapezoidal shaped ice block compartments, said continuous walls forming horizontal flat top closures for the downwardly opening trapezoidal compartments and flat horizontal bottom walls for the upwardly opening trapezoidal compartments, the outer edges of said horizontal top closures extending laterally into abbuting relationship with the pan side walls so as to provide completely sealed top closures for said downwardly opening compartments when said pan is filled with water to the level of said top closures and subjected to freezing temperature.

2,574,663
ICE TRAY
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 21, 1948, Serial No. 45,536
1 Claim. (Cl. 62—108.5)

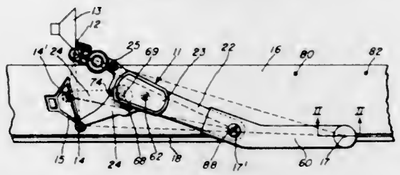
In a freezing tray, an elongated container pan having a flat bottom and two opposed inwardly concave side walls, and a unitary removable grid, said grid comprising: a main longitudinal wall, a series of cross walls tiltable longitudinally of said main wall to loosen the ice blocks from said pan and grid, and a hand lever swingable longitudinally of said grid to tilt said cross walls, said cross walls having rounded upper corners normally projecting materially above the pan

side walls and adapted to tangentially engage said concave side walls when the grid is rocked laterally from its normal horizontal position within the pan, said cross walls having such vertical height and contour that the entire grid and ice contents may be rocked laterally to and fro from its normal horizontal position to a cocked position within the pan and during such rocking be continuously guided by the contour



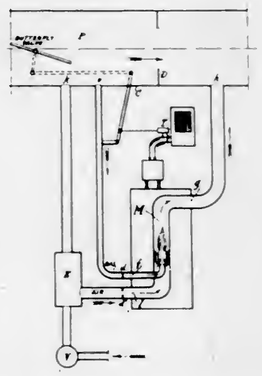
edges of said cross walls sliding along both the pan bottom and said concave side walls, said guiding of the grid and ice contents being continuously effective to such a large angular position of the grid that some of the loosened ice blocks may be removed laterally over the edge of a side wall while other fully loosened ice blocks will be properly guided back to normal position in the pan when the grid is restored to its normal horizontal position.

2,574,664
LETTERING SCRIBER
Walter Harry Schneider, Ridgefield, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application March 5, 1949, Serial No. 79,797
4 Claims. (Cl. 33—23)



1. An extension for the tail piece of an adjustable scriber having a writing instrument, a tracer pin and a tail pin forming the vertices of a triangle, the spacing between the tracer pin and the writing instrument being adjustable to spacings greater than the normal spacing at which the scriber draws erect indicia with the tail pin in its normal position on the scriber from a template having characters inclined at a predetermined angle, said extension comprising an arm having means for carrying a tail pin and means for securing said arm to the scriber, so that when said arm is secured to the scriber and the scriber is adjusted to make the spacing between the writing instrument and the tracer pin equal to a predetermined increased spacing, said means for carrying the tail pin is in such a position that a tail pin carried thereby together with the writing instrument and tracer pin in their adjusted positions form the vertices of a triangle which is substantially geometrically similar to the triangle formed by the writing instrument, tracer pin and tail pin when the tracer pin and writing instrument are adjusted to their normal spacing and the tail pin is in its normal position on the scriber.

2,574,665
APPARATUS FOR DETECTING THE CALORIC OUTPUTS OF GASEOUS FUELS
Pierre Schuller, Decazeville, France, assignor to Societe Anonyme de Commentry-Fourchambault & Decazeville, Paris, France, a company of France
Application August 16, 1948, Serial No. 44,446
In France August 20, 1947
2 Claims. (Cl. 73—190)

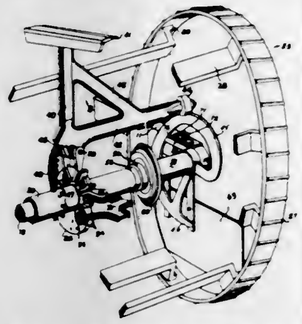


2. An apparatus for detecting the calorific outputs of gaseous fuel circulating in a main pipe, which comprises a calorimeter, means for producing a drop of pressure in a part of said main pipe, means for connecting the calorimeter with said pipe ahead of said part, means for burning in said calorimeter the flow of gaseous fuel which is conveyed to said calorimeter by said connecting means, means in the circuit comprising said connecting means and said calorimeter for producing a pressure drop in the flow of gaseous fuel conveyed to said calorimeter, said last named means being adapted to give a pressure drop equal to said first named one, piping means for introducing gas under pressure containing oxygen into said calorimeter for burning the gaseous fuel crossing said calorimeter, means on said piping means for producing in the flow of gas containing oxygen a pressure drop equal to the first named one, and a discharge pipe ahead of the said last named means for evacuating the excess of said gas containing oxygen.

2,574,666
COTTON CHOPPER
Robert E. Seltzer, Bellevue, Ohio, assignor to The American Baler Co., Bellevue, Ohio, a corporation of Ohio
Application January 3, 1949, Serial No. 68,954
13 Claims. (Cl. 97—22)

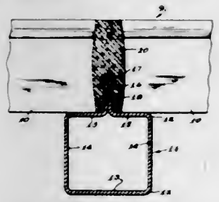
1. In a cutting attachment of the character described, the combination of a frame including an axle shaft stationarily mounted therein, a hub element mounted for free rotation about said shaft, a cam journaled on said shaft, means on the frame engaging the cam and holding it against rotation in one direction, a plurality of bell cranks pivotally mounted on said hub element on axes normal to said shaft, a spring urging each of said bell cranks in one direction of rotation, a cam follower on the free end of one arm of each of said bell cranks and engaging said cam to rotate each of said bell cranks in op-

position to said spring upon rotation of said hub element in one direction, and a cutting blade at



the free end of the other arm of each of said bell cranks.

2,574,667
STRUCTURAL SUPPORT FOR ROOFS AND FLOORS
Everett C. Shuman, Haddonfield, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application May 23, 1947, Serial No. 750,029
4 Claims. (Cl. 189—34)



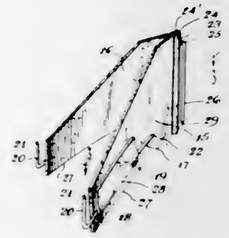
1. A rail adapted to form a sub-purlin in a building structure, said rail consisting of a single sheet of metal bent to form a rectangular hollow body comprising a horizontal bottom, vertical sides and a horizontal top, the top consisting of sections formed by bending the sheet material inwardly at the upper edges of said sides, the rail including a web extending lengthwise thereof midway between said sides and formed by bending the sheet material upwardly at the middle of said top, the web consisting of flat vertical sections having their inner faces in contact throughout to provide a two-ply web, the rail including upper marginal portions extended outwardly from the upper edges of said flat vertical sections to form an anchor.

2,574,668
HOSE UNCOUPLING SYSTEM
William Sluyter, Eureka, Calif.
Application December 17, 1947, Serial No. 792,133
9 Claims. (Cl. 137—78)



1. A separable hose uncoupling system comprising a source of gas under pressure, a separable hose connection movable to a coupling position and an uncoupled position, means including valve means to open and close communication between said source of gas under pressure and said separable connection, a gas actuated mechanism operatively linked to said separable hose connection and arranged and constructed to move said separable hose connection to its uncoupled position upon gas under pressure being supplied to said gas actuated mechanism and to move said separable hose connection to its coupling position upon gas under pressure being exhausted therefrom, means comprising said valve means to supply gas under pressure to said gas actuated mechanism, and means to exhaust gas from said gas actuated mechanism.

2,574,669
REMOVABLE TROUSER LEG BOTTOM GUARD
Harry Snider, Chicago, Ill.
Application August 23, 1949, Serial No. 111,843
4 Claims. (Cl. 2—232)

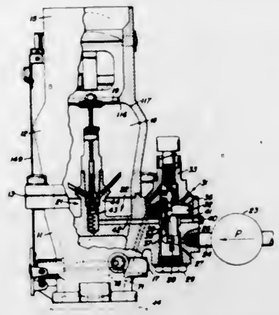


2. In a removable trouser leg bottom guard construction for preventing wearing out of trouser leg bottoms, a pair of wing members integral with each other and having a fold line intermediate the opposed outer ends thereof, said members being joined along a line spaced apart from said fold line whereby to form a relatively stiff hinge-like juncture, a downwardly directed prong secured to said juncture and parallel thereto and adapted to be inserted downwardly into the trouser leg bottom for pinning same to said leg bottom at the rear thereof, and a pair of prongs secured one to each of said wing members and arranged to be engaged to the interior sides of the trouser leg bottom for securing the respective wing members thereto in readily removable engagement.

2,574,670
CARBURETOR
Frank B. Sweeney, Rochester, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application November 23, 1945, Serial No. 630,257
7 Claims. (Cl. 261—37)

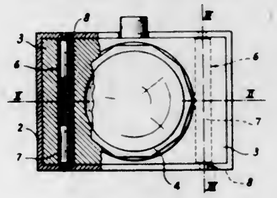
1. In an internal combustion carburetor having a fuel line through which fuel is pumped at substantially constant pressure and wherein the engine has an intake manifold comprising, in combination, pressure regulating means in said line, means for controlling the resistance to fuel flow of said pressure regulating means to maintain the fuel pressure on the discharge side of said pressure regulating means substantially constant under the normal range of conditions of engine operating load, and means subject to intake manifold pressure for decreasing the resistance to flow

of said pressure regulating means to increase the fuel to air ratio only upon a predetermined in-



crease in the load on the engine above the normal range.

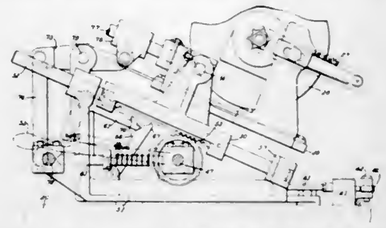
2,574,671
FLUID- AND DUSTPROOF CASE
Bernard Taubert, Geneva, Switzerland
Application September 30, 1949, Serial No. 118,843
In Switzerland November 5, 1948
2 Claims. (Cl. 58—90)



1. A fluid- and dust-proof case for time-pieces, comprising a rim, a chassis encased and fitting closely within said rim, a cylindrical barrel-well in said chassis, a hole traversing said chassis from side to side thereof on each side of said barrel-well, a spring lock in each of said holes, each said spring lock consisting of two lock bars a coil spring abutting the ends of and separating the lock bars, mortises in said rim opposite each end of said spring locks, whereby the action of said coil spring locks said chassis and rim together by forcing the ends of said lock bars within said mortises.

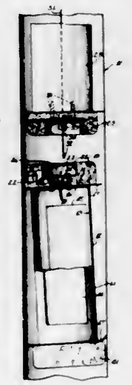
2,574,672
KERF-CUTTING MACHINE
Laurence E. Topham, Wenham, and Garrett P. S. Cross, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application February 14, 1945, Serial No. 577,750. Divided and this application July 13, 1948, Serial No. 38,514
4 Claims. (Cl. 144—2)

1. An apparatus for operating on a last-part block, the apparatus comprising means for holding such a block, a cutter-carriage, a support on which said carriage and the holding means are movably mounted, means for moving the carriage toward and from a work station, a cradle movably mounted on the carriage, a planar kerf-cutter mounted on the cradle, actuating means engageable with the cradle for moving the cutter in translation in its plane and toward or from the carriage to elongate a kerf in which the cutter is situated, and locking means mounted on said support including a member interposed between and engageable with one or



the other of the respective means for moving the carriage and the cradle to lock them alternatively and to unlock each of them when locking the other.

2,574,673
PNEUMATIC TUBE CARRIER RETRIEVER
James P. Van Horn, Libertyville, Ill.
Application July 29, 1950, Serial No. 176,609
7 Claims. (Cl. 243—37)

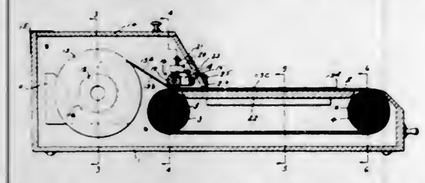


5. In a pneumatic conveyor system wherein a tube is conveyed within a conduit by virtue of a pressure differential therein, a carrier comprising a cylindrical casing, an end closure secured to each end of said casing, each of said end closures being provided with a perforate screen portion, a retriever comprising a body member arranged to travel freely within said conduit, a hook extending from said body member arranged to engage said screen upon contact therewith, and a flexible tension member secured to said body member for manipulating said retriever within said conduit.

2,574,674
APPARATUS FOR DISPENSING AND INSCRIBING TAPE
Louis D. Walker, Lakewood, Ohio
Application January 12, 1946, Serial No. 640,977
12 Claims. (Cl. 281—11)

1. Apparatus of the class described for dispensing and inscribing labeling tape, comprising, in combination, a movable writing surface comprising an endless belt, a supporting member over which the belt passes and supportingly cooperable with a portion of the belt on which the tape is to be disposed, means for causing movement of said surface, and means for causing a labeling tape to be disposed upon said surface

as the latter is moved, movement of said surface causing the said tape to be disposed upon said



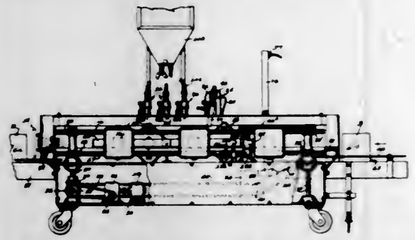
surface in condition to be inscribed while in contact therewith.

2,574,675

MACHINE FOR APPLYING MORTAR BONDING MATERIAL TO BUILDING BLOCKS

George W. Walker, Columbus, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application April 22, 1948, Serial No. 22,628
7 Claims. (Cl. 91—45)



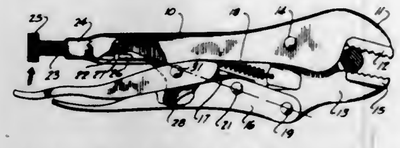
1. Apparatus for applying a surface coating to rectangular blocks, said apparatus including a horizontally traveling conveyor, means for driving the conveyor, carriers connected to the conveyor at intervals therealong, and traveling therewith, each said carrier including a rotatable shaft extending transversely of its direction of travel with the conveyor and mounted for rotation about its axis, a rectangular mask connected to the shaft to rotate therewith and having a block engaging surface rotatable with the shaft and in a plane perpendicular to the axis of the shaft, automatic means for positioning a said block to be engaged by said mask, automatic means operable during the travel of the mask with the conveyor for squaring the mask with the block, and means for automatically engaging the mask with the said block during the travel of the mask after it is squared with the block.

2,574,676

TOGGLE ACTUATED PLIER-TYPE WRENCH

Glenn J. Waterbury, Los Angeles, Calif.

Application November 22, 1946, Serial No. 711,611
1 Claim. (Cl. 81—84)



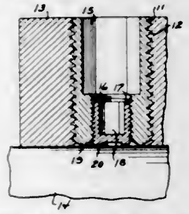
A tool of the type described, comprising: a handle having a fixed jaw integral therewith; a movable jaw pivotally attached to the handle to move relative to the fixed jaw and having an ear spaced from the pivotal attachment between the jaw and said handle; toggle means, including two pivotally interconnected, elongate members, the free end of one member being pivotally connected to said ear, the free end of the other member being pivotally connected to said handle; a tension spring having one end fixed to said ear and having the other end fixed to said handle whereby said movable jaw normally tends to move away from said fixed jaw; an extension carried by the toggle member pivotally connected to said ear forming a handle substantially coextensive with said first-named handle, and cooperative therewith to move said toggle means, as a user squeezes said handles together, to a position in which said tension spring will urge the movable jaw toward said fixed jaw; an arm; a pair of tines outwardly extending from one end of said arm; and means for pivotally connecting said tines in a straddling relationship to the toggle member connected to said first-named handle whereby said arm is disposed intermediate said handles for swinging movement between the same, the free ends of said tines being formed with curved faces movable into engagement with the handle-forming extension of the other toggle member and adapted to apply a force against said extension as the opposite end of the arm is moved toward said first-named handle to urge said toggle means to a position in which the tension spring will urge the movable jaw away from said fixed jaw.

2,574,677

MULTIPLE PART SET SCREW

Daniel A. Wieland, Hagerstown, Md.

Application January 7, 1948, Serial No. 981
4 Claims. (Cl. 85—1)



2. A set screw assembly comprising an outer body portion provided with external threads, a hex-shaped bore centrally of said body portion, an internally threaded bore at the bottom of said hex-shaped bore concentric with said hex-shaped bore, a set screw threaded into the internally threaded bore, the length of the threaded portion of the set screw and the length of the internally threaded bore being of a length less than the length of the outer body portion, the set screw having a hex-shaped bore which is in axial alinement with the hex-shaped bore of the outer body portion and the threads of the bore of the outer body portion and the threads of the set screw being of finer pitch than the external threads of the outer body portion, the lower end portion of the set screw and the lower end portion of the outer body portion each having a tapered surface thereon to provide a gripping surface.

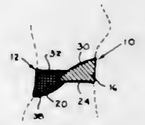
2,574,678

BODY ENCIRCLING ARTICLE

Ruth N. Wilbur, New York, N. Y.

Application January 28, 1947, Serial No. 724,811
3 Claims. (Cl. 2—301)

1. A belt to be worn around the waist and comprising two elongated members, each member having two edges which intersect to form opposite corners, one edge being a substantially straight edge extending from one corner of the member to the opposite corner thereof and the other edge being a curvilinear edge extending from the first mentioned corner to the second mentioned corner away from the substantially straight edge and means at each corner of one member co-



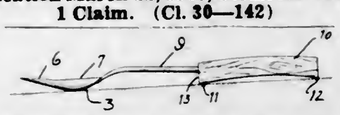
operating with means at the corners of the other member to separably fasten the members together to form a belt around the waist, the curved edge of one member and the substantially straight edge of the other member constituting one edge of the belt and the substantially straight edge of the first mentioned member and the curved edge of the second member constituting the other edge of the belt.

2,574,679

KITCHEN UTENSIL

Harold G. Woodburn, Munhall, Pa.

Application March 22, 1947, Serial No. 736,569
1 Claim. (Cl. 30—142)



A spoon-like kitchen utensil comprising a bowl portion having a concavo-convex shape; said bowl portion merging into a substantially flat triangular portion extending forwardly of said bowl portion, the base of said flat triangular portion forming a forward edge for said utensil normal to the axis of said utensil, said substantially flat triangular portion provided with laterally extending, relatively narrow, forwardly tapering sides which are a continuation of the sides of said bowl portion and form a substantially straight edge therewith in plan, the forward end of each of said forwardly tapering sides substantially merging into the plane of said flat triangular portion, said last-named sides in elevation being substantially straight and merging with said bowl sides at an obtuse angle to thereby enable the substantially flat portion of said utensil to be effectively inserted between a relatively flat food article and its support; and a handle attached to and extending rearwardly of said bowl portion, and adapted to support said bowl portion in a substantially horizontal position when said utensil is placed on a horizontal surface, said handle having a portion thereof of a width sufficient to prevent ready tilting of said bowl when said utensil is disposed on a horiozntal surface.

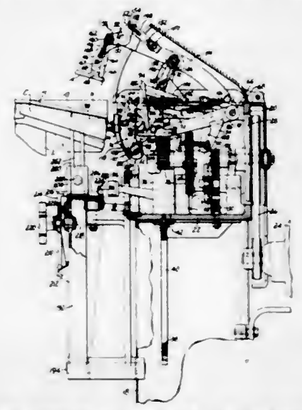
2,574,680

MACHINE FOR TURNING THE PLATFORM COVERS OF PLATFORM SHOES

Augustus D. Willhauck, Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 21, 1948, Serial No. 39,876
5 Claims. (Cl. 12—1)

3. In a machine for turning the platform covers of platform shoes, a stationary tool adapted to engage within the unturned platform cover of an inverted shoe at the heel end of the shoe, a plunger engageable with the shoe bottom at the heel end of the shoe, means for depressing the plunger first into contact with the shoe bottom and then further while in such contact to cause the platform cover to be turned over the tool, a friction tool engageable with the platform cover, means operated by the plunger



depressing means for raising the friction tool in frictional engagement with the platform cover to assist the plunger in turning the platform cover, a connection in said raising means which is initially disengaged to render the raising means inoperative, a feeler movable with the plunger and engageable with the shoe bottom, and means responsive to the engagement of the feeler with the shoe bottom for engaging said connection to render the raising means operative.

2,574,681

MATERIAL AND METHOD FOR RADIOGRAPHY

Walter H. Zinn, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application August 17, 1945, Serial No. 611,101
5 Claims. (Cl. 250—65)



1. A radiographic device which comprises a gamma ray sensitized film, a substance capable of emitting gamma rays under neutron bombardment, and a column of slow including thermal neutrons incident upon said substance, said elements being disposed so that an object to be radiographed may be placed a substantial distance from the substance between said gamma emitting substance and said sensitized film and the sensitized film is out of the path of the column of neutrons.

2,574,682

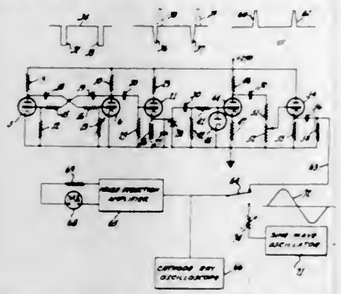
PEAK READING MEASURING SYSTEM

Edward P. Ancona, Jr., Sun Valley, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application February 25, 1949, Serial No. 78,266
5 Claims. (Cl. 179—171)

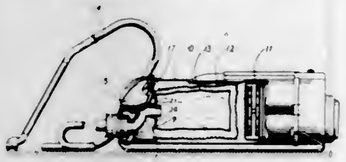
1. A measuring system for a noise reduction amplifier, comprising a source of pulses having

a predetermined frequency and amplitude and of low energy content, a second signal source having the same frequency and amplitude but of high energy content, means for connecting said sources to said noise reduction amplifier at mutually exclusive times, means for adjusting the frequency and peak amplitude of said pulses of low energy content to correspond to the frequency and peak amplitude of said second signal, means



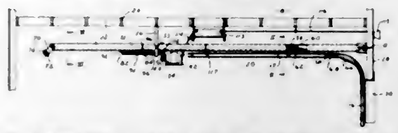
for adjusting the gain of said noise reduction amplifier to provide an output current equivalent to 100% modulation bias, means for measuring the output current of said noise reduction amplifier at said adjustment with an input of said pulse signal of low energy content, and means for adjusting the level of the input to said noise reduction amplifier from said second signal source to provide an output current equal to that provided by said pulses of low energy content.

2,574,683
RECEPTACLE
Emil Anderson, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application January 24, 1946, Serial No. 643,157
2 Claims. (Cl. 183—51)



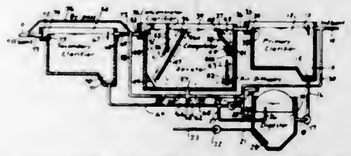
1. In a vacuum cleaner, a casing forming a compartment having an opening for the insertion and removal of a dust separating receptacle, a cover for said opening, an inlet conduit extending through said cover and projecting into said compartment, a dust receiving receptacle insertable into said compartment and comprising a rigid wall portion formed with an aperture conforming in size and shape to the outer surface of said conduit, a sheet of self-sustaining resilient material secured to said wall portion and overlying said aperture, said sheet being formed with slits defining tongues extending over said aperture, the tongues being integral with the sheet and normally lying in the plane of the sheet with adjacent edges in abutting relationship to substantially close said aperture, said tongues being displaceable out of the plane of said sheet by the insertion of said conduit in said aperture, the resilient material bending along lines defined by the edges of said rigid wall portion bounding said aperture and engaging the outer surface of said conduit to provide a seal between said surface and said wall portion, and a bag-like member of filtering material secured to said wall portion.

2,574,684
DOOR CONTROLLING MECHANISM AND LIMIT SWITCH
Boley A. Andrews, Kansas City, Mo., and George M. Pro, Kansas City, Kans., assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application March 24, 1947, Serial No. 736,684
4 Claims. (Cl. 200—47)



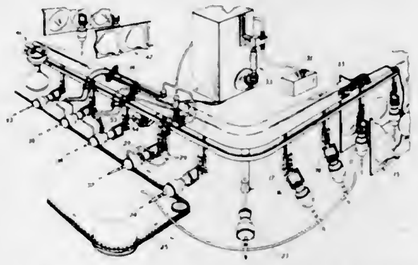
4. In actuating mechanism, a reciprocable carriage; an elongated flat spring extending from the carrier in parallelism with the path of travel thereof; stationary structure slidably receiving the spring; a spring coiled about the flat spring on opposite sides respectively of said structure for yieldably holding the carrier against reciprocation in either of two directions respectively; a rotatable element mounted on the carrier for reciprocation therewith; an elongated screw mounted for non-rotating reciprocation on its longitudinal axis parallel with the path of travel of the carrier, said screw being in screw-threaded engagement with said element and adapted at one end thereof for connection with apparatus to be actuated; a pair of spaced electric contacts on said carrier; an electrical conductor arm mounted for limited reciprocation on the carrier in parallelism with said axis of the screw and between the contacts; and a pair of opposed springs operably connected with said conductor arm for yieldably holding the latter against reciprocation with the carrier in either of two directions respectively.

2,574,685
SEWAGE TREATMENT SYSTEM
Robert R. Baxter and Martin A. Milling, Anderson, Ind.
Application September 21, 1946, Serial No. 698,436
11 Claims. (Cl. 210—8)



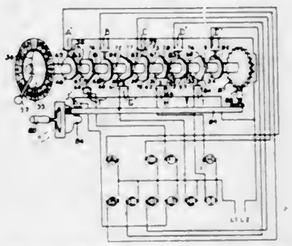
1. An improved activated sludge system for treating sewage comprising, in combination, a pair of chambers having a common partition wall and a common communication at their tops and bottoms, aerating means in one, the first chamber, the second chamber having means therein for effecting settling, sewage supply means connected to the first chamber, a discharge means from the second chamber, the aerating means being juxtapositioned to the bottom of the first chamber and near the upstream wall thereof, and having upwardly directed discharge arranged to effect cycle of the liquid contents of the first chamber for aeration and ejection purposes by causing the upward flow to continue at the upper level toward the downstream wall of the chamber, a weir disposed at the top of said common partition wall and providing the top communication between said first and second chambers, and positioned to effect the entrance over said weir of circulating mixed liquor from the first chamber into the second chamber, the bottom of the second chamber being inclined downwardly toward the first chamber and spaced apart from the bottom of said partition wall to form a bottom communication between the two chambers whereby settling solids are returned from the second chamber to the first chamber, said aerating means being disposed remote from the second chamber to effect downward movement of the liquid adjacent to and on both sides of the partition wall for effecting the removal of settling solids from the second chamber, and the continuous uniform mixing and circulation of these solids with the liquid contents of the first chamber.

2,574,686
METHOD OF IMPREGNATING ELECTRICAL COILS
Raymond L. Brown, Darien, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application August 26, 1948, Serial No. 46,262
1 Claim. (Cl. 117—43)



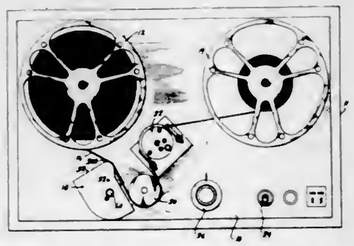
The method of coating and impregnating an electrical motor armature having wound coils portions of which are disposed in slots while the end portions are exposed comprising the steps of preheating the armature, positioning the axis of the armature in a substantially horizontal plane, rotating the heated armature about its axis, transversely moving the rotating heated armature across the path of a first pair of spaced streams of solventless impregnating and coating agent consisting of a mixture of a copolymer of an unsaturated polyester and styrene, directing said first pair of spaced streams of said solventless impregnating agent onto the exposed end portions of the coils of said armature to apply approximately 60% of the total coating, transversely moving the rotating heated armature across the path of a second pair of spaced streams of said solventless impregnating agent, directing said second spaced streams of said solventless impregnating agent onto said exposed end portions of said coils of said armature to apply approximately 20% of the total coating, transversely moving the rotating heated armature across the path of a third pair of spaced streams of said solventless impregnating agent, directing said third spaced streams of said solventless impregnating agent onto said exposed end portions of the coils to said armature to apply approximately 20% of the total coating, whereby the coating spreads in opposite directions to impregnate and coat the coils, and further heating the armature while rotating the same to set the coating on the windings.

2,574,687
CONTROL
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application September 7, 1946, Serial No. 695,532
3 Claims. (Cl. 175—335)



1. In a machine tool, nine solenoids adapted to be energized in different combinations of predetermined solenoids each to provide twenty different combinations; nine switches, one for each of said solenoids; a cam shaft adapted to be moved to twenty different angular positions in one revolution; four cams on said cam shaft, each having five effective portions so arranged that four of said switches are closed in succession five times during the movement of said cam shaft to its twenty positions; two cams on said cam shaft having effective portions for respectively maintaining two of said switches closed during the first and second eight positions to which said cam shaft can be moved; two additional cams on said cam shaft, each having effective portions for maintaining two of said switches closed alternately during the first, second, third and fourth four positions to which said cam shaft is adapted to be moved; and a single cam on said cam shaft having an effective portion for maintaining one of said switches closed during the last four positions to which said cam shaft is adapted to be moved.

2,574,688
SWITCH FOR USE WITH A PERFORATED TAPE
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application December 22, 1947, Serial No. 793,129
8 Claims. (Cl. 200—52)



5. A stop and reset switch for use in a device of the type wherein a lengthy medium having an

opening is caused to travel over a predetermined path, said switch having a tongue proportioned to be received in said opening; a housing positioned to bear against said medium and having a window in the portion in engagement with said medium to receive said tongue; a member positioned within said housing and operable to urge said tongue to an extended position relative to said housing; said member having a catch portion; a member mounted within said housing and operable when released to assume a predetermined position; switch elements operatively engaged with said last member for actuation upon movement of said member from a cocked position spaced from said predetermined position to said predetermined position; said last member being operable in said cocked position to engage said catch portion of said first member when said tongue engages said medium, whereby said last member moves from said cocked position to said released position when said tongue rides in said opening; and a reset member mounted within said housing assembly manually operative from without said housing to move said last member to said cocked position upon tripping thereof.

2,574,689

WINDING CRANK FOR CAMERAS

Alfred William Christ, Chicago, Ill.

Application June 10, 1949, Serial No. 98,330
13 Claims. (Cl. 74—546)



6. In a winding crank for movie cameras including a spring that is adapted to be wound by rotation of a winding element, the combination of: a crossbar, a plug adapted to be drivably fitted in a socket formed in said winding element, a ratchet element carried by said crossbar centrally thereof and having ratchet teeth on its outer end and formed with an axial passage terminating in a counterbore at its inner end, said counterbore opening onto the outer face of said crossbar, a complemental ratchet element carried by said plug, a pin on said last-mentioned ratchet element extending through said passage and having a head received in said counterbore, an expansion spring in said counterbore engaging said head and normally urging said ratchet elements into effective engagement, and an extensible arm pivotally mounted on said crossbar and adapted to engage said head to break the connection between said ratchet elements.

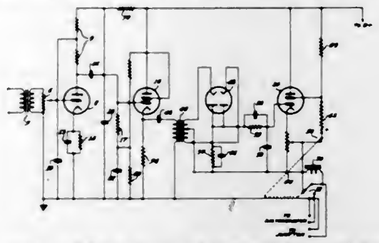
2,574,690

AMPLIFIER-RECTIFIER CIRCUIT

John F. Clark, III, Burbank, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application March 12, 1947, Serial No. 734,131
4 Claims. (Cl. 250—27)

1. A noise reduction amplifier-rectifier circuit comprising a load circuit, an alternating current amplifier, a rectifier connected to the output of said alternating current amplifier, a multigrid direct current bootstrap amplifier connected to the output of said rectifier, a high potential source for said direct current amplifier, and means connected between the screen grid of said direct current amplifier and said load circuit for producing a finite current in the output circuit of said direct



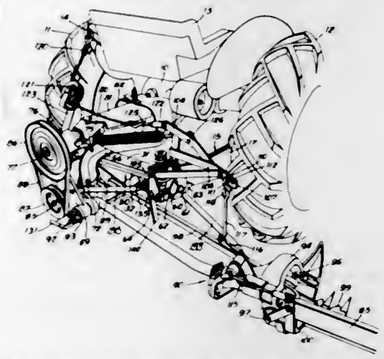
current amplifier when said direct current amplifier is driven to cut-off.

2,574,691

MOWER CUTTER BAR MOUNTING AND ADJUSTING MEANS

Wilbur J. Coultas and Nolan D. Colvin, Moline, and William B. Palmer, Rock Island, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application May 11, 1948, Serial No. 26,323
12 Claims. (Cl. 56—25)



1. A mower of the type adapted to be mounted on and dismounted from the drawbar of a tractor, comprising: a generally horizontal frame; means on the frame for connection to and disconnection from a tractor drawbar; means at the stubbleward side of the frame including depending structure; means extending grasswardly from the depending structure including cutting mechanism having a drag bar pivoted on a longitudinal axis to said structure and provided with a ground engaging shoe at its grassward end, a longitudinal drive shaft journaled in said structure, and a transverse pitman connected at its stubbleward end to said shaft; means carried by said structure including a support disposed below and in protective relationship to the stubbleward ends of the drag bar and pitman and providing means for engaging the ground to support the stubbleward end of the frame when the frame is dismounted from the tractor drawbar; and means carried by a grassward portion of the frame and depending rigidly therefrom to a terminal end portion spaced normally above the drag bar and effective to engage the drag bar at times during operation of the mower to provide a stop for limiting upward swinging of the drag

bar about the aforesaid longitudinal axis, said stop means further engaging the drag bar when the frame is dismounted from the tractor to provide means for supporting the grassward end of the frame from the ground through the medium of the drag bar and shoe.

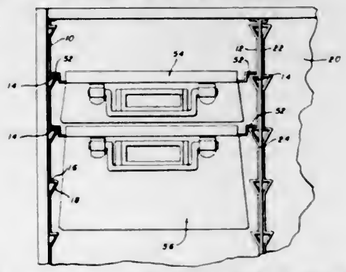
8. In an implement having a frame and an implement part carried by the frame for movement selectively from and to a first position toward which the implement part has an initial bias, the improvement comprising: a member associated with the frame for movement relative thereto in a first direction, in opposition to the initial bias of the implement part, and also in a second direction, in accord with the initial bias of the implement part; means connected between the member and the frame for biasing the member in its first direction and yieldable to accommodate movement of the member in its second direction; load-transmitting means having a connection between the member and the implement part and normally stressed between said member and part by the opposition of one bias to the other, said connection including releasable lost-motion means effective to provide for release of the load-transmitting means upon removal of stress from said load-transmitting means; first and second connection elements on the member and on the implement part separate from the connection of the load-transmitting means between said member and part; and force-transmitting means detachably connectible between said connection elements in parallel with the load-transmitting means and effective upon movement of the implement part toward its normal position to transmit force to the member to move the member in its second direction, said connection elements and force-transmitting means including motion-multiplying means to increase said second-direction movement of the member sufficiently to remove stress from the load-transmitting means so as to effectuate said releasable lost-motion means.

2,574,692

TOTE BOX AND RACK THEREFOR

Robert K. Davidson and William Bacon, North Woodbury, Conn.

Application August 3, 1946, Serial No. 688,238
3 Claims. (Cl. 312—345)



3. A rack comprising opposed vertical walls each provided with a plurality of horizontal guide rails disposed transversely opposite to each other and evenly spaced apart vertically, said walls being formed from planar material from which portions are bent horizontally out of said plane to form a guide rail and then downwardly at an angle toward said plane to form a brace for said guide rail, and means to rigidly brace said walls, said rails on one wall extending toward the other wall, in combination with a plurality of tote boxes each having similar transverse dimensions and comprising a rectangular bottom, two ends extending upward from two opposite edges thereof substantially equal distances amounting substantially to an even multiple of the distance said guide rails are spaced apart vertically, two sides extending upward from the other two opposite edges of said bottom, said sides being substantially the same height as said ends and sloping inward toward each other at their upper edges, a narrow substantially horizontal flange extending outward from the upper edge of each side, a guide flange extending upward from the outer edge of each narrow flange, the distance between the inner surfaces of said guide flanges being substantially equal to the width of the bottom of the box and less than the distance between the free edges of said guide rails of said rack, and a horizontal supporting flange extending a limited amount outward from each guide flange the distance between the outer edges of said supporting flanges being only slightly less than the distance between said vertical side walls of said rack, whereby said boxes may be selectively either pendantly supported from said guide rails of said rack by said supporting flanges slidably engaging the same or stacked vertically in snug alignment upon the narrow flanges of each other independently of said rack.

2,574,693

PRODUCTION OF SECONDARY ALIPHATIC AMINES FROM PRIMARY ALIPHATIC AMINES

Willem Frederik Engel and Han Hoog, Badhuisweg, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 10, 1948, Serial No. 32,274. In the Netherlands June 11, 1947
7 Claims. (Cl. 260—563)

7. A process for the production of a dialkyl amine which comprises contacting the corresponding alkyl amine in admixture with about 0.1 to about 5 mols of ammonia per mol of said primary amine with an aluminum oxide catalyst in a reaction zone at a temperature of about 275° C. to about 500° C. and a pressure of about 70 to about 750 pounds, thereby converting said alkyl amine to reaction products comprising said dialkyl amine and ammonia, separating a fraction comprising ammonia and a fraction comprising said dialkyl amine from the effluence of said reaction zone, and recycling at least a part of said fraction comprising said ammonia to said reaction zone.

2,574,694

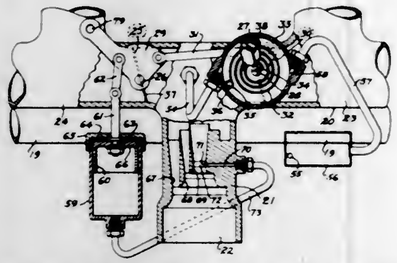
METHOD AND MEANS FOR FACILITATING ENGINE STARTING

George R. Ericson, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application March 5, 1945, Serial No. 581,097
8 Claims. (Cl. 123—52)

1. In combination with an internal combustion engine of the character described, having a cylinder air supply passage provided for the supply of combustion air only, to the cylinder, an intake valve in control of cylinder communication with the supply passage, control means in the passage effective solely in the period of engine cranking, such as to determine cylinder induction of air at high velocity toward the cylinder after opening of the intake valve, and intake valve operating means adapted to delay intake valve closure to a time following termination of the cylinder suction cycle, said control means acting in conjunction with the delayed intake

valve closure, to determine in the cylinder at the time of intake valve closure, a volume of



combustion air characterized by a pressure at least approximating atmospheric pressure.

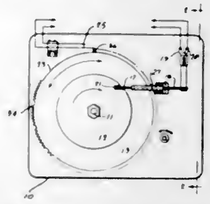
2,574,695
COMBINATION TONGUE AND BOX BUCKLE
William Ewanyk, Norwalk, Conn.
Application May 25, 1949, Serial No. 95,200
7 Claims. (Cl. 24—175)



4. In a belt buckle, the combination of a frame with two end members, one end member being adapted to have a stationary end of the belt secured thereon, the other, free end of the belt to be passed underneath the opposite end member, said buckle also having a tongue pivoted on said first end member and adapted to be passed through a selected hole in said free end of the belt to adjustably secure the same, and a cover having a sleeve whereby it is pivoted on said second end member, an open portion for said sleeve with a free edge underneath said cover, the outer free end of said tongue being adapted to press on the edge of said open sleeve portion when the tongue is engaged by said free belt end and thereby hold said cover in a position closed over said frame and said tongue, said free end of the tongue, however, not being long enough to reach any portion of said second member and to press thereon, the inner surface of said sleeve being flattened and a portion of said belt under said sleeve exerting an outward pressure on said flat surface when the tongue is engaged by said free belt end and the belt tightened, thereby additionally holding said cover in a position closed over said frame and said tongue.

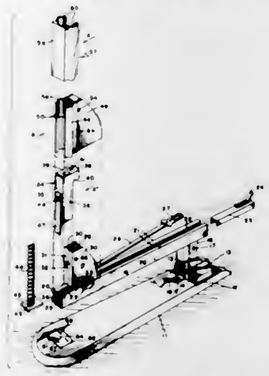
2,574,696
RADIO ALARM TRANSMITTING, RECORDING, AND SIGNALING SYSTEM
Paul E. Fischler, Buffalo, N. Y., assignor of one-half to John Nathanson, Buffalo, N. Y.
Application March 3, 1949, Serial No. 79,323
11 Claims. (Cl. 177—354)

4. In a radio transmitter of the type described wherein there are instrumentalities including a transmitting tube necessary to transmit a radio frequency carrier wave modulated with pulsed audio tones of a selected frequency, a motor, a first disc, impulse mechanism including a contact adjacent said disc and adapted to be operated by the rotation thereof, a second disc, a pivoted latch bar associated with said second disc and normally restraining both said discs from rotation, a manually operable actuating lever adapted to engage said latch bar and move the same to



release said discs for rotation by said motor and a contact actuated by said lever to control the application of filament voltage to the transmitter tubes.

2,574,697
STAPLING MACHINE
Abraham Goldenberg, Brooklyn, N. Y.
Application November 16, 1949, Serial No. 127,719
3 Claims. (Cl. 1—3)

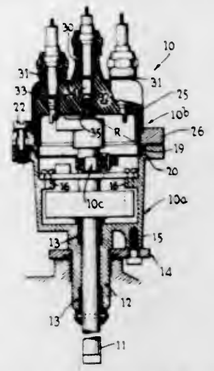


1. In a stapling machine of the character described the combination of a housing having front and side walls secured to the stapling machine, lugs formed upon and extending outwardly from the front wall of said housing, a hollow plunger slidably engageable against the front wall of said housing and formed with a longitudinal slot adapted to engage the said lugs upon the front wall of the said housing, a spring within said hollow plunger to urge same upwardly, a staple driver secured upon said plunger, an outer shell having open front ends, slidably engageable over said housing, removable pins engageable through said outer shell and housing to lock same together, and a closure member slidably engageable over the open front ends of the said outer shell and adapted to hold the said plunger in position.

2,574,698
AUTOMOTIVE DISTRIBUTOR
Raymond E. Hall, Glen Ridge, N. J.
Application September 16, 1948, Serial No. 49,527
2 Claims. (Cl. 200—19)

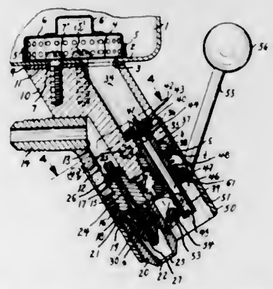
1. In an ignition distributor of the class described for internal combustion engines, wherein is contained a rotatable contact distributor arm arranged to revolve adjacent a series of distributor electrodes, in combination, a metallic shielding base member having an internal conical, peripheral chamfer on its open face, and a

metallic shielding cap member provided with a convex, pheripheral surface arranged to mate with said conical surface at the assembly of said base and cap members, said conical surface being



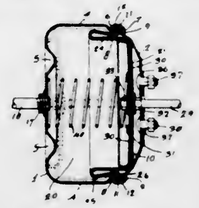
disposed at an angle normal to a line drawn thereto from the center of rotation of the distributor arm in the plane of the points of contact between the arm and the electrodes.

2,574,699
BEVERAGE DISPENSING VALVE
Frank R. Hassler, Kirkwood, Mo., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1947, Serial No. 778,653
10 Claims. (Cl. 277—3)



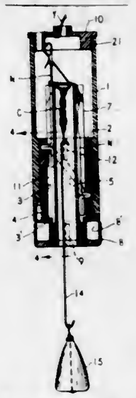
1. A valve for controlling the flow of fluids comprising a valve body having a first passage extending longitudinally therethrough and being constricted intermediate its ends in the provision of a valve seat, a tubular spout slidably mounted in and projecting from one end of said first passage and being provided on its inner end with a closure element for valve-forming co-operation with the valve seat, spring means for normally urging the spout outwardly with respect to the valve body, said valve body having a second passage extending therethrough, a tubular member mounted in and projecting from one end of said second passage and being provided at its inner end with a valve seat, a stem mounted in and extending through said tubular member, a valve poppet fixed upon the upper end of said stem for co-operation with the valve seat, a discharge nozzle slidably mounted on and projecting downwardly from the tubular member and being connected to the stem for movement therewith, an abutment on the spout, an abutment on the discharge nozzle, a tubular sleeve mounted upon the valve body, the sleeve having a skirt portion which extends below the end face of the valve body, a transverse partition loosely mounted in the sleeve and apertured for loosely clearing the spout and nozzle and engaging the abutments, and handle means for shifting the transverse partition upwardly in relation to the valve body for simultaneously lifting the spout, stem and the associated closure element and poppet for opening both of said passages and permitting the flow of fluids therethrough.

2,574,700
DIAPHRAGM POWER CHAMBER
Edward Knauss, Los Angeles, Calif., assignor, by mesne assignments, to Industrial Management Corporation, Los Angeles, Calif., a corporation of California
Application April 29, 1944, Serial No. 533,277
8 Claims. (Cl. 137—157)



1. A power actuator comprising in combination, a diaphragm having an outer flange with a bead formed around its periphery, a body member and a cover member to hold said diaphragm and adapted to be connected to different pressure sources, said members having the cooperating edges thereof formed to provide beads which engage said flange along its line of joinder with its bead, and a clamping ring to hold said members on opposite sides of said flange, said clamping ring having an inwardly faced channel to receive said beads of said members and said flange, and also covering said beads.

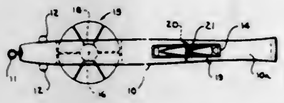
2,574,701
MACHINE FOR CROCHETING CORD
Morris M. Malis, Atlantic City, N. J.
Application August 20, 1949, Serial No. 111,427
4 Claims. (Cl. 66—8)



1. A machine for forming cords from yarn or the like, comprising a hollow body, a needle guide journaled for axial rotation therein having diametrically opposed needle receiving slots, a

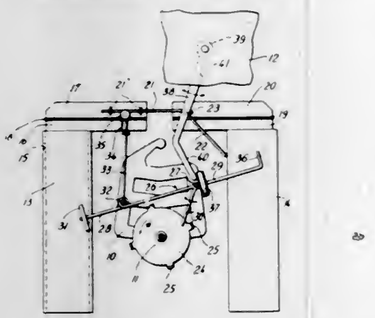
needle slidably positioned in each slot, means operative to reciprocate the needles when the guide is rotated relatively to the body, a removable cap closing that end of the body proximate the heads of the needles having a series of holes between its axis and periphery forming a sinuous path for the yarn effective to retard its passage therealong and thereby tension it as it is intermittently engaged by and drawn toward the needle guide by the needles.

2,574,702
FISH LURE
Wayne B. Moulton, Detroit, Mich.
Application March 16, 1949, Serial No. 81,819
5 Claims. (Cl. 43—42.12)



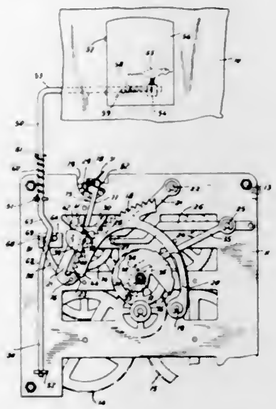
1. A fishing lure comprising a body having a head and a tail portion and formed of an upper section and a lower section joined longitudinally along adjacent faces, said body including a transverse slot adjacent the head portion thereof and a vertical slot adjacent the tail portion thereof, a rotatable wheel mounted in each of said slots for rotation therein, each of said wheels comprising a circular disc divided into a plurality of radial segments each of which is triangular in transverse cross section the base of each of said segments forming a face portion against which the pressure of the water is exerted to effect rotation of the said wheels when the lure is moved through the water, a line attaching eye secured in the head portion forward of said transverse slot and a plurality of depending hooks secured to the lower section of said body portion.

2,574,703
DEVICE FOR RELEASING ACOUSTICAL TIME SIGNALS IN CLOCKS
Wilhelm Hector Paül and Eugen Friedrich Trenkle, Furtwangen, Black Forest, Germany, assignors to Badische Uhrenfabrik G. m. b. H., Furtwangen, Black Forest, Germany, a corporation of Germany
Application August 19, 1950, Serial No. 180,371
In Germany August 27, 1949
15 Claims. (Cl. 58—12)



1. In a clock the combination of two sound-producers, a reciprocable member connected to the first one of said sound-producers and adapted to cause it to sound, a delayed-action means connected to said member and adapted to cause sounding of said second sound producer, and a control element operated by the movement of the clock in equal time intervals and adapted to reciprocate said member thereby to start the sounding of said first sound producer and the operation of said delayed-action means to sound said second sound producer a predetermined delay, after the beginning of the sounding of said first sound-producer.

2,574,704
MECHANISM FOR CUCKOO CLOCKS
Wilhelm Hector Paül and Eugen Friedrich Trenkle, Furtwangen, Black Forest, Germany, assignors to Badische Uhrenfabrik G. m. b. H., Furtwangen, Black Forest, Germany, a corporation of Germany
Application August 19, 1950, Serial No. 180,372
In France July 10, 1947
14 Claims. (Cl. 58—12)

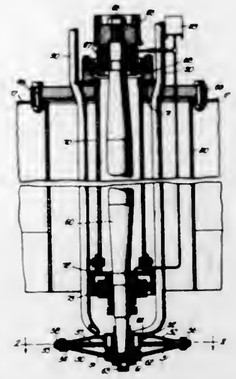


1. In a cuckoo-clock, the combination of a rack striking mechanism, a reciprocable member adapted to move a cuckoo-figure, a spring connected to said member and tending to urge it in the one direction, a shiftable member permanently bearing against said reciprocable member in said direction, means under the control of said mechanism and adapted to shift said shiftable member into an end position against the restraint of said spring, means to hold said shiftable member locked in said end position, and other means under the control of said mechanism to release said shiftable member from its locked position.

2,574,705
ATOMIZING APPARATUS
David D. Peebles, Hillsborough, Calif., assignor to Golden State Company, Ltd., San Francisco, Calif., a corporation of Delaware
Original application July 3, 1942, Serial No. 449,653. Divided and this application January 30, 1947, Serial No. 725,234
2 Claims. (Cl. 299—63)

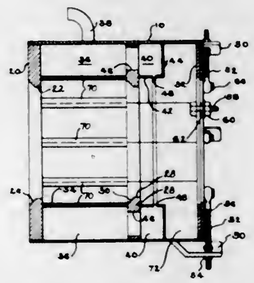
1. A centrifugal atomizing device adapted to be mounted on a rotary member, comprising top and bottom walls fixed to rotate with said rotary member and defining with said rotary member an annular material-receiving space therebetween, an annular member surrounding said space located between said walls and disposed

coaxially therewith, substantially straight elongated slots of relatively narrow width extending through said annular member and extending at an angle to the radius of said device and inclined toward the direction of rotation thereof, and a second annular member disposed inside



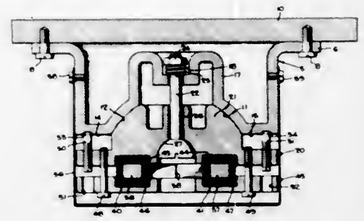
of and coaxially with said first-named annular member and having substantially straight, elongated slots of relatively narrow width extending at an angle to the radius of said device and in the direction opposite to the angular direction of the slots in said first-named annular member.

2,574,706
SEGMENTAL COATING SHOE FOR PIPE AND THE LIKE
Lewis Perrault, Tulsa, Okla., assignor to Perrault Bros., Tulsa, Okla., a partnership
Application August 4, 1947, Serial No. 765,881
5 Claims. (Cl. 91—30)



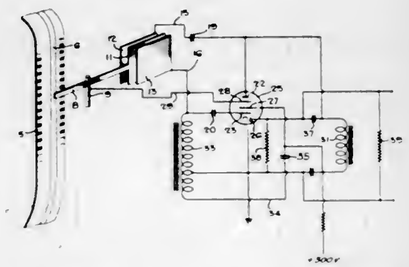
1. In a coating shoe comprising a plurality of arcuate sections hinged together in end to end relation forming an annular segmental housing adapted to encircle a pipe in spaced non-engaging relationship thereto, said housing comprising a plurality of baffled segmental compartments having communication therebetween, means for delivering coating material under pressure to said compartments, and annular slot means for discharging the coating material from said compartments onto the pipe and simultaneously over the entire surface thereof, an overflow recess in said housing adjacent the outlet means, an adjustable means adjacent the overflow chamber for maintaining a predetermined thickness of the coating material applied to the pipe.

2,574,707
MAGNETIC HEAD AND MOUNT THEREFOR
James L. Pettus, North Hollywood, and Frank E. Pontius, Los Angeles, Calif., assignors to Radio Corporation of America, a corporation of Delaware
Application December 29, 1948, Serial No. 67,892
5 Claims. (Cl. 179—100.2)



1. A magnetic head mounting structure, comprising a base having a spherical socket therein, magnetic head holding members, one of said holding members having a surface in contact with said socket surface and slidable in said socket, the other of said holding members being a clamping plate, a single resiliently mounted element passing through the center of said socket and one of said holding members to adjustably fasten said base to said holding members, and a plurality of screws spaced from said single element and passing through one of said holding members and contacting said base to orient and lock said member in position with respect to said base.

2,574,708
VIBRATILE PICKUP FOR MAGNETIC RECORDERS
Michael Rettinger, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application December 22, 1948, Serial No. 66,792
7 Claims. (Cl. 179—100.2)



1. A magnetic sound record reproducing system, comprising a ferromagnetic ribbon, means for advancing a magnetic record in a fixed plane past said ribbon, means for mounting a diaphragm on said ribbon, capacitance means positioned adjacent said diaphragm, said diaphragm and capacitance means having flat surfaces spaced from and parallel to one another, an oscillator-discriminator circuit, and means for connecting said diaphragm and capacitance means to said oscillator-discriminator circuit to translate variations in motion of said ribbon toward and away from said record into electrical currents having a linear relationship with respect to the variations in magnetism in said record.

2,574,709
GARMENT MARKER
Gerardo Rizzolo, East Orange, N. J.
Application June 18, 1948, Serial No. 33,852
4 Claims. (Cl. 33—9)



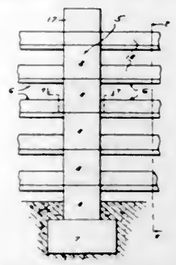
1. A device of the class described comprising a base, a standard mounted on and extending vertically upwardly from the base, a generally U shaped frame slidable vertically along the standard, said frame comprising a front leg adjacent the standard and a rear leg spaced from and substantially parallel to the front leg, said rear leg being longer than and extending beyond the top level of said front leg, means for clamping the front leg to the standard to maintain the frame in preselected vertical position with respect to the standard, a marker support pivotally connected to said front leg about a horizontal axis at the upper end thereof, and means for maintaining the support in a substantially horizontal position intermediate the legs, said support being swingable upwardly only about its pivotal connection with said front leg, the length of said standard being less than the length of said rear leg and the length of said front leg.

2,574,710
CLEANSING TISSUE PACKAGE AND METHOD OF PACKAGING
William C. Rodgers, East Orange, N. J.
Application January 9, 1948, Serial No. 1,286
1 Claim. (Cl. 206—46)



A cleansing tissue package comprising a sheath of the size of a conventional cigarette within which a cleansing tissue is contained, said contained cleansing tissue having a plurality of relatively narrow individual pleats substantially parallel to one edge of the tissue and each offset relatively to said edge, said individual offset pleats being out of superposed relation from one another, and said tissue further having a plurality of relatively narrow pleats at right angles to said first pleats and said edge, said sheath confining said resulting pleated tissue in a small rod-like form substantially the size of a conventional cigarette.

2,574,711
SECTIONAL PRECAST CONCRETE FENCE
Carl Rose, Miami, Fla.
Application November 9, 1950, Serial No. 194,781
4 Claims. (Cl. 256—19)



1. A precast concrete sectional fence that includes posts and a plurality of parallel precast concrete angle rails, the posts comprising a plurality of precast concrete blocks that are adapted to be superimposed one upon another, each block being notched upon the upper and lower edges of two opposite side walls for the seating reception of the terminal ends of opposed rails whereby the rails are maintained at an angle with their apex uppermost and a precast concrete cap block for the posts that is notched to have seating engagement over the uppermost rail.

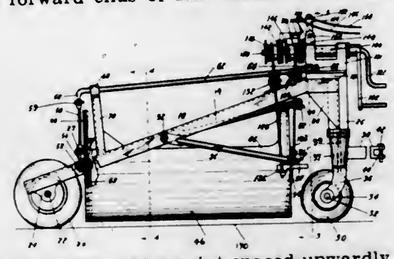
2,574,712
OPTICAL ADJUSTING MICROSCOPE
Lawrence T. Sachtleben, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1947, Serial No. 783,314
9 Claims. (Cl. 88—39)



2. A microscope to facilitate the alignment of one or more points on the primary image of one elongated object with one or more points on the primary image of another elongated object, the said objects being separated from one another perpendicularly to the lengths thereof, comprising means for obtaining light from said objects to form secondary images, means for viewing said secondary images, prisms positioned intermediate said last mentioned means and said images for displacing said secondary images in closer relationship to each other, said prisms being separated along the optical axis of the microscope and having their thin edges oppositely directed, each of said prisms covering approximately one-half the aperture of the objective and being independently rotatable about an axis perpendicular to its refracting edge and parallel to the optical axis of said viewing means to move said secondary images in the directions of their lengths.

2,574,713
CLAMSHELL EXCAVATOR OF THE CARRY TYPE
Jesse Sell, Elmwood, Nebr.
Application August 14, 1946, Serial No. 690,492
4 Claims. (Cl. 37—126)

1. An earth moving and excavating machine comprising a frame, means including wheels for supporting opposite ends of said frame above the surface of the ground, at least two of said wheels being disposed in parallelism with each other and in parallelism with respect to the direction of travel of said machine, oppositely disposed elongated clamshells forming a scoop, said clamshells being disposed in approximate parallelism with said parallel wheels and having ends disposed forwardly and rearwardly with respect to said direction of travel; a U-shaped member transversely disposed with respect to said two wheels and pivotally secured to said frame at its ends in a manner for swinging movement in a vertical plane; means including a pin pivotally securing the forward ends of said clamshells to said U-



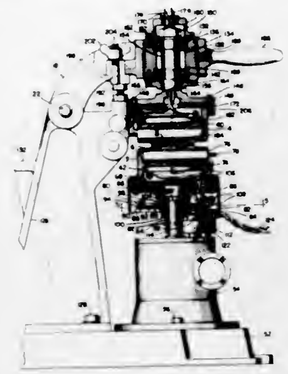
shaped member at a point spaced upwardly from the lowermost portions of said clamshells; a second pin pivotally securing the rearward ends of said clamshells together at a point spaced upwardly from the lowermost portions of said clamshells, said clamshells having lowermost longitudinal edges adapted to abut one another for closing the bottom of said scoop at desired times; means attached to said second pin for raising the rearward ends of said clamshells with respect to said frame in response to upward movement of the forward end of said clamshells with respect to said frame; and means for causing said clamshell members to open and close with respect to each other and to raise and lower with respect to said frame.

2,574,714
METHOD OF FORMING A FLEXIBLE COIL CLUTCH
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application December 3, 1948, Serial No. 63,362
2 Claims. (Cl. 29—152)



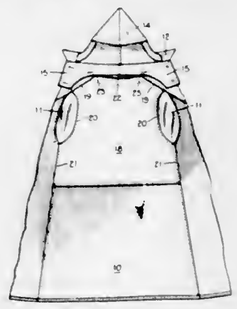
1. The method of forming a flexible coil type clutch having an energizing portion and a load transmitting portion, comprising the steps of reducing the wall thickness of a tubular member on the energizing portion leaving a shoulder on the load transmitting portion, forming a load transmitting spline in the shoulder, tapering the wall thickness of the energizing portion of said tubular member for a limited distance adjacent the energizing portion end, circumferentially slotting the wall of the tubular member on the energizing portion to form a spiral of adjacently disposed coils of varying widths with the narrowest coils adjacent the energizing portion end of said tubular member and the wider coils adjacent said spline, and longitudinally slotting the splined load transmitting portion of the tubular member between its outer end and said first named slot to permit radial contraction and expansion of the entire tubular member.

2,574,715
MOBILOMETER
Lothar A. Sontag, North Tonawanda, N. Y., assignor to Durez Plastics and Chemicals, Inc., North Tonawanda, N. Y., a corporation of New York
Application April 19, 1947, Serial No. 742,626
8 Claims. (Cl. 73—15.4)



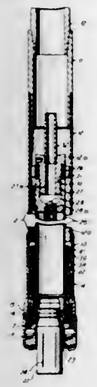
1. In a system for measuring the rate of change of the physical properties of a heat curable resin during the curing process, apparatus comprising a first rotatably-mounted plate having an exposed horizontal surface, a second plate having a horizontal surface opposed and spaced from the horizontal surface of said first plate, the space between said surfaces being adapted to receive a sample of the resin to be tested, motor means for moving said first plate relative to said second plate, means for heating at least one of said plates to cure said resin, and means operating throughout the curing process for measuring the rate of change in the force communicated through said resin to said upper plate.

2,574,716
COAT
Lee Spatz, New Rochelle, N. Y.
Application January 8, 1949, Serial No. 69,900
5 Claims. (Cl. 2—84)



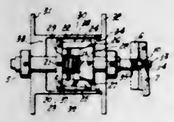
1. In a garment of the class described, an outer back panel, a lining panel fitted inwardly against said outer back panel, a hood secured to said back panel, there being a space between said outer back panel and said lining panel into which said hood is folded through an opening between the back panel and lining panel, and a collar secured to said back panel outwardly of said hood.

2,574,717
CORING APPARATUS
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 13, 1948, Serial No. 64,924
10 Claims. (Cl. 255—72)



1. In a coring apparatus, an outer barrel, a core bit threaded onto the lower end of said barrel, an inner core-receiving barrel extending axially within the barrel, and a bearing assembly supported within the core bit and including an elongate sleeve extending upwardly and encircling the lower portion of the inner barrel, bearing means between the sleeve and inner barrel for rotatably suspending said inner barrel within the outer barrel, and means for sealing the space between the sleeve and barrel above the bearing means to protect the bearing means from contact with fluid circulating downwardly around the exterior of the inner barrel.

2,574,718
FISHING REEL
Robert C. Swigerd, Los Angeles, Calif.
Application December 6, 1949, Serial No. 131,340
2 Claims. (Cl. 242—84.5)

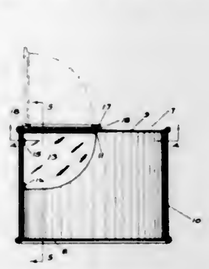


1. In a fishing reel having a frame including end plates, a shaft seated for rotation in said frame and extending from one end thereof, a spool rotatably mounted on the shaft within the frame, a bracket on the shaft, brake shoes pivotally hung on said bracket for contact with the inner surface of the spool, a plunger slidable within the shaft, a cam on the shaft engaging the inner end surfaces of said brake shoes and operatively connected for inward sliding movement with said plunger to move said brake shoes against the surface of the spool, a spring between the brake shoes urging movement thereof against said cam, a crank mounted on the outer end of the shaft for oscillating movement relative thereto, and means interconnecting said crank with the said plunger to impart axial movement to the plunger in response to oscillation of the crank.

2,574,719
PROCESS FOR THE MANUFACTURE OF RUBBER ARTICLES
Rebecca O. Teston, Glenbrook, Conn., assignor to Eastern Rubber Specialties, South Norwalk, Conn., a corporation of Connecticut
No Drawing. Application June 24, 1948, Serial No. 35,057
1 Claim. (Cl. 18—58.6)

The process of forming hollow rubber articles that comprises dipping a form into a suspension of powdered stearic acid in water, drying the form so as to leave thereon a film of powdered stearic acid that is gas impervious and lubricating, said film being extremely thin so as not to affect appreciably the outer detail of the mold surfaces and the resulting detail of the hollow rubber article, coagulating on said film covered form a coating of latex, drying the latex coating while maintaining the said latex coating at a temperature at which the stearic acid film tends to melt and to become very slippery, and stripping the latex coating off said form while the said stearic acid film is present between said mold and article and is in said slippery condition.

2,574,720
VACUUM PACKED CONTAINER AND DISPENSING MEANS FOR THE CONTENTS THEREOF
Allan E. Trout, Fresno, and Victor P. Oneto, San Francisco, Calif.
Application August 12, 1949, Serial No. 109,972
1 Claim. (Cl. 222—541)



A device of the character described comprising a container capable of retaining vacuum packed products therein, a scored portion in the top of the container providing a weakened area capable of being broken to form an opening in the top of the container, a pouring spout depending from the top of the container within said weakened area and movable through the said opening, a cover fixed to the top face of the container within said scored area, the said cover having a configuration conforming to the said scored portion and capable of fitting into and closing the said opening.

2,574,721
MAGNETIC BALL ACTIVATOR
Walter Von Stoeser, Chicago, Ill., assignor to Raymond T. Moloney
Application November 6, 1948, Serial No. 58,680
3 Claims. (Cl. 273—119)

2. In game apparatus having an inclined ball-rolling surface upon which a magnetically-attractable ball is to be launched, ball-activating means comprising: a pair of normally open switches beneath said surface, a ball-operated actuator for each said switch, said actuators being disposed in spaced relation in a direction transversely of the inclination of said surface, an electromagnet having a pole situated to propagate a ball-attracting field in and above said surface at a locale below said actuators with reference to the inclination of said board and



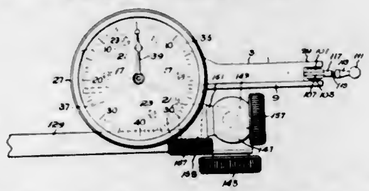
approximately equidistant therefrom, and in such proximity thereto as to attract a said ball to said locale from a position at either said actuator, said switches being connected in parallel for operation respectively to connect energizing power to said electromagnet.

2,574,722
HOLDING DOWN CLAMP FOR PRESSES AND IRONING BOARDS
Perry L. Abbott, Seaside, and Oral G. Grove, Beaverton, Oreg.
Application January 26, 1950, Serial No. 140,586
1 Claim. (Cl. 38—108)



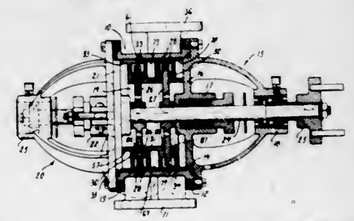
A pleat clamping device for fitting on an ironing board, comprising a bar for extending across a board, said bar having slots, adjustable stops adjacent the ends of the bar for fitting under the board, a clamp member longitudinaly beneath said bar and between said stops, said clamp member having vertically extending lugs which project through the slots formed in the bar, springs interposed between the bar and the clamp member, said springs being normally tensioned to draw the clamp member toward the bar, and a cam lever pivoted to the bar and contacting with the clamp member to depress the clamp member against pleats in opposition to the tension of the springs.

2,574,723
GAUGE
Warren Ames, Newton, Mass., assignor to B. C. Ames Co., Waltham, Mass., a corporation of Massachusetts
Application December 2, 1944, Serial No. 566,277
2 Claims. (Cl. 33—172)



1. A gauge of the character described having, in combination, a dial indicator mechanism unit comprising a cooperating dial and indicator hand and multiplying gearing for moving said hand, a casing supporting said dial and hand and housing said gearing, said gearing comprising a driving spindle extending through the wall of said casing to the exterior thereof, which spindle carries a gear at the exterior of said casing for rotating said spindle; a support having a cavity provided with an opening leading to the exterior of said support; means for detachably securing said casing to said support with said spindle extending through said opening to position said gear within said cavity; said cavity also being provided with a second opening leading to the exterior of said support; a contact feeler and lever carrying said feeler adapted to be detachably secured to said support as a unit, with said lever extending through said second opening into said cavity; motion transmitting means for operatively connecting the portion of said lever within said cavity to said gear, which means comprises a second gear adapted to mesh detachably with the first mentioned gear and also comprises a spring for urging said second gear in one direction, said motion transmitting means and said lever being formed to provide a non-positive detachable contact between them for causing said lever to transmit its motion to said means, a mounting carrying said motion transmitting means as a unit therewith, and means for detachably securing said mounting to said support with the motion transmitting means within said cavity; whereby the three enumerated units may be separately made and assembled and attached to said support in cooperating relation, and may be separately removed from said support independently of each other.

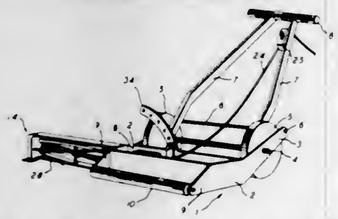
2,574,724
MULTISTAGE ROTARY PUMP
Millard H. Baker, St. Louis, Mo., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application July 31, 1948, Serial No. 41,831
1 Claim. (Cl. 103—96)



In a two-stage pump, a housing formed as a single casting and having a cylindrical bore open at its ends, a fluid inlet passage having ports opening to said bore, a fluid discharge passage having a port opening to said bore in a zone thereof axially offset from the inlet ports and angularly spaced therefrom by approximately a right angle, and a transfer passage having an inlet opening to the bore in a zone thereof diametrically opposite but axially offset from the zone containing said port of the discharge passage, said transfer passage further having outlets opening to the bore in a zone thereof on the side of the bore diametrically opposite the side containing said ports of the inlet passage; removable body and cover members closing the open ends of said housing bore, a shaft rotatably supported by said members and extending axially through said bore, a pair of bucket impellers fixed on said shaft in the bore, a center ring mem-

ber and opposite side ring members all disposed in said housing bore and retained therein between said body and cover members; said center ring member and one side ring member forming an impeller channel for one of said bucket impellers and providing channel inlet port means in communication with said ports of the housing inlet passage, and a channel outlet port in communication with said inlet opening of the transfer passage; said center ring member and the remaining side ring member forming a second impeller channel for the other bucket impeller and providing inlet port means for the second channel, communicating with said outlets of the transfer passage, and an outlet port for the second channel, communicating with said port of the housing discharge passage; the first said channel and its impeller providing the first or low pressure stage of the pump and the said second channel and its impeller providing the second or high pressure stage of the pump; said center and side ring members providing annular lands in a running seal with the impellers radially inwardly of the buckets thereof, and being open radially inwardly of said annular lands thereof to form a leakage chamber about the shaft in said housing bore and extending axially between said body and cover members, the portions of said impellers extending in said leakage chamber being provided with openings transversely therethrough; and said leakage chamber being flooded during pump operation, with the leakage fluid therein subjected to the pressure differential obtaining between the high and low pressure stages of the pump, such as to result in fluid circulation in the leakage chamber in the direction of the low pressure stage of the pump.

2,574,725
LAWN MOWER HAVING A SLIDABLE AND TILTABLE REEL
George D. Berdan, Fort Worth, Tex.
Application July 12, 1948, Serial No. 38,216
2 Claims. (Cl. 56—26)



1. In a lawn mower, a frame supported on wheels, a support pivotally secured to the said frame at one side thereof, a power driven reel type mower unit slidably secured on said support for movement along the axis of said mower unit, said unit including a motor mounted on said support, an inverted U-shaped bracket secured to the said motor base, a reel type cutter journaled in the legs of the said bracket and coupled with the said motor, and a knife bar between the legs of the said U-shaped bracket for coaction with the said cutter.

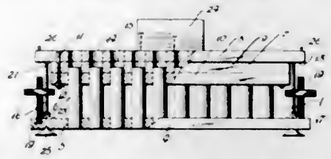
2,574,726
KNOB SET PRIVACY LATCH
Frank Ellison Best, Indianapolis, Ind.
Application January 31, 1948, Serial No. 5,599
1 Claim. (Cl. 292—359)

In a privacy latch set, the combination of elements comprising a knob, a spindle, a rose, a spindle locking plate, a spindle opening in said locking plate, a spindle clearance portion of said opening and a spindle locking portion of said opening, a spring walled spindle lock bounding said spindle opening and a thumb piece connected to said locking plate, said locking plate being slideably housed relative to said spindle



beneath said rose, and being manually positionable selectively with each of said portions of said opening contiguous with said spindle, said spring walled spindle lock normally locking said spindle against rotation when the spindle locking portion of said opening is contiguous therewith but forceably releasable when abnormal rotary torque is applied to said spindle.

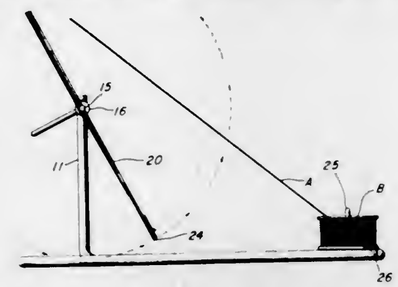
2,574,727
PHARMACEUTICAL CAPSULE SIZING DEVICE WITH VOLUMETRIC CAPACITY VARYING MEANS
George A. Burkett, St. James, Manitoba, Canada
Application February 9, 1948, Serial No. 7,103
1 Claim. (Cl. 226—40)



A pharmaceutical capsule sizing device comprising in combination with a capsule retaining plate, a spreading table having a surrounding over-hanging shoulder provided with a set of material receiving, open-ended apertures therein, a set of outstanding, plate-mounted plugs engageable with said apertures, said plugs and apertures thus constituting wells, means for moving said plugs relative to said apertures to vary the depth of said wells and hence the volumetric capacity thereof, said means for moving said plugs consisting of at least two multi-point jacking assemblies mounted on said plug plate, each assembly embodying a substantially vertical, externally screw-threaded stud, a pair of fulcrum levers, and an actuating component on said stud, said fulcrum levers taking the form of bell-cranks, and including initiating arms engageable with said actuating component and bearer arms engaging with the interfacing surface of said surrounding shoulder, and means for transferring the contents of said wells into capsules, said means comprising a multi-apertured funnelling plate insertable between said capsule retaining plate and said spreading table.

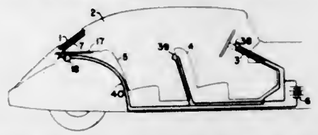
2,574,728
SURGICAL REEL DEVICE
Gordon E. Caraway, Dallas, Tex.
Application October 3, 1949, Serial No. 119,354
4 Claims. (Cl. 242—104)

1. A surgical reel device including, an elongate base, an upright post at one end of the base, a shaft mounted to rotate in said post, a crank handle on said shaft, said shaft having opposite



inclined notches, and an elongate reel frame having resilient crimps at its medial portion engaging in said notches.

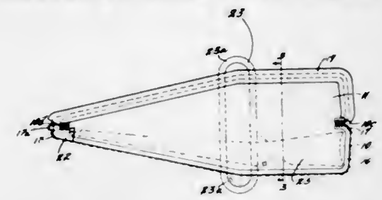
2,574,729
REMOTE-CONTROL BLIND OPERATOR FOR MOTOR VEHICLES
Clifford C. Coffman, Dallas, Tex.
Application July 15, 1949, Serial No. 104,853
2 Claims. (Cl. 268—96)



1. A remote control operator for a louver type blind mounted in the rear window of an automobile having a rear deck where said blind is comprised of pivotally mounted horizontal slats hingedly connected with each other for operation in unison, said remote control operator comprising: a reversible motor mounted beneath said rear deck and within said automobile beneath said louver type blind, a laterally projecting oscillatable arm supported on and operated by said motor, a substantially vertical actuating rod extending through said rear deck and pivotally connected at its upper end to at least one of said horizontal slats outwardly of the axial center therof, a hinged bracket having openings through each of its hinged parts and arranged substantially perpendicular to each other for slidably and adjustably securing said arm and said rod in the respective said openings, means energizing said motor and switch means located convenient to the driver's seat of said automobile for reversibly controlling said motor.

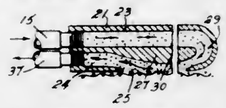
2,574,730
GUN CASE
John E. Crew and Charles P. Wilbert, Minneapolis, Minn.
Application February 27, 1947, Serial No. 731,312
2 Claims. (Cl. 224—2)

1. A gun case comprising an elongated sheet of flexible fabric material, such as canvas, having sides tapering into close proximity adjacent one end thereof, said sheet being arranged to be placed in substantially flat position and being foldable about a substantially central longitudinal line, hookless fasteners secured along the edges of said sheet, a layer of fabric of comparatively small longitudinal dimension secured to one side of said sheet at its smaller end having a free edge and forming a pocket adapted to receive the end of a gun barrel, whereby a gun, such as a rifle or shotgun, can be laid on said sheet at one side and said sheet folded about the same and closed by said hookless fasteners to form a casing enclosing said gun whereby said



gun can be lifted from said case when in open flat position by movement perpendicular to said case and said gun can be laid on said opened case and said case folded over the same and said case can be opened in flat condition to be brushed or cleaned and/or dried.

2,574,731
APPARATUS FOR DRY CLEANING
William R. Dapprich, Pittsburgh, Pa.
Application April 19, 1946, Serial No. 663,400
8 Claims. (Cl. 68—18)

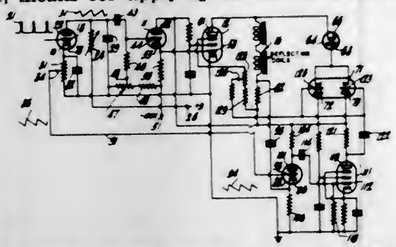


5. Apparatus for dry-cleaning comprising means for supplying a dry-cleaning liquid, means for atomizing said dry-cleaning liquid, means connecting said supply means with said atomizing means, a cleaning head having a work-engaging opening and a fluid intake and fluid exhaust, means connecting said atomizing means with the fluid intake of said cleaning head, a blower having an intake and an exhaust, a condenser, means connecting the gaseous side of said condenser to the intake of said blower, a filter, means connecting the condensate side of said condenser with said filter, means connecting said filter with said supply means, means connecting the exhaust side of said blower with said atomizing means, and a conduit connecting the fluid exhaust of said cleaning head with said condenser, said cleaning head including a Venturi element constructed and arranged to provide a low-pressure area adjacent the work-engaging opening therein.

2,574,732
AUTOMATIC CONTROL FOR WAVE FORMS
Bethel Edward Denton, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1949, Serial No. 84,836
9 Claims. (Cl. 315—27)

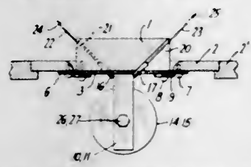
1. A system for maintaining a desired wave form comprising an electric wave source, utilization apparatus operating under control of said wave, an electronic tube having at least a cathode, an anode and a control electrode, an anode circuit for said anode, means for coupling said anode circuit to said utilization device, a wave comparison device, means for applying an electric wave from a source of waves of standard wave form to said comparison device, means for applying a wave from said utilization apparatus

to said comparison device effectively in opposite phase relationship to the wave applied from said wave source, said comparison device having means for deriving a differential effect, means for applying said differential effect to the anode circuit of said tube, a branch circuit for said utilization apparatus, a second wave comparison device, means for applying an electric wave from



said source to said second comparison device, means for applying a wave from said utilization circuit to said second comparison device in opposite phase relationship to the wave applied from said wave source, said second comparison device having means for deriving a differental effect, and means for applying said differential effect to said branch circuit.

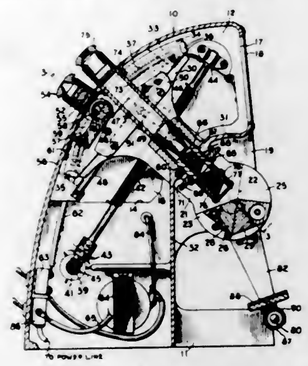
2,574,733
TAPE ANTENNA SYSTEM
Charles N. Ehrlich, New York, N. Y., assignor to Tele-Tone Radio Corporation, a corporation of New York
Application April 16, 1949, Serial No. 87,993
6 Claims. (Cl. 250—33)



1. Antenna system comprising at least one conducting tape having two positions, an inoperative one in which the tape is wound up into a coil and an operative one in which the tape is wound off at least partly to extend into space, a housing for said tape; and a contact member formed of a flat stamped metal blank, said member having a flat lower portion attached to one side wall of the coil housing and a flat upper portion extending perpendicular to said side wall portion so as to be attachable to a surface perpendicular to the coil, an angular extension being provided on said perpendicular portion having projections engaging the tape when emerging from the coil housing, said projections having bent over edges engaging corresponding edge portions of the tape in sliding contact relationship.

2,574,734
ABBÉ TYPE REFRACTOMETER
John W. Forrest, Brighton, and Raymond F. E. Stegeman, Greece, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 20, 1949, Serial No. 105,682
3 Claims. (Cl. 88—14)

1. A refractometer comprising an upright housing having an inclined wall and providing an interior chamber extending from top to bottom of the housing, an arm pivoted at one end about a lateral axis on the housing, the free end of said arm being movable in said chamber and extending toward said inclined wall, a scale on said free end, lens means held in said wall in optical alignment with said scale for reading the scale, a specimen holding prism carried by the arm near said axis, a prism tube mounted to rotate on its own axis in the housing adjacent said prism, means for rotating said tube, Amici type prism means fixed in said tube in optical



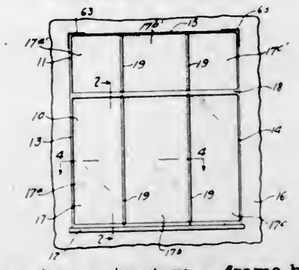
alignment with the prism, a stationary telescope projecting outwardly through said inclined wall and optically aligned with the prism and Amici prism means for viewing the refracting characteristics of a specimen held on the prism, an adjustment knob rotatably mounted in the lower part of said housing, a rotatable screw member operatively connected to said knob and extending upwardly through said chamber across said arm, a nut threaded on said screw member, said nut being operatively connected to said arm whereby the arm may be moved by rotation of the knob to vary the position of the specimen holding prism.

2,574,735
CUTTER BIT FOR MINING MACHINES
Albert H. Genter, Mount Lebanon, Pa.
Application January 30, 1948, Serial No. 5,458
1 Claim. (Cl. 262—33)



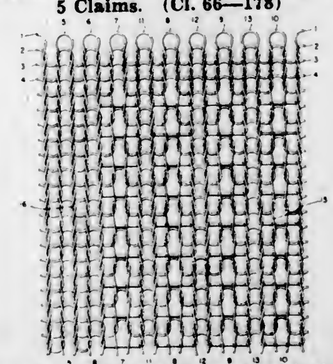
A coal cutting bit designed for mounting in the chain blocks of a coal cutting machine the blocks of which are provided, to receive the bit, with throats disposed at substantially right angles to the face of the coal seam to be cut, said bit being formed of a steel bar of rectangular cross-sectional shape, and said bit being provided adjacent each of its ends but at opposite longitudinal edges of the bar with a triangular re-entrant notch extending inwardly to approximately the longitudinal axis of the bit, the two defining walls of each notch diverging outwardly and the outer defining wall of the notch merging at an acute angle at its outward end with the end of the adjacent end wall of the bit to form a cutting edge, said end wall of the bit extending from the cutting edge, being backed off or inclined toward the longitudinal center of the bit to lessen the drag during the cutting operation.

2,574,736
MULLION STRIP
Leonard Gerow, Temperance, Mich.
Application January 18, 1946, Serial No. 641,989
6 Claims. (Cl. 20—52)



1. In a window structure, a frame having laterally spaced pairs of upper and lower horizontally disposed guides, window panels slidably mounted respectively in said guides, a vertically disposed mullion strip having oppositely facing panel engaging recesses for engaging a vertical edge portion of one panel and the opposite vertical edge portion of the other panel, and pivot means between said panel engaging recesses and disposed at the upper and lower ends of said mullion strip enabling rocking movement thereof about a vertical axis to a position lying wholly between the panels, thereby to afford unobstructed sliding movement of the panels.

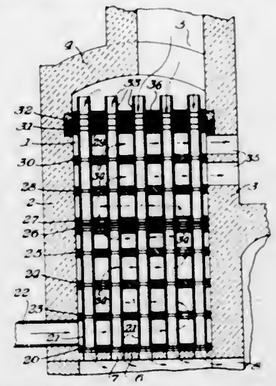
2,574,737
ELASTIC STOCKING AND THE LIKE
Frederick V. Goodchild, Philadelphia, Pa., assignor to Chesterman-Leeland Co., Philadelphia, Pa., a corporation of Pennsylvania
Application January 7, 1950, Serial No. 137,438
5 Claims. (Cl. 66—178)



1. An elastic bandage the main or body portion of which is formed by knitting a highly elastic yarn in ordinary stitch formation, and having fashioning areas at desired locations in which a similar yarn is employed but in which draw stitches are employed, said draw stitches being formed by floating said highly elastic yarn in certain courses between wales of ordinary stitches and interknitting said highly elastic yarn in the other wales in loops extending over at least two courses.

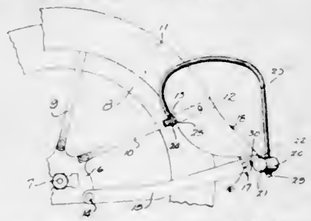
2,574,738
RECUPERATOR TILE STRUCTURE
Frank H. Graham, Edgewood, and Edwin G. Smith, Mount Lebanon, Pa., assignors to Amsler Morton Corporation, Pittsburgh, Pa., a corporation of Delaware
Application February 26, 1949, Serial No. 78,644
4 Claims. (Cl. 263—20)

1. A refractory tile recuperator structure assembled in a refractory lined chamber, consisting of a series of vertically spaced horizontal tile courses each of which is made up of a series of flat interengaged quadrilaterally disposed flue blocks, with filling blocks including center blocks, edge blocks and corner filling blocks cemented together with the flue blocks in vertical alignment, vertically disposed tubular flues connecting subjacent flue blocks and cemented to provide independent horizontal passes and vertical flues, filling blocks at selected ends of each horizontal course being omitted to connect the horizontal



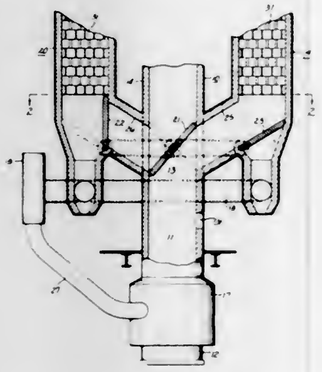
passes forming a zigzag path from the bottom of the recuperator to the top, and a separate and additional duplicate horizontal tile course having upwardly extending tubular flues above the flat tile of the course and cemented thereto, said separate and additional course mounted directly on and coordinated with one of the horizontal courses of the series without being cemented thereto for permitting the removal of said separate and additional course and the tile structure thereabove without disturbing the tile structure therebelow.

2,574,739
MOTORCYCLE REAR BUMPER, FENDER, AND STAND ASSEMBLY
William J. Harley, Milwaukee, Wis., assignor to Harley-Davidson Motor Co., a corporation of Wisconsin
Application May 9, 1949, Serial No. 92,232
9 Claims. (Cl. 293—61)



1. In a motorcycle having a frame fork, a fender and fender brackets supported from the frame fork, the combination with a transverse bumper and resilient supporting means therefor, said supporting means receiving support from the fender and fender brackets, a thrust receiving member supported from the frame fork and from which said bumper is normally spaced, the said bumper transmitting initial impact shock to the fender brackets and engaging said thrust receiving member upon the occurrence of a predetermined movement of said bumper to transfer further impact shock to the frame fork.

2,574,740
HEATED BLAST CUPOLA
Chester A. Hartman, Cleveland Heights, Ohio, assignor to Mechanite Metal Corporation, a corporation of Tennessee
Application February 11, 1948, Serial No. 7,552
3 Claims. (Cl. 263—15)



1. A shaft furnace comprising, a substantially vertical furnace having a combustion section, a gas header section above said combustion section, a first and second thermal energy storage chamber positioned above said gas header section, a first gas duct interconnecting said gas header section and said first storage chamber, a second gas duct interconnecting said gas header section and said second storage chamber, air blast means directing heated air under pressure in one direction of flow into said combustion section, first air duct means interconnecting said first storage chamber and said air blast means, second air duct means interconnecting said second storage chamber and said air blast means, and valve means having a first position to open said first gas duct and close said second gas duct and simultaneously open said second air duct and close said first air duct, said valve means having a second position to open said second gas duct and close said first gas duct and simultaneously open said first air duct and close said second air duct, whereby a selected one of said thermal energy storage chambers will be heated by gases from the furnace chamber and the other will heat air entering the air blast means.

2,574,741
MODIFIED MELAMINE RESINS
Richard H. Hunt, Jr., and Theodore P. Malinowski, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 25, 1950, Serial No. 151,988
9 Claims. (Cl. 260—21)

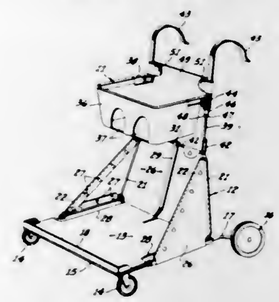
4. A coating composition comprising an organic solvent solution of a mixture of a compound taken from the group consisting of drying oils, semi-drying oils and saturated alkyd resins modified with said oils, and a heat reaction product of 1 mol of a methylol melamine containing from 3–6 methylol groups with from 4–8 mols of an aliphatic saturated monohydric unsubstituted alcohol containing from 1–8 carbon atoms and from 0.5 to 3 mols of dicyclopentadiene.

2,574,742
WINDOW STRUCTURE
Augustine John Kiefer, Pittsburgh, Pa.
Application April 30, 1946, Serial No. 665,965
1 Claim. (Cl. 20—52.2)



A window sash attachment comprising opposed stiles in the form of inwardly open channels constructed to be secured to a permanent window frame, a bar of T-shaped cross section dividing each of said channels into like vertical cavities with the T-head bar being shorter than the depth of the channel to form a stop, an auxiliary stile mounted in each cavity and each having a bead to fit and guide a window sash, resilient means to urge said auxiliary stiles outwardly of the channel against a window sash, an offset shoulder on each of the adjacent sides of the auxiliary stiles in each channel which offset shoulders mate in pairs to lie against each other to seal and form a sectional parting strip, and a flange extending from adjacent the rear edge of each auxiliary stile and in alignment with its offset shoulder, said offset shoulder and flange of each auxiliary stile cooperating with said T-head stop to limit the inward and outward movement of the auxiliary stile in the channel.

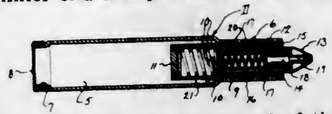
2,574,743
CHILD'S PERAMBULATOR AND AUTO SEAT
William Perry King, Los Angeles, Calif.
Application July 8, 1946, Serial No. 682,107
7 Claims. (Cl. 155—41)



1. In a perambulator, an ambulatory base including a platform and spaced side walls pivotally mounted thereon and adapted to collapse thereagainst, and a child's seat unit removably positioned on said side walls, spaced above said platform to permit placement of packages on the latter and including means to retain said walls upright and upwardly extending handles adapted to function as supports when positioned on an auto seat.

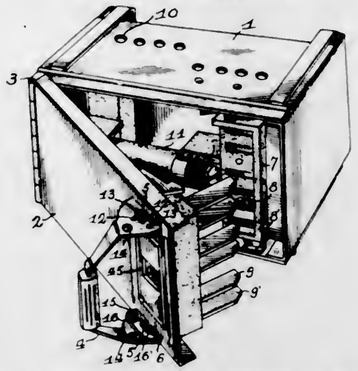
2,574,744
LUBRICATOR
Henry J. Koepke, Waukesha, Wis.
Application March 31, 1950, Serial No. 153,230
2 Claims. (Cl. 222—531)

1. A dispenser for a lubricant comprising a container for the lubricant, a cylinder closed at its inner end having a port communicating with the container, a plunger sleeve mounted for reciprocatory movement within the cylinder terminating in a nozzle having a restricted outlet extending beyond the cylinder, spring means normally urging the plunger sleeve and nozzle outwardly beyond the port, a bushing mounted for movement with the plunger sleeve having a closed inner end and provided with longitudinal



channels connecting the inner end of the cylinder with the nozzle, and a valve including a cylindrical body slidably mounted within the bushing and a needle point for the nozzle, and spring means fitted in the bushing normally urging the valve outwardly with the needle point closing the nozzle.

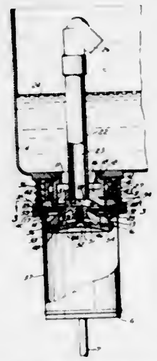
2,574,745
ELECTRIC SWITCH
Stanley Langley, Toronto, Ontario, Canada, assignor to Amalgamated Electric Corporation, Limited, Toronto, Ontario, Canada, a corporation of Canada
Application February 3, 1950, Serial No. 142,211
In Canada January 10, 1950
7 Claims. (Cl. 200—50)



1. In a switch mechanism having an enclosure with first contacts mounted thereon and a cover hinged thereto with second contacts engageable with said first contacts mounted thereon, the combination of an operating member pivotally mounted on said cover, and a guard member displaceably mounted on said enclosure, projecting means on said operating member acting on said guard member to maintain separation of said first contacts from said second contacts when made to approach by motion of the cover, and means on said operating member meshable with means on said guard member whereby rotation of said operating member from a specific initial position displaces said guard member to a non-interfering position.

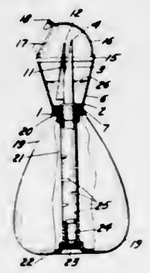
2,574,746
LIQUID FILLER VALVE
Paul E. Luther, Oakland, Calif., assignor of fifty-two one-hundredths to F. M. Ball & Co., Oakland, Calif., a corporation of Nevada
Application April 4, 1949, Serial No. 85,293
3 Claims. (Cl. 226—124)

1. In an apparatus for depressing and leveling relatively solid material in open-top containers and for filling the unoccupied space therein with liquid, a relatively fixed body provided with a depending head insertable in the container from the top and having a vertically adjustable end wall with a substantially flat bottom face forming a continuation of said wall and being of sufficient area to overlie substantially all of the solid material in the container and presenting to said material a solid surface over its entire area, a member around said body having a seat for engagement with the container rim, said body having therein separate liquid and air passages, and said body and member having valve and seat



surfaces providing extensions of said passages to the periphery of said head and immediately adjacent the sides of the container, means for opening and closing said passages, means extending between said solid surface and said head for securing said wall and said face in adjusted position on said body, and said end wall and face being so arranged on the body that in all of the vertically adjusted positions of the wall the entire area of the face will be disposed in no higher plane than the rim of the container when operatively held against the member.

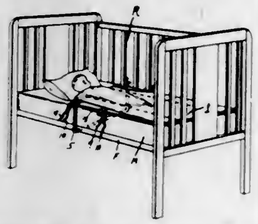
2,574,747
SPRAY DEVICE
Clara E. McNutt, Toledo, Ohio
Application September 11, 1946, Serial No. 696,083
2 Claims. (Cl. 299—88.5)



1. A spray device comprising a central tubular duct, a cup about said duct, said duct having a truncated cylindrical portion provided with a lateral port near the upper end thereof and located approximately at the duct axis, and an aspirator member provided with a passage section having an open bottom for normal submergence in a relatively viscous liquid in said cup and having an open aspirator tip adjacent said lateral port in said duct for pressure flow impingement from said port, said passage section having a con-

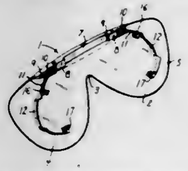
tinuously increasing cross-section throughout its length from said tip to said open bottom, said aspirator member being attached adjacent said open bottom to said duct and positioned adjacent said truncated portion of said duct, whereby said passage section diminishes capillary flow of the liquid from said cup through said passage section so that the disturbance of the operation of said device due to the viscosity of the liquid is minimized.

2,574,748
BED COVER AND HOLDER
Robert W. Meighan, Spokane, Wash.
Application September 11, 1947, Serial No. 773,462
5 Claims. (Cl. 5—336)



3. A detachable sleeping cover for use with a bed and having lateral constantly infolded pleats forming opposed side walls, divided tie straps attached to the opposite free edges of the pleats, elastic tabs attached to the edges of the pleats, and eyelets in said tabs for coaction with the straps in fastening the ends of the straps to a bed.

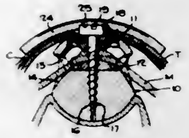
2,574,749
CLIP-ON SUNGLASSES
William A. Mendelsohn, Chicago, Ill.
Application August 9, 1947, Serial No. 767,813
4 Claims. (Cl. 2—13)



1. Clip-on sunglasses including, in combination, a glare shield provided centrally along its upper margin with a frame bar having projecting bosses, separate pintles mounted in and projecting from said bosses in a plane parallel to the plane of the glare shield, the inner ends of said pintles being upset, said pintles extending outwardly from their respective bosses at an angle to each other, and attachment clips having quill portions, said pintles extending loosely through said quill portions whereby said clips may be swung in relation to the glare shield, said clips being further provided with forwardly curved central portions whereby said glare shield is maintained in spaced relation to spectacles held by said clips when the shield is in downward position.

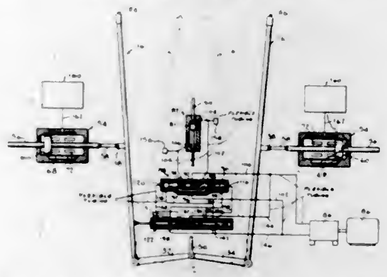
2,574,750
IMPLANT FOR ARTIFICIAL EYES
Telford I. Moore, North Hollywood, Calif.
Application October 25, 1948, Serial No. 56,335
6 Claims. (Cl. 3—13)

1. An implant for artificial eyes comprising a generally spherical body having in the anterior face thereof an anterior opening in back of which there is a bore for a stud for a prosthesis, there being lateral openings formed in the sides of said body communicating with the mentioned opening and with each other and through which



the rectus muscles may be extended and joined, and a stud adapted to be extended through the anterior opening and through the joined muscles to be seated in the bore to project through the opening in the anterior face and on which the prosthesis may be positioned.

2,574,751
ENGINE FOR PRODUCING RECIPROCATORY MOTION HAVING SUBSTANTIALLY CONSTANT VELOCITY EXCEPT DURING REVERSALS
Vincent R. Noll, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 3, 1948, Serial No. 63,393
10 Claims. (Cl. 60—52)

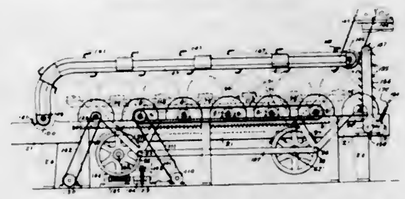


2. In a reciprocal engine having an operating member operated between reversals of direction at a constant velocity by means of a hydraulically power-operated cylinder and a source of fluid power furnishing hydraulic medium at constant volumetric flow, a double acting cushion cylinder charged with a compressible medium and disconnected from said power-operated cylinder, said cushion cylinder having traps at each end thereof whereby said compressible medium is compressed at each end of the stroke of said member to stop and start said member.

2,574,752
LAUNDRY MACHINE HAVING WASHING, RINSING, AND LIQUID EXPELLING MEANS
Einer C. Olson, Milwaukee, Wis.
Application November 23, 1945, Serial No. 630,213
21 Claims. (Cl. 68—10)

1. In a laundry machine having loading, washing, rinsing, water-expelling, and unloading stations, the combination of a series of enclosed perforated clothes containers having shaft means for their respective rotatable support, means for periodically advancing said containers, step by step, from said loading station to said washing, rinsing, water-expelling and unloading stations, liquid receptacles at said washing and rinsing station, a constantly drained receptacle at the

water-expelling station, said advancing means comprising means for depositing said containers in said receptacles in the intervals between their step by step advancement, means for rotating the containers in the liquid receptacles, the said

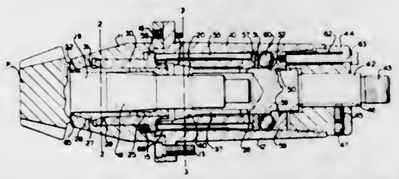


receptacles having bearings for the shaft means of said container, and means for revolving each container deposited at the water-expelling station at a speed sufficient to expel its water content by centrifugal force.

2,574,753
COPOLYMERIZATION OF CONJUGATED DRYING OILS AND ACIDS WITH POLYMERIZABLE UNSATURATED COMPOUNDS
Carl J. Opp and Raymond E. Werner, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application December 4, 1946, Serial No. 713,931
9 Claims. (Cl. 260—23)

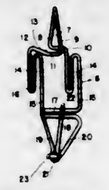
1. The method of copolymerizing a mixture consisting of 1) 10 to 90 parts of a conjugated ethylenically unsaturated compound of the class consisting of drying oils, drying oil acids, and rosin and 2) 90 to 10 parts of a polymerizable unsaturated compound of the class consisting of styrene, acrylonitrile, methyl methacrylate, isoprene, and cyclopentadiene, which consists in heating the mixture of 1) and 2) at a temperature of 35° to 300° C. in the presence of a peroxide catalyst and from 0.5 to 5%, based on polymerizable unsaturated compound, of an alkyl mercaptan having at least four carbon atoms, and in the absence of water and organic solvents.

2,574,754
COLLET CHUCK
Joseph M. Peters, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application March 25, 1949, Serial No. 83,408
10 Claims. (Cl. 279—51)



7. Chucking apparatus comprising an arbor, a split collet mounted in said arbor, said arbor and collet having cooperating surfaces for compressing said collet to grip a workpiece when said collet is moved axially in one direction in said arbor, said collet having a stem provided with axially spaced cylindrical portions of two different diameters, a pair of rings surrounding said stem, one of which has a surface opposed to the other which is inclined to the axis of said stem, a plurality of balls interposed between said rings and arranged to ride from one of said two cylindrical portions onto the other during movement of said collet axially, a second collet mounted in said arbor in axially spaced relation to the first collet, a sleeve surrounding said second collet, said sleeve and second collet having cooperating surfaces for compressing said second collet upon movement of the sleeve in one direction in the arbor, spring means for limiting movement of one ring axially in the arbor, and means connecting said sleeve to the other ring to move the sleeve to collet-compressing position when said other ring is moved axially by said balls.

2,574,755
CLIP
James E. Petrie, Minneapolis, Minn., assignor to Petrie Specialties Co., Minneapolis, Minn., a corporation of Minnesota
Application May 1, 1950, Serial No. 159,281
1 Claim. (Cl. 24—261)

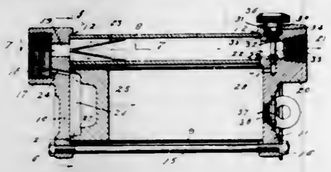


A clip of the class described formed of a single piece of spring wire folded at its intermediate portion upon itself to provide an open eye in the form of an inverted V having diverging legs, said wire at the lower ends of the legs, being bent laterally outwardly in opposite directions from the plane of the eye to provide a pair of spacing members, the wire at the outer end of one of the spacing members being bent horizontally parallel to the plane of the eye to afford a closure member for the eye except for a passageway between the outer end of the closure member and the adjacent leg of the eye, the wire at the outer end of the spacing member and the outer end of the closure member being bent to form a pair of laterally spaced hooks in which the wire first extends downwardly, thence upwardly, and again downwardly to form the body members of the hooks, the wire at the lower ends of the body members being bent horizontally inwardly into overlapping arrangement, and thence down into converging relation to afford a pair of normally closed jaws, one of said jaws terminating in an eye and the other terminating in a pin normally extending through the eye, the wire from the eye being extended upwardly to the upper ends of the jaws.

2,574,756
MEANS FOR INJECTING A FLOWABLE SUBSTANCE INTO A STREAM OF LIQUID
Harold A. Petsch, Minneapolis, Minn.
Application February 4, 1949, Serial No. 74,667
1 Claim. (Cl. 299—84)

In a device of the class described, a tube and a cylinder of substantially the same length and parallel, an inner head and an outer head having in their opposing faces recessed seats in which the end portions of the tube and the cylinder are mounted, said heads affording closures for the tube and the cylinder at the ends thereof, tie-rods connecting the heads and holding the same clamped onto the ends of the tube

and the cylinder, an intake coupling and a discharge coupling on the inner and outer heads, respectively, said couplings being in the form of bosses substantially axially aligned with the tube, an intake communicating passage between the intake coupling and the tube and a discharge communicating passageway between the tube and the discharge coupling, said passageways being of large conducting capacity, a normally closed



automatic reducing valve in the tube, a free floating piston in the cylinder, an intake port in the inner head leading from the intake coupling into the cylinder back of the piston, a discharge port in the outer head leading from the cylinder forward of the piston into the discharge passageway, said ports being of small conducting capacity relative to the passageways, a manually operated valve for closing the discharge port, and a normally closed filling opening in the outer head.

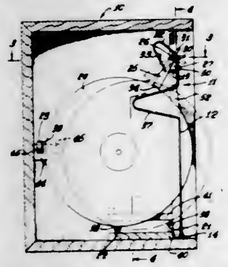
2,574,757

PHONOGRAPH RECORD STORAGE CABINET

Lee J. Purcell, Los Angeles, Calif., assignor to Development Corporation of America, Los Angeles, Calif., a corporation of California

Application February 13, 1948, Serial No. 8,105

14 Claims. (Cl. 312—17)



1. In a record cabinet of the class described: means forming a vertical slot shaped receptacle adapted to guide a record disc in rolling motion from an insertion position to a storage position in said cabinet; releasable cam means mounted in said receptacle and positioned to contact an edge of said disc, said cam means being freely pivotable to permit said rolling motion of said disc in an inward direction and adapted to jam against said disc and prevent said motion in an outward direction; transverse supporting means mounted in said cabinet adjacent the bottom thereof and adapted to support said disc resting on edge thereon, said supporting means being adapted and disposed to establish a lowermost position of rest for said disc intermediate said insertion and storage positions and in which said disc protrudes from said cabinet whereby to facilitate withdrawal thereof; and transverse bumper means in said cabinet adjacent the rear thereof positioned and adapted to stop said inwardly rolling disc with the same in said storage position whereby said disc when inserted in said cabinet rolls by its own momentum past said intermediate position against said bumper means and is held by said cam means in said storage position.

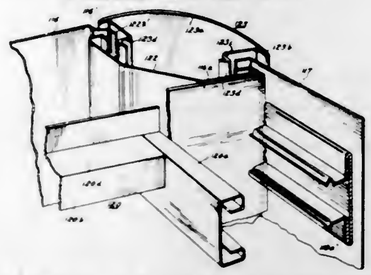
2,574,758

METAL FURNITURE

Joseph U. Ridder, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio

Application December 28, 1944, Serial No. 570,168

2 Claims. (Cl. 312—257)



1. An article of furniture comprising a front frame consisting of spaced horizontal bars and vertical side members the outer portions of which terminate in inwardly disposed flanges, a rear member, the opposite end portions of which terminate in inwardly disposed flanges, and side panels each consisting of inner and outer parallelly spaced walls, the opposite end portions of each outer wall terminating in inwardly disposed flanges, and connections between the opposite ends of each side panel and said rear member and adjacent side member, each said connection consisting of inner and outer connectors, said inner connector being fixed to the adjacent inner wall and having at each end thereof an inwardly disposed lateral wall engaging the inner face of the adjacent member and terminating in a flange engaging the inner face of the flange on said member and said outer connector being provided at its opposite ends with inturned walls each engaging the outer face of the flange on the adjacent member and terminating in a shouldered element engaging the free ends of the flanges on said member and the adjacent inner wall, said outer connector being formed of resilient material, whereby it may be deformed for insertion relative to said inner connecting member, the expansion of said connector serving to secure said flanges in engagement face-to-face one with the other.

2,574,759

CONTINUOUS PROCESS FOR MAKING ALKYLLEAD COMPOUNDS

Howard M. Rodekohr and Sidney M. Blitzer, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware

Application January 3, 1949, Serial No. 68,934

11 Claims. (Cl. 260—437)

1. The process of reacting an active form of lead with an alkylating agent, whereby an alkyllead and solid reaction products are formed, comprising continuously introducing the lead into an ascending stream of the alkylating agent, said alkylating agent being liquid at the reaction temperature and pressure used, suspending the lead in the stream by the initial velocity of the stream, classifying the reaction solids and the lead by maintaining a terminal velocity of not more than the initial velocity, and separating the alkyllead from the other reaction products.

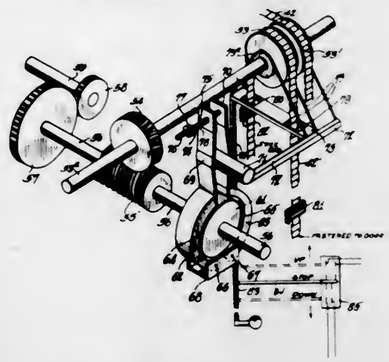
2,574,760

DOOR OPERATOR

Henry E. Rohrman, Philadelphia, Pa.

Application November 9, 1946, Serial No. 709,053

5 Claims. (Cl. 268—59)



1. In a door lifting mechanism, chain by which a door is supported and raised and lowered, stops on the chain, sprocket means over which the chain is carried, a sprocket shaft mounting the sprocket means, a brake bracket swingably mounted adjoining the chain and extending on both sides of the shaft and directly engaged by the stops in their stop positions, a brake operatively connected to the shaft and including brake arms urged toward gripping position and having wedge surfaces in extension of the brake arms by which the brake arms may be urged apart, an operator on the bracket extending between the wedge surfaces and adapted to force the brake arms apart when the bracket swings, and a handle for swinging the bracket to release the brake.

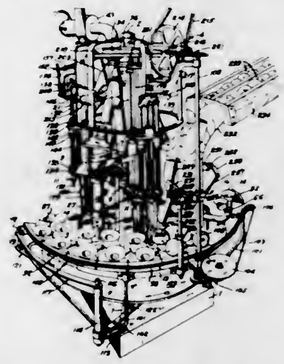
2,574,761

PEELING MACHINE

Benson W. Rutherford, Sebastopol, Calif.

Application May 20, 1949, Serial No. 94,436

38 Claims. (Cl. 146—43)



1. The combination with a peeling machine having a peeling mechanism carried around a central axis of the machine and means to actuate the peeling mechanism at predetermined positions during its movement around said axis; of holders to receive fruit to be peeled, a holder carrying mechanism carried around said axis with said peeling mechanism to move said holders to a loading position and then to move said holders into operative relation to the peeling mechanism during each revolution around said axis, a device at said loading position of the holders for removing the holder from said holder carrying mechanism and to support said holder for receiving the fruit, means to shift said holders on said device to a position of reengagement by the holder carrying mechanism; and adjustable guiding means on said device at said reengagement position to guide each holder in its initial turning movement with said carrying mechanism when reengaged by the latter.

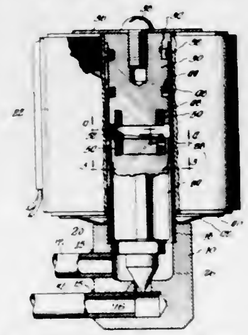
2,574,762

SOLENOID VALVE

Paul Schell, Elkhart, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application June 26, 1948, Serial No. 35,331

2 Claims. (Cl. 175—338)



1. In a solenoid, a plunger tube, a solenoid plunger slidable in said plunger tube, a magnetic plug for the outer end of said plunger tube, said plug having a circular shading ring therein, said plunger having a complementary circular groove of substantially the same shape and area and aligned with said circular shading ring, and a kick-off spring located in said groove and thereby aligned with said shading ring.

2,574,763

FREEZABLE SELF-SUSTAINING BODY OF SILICA GEL AND METHOD OF MAKING THE SAME

Edward Oneal Sears, Alameda, Calif.

No Drawing. Application November 29, 1948, Serial No. 62,601

13 Claims. (Cl. 252—70)

1. A freezable, self-sustaining body of silica gel formed by the reaction of water, "N Sodium Silicate," hydro-chloric acid and sodium chloride substantially in the proportions of 200 parts of a 50% aqueous solution of "N Sodium Silicate," 150 parts of a 7½% aqueous solution of hydrochloric acid and 100 parts of a 10% aqueous solution of sodium chloride, the sodium chloride being uniformly distributed through the body in liquid form.

2,574,764

PROCESS FOR THE INCORPORATION OF ADDITIVES INTO MOLTEN METAL

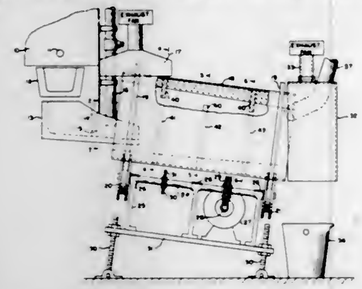
Oliver Smalley, Larchmont, N. Y., assignor to Mechanite Metal Corporation, a corporation of Tennessee

Application October 6, 1949, Serial No. 119,857

2 Claims. (Cl. 75—61)

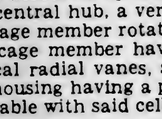
1. The process of introducing additive materials into molten metal without appreciable heat

loss comprising, flowing the molten metal in a stream, introducing the additive material to the stream, continuously rolling the stream laterally in one direction with respect to the direction of



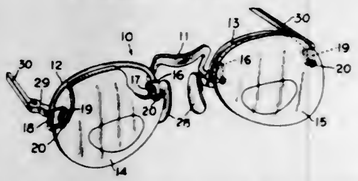
flow thereof to fold the stream upon itself, and simultaneously intermittently interrupting the stream at points downstream from the place where the addition is made.

2,574,765
BLOOD TESTING POULTRY COOP
Dallas V. Smith, Ottumwa, Iowa
Application October 12, 1948, Serial No. 54,037
5 Claims. (Cl. 119—15)



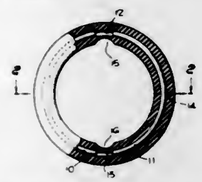
1. In a device of the class described, the combination comprising, a circular housing having an open bottom, a spider-shape support secured to said housing across its open bottom, said support having a central hub, a vertical rod secured in said hub, a cage member rotatably mounted on said rod, said cage member having a mesh bottom and vertical radial vanes, said vanes forming cells, said housing having a plurality of openings communicable with said cells.

2,574,766
SPECTACLES WITH ADJUSTABLE MULTIFOCAL LENSES
Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 20, 1949, Serial No. 105,681
5 Claims. (Cl. 88—47)



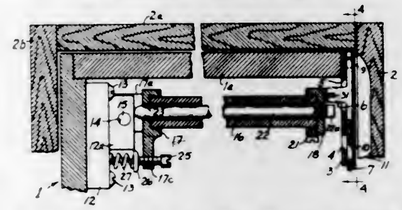
4. In a spectacle construction, the combination of frame means, vertically movable lens means positioned adjacent to the frame means and in a plane which is substantially parallel to and in front of the frame means, at least one pair of spaced members on the frame means overlying the lens means, each of said members having a vertically positioned arcuate slot with the concave sides of the slots on each pair of members facing each other, fastening elements secured to the lens means and projecting rearwardly therefrom, said elements being slidably mounted in said slots whereby the lens means may be vertically adjusted relative to the frame means and resilient means applying tension to the elements for selectively holding the elements in the upper or lower ends of the slots.

2,574,767
PESSARY
George Stubbs, Los Angeles, Calif.
Application April 14, 1950, Serial No. 155,870
1 Claim. (Cl. 128—127)



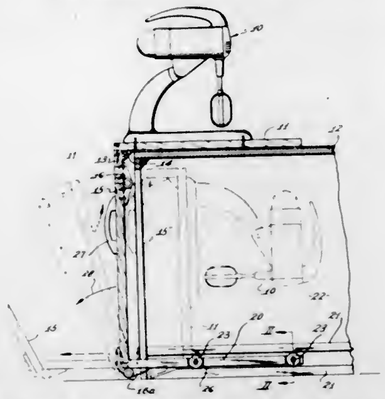
A pessary comprising two complementary sections of solid malleable wire bent to the shape of opposed sides of the pessary, each section having its ends slightly spaced from but arranged in opposition to the ends of the other section, and a rubber tube having a normal internal diameter smaller than the diameters of the wire sections stretched over said sections and enclosing the same whereby the pessary may be folded between the ends of the sections by flexing that portion of the rubber tubing which bridges the gaps between the ends thereof and the sections will be held against shifting within the tubing by reason of the contracting engagement of the rubber upon the wire sections.

2,574,768
TEMPERATURE RESPONSIVE VENTILATOR FOR BEEHIVES
Merritt I. Taylor, Richmond, Va.
Application June 26, 1947, Serial No. 757,258
11 Claims. (Cl. 236—49)



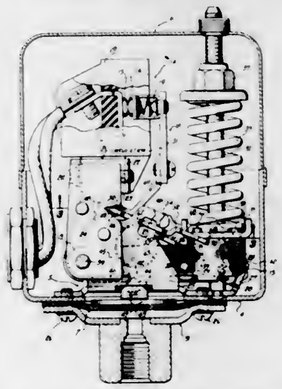
2. A ventilator for a beehive, having closed side walls, in combination a frame adapted to rest upon said walls and including a side wall having ventilating apertures therein and a slide translatable to close and uncover said apertures, a tube, a base fixedly carried by said frame, means pivoting said tube at one end on said base on an axis transverse to said tube, a rod loosely fitting within said tube and secured thereto at the end remote from said base, said rod engaging said base at a point offset from said pivot axis, and means at said remote end connecting said tube to said slide, said rod and tube being of metals having a difference between their coefficients of linear thermal expansion.

2,574,769
SUPPORTING STRUCTURE FOR KITCHEN APPLIANCES
Thackston Thomas, Santa Monica, Calif.
Application November 15, 1949, Serial No. 127,284
14 Claims. (Cl. 312—22)



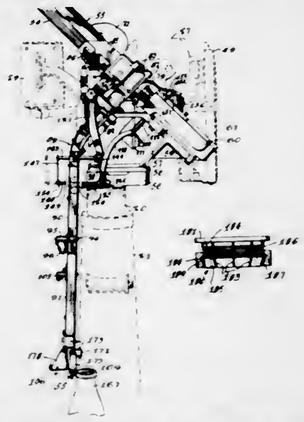
1. In an appliance-supporting structure of the class described: a base adapted to receive an appliance secured thereto and to rest flat on a horizontal surface to support said appliance in a normally upright position, said base having a skirt portion overhanging said horizontal surface; and a normally vertical panel hingedly secured adjacent an upper edge thereof to said skirt portion and extending downwardly therefrom, said panel being hingedly supported by its lower edge for swinging movement to an inclined position to permit said base to be swung downwardly about said upper panel edge to a position substantially parallel to said panel whereby to place said appliance in a storage position under said surface when said panel is swung back to a vertical position.

2,574,770
ELECTRIC SWITCH
Josef J. Zeller, Wauwatosa, Wis., assignor to Square D Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 29, 1949, Serial No. 101,985
7 Claims. (Cl. 200—83)



1. In an electric snap switch adapted for pressure and float actuation: a frame providing opposed knife edge seats; a contact carrier having knife edges engaging one of said seats, said contact carrier carrying the movable contacts of the switch for movement to and from switch closing position by rocking motion about its knife edges; an intermediate lever having knife edges engaging the other of said knife edge seats, said contact carrier and intermediate lever extending from their respective knife edges towards each other and having adjacent but spaced apart spring seats; a spring tensioned between said spring seats and yieldingly urging said spring seats apart and to opposite sides of a dead center plane connecting the opposed knife edge seats; and an actuating lever pivotally mounted upon the frame and having pivotal connection with the intermediate lever so that rocking of the actuating lever about its pivotal connection with the frame swings the intermediate lever about its knife edges to open and close the switch.

2,574,771
CLOSURE FEEDING AND APPLYING MECHANISM
Willy E. Zimmermann, Chicago, and Henry C. Konrad, Lake Bluff, Ill., assignors to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application December 21, 1945, Serial No. 636,378
14 Claims. (Cl. 226—88.1)



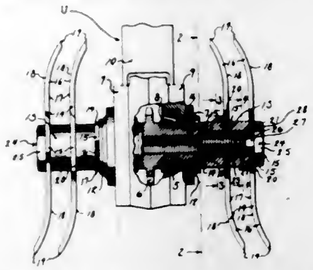
1. In combination, a frame; a closure retaining means supported by said frame; said retaining means adapted to temporarily hold a plurality of closures to be delivered; a receiving chute connected to said receiving means and inclined from the horizontal; said chute being of such size and position to support said closures in a vertical plane; said chute having a single serving outlet; closure engaging means including a relatively movable hollow member adjacent to said retaining means; a line carrying sub-atmospheric air connected to said hollow member; a positive mechanical mechanism for moving said closure engaging means into extracting engagement with one closure from said closure retaining means and transporting said closure to said receiving chute; positive mechanical means operable to release said closure from said engaging means to deposit the same into the top portion of said receiving chute so that it will roll downwardly therein; means controlled by the presence of a predetermined number of closures in said chute for rendering said closure engaging and withdrawing means ineffective; said means including a mechanically driven oscillating arm

carrying a hollow boss at its lower end, said boss having a hollow plunger slidably mounted therein, said hollow plunger closed at one end by a solid head portion, a coil type compression spring mounted between said boss and said head to resiliently maintain said plunger head away from said boss, a stop pin inserted in said plunger at the open end thereof, said plunger open to the atmosphere at its opposite end, a port opening in the side wall of said boss into which a sub-atmospheric air line is attached; a port opening in the side wall of said hollow plunger to admit atmospheric air to said port in said boss, an opening in each side of the delivery chute so that said plunger head may pass therethrough as said arm oscillates, said plunger head adapted to engage the interior of the crown of one of the latest extracted closures in the delivery chute to stop the substantially horizontal movement of said plunger whenever a closure in the delivery chute is in its path of travel horizontally through said chute as said arm oscillates, by the interruption of the travel of said plunger said port opening combined with said plunger is operated to admit air into said port opening in said boss and into the line carrying sub-atmospheric pressure to said closure engaging means to control the extraction of caps from said magazine and said oscillating arm supporting an auxiliary arm intermediate its ends which supports a head member in line with and extending towards said plunger carried by said boss, said head member adapted to contact the external crown portion of any closure obstructing its path of travel as it passes through one of the openings in the delivery chute, said head member adapted to move said closure away from the side of said delivery chute so that it may drop downwardly into the lower portion of said chute.

8. In combination, a magazine adapted to retain and support a supply of skirted articles; a delivery chute; means including a relatively movable hollow member arranged to be periodically brought into engagement with the lowermost of the skirted articles in said magazine; means for impressing sub-atmospheric pressure in the hollow interior of said relatively movable member and effective in conjunction with said member for withdrawing an article from said magazine; means for directing withdrawn articles into the delivery chute, and a collet type means associated with the extremity of said article supporting magazine for temporarily distorting the article in position to be extracted from the magazine whereby the same is separated from the adjacent article; said collet including a hollow member with a body formed with a tapered surface, a plurality of radially disposed kerfs running lengthwise thereof, and with threads on the exterior of said body, and an adjusting collar having a tapered surface arranged to engage said tapered surface on said body.

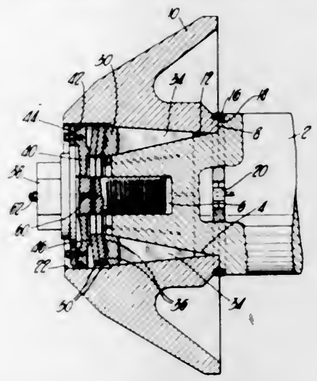
2,574,772
IMPLEMENT ASSEMBLY FOR ROTARY TILLERS
Allen O. Zorn, Brillion, Wis., assignor to Ariens Company, Brillion, Wis.
Application September 23, 1949, Serial No. 117,320
2 Claims. (Cl. 97—220)

2. In a rotary tiller unit, a rotatable tiller shaft having an internally threaded bore and a polygonal terminal, a ground working implement having a polygonal shaped hub fitted on the shaft terminal, a spacer sleeve fitted on the shaft terminal against the hub of the ground working implement, a supporting sleeve of the same exterior shape and size as the polygonal shaft and fitted into the spacer sleeve, a second ground working implement fitted on the supporting sleeve at an angle to the first ground working implement, a second spacer sleeve fitted on the supporting sleeve against the second ground working implement, an assembly screw extending longitudinally through the spacer and supporting sleeves and threaded into the shaft, a



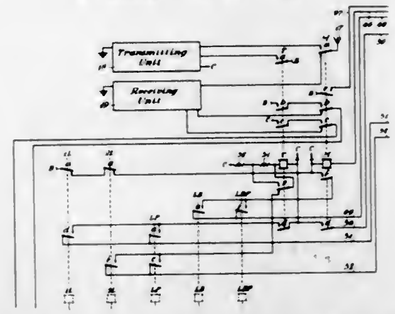
collar having a polygonal outer face of the same size and shape as the supporting sleeve and shaft terminal rotatably mounted on the screw adjacent to its head, and a third ground working implement fitted on the collar at an angle to the first and second ground working implements, said collar being received and fitted in the second spacer sleeve when said screw is threaded into the shaft.

2,574,773
ROLL MOUNTING
Bryant Bannister, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application August 21, 1945, Serial No. 611,856
4 Claims. (Cl. 287—53)



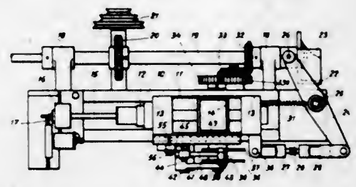
1. In a device of the character described comprising a spindle having a hub and a roll surrounding the hub, said hub being tapered and provided with a shoulder at its inner end, said roll abutting said shoulder whereby there is provided a tapered annular opening between the roll and the hub, an expansible collet in said tapered opening and resilient means urging said collet inwardly of said opening to maintain said roll constantly in close engagement with said shoulder and to maintain a tight connection between said roll and said hub when said roll expands due to being heated without axial movement of said roll.

2,574,774
REMOTE-CONTROL SYSTEM
George W. Baughman, Swissvale, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application April 30, 1949, Serial No. 90,627
4 Claims. (Cl. 177—353)



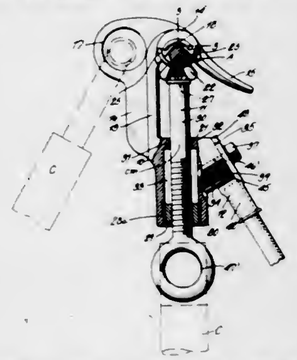
3. In a system for the control of indication relays at a central station in accordance with the condition of movable contacts at remote stations and for the operation of control relays at the remote stations in accordance with the positions of control levers at the central station by means of codes of impulses transmitted over a single communication channel connecting all of the stations, said system including at each station, a transmitter relay, a receiving relay, a series of counting relays operable through a first and second cycle to count the impulses of a code supplied to the receiving relay, station selecting relays controlled by the counting relays for registering the code impulses, and starting relays including one at each remote station and one for each remote station at the central station, the combination with the foregoing of station selecting means effective following each period of rest constituting an interval between successive codes for causing the central station transmitter relay to supply a series of impulses to all of the receiving relays to effect a first cycle of operation of the counting relays and for coding such impulses to render each series effective to operate a station selecting relay at a particular remote station and to concurrently operate a corresponding relay at the central station, said station selecting means acting to operate the station relays for the different stations by a series of codes transmitted one at a time in a recurring program, means controlled by the operated selecting relay at the central station effective only when the associated starting relay is operated for causing the continued operation of the central station transmitter relay to effect a second cycle of operation of the counting relays at the central station and at the selected remote station and for coding such impulses in accordance with the condition of selected control levers to effect the operation of the control relays at the selected station, and means controlled by the selecting relay at the selected remote station effective when the associated counting relays complete their first cycle of operation only if the starting relay at the selected station is operated but the corresponding central station starting relay is not operated for causing the transmitter relay at such remote station to supply impulses to the receiving relays to effect a second cycle of operation of the counting relays and for coding such impulses in accordance with the condition of the movable contacts at such station to effect the operation of the corresponding indication relays at the central station.

2,574,775
AUTOMATIC LATHE HEADSTOCK RECIPROCATING MEANS
André Bechler, Moutier, Switzerland
Application September 24, 1945, Serial No. 618,111
In Switzerland July 21, 1945
8 Claims. (Cl. 74—53)



1. In a machine tool having a slide longitudinally movable on a slideway, cam disc means, first follower means for the cam disc means, bell-shaped cam means, second follower means for the bell-shaped cam means, common drive means for said cam disc means and said bell-shaped cam means, and connecting means respectively between the first and second follower means and the slide whereby the slide is moved by said cam disc means during one period of a cycle of operation of the common drive means and by the bell-shaped cam means during another period of the cycle of operation of the common drive means.

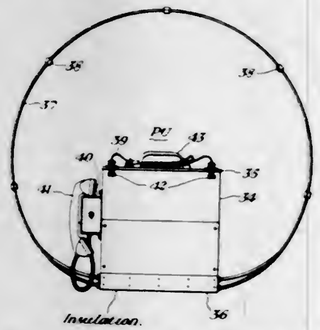
2,574,776
HOT CLAMP CONNECTOR
Jerome B. Clapp, North Plainfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application September 10, 1946, Serial No. 695,897
6 Claims. (Cl. 173—273)



2. A hot line clamp provided at its upper portion with the upper element of a clutch for engaging the line, and provided at its lower portion with a barrel having a bore extending therethrough, a bolt extending through the bore, in threaded engagement with the barrel and provided with the coacting lower element of the clutch, said bore providing a lubricant containing chamber through which the bolt works, and said barrel provided on a side thereof with a boss constituting a means for attaching a tap

wire thereto, said boss provided with a bolt hole providing access to the lubricant chamber, and threaded for receiving a nut for securing the tap wire to the boss.

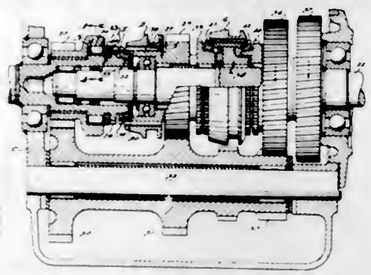
2,574,777
PORTABLE EQUIPMENT FOR INDUCTIVE CARRIER COMMUNICATION SYSTEMS
Adrian R. Doucette, Swissvale, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Original application June 23, 1947, Serial No. 756,363. Divided and this application December 24, 1949, Serial No. 135,005
3 Claims. (Cl. 179—82)



1. In a portable unit for inductive carrier telephone apparatus, the combination comprising, an air core coil of at least one turn of a relatively stiff metallic conductor, said conductor forming a self-supporting loop which is adaptable for sending and receiving a carrier telephone current by induction, a tray of insulating material through the ends of which tray said coil passes and in which tray the ends of the coil are terminaled, a case for housing inductive carrier telephone apparatus, said case secured to said tray in a position for the case to be within the coil, said case provided with a carrying strap which will enable an operator to carry the coil and case at his side suspended from his shoulder, said coil of a diameter that the top of the loop passes above the shoulder of the operator to be free from contact with the operator, a hand set, said case formed with means for carrying the hand set during noncommunication periods, and said hand set cable connected to said telephone apparatus to enable the operator to telephone when he is carrying the unit.

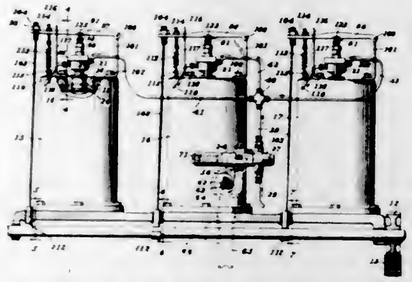
2,574,778
MULTIPLE CLUTCH MECHANISM
William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 1, 1947, Serial No. 745,210
7 Claims. (Cl. 192—48)

1. In combination, a driving member, a driven member, drive transmitting means including an overrunning clutch for connecting said members in driving relation, said clutch comprising a plurality of rollers and opposite surfaces between which the rollers are adapted to wedge for locking up the clutch, a carrier for said rollers and movable with the rollers, a positive type clutch for connecting said members in driving relation, said positive clutch comprising a first set of teeth on said driving member and an axially movable member drivingly connected to said driven member and provided with a second set of teeth for engaging said first set of teeth, a cam on said carrier located adjacent said first set of teeth, said cam being adapted to cooperate with said second set of teeth whereby, when the axially



movable member is moved to engage the positive clutch, the carrier is cammed by the second set of teeth and the rollers are moved out of position for wedging between said opposite surfaces, thereby rendering the one way clutch inoperative.

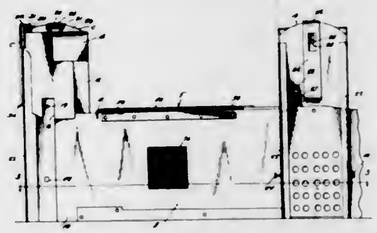
2,574,779
PUMP FOR DIESEL ENGINES
William Feis, Foley, Ala., assignor to F-S-K Manufacturing Company Incorporated, Mobile, Ala., a corporation of Alabama
Application December 13, 1945, Serial No. 634,660
2 Claims. (Cl. 103—38)



1. A pump of the class described including a casing having a fuel chamber, an inlet check valve controlling the flow of fuel into the chamber, an outlet check valve for controlling the flow of fuel from the chamber, a reciprocating plunger extending into said chamber between the inlet and outlet check valve for creating suction and pressure to open selectively said check valves, expansible spring means on one side of the pump for moving the plunger into the chamber, a movable control pin in axial engagement with said plunger, a transversely disposed movable member having a tapered side slidably connected to said control pin for regulating the axial movement thereof, a pivoted lever having an upper and lower arm, the upper arm of said lever extending into the pump between the spring means and the control pin, means for moving said lever so as to compress said spring and for suddenly releasing the spring pressure so as to rapidly thrust the plunger into the chamber to force the fuel therein past the outlet check valve, and yieldable means within said chamber and disposed opposite to said spring means for moving the plunger outwardly therefrom, said plunger in its outward movement creating a suction in the chamber for drawing fuel past the inlet check valve and into the chamber to fill the same.

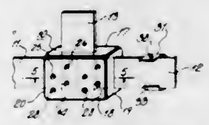
2,574,780
RAT TRAP
Savino R. Giacoletto, San Francisco, Calif.
Application May 1, 1946, Serial No. 666,408
1 Claim. (Cl. 43—61)

A multiple animal trap comprising a housing divided into a plurality of compartments, a closure for each of the compartments and bait carrying animal actuated means for each closure, and a collection cage for collecting animals from the compartments, and detachable connecting means between the cage and the trap at each entrance, said connection being in the form of stud and hook elements on said cage and trap,



said collection cage having a plurality of vertically movable doors slidably mounted therein to form a plurality of compartments in said collection cage.

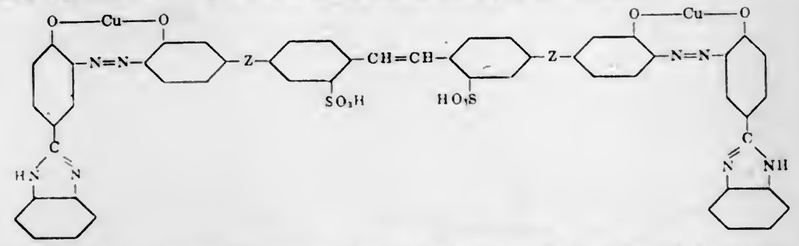
2,574,781
BUS BAR CONNECTOR
Donald L. Greene, Reading, Pa., and Carroll A. Badeau, Westfield, N. J., assignors to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application December 22, 1947, Serial No. 793,198
5 Claims. (Cl. 174—94)



5. A connector for mechanically and electrically securing together a pair of flat bus bars in overlapping relation, comprising a one-piece block-like casting of a highly conductive metal and having opposing flat sides, said connector provided with two passageways extending therethrough at right angles to each other, each passageway being rectangular in cross section and fashioned so that the bus bars may have a snug but sliding fit therein, said passageways disposed with their width dimension extending in adjacent parallel planes both parallel to said flat sides and open to each other crosswise in plan at their mid-lengths.

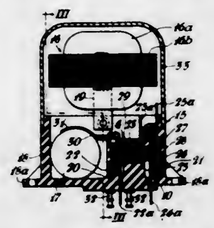
2,574,782
CUPRIFEROUS AZO-DYESTUFFS OF THE STILBENE SERIES
Raymond Gunst, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland
No Drawing. Application March 23, 1950, Serial No. 151,555. In Switzerland April 28, 1949
2 Claims. (Cl. 260—143)

1. A cupriferous azo dyestuff of the stilbene series corresponding to the formula



in which Z represents a member of the group consisting of azo and azoxy groups.

2,574,783
RECTIFIER ASSEMBLY
Linnie K. Hedding, Wilkinsburg, and Regis H. Zetwo, Swissvale, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application June 24, 1949, Serial No. 101,014
18 Claims. (Cl. 321—8)



6. A rectifier assembly having a low current portion and a high current portion comprising a casing having a first compartment therein closed at one end and opening at the other end into a second compartment of larger cross-sectional area, a low current rectifier stack including at least one rectifier element in said first compartment, a high current rectifier stack including at least one rectifier element in said second compartment, said casing having an opening to give access to said compartments for assembly of said stacks therein, a closure for said opening, and means holding the elements of both stacks in longitudinal compression.

2,574,784
PHENOLIC ADHESIVE AND METHOD OF BONDING WOOD PLIES
Clark C. Heritage, Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
No Drawing. Application December 26, 1944, Serial No. 569,909
19 Claims. (Cl. 154—133)

1. An adhesive composition comprising a phenol-aldehyde resin wherein the aldehyde is selected from the group consisting of formaldehyde and acetaldehyde, and as an adhesive con-

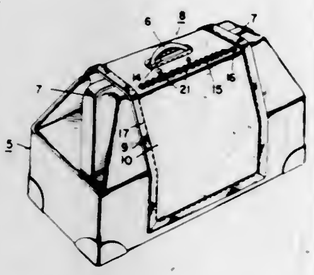
stituent the reaction mass resulting from chemically reacting comminuted bark, water and alkali at temperatures of about 180° F., the proportion of comminuted bark to resin on a dry weight basis being within the range of from 6 parts bark to 1 part resin to 2 parts bark to 6.5 parts resin.

16. A method for the manufacture of plywood, which comprises preparing an adhesive composition comprising an admixture of a phenol-aldehyde resin, wherein the aldehyde is selected from the group consisting of formaldehyde and acetaldehyde, and the reaction mass resulting from reacting water, at least one basic acting compound of sodium, and bark powder, forming an interface of said composition between layers of wood veneer to be united, and applying heat and pressure to the said layers and interfacial composition for setting the adhesive.

2,574,785
INGREDIENT OF ADHESIVES AND A PROCESS OF MAKING IT
Clark C. Heritage, Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
No Drawing. Application April 12, 1947, Serial No. 740,987
17 Claims. (Cl. 106—203)

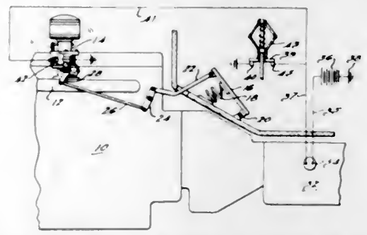
1. An ingredient for compounding an adhesive consisting of the reaction mass resulting from chemically reacting finely comminuted vegetable material of the class consisting of tree bark, nut shells and the endocarps of drupes and an alkali in about 8% to 20% aqueous solution, the proportion of alkali solution to the vegetable material and the time of treatment at temperatures in the range from about 150° to about 200° F. being such as to effect substantially complete reaction between the vegetable material and the alkali.

2,574,786
MULTICOMPARTMENT RECEPTACLE FOR STRADDLING CONVENTIONAL HAND LUGGAGE
Melva E. Hiatt, Bethesda, Md.
Application October 27, 1948, Serial No. 56,795
4 Claims. (Cl. 190—52)



1. Receptacle means for use with articles of luggage having a hand grip and a ridged portion extending laterally from said hand grip, said receptacle comprising a pair of downwardly extending pockets, means connecting the pockets to suspend the pockets one on each side of the ridged portion, each of said pockets having an opening and a closure therefor on the exterior of said receptacle, the opening for one pocket being in one exterior face of one pocket, and the opening for the other pocket being on the exterior face thereof at the opposite side of said article.

2,574,787
TRANSMISSION CONTROL SWITCH
Ira M. Holmes, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 21, 1949, Serial No. 71,874
3 Claims. (Cl. 200—59)

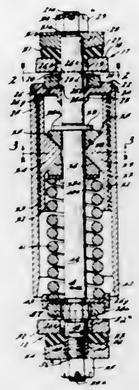


3. A control for an electrical circuit of a motor vehicle having a throttle and linkage operable to control the throttle, said control including a switch having a housing, a first contract element and a second contact element, said second contact element having a portion thereof formed as a plunger and being slidably mounted in said switch housing for movement between a first position remote from said first contact element and a second position in electrical conducting relationship with said first contact element, said plunger having an exposed end which projects out of said housing, spring means normally urging said second contact element to its first position, a hinged plate carried by said housing and abutting the exposed end portion of said plunger, means associated with said linkage and operable to rotate said plate about said hinge and slide said plunger to said second position when said linkage is moved beyond a predetermined position in a direction tending to open said throttle, a resilient strip carried by said housing and abutting an edge of said plate, said strip having an abutment thereon so positioned as to engage said plate when said plate has been rotated sufficiently to force said plunger to its second position and to retain said plunger in this position, and means carried by said linkage which is operable to deflect said strip to release said plate in response to movement of said linkage beyond a predetermined limit in a direction tending to close said throttle.

2,574,788
END CONNECTION FOR ENERGY ABSORBERS
Robert N. Janeway and William Van Der Sluys, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 22, 1948, Serial No. 16,234
30 Claims. (Cl. 267—9)

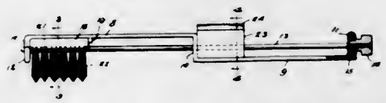
10. In combination, a cylinder, segmental shoes movably mounted within and engageable with the interior of the cylinder, a rod having one end portion extending into the cylinder through an end thereof, a coil spring surrounding the rod, one end of the spring and a portion of the rod toward said one end having means associated with the segmental shoes so that relative movement between the rod and shoes will cause the shoes to be yieldingly urged outwardly against the cylinder, the rod having a shoulder toward its other end, a retainer for the spring associated with the shoulder and acting against the other end of the spring, a ring-like rocker

block positioned on the rod and having a first curved journal portion in rolling engagement with the spring retainer and a second oppositely disposed curved journal portion adapted for rolling engagement with a member to which the said other end of the rod is to be connected,



and means carried by the rod independent of the member for fixedly clamping the spring retainer to the shoulder, the last mentioned means for holding the spring retainer on the rod being independent of the connection of the rod to the member.

2,574,789
COMBINED TOOTHBRUSH AND MASSAGING DEVICE
Evalyn R. Kenna, New York, N. Y.
Application June 28, 1948, Serial No. 35,720
1 Claim. (Cl. 15—110)



A device of the class described including a handle portion comprising oppositely extended parallel arms, a connecting portion joining the inner ends of the arms, and oppositely directed end walls on the outer ends of the arms, said end walls and connecting portion having aligned openings, a rod extended through all the openings, a tooth engaging insert slidably adjustable along one arm, a second tooth engaging insert mounted on the other arm, said inserts being held to the respective arms by the rod, and means for retaining the second mentioned insert in a selected position on the adjacent arm.

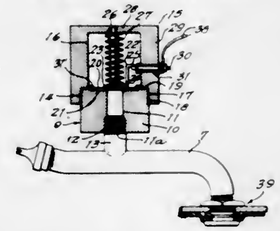
2,574,790
WAVE GUIDE
Paul B. King, Jr., Mountain Lakes, N. J., assignor to Aircraft Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application May 24, 1946, Serial No. 671,949
7 Claims. (Cl. 178—44)

7. A wave guide assembly comprising a pair of plates, means securing sa d plates to each other in face contact, the mating faces of said plates having complementary sets of grooves which aline to form a wave guide passage, alined bores extending transversely through said plates adjacent said grooves for the mounting of a device responsive to microwaves, the alined axes of the bores being normal to the axis of the wave guide



passage, and passages in each plate connecting the bore and the groove thereof.

2,574,791
PNEUMATIC SWITCH
Albert C. Kroll, Maywood, Calif.
Application November 1, 1948, Serial No. 57,810
1 Claim. (Cl. 200—58)

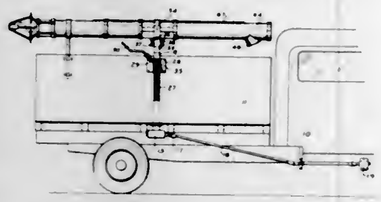


In combination with an extension of the valve stem of a pneumatic tire, a nut fitted on said extension and provided with a bore leading from said extension through the nut, an external thread on the upper end of said nut, a diaphragm resting over the upper end of said nut and its bore, a cap casing formed with a depending internally threaded annular flange of larger internal diameter than the internal diameter of said cap casing, forming an annular shoulder between the internal diameter of said flange and the internal diameter of the cap casing, between which shoulder and the upper end of said nut is clamped the outer edge of said diaphragm, a fixed contact extending into said cap casing carried by said cap casing and insulated therefrom, a switch arm secured to said diaphragm in said cap casing and formed with a contact portion for disengaging said fixed contact, when the diaphragm is in its raised position under the influence of the normal pressure of the air in the tire to which said valve stem is connected, and a spring interposed between the upper wall of said cap casing and said switch arm, for forcing said diaphragm and said switch arm down until the contact portion of said arm engages the fixed contact when the diaphragm springs down, when the tire to which said valve stem is connected is deflated.

2,574,792
GRAIN CONVEYER AND ELEVATOR
David Love, Edmonton, Alberta, Canada
Application July 12, 1949, Serial No. 104,247
In Canada July 19, 1948
2 Claims. (Cl. 214—83.26)

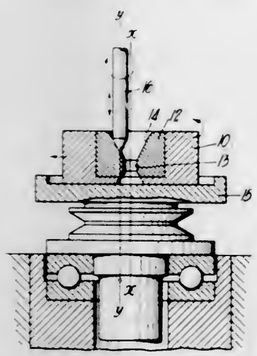
1. A loading conveyor for motor trucks comprising a vertical telescopic shaft mounted par-

allel to the side wall of the truck body, a conveyor tube rotatable and rockably mounted on the upper end of said drive shaft, a screw conveyor rotatable in said tube having driving connection with said drive shaft, a casing encasing said drive shaft having connection with the upper section of said drive shaft, an extension projecting laterally from said casing beyond the side



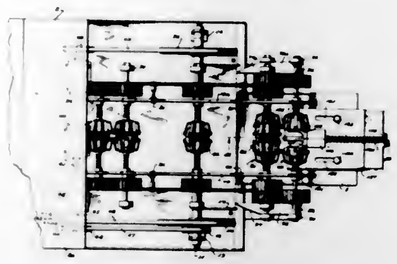
wall of the truck body, a rack bar attached to and depending from said extension, a bracket attached to the side wall of the truck body, and a worm journaled in said bracket in mesh with said rack bar adapted upon rotation to move said rack bar to raise and lower the upper section of said drive shaft to adjust the horizontal position of said conveyor tube.

2,574,793
METHOD OF DIE PREPARATION
William A. Maracz, Parma, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application August 5, 1948, Serial No. 42,699
2 Claims. (Cl. 51—290)



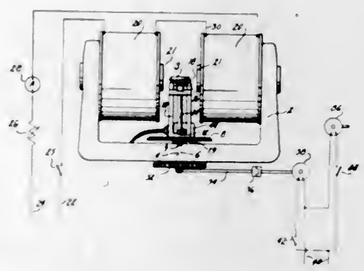
1. A method of lapping and polishing tapered passages in wire drawing dies comprising mounting a die on a support on which it is freely shiftable laterally, rotating the support, and alternately engaging and disengaging the tapered surface of the die passage with a rotating tool which has a tapered work engaging portion, the tapered portion of the tool having a smaller maximum diameter than the tapered passage in the die at any point at which the tool contacts said passage, the axes of rotation of the die support and of the tool being parallel, each engagement of the tool with the surface of the die passage shifting the die laterally on its support toward a position in which the die would be centered about the tool axis.

2,574,794
MULTIPLE FRUIT PEELER AND SHREDDER
Leoma B. Maxwell, Avon Park, Fla.
Application June 7, 1949, Serial No. 97,575
6 Claims. (Cl. 146—49)



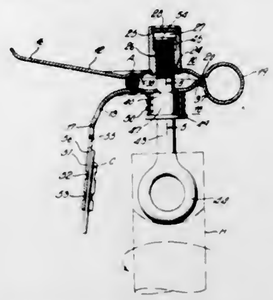
1. In a fruit peeling machine having a rotating turret provided with hemispherical peeling units mounted on counter-rotating shafts and adapted to peel fruit placed between said units, means to separate said units for the reception of fruit therebetween comprising bearing units positioned on opposite sides of said turret and in axial alignment with said shafts, a rocker arm supported in each of said bearing units, one end of said arm being slotted for sliding engagement with its complementary arm, and the opposite end being mounted on said shafts to reciprocate therewith, cams located adjacent the outer periphery of each side of said turret, said cams being adapted to reciprocate said arms by engagement with said sliding collars, whereby said shafts and said units are periodically forced apart to receive and discharge fruit.

2,574,795
AUTOMATICALLY RECORDING TORQUE MAGNETOMETER
Donald S. Miller, Westfield, N. J., assignor to United States Steel Company, a corporation of New Jersey
Application January 31, 1948, Serial No. 5,672
14 Claims. (Cl. 175—183)



1. A torque magnetometer for measuring the torque exerted by a magnetic field on a specimen of magnetic material comprising a rotor for supporting said specimen for rotation therewith, a magnet for creating the magnetic field, said specimen being located in said magnetic field, a strain gage for measuring the torque exerted by the magnetic field on said specimen, and a connection between said strain gage and said rotor.

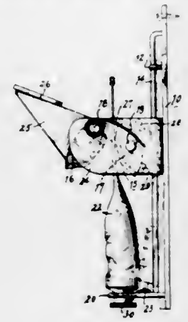
2,574,796
HOT LINE CONNECTOR
Albert J. Moore, Union, N. J. assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application February 1, 1947, Serial No. 725,775
2 Claims. (Cl. 173—273)



1. A hot line tapping device including two sheet metal jaws forming elements hingedly connected at one end, each element being corrugated adjacent its mid-length to provide a pair of inwardly facing grooves for receiving the line therebetween, one of the elements provided between its groove and its hinged end with a nut fixedly secured thereto, the other element in the part thereof facing the nut provided on its outer side with a bearing surface and with a bolt hole extending through said part, a combined clamping and locking means for exerting a squeeze pressure on the jaw elements, said means including a screw element passed loosely through the bolt hole, having one end in threaded engagement with the nut and its opposite end forming a turning eye, said screw element provided between the turning eye and the adjacent jaw element with a pair of spaced apart shoulders, with the outer shoulder of greater diameter than the inner shoulder, the inner shoulder adapted when the screw element is rotated in one direction to engage the bearing surface and solidly lock the jaws relative to each other particularly in the portions thereof which include the nut and the bearing surface, and a coiled spring encircling the screw element at all times under load having one end bearing on the outer shoulder and at its inner end bearing on said bearing surface, and the free end portions of the jaw elements outwardly beyond the nut and bearing surface having at least a slight degree of resiliency and coacting to provide a resilient wedge-like open throat for guiding the line into the seat therefor provided by the grooves whereby the device with its elements in unlocked position and under sole control of the spring can be forced on to the main line against the resistance of the spring.

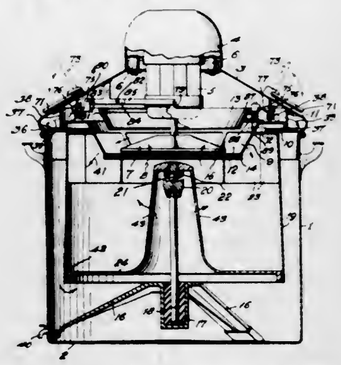
2,574,797
COLLAPSIBLE TUBE DISPENSING DEVICE HAVING ROCKABLE TUBE-ENGAGING MEMBERS
Carl F. Nelson, Mill Valley, and Verner A. Nelson, Oakland, Calif.
Application December 17, 1948, Serial No. 65,758
4 Claims. (Cl. 222—103)

1. In a toothpaste dispensing device of the character described, the combination of a supporting bracket, means carried by said bracket for gripping the neck of a collapsible tube and positioning it in an inverted vertical position, a vertically moveable support mounted upon said bracket for movement along the body of an inverted collapsible tube secured by its neck upon said bracket, a free floating pivotally mounted tube engaging member against which the closed end of a collapsible tube may be disposed, a second pivotally mounted tube engaging member spaced from said first tube engaging member and adapted to engage with the other side of a tube at a point farther removed from said tube neck gripping means, each of said tube engaging



members being mounted to pivot about horizontally disposed axes and having cooperating flat angularly disposed surfaces, and a lever means through which pressure may be applied to said second tube engaging member and cause said tube engaging members to pivot about their respective axes, whereby the angularly disposed surfaces of said tube engaging members will be progressively brought into pinching relation with the walls of a tube positioned therebetween.

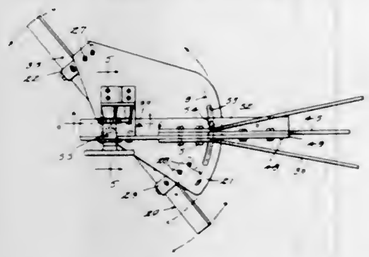
2,574,798
WASHING AND DRYING MACHINE
Christian Oskar Rasmussen, Copenhagen, Denmark, assignor to Simplex, Copenhagen, Denmark, a Danish company
Application January 21, 1947, Serial No. 723,259
In New Zealand January 7, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 7, 1966
5 Claims. (Cl. 68—4)



1. In a machine for performing the two operations of washing articles with a washing fluid and subsequently removing the washing fluid from the articles, the combination of a receptacle for containing said fluid; a casing, dimensioned to provide a space between said receptacle and said casing, for containing the articles to

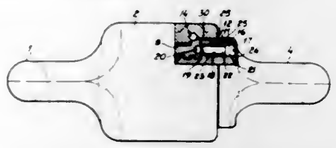
be washed; a drum for containing the washed articles, having fluid discharge ports, said casing and said drum being operatively disposed in said receptacle during said operations of the machine, in succession; means for rotatably supporting said drum in said receptacle, said means being removably mounted in said receptacle; a removable cover for said receptacle; means carried on the inner side of said cover for inducing a flowing current of air, said receptacle, casing and cover being so designed and related, when said casing is disposed in said receptacle and said cover closes said receptacle that a conduit for said air current is provided so that the current flows from said inducing means downwardly through said space between the receptacle and the casing and upwardly through said casing to said inducing means; a plurality of impeller blades on said drum; a housing depending from said cover, about said inducing means and having a plurality of air ports, said ports being disposed adjacent said blades when the drum is mounted in the receptacle and the cover closes the receptacle; and a manually operated deflector shiftable on said cover for movement into and out of position between said ports and said blades, said deflector directing said current into said conduit when in said position, and said current impinging said blades to rotate the drum when the deflector is out of said position.

2,574,799
SIDE DITCH SCRAPER FOR DITCHING MACHINES
Emmett R. Seward, Houston, Tex.
Application February 18, 1949, Serial No. 77,244
1 Claim. (Cl. 37—80)



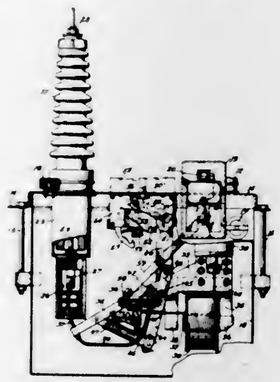
A side ditch digger comprising a pair of scraper blades and supporting means for securing said blades to the digger, said supporting means including a pair of elongated divergent bars and a central bar for each blade, an angle iron secured to each set of bars, means for longitudinally adjusting the position of each of said angle irons relative to said bars, a plate having a relatively long arcuate edge and an obtusely angled edge positioned over each of said scraper blades, angle irons secured to each end and to the center of each of said scraper blades, a pivot bolt extending through said first-mentioned angle iron, said plate adjacent the angle of the obtusely angled edge thereof and said angle iron secured to the center of said scraper blade, each of said plates having an arcuate slot therein adjacent the arcuate edge coaxial with said pivot bolt, a second bolt extending through its associated first-mentioned angle iron spaced from its associated first-mentioned bolt and extending through the adjacent arcuate slot whereby the angular relation of said blades relative to their associated first-mentioned angle irons may be independently varied.

2,574,800
SWIVEL
Karl W. Sköld, Ramnas, Sweden
Application May 16, 1949, Serial No. 93,627
In Sweden May 21, 1948
1 Claim. (Cl. 59—95)



A swivel comprising a loop formed with an internally threaded sleeve integral therewith, a second loop formed with an integral pivot which extends into and is rotatable relative to said sleeve, a pair of externally threaded bearing halves disposed in an interspace between the sleeve and pivot portions respectively of the two loops and provided with internal annular bearing flanges engaging annular bearing recesses in the pivot, said bearing halves being screwed into the internally threaded sleeve and means for locking said bearing halves against turning relative to said sleeve, a screw having an axial elongation screwed with its head completely sunk into a threaded bore extending in the axial direction in said second loop provided with the pivot, which elongation of the screw is engageable with a bore in the end of one of the bearing halves to lock the bearing halves and said second loop against rotation, and a coil spring surrounding said elongation of the screw and engaging the head thereof tending to prevent it from engaging the end of the bearing half and guiding the screw in the lateral direction in the bore.

2,574,801
POWER LINE SERVICE RESTORER
Joseph S. Thompson, San Francisco, and Charles R. Ray, Sausalito, Calif., assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application July 29, 1947, Serial No. 764,522
7 Claims. (Cl. 200—89)



1. In a service restorer of the character described, the combination of a pair of spaced terminal bushings, a stationary contact mounted upon the lower end of one of said bushings, a supporting bracket carried by the other of said bushings and extending toward said stationary

contact, a movable contact arm pivotally mounted at the outer end of said bracket and adapted to swing through an arc and into and out of engagement with said stationary contact, an electro-magnet also carried by said bracket and having its energizing coil connected in series circuit with said movable contact, an operating lever pivotally mounted upon said bracket adapted to move about an axis disposed between adapted to move about an axis disposed between said electro-magnet and the axis about which said movable contact swings, an armature carried by said operating lever outwardly from its pivotal axis adapted to be attracted by said electro-magnet and move said operating lever about its pivotal axis whenever current in excess of a predetermined value is flowing through said stationary and movable contacts, an energy storing spring means connected directly between the outer end of said operating lever and a point upon said movable contact arm outwardly from its pivotal axis, a latching means for holding said movable contact arm in a circuit closed position, and trip operating means movable with said operating lever adapted after a predetermined pivotal movement thereof to trip said latching means, whereby the pivotal movement of said operating lever about its pivotal axis under the influence of said electro-magnet will first serve to store energy in said energy storing spring means and after said predetermined pivotal movement actuate said trip operating means and thus permit said energy storing spring means to move said contact arm into its open circuit position independently of said operating lever.

2,574,802
MAP HOLDER
Herrmann B. Tobias, Washington, D. C.
Application August 12, 1947, Serial No. 768,252
5 Claims. (Cl. 40—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

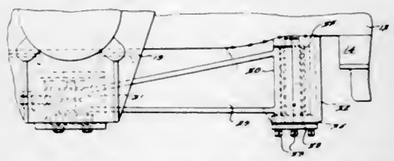


1. A strip map holder comprising a container having a display opening in its front wall and an elongated vertical slot in its rear wall, a plate mounted transversely of said slot and provided with a slot for receiving a fastener, a relatively narrow extension on one end of the plate in alignment therewith and adapted to be straddled by a fastening means such as a staple, the opposite end of the plate being offset and provided with a fastener-receiving opening.

2,574,803
METHOD OF BONDING PLYWOOD, AN ADHESIVE THEREFOR AND A PROCESS OF MAKING IT
William G. Van Beckum, Longview, Wash., and Harold L. Cook, Tigard, Oreg., assignors to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
No Drawing. Application March 29, 1947, Serial No. 738,216
15 Claims. (Cl. 154—133)

1. A spreadable adhesive consisting essentially of the reaction product of comminuted parenchyma tissue bark powder derived from bark phloem and an aqueous solution of a basic acting soluble compound of an alkali metal in an amount to confer upon the resulting aqueously dispersed mass a pH between about 3.5 and about 10, said solution being present in sufficient volume to disperse the reaction product.

2,574,804
RAILWAY TRUCK
William Van Der Sluys, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 19, 1946, Serial No. 704,432
14 Claims. (Cl. 105—197)

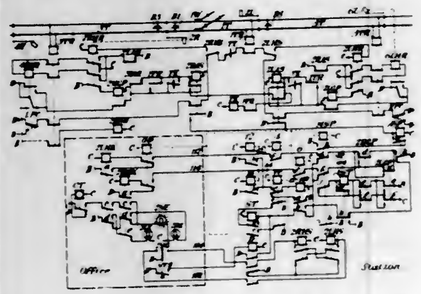


3. In a railway truck, a side frame member, a truck frame member, spring means supporting the truck frame member on the side frame member, a link extending longitudinally along the side frame member and having a wide portion at one end and a narrow portion at the other end, means pivotally connecting the wide portion of the link to the side frame member about an axis extending transversely of the side frame member, said means including resilient means extending the width of the wide portion, and resilient means pivotally connecting the narrow portion of the link to the truck frame member about an axis extending transversely of the side frame member, whereby the side frame member and truck frame member are held against substantial relative movement transversely and longitudinally and yet are permitted relative vertical movement.

2,574,805
INDICATION TRANSMITTING APPARATUS FOR REMOTE-CONTROL SYSTEMS OF THE CODE TYPE
Edgar B. Walkup, Swissvale, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application October 31, 1946, Serial No. 706,865
5 Claims. (Cl. 246—3)

1. In a remote control system for railroads for the control from a central office of two railway signals for governing traffic movements over conflicting routes, each signal having a normally energized approach locking relay controlled thereby which becomes deenergized when such signal is cleared and which remains deenergized, when such signal is put manually to stop, for a predetermined time interval to delay the clearing of the other signal, said remote control system in-

cluding a normally inactive code transmitter at the location of said signals for transmitting indication codes to said office over two intermittently available communication circuits which are controllable individually to indicate the clear or stop condition of each signal and jointly to indicate the condition of said approach locking relays; a repeating relay for controlling the energization of said two circuits in each transmitted code in accordance with the condition of said approach locking relays, a signal indication relay controlled by each signal for modifying such control in accordance with the condition of the corresponding signal, a starting relay effective when actuated to initiate the transmission of indications by said code transmitter, register means controlled by said code transmitter for locally registering the character of said indications when transmitted, circuits controlled jointly by said repeating relay and said register means for actuating said starting relay in response to a change in the condition of said repeating relay, an additional relay responsive to a change in the condition of either signal indication relay, and means controlled jointly by said additional relay and by said register means for actuating said starting relay.



2,574,806

COMPOSITIONS AND PROCESSES FOR PRINTING ORGANIC DERIVATIVES OF CELLULOSE USING A MIXTURE OF FOUR SWELLING AGENTS

Alexis Wiazmitinow and Henk Goorhuis, Basel, Switzerland, assignors to Sandoz A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application May 9, 1949, Serial No. 92,246. In Switzerland May 14, 1948

10 Claims. (Cl. 8—63)

1. A process for producing prints, which are fast to soaping, on textile materials composed of cellulose acetate, with a water-soluble dyestuff having substantially no affinity for cellulose acetate, which comprises the steps of applying to the said material an aqueous printing composition containing the said dyestuff, a thickening agent, 2–5% by weight of at least one water-soluble salt of thiocyanic acid, 8–12% by weight of a lower aliphatic carboxylic acid, 8–12% by weight of a swelling agent selected from the group consisting of urea, thiourea and guanidine, and 9–15% by weight of a member selected from the group consisting of ethylene glycol, ethylene thiodiglycol and diethylene glycol monobutyl ether, fixing the dye onto the thus-treated material by subjecting the latter to a simple heating operation, whereby the material is dried and the dye fixed thereon without the necessity of steaming, and then subjecting the dried material to a treatment with a warm soaping solution.

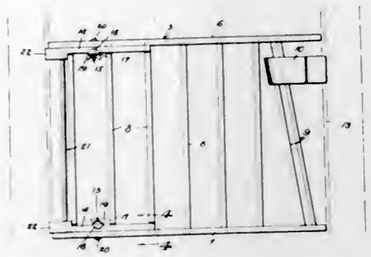
2,574,807

ADJUSTABLE GATE FOR DOOR OPENINGS

Cecil B. Woodruff, Detroit, Mich.

Application September 27, 1949, Serial No. 117,969

1 Claim. (Cl. 20—71)



A portable gate for positioning in a door frame, comprising a body including horizontal upper and lower gate bars and vertical spindles connecting the gate bars, a pair of said spindles adjacent to one end of the gate being inclined outwardly towards the lower gate bar, a securing block having openings in which the pair of spindles are disposed, said securing block being movable longitudinally of said pair of spindles whereby the outer end of the block is moved beyond the end of the gate frictionally engaging the frame in which the gate is positioned, and means for securing the opposite end of the gate within the frame.

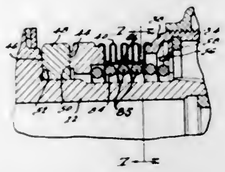
2,574,808

SQUEAK INHIBITING SEAL CONSTRUCTION FOR FLUID POWER TRANSMITTING DEVICES

Robert W. Wolfe, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 4, 1946, Serial No. 701,200

13 Claims. (Cl. 286—11)



4. A seal construction for a fluid power transmitting device including a vaned driving member, a vaned driven member and a housing enclosing said members and rotatable with one of said driving and driven members comprising; a bellows non-rotatably carried by said housing, sealing means secured to one end of said bellows and operative to provide a running seal connection with the other of said driving and driven members, a compression spring for resiliently biasing said sealing means to effect said sealing connection, said spring being telescopically disposed relative to said bellows and separated therefrom by an annular space, and an expansible metallic ring-like element disposed in said annular space and simultaneously frictionally engaging said bellows and spring for inhibiting amplification of squeak developed in said running seal connection.

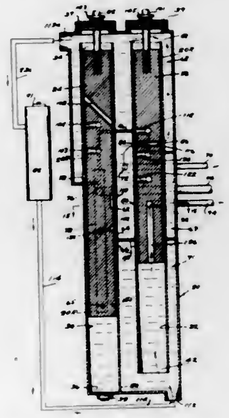
2,574,809

DIRECTIONAL CONTROL VALVE FOR WATER SOFTENERS

Boyd Agnew, Los Angeles, Calif., assignor to Anthony Higgins, Pasadena, Calif.

Application March 28, 1949, Serial No. 83,968

6 Claims. (Cl. 277—12)



1. In a valve including a body structure therefor, a pair of cylinders in said body structure, one of said cylinders having unrestricted open ends, the other of said cylinders having an unrestricted open end and a ported end, a piston in each of said cylinders, a waste fluid passageway longitudinally disposed with respect to one of said cylinders and in ported communication therewith, and other ports in said cylinder, ports in said pistons said last mentioned ports being adapted to be selectively brought into registry with ports in said cylinders, and manual control means adapted to actuate said pistons synchronously and longitudinally of said cylinders whereby selected ones of said ports are brought into registry for functional use.

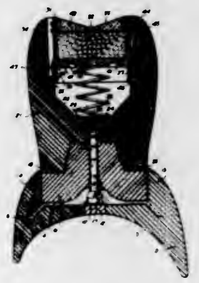
2,574,810

ARTIFICIAL TOOTH

Earl W. Baumgardner, Watsonville, Calif.

Application April 22, 1950, Serial No. 157,485

5 Claims. (Cl. 32—8)



1. An artificial tooth, comprising a tooth body, a casing in the body, a cup slidably disposed in the casing, resilient means to resist movement of the cup in the casing, and a filler in the cup forming a portion of the grinding surface of the tooth.

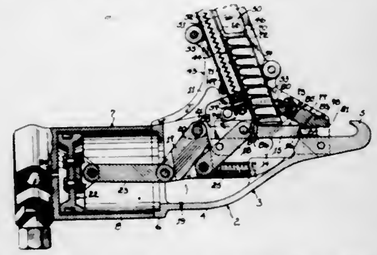
2,574,811

PORTABLE CLIPPING TOOL

Svend G. Blumensaadt, Beachwood Village, Ohio, assignor to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio

Application February 7, 1948, Serial No. 6,905

5 Claims. (Cl. 140—55)



1. A clip-clinching tool comprising a housing including a stationary jaw member and mounting a clip-storing magazine provided with an open bottom, an elongated shiftable jaw member slidably mounted for cooperation with said stationary jaw member on said housing below said magazine, reciprocatory operating means coupled with said shiftable jaw member and spring pressed clip holding means pivotally supported by said housing to be yieldingly forced between said jaw members when same are in predetermined position, said shiftable jaw member including a clinching end adapted to cooperate in clinching operations with the stationary jaw member and a shouldered top adapted to seat and transfer in clinching operations a clip from the magazine to the clip holding means, said clip holding means including a shouldered bottom portion adapted to hold a transferred clip when the shiftable jaw member, after clinching operations, is shifted toward the magazine, and shift such clip between the jaw members for clinching operations.

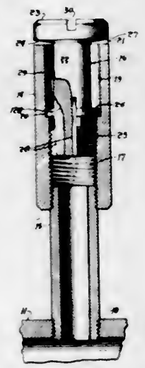
2,574,812

ORCHARD SPRAY HEAD

Albert H. Bradford, Placentia, Calif.

Application March 4, 1950, Serial No. 147,665

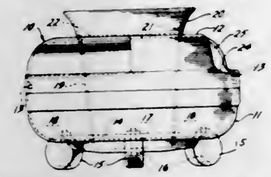
5 Claims. (Cl. 299—106)



1. A sprayer including a body section having a tubular fluid passing portion with an open discharge end, a spray directing plug section having a head portion disposed across and spaced from said discharge end of the body to form therewith a spray discharge gap and having a reduced

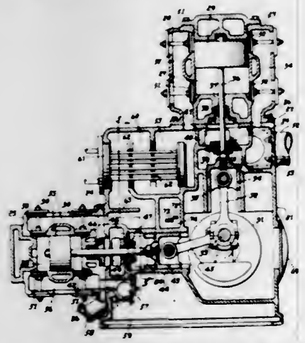
dimension stem portion extending into said discharge end of the body and removably connected to the body at an inner location, and a pair of shoulders on the body and plug stem at a location spaced from said head of the plug and engageable to limit movement of the plug into the body upon connection thereto to thereby maintain a predetermined discharge gap dimension, one of said sections containing recess means directly adjacent and facing the other section and extending through the connection to the other section and through a corresponding one of said shoulders to conduct fluid past the connection and shoulders.

2,574,813
WINDPROOF ASH TRAY
Joseph A. Cadrain, New Britain, Conn.
Application December 20, 1948, Serial No. 66,320
1 Claim. (Cl. 131—242)



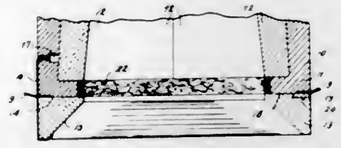
An ash tray comprising a receptacle having a circular upwardly concave bottom, a cover therefor, said cover having a circular central opening, a substantially conical tube extending downwardly through said opening and having an edge contacting said bottom and being closed thereby, said cover having portions thereof provided with recesses constituting part of the top wall structure, and having openings in alignment with said recesses, said openings defining cut-outs formed by depressing portions of said cover to form said recesses, whereby cigar and cigarette butts may be received in the bottom of the ash tray between said conical tube and the outer wall of said bottom.

2,574,814
RECIPROCATORY COMPRESSOR
Allan O. Carpenter, Corning, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 28, 1946, Serial No. 719,022
5 Claims. (Cl. 230—26)



1. In a multi-stage compressor, the combination of a frame having a pair of seats, first and second stage cylinders mounted on said seats and exteriorly of the frame, an inlet passage in the frame and the first stage cylinder for said first stage cylinder, said passage passing through the frame at a point within the boundary of one of said seats, a channel wholly in the frame and the cylinders and passing through the frame at points lying within the boundaries of said seats for conveying compressed fluid from the first stage to the second stage cylinder, a discharge passage in the second stage cylinder and the frame for said second stage cylinder, conduits for the inlet passage and the discharge passage, and means for securing the conduits to the frame.

2,574,815
BOTTOM RING FOR HOT TOPS AND MOUNTING MEANS THEREFOR
Walter M. Charman, Shaker Heights, Ohio
Application April 1, 1949, Serial No. 85,015
5 Claims. (Cl. 22—147)



4. A molded refractory heat insulating bottom ring for use upon a hot top casing, said ring having an upwardly and inwardly inclined inner surface and a generally flat upper surface, the latter surface being provided with a plurality of spaced indentations adapted to receive casing projections for holding the ring against lateral displacement.

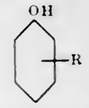
2,574,816
ELECTRICAL CONNECTOR OF THE TROLLEY TAP TYPE
John F. Conrad, Ebensburg, Pa., assignor to Deltron Electric Products, Inc., Ebensburg, Pa., a corporation of Pennsylvania
Application May 10, 1949, Serial No. 92,285
1 Claim. (Cl. 173—273)



An electrical connector of the trolley tap type comprising an insulating holder for a fuse and adapted at one end for connection to an electrical cable, a rigid conductor member extending from the other end of the holder and having a camming nose projecting forwardly therefrom, a clamping member pivotally connected to the rigid conductor member in a dependent position when the holder is horizontal and having a jaw at its lower end for abutting engagement with one side of a trolley wire or the like, a second clamping member pivotally connected intermediate its ends to an intermediate point on the first-named clamping member and having a jaw on its lower end and positioned to cooperate with the other jaw in gripping a wire, a spring yieldably urging the jaws into relatively expanded position, and a camming block on the upper end of the second-named clamping member and adjustable on said member relative to said nose, positioned to be engaged by the said camming nose for rocking the second-named clamping member relative to the first-named clamping member to effect movement of the jaws toward one another, when the first-named clamping member abuts a trolley wire and the holder is swung downwardly about the first-named pivot.

2,574,817
CERTAIN RESINS CONTAINING BOTH HYDROXYL AND ALLYL RADICALS, AND METHOD OF MAKING SAME
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application August 3, 1950, Serial No. 177,551
20 Claims. (Cl. 260—52)

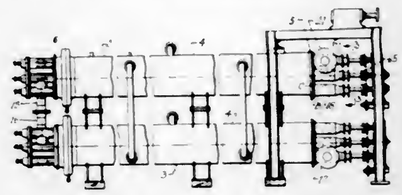
1. The process of (a) subjecting an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenolaldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 18 carbon atoms and substituted in one of the positions ortho and para to oxyalkylation with an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyls of a plurality of divalent radicals having the formula R_1O, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals; with the proviso that from about one-half to less than two moles of alkylene oxide be introduced for each phenolic nucleus; (b) converting said oxyalkylated resin into the corresponding alicyclic compound by hydrogenation in presence of a hydrogenating catalyst; and (c) reacting said hydroaromatic compound with allyl glycidyl ether, with the proviso that at least 2 moles of allyl glycidyl ether be reacted for each alicyclic molecule and not in excess of three times the number of hydroxyl radicals present in said molecule.

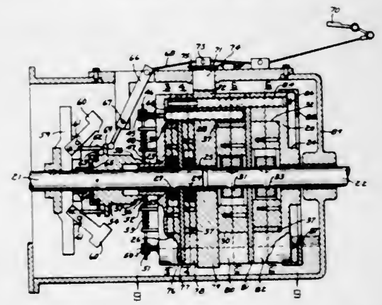
2,574,818
OIL CHILLER
Eugene A. Edmonds, Louisville, Ky., assignor to Henry Vogt Machine Company, Louisville, Ky., a corporation of Kentucky
Application August 29, 1947, Serial No. 771,228
5 Claims. (Cl. 62—114)

4. An oil chiller comprising: perforate end plates; an outer shell welded at the ends to the periphery of said end plates; a series of tubes in said shell welded at the ends thereof in the perforations of said end plates; H-shaped reverse connection members between alternate pairs of tubes at each end, said connection members having flanges at one set of ends thereof and having stuffing box members at the drive ends opposite said flanges; bolts in said flanges for detachably securing said reverse connection members to one



said end plate; drive shafts extending through said stuffing boxes; and scraper members in said tubes providing sockets removably coupled to said drive shafts.

2,574,819
AUTOMATIC VARIABLE-SPEED AND REVERSE HYDRAULIC TRANSMISSION
Otto J. Eisele, New York, N. Y.
Application July 2, 1947, Serial No. 758,685
17 Claims. (Cl. 60—53)

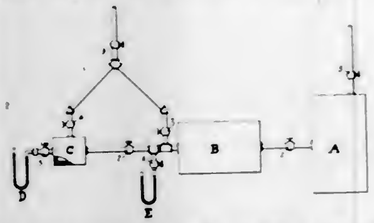


1. A transmission of the character disclosed for coaxial driving and driven shafts, comprising a casing concentrically rotatable about said shafts and companion forward and reverse drive pump chambers in the section over the drive shaft and forward and reverse drive motor chambers in the section over the driven shaft, hydraulic fluid impellers fixed on the drive shaft within said forward and reverse drive pump chambers, impellers fixed on the driven shaft within said forward and reverse drive motor chambers and controllable fluid passages in said casing from said forward drive pump chamber to said forward drive motor chamber and from said reverse drive pump chamber to said reverse drive motor chamber, respectively.

2,574,820
PRODUCTION OF VACUUMS
Irving Feuer, New York, N. Y.
Application October 15, 1945, Serial No. 622,346
8 Claims. (Cl. 316—24)

1. The method of producing a vacuum in a chamber having a gas, which comprises introducing into said chamber a radioactive gas which upon disintegration forms a solid only, thereby increasing the pressure in said chamber and simultaneously diluting the gaseous constituents in said chamber; evacuating said mixture until a desired pressure is obtained; refilling said chamber with a radioactive gas which upon disintegration forms a solid only, thereby diluting the residual gas in said chamber; again refilling said

chamber with a radioactive gas which upon disintegration forms a solid only, until the predetermined degree of vacuum is reached; then



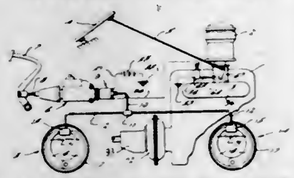
sealing said chamber and allowing the radioactive gas to disintegrate into solid carbon for obtaining the final degree of vacuum desired.

2,574,821

BRAKE HOLDING DEVICE AND VACUUM SWITCH ACTUATED CONTROL CIRCUIT THEREFOR

Louis B. Forman, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application December 22, 1947, Serial No. 793,290
10 Claims. (Cl. 188—152)



1. A brake holding device for a motor vehicle having an engine equipped with a carburetor which includes a throttle valve, an engine driven member, a fluid coupling connected between said engine and driven member, a system of fluid pressure operated brakes including a brake pedal, an electro-magnetically operated control member associated with said brake system and adapted, when energized, to trap pressure fluid in said system to retain the brakes in applied position after braking pressure has been removed from said pedal, an electrical circuit for operating said control member comprising a brake pedal operated switch adapted to be closed on application of the brakes, closing of said switch causing energization of said control member, and a vacuum actuated switch adapted, when closed, to retain said control member in an energized condition after braking pressure has been removed from said brake pedal, and means connecting said vacuum switch to said carburetor on the intake side of said throttle valve, said vacuum switch being arranged such that the difference in intake manifold vacuum between drive transmitting and no-drive operation of said engine at closed throttle, causes said vacuum switch to close to thereby trap pressure fluid in said system and retain the brakes applied.

2,574,822

DRY COTTON PICKER FINGER

Augustus L. Foster, Kansas City, Mo., assignor of one-fourth to Oda M. Foster, Kansas City, Mo.

Application October 24, 1949, Serial No. 123,161
4 Claims. (Cl. 56—50)

1. In a picking finger, an elongated tube; an elongated, core-like stem telescoped within the tube; means mounting said tube and said stem for reciprocation on the longitudinal axes thereof and rotation on said axes, said tube having a plurality of openings formed therein, said stem having a diameter less than the inside diameter of the tube, presenting a space in the tube around the stem; an elongated prong loosely mounted in each opening respectively for free rectilinear reciprocation on its longitudinal axis toward and away from the stem; and means on the prongs for limiting the extent of movement of the prongs



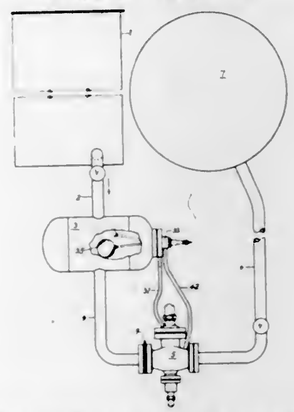
away from the stem, said means being larger than the openings whereby the same strike the inner wall of the tube as the prongs move away from the stem, said stem being within the path of travel of said means for engagement thereby to limit the extent of movement of the prongs toward the stem, said means being floatingly disposed within said space for movement with the prongs toward and away from the stem in response to centrifugal force as the tube and stem rotate.

2,574,823

FLUID FLOW CONTROLLER

Archie P. Fulkerson, Louisville, Ky., assignor to Henry Vogt Machine Company, Louisville, Ky., a corporation of Kentucky

Application September 11, 1947, Serial No. 773,421
2 Claims. (Cl. 62—2)



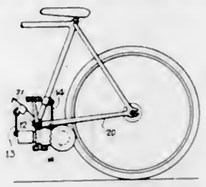
1. A fluid control apparatus for a freezer comprising: a conduit connected to said freezer for reversible flow of refrigerant; a valve in said conduit; pressure responsive means for operating said valve; a chamber connected to said conduit on one side of said valve; flow restricting means in the conduit between the chamber and said valve; a passageway connecting said chamber to one side of the pressure responsive means, the other side of the pressure responsive means being connected to the other side of said restriction; a pilot valve in said passageway; a duct connecting the pilot valve with said other side of the pressure responsive means, whereby movement of the pilot valve in one direction disconnects said chamber from said pressure responsive means and interconnects the two sides of the pressure responsive means; and means operated by the level of liquid in said chamber for operating said pilot valve.

2,574,824

SUPPORTING SYSTEM FOR BICYCLE ENGINES

Adalberto Garelli, Sesto San Giovanni, Italy

Application August 3, 1946, Serial No. 688,190
In Italy August 24, 1945
6 Claims. (Cl. 180—33)



1. A supporting system for the engine driving the rear wheel of a motorized bicycle by means of a friction roller, said system comprising two substantially parallel support members placed along two opposed sides of an imaginary trapezoid positioned in the plane of rotation of the rear wheel, each support member having one end connected with the bicycle frame and the other end connected with the engine, at least one of said support members being of a fixed length and having its ends individually permanently rigidly connected with the bicycle frame and with the engine and being flexible in the plane of said trapezoid for permanently affording free movement of the engine in the plane of and towards and from the rear wheel.

2,574,825

BARREL TRUCK

William L. Guild, Keokuk, Iowa, assignor to Thomas Truck and Caster Co., Keokuk, Iowa a corporation of Iowa

Application October 24, 1949, Serial No. 123,120
3 Claims. (Cl. 214—65.4)



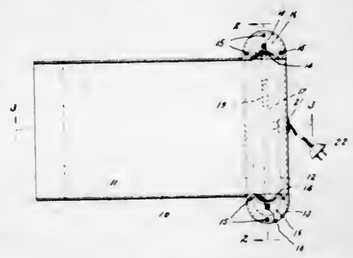
1. A truck for barrels or drums comprising, axle means having a pair of wheels journaled at the ends thereof, a substantially upright plunger secured to the central portion of said axle means, a hollow post telescopically fitted to said plunger, a helical spring enclosed in said post and having one end rigidly fastened to said post and the other end supported on the end portion of said plunger, an inverted U-shaped lower frame member having its central portion integrally secured to the lower end portion of said post and having load bearing toes extending from the extremities thereof, spaced spurs integrally formed on each of the extremities of said lower frame member, an integral stabilizing guide rod extending between said spurs on each of said extremities, and sleeve means slidably mounted for rectilinear movement on each of said rods having integral bearing means supporting said axle means, said toes being at substantially the same level as the floor contacting portions of the wheels when the truck is unloaded and being at a greater distance from the axle when the truck is loaded as compared to when it is unloaded as the result of compression of said spring the truck load is rested on said toes.

2,574,826

WAX PAPER SEALER

Zellen W. Gunn, San Rafael, Calif.

Application February 27, 1950, Serial No. 146,593
1 Claim. (Cl. 219—19)



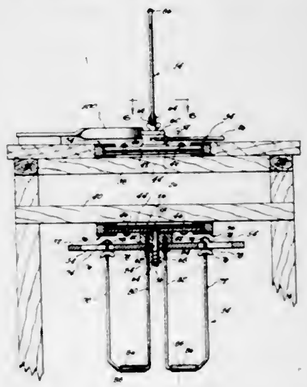
An improved wax sealer for sealing waxed paper covered rolls having folded end portions comprising an apron having side portions, a heated chamber formed from an insulated U shaped member fixed to extension portions of said side portions and provided with an electrical heating resistance unit, pockets located on the opposite sides of said side portions being angularly disposed outwardly from the top face of said apron to the top edge of said side portions.

2,574,827

WEARING APPAREL CONVEYER

Ben Handler, North Bergen, N. J., assignor, by mesne assignments, to Arthur Imerman Undergarment Co., Inc., a corporation of New Jersey

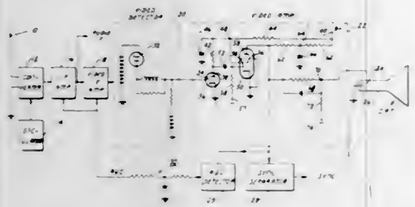
Application January 2, 1947, Serial No. 719,792
7 Claims. (Cl. 198—131)



4. In apparatus of the designated character having an endless conveyor, a plurality of laterally

adjustable open frames carried by said conveyor in spaced relation thereon, each of said frames comprising laterally spaced vertical members having an open space therebetween and positioned to engage a garment placed on the frame and to hold the garment in laterally distended condition across said open space, vertical members disposed between said first-mentioned vertical members in spaced relation thereto, adjustable cross members extending between said first-mentioned vertical members and adjacent one of said other vertical members, respectively, at the upper ends thereof and forming the top of the frame, and means for adjustably securing the lower ends of said first-mentioned vertical members for adjusting the space therebetween, said last mentioned means comprising a lower cross member having slots in which said lower ends of said first mentioned members are positioned and fastening means releasably engageable with said lower ends and said lower cross members, and means including pivot pins connecting said lower cross members, respectively, to said conveyor, said frames turnable about said pivot pins respectively.

2,574,828
WIDE-BAND AMPLIFIER
Lincoln W. Hershinger, Oreland, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 26, 1950, Serial No. 164,452
1 Claim. (Cl. 179—171)



An amplifier comprising first and second electron discharge tubes, the first of said tubes having at least a cathode, an anode, and a grid, the second of said tubes having at least a cathode, an anode, and first and second grid electrodes, means for applying to the grid-cathode circuit of said first tube an electrical signal having both A.-C. and D.-C. components, a pair of load resistors and a source of anode current serially connected in the anode-cathode circuit of said first tube, a by-pass capacitor connected between a point of fixed potential and the junction between said load resistors, means including a capacitor connected between the anode of said first tube and the first grid of said second tube for applying the A.-C. output voltage of said first tube to the first grid-cathode circuit of said second tube, means including a conductive connection between said second grid of said second tube and the junction between said serially-connected load resistors for applying the D.-C. voltage present across one only of said resistors to the second grid-cathode circuit of said second tube, a frequency-compensating load arrangement for said second tube comprising a second pair of load resistors and a source of anode current serially connected in the anode-cathode circuit of said second tube, a by-pass capacitor effectively connected in shunt with one only of said load resistors, and means for deriving a compensated output signal from the series combination of said second pair of load resistors.

2,574,829
PREPARATION OF ORGANIC SULFENYL XANTHATES, SULFENYL TRITHIOCARBONATES, THIOSULFENYL XANTHATES, AND THIOSULFENYL TRITHIOCARBONATES
Chester M. Himel and Lee O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 31, 1948, Serial No. 68,737
14 Claims. (Cl. 260—455)

1. A process for the preparation of an organic sulfur compound of the formula

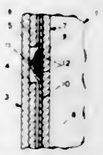
$$R-Y-\overset{\overset{S}{\|}}{C}-S-S_m-R'$$

where R and R' are organic radicals from the class consisting of alkyl, aryl, alkaryl, and aralkyl groups, Y is a member of the class consisting of oxygen and sulfur, and m is an integer of the group consisting of 1 and 2, which comprises reacting an organic sulfur halide of the formula

$$R'-S_m-X$$

where R' is an organic radical selected from the class consisting of alkyl, aryl, alkaryl, and aralkyl groups, X is a halogen selected from the group consisting of chlorine, bromine, and iodine, and m is an integer selected from the group consisting of 1 and 2, with a metal salt selected from the class consisting of xanthates and trithiocarbonates, and forming a corresponding organic sulfur compound selected from the group consisting of sulfenyl xanthates, sulfenyl trithiocarbonates, thiosulfenyl xanthates and thiosulfenyl trithiocarbonates.

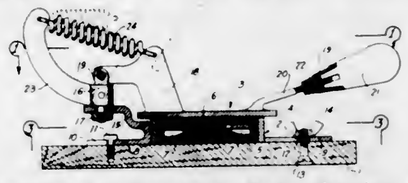
2,574,830
EXPLOSIVE DEVICE
Charles E. Howell, Carthage, Mo., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application November 4, 1949, Serial No. 125,605
16 Claims. (Cl. 102—24)



1. An explosive device adapted to be connected coaxially with similar devices to form an explosive column, comprising a multi-ply paper sleeve carrying an internally disposed female thread having disposed therein in threaded engagement an explosive cartridge having a multi-ply paper shell and carrying an externally disposed male thread; the female thread being a substantially rectilinear groove formed by a flat strip of chipboard spirally disposed about the inner surface of the sleeve in spaced relationship, and the male thread comprising three spirally disposed, substantially contiguous cellulosic cords, the center cord having a substantially greater diameter than the outer cords.

2,574,831
HAMBURGER MOLD
William L. Jameson and Frank L. Rogers, San Jose, Calif.
Application May 27, 1946, Serial No. 672,637
4 Claims. (Cl. 17—32)

1. A mold for shaping material of the character described, comprising a cylindrical ring having a flat bottom plane transverse to the axis thereof, means for fixedly supporting the ring in horizontal position, a floor plate supported in the ring to form a mold chamber therewith for receiving material, and a pressure plate secured with respect to the ring and adapted for cooperation with the upper end of the ring for molding

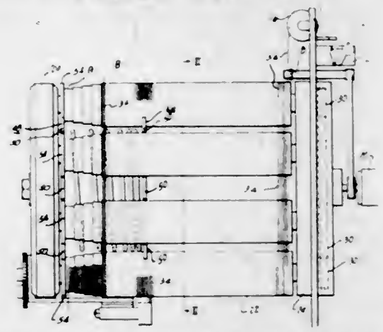


the material to the shape of the chamber, the floor plate being in the form of a disc of a thickness much less than the height of the ring and being threaded into the ring and having finger holds on the bottom surface thereof whereby the floor plate may be turned for adjusting the depth of the chamber.

2,574,832
ADDUCTS OF 1-ALKENES WITH POLYHALOGENATED ALKANES
Morris S. Kharasch, Chicago, Ill., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 5, 1947, Serial No. 739,662
11 Claims. (Cl. 260—593)

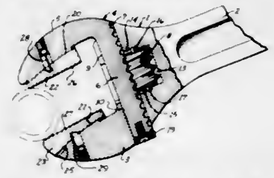
1. Process of producing useful bromine-containing chlorinated organic compounds which comprises subjecting a reaction mixture containing as one reactive component a 1-alkene and containing as another reactive component a halogenated alkane containing only two chlorine atoms and one bromide atom attached to the same carbon atom which in turn is linked to a radical from the class consisting of hydrogen, alkyl, bromine and bromalkyl, to reaction in the presence of a reaction initiator from the class consisting of free radicals formed by the action on the mixture of actinic light, and free radicals formed by the action on the mix of a diacyl peroxide.

2,574,833
APPARATUS FOR DRYING FILAMENTS
Harry A. Kuljian, Merion, Pa., assignor to The Kuljian Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 29, 1948, Serial No. 67,847
6 Claims. (Cl. 34—70)



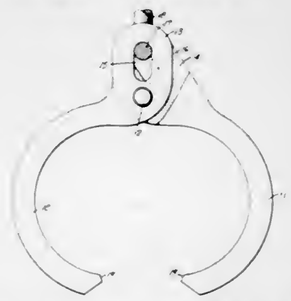
1. Apparatus including a thread storing and advancing reel, means for causing a wet filament to move, in the form of a helix, longitudinally of said reel, means for applying a squeezing action to the filament as it moves in contact with a predetermined portion of the reel, and a heating coil disposed within said reel for radiating heat outwardly against said filament and said reel, the convolutions of the filament being more closely spaced near the point where the squeezing action is applied and progressively more widely spaced in the direction of the end of the reel.

2,574,834
PIPE WRENCH
John R. Leonard, Washington, D. C.
Application October 8, 1947, Serial No. 778,590
4 Claims. (Cl. 81—179)



1. Pipe wrench having upper and lower jaws defining the mouth of the wrench, the confronting faces of said jaws being upwardly curved in a direction from their free ends towards the closed end of the wrench mouth, the curvature of the upper jaw being concave and that of the lower jaw being convex, longitudinal track means on said curved faces, upper and lower jaw members having complementary curved faces engaging the curved faces of said jaws, longitudinally slidable thereupon and retained by said track means, the opposite faces of said jaw members being planiform and toothed and so disposed with respect to the respective curved faces as to mutually converge toward their forward ends when the upper jaw member is in a forward position and the lower jaw member in a rear position, and being mutually slightly divergent toward their forward ends when both are in their forward positions.

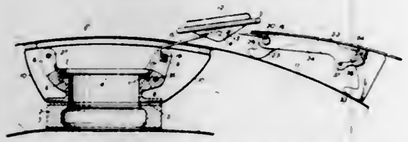
2,574,835
AUTOMATICALLY OPENING AND CLOSING LIFTING HOOK
Frederick R. Loney, Denver, Colo.
Application May 24, 1949, Serial No. 94,964
3 Claims. (Cl. 294—115)



1. A lifting tong comprising: a first arcuately curved, hook-like gripping jaw; a second similar gripping jaw; a hinge pin hinging the two jaws together in opposed relation adjacent their upper ends, both jaws having portions extending upwardly beyond said hinge pin in overlapping re-

lation; a vertically disposed relatively straight slot formed in the overlapping portion of one jaw above the hinge pin and disposed radially thereof; a relatively crooked slot formed vertically in the overlapping portion of the second jaw, said slots being arranged so that when said jaws are in the closed position, the upper portion of both slots will be in registry, and when in the open position, the lower portions of both slots will be in registry and extending diagonally of each other; and a lifting member extending through both slots and arranged to travel throughout the lengths of the slots.

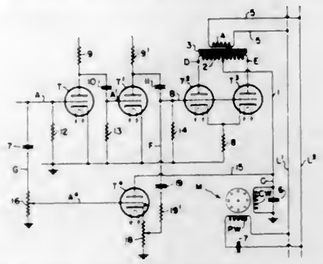
2,574,836
FILLER CAP AND OTHER CLOSURES
Reginald Claude Marcell, Thames Ditton, England, assignor to D. Napier & Son Limited, London, England, a British company
Application August 29, 1949, Serial No. 112,894
In Great Britain September 3, 1948
8 Claims. (Cl. 220—29)



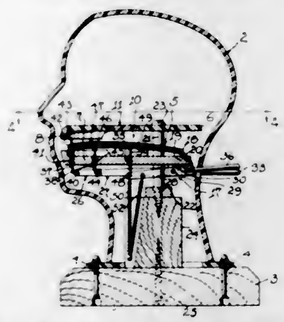
4. A closure device for closing a filling opening of a tank, comprising in combination a fixed seating surrounding the opening and secured to the tank, a cap which can be detachably fitted against the seating to close the opening, a primary lever pivoted at one end to a fixed pivot adjacent the seating at one side of the opening and extending across and carrying the cap, the primary lever being movable about the fixed pivot to a closed position in which it extends across the opening and holds the cap against the seating to close the opening, a floating secondary lever which incorporates a substantially flat main cover having an aperture therein and is pivoted to the end of the primary lever remote from the fixed pivot, and which carries a rigid extension projecting beyond the common pivotal axis of the primary and secondary levers, an abutment provided by a fixed part adjacent the seating on the side of the opening opposite the fixed pivot, detachably engaging said extension when said primary lever is moved to closed position and constituting a fulcrum for the secondary lever about which it may be moved to a closed position in which the main cover overlies the cap, a fixed locking member secured to the tank, and a subsidiary cover in the aperture in the main cover, pivoted to the secondary lever adjacent its free end and carrying a locking member which cooperates with said fixed locking member to lock the free end of the secondary lever in closed position when said subsidiary cover is rotated to lie flush with said main cover.

2,574,837
ALTERNATING-CURRENT MOTOR CONTROL APPARATUS
James C. Mouzon, Wyndmoor, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 26, 1949, Serial No. 78,568
9 Claims. (Cl. 318—210)

1. In motor control apparatus of known type in which an alternating current signal is amplified in a multi-stage electronic amplifier having an output circuit including the anode and cathode elements of electronic valve means and including in series therewith a resonant circuit consisting of a parallel connected condenser and the control winding of a reversible alternating current motor which has also a power winding arranged for connection to a source of alternating current of the same frequency as said signal, the improvement which comprises an electronic damping valve having a control grid and having anode and cathode elements respectively connected to the end terminals of said resonant circuit to which are respectively connected the anode and cathode elements of said valve means, a cathode resistor connected in the cathode circuit of said damping valve, and a control connection and a feed-back connection respectively connecting said control grid and said cathode resistor to points in said amplifier at which the voltages of the signal amplified by the apparatus are of substantially the same phase.



2,574,838
EDUCATIONAL HEAD STRUCTURE WITH SHIFTABLE VOCAL MEMBERS
Frances Farr Olson, Zanesville, Ohio
Application February 9, 1949, Serial No. 75,388
10 Claims. (Cl. 35—28)



1. In an educational apparatus spaced plates simulating the roof and bottom of the mouth of a person, a pliable member arranged between said plates simulating the tongue of the person, shifting means, and a plurality of shifting rods coupled at one end with spaced areas of said pliable member, said shifting rods being extended through and guided by the lower one of said plates and said shifting rods being pivotally coupled with said shifting means to effect by shifting of said rods by said shifting means, shaping of the pliable member to configurations similar to the shapes and configurations of the tongue of a person producing articulate and intelligible sounds in the pronunciation of vowels, consonants and general combinations thereof.

2,574,839
SPECTACLE LENS MOUNT
Harold H. Pelzer, New York, N. Y.
Application August 31, 1948, Serial No. 46,989
1 Claim. (Cl. 88—47)



In spectacles of the class described, the combination of a frame of moldable material having lens openings provided with integral seating flanges on the forward rim and outwardly bevelled inner perimeters extending from the inner sides of said flanges to the rear edges of the frame rims, rimless lenses having rearward bevelled edges the forward perimeters of which are adapted to seat against the frame flanges, three U-shaped resilient retaining members in each lens opening, each of said members having one end imbedded in the rear rim of the lens openings and the free ends projecting inward toward the lens seating flanges and presenting flat surfaces adapted to frictionally engage the width of the bevelled lens edges, said retaining members being located outside the field of vision and so spaced around the lens opening that the edges of the lenses engage two of said retaining members while pressure is applied to the lens adjacent the third member to simultaneously flex said members into position to cause the free flat faces thereof to engage the width of the lens bevels, and recesses in the bevelled frame rims adjacent the free ends of the retaining members into which the free ends enter as the lenses are pressed into position.

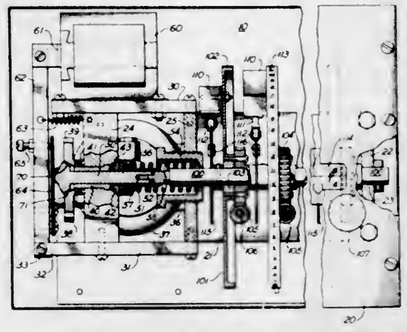
2,574,840
FLEXIBLE MEDICAL PROBE
Jean Piéri and Jean Casalonga, Marseille, France
Application July 3, 1950, Serial No. 171,791
In France July 8, 1949
2 Claims. (Cl. 128—349)



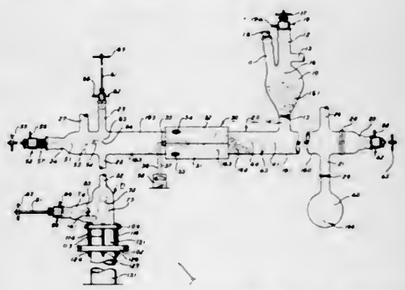
1. Flexible probe for medical purposes comprising a flexible probe body of predetermined thickness having a longitudinal channel therein and an apertured wall, an orientable terminal tip for said body remote from the aperture therein and having walls of reduced thickness, an apertured shoulder portion on the body adjacent the aperture of said body, and a cable connected internally to the tip and passing through the longitudinal channel of the body, said cable emerging from the body through the aperture therein and passing thence through the aperture in the shoulder.

2,574,841
TIMING APPARATUS
Wilson M. Powell and Albert W. Hughes, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application September 28, 1949, Serial No. 118,302
4 Claims. (Cl. 161—1)

1. In a timing apparatus having an intermittently rotatable timer shaft, cam means affixed to said shaft and a switch adjustable in position with respect to said cam and operable thereby, the improvement comprising, means for controlling rotation of said shaft and including, a constant speed motor having a shaft driving gear adapted to rotate continuously, a reciprocable stub shaft in axial driving engagement with said timer shaft, a support for said stub shaft, a braking member on said stub shaft adapted to engage said support in one position of the stub shaft, means normally holding said stub shaft in braking position, a clutch member on said stub shaft adapted to engage the shaft driving gear in a second and axially displaced position of the stub shaft and intermittently operable clutch engaging means adapted to force the stub shaft into engagement with the shaft driving gear and to release the braking member from engagement with the support.



2,574,842
METHOD AND APPARATUS FOR PURIFYING AND PACKAGING URANIUM HEXACHLORIDE
Charles H. Prescott, Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application September 2, 1944, Serial No. 552,556
3 Claims. (Cl. 23—14.5)

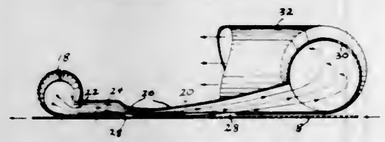


1. The process of preparing and packaging uranium hexachloride comprising heating uranium pentachloride at a temperature below about 250° C. whereby uranium hexachloride is formed and exists as a vapor, condensing the vapor, thus obtained the hexachloride as a sublimate deposited in situ as a solid in the condensing zone, thereafter removing said solid deposit by splitting the same and separately charging the broken-apart sublimate into a container, and hermetically sealing the container, all while maintaining the uranium hexachloride under vacuum.

2,574,843
INSULATING FINISHING CEMENTS
Merwyn C. Randall, Philadelphia, Pa., and George S. Gethen, Collingswood, N. J.
No Drawing. Application April 4, 1949, Serial No. 85,478
5 Claims. (Cl. 106—104)

2. An insulating finishing cement comprising by weight: Bentonite, 1 part; aluminous cement, 1 to 4 times the weight of bentonite; fly ash, 0.5 to 1.5 times the combined weight of bentonite and aluminous cement; and mineral wool in an amount corresponding to ⅓ to 1 times the combined weight of said bentonite, aluminous cement, and fly ash.

2,574,844
APPARATUS FOR DRYING SHEET MATERIAL
William F. Roden, Carl Place, N. Y.
Application April 16, 1949, Serial No. 87,901
3 Claims. (Cl. 34—159)



1. In an apparatus for progressively drying a wetted surface of continuous sheet material, in combination with means for moving said material, a casing having a bottom wall formed with an opening in overlying spaced relation to said surface, means for continuously delivering a layer of flowing dehydrated air to one side of said casing in contact with said surface through the casing opening, said casing having a top wall formed as a semi-Venturi tube section above opening whereby to simultaneously increase the velocity and reduce the thickness of said flowing layer of dehydrated air contacting said surface as the sheet material is moved along its path beneath the opening, and cone-shaped outlet means at the other side of the casing acting to recover said air therefrom by suction after it has contacted said surface of the sheet material.

2,574,845
SHEET METAL REEL
Frederick R. Schaefer, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application November 4, 1949, Serial No. 125,464
2 Claims. (Cl. 242—123)



1. A heavy-duty, light-weight metal reel, suitable for carrying cable and the like, comprising a cylindrical sheet metal hub and reel ends attached thereto, said hub having circumferentially spaced ears extending from its ends and bent radially inward near their ends, each of said reel ends including a sheet metal ring and a disk, said ring having a body portion perforated for said ears to extend through and being bent axially outward to bear against the inner surface of said ears and having an inwardly extending flange at its inner edge, said disk having a body portion indented at circumferentially spaced points to bear against said inwardly extending ears, means securing said disk, ring and ears in assembled position, the outer portions of said ring and disk being connected to form a rim.

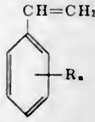
2,574,846
FISH STRINGING DEVICE
John Fred Scheidt, Moorhead, Minn.
Application October 27, 1947, Serial No. 782,430
1 Claim. (Cl. 224—7)



In a fish stringer, the combination of a wire stem provided at one end thereof with a closed eye, and a transverse bar pointed at both ends thereof and provided intermediate its ends with a loop extending through said eye, whereby to movably connect said bar to said stem.

2,574,847
COPOLYMERS OF STYRENE OR DERIVATIVE THEREOF AND AN ESTER OF AN ABIETYL ALCOHOL AND AN α,β-ETHYLENICALLY UNSATURATED CARBOXYLIC ACID
Glenwood L. Schertz, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 24, 1948, Serial No. 67,246
16 Claims. (Cl. 260—27)

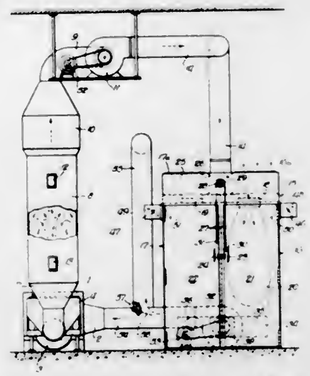
15. A copolymer of an ester derived by esterifying an abietyl alcohol with an α,β-ethylenically unsaturated carboxylic acid and a compound having the following structural formula



wherein R is a substituent on the phenyl group selected from the class consisting of halo and methyl and *n* is a number from 0 to 3 inclusive, said abietyl alcohol being selected from the group consisting of abietyl alcohol, dihydroabietyl alcohol, tetrahydroabietyl alcohol, dehydroabietyl alcohol, and mixtures of such alcohols, said ester being present in an amount of from 5% to 95% by weight of the copolymer.

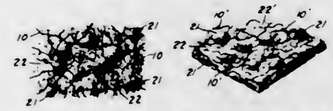
2,574,848
FEATHER DRYING SYSTEM
Arthur M. Schroeder, Chicago, Ill.
Application May 18, 1946, Serial No. 670,661
5 Claims. (Cl. 34—2)

1. A feather drying system comprising a drying chamber, a heater, a first blower to force air through said heater into said drying chamber, a feed means to feed wet feathers into the hot air stream in advance of said drying chamber, a second blower to draw dry feathers and hot air out of said chamber, a bag filling compartment connected to receive said air feather mix, means in said compartment for releasably supporting a bag in a position to catch the feathers from said second blower, and a conduit connected between



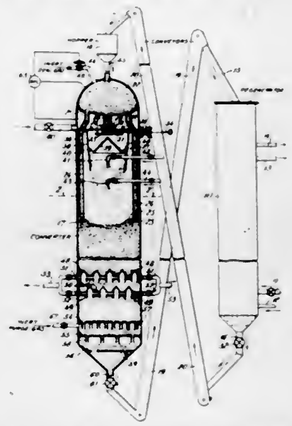
said filling compartment and said first blower to exhaust air from the space within said compartment and surrounding said bag, said first blower having a greater volumetric capacity than said second blower to produce a lower pressure in the filling compartment space surrounding the feather receiving bag than in the interior of said bag.

2,574,849
RESILIENT COMPRESSIBLE FIBROUS PRODUCT
Anselm Talalay, New Haven, Conn., assignor to The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut
Application August 8, 1947, Serial No. 767,458
10 Claims. (Cl. 117—140)



1. A resilient compressible bulk material of stereoreticulate open filamentary structure comprising an unwoven unfelted skeleton framework of relatively strong resilient fibers individually heavier in cross section than 74 deniers mutually entangled in a manner to leave spaces therebetween of sufficient size to permit said fibers to flex within said spaces, and an unwoven unfelted fleece of relatively weak fibrils individually more flexible than said fibers individually lighter in cross section than 41 deniers mutually entangled in a manner to leave voids therebetween more minute than said spaces but of sufficient size to permit said fibrils to flex within said voids, portions of said fleece occupying said spaces and forming a compressible and stretchable padding imprisoned and interspersed at least in part between said fibers and penetrated thereby, and a resilient agglutinant substance thinly coating and bonding to one another at spaced points said fibers and coating and bonding to one another at spaced points said fibrils and bonding to one another at spaced points at least some of said fibers and some of said fibrils, said coating being sufficiently sparse to leave empty room in said spaces and voids sufficient to permit free individual flexing of said thinly coated fibers and fibrils therein in unbonded sections of their length.

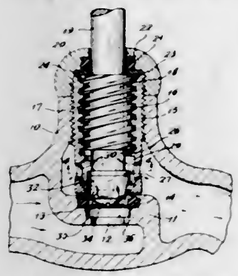
2,574,850
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION
Ernest Utterback, New York, and Frank C. Fahnestock, Manhasset, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application January 2, 1947, Serial No. 719,724
26 Claims. (Cl. 196—52)



1. The method for converting high boiling liquid and mixed phase hydrocarbons to lower boiling gaseous hydrocarbons which comprises maintaining a substantially compact column of particle-form contact material throughout a portion of the length of a confined substantially vertical conversion zone so as to provide a gas space within the upper portion of said zone, maintaining a confined accumulation of particle-form contact material above said conversion zone, supplying contact material at a suitable elevated conversion supporting temperature to said confined accumulation, passing a plurality of confined streams of said contact material through a plurality of confined passages extending downwardly from said accumulation through said gas space in said conversion zone to the surface of said column of contact material in said conversion zone, said confined streams extending downwardly through said gas space only along a plurality of uniformly spaced lines near the periphery of said conversion zone, withdrawing contact material from the lower portion of said conversion zone at a controlled rate, introducing a spray of a high boiling hydrocarbon charge at least partially in the liquid phase into said gas space in the upper portion of said conversion zone at a location positioned substantially centrally of the horizontal cross-sectional area of said gas space, introducing at least one separate stream of said contact material at a controlled rate from said accumulation into the upper section of said gas space substantially centrally of its horizontal cross-sectional area, passing contact material from said stream downwardly through a central portion of said gas space as a dispersed, freely falling shower of particles, so as to contact said liquid hydrocarbon spray in said gas space before falling onto the surface of said column, passing the hydrocarbon charge through said conversion

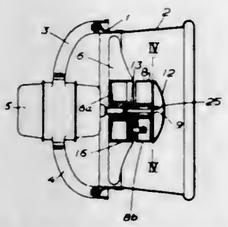
zone concurrently with the contact material flow in said column withdrawing gaseous conversion products from said column within the lower section of said conversion zone, and maintaining an inert gaseous blanket within said confined accumulation above said conversion zone to prevent flow of hydrocarbons thereinto.

2,574,851
PLUMBING VALVE
Cletus P. Wagner, Marysville, Ohio, assignor to H. B. Salter Mfg. Co., Marysville, Ohio, a corporation of Ohio
Application June 30, 1948, Serial No. 36,154
4 Claims. (Cl. 251—27)



1. In a plumbing fixture, a valve comprising a body member, a stem movable endwise in said body member, a separable molded tip for said stem, means for detachably mounting said tip on the end of the stem, said tip having lengthwise flutes extending backwardly from the end of the tip, said flutes merging with the cylindrical wall of the tip by means of curved surfaces exclusively, and a compressible O-ring in the body member constrained against material movement longitudinally of that member and adapted to closely engage the cylindrical surfaces of said tip, whereby wear on the ring due to relative movement of the ring and tip is reduced to a minimum.

2,574,852
HUMIDIFYING APPARATUS
Sven W. Wallin, Jonkoping, Sweden, assignor to A. B. Svenska Flaktfabriken, Stockholm, Sweden
Application September 27, 1946, Serial No. 699,670
In Sweden June 20, 1945
5 Claims. (Cl. 261—90)



1. Apparatus for humidifying air comprising a tube, open at both ends, a propelling fan and motor fixedly connected to said tube and having a hub member thereon, a disc substantially coaxial with and driven by said fan at a velocity greater than that of the fan by means of gearing, a cylindrical supporting member for said disc enclosing said gearing and mounted between said disc and the hub member of the fan, said cylindrical supporting member having an arm pivotally secured to said tube, and a supply pipe for liquid arranged to pour liquid over said disc, said fan, supporting member and disc being mounted substantially coaxially inside said tube with their axes parallel with the axis of the tube, and said hub member, supporting member and disc being of the same external diameter and together forming a substantially cylindrical body which provides between itself and the internal surface of the tube a substantially annular space for the air to pass through.

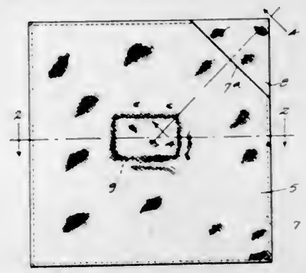
2,574,853
STABILIZED AIRCRAFT ANTENNA
Roger Ward, Upper Falls, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application October 12, 1945, Serial No. 622,005
5 Claims. (Cl. 244—77)



1. A safety device for an aircraft comprising an antenna support mounted on said aircraft for rotation relative thereto about a first pivot axis parallel to the plane defined by the pitch and roll axes of said aircraft, a pair of directional antennas carried by said support for conjoint rotation relative thereto about a second pivot axis extending substantially perpendicular to said first pivot axis, said antennas being angularly oriented with respect to one another in a plane substantially perpendicular to said second pivot axis whereby a first of said antennas is adapted to transmit and receive radiant energy along a path extending substantially vertically downwardly from said aircraft and said second antenna is adapted to transmit and receive radiant energy along a path extending downwardly and forwardly from said aircraft at a predetermined angle to the vertical, stabilizing means carried by the aircraft for conjointly rotating said antennas about said pivot axes to maintain them in said oriented positions despite pitching or rolling movements of said aircraft, distance measuring means associated with each of said antennas for measuring the distance from said aircraft to the ground along each of said paths, means responsive to said measuring means for comparing said distances, and means responsive to said comparing means for causing said aircraft to climb whenever the ratio of the distance to ground along said vertical path to that along said inclined path exceeds the cosine of the angle between said paths.

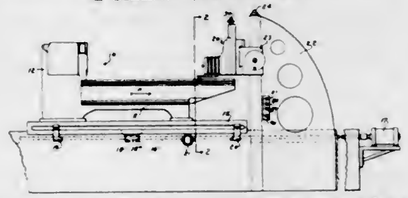
2,574,854
WASH RAG STRUCTURE CONSTRUCTED TO CONTAIN SOAP
Frank West, Cincinnati, Ohio
Application November 15, 1946, Serial No. 710,093
1 Claim. (Cl. 15—122)

A wash cloth comprising a pair of superimposed plies of cloth which are substantially rectangular in shape, said plies being secured together and one of said plies having a corner portion cut-a-way along a bias leaving the adjacent cloth ply portion free and unattached and providing an opening at said corner portion for the insertion of soap between the plies, said plies being attached only along their outer edges to provide a wash cloth wherein said plies and soap contained therebetween are moveable relative



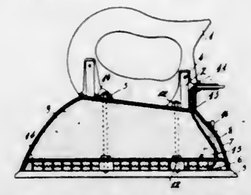
to each other to build up a foamy lather within the wash cloth which oozes outwardly through the pores thereof.

2,574,855
INDUCTION HARDENING OF WAYS OF MACHINE TOOLS
James D. Williams, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 17, 1948, Serial No. 39,234
1 Claim. (Cl. 219—47)



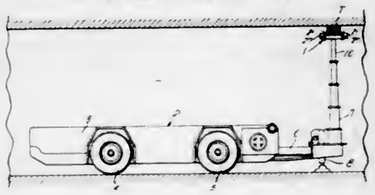
In an apparatus for hardening a way of a machine tool bed, the combination of means for supporting said bed, an inductor shaped to extend transversely of and substantially parallel with the surfaces of a way to be hardened on said bed, means including a transformer for supplying alternating electrical current of relatively high frequency to said inductor, means supporting said transformer closely adjacent the way to be hardened, clamping means carried by said transformer on the side thereof adjacent the way to be hardened and removably supporting said inductor in close proximity to the way, a reversible electric motor operatively connected to one of said supporting means for producing relative movement between said inductor and the way whereby the surfaces of the way are progressively heated to a hardening temperature, an electric circuit for controlling energization of said motor and the supply of electrical current to said inductor, electric switch means in said circuit operative when actuated to substantially simultaneously reverse the direction of rotation of said motor and terminate the supply of electrical current to said inductor, the said switch means being mounted on one of said supporting means, switch operating means adjustably mounted on the other of said supporting means for engagement with said switch means after a predetermined length of the way has been heated so that the inductor and way resume their initial relative positions without further heat treatment of the way, manually operable switch means in said circuit for effecting reversal of said motor and termination of the current supply to the inductor at any time while the way is being heated, and means in said circuit for varying the energization of said motor to thereby automatically increase the speed of said motor when the direction of rotation of the latter is reversed by operation of either of said switch means, whereby the return relative movement of the inductor and way is at a higher speed than the relative movement in the direction in which the way is heated.

2,574,856
ELECTRIC IRON
Alfredo Amuchastegui, Buenos Aires, Argentina
Application October 13, 1947, Serial No. 779,505
3 Claims. (Cl. 219—25)



1. An electric iron and the like comprising a metal base member, a heating means adjacent the base, an internal cover plate extending over the heating means and forming a space above and below the heating means, an outer cover on the base member, an envelope adjacent the outer cover, and a filling of a heat retaining material in the envelope, said filling including a plurality of cubes of insulating material provided adjacent the base.

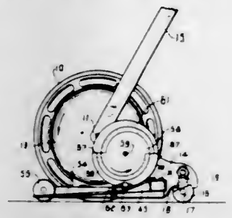
2,574,857
YIELDABLY MOUNTED TILTABLE SUPPORT FOR MINE TIMBERING MACHINES
Charles F. Ball, Franklin, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1948, Serial No. 24,534
12 Claims. (Cl. 214—95)



1. In a yieldably mounted, tiltable support, the combination comprising a base member, an elongated load receiving platform mounted on said base member to tilt about a transverse axis relative thereto, said axis of tilt located substantially midway between the ends of said platform, and preloaded yieldable elements arranged between said base member and said platform at points spaced equidistantly from the platform-pivot and on which said platform at the opposite sides of its pivot rests and is entirely supported at its ends when in horizontal position for normally preventing undesired tilting of said platform in the event a load is in slightly off-balance position thereon, means for maintaining said elements under a predetermined compression, said elements yieldable to permit tilting of said platform about said transverse axis only when the load has a substantial extraneous force imparted thereto tending to tilt the load, said yieldable elements at one end of said platform being further com-

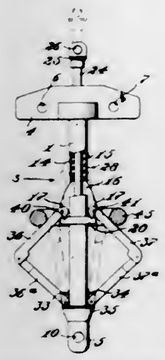
pressed as said end tilts downwardly relative to said base member due to unbalanced loading of said platform while the opposite end of said platform tilts upwardly away from said expanded preloaded yieldable elements at said opposite end whereby said upwardly tilted end is at that time supported on said base member wholly independently of said elements last referred to.

2,574,858
BORDER CLIPPING DEVICE
Henry Carter, Victoria, British Columbia, Canada
Application January 27, 1947, Serial No. 724,681
3 Claims. (Cl. 56—241)



1. A border clipping device comprising a vertical wheel, a frame carried by the wheel, a pair of clippers supported by the frame, said clippers having blades normally lying substantially parallel to the ground, means for adjusting the clippers angularly and laterally in relation to the ground, a wheel having a plurality of cam surfaces rotated by the vertical wheel, said cam surfaces being for different angular settings of the clippers, an arm connected to one of the clipper blades, a roller on the opposite end of the arm adapted to ride on the cam surfaces, and spring means resiliently urging said roller against any of the cam surfaces, said surface depending upon the angular setting of the clippers.

2,574,859
MOORING SHACKLE
John Elmer Chisholm, Medford, Mass.
Application February 11, 1948, Serial No. 7,689
4 Claims. (Cl. 114—221)



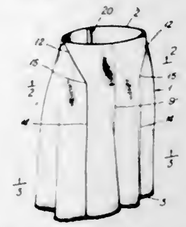
2. A mooring shackle comprising an elongate bar having means by which it may be secured to a mooring line; a lug slidable longitudinally of said bar; toggle links, one of which is pivotally connected to said bar, and the other of which is pivotally connected to said lug; resilient means acting on said lug so as yieldingly to hold said links in a normally locking position, wherein one of said links engages a loop member of predetermined size to prevent said bar, lug and links from passing through the loop member, to a collapsed position, wherein said bar, lug and links may be passed through said loop member; and means connected with said lug and attachable to a control line for sliding said lug longitudinally of said bar, thereby to collapse said links so that said bar, lugs, and links may be drawn through and disengaged from the loop member.

2,574,860
GARMENT HANGER AND ATTACHMENT THEREFOR
John M. Coffin, Silver Spring, Md.
Application March 26, 1948, Serial No. 17,207
4 Claims. (Cl. 223—98)



1. An attachment for a garment hanger of the type comprising a wire, bent to form angular shoulder supporting arms connected by a cross bar and having a suspending hook, said attachment comprising an elongated body member adapted to rest upon said cross bar in parallel relation, for supporting a pair of trousers or a skirt folded thereover, said body member having upwardly directed retaining elements at each of its longitudinal extremities for detachably engaging beneath respective shoulder supporting arms at points intermediate the extremities of the latter.

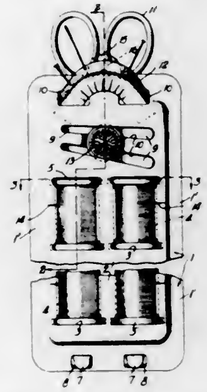
2,574,861
WOMAN'S PETTICOAT
Lenore B. Cooley, New York, N. Y.; First National Bank of Santa Fe executor of said Lenore B. Cooley, deceased
Application November 23, 1946, Serial No. 711,858
3 Claims. (Cl. 2—224)



1. A petticoat embodying front, back and side panels, each of the front and back panels comprising two mating parts, each part having a width at the waistline of approximately one-fourth the waistline of the garment and having a side edge to join its mating side panel composed of two straight edges disposed at an obtuse angle, the other side of each part having a concave curved side edge extending downwardly and having a shorter curved edge extending downwardly from said concave edge to the bottom, the

shorter curved edges of the front panel parts at the bottom being fastened respectively to the similar parts of the back panel thereby providing inside leg seams, said side panels being tapered from bottom to top and the top tapering sharply to a point at the waistline to match the two straight edges at each side of the corresponding front and back panels which are disposed at an obtuse angle.

2,574,862
SPOOL HOLDER
Harvie J. Duke, Basking Ridge, N. J.
Application March 11, 1949, Serial No. 80,989
2 Claims. (Cl. 242—137)



1. A spool holder box, comprising a body having side walls and a front wall provided with a plurality of spaced openings each of which is of the general shape and height but of less breadth than that of a conventional spool of thread, a plurality of spools of thread in said openings each of which has a minor longitudinal segmental exteriorly exposed portion projecting entirely through and contacting the edge of the related opening to limit its projection therethrough and to space the spools apart, and a cover contacting the opposite portions of the spools to hold them in place in said openings, the side walls of said body having seats and said cover having resilient snap engagement with said seats to hold the cover to the spools, said exposed portions of the spools being manipulable to bring the end of the thread of any spool around to its related opening without removal of said cover.

2,574,863
LOW AIR PRESSURE ALARM FOR MOTOR VEHICLE TIRES
Charles Libbe Dyke, Orange City, Iowa
Application September 5, 1945, Serial No. 614,502
4 Claims. (Cl. 116—34)

1. A low pressure alarm device for attachment to a vehicle wheel including a central disc having an outer flange and an inflated tire seated in said flange, said device comprising an arm, means for swingably connecting one end of said arm to said disc between the disc center and said flange, said arm extending past said flange and having its other end engageable with the side of said tire, said arm being shaped between its ends to permit constant contact with said flange only when said tire is fully inflated, a transverse flange on said arm at the point where said arm is swingably connected to said disc defining with said arm a V-shaped seat, a V-shaped wedge fitting said seat and lifted therefrom when said arm is swung away from said flange, resilient means biasing said wedge into said seat, and



means for supporting said resilient means from said disc, whereby rotation of said wheel with said tire incompletely inflated and therefore laterally bulged at its bottom will effect intermittent knocking impact of said arm with said flange.

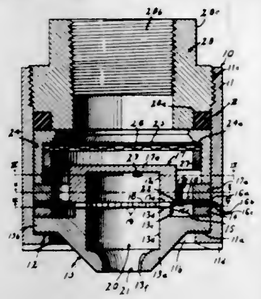
2,574,864
ACYL UREIDE PREPARATION
Eddy W. Eckey, Cincinnati, Ohio, and Andrew Doyle Abbott, Fairfax, Calif., assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application January 2, 1947, Serial No. 719,942
12 Claims. (Cl. 260—404.5)

1. A process for the production of acyl ureides which comprises contacting a fatty acid ester of an aliphatic polyhydric alcohol with urea in the presence of an amount of a low temperature molecular rearrangement catalyst not substantially exceeding the equivalent of five per cent by weight of sodium methoxide based on the combined weights of the said ester and the said urea, the said contact being made at a temperature below 150° C. and below the decomposition temperature of the urea and within the range of which the lower limit is the lowest temperature at which at least a portion of the said ester is liquid and the upper limit is the highest temperature at which the fatty acid ureide formed in the reaction can crystallize from the reaction mix as it is formed, and maintaining the temperature within said range while progressive crystallization of the fatty acid ureide takes place.

2,574,865
SPRAY NOZZLE
Miles Lowell Edwards, Longview, Wash.
Application June 17, 1947, Serial No. 755,099
9 Claims. (Cl. 299—118)

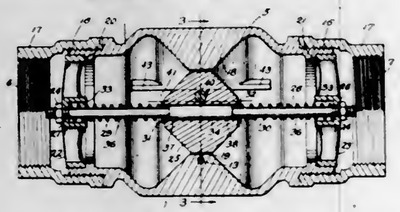
9. In combination in a spray nozzle construction, a spray discharge assembly including means defining a vortex chamber, said means including an annular series of angularly disposed flow paths directed transversely into the vortex chamber, means defining a casing enclosing said vortex chamber means and having an inlet for fluid under pressure, said vortex chamber means including an annular shoulder outside of said chamber and disposed adjacent the outer ends of and at the upstream side of said flow paths and facing downstream, and an annular member having its inner margin bearing in fluid-checking relation against said shoulder and blocking flow of the pressure fluid from within the casing into said vortex chamber through said flow paths, the

outer margin of said member being held in position within the casing means and the inner margin being biased against said shoulder, said inner margin of the member being movable away from



said shoulder under predetermined fluid pressure to a fluid passage spacing with respect to said shoulder proportionate to the fluid pressure, whereby to control the pressure fluid supply through said flow paths in sheet-like form.

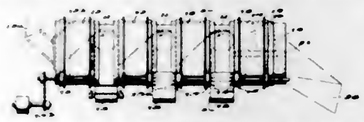
2,574,866
MAGNETIC FLOW GAUGE
Henry W. Fahrlander, Hamilton, Ohio
Application February 25, 1947, Serial No. 730,774
5 Claims. (Cl. 73—210)



1. A flow gauge comprising in combination, a hollow body of non-magnetic material having inlet and outlet ports, and an intermediate constricted opening affording communication between said ports, a shiftable plug and means mounting the plug for movement through said opening, yielding means normally maintaining the plug in substantial closing relationship within the opening, and responsive to a flow of fluid through the body from one port to the other tending to displace the plug from the opening and thereby increasing the flow therethrough, a pair of calibrated dials arranged upon opposite sides of the gauge body exteriorly thereof, a pair of movably mounted pointers at least a portion of which is composed of magnetic material each arranged to sweep one of the calibrated dials, and a magnet carried by the plug and operative directly upon the pointers for imparting shifting movements of the plug to said pointers.

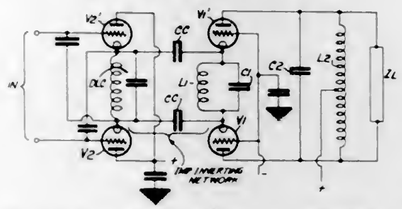
2,574,867
WORK BLASTING EQUIPMENT
Wiltie I. Gladfelter, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application August 3, 1948, Serial No. 42,209
17 Claims. (Cl. 51—13)

8. In a shake-out drum for a work blasting machine, and in combination, a threshold zone, a tumbling zone, and a delivery zone, spiral vane means for feeding work through said tumbling and delivery zones, said vane means extending across substantially the entire cross-section of said drum adjacent said threshold zone, work



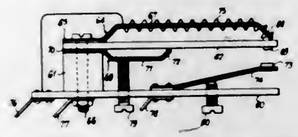
tumbling means between the convolutions of said vane in said tumbling zone, said drum being perforated at least adjacent the advancing side of said vane in said delivery zone.

2,574,868
ELECTRON DISCHARGE TUBE CIRCUIT ARRANGEMENT
Ernest Green, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application October 18, 1947, Serial No. 780,735
In Great Britain October 18, 1946
2 Claims. (Cl. 179—171)



2. In an amplifier system: an electron discharge device structure having a control grid which is at ground or equivalent potential, said structure also having an anode in an output circuit and a cathode which is above ground or equivalent potential; a source of electrical energy to be amplified, said source being of low impedance and comprising an electron discharge tube structure having a control grid excited by electrical energy to be amplified, having a cathode and having an anode coupled to a source of direct potential; and an impedance inverting network coupling the last-named cathode to the first-named cathode.

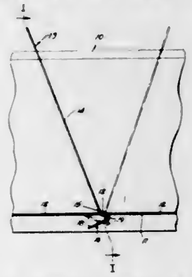
2,574,869
SWITCH
John Dudley Francis Green, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application December 9, 1948, Serial No. 64,305
In Great Britain December 10, 1947
8 Claims. (Cl. 200—122)



1. A thermal switch device comprising a base member, a bowed-section spring strip, means for rigidly supporting one point of said strip relative to said base member, two bearing members in contact with said strip at points spaced from each other and from said one point longitudinally of said strip, said bearing members being so ar-

ranged as to be capable in conjunction with said means to produce a moment tending to bend said strip transversely and oppositely to its bowed section, two thermo-expansion means each interposed between one of said bearing members and said base member for causing said bearing members to increase and decrease the bending force on said strip upon a rise in temperature, said thermo-expansion means being so dimensioned in relation to each other that the increase in said moment produced by one thermo-expansion means under any variation of temperature is substantially compensated for by the decrease in said moment produced by the other thermo-expansion means under the same variation of temperature, and means for producing a difference in temperature between the two thermo-expansion means whereby to cause the strip to suddenly change its curvature.

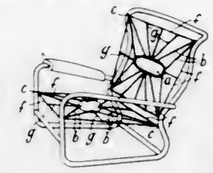
2,574,870
FILING DEVICE
Donald A. Gunn, Kenmore, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application February 25, 1950, Serial No. 146,235
3 Claims. (Cl. 129—16)



1. In a filing device having a base member, transversely extending slots at spaced intervals from front to back of said base member, and a series of dividers each having depending tongue means at its lower edge cooperative with said slots for locating said dividers transversely and tiltably in spaced relation along said base member; each of said tongues having, in closely spaced relation with respect to the lower edge of its associated divider, a rearwardly bent formation merging into a forwardly bent formation, both of said formations extending out of the plane of said divider to an extent greater than the distance from the front to back edges of each of said slot, said formations, in conjunction with the body of the divider adjacent said tongue means, the slot and the material of the base member immediately behind and in front of said slot respectively, operating to define the rearward and forward limits of tilt between which the divider is movable.

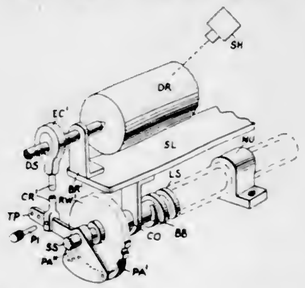
2,574,871
RESILIENT CUSHIONING SUPPORT FOR CHAIRS OR THE LIKE
Maximilian Heller, London, England
Application October 7, 1947, Serial No. 778,519
In Great Britain October 24, 1946
4 Claims. (Cl. 155—179)

1. A resilient cushion support for a chair or the like extending across a substantially rectangular area within a rigid frame, comprising a plurality of tensile springs, a substantially centrally positioned member solely suspended by said tensile springs the latter being oppositely tensioned when mounted, said substantially centrally positioned member being made of inextensible material and at least two of said springs extending directly and convergently from said central member to each corner of said rectangu-



lar area, the whole construction being such that said cushion support constituted by said central member and said suspension springs extends across a comparatively large area and provides its greatest degree of resilient support at and around the central member.

2,574,872
MEANS FOR EFFECTING TRANSVERSE PARALLEL PLANE SCANNING OF THE ROTARY DRUM
Frederick William Jarvis, London, England, assignor to Associated Newspapers Limited, London, England, a company of Great Britain
Application April 11, 1946, Serial No. 661,195
In Great Britain April 13, 1945
18 Claims. (Cl. 346—132)



18. In a picture telegraph instrument of the kind in which a rotary medium-bearing drum is scanned continuously, a rotary medium-bearing drum member, a scanning member mounted to focus a scanning spot on said drum member, mounting means for said drum member, means for so rotating said drum member that it is scanned by said scanning member in contiguous endless lines, each extending peripherally around the drum member and the lines being in parallel planes disposed at right-angles to the longitudinal axis of the drum member, a nut, a lead screw idle during scanning in said lines, said lead screw carrying said mounting means, said drum member being threaded to said nut, and means to turn said lead screw in said nut at the instant of completion of each of said endless line-scanning rotations of said drum member to slightly slide said mounting means and drum member in a path parallel to the axis of said lead screw to position said members to start scanning of the next succeeding endless line.

2,574,873
SURGICAL STOCKING
Conrad Jobst, Toledo, Ohio
Application May 23, 1949, Serial No. 94,831
3 Claims. (Cl. 128—165)

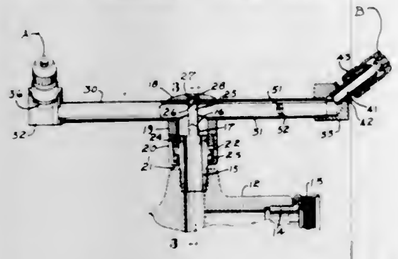
1. A stocking formed of an elastic fabric having the circumferential length of longitudinally

spaced portions thereof progressively decreased from the upper end to the lower portion in



greater ratio than that of the limb for which the stocking is designed.

2,574,874
CALIBRATED TWO-ARM SPRINKLER
Charles H. Koeppel, North Woodbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 17, 1950, Serial No. 150,316
2 Claims. (Cl. 299—69)



1. A sprinkler comprising a base having a hollow post, a head rotatable on said post, a pair of conduit arms extending laterally from said head in opposite directions, a driving nozzle permanently fixed to the outer end of one arm and extending at an upward angle in a plane tangent to the path of rotation of the outer end of such arm whereupon the reaction of water issuing from said nozzle rotates said head and arms, a second nozzle fixed permanently to the end of the other arm and set at an acute angle from the axis of its supporting arm as viewed from the top and directed to the same side of the arm axis as said first nozzle so that water issuing from the second nozzle retards the rotation of the head caused by said first nozzle, the fixed angle of said second nozzle also being in an upward direction, one of the said arms having a supplemental discharge opening positioned so that water issuing therefrom will assist said rotation, each of said nozzles having means to adjust the volume of water issuing therefrom, and markings carried by said adjusting means to indicate the size of the area to be sprinkled by various settings of said adjusting means.

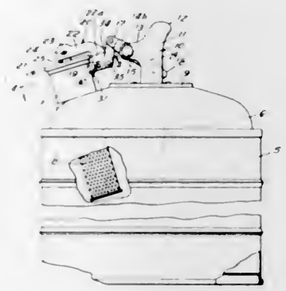
2,574,875
FASTENER DRIVING DEVICE
Joseph Conrad Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware
Application June 5, 1947, Serial No. 752,717
21 Claims. (Cl. 1—51)

1. An impact tool of the class described comprising a reciprocable driver which moves in one direction to deliver an impact and in the opposite direction to a retracted position, a spring for moving the driver on its impact stroke, a fluid pressure piston and cylinder for moving



the driver to compress the spring, and rigid means releasably connecting the piston and driver during such spring compressing stroke, and means for releasing said last named means when the spring is compressed.

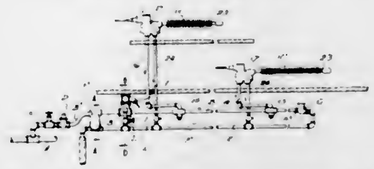
2,574,876
LEVER ACTUATED OPERATING MECHANISM FOR SPOUT CLOSURES
William A. Lebus, Chicago, Ill., assignor to The Protectoseal Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1947, Serial No. 781,545
8 Claims. (Cl. 222—473)



1. In operating mechanism for spout closures, a can handle having a handle grip, a lever fulcrumed intermediate its ends on said handle below said handle grip and having a hand grip adjacent one end paralleling said handle grip and movable toward and away from said handle grip, a spout adjacent the other end of said lever, a closure therefor, a pivotally mounted closure carrying member, a spring functioning to urge the closure carrying member to the closed position of the closure and linkage pivotally connected to the lever and to the closure carrying member for transmitting movement of said lever when the hand grip thereon is moved toward the handle grip to said closure carrying member in a direction operative to move the closure to an open position.

3. In operating mechanism for spout closures, a can handle having two spaced legs and a hand grip connecting said legs, a lever having two lever arms fulcrumed upon said legs and connected at one end by a hand grip paralleling said handle grip and adapted to be manually moved towards said handle grip, a spout, a closure therefor, a closure carrying member pivoted on an axis paralleling the axis of the lever, a spring engaging said closure carrying member and adapted to urge the latter toward the closed position of the closure, and linkage pivotally connected to the lever and to the closure carrying member and forming with said lever a toggle joint.

2,574,877
AUTOMATICALLY CONTROLLED VAPOR HEATING SYSTEM
Timothy J. Lehane, John Van Vulpen, and Raymond J. Vlaming, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application June 8, 1945, Serial No. 598,280
2 Claims. (Cl. 237—6)



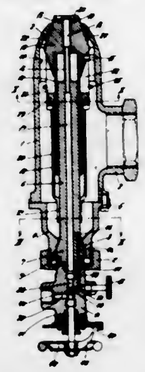
1. In a steam heating system, a source of high pressure steam, a main feed pipe leading from said source, a valve structure having a thermostat chamber and including a valve for controlling the pressure in said main feed pipe, a plurality of radiators, separate branch feed pipes leading from the main feed pipe to each of the radiators, a main return pipe connected with the remote end of said main feed pipe and opening into said thermostat chamber, separate branch return pipes leading from each of the radiators to the main return pipe, continually open flow restricting devices interposed in each branch return, a continually open flow restricting device at the junction of the main feed and return pipes, whereby the steam is maintained in the main feed pipe at a higher pressure than in the main return pipe, a thermal sensitive member in said thermostat chamber and operatively connected with said valve and responsive to temperature changes adjacent the end of the main return pipe for opening and closing said valve, a by-pass conduit leading from the main feed pipe at the low pressure side of said valve, whereby steam may be by-passed directly from said valve to said thermal sensitive member, a normally closed valve selectively operable electrically or by predetermined steam pressure exerted against the valve for opening said by-pass conduit, a manually operable valve for closing the main passage of the by-pass conduit, and means providing a continually open but flow restricting passage around the last mentioned valve.

2,574,878
SAGGER PIN
Albert W. Liversage, New Castle, Pa., assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa., a national banking association
Application April 23, 1948, Serial No. 22,742
3 Claims. (Cl. 25—153)



1. A sagger pin for supporting green ware during a glost fire comprising an elongated refractory pin having a substantially constant triangular cross-section throughout its length, a plurality of integral spaced longitudinal ridges on one face thereof, said ridges being of the same height and having triangular cross-sections to provide sharp apices, whereby ware supported by said pin will contact said ridges and said ridges will provide an effective area of support and prevent said foot from uniting with said pins during a glost fire.

2,574,879
BURNER FOR LIQUID AND GASEOUS FUELS
Kurt Hugo Folke Lundberg and Karl Einar Lundberg, Uppsala, Sweden
Application December 22, 1949, Serial No. 134,452
In Sweden February 1, 1949
7 Claims. (Cl. 299—117)

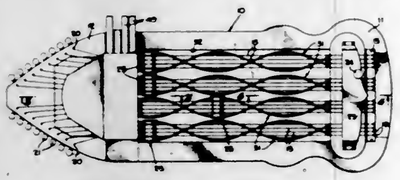


1. In a burner for liquid and gaseous fuels, a casing forming an air chamber and provided with an air inlet and with an axial air outlet, a tubular fuel supply member extending axially through said casing in spaced relation to the same and terminating adjacent said air outlet, a nozzle member mounted on said tubular fuel supply member, through which nozzle member the fuel is adapted to be discharged, said nozzle member serving also as a valve for the air outlet and being movable in axial direction towards and away from the same for controlling the amount of air issuing therethrough, the nozzle member being provided with a number of longitudinally extending oblique slots, a series of guide plates displaceably mounted in said slots, and means associated with said burner casing for independently moving said guide plates axially relatively to said nozzle member so as to permit the guide plates to be retracted into and caused to project from the nozzle member in various positions of the latter relatively to the air outlet so as to divide the space between the nozzle member and the surrounding inner wall of the burner casing into a series of tangentially disposed air channels of a depth corresponding to the length of the projection portions of the guide plates and by which the air blast issuing through the air outlet and mixing with the discharged fuel is set in controllable swirling motion permitting the length and configuration of the flame to be altered within wide limits.

2,574,880
MUSICAL INSTRUMENT
John W. McBride, Burbank, Calif., assignor to Bantar, Incorporated, Burbank, Calif., a corporation of California
Application August 15, 1949, Serial No. 110,262
23 Claims. (Cl. 84—317)

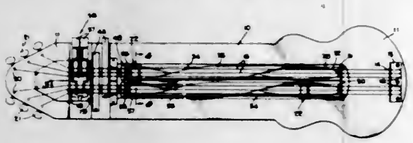
1. In a musical instrument: a tensioned string; a rollable member having a surface in contact with said string; and means providing one or

more inclined guiding surfaces in engagement with said surface of said rollable member for



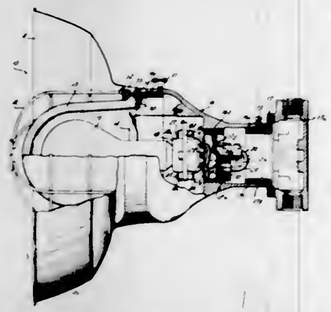
bodily translating said rollable member along said string.

2,574,881
STRINGED MUSICAL INSTRUMENT
John W. McBride, Burbank, Calif., assignor to Bantar, Incorporated, Burburbank, Calif., a corporation of California
Application August 15, 1949, Serial No. 110,263
20 Claims. (Cl. 84—317)



1. In a stringed musical instrument: a tensioned string; a first member in contact with said string; a rotatable member having an inclined guiding surface thereon engaging said first member to bodily translate said first member along the string upon rotation of said rotatable member; and a second movable member engaging said string intermediate its tensioned length to one side of said first member.

2,574,882
EXPLOSION-PROOF LIGHTING FIXTURE HAVING ISOLATED COMPARTMENTS
Thomas E. McDowell and Philip S. Rockwell, Chicago, Ill., assignors to The Pyle-National Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1949, Serial No. 70,624
6 Claims. (Cl. 240—11.2)



6. An explosion-proof lighting fixture comprising an open ended housing having a reduced diameter annular rib formed therein and having threaded portions adjacent the opposite ends thereof, said annular rib being of a predetermined width, a wiring canopy having a threaded cap portion and a smooth cylindrical slip joint portion axially spaced apart from one another, said canopy having said threaded cap portion threadedly engaged in one end of said housing to form a flame-tight joint and having said slip joint portion slidably received by said rib to form together therewith a second flame-tight joint, to isolate opposite ends of said housing, an externally threaded conductor plug having conductor means extending from end-to-end thereof and being integrally imbedded therein, said slip joint portion of said wiring canopy having an axially extending aperture receiving said conductor plug in flame-proof assembly to establish electrical communication between opposite ends of said housing, an externally threaded clamping ring having a portion thereof threaded into the other end of said bore, said clamping ring having a radially extending shoulder on the end thereof, a globe having an annular portion adapted to abut said shoulder in flame-proof assembly and an internally threaded globe retaining ring threaded on said clamping ring to retain said globe in assembly with said clamping ring, said threaded-together portions of said other end of said housing, said clamping ring and said globe retaining ring constituting a flame-proof joint to complete the explosion-proofing of said housing, said clamping ring together with said globe and said globe retaining ring being removable from said housing as an integral sub-assembly.

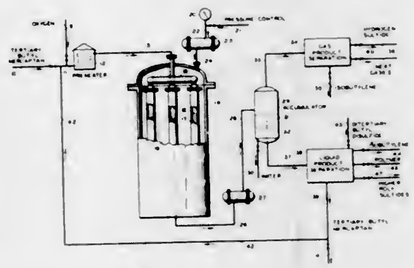
2,574,883
FILM SPOOL
Einar Medal, Albany, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application May 1, 1948, Serial No. 24,477
13 Claims. (Cl. 242—70)



1. A film spool comprising an axial hub having film locating means at each end for laterally confining film to single width winding on the hub, slot means open at one end of said hub extending across said hub to split the same at its outer end, said slot means extending axially into the hub to terminate blind therein for location therein of the inner end of film to be spooled, and a depression in the end of said hub in the vicinity of the open end of said slot means; the depth of that portion of said slot means between the blind end of said slot means and the inner end of said depression corresponding to the axial length of the hub between the inner surfaces of said film locating means.

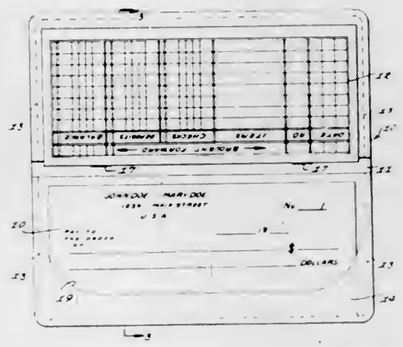
2,574,884
OXIDATION OF MERCAPTANS
Clyde W. Mertz and Haskell W. Cutcher, Borger, and John A. McBride, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 28, 1949, Serial No. 90,221
10 Claims. (Cl. 260—608)

1. A process for the manufacture of a di-tertiary alkyl sulfide from a tertiary alkyl mercaptan containing not more than 6 carbon atoms per molecule, comprising reacting such a mercaptan with oxygen in the presence of a catalyst comprising alumina in a major proportion associated



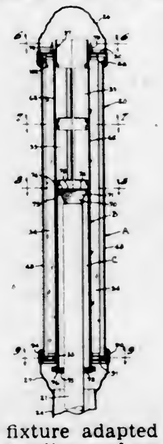
with an oxide selected from the group consisting of vanadia, magnetic iron oxide, and chromia, at a temperature in the range of 150 to 450° F., and recovering a di-tertiary alkyl sulfide from the resulting reaction product.

2,574,885
HOLDER FOR CHECKS, RECORD SLIPS, AND THE LIKE
Willis Earl Niswander, La Verne, Calif.
Application July 5, 1949, Serial No. 103,113
1 Claim. (Cl. 281—4)



In a holder for record sheets and the like, an oblong blank formed from a sheet of a flexible material having end portions infolded over and upon adjacent intermediate portions of substantially the same area and the side edges of the same secured to the like edges of the intermediate portions by lines of stitching to form oppositely opening pockets, said infolded portions being transversely slitted intermediate the side edges thereof in slightly spaced relation with respect to the lines of fold, the ends of the slits being inwardly curved with the end terminals of curved portions terminating adjacent the lines of stitching so that a side edge portion of a record sheet can be inserted through the slit and have that edge and portions of its end edges engaged beneath that portion of the infolded end portion at the outer side of the slit and a major area of its face left exposed for the making of entries thereon, said record sheets being housed within the pockets when not in active use.

2,574,886
FLUORESCENT LIGHTING FIXTURE HAVING MEANS TO CENTER AND ALIGN THE FIXTURE ON A SUPPORT
Hyman Phillips, Cincinnati, Ohio, assignor to Oscar Phillips Company, Cincinnati, Ohio, a corporation of Ohio
Application November 8, 1949, Serial No. 126,147
4 Claims. (Cl. 240—25)

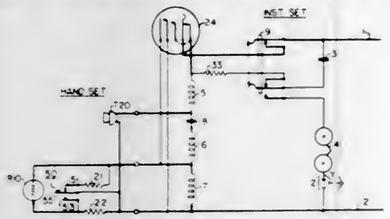


1. A lighting fixture adapted to be mounted on top of an upstanding and generally vertically disposed tubular mounting post, said lighting fixture comprising a frame having a relatively long narrow shank with a centrally disposed recess within the shank, said recess open at its lower end for enclosing a portion of the top of the tubular mounting post, a cluster of luminescent gas glow tubes mounted on the frame in parallelism with one another about the shank portion thereof, a translucent housing supported by the frame and disposed about the cluster of luminescent tubes, a relatively flat downwardly tapering stud projecting downwardly from the frame into said recess at a level spaced above the lower extent of the recess, said stud adapted to enter the top of the tubular mounting post partially, to a degree depending upon the diameter of the inside of the mounting post, to transpose the weight of the frame thereto, and means carried by the frame below the tapering stud for engaging the mounting post to adjustably tilt the tapering stud and frame on the mounting post to secure the cluster of parallel luminescent tubes in true vertical position.

2,574,887
SUBSTATION CIRCUIT HAVING MANUAL CONTROL OF RECEIVING AND TRANSMITTING EFFICIENCY
Harold C. Pye, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 30, 1949, Serial No. 90,745
7 Claims. (Cl. 179—81)

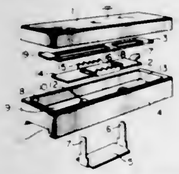
1. In a telephone substation circuit, a pair of line conductors, a transformer having three inductively coupled windings connected between said line conductors, a high efficiency receiver, a receiving circuit including said receiver connected in shunt of one of said transformer windings and in series with the other two of said transformer windings, a first resistor normally connected in series with said receiver in said receiving circuit and a second resistor normally connected in shunt of said receiver in said receiving circuit for reducing the output level of said receiver, and

switching means manually operated at certain times to disconnect both said first and second



resistors from said receiver for increasing the output level of said receiver.

2,574,888
PROTECTIVE DEVICE
Theodore C. Riebe, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 5, 1950, Serial No. 154,093
8 Claims. (Cl. 200—115)

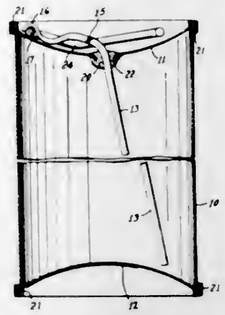


1. A device for protecting electrical equipment from abnormal voltages comprising in combination, a metallic contact member; a metallic serrated discharge member having a base and a pair of oppositely positioned serrations extending upwardly from the lateral edges of said base; and a bimetal short circuiting member normally lying flat on said base and extending longitudinally between said serrations, said bimetal member being additionally arranged with relation to said base in a manner such that heat will cause it to flex upwardly therefrom, all of said members connected mechanically and electrically together, a carbon block ground element positioned substantially parallel to the base of said serrated member and separated from the tips of the teeth of said serrations by a small airgap, and ceramic insulator means for maintaining the ground element in said position, whereby an abnormal voltage on said contact member will travel thru said serrated member and discharge thru the serrations thereof to said ground element in a plurality of arcs, and in case said arcing is sustained, the heat generated therefrom will cause said bimetal member to flex upwardly and contact said ground element directly shorting said abnormal voltage to said ground element.

2,574,889
METHYLATED GELATIN-INSULIN PREPARATION
Ernst T. Rosenberg, Lynby, Denmark, Knut Bertil Högberg, Halsingborg, and Karl E. L. Claeson, Stockholm, Sweden, assignors to Aktiebolaget Leo, Halsingborg, Sweden, a firm
No Drawing. Application September 30, 1948, Serial No. 52,132. In Denmark October 6, 1947
5 Claims. (Cl. 167—75)

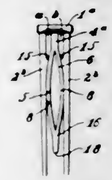
1. An insulin preparation displaying prolonged insulin activity comprising insulin in combination with gelatin alkylated with short chain alkyl groups.

2,574,890
FIRE EXTINGUISHER
Abe Obner Samuels, Bridgeport, Conn., assignor, by mesne assignments, to Maryland Devices, Inc., Baltimore, Md., a corporation of Maryland
Application June 16, 1949, Serial No. 99,380
3 Claims. (Cl. 169—31)



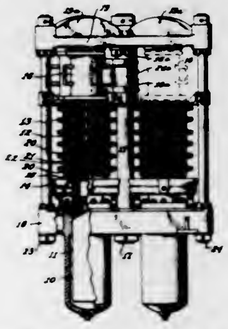
1. A single-use non-refillable fire extinguisher consisting of a dispensing container having a sealed discharge orifice, a fire extinguishing liquid hermetically sealed in said container, and a sufficient amount of gas under pressure within said container forcefully to expel substantially all of said liquid through said orifice when said orifice is unsealed, said container including, in combination, a cylindrical sheet-metal side wall, an inwardly dished sheet-metal bottom wall crimped to said side wall, an inwardly dished sheet-metal top wall crimped to said side wall, a discharge tube passing through said top wall and tightly sealed on its periphery thereto, the bottom end of said tube being open within said container adjacent said bottom wall, the top end of said tube being sealed outside said container, the portion of said tube outside said container having a line of weakness in its wall between said top wall and said sealed tube end, and a handle member engaging said tube between said sealed tube end and said line of weakness, all of the outside portion of said tube and all said handle member being substantially within said dished top wall and below the plane of the top of said side wall.

2,574,891
HAIR RETAINER
Lester T. Sawyer, Leominster, Mass.
Application January 15, 1948, Serial No. 2,473
10 Claims. (Cl. 132—26)



1. A hair retainer comprising a back and at least one group of three arcuate teeth collectively defining a convex obverse face and a concave reverse face, the inner ends of said teeth being integral with and projecting at approximately right angles from said back, the intermediate tooth being bifurcated at a point spaced from said back and each bifurcated portion being bowed away from the other with its crest contiguous to the central portion of the adjacent tooth and then bowed inwardly toward each other, the obverse face of each tooth being relatively straight in cross-section and the reverse face of each tooth being of convex arcuate shape in cross-section, the free ends of all teeth being spaced apart an equal distance and having pointed end portions formed by a convex bevel on the side corresponding to the reverse face of the hair retainer.

2,574,892
HYDRAULIC PRESS BATTERY
William C. Schmidt, Cincinnati, and Frederick A. Zaenkert, Green Hills, Ohio, assignors to The Cincinnati Butchers' Supply Corporation, Cincinnati, Ohio, a corporation of Ohio
Application February 8, 1947, Serial No. 727,470
10 Claims. (Cl. 100—50)



10. An hydraulic press battery, comprising a number of hydraulic presses, said presses having a common press base and a common press head, each press having its own cylinder and plunger, and parallel supporting rods traversing aligned openings in said base and head, said rods being disposed so that any two adjacent rods are on the diameter of a press cylinder, and so that a plane connecting the diameters of adjacent press cylinders is free of supporting rods.

2,574,893
METHOD OF PREPARING RESINOUS COMPOSITIONS
Ralph J. Signer, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
No Drawing. Application January 17, 1946, Serial No. 641,876
4 Claims. (Cl. 260—45.5)

1. A method of preparing a homogeneous dope composition capable of being extruded into a bath consisting essentially of water to form shaped structures which comprises swelling butadiene-acrylonitrile copolymer in which the acrylonitrile content is between 25% and 60%, in acetone, stirring the swollen mass to form a finely grained dispersion of gel particles, adding to said dispersion a polymer selected from the class consisting of polyvinyl chloride, copolymer of vinyl chloride and vinyl acetate in which the vinyl chloride is the predominant constituent, copolymer of vinyl chloride and vinyl cyanide in which the vinyl chloride is the predominant constituent, copolymer of vinyl chloride and styrene in which the vinyl chloride is the predominant constituent, copolymer of vinyl chloride and methyl methacrylate in which the vinyl chloride is the predominant constituent, and copolymer of vinylidene chloride and vinyl chloride containing up to 70% vinylidene chloride, stirring the resulting mass with rising temperature in a closed vessel until a pressure of 40 to 45 pounds per square inch is developed in said vessel and continuing said stirring until said mass is homogeneous and shows a definite tendency to string when a glass rod is withdrawn from beneath the surface thereof.

2,574,894
BETA-THIOALKYL MERCAPTAN PROMOTER-MODIFIERS FOR CONJUGATED DIOLEFIN POLYMERIZATIONS
Harold R. Snyder, Urbana, Ill., and John M. Stewart, Missoula, Mont., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 17, 1947, Serial No. 786,540
22 Claims. (Cl. 260—84.3)

1. The method which comprises polymerizing an aliphatic conjugated diene hydrocarbon while in an aqueous dispersion in the presence of a minor proportion of a beta-substituted mercaptan in which an alkyl thioether group occupies the beta position.

2,574,895
PROCESS OF ACID-TREATING CLAY
Glenroy Stecker, Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill., a corporation of Delaware
No Drawing. Application January 27, 1947, Serial No. 724,719
3 Claims. (Cl. 252—450)

3. A process for producing catalysts from a siliceous mineral having a planar lattice structure which comprises heating said mineral with a mineral acid of about 5 to 15% concentration at a temperature of from about 80° C. to the boiling point to remove base exchangeable metal cations, separating and discarding the resulting solution, washing the solid material with water, then heating the washed material with an aqueous solution of a mineral acid of about 5 to about 40% concentration at a temperature above 80° C. to remove about 10 to about 90% of the intraplanar metal atoms, adding a reducing agent to the mixture in sufficient quantity to reduce ferric iron in the solution to the ferrous state, thereafter adding a volatile alkali in a quantity sufficient to precipitate at least a part of an intraplanar metal selected from the group consisting of aluminum and magnesium and mixtures thereof but without precipitating iron, separating the supernatant liquid and washing the residue with water, drying the residue and calcining it.

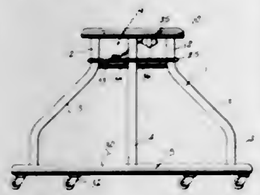
2,574,896
SUNGLASS FRAMES
Thomas P. Tanis, Philadelphia, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania
Application November 18, 1948, Serial No. 60,705
1 Claim. (Cl. 2—14)



A pair of glasses comprising, in combination, a single plastic lens sheet shaped in the form of two lens portions having upper and lower

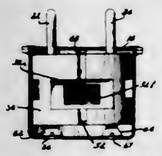
rim portions joined by an integral bridging portion, a one piece plastic framing substantially in the form of two semi-circles joined by an integral, reversely bent nose-piece forming portion, said lens framing having a grooved upper edge throughout the entire length thereof shaped to fit the lower rim portion of said lens portions and said nose piece forming portion respectively, said upper rim portions being devoid of framing, said groove holding said lens sheet in position, said reversely bent portion of the framing having spaced rearwardly extending integral pieces shaped to fit the nose, said lens framing terminating in integral, laterally extending ear portions, and a pair of temples pivotally mounted to said ear portions of said lens framing, thereby providing a two-piece assembly wherein only the lower halves of the lens portions are encircled by the lens framing, the upper halves being devoid of framing, hence enhancing the vision of the wearer.

2,574,897
BABY WALKER
Leonardo Tantimonaco, West Haven, Conn.
Application May 2, 1947, Serial No. 745,371
3 Claims. (Cl. 155—24)



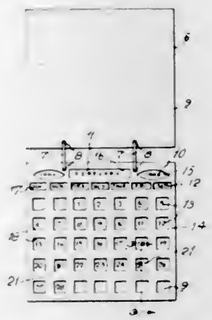
1. In a device of the character described, in combination, an annulus having a plurality of apertures therein, screws countersunk in said apertures, depending spokes outwardly flared radially of said annulus and secured thereto by said screws, plugs over the heads of said screws to present a substantially flush upper surface on said annulus, a second annulus secured to the lower extremities of said spokes, rotatable caster wheels carried by the under side of said second annulus, a peripheral bumper surrounding said second annulus, the inner periphery of said first-mentioned annulus being rabbeted, and a guard band of flexible resilient material having its ends seated in the rabbet and depending from the inner periphery of said first-mentioned annulus.

2,574,898
ELECTROMAGNETIC TRANSDUCER HEAD ASSEMBLY
Robert A. von Behren, Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application December 6, 1947, Serial No. 790,127
6 Claims. (Cl. 179—100.2)



1. An electromagnetic transducer head assembly for a magnetic recorder or the like comprising a cup-shaped housing having a window to receive a lengthy magnetizable medium, a support block in said housing having a grooved portion for alignment with said window to receive said medium for travel in a predetermined direction thereover, a head disposed in said block and having confronting pole pieces defining an air gap and facing said grooved portion. said pole pieces defining an air gap substantially normal to the length of said medium, and means including a pair of members received in said block on opposite sides of the plane normal to said direction and passing through said air gap to rest against the end of said housing and tilt said block to an adjustable position relative to said window.

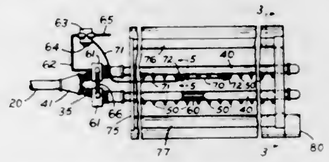
2,574,899
MEMORANDUM CALENDAR
Lillian H. Waring, Brooklyn, N. Y.
Application June 19, 1945, Serial No. 600,261
1 Claim. (Cl. 40—110)



A memorandum calendar, comprising a first sheet bearing parallel rows of indicia indicating the consecutive days of a month, a cover sheet of substantially the same size as the first sheet arranged in front thereof and having rows of apertures registering with and exposing the indicia on the first sheet, means connecting the sheets together to prevent either one from sliding relatively to the other, and guideways between the sheets, extending along the rows of apertures and to adjacent edge portions of the two sheets to slidably receive a photograph which may be introduced into any of the guideways from said edge portions of the sheets and shifted along the guideway to block any of the apertures in the cover sheet and thus obstruct a date on the first sheet.

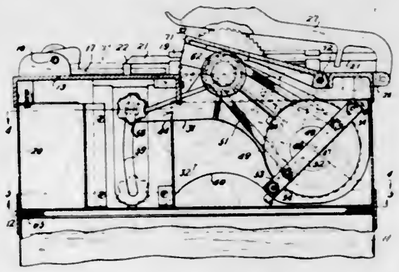
2,574,900
STEAM APPLICATOR
Robert J. Williams, Hackensack, N. J., and August C. Finalborgo, New York, N. Y., assignors to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
Application June 11, 1947, Serial No. 753,842
6 Claims. (Cl. 34—48)

6. Fluid spraying apparatus of the character described for use in the printing of steam set inks and comprising, in combination, a container for fluid, a plurality of discharge nozzles mounted along said container in spaced relation and positioned with their discharge apertures facing in the same direction, inlet means for said container adapted for connection to a source of fluid under pressure, the capacity of said inlet means being greater than the total capacity of said nozzles providing for maintaining fluid within said container under positive pressure to maintain substantially uniform the volume of fluid discharged by each said nozzle per unit time, heating means within said container for maintaining the temperature of said fluid sprays discharged in a continuous flow by said outlets such that said fluid in said sprays remain in a vapor state, a housing



for said container open on its side facing said discharge apertures of said nozzles, exhaust ducts positioned in said housing on either side of said container, means providing intake apertures for said exhaust ducts substantially parallel with said container, one of said ducts having an outlet adapted for connection to a source of suction, and conduit means interconnecting said ducts to provide for applying suction thereto from a single source of suction.

2,574,901
PRINTER'S SAWING AND TRIMMING MACHINE
Joseph Adrian, Cleveland, Ohio, assignor to Super Speed Printing Machinery, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 5, 1947, Serial No. 732,548
3 Claims. (Cl. 29—69)

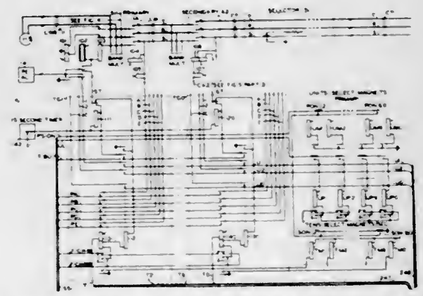


1. In combination, a structure characterized by a substantially horizontal work support table, a motor supported by and beneath the table with its shaft substantially parallel thereto, the structure including a vertical wall depending from the work support table, said wall having an annular bearing part surrounding the motor shaft in concentric relation thereto but separated therefrom by a vacant annular space, a support arm having an annular bearing part mating with said bearing part of the wall to pivotally mount the arm independently of said shaft, means yieldingly acting in a direction axially of the shaft maintaining said bearing parts in operative relation to each other, an arbor journaled in said arm remote from said shaft, driving connections between the shaft and arbor, a disc saw secured to the arbor, and holding means for securing said support arm in any of a plurality of positions to vary the relationship between the saw and work support surface.

2,574,902
CHEMICAL PROCESSES AND COMPOSITION
Max F. Bechtold, Kennett Square, Pa., and Omar E. Snyder, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 15, 1948, Serial No. 65,536
18 Claims. (Cl. 252—313)

1. A process comprising building up the size of particles in an aqueous silica sol from less than 10 millimicrons to a larger size, the maximum size being 130 millimicrons, by forming a heel by heating at from 60° C. to about the boiling temperature at atmospheric pressure an aqueous sol of silica particles of less than 10 millimicrons diameter, the heel, after heating, having a relative viscosity of from 1.15 to 1.60 at 10% SiO_2, adding to said heel a silica sol containing particles of less than 10 millimicrons diameter, and continuing the addition and heating until at least 5 times as much silica has been added to the heel as was originally present.

2,574,903
TRANSLATOR FOR SHIFTED LINES AND PARTIES
John I. Bellamy, Antioch, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application April 8, 1948, Serial No. 19,766
6 Claims. (Cl. 179—18)



1. In an automatic telephone system, a switchboard including a group of sets of line terminals divided into similar subgroups, a group of line links for serving lines connected respectively to said sets of terminals, said line links being divided into corresponding subgroups each containing sufficient links to serve the lines connected to the corresponding subgroup of terminals provided the subgroups connected lines are generally in balance from the standpoint of the traffic thereover, trunks serving said lines through the medium of said links, switching apparatus for interconnecting any set of line terminals and connected line with any idle line link in the corresponding subgroup and for interconnecting the line links with said trunks, the sets of line terminals having telephone numbers assigned respectively thereto, normal means responsive to the extension of a connection to an idle one of said trunks and to the transmission thereover of sets of digit impulses in accordance with the telephone number of any said set of line terminals for operating said switching apparatus to extend the connection to such line terminals and connected line by way of an idle line link in the concerned subgroup, said lines being connectable to said sets of terminals and being thereafter capable of being shifted from subgroup to subgroup to balance the traffic among subgroups, and overriding means re-

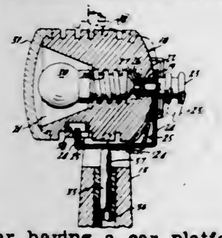
sponsive to the extension of a connection to an idle one of said trunks and to the transmission thereover of sets of digit impulses in accordance with the telephone number of any said set of line terminals from which the line has been shifted for disabling said normal means and for individually translating the called telephone number into the telephone number assigned to any one of said sets of line terminals to which such line may have been shifted, said automatic switching apparatus being thereupon responsive to the translated number, rather than to the disabled said normal means, to extend the connection to the shifted line in its new location.

2,574,904
ENDLESS CHAIN OF COUNTING RELAYS
John I. Bellamy, Wheaton, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Original application February 23, 1946, Serial No. 649,595. Divided and this application December 29, 1949, Serial No. 135,802
5 Claims. (Cl. 175—320)



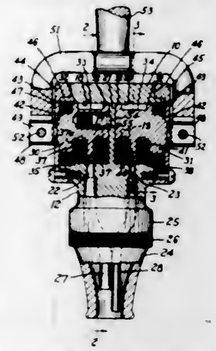
5. In combination, a repeatedly operable device, a series of relays each including an electromagnet and contacts controlled thereby, each relay including a normally connected first relay and normally disconnected succeeding relays, each relay having an operate winding and each relay preceding the last having a hold winding, means for energizing the operate windings for operating the relays successively in cycles during any one of which a separate relay operates responsive to each operation of the device, said means including contacts operable with each said relay preceding the last for connecting the next succeeding one, means effective coincidental with the operation of each relay succeeding the first for deenergizing the operate winding of the immediately preceding relay, any said hold winding being included in circuit with the operate winding of the next succeeding relay whereby the concerned relay is held operated until the second succeeding relay is operated whereupon it restores.

2,574,905
TOY SEARCHLIGHT
Joseph L. Bonanno, Madison, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application January 2, 1947, Serial No. 719,810
2 Claims. (Cl. 240—7.1)



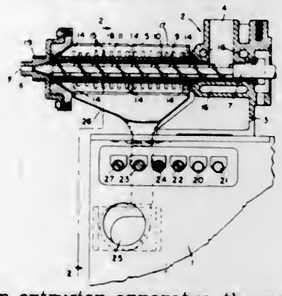
2. A toy car having a car platform, a post secured to the platform for turning about a vertical axis, the upper end of the post having two arms, a search light body pivotally carried in the arms, and having a lamp socket connected to an insulated contact carried by the lower side of the body, an insulated conducting pin disposed axially of the post and extending above the post, and a platform carried conducting spring acting on the pin to urge it against the insulated contact.

2,574,906
MIXED DRINK FAUCET
Carl J. Braun, Wooster, Ohio, assignor to The Wooster Brass Company, Wooster, Ohio, a corporation of Ohio
Application May 12, 1948, Serial No. 26,499
7 Claims. (Cl. 277—4)



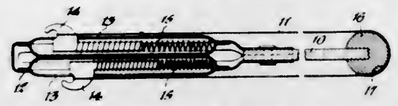
4. A faucet including a body provided with coaxial cylindrical chambers, said body having a carbonated water inlet port and a circumferentially spaced outlet port each communicating with one of said chambers, said body having at least one syrup inlet port and a circumferentially spaced outlet port communicating with the other chamber, distributing barrels rotatably journaled one in each chamber and each having an exterior annular groove for selectively connecting the inlet and outlet ports communicating with said chamber, a resilient peripheral valve shoe on each of said barrels for selectively closing one of said chamber ports, and means for simultaneously rotating both barrels.

2,574,907
EXTRUSION APPARATUS
Hans E. Bücken, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application September 9, 1949, Serial No. 114,745
7 Claims. (Cl. 18—12)



7. In an extrusion apparatus, the combination of an extrusion cylinder formed with a series of passages extending circumferentially around said cylinder and with a continuous slot extending longitudinally of said cylinder and having communication with such series of passages, and a duct substantially coextensive with such slot and in communication with such slot for introducing a temperature modifying medium simultaneously into such series of passages.

2,574,908
HOLDER FOR LEADER LINES
Harold C. Buicke, North Tonawanda, N. Y.
Application December 6, 1946, Serial No. 714,366
2 Claims. (Cl. 42—57.5)



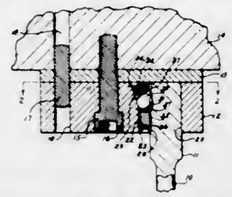
1. A holder for leader lines, comprising a panel-like member provided at one end with a housing having rows of longitudinal slots in its top and bottom sides, hook-like elements including shanks guided in said housing slots with the hooks projecting from the opposite sides of said housing, said hook-like elements having springs connected thereto for urging them toward one end of the housing, and a head of substantially round cross section at the opposite end of said panel having guide means thereon in longitudinal alinement with said guide slots and with which the intermediate portions of the leader lines are adapted to engage, the looped ends of the leader lines being adapted to detachably engage said hook-like elements.

2,574,909
ADJUSTING MEANS FOR THE JAWS OF A PIVOTED JAW WRENCH
John W. Burrows, Howard, Colo., assignor of forty per cent to Harold S. Willoughby, Howard, Colo.
Application June 3, 1948, Serial No. 30,842
5 Claims. (Cl. 81—78)



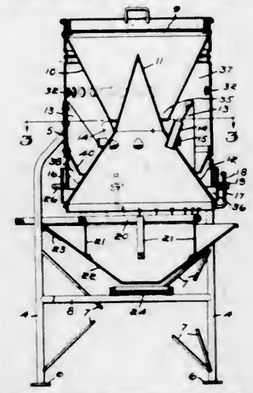
4. An adjustable work handling tool comprising a first and a second lever, a first pivot connecting said levers to each other adjacent one end thereof, a first rigid jaw member, a second pivot connecting said first jaw member to said first lever adjacent the pivoted end thereof, a second rigid jaw member, a third pivot connecting said second jaw member to said second lever adjacent the pivoted end thereof, a fourth pivot connecting said first and second jaw members to each other intermediate the ends thereof, a lead screw carried by said second lever and extending transversely of said first pivot, a follower carried by said lead screw, said third pivot being carried by said follower.

2,574,910
DIE AND PUNCH RETAINER DEVICE
Richard Chaney, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application February 3, 1947, Serial No. 726,113
14 Claims. (Cl. 279—76)



8. In a retainer device for demountable punch, die or like tool, a retainer block having a tool socket for receiving the shank of a tool with a sliding fit, a tool having a shank in said socket formed with an annularly restricted series of ribs and having a flat gripping surface between the ribs and the end of the shank, said retainer block having a cavity at one side of the tool socket and extending to the tool socket, means for securing the retainer to a backing plate, a screw in said cavity projecting radially into the socket and engaging the ribs on the tool shank for inserting and withdrawing the tool shank when the screw is rotated, said block having an apertured shoulder for retaining one end of the screw and providing access to the screw, a locking roller in said cavity having line contact with the gripping surface on the shank to prevent rotational and withdrawing movement of the shank, spring means urging said roller against said gripping surfaces, said screw when rotated to withdraw the shank operating to release the locking roller.

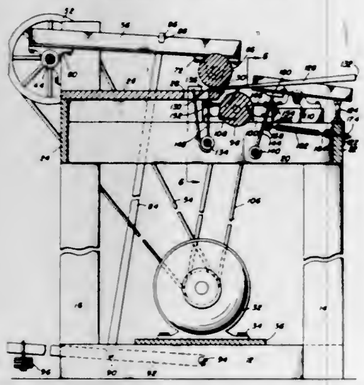
2,574,911
SAND DRYING APPARATUS
Allan Maurice Cowburn, Islington, New South Wales, Australia
Application March 19, 1948, Serial No. 15,887
In Australia March 24, 1947
5 Claims. (Cl. 34—171)



1. Gravity-fed sand-drying apparatus comprising an inverted frusto-conical feed hopper open at both ends, a hollow conical primary sand-drier mounted axially beneath said hopper and having

the apex projecting through the open base of the hopper to form an annular feed opening for gravitational flow of sand from the hopper onto the external conical drying surface of said primary drier, annular baffles outstanding from the external surface of said primary drier and positioned in spaced relation between the annular feed opening and the base of said primary drier for impeding the gravitational flow of sand upon the external drying surface of said primary drier, an inverted hollow frusto-conical secondary sand-drier mounted axially beneath the primary sand-drier so as to receive sand from said primary drier, shutter means at the base of the primary drier for regulating gravitational transfer of the sand from the primary drier to the secondary drier, a sand discharge opening at the lower end of said secondary drier, and means for heating the drying surfaces of said primary and secondary driers.

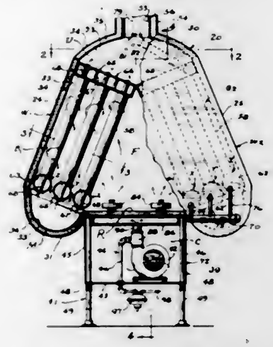
2,574,912
AUTOMATIC SHINGLE SHAKE FORMING MACHINE
Lee B. Dennison, Fernwood, Idaho
Application September 24, 1948, Serial No. 50,953
5 Claims. (Cl. 144—13)



1. A shingle grooving machine comprising a frame, a power driven rotary grooving cutter journaled in said frame transversely thereof, a guide plate at one side of the cutter for supporting a shingle to be manually fed thereon initially over said cutter and pivotally mounted on said frame for tilting upwardly away from said cutter and being tiltable downwardly toward said cutter under the weight of a shingle fed thereover to lower said shingle into engagement with said cutter, power driven shingle feed means on said frame on the other side of said cutter to which the shingle is manually fed initially for subsequent power feed of the shingle over the cutter, releasable means normally holding said plate tilted upwardly, and means operative by the shingle as it is fed by said feeding means to release said releasable means so that said plate may tilt downwardly.

2,574,913
BOILER
Charles T. Denker and John R. Moore, Chicago, Ill., assignors to The Calefactor Corporation, Chicago, Ill., a corporation of Illinois
Application March 27, 1947, Serial No. 737,650
2 Claims. (Cl. 122—348)

2. In a boiler of the character described, a housing comprising a top wall, a bottom wall, two end walls, and two side walls, each of said side walls slanting outwardly toward the bottom, two banks of water tubes mounted within said housing, each of said banks being mounted in said housing adjacent to a corresponding one of said side walls and each comprising a plurality of said water tubes arranged in substantially parallel rows, said water tubes in each of said rows being mounted in spaced relation to each other and being substantially parallel to each other and to said corresponding one of said side walls, certain of said rows of water tubes in each of said banks being closer to the corresponding one of said side walls than other of said rows in said bank, the water tubes in said rows in each of said banks which are closer than other rows in that bank being closer together than the water tubes in the last mentioned rows, a header connected to the upper end portions of said water tubes in said housing, said header forming an

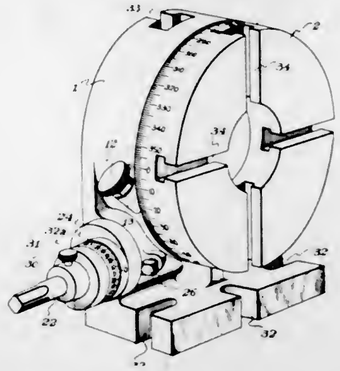


imperforate partition wall exteriorly of said water tubes dividing said housing into a lower chamber and an upper chamber, water headers mounted in the lower end portion of said lower chamber, and spaced from each other, each of said water headers being interconnected with the water tubes in a corresponding one of said rows, means for feeding water into said water headers, a plurality of fire tubes extending longitudinally through a corresponding one of said water tubes in spaced relation to the side walls thereof and interconnecting said upper and lower chambers, means for feeding fuel into said lower chamber between said banks of water tubes for combustion therein, and means, including said fire tubes and said water tubes for providing a passage for combustion products from said lower chamber successively around and across the outside of said water tubes downwardly between said water headers upwardly through said fire tubes, and to the atmosphere.

2,574,914
ROTARY TABLE
Virgil L. Du Bois, Tulsa, Okla.
Application April 18, 1946, Serial No. 663,208
1 Claim. (Cl. 90—59)

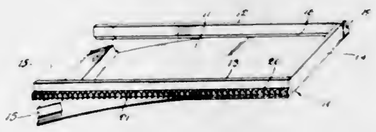
A rotary table for metal working machines, said table comprising a base adapted to be secured to a metal working machine table, a rotating head carried by said base, means within the base for rotating the head, engaging flanges carried by the head and base, an expansion member within the head and base and cooperating with the engaging flanges of the head and base for locking the head and base together

said expansion member being formed from a plurality of arcuate members circumferentially arranged and having V-shaped grooves in their outer faces, adjacent ends of two of said arcuate members being spaced apart, a stop carried by the engaging flanges and engaging one of said adjacent ends, a substantially tangential adjusting and expanding screw cooperating with



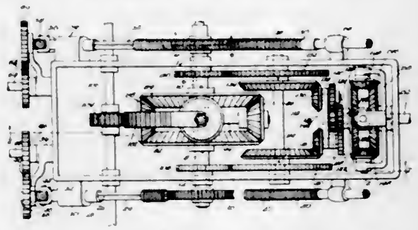
the other adjacent ends and forming means for expanding said expansion member, said adjacent engaging ends of the arcuate members forming the expansion member being rockably engaged for independent movement in the plane of the expansible member, said rockable engagement comprising transverse ribs carried by ends of the arcuate members and rockable in transverse grooves carried by the ends of adjacent members.

2,574,915
MOLDING TRAY
Frank W. Fuller, St. Paul, Minn., assignor to Rock Island Millwork Company, Rock Island, Ill., a corporation of Illinois
Application July 24, 1948, Serial No. 40,514
13 Claims. (Cl. 18—34)



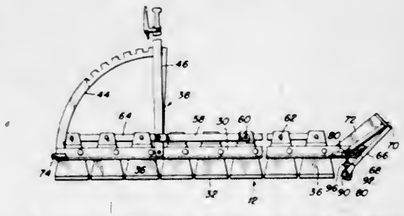
2. A tray in which to mold a body from a bulk mass fill in the tray, comprising in normal position a rectangular plane bottom of flexible sheet material, parallel side walls, and two end walls joining said side walls, said walls together forming a frame around and above said bottom, said side walls being undercut from the interior of the tray along their entire length to form parallel molded flanges on said body, said bottom at one end of the tray being unsecured to said walls so as to flex away from said walls and being elsewhere secured in normal fixed relation to said side walls, at least one of said end walls being carried by said flexing end of the bottom, whereby movement of said end wall out of normal position exposes an end of said molded body, whereby to facilitate grasping said molded body for removal from the tray by sliding said flanges in said undercut side walls.

2,574,916
AIRCRAFT CONTROL APPARATUS
Lawrence Wright Gordon, Lancaster, Calif.
Application May 2, 1946, Serial No. 666,607
4 Claims. (Cl. 244—86)



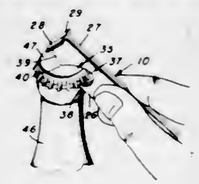
1. In an aircraft having ailerons, elevators and a rudder, two pedals mounted for rotation and independent reciprocation, means connecting said pedals with the ailerons whereby rotation of either or both of said pedals will actuate the ailerons, and means connecting said pedals with the elevators and rudder in such a way that simultaneous movement of the pedals in the same direction will actuate the elevators only, and simultaneous movement of the pedals in opposite directions will actuate the rudder only.

2,574,917
BLADE CLOD MASHER
George S. Greeott, Healdsburg, Calif.
Application September 14, 1948, Serial No. 49,193
5 Claims. (Cl. 55—22)



1. A soil pulverizer comprising sets of elongated parallel bars, a plurality of blades having upper faces transversely carried by the sets of bars, each of said blades having spaced upstanding brackets formed integrally with their upper faces, means for pivotally securing said brackets between each set of bars, and means for simultaneously rocking the blades about their pivot points.

2,574,918
DOUBLE HOOKED LID LIFTING TOOL
Albert S. Haislip, Fredericksburg, Va.
Application July 26, 1949, Serial No. 106,822
6 Claims. (Cl. 81—3.46)



1. A lid lifter and opener comprising a lever unit having companion opposed resilient indi-

vidual disconnected limbs normally spread apart from each other and adapted to be pressed toward each other or spread away from each other by manual gripping pressure, each limb having, at an outer working end, a lid-opener hook.

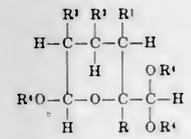
2,574,919
6-ALKOXY-2-DIALKOXYMETHYL TETRAHYDROPYRANS

Reginald Harold Hall, Sutton, and Herbert Mugleton Stanley, Tadworth, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application December 1, 1950, Serial No. 198,731. In Great Britain December 12, 1949

15 Claims. (Cl. 260—333)

9. Alkoxy dialkoxymethyl tetrahydropyrans of the formula



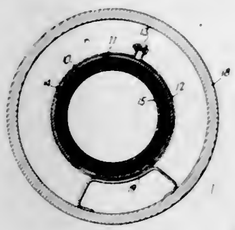
where R, R^1, R^2 and R^3 each represents either hydrogen or an alkyl radical, and R^4 represents an alkyl radical.

2,574,920
APPARATUS FOR MAKING PLYWOOD TUBING

Theodore Edward Ilch, Hempstead, N. Y., assignor to United States Plywood Corporation, New York, N. Y., a corporation of New York

Original application September 10, 1942, Serial No. 457,894. Divided and this application December 29, 1945, Serial No. 638,337

8 Claims. (Cl. 144—281)



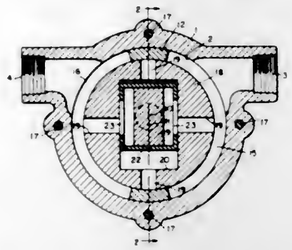
1. In an apparatus for forming an integral, molded, seamless plywood tube, the combination of an integral, resilient open-ended, tubular mandrel having a narrow slot therein extending from one end thereof to the other, said mandrel being completely open and unobstructed at least at one end so as to be capable of receiving endwise a plurality of tubularly coiled layers of wood veneers, means for contracting the mandrel peripherally whereby the width of the slot is reduced, and means for applying heat and pressure to said layers of wood veneers from the interior outwardly and while they are confined within said mandrel to mold them to the tubular shape of the contracted mandrel, said mandrel expanding resiliently to its original, unrestrained condition on release of the contracting means when the molding operation is completed.

2,574,921
ROTARY PUMP

James P. Johnson, Shaker Heights, Ohio

Application October 26, 1948, Serial No. 56,490

6 Claims. (Cl. 103—160)



1. A rotary pump comprising a hollow casing provided with intake and discharge ports leading thereinto, an outer pump member and an inner pump member within said outer pump member supported for rotation within said casing about eccentrically disposed axes, said casing being provided at one end with a fixed cylindrical extension containing such ports and having a running fit within said inner pump member, said inner pump member extending exteriorly through the other end of said casing and being provided with a passage successively communicating with such ports in such extension during rotation of said inner pump member, and a coupling member between said pump members having non-rotatable but transversely slidable connections with the latter, the paths of such slidable connections being angularly disposed relative to one another, said coupling member forming with said pump members a cavity having communication with such passage.

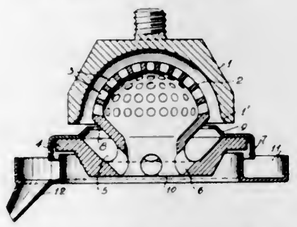
2,574,922
FRUIT JUICE EXTRACTOR

Zeev Karp, Ashdoth Yaaqov, and Max Koffler, Tel Aviv, Palestine; said Karp assignor to said Koffler

Application July 19, 1946, Serial No. 684,986

In Palestine October 30, 1945

1 Claim. (Cl. 100—49)



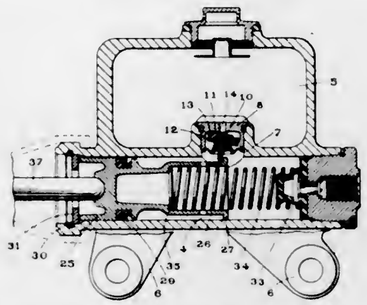
A device for extracting juice from the flesh of halved citrus fruit by squeezing it out by means of a cup and a convex member entering into the cup comprising in combination a hollow convex member provided with perforations in its squeezing wall, through which the juice is drained off, and means for separately collecting and draining off the oil squeezed out from the peel, the outer edge of the perforated wall of the convex member being above the outer edge of the cup and within the latter and the height of the perforated part of the convex member being less than the depth of the cup.

2,574,923
TILTING VALVE MASTER CYLINDER FOR HYDRAULIC BRAKES

Ludger E. La Brie, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application May 17, 1948, Serial No. 27,389

2 Claims. (Cl. 60—54.6)



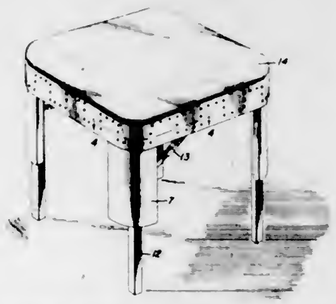
1. In a master cylinder for hydraulic brake systems, a reservoir for operating fluid, a piston in the cylinder, a spring in the cylinder for returning the piston to its normal position, there being a passageway from the reservoir into the cylinder beyond the pressure stroke of the piston, a valve for closing said passageway opening toward the cylinder and having a stem projecting into the cylinder, a spring tending to hold said valve on its seat, the piston being provided with an integral tubular extension of less external diameter than the cylinder and provided with a flange at its extremity of a diameter substantially filling the cylinder for engagement with the stem of said valve to tilt the valve when the piston is in its normal position, the first movement of the piston on its pressure stroke moving the flange out of contact with the valve stem permitting the valve to seat under the influence of its spring.

2,574,924
VERTICALLY ADJUSTABLE TABLE WITH FOLDING LEGS

Howard G. Larson, Pittsburgh, Pa.

Application February 14, 1949, Serial No. 76,254

1 Claim. (Cl. 311—39)



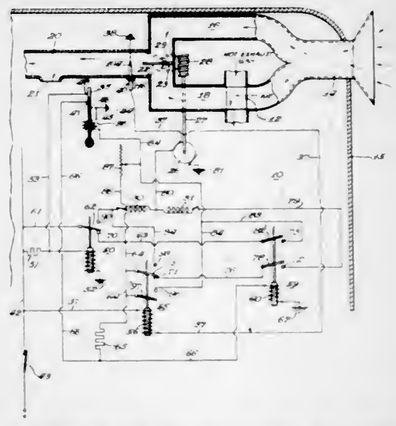
A convertible table comprising a top, depending rails attached to the edges of said top, a first set of relatively short legs of arcuate cross section each secured to the corners of said top and to the adjacent ends of said rails, a wedge shaped insert secured to the inner surface of each of said legs of said first set and having an inner face thereof disposed parallel to and laterally spaced from one of said rails, a second set of legs each having one end thereof pivotally secured to the inner face of one of said inserts whereby said second set of legs may be pivoted to underlie said top between said rails, and a collapsible brace arm secured to each of said legs and the adjacent rail to retain said second legs in their extended position.

2,574,925
HEATING SYSTEM CONTROL

Timothy J. Lehane, North Riverside, Lester E. Haskett, Riverside, and Edward W. Johnson, Chicago, Ill., assignors to Vapor Heating Corporation, Chicago, Ill., a corporation of Delaware

Application August 26, 1948, Serial No. 46,274

5 Claims. (Cl. 236—9)



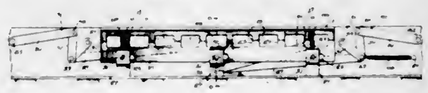
4. A temperature control for an air blending heating system in which a proportioning valve and a reversible electrical motor for adjusting the position of the valve are utilized to proportionately blend air streams of different temperatures delivered to an enclosed space, means including a thermostat responsive to the temperature within the enclosed space for controlling the forward and reverse movements of said motor, and means for adjusting the functional setting of said thermostat to offset abrupt accelerations of said air temperature delivered regardless of the temperature of the space and comprising an electrical heater for applying heat to said thermostat and means for controlling the effectiveness of said heater including a heat-rate switch responsive to said abrupt accelerations in the temperature of the air delivered.

2,574,926
RAILWAY CROSSING BAR

Owen E. Manley, Springfield, Ill.

Application February 13, 1948, Serial No. 8,032

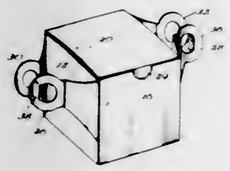
11 Claims. (Cl. 238—8)



9. In a railway crossing bar mechanism for insertion in a groove between a rail and a road-

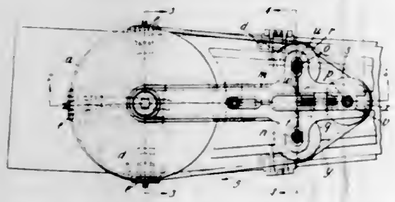
way, an upper member adapted to substantially fill the space between a rail and roadway, a lower support member, an elongated carrier plate, means connecting the upper member to the plate for limited vertical movement, means connecting the lower member to the plate for limited longitudinal movement, interengaging means on said members arranged so that when the members are in predetermined positions relative to each other the lower member prevents downward movement of the upper member, a movable link arranged so that a portion thereof is adjacent to and substantially flush with the top of a rail, a pivoted rocker arm, a link pivotally connected to the rocker arm and to the lower member, and linkage connecting the movable link to the rocker arm whereby a downward thrust thereon by a train wheel actuates the arm and attached link to move the lower member to a position wherein downward movement of the upper member is permitted.

2,574,927
CONTAINER
Irene Mastin, Chicago, Ill.
Application December 12, 1947, Serial No. 791,297
1 Claim. (Cl. 229—52)



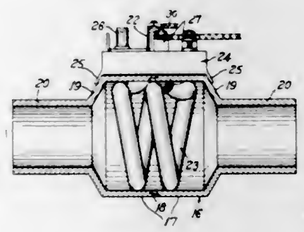
In a disposable carton of the character described, the combination of a one-piece enclosing body portion and a pair of handle members integrally associated with each of two opposite sides of said body, said members being adapted to lie flat against said side in normally inoperative position and to extend outwardly angularly from said side in operative position, said members being adapted also to abut one another near the extended end, a hole in the abutting portion of each member and a foldable tab attached to one of said members and adapted to extend through the hole in the other of said members thereby to lock the pair of members in abutting operative position.

2,574,928
CLOTH STENTERING MACHINE
Roy Crago Mather, Manchester, England, assignor to Mather & Platt Limited, Manchester, England, a British company
Application February 28, 1949, Serial No. 78,709
In Great Britain March 12, 1948
4 Claims. (Cl. 26—57)



1. In a cloth stentering machine, in combination, an endless stenter clip chain having clips thereon, a terminal sprocket wheel engaged by said chain at one end of its traverse, a belt pulley mounted above, and adapted to rotate at the same speed and in the same direction as said sprocket wheel, an endless belt, a pair of belt pulleys in a plane adjustable away from and towards one another and mounted to determine the path of travel of said belt, the said belt passing around all said pulleys, said pulleys being so positioned that the line of travel of the belt is partly inside and partly outside the line of travel of the chain as the latter approaches the sprocket wheel, and partly outside and partly inside the line of travel of the chain as the latter leaves the sprocket wheel, the belt engaging and opening the clips as they approach the sprocket wheel and leaving and allowing the clips to close as they move off the sprocket wheel.

2,574,929
AUTOMATIC ELECTRIC CIRCULATION HEATER FOR AUTOMOBILES
John R. McClain, Wooster, Ohio
Application December 9, 1949, Serial No. 132,003
5 Claims. (Cl. 219—38)

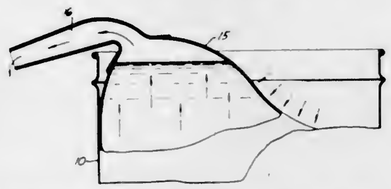


1. As an article of manufacture, a heater for the cooling fluid in internal combustion engines and radiators therefor, provided with a hose connecting the radiator and the water jacket of the engine, said heater comprising a cylindrical casing, means at each end of the casing for insertion into said hose, a heating element of coil type located within the cylindrical casing, a non-corrosive metal sheath covering the heating element coil, insulation surrounding the heating element coil and sealed within said non-corrosive sheath, conductor means connected to opposite ends of the heating element coil, and an electric receptacle connected to said conductor means and located at a point spaced from the engine, whereby a 110 volt source of electric power may be detachably connected to said heating element coil through said receptacle.

2,574,930
BITUMINOUS COMPOSITION
Reginald Gordon Mitchell, Brighton, Stanley Alfred Hunn, Hassocks, and Raymond George Green, New Malden, England, and Willem L. Ghijsen, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 24, 1947, Serial No. 736,624
9 Claims. (Cl. 106—277)

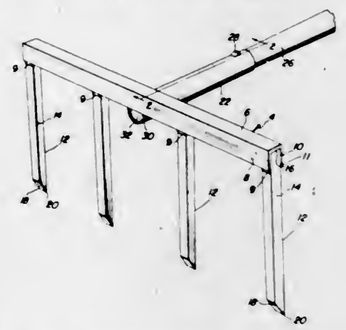
1. An alkaline asphalt emulsion of the asphalt-in-water type containing 40–60% by weight of asphalt, 0.2–0.5% alkali metal aluminate, 1–2% casein, emulsifying amounts of a water-soluble soap-type emulsifier, hydrogen peroxide and aldehyde, the amounts of peroxide and aldehyde being sufficient, when reacted together, to lower the pH of the emulsion to between 3 and 7.

2,574,931
CONTAINER FOR CORROSIVE FLUIDS
Richard N. Nason, Jr., San Francisco, Calif., assignor to Stauffer Chemical Company, a corporation of California
Application December 20, 1948, Serial No. 66,205
1 Claim. (Cl. 222—95)



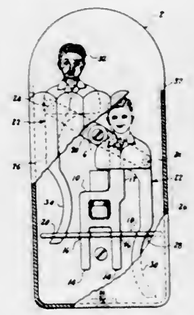
A shipping package for corrosive liquids comprising a rigid tubular outer container, an inner container of flexible, liquid-impervious sheet material shaped to conform generally to the shape of the outer container, said outer container having an open upper end of sufficient diameter to admit the hand, a closure removable from said upper end to expose the interior of said container and said inner container through said tubular upper end, and a flexible filling tube secured to an upper portion of the inner container and deformable for closing and of a length sufficient to extend beyond and over an upper edge of the outer container to discharge liquid from said inner container upon manual manipulation thereof as by forcing the walls of the inner container against the walls of the outer container by pressure with the hand extended through said open upper end.

2,574,932
SPECIAL PURPOSE EAR CORN RAKE
Edwin J. Nohl, Hancock, Minn., assignor of fifty per cent to John E. Erickson, Hancock, Minn.
Application February 20, 1950, Serial No. 145,137
2 Claims. (Cl. 56—400.01)



1. An easily wieldable special purpose rake for dislodging, loosening and expeditiously raking intermingled ears of corn from a corncrib or a pile of stacked corn to a conveyor-drag at corn shelling time comprising a one piece horizontal down facing open-ended channel-iron including a web and depending inward and outward spaced parallel flanges, said inward flange having a centered notch opening through the lower edge of said flange, a tubular open-ended handle fastening socket disposed at right angles to said channel-iron having an open end portion passing through said notch, bearing against said web and secured to an interior surface of said outward flange, said socket being of a diameter approximately twice that of the cross-section of said channel-iron and having upper half-portion housed in the channel of said channel-iron and a lower half portion depending below the lower edges of both flanges, an insertable and removable handle fitted into said socket and having an end portion accessibly uncovered and exposed in relation to said outward flange, means removably fastening the handle in said socket, and tines carried by said channel-iron.

2,574,933
ORNAMENTAL WALL SWITCH
Axel E. Ogren, Chicago, Ill.
Application April 24, 1948, Serial No. 23,060
3 Claims. (Cl. 74—110)

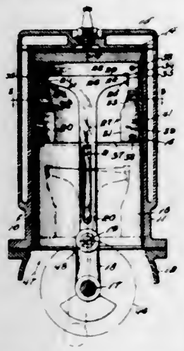


1. A switch operating mechanism comprising a switch actuating member having a slotted body portion, means for guiding said member in a substantially vertical path, a centrally pivoted rocker arm, means pivotally connecting said rocker arm with said switch actuating member, a pair of manually actuated reciprocating operating members, means pivotally connecting said members to opposite ends of said rocker arm, said manually actuated operating members having one end for manual actuation and an opposite end provided with a curved extension which curved extension is oppositely curved in each member with respect to the other, and guide means associated with said curved extension and adapted to cooperate therewith to maintain each of said manually actuated operating members in a vertical position during operation.

2,574,934
INTERNAL-COMBUSTION ENGINE
John C. Perry, Cranston, R. I., assignor, by direct and mesne assignments, to Perry Products, Inc., a corporation of Rhode Island
Application March 23, 1950, Serial No. 151,398
8 Claims. (Cl. 309—17)

1. In an internal combustion engine, a cylinder, a piston therein, a crankshaft having main bearings and crank bearings, a connecting rod connected to said crank bearing and provided with an enlarged head located within the piston, said piston having a recess providing a surface lateral of the piston axis and converging

surfaces lengthwise of said axis to confine the head within the piston while permitting rocking



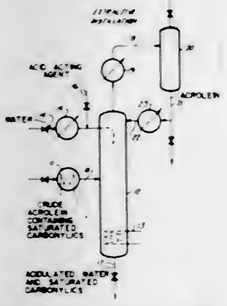
thereof in a plane at right angles to the crankshaft bearing.

2,574,935

SEPARATION OF SATURATED FROM UNSATURATED ALDEHYDES

Gino J. Pierotti, Albany, Arthur E. Handlos, Berkeley, and Charles M. Reider, Alameda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 4, 1950, Serial No. 142,496
15 Claims. (Cl. 202—39.5)



1. In the process for separating acrolein from a mixture containing said acrolein in admixture with propionaldehyde wherein said mixture is subjected to an extractive separation at a temperature of from about —10 to 35° C. using water as a solvent, the improvement which comprises incorporating in said water a mineral acid in controlled amount to maintain the hydrogen ion concentration in said water in the range of from about 1.0 to about 5.0 in terms of pH values.

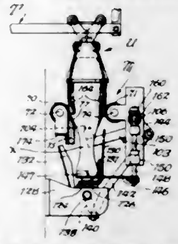
2,574,936

PIN HANDLING MECHANISM FOR BOWLING PIN SETTING MACHINES

Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey

Application December 28, 1944, Serial No. 570,124
18 Claims. (Cl. 273—43)

1. In a pin setting machine, a pin magazine, means for delivering a plurality of pins to said magazine, pin spacing members adapted to engage pins in said magazine, means operative after said plurality of pins has been delivered to said magazine for moving said members into and out of engagement with said pins in said magazine to space said pins in said magazine substantially



equidistant one from another, and means operative after said pins have been engaged by and spaced by said members for removing said spaced pins from said magazine.

2,574,937

DEVICE FOR FASTENING METAL ROOF TO BUILDINGS

William E. Sampson, Lequire, Okla.

Application October 22, 1947, Serial No. 781,262
2 Claims. (Cl. 108—13)



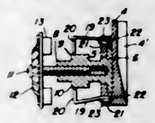
1. In a roof construction which includes sheets of roofing having upwardly extending downwardly opening channel-shaped flanges at adjacent edges thereof, said flanges opening on said sheets the improvement which comprises; means for fastening flanges and said sheets of roofing in fixed spaced position with respect to each other comprising a housing disposed over said upturned flanges, said housing having upturned edges extending interiorly of said housing and disposed in said channel-shaped flanges, a plate disposed in said housing and having slots therein, said housing edges and said flanges being disposed in said slots so that said channel-shaped flanges are clamped on said roofing edges, a shank extending from said plate and outwardly of said housing, and means carried by said shank adjustably disposed thereon for clamping a roof component therebetween and the sheets of roofing.

2,574,938

FASTENER FOR CRYPT FRONTS

John B. Sinner and Oscar A. Sinner, San Diego, Calif.

Application January 3, 1949, Serial No. 69,016
1 Claim. (Cl. 72—7)



A fastener comprising a base plate attachable in vertical position to the vertical wall of a crypt and having a forwardly extending lower horizontal ledge adapted to be interposed between upper and lower pairs of front slabs for said wall having contiguous corner edges, a pair of substantially V-shaped wire springs carried by said plate and extending horizontally one above the ledge and the other below the ledge, the ends of

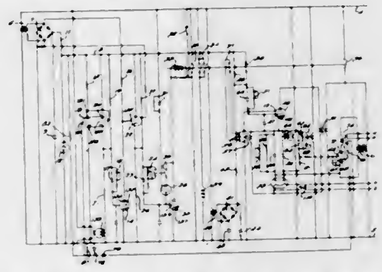
spring above the ledge being engageable with the corners of the upper pair of slabs, and the ends of the springs below the ledge being engageable with the corners of the lower pair of slabs, said springs each having a central coiled eye recessed into said plate, and said plate having nubs thereon in the recesses seating said eyes to secure the eyes in the recesses and the springs to said plate, said ends of the springs extending vertically to provide for long portions of the spring being engageable with the corners of the slabs.

2,574,939

WELDER CONTROL SYSTEM

Harris I. Stanback, Milwaukee, and Ernest G. Anger, Wauwatosa, Wis., assignors to Square D Company, Detroit, Mich., a corporation of Michigan

Application March 8, 1949, Serial No. 80,118
18 Claims. (Cl. 219—4)



1. In a system for the sequencing of welding operations, a pair of electric discharge tubes for controlling the passage of current to a welding load, a capacitor, means for charging said capacitor, an electric valve, means connecting said capacitor to the control grid of said electric valve, a valve solenoid, means energizing said valve solenoid to apply pressure to the welding electrodes, means for effectively disconnecting said capacitor from said charging means to initiate the "squeeze time" period, means including a variable resistor bridging said capacitor to effect an adjustable discharge time for said capacitor thereby determining the "squeeze time" period, a voltage supply, a capacitor, means for charging said last mentioned capacitor with one polarity from said voltage supply, means for impressing the voltages of said last mentioned capacitor and said last mentioned charging means also upon the control grid circuit of said electric valve, a pressure switch responsive to electrode pressure, means for discharging said last mentioned capacitor upon closure of said pressure switch to permit the "squeeze time" timing means to control the conduction of said electric valve, the voltage upon the grid thereof always being sufficiently negative to prevent conduction of said valve until after the closure of said pressure switch, and adjustable timing means controlling the number of conducting periods of said electric discharge tubes, thereby determining the "weld time" period.

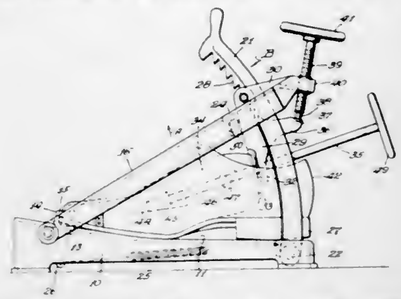
2,574,940

SHOE STRETCHER

Hans Strom, Villa Park, Ill.

Application February 2, 1950, Serial No. 142,039
6 Claims. (Cl. 12—128.3)

1. A device for stretching a shoe lengthwise comprising a base on which the shoe may rest, stop means arranged to engage the edge of the shoe sole at the toe of the shoe to prevent forward movement of the shoe, a frame structure on said base, a member pivoted on said frame structure for arcuate movement lengthwise of the shoe and having an end bearing portion, a form insertible in the shoe for interiorly engaging the forward portion thereof and having a rear abutment portion spaced from the heel



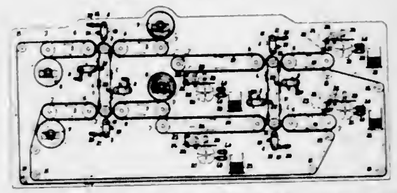
counter structure of the shoe when inserted therein, said abutment portion being engageable by the said end bearing portion of said pivoted member, and means for exerting pressure on said pivoted member to urge forwardly said end bearing portion and thereby said form for applying longitudinal stretching force to the shoe without strain on its heel counter structure.

2,574,941

CONVEYER BELT PRINTING MACHINE WITH MULTIPLE IMPRESSION

Friedrich Josef Trözmüller, Vienna, Austria, assignor to Semperit Osterreichisch-Amerikanische Gummiwerke Aktiengesellschaft, Vienna, Austria

Application July 12, 1949, Serial No. 104,176
In Austria August 14, 1948
6 Claims. (Cl. 101—225)



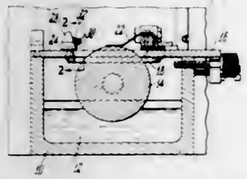
1. A printing machine for letter press printing comprising, in combination, a first printing mechanism for printing on the upper side and a second printing mechanism for printing on the back side of a web, each comprising elastic and flexible printing blocks, an endless conveyer band arranged as carrier of said printing blocks and adapted to run under tension over driving and guide rollers, at least two adjustment and paper transport means on each side of said conveyer band, each of said means including an impression roller adapted to cooperate with the straight stretches of the conveyer band, a guide roller and an endless belt arranged for running over said rollers and in substantially parallel and horizontal stretches between said rollers, blank paper rolls arranged close to the endless belts of said first printing mechanism and adapted for feeding paper bands to said belts, and deflector rollers for leading at least the outer paper bands from the endless belts of the first printing mechanism to the endless belts of the second printing mechanism.

2,574,942

CEMENTING DEVICE FOR TAPE

Hubert J. Vachon, Haverhill, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a corporation of Massachusetts

Application March 11, 1950, Serial No. 149,041
3 Claims. (Cl. 91—33)



1. In a cementing device which includes a container for liquid cement and a rotatable roll arranged to dip into a pool of cement in said container, a scraper blade mounted on said container in line with said roll with an upper edge engageable by a tape from said roll, and a rib on the face of the blade toward the roll adjacent and parallel to said upper edge of the blade said rib being located in a position to be lightly engaged by the tape approaching the edge of the blade.

2,574,943

ALL RELAY PRIVATE AUTOMATIC TELEPHONE SYSTEM HAVING CONNECTIONS TO ONE AND TWO DIGIT TRUNKS

John H. Voss, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application August 2, 1947, Serial No. 765,684
16 Claims. (Cl. 179—18)



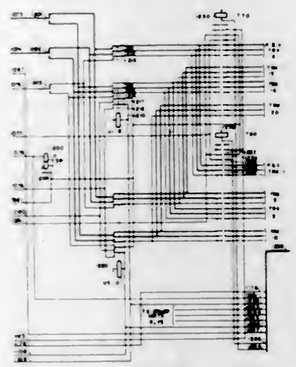
1. In an all-relay telephone system, a plurality of subscriber lines, a group of trunks having a designated common single-digit group call number and each trunk having a designated different individual two-digit trunk call number, an all-relay connector comprising tens relays and counting relays, means responsive to a calling one of said subscriber lines initiating a call for connecting said calling line to said connector, means responsive to the calling subscriber dialing the tens digit of one of said individual two-digit trunk numbers for operating said counting relays in accordance with the dialed tens digit, means for operating the particular tens relay corresponding to the dialed tens digit in response to the operation of the last operated one of said counting relays, said second means responsive to said calling line dialing the units digit of said one individual two-digit trunk number for operating the counting relay corresponding to the dialed units digit, contacts on said operated tens and the last operated one of said counting relays for completing a connection from said calling line to the trunk corresponding to said one dialed individual two-digit trunk number, circuit means for preselecting an idle trunk in said group, other circuit means for selecting one of said counting relays corresponding to said preselected idle trunk, means responsive to said calling line dialing the designated common single-digit group call number for operating said counting relays to operate said particular tens relay, for releasing said operated counting relays, and for thereafter operating said selected one of said counting relays corresponding to said preselected idle trunk, and contacts on said particular operated tens relay and contacts on said operated selected one of said counting relays for completing a connection from said calling line to said preselected idle trunk.

2,574,944

ALL RELAY AUTOMATIC TELEPHONE SYSTEM TRUNK SELECTION

John H. Voss, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 10, 1947, Serial No. 790,728
12 Claims. (Cl. 179—18)



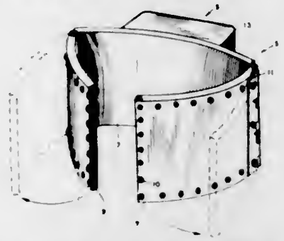
1. In a telephone system, a plurality of relay type switches, units relays and a first and a second group of group relays each group comprising at least two group relays in each of said switches, contacts on said relays, a first and a second trunk group each having a different call number and the trunks thereof connected respectively and individually to the contacts of the corresponding group of group relays in each of said switches, a corresponding first and second group of trunk select relays common to said switches for preselecting idle trunks in the corresponding trunk group one at a time, a first and a second group of group marking conductors and a group of units marking conductors for each switch for controlling the said group and units relays thereof, an impulse register in each switch for causing the first group of group marking conductors and the units marking conductors thereof to be extended to said first group of trunk select relays on a call in response to impulses representing the call number of said first trunk group and for causing the second group of group marking conductors and the units marking conductors thereof to be extended to said second group of trunk select relays on a different call in response to impulses representing the call number of said second trunk group, means in each said group of trunk select relays for causing the operation of one of the group relays in the corresponding group of group relays and one of the units relays in such calling switch over such extended conductors to extend the call through the contacts of such operated group and units relays to the preselected trunk in the called trunk group, means for making contemporaneous extensions of said marking conductors from different ones of said switches to different ones of said groups of trunk select relays, and means to block the making of contemporaneous extensions of said marking conductors from different ones of said switches to the same group of trunk select relays.

2,574,945

MASSAGE VIBRATOR

John Werner, Chicago, Ill., assignor to Aciform Corporation, Chicago, Ill., a corporation of Illinois

Application April 8, 1950, Serial No. 154,769
4 Claims. (Cl. 128—36)



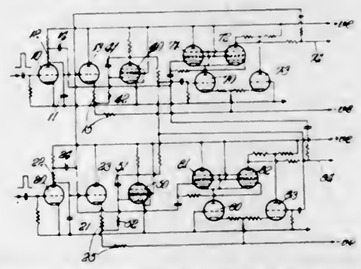
1. A massage vibrator comprising an arcuately-shaped rectangular base, a vibrating unit fixedly mounted on said base, and non-flexible arcuately-shaped rectangular wings spring hinged at the ends of said base and adapted to swing toward and away from said base to cooperate therewith to embrace portions of the body to be massaged, said vibrator unit imparting vibrations to said base and wings simultaneously.

2,574,946

SCANNING CIRCUIT

Eric Lawrence Casling White, Richings Way, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England

Application November 29, 1947, Serial No. 788,799
In Great Britain December 19, 1946
7 Claims. (Cl. 315—24)



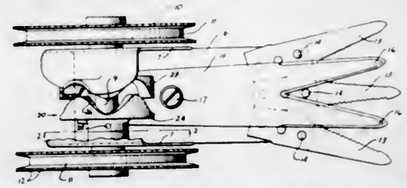
1. A circuit arrangement for scanning a cathode ray beam over a target in a cathode ray tube in which an image formed on said target suffers from spiral distortion comprising individual means for deflecting said beam in two separate directions, means for applying deflecting waveforms to said individual means, and means for shaping said waveforms to deflect the beam for tracing a spirally distorted raster corresponding to the spiral distortion of the image.

2,574,947

LAWN TRIMMER

Erhard Allen, Dayton, Ohio; Helen Agnes Allen, executrix of said Erhard Allen, deceased, assignor to Helen Agnes Allen

Application August 16, 1948, Serial No. 44,479
2 Claims. (Cl. 56—246)



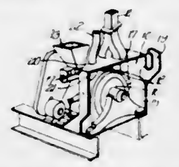
1. In a lawn trimmer, a frame comprising upright side members having alined bearings, a base member between and rigidly connected with the lower portions of said side members and extending forwardly a substantial distance beyond said side members, the upper portions of said side members having inwardly extending parts shaped to receive and support between them the end portion of a propelling handle, a shaft rotatably supported in said bearings, ground wheels drivingly connected with said shaft on the outer sides of the respective side members of said frame, a cam member rigidly secured to said shaft between said side members, stationary cutter teeth secured to and diverging forwardly from the forward end of said base member, and an elongate cutting element mounted between its ends on said base member for movement about a vertical axis, having at its forward end cutting teeth to cooperate with said stationary cutting teeth and having at its rear end a part engaging and actuated by said cam to impart oscillatory movement thereto about said vertical axis.

2,574,948

ROTARY BEATER MILL AND CLASSIFIER FOR PRODUCING SIEVE RANGE SIZED CHOCOLATE PRODUCTS

Justin J. Alikonis, Bloomington, Ill., assignor to Paul F. Beich Company, Bloomington, Ill., a corporation of Illinois

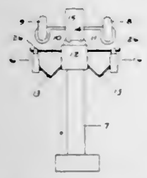
Application March 26, 1949, Serial No. 83,678
2 Claims. (Cl. 241—52)



2. In air flotation type confectionery grinding apparatus characterized by a housing having a fixed grinding surface, coaxially rotatable hammers and deflector blades in said housing acting respectively to grind confectionery particles against said surface and to return particles cen-

trifugally thereto for regrinding, and a multiple blade fan rotating between the housing and a fixed dispersion surface to create an air stream acting to discharge reground particles in opposition to the centrifugal force, the improvement to maintain the preponderance of ground particles in a size incapable of passing a 400 mesh screen while insuring that all thereof will pass a 100 mesh screen, comprising a rearwardly relieved surface on the radially extending sides of said fan blades to prevent clogging of particles between the blades and said housing and dispersion surface, said housing having a material intake duct opening in a substantially radial relation to the hammer axis, and means positioned to extend transversely of the material intake duct at its point of discharge to said housing to direct particles to be ground in a direction tangential to the arc of said hammers.

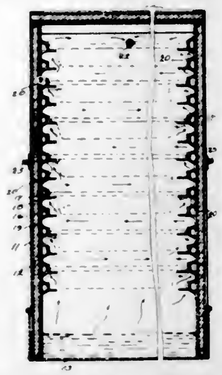
2,574,949
AUTOMOBILE HEATING SYSTEM FOR OUTDOOR DRIVE-IN THEATERS
Gerald A. Behman, San Francisco, and Frank R. Meze, Redwood City, Calif.
Application February 27, 1950, Serial No. 146,574
1 Claim. (Cl. 219—39)



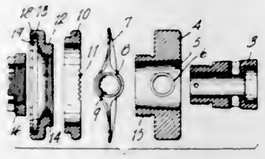
A device of the character described for heating automobiles in outdoor theatres and like places comprising an electric heater, embodying in its construction a housing, a bracket in the form of an inverted U-shaped member for removably suspending said housing from the window sill of the automobile, an electric heating coil positioned in said housing, a motor mounted in said housing in the rear of said heating coil, a revolvable fan connected to the motor and adapted to blow air past the heating coil, and means including a series of openings in one of the walls of the housing and a series of angularly positioned fans associated with the openings for dispensing and guiding the blown air to and within the housing.

2,574,950
LOW-PRESSURE COOKER
Ben-Ami Ben-Dor, Washington, D. C.
Application June 29, 1948, Serial No. 35,957
5 Claims. (Cl. 126—369)

1. A low-pressure steam cooker comprising a cabinet including a water reservoir, a plurality of vertically spaced trays, means affixed to opposite side walls of said cabinet in horizontally spaced relation to said walls for supporting said trays and defining steam passages between said trays and said walls, a plurality of troughed baffle plates in vertically staggered relation, each of said baffle plates engaging one of said side walls and one of said tray supporting means for defining a zigzag path for steam ascending in said cabinet through the unobstructed spaces between said trays and side walls, said baffle plates being perforated for returning water of condensation to said water reservoir in a path parallel to said side walls and out of contact with said trays, said baffle plates being positioned vertically above said water reservoir, and means for discharging said steam from said cabinet.



2,574,951
ADJUSTABLE PROPELLER
Merle K. Benson, Benton Harbor, Mich., assignor to T-M-K Corporation, Davenport, Iowa, a corporation of Iowa
Application August 3, 1945, Serial No. 608,746
12 Claims. (Cl. 170—160.24)

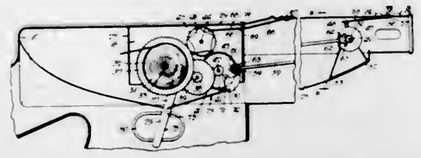


8. In a propeller, the combination of a hub provided with radial sockets having segmental side openings through one face of said hub, blades provided with stems engaged in said sockets and having segmental rack toothed portions of said stems exposed through said socket side openings, the sides of the sockets opposite from the segmental side openings thereof having walls for supportingly and slidingly engaging the sides of the stems opposite the segmental toothed portion thereof, a blade adjusting and clamping member provided with racks coacting with said rack teeth, and a clamping nut threaded upon said hub and radially supporting and axially adjustably supporting said adjusting member whereby the blades may be simultaneously adjusted on their axes, said nut clamping said adjusting member in its adjusted position upon said stems and releasably clampingly engaging the sides of the stems opposite from the segmental toothed portions thereof against the walls of the sockets opposite the segmental side openings thereof, said hub having a centrally disposed opening therethrough for the reception of propeller operating means.

2,574,952
TOY MACHINE GUN
Samuel I. Berger, Newark, N. J.
Application May 19, 1947, Serial No. 748,950
2 Claims. (Cl. 46—10)

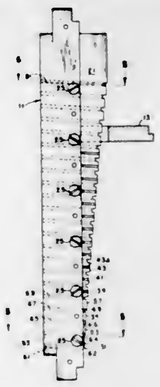
1. A toy machine gun comprising a body having an aperture therein on one side thereof, a barrel

having a muzzle affixed to said body and extending longitudinally thereof, a spring steel clapper riveted at one end adjacent to the rear end of said barrel and extending into said body, a drive unit having a spring motor removably mounted in said aperture, a cover plate removably affixed to said body over said aperture, thereby closing the latter, a ratchet wheel mounted on said drive unit and driven by said spring motor, said ratchet wheel having teeth riding over the free end of said clapper, said clapper having a portion striking the body after each deflection and release thereof by said ratchet wheel, a spark producing flint in



the muzzle, an abrasive wheel coacting therewith, and a transmission comprising a drive rod longitudinally of said barrel extending from said abrasive wheel into said body, a pinion affixed to the end of said drive rod in said body, a crown gear journalled in said removable drive unit and meshing with said pinion to drive the latter and rotate said abrasive wheel, a brake for said motor comprising a pawl pivoted to said body and resiliently urged into engagement with said pinion, and a trigger pivotally mounted on said body and connected to said pawl to disengage the latter from said pinion.

2,574,953
BROACH
Roland T. Bess and Archie I. Bess, Salt Lake City, Utah
Application June 26, 1948, Serial No. 35,436
5 Claims. (Cl. 29—95.1)



1. A broaching device for notching paper cards and the like, comprising a unitary body structure equipped with a series of slots, each slot being slightly narrower than its predecessor, each slot being adjacent a broaching cutter of progressively greater depth and progressively narrower forward cutting edge, each of said slots serving as a waste ejecting opening adjacent each cutter, the width of each of said openings corresponding approximately to the width of the respective forward cutting edge.

2,574,954
RUST-INHIBITING COMPOSITIONS
John W. Bishop, Roselle, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application September 23, 1947, Serial No. 775,755
4 Claims. (Cl. 252—34.7)

1. A composition, adapted for inhibiting rusting of metal surfaces, comprising a hydrocarbon vehicle in major amount based upon the weight of said composition having dissolved therein as a rust-inhibiting component from about 0.01 to about 20% by weight of a loosely bound addition product of acid lauryl phosphate and a tertiary ethanol amine esterified with a fatty acid from the group consisting of stearic acid and oleic acid, said esterified amine being present in a ratio of one mole of amine to about one to one and a half moles of the acid phosphate.

2,574,955
ESTERIFIED ALKYLOLAMINE SALTS OF ACID ESTERS OF PHOSPHORUS ACIDS
John W. Bishop, Plainfield, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application July 14, 1948, Serial No. 38,743
15 Claims. (Cl. 260—403)

1. As a new chemical compound, a substituted ammonium salt formed by an acid ester of a phosphorus acid with a mononitrogen amine containing an esterified alkylol group, said acid ester being characterized by containing a hydrocarbon group as the residue of an esterification agent for said phosphorus acid.

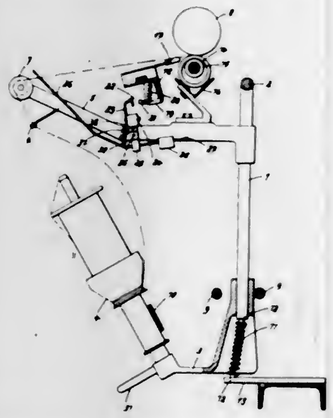
2,574,956
RUST-INHIBITING COMPOSITIONS
John William Bishop, Plainfield, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application October 22, 1948, Serial No. 56,061
5 Claims. (Cl. 106—14)

5. As a new composition, a hydrocarbon vehicle having dissolved therein a small but rust-inhibiting amount of (*a*) a rust-inhibiting salt formed by mole to mole addition reaction of an acid phosphate containing an alkyl group of eight to twelve carbon atoms and an amine from the group consisting of B(N-diethyl) aminoethyloleate and B(N-diethyl) aminoethylstearate, and (*b*) a sodium salt of petroleum mahogany acids in an amount of about one-third to about three times the weight of said rust-inhibiting salt and sufficient to impart to said composition rust-inhibiting characteristics in excess of the individual effectiveness of said sodium salt and said rust-inhibiting salt.

2,574,957
TWISTING MECHANISM
Otto Bochmann, Otto Schröder, and Wilhelm Lenk, Remscheid-Lennep, Germany assignors to Barmer Maschinenfabrik Aktiengesellschaft, Remscheid-Lennep, Germany
Application January 10, 1950, Serial No. 137,794
In France September 8, 1948
16 Claims. (Cl. 57—80)

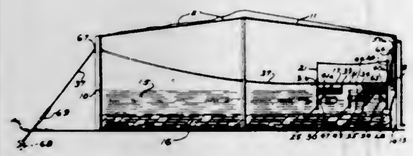
1. Apparatus for automatically stopping a twisting arrangement having a twist spindle, a means for driving the twist spindle, a collecting bobbin and a reciprocating thread-guiding means

for guiding the thread onto the bobbin, comprising in combination, a pivotally mounted twist spindle support means for maintaining said spindle in engagement with the driving means during normal operation of the twisting arrangement; a pivotally mounted feeler means located on said support means; loading means operatively connected to said feeler means for lightly urging the same against the thread travelling toward the collecting bobbin and for rotating



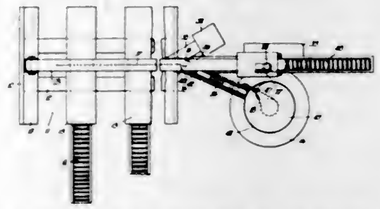
the same upon breakage of the thread or emptying of the twist spindle; and linkage means for interconnecting said feeler means and the reciprocating thread-guiding means upon turning movement of said feeler means after breakage of the thread or emptying of the twist spindle and for causing the movement of the thread-guiding means to turn said support means in the direction which disengages said spindle from said drive means.

2,574,958
FLOAT SUPPORTED TANK CLEANING DEVICE
Granville M. Carr, Wichita, Kans.
Application August 9, 1950, Serial No. 178,513
8 Claims. (Cl. 259—110)



1. In a liquid circulating device for use in tanks; said device having an impeller, power means for driving the impeller and float means for supporting the said power means and impeller, a frame work, said frame work being supported on said float means, said power means and impeller being carried by a second frame structure that is carried by the first said frame work in a position below the surface of the liquid in which the said float means floats, the said frame structure being pivotally attached to the first said frame work so that the power unit and impeller may be rocked from its position below the surface of the liquid to a position above the surface of said liquid.

2,574,959
APPARATUS FOR HANDLING AND PACKAGING EGGS
John W. Cox, Chicago, Ill., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application January 12, 1946, Serial No. 640,778
10 Claims. (Cl. 93—7)



7. In egg room apparatus for handling eggs, an endless belt conveyor comprising a pair of horizontal belts, pulleys about which the belts are trained in longitudinal and vertical alignment with one another, and vertically spaced means coacting with said pulleys in supporting and affording three article conveying belt reaches disposed at different vertical levels, means defining a carton set-up station feeding to said conveyor at the level of and onto one of the outer reaches, means defining a fixed discharge station between said pulleys substantially at the level of and in longitudinal alignment with the intermediate reach of the conveyor for the reception of articles transported thereon, a carton closing mechanism associated with said conveyor and provided with a receiving portion in generally coplanar, laterally adjacent receiving relation to the other outer reach and between said pulleys, and means for diverting filled cartons from said last named reach onto said receiving portion for travel through said closing mechanism.

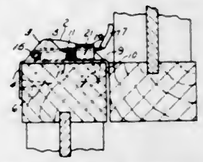
2,574,960
CATARACT BIFOCAL LENS
Henry A. Courmettes, Coconut Grove, Fla.
Application October 14, 1946, Serial No. 703,192
2 Claims. (Cl. 88—54)



1. A cataract ophthalmic bifocal embodying the combination of two lenses; one, a biplanar main supporting lens constructed of two glass sections having different specific light transmission powers and joined together in an angular position substantially corresponding to the desired relative tilting of their respective visual parts in the finished lens, the inner surface curvatures of said biplanar main supporting lens being different to the extent of the additional power required for near vision over that of the distant vision correction; the second, a one-piece segment lens of the thin edge convex power type secured upon the outer side of the said supporting lens and covering a part of both of its sections thereby creating two visual areas corresponding in shape to that of the individual part of the one-piece segment lens extending over each of the said sections and, thus combined, provide the total dioptric powers for both visual areas in the finished lens; further, said segment lens being

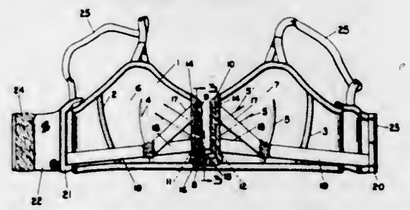
formed, with respect to one of its sides, to correspond to the form of the side of the biplanar lens upon which it is secured.

2,574,961
SASH LOCK
Albert P. Couture, Detroit, Mich.
Application July 26, 1946, Serial No. 686,312
1 Claim. (Cl. 292—228)



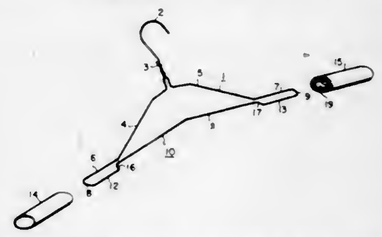
A window sash lock for preventing relative sliding opening movement of the inner and outer sashes comprising a plate mounted and secured upon the transverse rail of the inner sash, a substantially horizontal snubber lever pivotally mounted at one end upon said plate with its other end arranged at an obtuse angle to said lever for frictional engagement with the side rail of the outer sash, spring means on said plate normally urging the end of said snubber lever into pressure contact with said side rail, and a snubber releasing plate pivotally mounted upon said first plate in spaced relation to the pivotal mounting of said snubber lever, with a portion of said releasing plate positioned below said lever whereby upon manual upward pivotal movement thereof said releasing plate operatively engages the under surface of said snubber lever for pivoting the same out of contact with said side rail, said releasing plate being so constructed as to be positionable at right angles to said lever when said lever is lifted to maintain the same in inoperative position against the action of said spring means, said first plate having a pair of upstanding flanges at its opposite longitudinal edges, said snubber lever being positioned between said flanges and pivotally joined thereto, said releasing plate being positioned between said flanges and pivotally joined thereto and having a handle extending laterally therefrom.

2,574,962
BRASSIÈRE
Sophie M. Curran, Hollywood, Calif., assignor, by mesne assignments, of one-half to Agnes H. Dryer, Los Angeles, Calif.
Application August 7, 1948, Serial No. 43,090
4 Claims. (Cl. 2—42)



1. A brassière of the type described comprising flexible fabric material forming a band around the bust having ends adapted to be fastened together at the back of the individual, said brassière having a pair of breast cups formed therein, the inner side edges of the breast cups terminating in vertically extending sleeves spaced from one another and having open lower ends positioned just above the lower margin of the central region of the brassière, a stiff U-shaped member having its prongs fitting closely in said sleeves and its cross member secured in the lower margin of said central region and two pairs of elastic, yielding, flexible strap members, one strap member of each pair attached to each sleeve at each side near the bend of the U adjacent the top of the lower margin of said band and the other strap member of each pair attached to each sleeve at each side near the top of the prongs, the strap members forming a pair joining each other adjacent the inner lower region of the breast cup with the strap members from the bend of the U extending along each side to the ends of the brassière at the lower portion thereof.

2,574,963
GARMENT HANGER
Francis D. Dwyer, Urbana, Ohio
Application November 1, 1950, Serial No. 193,463
3 Claims. (Cl. 223—88)



1. A garment hanger comprising a pair of wire U-shaped members disposed in opposed relation in substantially horizontal planes and having the open ends thereof adjacent each other, said members each having first and second limb portions, an inverted Y-shaped element extending substantially vertically from said first limb of said members and integrally secured thereto, latches inwardly extending from the free ends of said second limbs toward said first limbs at the ends thereof adjacent the extended limbs of said inverted Y-shaped element, a longitudinal element secured between the inner ends of said latches, and an oval shaped tubular member having an internal collar secured therein positioned over each of said U-shaped members, said collar of each said tubular member securely engaging a said latch.

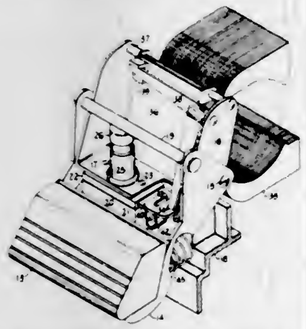
2,574,964
SYRINGE
Julius Eisenstark, Brooklyn, N. Y.
Application June 24, 1949, Serial No. 101,008
3 Claims. (Cl. 128—218)



1. A hypodermic syringe comprising a tubular barrel, a plunger slidably mounted in said bar-

rel, a piston having a conically shaped leading end, mounted at the forward end of said plunger, and a tapered piston-seat member mounted at the forward end of said barrel, said piston-seat member having a central opening formed therein and having a needle secured thereto in said opening, said piston-seat member and the adjacent portion of said needle having a continuous covering of resilient material.

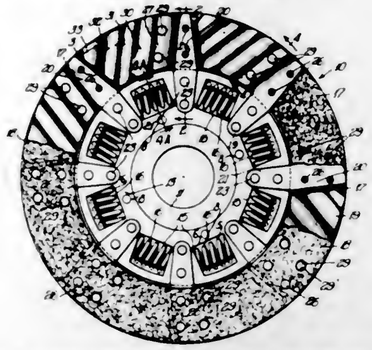
2,574,965
SAFETY SWITCH FOR PORTABLE APPLIANCES
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 14, 1949, Serial No. 98,958
12 Claims. (Cl. 172—36)



1. The combination with a motor-driven floor polisher, of a safety switch therefor comprising a manually operable switch having an open position and a closed position, a movable armature coupled thereto arranged to be moved to a position to bridge a gap in a magnetic flux circuit of said motor simultaneously with the closing of said switch and to be moved away from said gap as said switch is opened, and means biasing said switch to open position but ineffective to do so while the magnetic field of said motor holds said armature whereby, upon failure of the power supply, the collapse of the magnetic field releases said armature allowing said biasing means to open said switch.

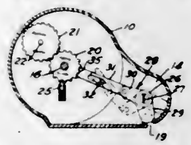
12. The combination with a floor polisher having a housing enclosing an electric driving motor, a propelling handle and at least one rotating brush operatively connected to said motor so as to be driven thereby, of a safety switch device for controlling the supply of electric energy to said motor, said device being mounted in said housing and comprising a switch movable between open and closed positions, a foot operated control member extending to a point exteriorly of said housing for opening and closing said switch, an armature supported for movement between a first and a second position, said first position being out of effective magnetic coupling with said motor and said second position being in such close magnetic coupling with said motor that said armature is held captive so long as the motor is energized, rigid means connecting said armature and said switch for moving said armature between said first and second positions as said switch is opened or closed, and spring means operable to open said switch and move said armature to said second position upon a power failure to said motor whereby said polisher is not re-energized upon a restoration of the power supply to said motor.

2,574,966
FLEXIBLE CLUTCH PLATE
George I. Goodwin, Birmingham, Mich.
Application January 2, 1948, Serial No. 42
5 Claims. (Cl. 192—107)



1. In a clutch plate assembly, the combination of a mounting disk of the type having means to accommodate a plurality of circumferentially spaced torsion devices disposed in approximately annular series around the mounting disk, and a plurality of cushion members each having an attaching portion extending radially inwardly of the disk periphery and secured to the disk between an adjacent pair of said torsion devices, and a circumferentially extending undulatory spring portion having a plurality of circumferentially alternating, oppositely facing, clutch facing engaging areas, said attaching portion having an outwardly extending, clutch facing engaging surface substantially coplanar therewith which is of relatively small circumferential width as compared to said spring portion, said surface being integrally connected at a side margin thereof to said spring portion and being integrally connected to the remainder of said attaching portion by a zone having a circumferential width comparable to that of said surface.

2,574,967
FLEXIBLE SHACKLE PADLOCK
Louis Ernest Elwin Gossner, San Francisco, Calif., assignor to Treg, Inc., San Francisco, Calif., a corporation of California
Application March 13, 1948, Serial No. 14,690
5 Claims. (Cl. 70—49)



5. In a lock, a casing, a rotatable shaft within said casing, an extensible tape secured at one end thereof to said shaft being carried by said shaft, said casing having an exit opening for said tape, a bead on the free end of said tape, said casing having a recess shaped to freely receive said bead, a key shaft rotatably mounted in said casing adjacent said recess, a two armed lever mounted at the inner end of said key shaft and rotatable therewith one arm of which is adapted to close the bead receiving extremity of said recess, a bolt pivotally mounted at the distal end of the second of said arms and engaging said rotatable shaft when the said one arm of said lever is in position to close said recess.

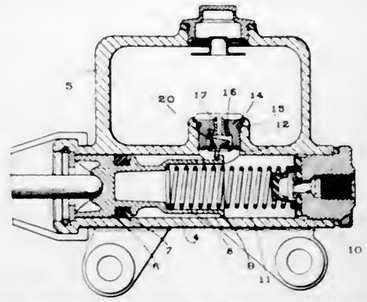
2,574,968
OIL BURNER LIGHTER
Charles H. Harriman and William H. Oscanyan, Newberg, Oreg.
Application November 18, 1947, Serial No. 786,640
1 Claim. (Cl. 158—10)



An oil pot lighter comprising a flexible cable including a sheath enclosing a wire, a tubular head fixed to one end of said sheath, a rigid control rod slidable in said tubular head and fixed to one end of said wire, a cylindrical snuffer cup fixed at one end to the other end of said sheath and being open at its free end, a hinge at the other end of said wire, and a lighter wick connected to said hinge and adapted to be housed in said cup, said control rod and wire including said hinge being longer than said head, sheath and cup to permit longitudinal movement of said wire by said control rod to wholly expel said hinge and wick from said cup through its open end for ignition of said wick and to retract said wick into said cup, whereby upon explusion of the hinge from said cup said wick may lie flat in the oil pot to expose the oil in the pot to the flame along the full length of said wick, said snuffer cup having an inner diameter that is smaller than the diameter of the wick and an outwardly flared rim around the open end of said cup to readily receive said wick, whereby the wick is squeezed to remove excess oil when it is drawn into the cup and snuffed.

2,574,969
TILTING VALVE MASTER CYLINDER FOR HYDRAULIC BRAKES
Joseph R. Heidloff, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application December 20, 1948, Serial No. 66,253
2 Claims. (Cl. 60—54.6)

1. In a master cylinder for hydraulic brake systems, a reservoir for operating fluid, a piston in the cylinder, a spring in the cylinder for returning the piston to its normal position, there being a passageway from the reservoir into the cylinder beyond the pressure stroke of the piston, a valve for closing said passageway opening toward the cylinder and having a stem projecting into the cylinder, a spring tending to hold said valve on its seat, a rubber facing forming a part of the seat for said valve, a headed tubular thimble for holding the rubber facing in place, the piston being provided with an integral extension of less external diameter than the cylinder, and provided with an abutment at its extremity of diameter substantially filling the cylinder for engagement with the stem of said valve to tilt the valve when the piston is in its normal position, the first movement of the piston on its



pressure stroke moving the abutment out of contact with the valve stem permitting the valve to seat under the influence of its spring.

2,574,970
TREATMENT OF STOCKINGS AND OTHER KNITTED ARTICLES
Luis Heldmaier, Leicester, England
Application January 15, 1946, Serial No. 641,251
In Great Britain January 26, 1945
4 Claims. (Cl. 223—76)



1. Apparatus for pre-boarding shaped textile articles, more particularly nylon stockings, comprising an endless conveyor carrying forms for the reception of the shaped textile articles, a pre-boarding chamber through which the articles on the forms are passed due to movement of the conveyor, means for supplying live steam to the pre-boarding chamber, at least one gas heater for supplementing the heat of the live steam supplied to said chamber, and an air conduit disposed along the top of said chamber and communicating at each end with a pair of vertically disposed air channels arranged one on each side of the entrance and exit apertures of the pre-boarding chamber, and a fan adapted to circulate the steam and hot air of the chamber in a substantially closed circuit through said air conduit.

2,574,971
HIGHWAY MARKING PAINT CONTAINING GLASS BEADS
Harry Heltzer, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application October 26, 1945, Serial No. 624,947
2 Claims. (Cl. 106—228)

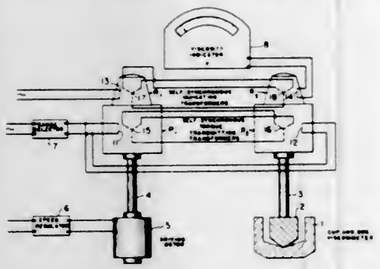
1. A quick-drying reflective highway marking paint essentially comprising a drying-oil-base varnish containing a brilliantly reflective pigment and additionally containing magnesium silicate pigment adapted to provide a false-body, the pigment volume ratio being about 25 to 45%, and a suspended admixture of transparent glass beads having an average diameter of the order of about 3 to about 10 mils and present in the proportion of about 3 to 8 pounds per gallon of bead-free paint, the beaded paint being adapted to be

sprayed on highway surfaces subject to vehicular traffic to provide durable reflex light-reflective traffic markers which have a high night-time visibility to motorists.

2,574,972
HIGHWAY MARKING PAINT CONTAINING GLASS BEADS
John M. Hill, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application August 6, 1949, Serial No. 109,057
4 Claims. (Cl. 106—228)

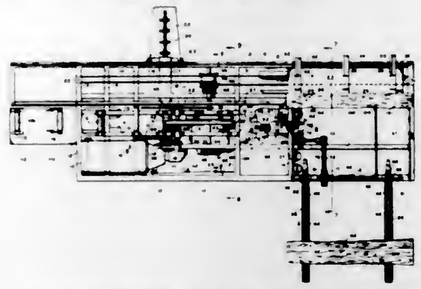
1. A reflective highway marking paint composition essentially comprising a quick-drying drying-oil base varnish thinned by a volatile solvent and containing a stably suspended admixture of titanium dioxide pigment, extender pigment, transparent glass beads having an average diameter of the order of about 3 to about 10 mils, and a small proportion of dissolved lecithin in amount sufficient to stabilize the suspension of glass beads, said paint composition being adapted to be sprayed on highway surfaces subject to vehicular traffic to provide durable reflex light-reflective markers which have a high night-time visibility to motorists.

2,574,973
VISCOSIMETER
Donald A. Hughes, Norwalk, Conn.
Application June 15, 1950, Serial No. 168,330
1 Claim. (Cl. 73—59)



In a viscosimeter comprising a driven rotating member responding in torque to the viscosity to be measured and a driver therefor, the improvement which comprises a pair of self-synchronous rotating transformers with electrically connected three phase elements and with single phase elements electrically connected to a common source of alternating current, the rotating element of one being mechanically connected to a shaft driven by the driver and the rotating element of the other being mechanically connected to a separate shaft carrying the driven member, and a second pair of self-synchronous rotating transformers with electrically connected three phase elements and with the single phase element of one being electrically connected to a source of alternating current and the single phase element of the other being electrically connected to an indicator responding to voltage differences, the rotating element of the transformer of the second pair of transformers connected to a source of current being mechanically connected to the shaft driven by the driver and the other rotating element of the second pair of transformers connected to the indicator being mechanically connected to the shaft carrying the driven member.

2,574,974
PORTABLE SAWMILL
Glen A. Johnson, Tenino, Wash.
Application May 16, 1946, Serial No. 670,146
1 Claim. (Cl. 143—43)



A portable sawmill including a rectangular shaped main frame mounted for ready portability, a rectangular shaped supporting frame mounted on the main frame and overhanging the sides of the main frame, said supporting frame comprising parallel side members and end members joining the side members in spaced relation to each other and relatively spaced intermediate cross beams joined at their ends to said side members in parallel spaced relation to said end members, longitudinally extending supporting members mounted on said cross beams, a power plant mounted on said supporting frame at one corner thereof, the husk assembly being positioned centrally of said supporting frame and operatively connected to said power plant, a U-shaped frame connected to the same end of the supporting frame at the corner opposite that on which the power plant is mounted and extending outwardly of the corner of said supporting frame, a pair of tracks supported by and extending along one side of the supporting frame and the U-shaped frame, a carriage on said tracks for addressing a log to the husk assembly, a platform hinged to the supporting frame at the end to which the U-shaped frame is attached and said platform extending outwardly of the supporting frame parallel to said U-shaped frame, rollers mounted on said supporting members and on said platform, a log deck at the end of the supporting frame opposite to the U-shaped frame and platform so that logs can be delivered to said carriage to be fed to said husk assembly and the slabs and sawed lumber after leaving the husk assembly being received on said rollers to be moved onto said platform for delivering said slabs and sawed lumber free of the mill, said assembly being rigid and substantially rectangular and said supporting frame retaining its rigidity throughout the transportation of said sawmill.

2,574,975
ELECTRON BEAM DEFLECTING SYSTEM
Heinz E. Kallmann, New York, N. Y.
Application January 17, 1950, Serial No. 139,013
8 Claims. (Cl. 313—78)

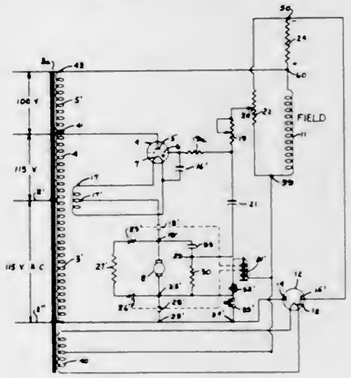
1. In an electron beam deflecting system embodying means for emitting an electron beam adapted to be influenced by electric signals, in combination, signal deflecting means arranged and constructed so as to deflect said electron beam proportionately to variations of said electric signals from its original path in a signal deflection plane; and a pair of substantially parallel twisted power deflecting plates arranged

along the path of the thus deflected electron beam, twisted about an axis coinciding substantially with said path and forming an oblong entrance opening for said deflected electron beam arranged at least substantially in said signal deflection plane, said pair of substantially parallel twisted power deflecting plates constructed



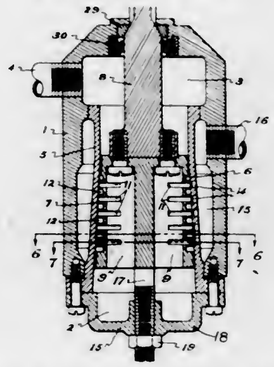
so as to deflect said deflected electron beam in a direction lateral to said oblong entrance opening and proportionately to the distance at which said deflected electron beam enters said oblong entrance opening from that point of said oblong entrance opening at which the electron beam enters said entrance opening when passing along its original path.

2,574,976
SYSTEM FOR THYRATRON CONTROL
Berthold A. Knauth, Bolton, N. Y., and Pao Hsiung Chin, Cranford, N. J., assignors, by direct and mesne assignments, to The Motorspeed Corporation, New York, N. Y.
Application March 1, 1948, Serial No. 12,322
4 Claims. (Cl. 318—345)



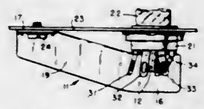
1. A thyratron control system for controlling a direct current motor comprising a thyratron having an anode, a grid and a cathode, a direct current motor having an armature, a pair of lines connected to a source of alternating current, one of said lines connected to said thyratron anode, a relay having a pair of contacts, one of said contacts on each side of said motor armature, a rectifier for rectifying said alternating current to supply direct current pulses to said motor field, a normally closed "stop" switch, a normally open "start" switch, connections for connecting said "stop" switch, said "start" switch and said relay in series across said rectifier to energize said relay from the inverse voltage of said rectifier, and connections for connecting said "start" switch across one of said pair of contacts whereby said contact functions as a holding-in contact for said relay after said "start" switch is closed and released.

2,574,977
PULP SCREEN
Wilfred F. Mathewson, Boston, Mass., assignor to Mathewson Machine Works, Inc., Quincy, Mass., a corporation of Massachusetts
Application December 10, 1948, Serial No. 64,540
3 Claims. (Cl. 92—35)



1. A pulp screen comprising a casing having an inlet for unscreened paper pulp and a screened-pulp outlet, two concentric substantially cylindrical screen members located within the casing and providing between them an annular clearance space of sufficient size for the fine acceptable portion of the unscreened pulp to pass therethrough, but of insufficient size for the coarse unacceptable portion of such pulp to pass therethrough, the inner screen member having in its peripheral face a plurality of parallel, endless grooves extending circumferentially thereof and completely thereabout, certain of said grooves constituting inlet grooves and the remainder constituting discharge grooves, said inner screen member having provision for connecting the inlet grooves to the casing inlet and also for connecting the discharge grooves to the screened-pulp outlet, the outer screen member having a plurality of openings communicating with the clearance space, one opening being situated opposite each inlet groove, and means to rotate the inner screen member, said openings in the outer screen member providing for flushing away the unacceptable portion of the pulp.

2,574,978
SHIELD FOR TUBE SOCKETS
Harvey P. Mensch, Orange, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application May 27, 1949, Serial No. 95,657
2 Claims. (Cl. 179—171)



1. In a cathode driven amplifier containing a tube and a socket therefor having an input terminal connected to a cathode of said tube and an output circuit connected to a plate of said tube having a parasitic resonance, a conductive surface adjacent to said socket extending outwardly therefrom and connected to a grid of said tube, said surface lying between said input terminal and said output terminal, a metal chassis, and a

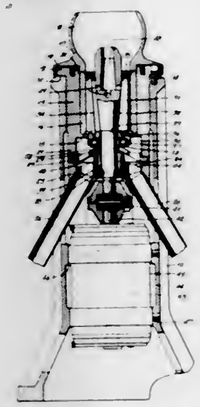
conductive bridge forming a connection between said surface and said chassis, said bridge forming an inductance to cause said grid to be antiresonant at a frequency lower than said parasitic plate resonance.

2,574,979

VERTICAL AXIS DISPERSION MILL WITH DRIVE MOTOR SUPPORTED FROM CONICAL GRINDING HEAD

William Messinger, Philadelphia, Pa.

Application March 14, 1949, Serial No. 81,341
5 Claims. (Cl. 241—111)



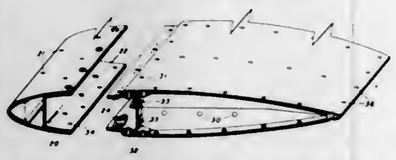
1. Apparatus for reducing the particle size of materials comprising a supporting frame, a stator mounted in the frame and having a substantially vertical inner cylindrical grinding surface, a plurality of conical rollers in the stator with their smaller ends uppermost, means to support the rollers in grinding relation to the cylindrical surface, a central rotatable conical grinding member engaging the rollers and having its smaller end lowermost, a shaft extending downwardly from the control member, a motor having a casing, a rotor in the casing fixed to the shaft, the motor being supported by the shaft and urging the central member downwardly to force the rollers out toward the cylindrical surface, and means in the frame restraining the motor casing against rotation.

2,574,980

ROTARY WING BLADE

Donald N. Meyers, Philadelphia, Pa., assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa., a corporation of Pennsylvania

Application June 5, 1947, Serial No. 752,649
2 Claims. (Cl. 170—159)



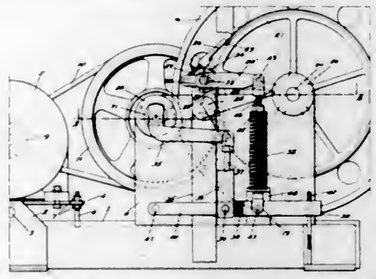
2. A metal blade for rotary wing aircraft, comprising in combination two separable longitudinally extending portions, each of said portions having a U shaped member, said U shaped members forming a box spar when the two portions are joined together, said portions being joined together by a series of bolts spaced along the spar of the blade, one portion constituting the leading edge, the other portion constituting the trailing edge, a root end fitting, the inner end of said fitting being separably joined to the trailing edge portion, the outer end of said fitting being permanently joined to the leading edge portion.

2,574,981

POWER-DRIVEN FRICTION WINCH

George E. Moore, Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich., a corporation of New Jersey

Application February 12, 1947, Serial No. 727,977
6 Claims. (Cl. 192—11)



1. In a winch of the type described, the combination including a rotatably supported rope drum, a drive motor, power transmission means interconnecting the motor with said drum including a pair of cooperating friction members, one of said members being mounted on eccentrics for radial movement with respect to the other, a brake for said rope drum, spring loaded means for applying said brake under predetermined pressure, means including a lever for overcoming the effect of said spring and effecting rotation of said eccentrics in a drive applying direction upon movement of said lever in one direction, said lever having an integral lateral extension and said last mentioned means including a linkage for rotating said eccentrics pivotally connected at one end to the point of juncture of the lever and its extension, and a linkage interconnecting the brake with said extension for overcoming the force of said spring.

2,574,982

LIQUID METER YOKE

Frank H. Mueller and Walter J. Bowan, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois

Application March 15, 1949, Serial No. 81,492
1 Claim. (Cl. 285—3)



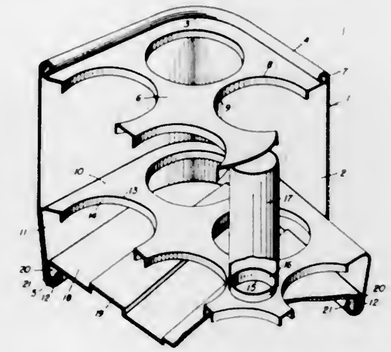
A fluid meter yoke comprising an elbow fitting having a fluid passage therethrough for the flow of fluid from a main to a meter, said fitting being provided with a pipe receiving socket; a second elbow fitting having a fluid passage therethrough for the flow of fluid from said meter to a service line, said second fitting being provided with a pipe receiving socket; and a socket engaging pipe connecting said fittings to space them from each other in proper relation to a meter, at least one of said elbow fittings being formed intermediate its fluid passage and its pipe receiving socket with a through chamber open only to the atmosphere and isolating said fluid passage and said pipe receiving socket from each other to facilitate the detection of unauthorized communication therebetween.

2,574,983

BEVERAGE CASE

Arthur W. Reed, Little Rock, Ark.

Application August 12, 1947, Serial No. 768,155
4 Claims. (Cl. 220—21)



1. A beverage case comprising prefabricated side and end walls formed with inwardly extending upper and lower rolled edges, a bottom therefor formed with spaced and transversely extending raised corrugations, the under side of said corrugations providing bottle top receiving recesses whereby when a plurality of cases are vertically stacked the bottle tops of a lower case will be firmly held in the recesses, a peripheral rolled edge on said bottom supported in the lower rolled edge on said side and end walls, top and intermediate trays having vertically aligned rows of bottle supporting openings alignable with said spaced corrugations and formed with peripheral rolled edges respectively supported in the rolled edges in the top and bottom of said case side and end walls, the lower portions of said case side and end walls tapering downwardly and inwardly whereby a plurality of cases may be vertically stacked, and spaced reinforcing means disposed between said trays and secured thereto at their opposite ends.

2,574,984

PREPARATION OF MIXED POLYVINYL ESTERS

Hyman Rudoff, Springfield, Mass., assignor to Shawinigan Resins Corporation, Springfield, Mass., a corporation of Massachusetts

No Drawing. Application December 26, 1947, Serial No. 794,123
6 Claims. (Cl. 260—23)

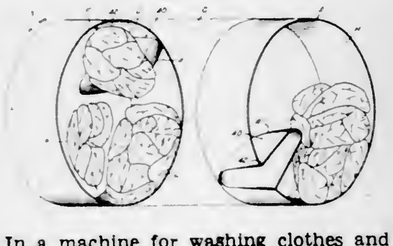
1. A process which comprises reacting a homopolymer of a vinyl ester of an unsubstituted aliphatic monocarboxylic acid having 1–6 carbon atoms with an acylating agent having only carboxyl functional groups and an acyl group different from the acyl group of the polyvinyl ester, the acylating agent being a member of the group consisting of aromatic carboxylic acid chlorides, aliphatic carboxylic acid chlorides containing more than 9 but less than 21 carbon atoms, and organic carboxylic acid anhydrides, in the presence of an aqueous solution of an alkali metal hydroxide of from 5% to 60% concentration and an inert organic solvent for the vinyl ester, and continuing said reaction until a mixed ester of polyvinyl alcohol is formed in which from 1% to 99% of the initial ester groups have been replaced with the ester groups from the acylating agent, said mixed ester being free from polyvinyl alcohol groups.

2,574,985

CLOTHES-WASHING MACHINE UTILIZING A TUMBLING DRUM

William J. Russell, New Britain, Conn., assignor, by mesne assignments, to Crosley Division, Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application April 14, 1948, Serial No. 20,937
2 Claims. (Cl. 68—139)



1. In a machine for washing clothes and the like, a horizontally disposed cylindrical basket having spaced end walls and a cylindrical perforated wall therebetween, means for supporting said basket for rotation about its horizontal axis, a radially disposed vane secured at each end of the basket contiguously to an end wall and a portion of the cylindrical wall between the end walls, said vanes being angularly displaced 180 degrees from each other, each of said vanes extending approximately one-third of the length of the cylindrical wall and one-third of the diameter of the end walls, said vanes having perforations communicating with the exterior of said basket, said basket having between said vanes a central zone at least as long as said vanes, said central zone being substantially free of projections, and means for driving said basket at a substantially constant speed at which the centrifugal force acting upon clothes at the internal periphery of the basket has a value of 111%–122% of the force of gravity.

2,574,986

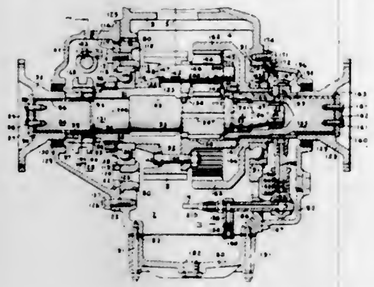
TRANSFER TRANSMISSION MECHANISM

Carl Einar Schou, Seattle, Wash., assignor to Pacific Car and Foundry Company, Renton, Wash.

Application October 30, 1947, Serial No. 783,169
2 Claims. (Cl. 74—714)

1. In a transfer mechanism for use in a motor vehicle assembly having a source of power and a pair of driven parallel axles, said transfer mechanism including a gear driven from the source of power and a pair of axially aligned output shafts, one of said shafts being formed with an axial bore, and the other shaft having a bearing portion arranged within said bore, each of said output shafts being adapted to sup-

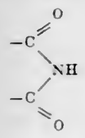
ply torque to one of said axles, a gear mounted for free rotation on one of said output shafts and being powered by the gear on the input shaft, said freely rotating gear including a hub portion and a web, a planetary assembly for transmitting power to the other output shaft, said planetary assembly including a sun gear rotatable with the first output shaft, and a ring gear fixed to the second output shaft, a planet



assembly for said planetary arranged between the sun gear and ring gear, the planets of said planet assembly being mounted on pins supported from the web of the freely mounted gear on the first output shaft, a lock ring mounted on the hub of said last-named gear and engaging said pins to prevent rotation of same, and means for locking the first freely mounted gear to its shaft.

2,574,987
STABILIZATION OF VINYL RESIN COMPOSITIONS
Thomas H. Shelley, Spotswood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 10, 1950, Serial No. 149,012
14 Claims. (Cl. 260—45.8)

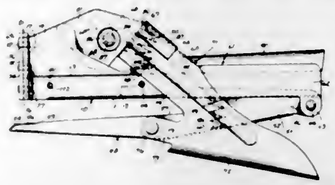
1. A light and heat stable composition comprising predominantly a polymer of a chloroethylene having from 1 to 2 chlorine atoms attached to one only of the carbon atoms, and an organic imide containing the grouping



wherein both free valences on the carbon atoms are attached to hydrocarbon structure.

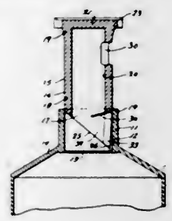
2,574,988
STAPLING PLIER
Rudolf Vogel, Bridgeport, Conn., assignor to Neva-Clog Products, Inc., Bridgeport, Conn., a corporation of Connecticut
Application September 24, 1949, Serial No. 117,540
18 Claims. (Cl. 1—49)

1. In a stapling device; a housing member including a longitudinal staple strip magazine, a staple driving head at the forward end of said housing member having a staple driving passage in line with said magazine to receive a staple therefrom, and a vertically reciprocable staple driver in said head movable into said staple driving passage to drive a staple into the work; an anvil arm pivotally mounted upon the rearward end of said housing member extending longitudinally beneath it and having an anvil formation at its forward end cooperatively disposed beneath said staple driving head; a spring engaged between said housing member and said anvil arm exerting downward pressure on said anvil arm; a cam lever pivotally mounted upon the rearward end of said housing member including a cam arm having a cam slot, said cam arm



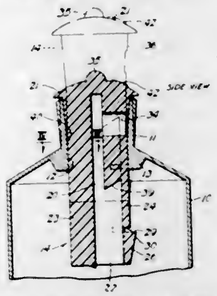
being engaged at its forward end with said staple driver; a spring engaged between said housing member and said cam lever exerting upward pressure on said cam lever; a hand-grip bearing-carrying arm pivotally connected to said anvil arm at an intermediate point between its ends and including a hand-grip portion extending rearwardly beneath the rearward portion of said anvil arm, and a bearing carried by said hand-grip bearing-carrying arm and engaged in said cam slot.

2,574,989
AXIALLY SLIDABLE APERTURED CLOSURE CAP HAVING MEANS FOR LIMITING OPENING MOVEMENT OF THE CAP
Ralph B. Waite, Springville, N. Y.
Application July 4, 1945, Serial No. 603,182
4 Claims. (Cl. 222—522)



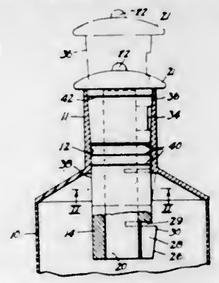
1. A dispenser and closure member for a dispensing receptacle having a neck, said dispenser and closure member comprising a cylindrical body slidably engaging said neck, said body having its inner end disposed within said receptacle and below said neck, said body being slotted longitudinally at the inner end thereof and cross-slotted intermediately of the ends thereof to provide a T shaped slotted formation defining a pair of wing-like body wall portions at opposite sides of said longitudinal slot, said wing-like formations extending outwardly solely adjacent the longitudinal slot in said body and elastically set to normally protrude radially beyond the general profile line of said body, whereby said wing-like formations are provided in the region of said cross slot to present abutment ledges extending transversely of the longitudinal axis of said body and normally disposed radially beyond the general profile of said body.

2,574,990
RECTRACTABLE CLOSURE FOR COLLAPSIBLE TUBE, HAVING MEANS TO PREVENT ITS ACCIDENTAL REMOVAL THEREFROM
Ralph B. Waite, Springville, N. Y.
Application October 23, 1947, Serial No. 781,559
5 Claims. (Cl. 222—522)



1. A dispensing container for dental cream or the like, comprising a container member having a cylindrical neck formed of soft metal and a closure member therefor comprising a generally cylindrically shaped plug member having an oval-shaped cap portion and a longitudinal bore extending therethrough from the opposite end thereof and terminating under said cap portion, a laterally directed port extending through a side wall portion of said plug member into communication with the longitudinal bore and so positioned as to be covered by said container neck whenever the closure member is pressed inwardly thereof, said closure member being of tapered form at the upper portion thereof so that whenever the closure member is pressed inwardly of said container said tapered portion presses into said container neck to swell the latter thereby providing a snug closing fit, said closure member being barb-shaped at its lower end thereby providing an upwardly facing shoulder adapted to prevent complete retraction of said closure from said container neck, said barb-shaped formation being slotted to divide it into a pair of relatively compressible shoulder portions whereby to permit said closure to be initially forced into said container neck, said slotted formation having a "flash" web extending thereacross to seal it against passage of dental cream therethrough.

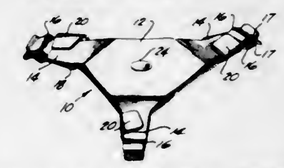
2,574,991
PRESSUREPROOF DISPENSER CLOSURE
Ralph B. Waite, Springville, N. Y.
Continuation of application Serial No. 56,693, October 27, 1948. This application August 10, 1951, Serial No. 241,257
11 Claims. (Cl. 222—92)



6. A dispensing container comprising a deformable container body having a neck provided with a cylindrical bore portion and an upwardly diverging tapered bore portion of substantial length thereabove, and a closure member therefor comprising a plug member having a cap portion and a longitudinal bore extending therethrough from the opposite end thereof and terminating under said cap portion, said plug portion having a cylindrical surface portion slidably fitting said cylindrical bore portion and being of tapered form at the upper portion thereof to correspond to the tapered bore portion of said neck so that whenever the closure member is pressed inwardly of said container body said tapered portion of said plug member presses into snug fitting relation with the tapered bore portion of said neck, said closure member having an integral peripheral ridge therearound adapted to press into binding relation with said neck for locking the plug member in pressure-sealing relation within said neck, said plug portion being formed of deformable material of such nature as to be radially outwardly deformable under the influence of internal pressures occurring incident to the generation of pressures in said container body when said plug portion is in closed position.

10. A dispensing container comprising a container body having a neck provided with a cylindrical bore portion, and a closure member therefor comprising a plug member having a cap portion and being provided with a cylindrical surface portion freely slidably fitting said cylindrical bore portion for movement between an inner closed position and an outer open position, said plug member being of closed section transversely thereof and having a longitudinal passage extending therethrough and communicating at its inner end with the interior of said body, and having a lateral discharge port communicating with the upper end of said longitudinal passage, said discharge port being arranged above said neck when said plug member is in its open position, said container body being formed of normally self form-retaining material and being readily deformable for the displacement through said longitudinal passage and said discharge port of a paste material in said container member, the area of said longitudinal passage being substantially less than the cross sectional area of said plug to frictionally resist passage of the paste material therethrough to an extent greater than the resistance of said container body to outward deformation whereby, when said plug member is pushed to its closed position, the pressure generated within said container body by said plug member will deform said container body outwardly without appreciable movement of the paste material through said longitudinal passage, thus minimizing the formation of a daub of the paste material at said discharge port.

2,574,992
REEL
Benjamin R. Webster, Santa Monica, Calif.
Application January 21, 1948, Serial No. 3,499
3 Claims. (Cl. 242—96)



1. A reel for a coil of filamentary material comprising: a pair of dished plates of resilient

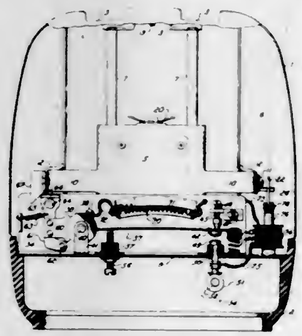
material having their concave surfaces facing each other; means to hold the center portions of said plates substantially in contact with each other; a plurality of legs extending radially outwardly of each plate, the legs of one plate overlying the legs of the other plate; a cooperating clamp portion at the end of each leg resiliently held in contact with the clamp portion of the mating leg; and a tab adjacent the end of each leg extending spacedly to the rear of the mating leg; whereby pressural contact on a cooperating pair of tabs will cause separation of their respective clamp portions.

2,574,993

TOASTER TIMING MECHANISM

Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 20, 1949, Serial No. 88,673
8 Claims. (Cl. 161—1)



1. Toaster timing means comprising a thermal element, means mounting said thermal element for bodily movement, a stop, means urging said thermal element against said stop, a heating element arranged to heat said thermal element to cause the same to move away from said stop by the thermal stress produced by said heating element, manually settable means for simultaneously energizing said heating means and for securing said thermal element against bodily movement on said mounting means to initiate a timing period, means operated by movement of said thermal element a predetermined distance away from said stop to release said securing means and to de-energize said heating means to terminate a timing period, and means mechanically biasing said thermal element against said stop as long as said thermostat is below a predetermined temperature.

2,574,994

LUBRICATING COMPOSITION

David E. Adelson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 24, 1947, Serial No. 782,045
11 Claims. (Cl. 252—46.6)

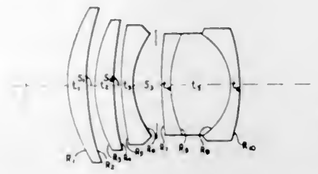
1. A lubricant comprising a major amount of a lubricating oil and a minor amount, sufficient to stabilize said oil against oxidation and corrosion deterioration, of a reaction product obtained by reacting an unsaturated cyclic ketone fraction having at least 12 carbon atoms with hydrogen sulfide and ammonium hydrosulfide, at between about room temperature and about 100° C. and treating the resulting reaction product with a phosphorus halide at between about steam temperature and 200° C. in the mol ratio of around 1 to 4 respectively.

2,574,995

PHOTOGRAPHIC OBJECTIVE CONSISTING OF THREE SIMPLE ELEMENTS AND A CEMENTED TRIPLET THEREBEHIND

George H. Aklin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 11, 1950, Serial No. 178,860
2 Claims. (Cl. 88—57)



1. A photographic objective consisting of four air-spaced components enclosing a diaphragm, the front two being simple positive menisci convex to the front, the third being a simple negative element with its rear surface more strongly curved than its front surface, the fourth being a cemented triplet positive in power and convex to the rear, consisting of a biconvex element between two negative elements of which three cemented elements the center one has the highest refractive index and the front one the lowest, characterized by the refractive index of the simple third component being lower than the average of the refractive indices of the three positive elements, by the radius of curvature of the front surface of the front component being greater than one-half that of the rear surface thereof and less than the focal length F of the objective as a whole, by the radius of curvature of the rear surface of the second component being greater than F and less than one-fourth the absolute value of the radius of curvature of the front surface of the third component, by the curvature $1/R_7$ of the front surface of the rear component being between $-0.2/F$ and $+0.5/F$, a negative curvature denoting concavity to the front and a positive curvature denoting convexity to the front, by the curvature of the rear surface of the biconvex element being numerically greater than that of the front surface thereof and the numerical sum of these two curvatures being between 5/F and 8/F, by the sum of the three air spaces being between 0.08F and 0.2F and by the over-all length from the front surface of the front component to the rear surface of the rear component being between 0.5F and 0.75F.

2,574,996

N-(ACETYLMERCAPTOACETYL)-N'-n-BUTYLUREA

Charles F. H. Allen and James A. Van Allan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 18, 1948, Serial No. 60,814
1 Claim. (Cl. 260—455)

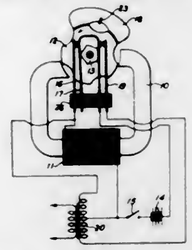
N-(acetylmercaptoacetyl)-N'-n-butylurea.

2,574,997

SELF-STARTING CONTACT TYPE ELECTRIC MOTOR

Lee T. Askren, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 22, 1950, Serial No. 157,581
3 Claims. (Cl. 172—36)



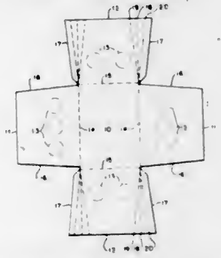
1. In an electric motor, a field magnet, a salient pole magnetic rotor, a contact device operated by rotation of said rotor for controlling the energization of the field magnet, a permanent magnet adjacent the periphery of said rotor, and support means for yieldingly holding the permanent magnet adjacent the position of a rotor salient pole when said rotor is at standstill with the contact device closed, said support means being constructed to yield only in the direction of rotation of said rotor.

2,574,998

ROUND CORNERED BOX

Charles Bangert, Jr., Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York

Application May 3, 1946, Serial No. 667,027
1 Claim. (Cl. 220—3.2)



An open top receptacle for electrical apparatus formed from a blank of sheet metal and having a rectangular bottom and trapezoidal side walls, each side wall extending in a plane perpendicular to the bottom, each of two opposed side walls being planar and of less width at its top edge than at the bottom, the intervening side walls having integral quarter-turn conical shaped side edges secured to the adjacent edges of the respective opposed walls, forming rounded corners at the open top of the box.

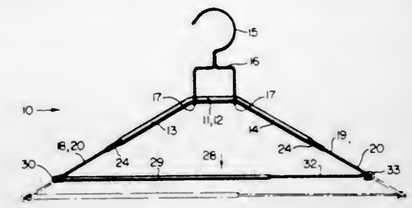
2,574,999

ADJUSTABLE GARMENT HANGER

Thomas A. Bell, Ridgefield Park, N. J.

Application July 13, 1950, Serial No. 173,593
1 Claim. (Cl. 223—89)

In a garment hanger, the combination of a tubular shoulder engaging portion and an extension member slidably engaged therein for varying the effective length thereof, said extension member being constituted by a single length of metal wire and comprising a loop portion, said extension member further comprising leg portions and a member extending inwardly from one of said leg portions toward said other leg portion, said tubular portion being substantially cylindrical and constricted at its outer end to constitute a substantially double cylindrical portion comprising two tubes side by side and a throat portion located between said tubes, one of said legs being slidably located in each of said two tubes and snugly engaged thereby substantially around the entire circumference of said leg, and said inwardly extending member being blockingly engaged by said throat portion at the outer limit of its travel to prevent complete withdrawal of said extension member from said first mentioned tubular portion.

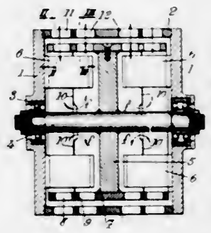


2,575,000

COOLING DEVICE FOR ELECTRICAL APPARATUS IN PARTICULAR ELECTRIC BRAKES

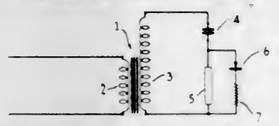
Pierre Etienne Bessière, Paris, France, assignor to Societe Electro-Mecanique de L'Aveyron S. A., Rodez, France, a society of France

Application May 29, 1948, Serial No. 30,026
In France October 23, 1947
14 Claims. (Cl. 172—285)



1. An electric brake which comprises, in combination, a frame, a shaft journalled in said frame connected with the part to be braked, a metal rotor carried by said shaft, electro-magnets carried by said frame to produce a magnetic field capable of braking said rotor under the effect of the Foucault currents resulting from rotation thereof, said electro-magnets, including the coils thereof, being disposed on either side of said rotor, and a metallic annular rim carried by the periphery of said rotor having a large cooling area to ensure evacuation of the heat developed in said rotor, the axial length of said annular rim being substantially greater than that of said rotor and equal to several times the radial thickness of said rim, and said annular rim surrounding at least a portion of said electro-magnets with their coils.

2,575,001
OPERATING SYSTEM FOR DISCHARGE DEVICES AND VAPOR ARC LAMPS
Lester F. Bird, Newark, N. J., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application February 7, 1948, Serial No. 6,908
4 Claims. (Cl. 315—276)



1. A vapor electric discharge device operating system comprising a main circuit, a source of alternating current therefor, a vapor electric discharge lamp connected in said main circuit, a shunt circuit connected directly across said discharge lamp, a capacitor connected in the main circuit of said system in series with both of said circuits, said shunt circuit comprising a rectifier means for charging said capacitor with a D. C. potential, said shunt circuit being operative only when said lamp remains non-conductive with a peak A. C. potential, the normal A. C. potential of said source being sufficient to continue lamp conduction after ignition.

2,575,002
LATENT IMAGE INTENSIFICATION
Burt H. Carroll, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 21, 1948, Serial No. 40,012
7 Claims. (Cl. 95—7)

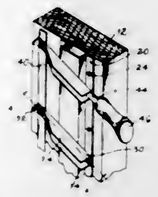
1. The method of intensifying the latent image of a photographic silver halide emulsion layer which comprises treating said emulsion layer subsequent to exposure and prior to development, with an aqueous solution obtained by adding a solution of a soluble auric salt to a hot solution containing an excess of an alkali metal thiocyanate, and developing the latent image.

2,575,003
FUEL OIL COMPOSITION
John B. R. Caron, North Plainfield, and Everett B. Glendenning, Cranford, N. J., and Calmy Wies, New York, N. Y., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 3, 1948, Serial No. 37,086
12 Claims. (Cl. 44—68)

5. An anti-clogging concentrate adapted to be added to a hydrocarbon distillate fuel normally susceptible toward clogging said concentrate comprising from about 10% to about 20% of a polyvalent metal naphthenate selected from the group consisting of iron naphthenate and aluminum naphthenate; from about 5% to about 15% of a metal salt of an organic sulfonic acid and the balance of the composition being a fuel oil.

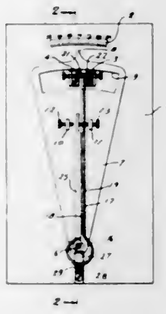
2,575,004
VENETIAN BLIND
Harry E. Condron, Jr., Dayton, Ohio, assignor to Allan McI. O'Leary, Dayton, Ohio
Application November 12, 1946, Serial No. 709,210
3 Claims. (Cl. 20—62)

1. A blind of the transverse slat type for a window opening, said blind including apertured channel members permanently secured to the jambs of the window frame, there being one channel member for each jamb, a plurality of equally spaced brackets pivotally mounted to one of the channel members, each of said brackets including a pair of parallel flanges directed in planes normal to the longitudinal axis of the channel members, a stop projecting outwardly from the bracket adjacent the ends of the flanges, means for interconnecting the brackets so as to cause the brackets to be adjusted in unison, and



a plurality of slats slightly shorter than the distance from the portion of the brackets between the flanges to the aperture in the channel member mounted on the opposite side of the window frame, each of said slats being provided with a pintle in one end, said pintles being journalled in the apertures in the channel member opposite the brackets, the other ends of the slats being removably mounted between the flanges of the brackets and normally in contact with the stop, a vacant area in the blind being provided by removing some of the slats.

2,575,005
ANTICIPATING THERMOSTAT
Austin B. Cosgrave, Remsenburg, N. Y.
Application May 5, 1948, Serial No. 25,277
2 Claims. (Cl. 200—138)

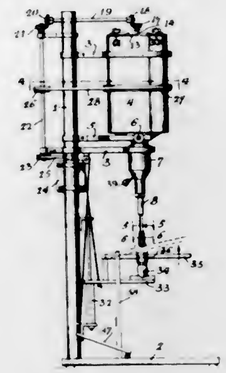


2. An anticipating thermostat comprising in combination, a frame, opposed contacts carried by the frame, a thermo-responsive expansible strip, a rotatable support member attached to one end of the strip and holding the same with its other end between the contacts, means frictionally resisting rotation of the said rotatable support, a plate carried by the frame and pivotally adjustable about the rotatable support member, opposed adjustable stops on said plate and a stop arm fixed to the rotatable support member and positioned between the stops for limiting rotation of the support member.

2,575,006
MIXTURES COMPRISING POLYACRYLONITRILE AND POLYMERIC ESTER-LACTONES
Harry W. Coover, Jr., Kingsport, Tenn., and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 29, 1950, Serial No. 159,144
16 Claims. (Cl. 260—30.4)

1. A resinous composition comprising from 60 to 90 per cent by weight of polyacrylonitrile and from 40 to 10 per cent by weight of an ester-lactone prepared by heating to reacting temperature one molecular proportion of an equimolar heteropolymer of maleic anhydride and an ester selected from the group consisting of vinyl acetate and isopropenyl acetate, with from 2 to 25 molecular proportions of a saturated monohydric aliphatic alcohol containing from 1 to 12 carbon atoms in the presence of an acid-esterification catalyst.

2,575,007
MACHINE FOR PAINTING THE INTERIOR OF PIPE BOWLS
Paul Deland, Montreal, Quebec, Canada
Application May 4, 1949, Serial No. 91,299
3 Claims. (Cl. 91—39)



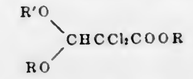
1. A painting machine comprising a frame, a paint receptacle rotatably supported thereby, a tube extending downwardly from said receptacle, the lower end of said tube having longitudinal slots, a clip inserted in said slots, bristles received in said clip and extending to the interior of said tube.

2,575,008
METHOD OF CREPING NYLON
Abraham L. Dorgin, New York, N. Y.
No Drawing. Application March 16, 1949, Serial No. 81,845
14 Claims. (Cl. 28—76)

1. A method of making a fabric wholly of nylon which comprises forming a fabric with yarn consisting of nylon combined with silk, shrinking the silk to give a creped position to the nylon, setting the nylon in this creped position by the application of heat, and dissolving the silk to remove it from the fabric.

2,575,009
DICHLORO DIETHER ESTERS
Marian F. Fegley, Mont Clare, and Willard J. Croxall, Bryn Athyn, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 19, 1949, Serial No. 111,333
8 Claims. (Cl. 260—473)

1. A process for preparing compounds of the formula



which comprises reacting together a monohydroxy compound, R'OH, and an ester of the formula

ROCHClCCl$_2$COOR

and splitting out HCl, R being an alkyl group of not over four carbon atoms and R' being the non-hydroxylated residue of a member of the class consisting of monohydric aliphatic alcohols in which the residue is a hydrocarbon group, and monohydric phenols.

2,575,010
DICHLOROMALONALDEHYDATES
Marian F. Fegley, Mont Clare, and Willard J. Croxall, Bryn Athyn, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 19, 1949, Serial No. 111,334
4 Claims. (Cl. 260—483)

1. A process for preparing a non-tertiary alkyl α,α-dichloromalonaldehydate which comprises reacting an alkyl β-alkoxyacrylate in which the alkyl group contains not over four carbon atoms with a dilute solution of hypochlorous acid at a temperature between −5° C. and 20° C.

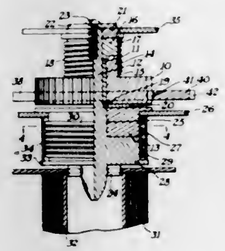
2,575,011
COMPOSITION COMPRISING A VINYL CHLORIDE RESIN AND 3,5-DIMETHYL Δ4:5-CYCLOHEXENE 1,2-DI-2-ETHYLHEXYL DICARBOXYLATE
George L. Fraser, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 25, 1948, Serial No. 51,319
6 Claims. (Cl. 260—31.8)

1. A composition comprising a vinyl chloride-containing polymer and a compatible amount of 3:5 dimethyl Δ4:5 cyclohexene 1:2 di-2-ethyl hexyl dicarboxylate.

2,575,012
RAPID FILM WIND DEVICE
Douglass C. Harvey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.
Application December 30, 1947, Serial No. 794,637
8 Claims. (Cl. 242—71)

1. A film winding device for a roll film camera comprising a winding shaft member having a boss adjacent each end of the shaft, each boss having a cylindrical clutch surface, means adapted to impart unidirectional rotation to said winding shaft member rotatably mounted on said member and including a projection having a cylindrical clutch surface poistioned adjacent to

and of curvature similar to the cylindrical surface on one of said bosses, a continuous coil spring wound about said adjacent cylindrical surfaces, means adapted to be non-rotatably secured to the camera, said winding shaft member being journalled in said latter means, said latter means having a cylindrical clutch surface positioned adja-



cent to and of curvature similar to the cylindrical surface on the other of said bosses, a second continuous coil spring wound about the latter cylindrical surfaces to permit unidirectional rotation of the winding shaft member relative to said latter means, said coil springs being wound in opposite directions.

2,575,013

PRODUCTION OF REFINED TALL OIL

Torsten Hasselstrom and Michael Stoll, New York, N. Y., assignors, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application August 1, 1947, Serial No. 765,628
4 Claims. (Cl. 260—97.7)

1. The method for the production of a refined tall oil which comprises admixing a material selected from the group consisting of sulfuric acid and sodium acid sulfate with an intimate mixture of an aqueous tall oil soap, containing sterols and color bodies, and a hydrocarbon solvent until the pH value of the aqueous phase is below 7, permitting the mixture to stand for a period sufficient for the formation of an aqueous lower layer containing color bodies and a supernatant layer containing tall oil dissolved in the solvent, discarding the lower aqueous layer and recovering the tall oil from the supernatant solvent layer.

2,575,014

PRODUCTION OF ALIPHATIC DI-KETONES

Edwin George Edward Hawkins, Lower Kingswood, Tadworth, England, assignor to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application April 5, 1949, Serial No. 85,709. In Great Britain April 29, 1948
6 Claims. (Cl. 260—593)

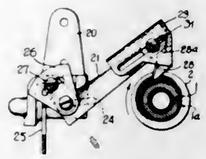
1. A process which comprises reacting with a solution of a ferrous salt in the presence of some water, a hydroperoxide of an alkyl substituted saturated alicyclic hydrocarbon ring selected from the group consisting of cyclopentane and cyclohexane wherein the peroxide group is attached to a tertiary carbon atom which forms part of said hydrocarbon ring and is also attached to said alkyl group, the di-ketone produced having twice as many carbon atoms as the said ring compound.

2,575,015

THREAD CUTTER FOR BOBBIN WINDERS

William E. Hendricks, Fair Haven, Mass., assignor to Whitin Machine Works, a corporation of Massachusetts

Application April 21, 1945, Serial No. 589,540
9 Claims. (Cl. 242—19)



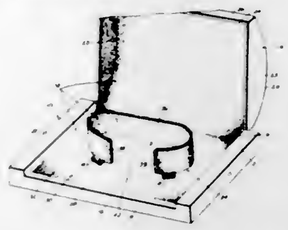
1. In an automatic bobbin winder of the kind in which the yarn is attached to the bobbin for winding by being pinched between the end of the bobbin and a chuck, means for removing the scrap end thus produced comprising a knife-carrying member provided with means for advancing the knife into contact with the bobbin after winding has commenced, a knife having a smooth non-cutting edge back of its point and mounted on said member so that any contact of it with the bobbin is by said smooth edge rather than the point, said knife being located to intercept and cut the yarn on the bobbin where it is slightly spaced from the surface thereof, and a resilient mounting for securing said knife on said carrier, said mounting permitting relative movement between said knife and said carrier when the knife is pressed to said bobbin.

2,575,016

JEWELRY STORAGE AND DISPLAY CASE

Harold P. Hopp, Englewood, N. J., and August E. Kunzelman, White Plains, N. Y., assignors to Longines-Wittnauer Watch Co. Inc., New York, N. Y., a corporation

Application April 11, 1950, Serial No. 155,322
10 Claims. (Cl. 206—45.15)



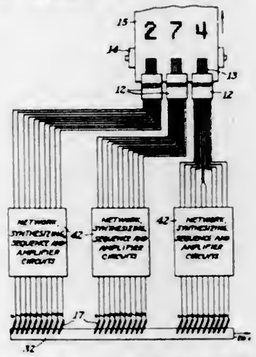
1. In an article-display device, a base, and an article-holder member pivotally mounted on said base for movement from a first position to a second position, said base and said holder member having means including interengaging portions which are integral with said base and holder member, respectively, which releasably secure said holder member in either of said positions, at least one of said portions being resiliently flexible and having a snap-over engagement with another of said portions in the movement of said holder member from one of said positions to the other position, said resiliently flexible portion being a slit portion of said base outwardly flexible from the remainder thereof, a portion of said holder member extending therefrom and engaging said flexible portion which is outwardly flexed thereby.

2,575,017

APPARATUS FOR SYNTHESIZING FACSIMILE SIGNALS FROM CODED SIGNALS

Clayton E. Hunt, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 29, 1950, Serial No. 176,594
6 Claims. (Cl. 178—6.6)



4. In apparatus for translating a series of coded character signals into a multiple series of electric signals corresponding to a parallel scanning of the coded characters in succession, a plurality of relays arranged equivalent to the columns and rows of a matrix, the relays in each row being connected in parallel between a pair of buses so that the operation of any relays in a row furnishes a signal to its buses, a network individual to each character for selectively conditioning, when energized, the relays in accordance with the character to which the network is individual, means for operating the conditioned relays in columnar sequence, whereby a series of signals are furnished each pair of buses, and analyzing means responsive to each coded signal for energizing the network individual to the character represented by the signal.

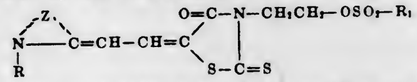
2,575,018

PHOTOGRAPHIC SENSITIZING DYES COMPRISING A BENZOXAZOLE NUCLEUS

Grafton H. Keyes and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y.

No Drawing. Application September 24, 1949, Serial No. 117,708
4 Claims. (Cl. 260—240.4)

1. A polymethine dye selected from those represented by the following general formula:



wherein R represents a primary alkyl group of the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4, R_1 represents an aromatic nucleus of the benzene series and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus of the benzoxazole series.

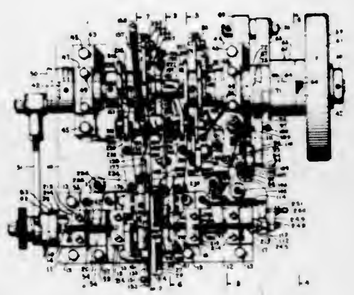
2,575,019

SNAP FASTENER CARDING MACHINE

Max Kiessling, Waterbury, Conn., assignor to The American Fastener Company, Waterbury, Conn., a corporation of Connecticut

Application February 5, 1948, Serial No. 6,464
15 Claims. (Cl. 218—18)

1. In a machine for applying snap fasteners to cards, a card holder, means for closing a snap fastener upon a card in said card holder including a stud carrier and a spring carrier supported at opposite sides of said card holder, said carriers comprising means for supporting a stud and a spring, respectively, devices for feeding successive studs and springs to said stud carrier and said spring carrier, respectively, mechanism for moving said card holder rotatively to bring different radially disposed portions of the card successively into position between said stud carrier and said spring carrier, and means for continually operating said closing means, said feeding devices, and said card holder moving mechanism in periodic timed relation, whereby a circular series of snap fasteners will be applied to the card.

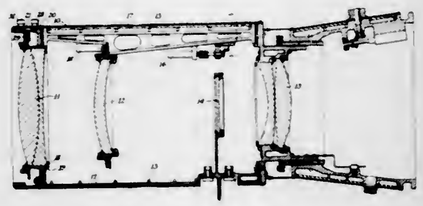


2,575,020

FOCUS ADJUSTING MECHANISM FOR AERIAL CAMERAS

Charles M. Lee and Gordon L. Barringer, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 6, 1947, Serial No. 790,184
9 Claims. (Cl. 95—12.5)



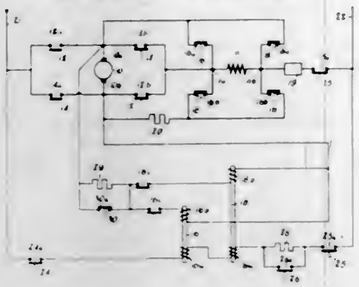
1. In an aerial camera, the combination with a lens system having a front lens element which is axially adjustable for focusing, a dial having a scale thereon calibrated in terms of altitude, a second dial having a scale thereon calibrated in terms of pressure altitude, said dials being positioned with the scales thereon in edge to edge relation, said second dial being movable relative to said first dial to adjust said second scale relative to said first scale to add preselected readings on said scales, and means for connecting said second dial to said lens element to move the latter upon movement of said second dial to transmit the addition to said lens so as to adjust the latter to compensate both for altitude and pressure altitude.

2,575,021

DYNAMIC BRAKING OF A SINGLE DIRECT-CURRENT SERIES MOTOR

John D. Leitch, Shaker Heights, and Paul G. White, Cleveland, Ohio, assignors to The Electric Controller & Mfg. Co., Cleveland, Ohio, a corporation of Ohio

Application March 21, 1947, Serial No. 736,146
20 Claims. (Cl. 318—368)



7. A controller for a direct current motor having an armature winding and a series field winding, means adapted, when connected to said motor, to connect the motor to a source of power for forward and reverse operation selectively, a first normally-closed electromagnetic switch means adapted to connect the motor windings in a closed loop circuit for dynamic braking while the motor is rotating in the forward direction, a second normally-closed electromagnetic switch means adapted to connect the motor windings in a closed loop circuit for dynamic braking while the motor is rotating in the reverse direction, each of said switch means including a pair of windings and a magnetic circuit at least a portion of which is common to its pair of windings, means adapted to connect one winding of each pair for energization from said source of power while the motor is also connected to said source, means adapted to connect the other winding of each pair to the motor for energization by the generated voltage of said motor, the pair of windings associated with the first normally-closed switch means being in opposition while the motor is rotating in the forward direction and additive while the motor is operating in the reverse direction, the pair of windings associated with the second normally-closed switch means being in opposition while the motor is operating in the reverse direction and additive while the motor is operating in the forward direction, the flux produced in the common portion of the associated magnetic circuit by said one winding of each pair being in excess of the amount of flux produced in the common portion by the respective other winding of each pair, each of said switch means being held in a normally-open position by the algebraic sum of the fluxes in the common portion of the magnetic circuit thereof and being movable to its normally-closed position upon reduction of said algebraic sum below a given value.

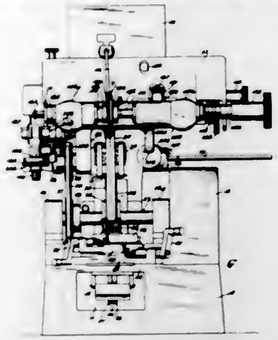
2,575,022

LENS BEVELING MACHINE

Arthur Lemay, Ozone Park, N .Y.

Application February 21, 1949, Serial No. 77,589
10 Claims. (Cl. 51—101)

1. In a lens beveling machine of the character described, a frame, a grooved grinding wheel rotatably journalled within said frame and adapted to be coupled to a source of power, a post mounted vertically in said frame, a main housing rotatably mounted on said vertical post, a lens housing secured to said main housing and pivotable vertically relative to same, said lens housing being adapted to have a lens rotatably mounted thereon, said main housing and said lens housing being adapted to be positioned to set said lens in the groove in said grinding wheel, lever



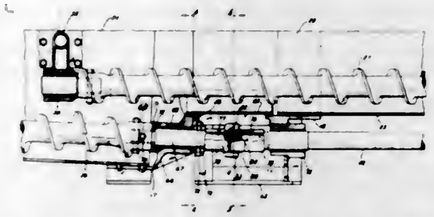
means secured to said vertical post and carrying a depending lever member, said lever member being rotatable in a vertical plane and being adapted to engage said main housing to exert a force of rotation on same, a weight arm secured to said lever member and extending laterally therefrom, a weight mounted on said weight arm and adjustable thereon to vary the force of rotation exerted by said lever member on said main housing.

2,575,023

FUEL RECEIVING AND CONVEYING APPARATUS

Eugene Martin, Wesleyville, Pa., assignor to Read Standard Corporation, a corporation of Delaware

Application December 11, 1946, Serial No. 715,496
1 Claim. (Cl. 198—15)



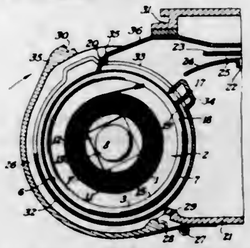
A stoker trough adapted to be mounted throughout its length beneath the fuel bin of a locomotive tender, said trough comprising a rearward open mouth trough section and a forward open mouth trough section in end to end communication, both said sections being disposed to receive fuel by gravity from said fuel bin, the bottom wall of said rearward trough section being offset in a plane above the bottom wall of said forward trough section at the adjacent ends of said trough sections, a connecting wall joining the adjacent ends of said rearward and forward trough section bottom walls, a recess formed in the forward end of the bottom wall of said rearward trough section extending rearward of said connecting wall, longitudinally extending guideways formed in that portion of said rearward trough section defining the sides of said recess, and a plate slidably mounted in said guideways normally closing said recess and forming part of the bottom wall of said rearward trough section, said plate being movable forwardly out of said recess into said forward trough section to provide access from within the trough to the space therebeneath through said recess.

2,575,024

ROLL FILM CAMERA UTILIZING SPRING CLOSED FILM RETORTS

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 20, 1947, Serial No. 729,759
6 Claims. (Cl. 95—31)



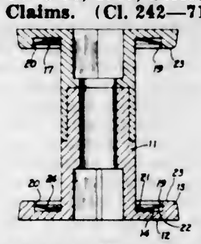
1. A roll-holding camera for use with retorts comprising a film spool having flanges, convolutions of film wound thereon, a protective generally tubular spring sheath having normally overlapping ends and surrounding the film and engaging the flanges of the film spool, a first and a second handle on the spring sheath to separate the overlapping ends, the combination with a camera body of a two-part spool chamber carried by the camera body to receive a retort, one part being movably carried by the camera body and the other part being immovably carried thereby, the movable part being movable to insert and remove a retort in the spool chamber, a film spool engaging shaft and a winding knob carried by a spool chamber part, a first retort handle-engaging member carried by the immovable camera spool chamber part for engaging the first retort handle, a second retort handle-engaging member carried by the movable camera spool chamber part whereby the fixed and movable spool chamber parts may be moved together to close the spool chamber and separate the first and second retort handles to separate the overlapping ends of a retort therein.

2,575,025

LIGHT LOCK FOR ROLL-FILM SPOOLS

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 30, 1949, Serial No. 102,227
3 Claims. (Cl. 242—71)



1. In a photographic film spool, the combination with a core on which a film strip is to be wound, flanges positioned on the ends of said core, inwardly extending annular beads formed on said flanges adjacent the peripheries thereof, the inner surfaces of said beads being spaced apart a fixed distance less than the width of said strip, of a pair of flexible spherically dished washers positioned on said core adjacent said flanges, said washers having a diameter less than said beads and being dished inwardly toward each other but with the peripheries thereof extending inwardly from said flanges a distance substantially less than said beads so that said washers will lie within said beads and will engage yieldably the marginal edges of said strip adjacent said beads to afford a light lock for the strip wound on said core.

2,575,026

IMPROVING FASTNESS TO CROCKING OF AZOIC DYED MATERIALS USING CERTAIN VINYL RESINS

Elmer H. Rossin, Melrose, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 28, 1948, Serial No. 29,923
12 Claims. (Cl. 8—18)

1. A process of improving the fastness to crocking of azoic dyed cellulosic materials which comprises first forming an azoic dye in situ on a cellulosic textile material selected from the group consisting of natural and regenerated cellulose textile materials by treating said material with a naphthol developer and a coupling agent selected from the group consisting of diazo salts and bases, subsequently treating said material with an aqueous solution comprising from 0.5 to 5% by weight of a water-soluble salt of a copolymer of 1 to 2 molecular proportions of a polymerizable vinyl compound having the structural formula $R—CH=CH_2$, where R is selected from the group consisting of the phenyl radical, a halogen substituted phenyl radical and a methyl substituted phenyl radical, with 1 molecular proportion of an ethylene α,β-dicarboxylic compound selected from the group consisting of maleic anhydride, maleic acid, fumaric acid and alkyl half esters of said acids, in which the alkyl group contains from 1 to 6 carbon atoms, and mixtures of these compounds, said salt being selected from the group consisting of ammonium and amine salts, said solution being supplied in an amount sufficient to provide from about 0.4 to 5% by weight of said salt based on the weight of the material; and drying said material at temperatures above about 180° F. to substantially insolubilize said salt.

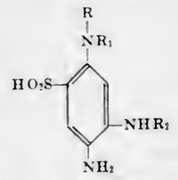
2,575,027

N-SUBSTITUTED 4,6-DIAMINO METANILIC ACIDS

Willy A. Schmidt, Easton, Pa., and Vsevolod Tulagin, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 29, 1949, Serial No. 124,502
2 Claims. (Cl. 260—510)

1. Compounds of the following general formula:



wherein R is selected from the class consisting of hydrogen and lower alkyl hydrocarbon, R_1 is

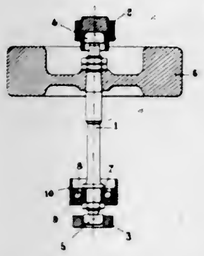
selected from the class consisting of a lower aliphatic radical and a phenyl radical, and R_2 is selected from the class consisting of lower sulfoalkyl hydrocarbon and lower carboxyalkyl hydrocarbon.

2,575,028

ROTATION REGULATING DEVICE

Robert Schwayder, Paris, France, assignor to Societe Anonyme dite: Etablissements Edgar Brandt, Paris, France

Application January 29, 1947, Serial No. 725,138
In France January 30, 1946
4 Claims. (Cl. 74—574)



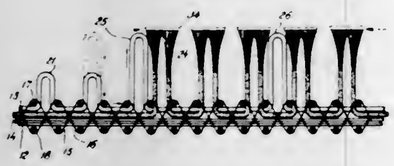
2. A regulating device comprising a rotatable shaft, a fly wheel carried by said shaft for rotation therewith, a ball bearing means carried by said shaft, a drum rotatably carried by said ball bearing means, and fluid means in said ball bearing to impart drag thereto.

2,575,029

METHOD OF MAKING PILE FABRICS

Howard L. Shuttleworth, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York

Application February 15, 1947, Serial No. 728,867
2 Claims. (Cl. 139—406)



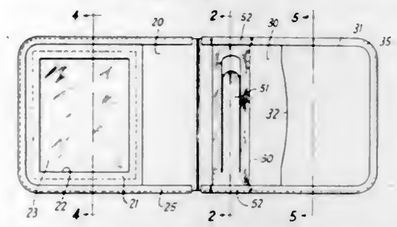
1. A method of making a pile fabric having a backing and a plurality of pile warps which comprises forming the backing with the pile warps held therein by elements of the backing, raising the pile warps selectively from the backing in accordance with a pattern and restoring them to the backing to form transverse rows of portions of the pile warps projecting above the backing to form pile having portions thereof in alternate rows projecting from the backing to a height higher than the pile warps in other rows, cutting said portions in said alternate rows along the backing to form tufts, while leaving the portions in the intermediate rows uncut to form loops, increasing the height of the loops in each row thereof to a height less than the height of the tufts and then reducing the height of only the loops of those pile warps of which portions are raised in the next succeeding intermediate row.

2,575,030

WALLET DEVICE WITH MONEY HOLDING CLIP

Samuel J. Smallman, Passaic, N. J., assignor to I. Smallman and Sons Co., New York, N. Y., a corporation of New Jersey

Application April 22, 1949, Serial No. 89,101
2 Claims. (Cl. 150—38)



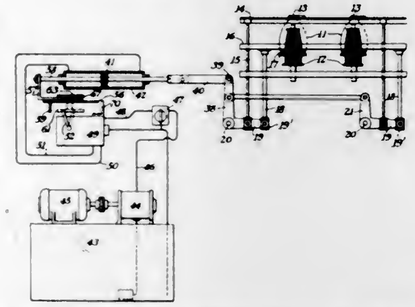
1. A wallet device comprising, in combination, hingedly interrelated leaves; relatively rigid reinforcing means secured to the free longitudinal and end edges of one of said leaves; and paper holding clip means lying against the inner surface of said one leaf, said clip means extending transversely of said one leaf and having its opposite ends engaged with the opposite longitudinal portions of said reinforcing means; said reinforcing means being deformed around the opposite ends of said clip means to anchor the latter against movement longitudinally of said one leaf.

2,575,031

HYDRAULIC OPERATOR TRAVERSE MECHANISM

Kenneth E. Smith, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 8, 1946, Serial No. 701,945
5 Claims. (Cl. 242—43.3)



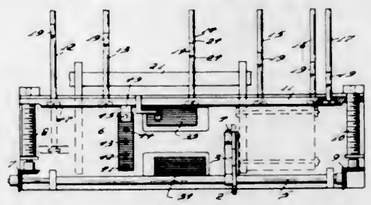
1. In a continuous-filament spinning machine, the combination, of a rotating bobbin on which a filament is to be wound, traverse mechanism reciprocating axially of said bobbin to distribute said filament thereon in a plurality of superimposed layers, a liquid actuated reciprocating device, means operatively connecting said device to said traverse mechanism to reciprocate the latter, indexing means including an adjustable cam movable as a unit with said device for operating said connecting means, and a fixed stop independent of said cam and engageable by said indexing means upon reciprocation of said device for progressively changing the position of said cam to change the stroke of said device gradually to alter the axial movement of said traverse mechanism.

2,575,032

APPARATUS FOR CHANGING THE MECHANICAL ADVANTAGE OF A SYSTEM

John R. Stovall, Jr., Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 25, 1947, Serial No. 743,768
5 Claims. (Class 74—516)



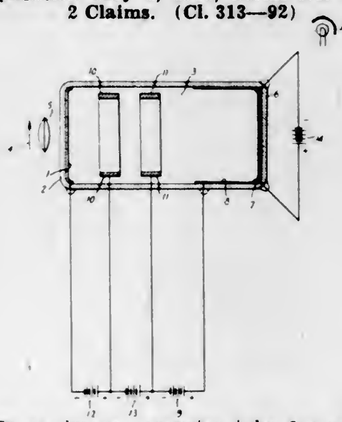
5. Apparatus for changing the mechanical advantage of a system having spaced members between which contact is to be made to determine the mechanical advantage of the system, comprising a series of contact rods having enlarged contact portions, a bar carrying said rods, a motor to move said bar relatively to said members, and an electric circuit controlling said motor and comprising a lamp for each rod, normally closed contacts laterally spaced at desired step positions, an individual switch resistor for each contact and remotely located from the apparatus and such that for distinct lateral positions of said bar a contact is opened and a lamp illuminated, and such that the lamp and resistor are then in series with said motor and drops its voltage to such a value that it stops, a momentary switch bridging all lamps and resistors for initiating a step, limit switches actuated by said bar at the desired travel extreme of said bar, and a motor reversing switch remotely located from the apparatus.

2,575,033

IMAGE CONVERTER TUBE

Constantin S. Szegho, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois

Application May 1, 1948, Serial No. 24,631
2 Claims. (Cl. 313—92)



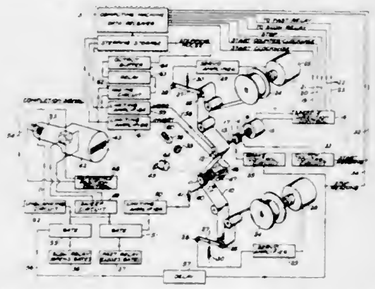
1. In an image converter tube for producing still images of objects, a photocathode exposed to light rays emanating from the object, a screen comprising ionic crystals aligned with said photocathode and cumulatively responsive to the impingement of electrons therefrom, means for accelerating and focusing the electrons onto the screen and means connected to said screen for erasing an image from the screen.

2,575,034

READER FOR TRANSLATING DIGITAL DATA RECORDED ON FILM INTO ELECTRIC PULSES SUITABLE FOR INPUT TO A COMPUTER

Arthur W. Tyler, Rochester, N. Y., and Russell D. O'Neal, Ann Arbor, Mich., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 22, 1949, Serial No. 117,094
5 Claims. (Cl. 235—61.11)



1. Apparatus of the class described for integration with a computer having a stepping storage for receiving data, comprising a word input circuit and a complement input circuit for the stepping storage, means for moving a film strip having coded words thereon past a reading station, said words being distributed lengthwise of the film and the digits of said words being distributed transverse of the film, photoelectric scanning means for analyzing in digital sequence each coded word moved past the reading station to generate for each digit analyzed an electric signal in the word circuit or the complement circuit in accordance with the value of each digit, a delay circuit connected to both the word circuit and the complement circuit for furnishing a stepping pulse to the stepping storage for every electric signal generated by said scanning means, and time responsive means for furnishing a completion signal to the stepping storage after each word has been analyzed.

2,575,035

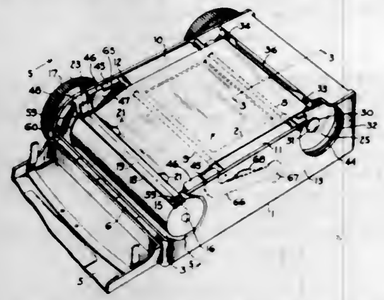
CAMERA, INCLUDING RAPID FILM THREADING AND RELEASING MEANS

Roger W. Wallace and Paul J. Ernisse, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 17, 1947, Serial No. 722,712
13 Claims. (Cl. 95—31)

1. In a roll-holding camera for use with film cartridges comprising convolutions of film wound on a spool and a transverse strip on the lead end wider than the film, the combination with a camera body having side walls, film chambers at each end between the side walls, of a film-winding hub mounted in a film chamber adapted to be turned to wind film, the ends of said hub extending into apertures in the side walls, the hub and side walls providing a means for retaining the transverse strip against the hub during a film-winding operation, and two pairs of guideways spaced to permit sliding movement of the

transverse strip therein, one pair extending radially from the hub for loading, and the other

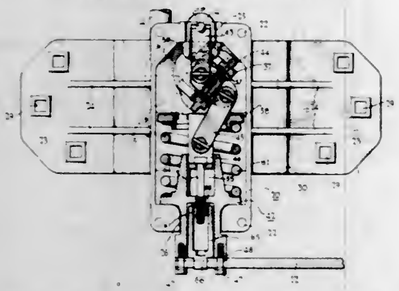


pair extending tangentially therefrom for unloading.

2,575,036
PROCESS FOR PREPARING CYANO ARYLAMIDES
De Walt S. Young, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 24, 1950, Serial No. 164,031
4 Claims. (Cl. 260—465)

1. A process for preparing p-cyanoacetanilide comprising adding an aqueous solution of p-acetaminobenzene diazonium sulfate adjusted to a temperature of from 10° to 15° C., simultaneously with an aqueous solution of sodium cyanide adjusted to room temperature, at molecularly equivalent rates of the diazonium sulfate and the sodium cyanide, to an agitated solution of a catalyst maintained at a temperature of from 80° to 85° C. and comprising a complex salt of equal molar weights of cuprous cyanide and sodium cyanide, continuing the reaction to completion, and then separating the p-cyanoacetanilide which forms.

2,575,037
SWITCH STAND
Alfred F. Andersen, Danbury, Conn., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application December 22, 1945, Serial No. 636,620
14 Claims. (Cl. 246—411)



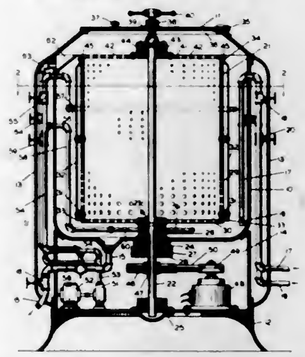
1. In an automatic switchstand, a case, a spindle journaled in said case for connection with a switch, said spindle having a bearing, a crank assembly comprising pivoted links and working in said bearing to rotate said spindle by rotation of said crank assembly, spring means for resisting the alignment of said links during automatic operation, and means for relieving pressure of said spring means on said spindle at dead center position; and means to rotate said crank assembly to operate the switchstand.

2,575,038
POWERED TRIMMER
Frank W. Banka, Park Ridge, Ill.
Application July 19, 1945, Serial No. 605,903
3 Claims. (Cl. 30—216)



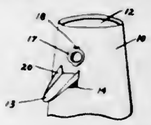
1. In a portable power driven hedge trimmer, a base blade and a cutter blade assembly in wiping contact with each other, each having cutting teeth on both of its opposite parallel edges, a housing support forming a continuation of said base blades, studs anchored in said base blade, extending through slots in said cutter blade whereby to direct and limit the movement of said cutter blade in respect to said base blade, a housing bolted to said housing support and presenting a stop shoulder transverse to said blades, an electric motor attached to said housing and including a shaft journaled in said housing, a gear driven by said shaft journaled on a cantilever stud within said housing, a stanchion bracket rigidly secure to said cutter blade for receiving reciprocal motion from said gear, a mounting strip carried by said anchored studs, headed stud pins integral with said stud mounting strip, and a sheet metal guard including a mount portion having apertures for receiving said stud pins, said apertures comprising elongated slots terminating at each end with enlarged circular clearances whereby said guard may be applied to said stud pins reversibly to cover one or the other of the opposite cutting edges of said blade assembly.

2,575,039
WASHING MACHINE
John Barnes, Milwaukee, Wis.
Application August 9, 1949, Serial No. 109,358
4 Claims. (Cl. 68—148)



1. A device of the character described comprising, an outer shell, said outer shell open at its upper end, a perforated inner shell, an auxiliary shell encircling the outer periphery of said inner shell, said auxiliary shell spaced away from the surface of said inner shell, said auxiliary shell closed at the top and open at its lower end, the top being attached to the peripheral surface of the perforated inner shell said inner shell open at its upper end the open top of said inner shell being below the top of said outer shell, a cover for said outer and inner shell said covers attached to one another and disposed in parallel relation to one another, the cover of said inner shell being perforated, a vertical shaft supported by the cover of said inner shell and the bottom of said outer shell, means for revolving said inner shell, said outer shell provided with an inlet and outlet port for liquid, a perforated tubular member disposed between said inner and outer shell, a perforated tubular member disposed below the perforated bottom of said inner shell, and means for supplying air to said perforated members.

2,575,040
POURING SPOUT FOR LIQUID CONTAINERS WITH OPENING AND CLOSURE, SAID SPOUT ADAPTED TO BE SEALED AROUND THE CLOSED OPENING
Anthony J. Batzler, Milwaukee, Wis.
Application January 27, 1949, Serial No. 73,020
2 Claims. (Cl. 222—529)



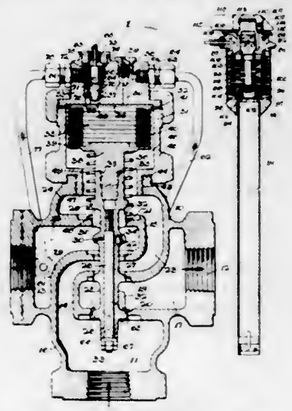
1. A device of the character described in combination with a receptacle, said receptacle provided with a filler cap at its top, an aperture through the outer wall of said receptacle at a point lower than said filler cap, a pouring spout hingedly supported by the outer wall of said receptacle, a bung hingedly supported for engagement into said aperture, said pouring spout arranged to cover said bung, the outer edges of said pouring spout adapted to be sealed against the outer surface of the receptacle wall.

2,575,041
PRODUCTION OF ESTERS OF N-ETHANOL MORPHOLINE
Emile Bauer, Valence-sur-Rhone, France, assignor to Jeanne, Sophie Barnier, Valence-sur-Rhone (Drome), France
No Drawing. Application July 30, 1947, Serial No. 764,910. In France May 23, 1947
2 Claims. (Cl. 260—247.2)

1. A method for producing morpholines which consists in heating triethanolamine with long chain fatty acids at a temperature from 180° C. to 280° C. in order to form first a condensation product of said triethanolamine with said long chain fatty acid with elimination of one molecule of water, and continuing heating, thereby eliminating an additional molecule of water and forming the morpholine ring.

2,575,042
PILOT OPERATED VALVE MECHANISM
Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application July 26, 1948, Serial No. 40,693
7 Claims. (Cl. 236—80)

2. In a pilot operated valve mechanism for prorationing the flow between supply and by-pass conduits, the combination of a valve housing having interior webs providing an inlet chamber, a supply conduit outlet chamber and a by-pass outlet chamber, said interior webs having ports between the inlet chamber and the supply conduit outlet chamber and between the inlet chamber and the by-pass outlet chamber, supply and by-pass valve mechanisms respectively cooperating with said ports and operatively connected to move as a unit, an expansible and collapsible chamber operatively connected to said valve mechanism, means providing a passage communicating with said inlet chamber and said expansible and collapsible

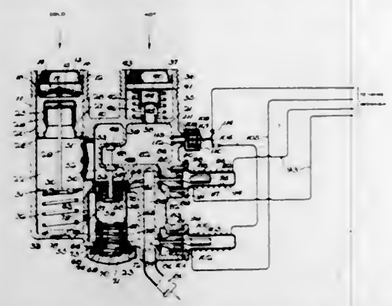


chamber, means providing a chamber in communication with said inlet chamber whereby the exterior of said expansible and collapsible chamber is subjected to a pressure less than the pressure in the inlet chamber, means providing a passage between said expansible and collapsible chamber and said by-pass outlet chamber, a pilot valve mechanism associated with said last named passage for determining when the pressure in said expansible and collapsible chamber shall correspond with the pressure in said inlet chamber, said pilot valve mechanism including a valve member associated with the inlet of said last named passage, and a thermostat operatively connected to said pilot valve member.

2,575,043
MIXING VALVE WITH CONSTANT FLOW MECHANISM
Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application November 5, 1948, Serial No. 58,413
12 Claims. (Cl. 236—12)

1. In a device of the character described, in combination with a housing providing a mixing chamber, an outlet passage for communication with said mixing chamber, an inlet passage for one of the fluids to be mixed communicating with said mixing chamber and a second chamber having a partition separating the same from said mixing chamber and having a second inlet passage for the other fluid to be mixed, valve mechanism in said first named inlet passage, constant flow mechanism in said mixing chamber for maintaining a substantially constant flow of fluid therethrough and directly connected to said valve mechanism, said constant flow mechanism including a yieldably mounted member cooperable with the wall of said mixing chamber for defining

an orifice of predetermined area through which mixed fluid under pressure may flow to opposite sides of said member, a second valve mechanism associated with said partition for controlling the



fluid flow from said second chamber to said mixing chamber, and a thermostat subjected to the temperature of the mixture and operatively connected to said second valve mechanism.

2,575,044

DETACHABLE FISHHOOK CONNECTOR

Ferris H. Caldwell, Canton, N. Y.

Application September 13, 1950, Serial No. 184,637
3 Claims. (Cl. 43—42.44)



1. A detachable connection for securing fishhook eyelets to fishing plug members and other fishing tackle members, comprising in combination a strip of sheet metal having end portions comprising a pair of closely spaced tabs for securement to the member, the middle portion of said sheet metal strip being formed to extend from one tab away from the member downwardly around and thence back up to the other tab and forming two spaced-apart generally parallel channels, one of which channels is positioned to extend along the surface of the member and the other channel being spaced therefrom, the mid-portion of such sheet metal strip having a cut away portion at a region intermediate the ends of the latter channel to provide a space for receiving the fish hook eyelet, and a longitudinally slidable key member having a finger portion at one end and a U-shaped portion at the other end, the branches of such U-shaped portion being slidable respectively in said channels.

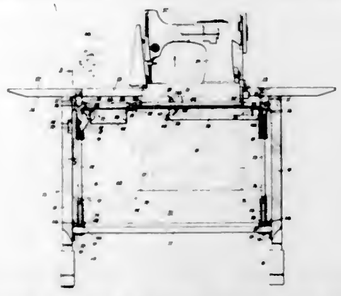
2,575,045

CABINET WITH SEWING MACHINE RAISING AND LOWERING MECHANISMS

Daniel H. Chason, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application September 14, 1946, Serial No. 697,139
7 Claims. (Cl. 312—29)

1. A sewing machine cabinet comprising an apertured fixed cabinet-top member, a pair of legs supporting said cabinet-top member, a shelf connecting said legs at a point below said cabinet-top member, a pair of upstanding rods extending between said shelf and said cabinet-top member, a sewing machine carrying member slidably movable on said rods, a latch means on one of said members, and a J-shaped hook pivotally carried by the other of said members and arranged to engage latch means on the first of said members,



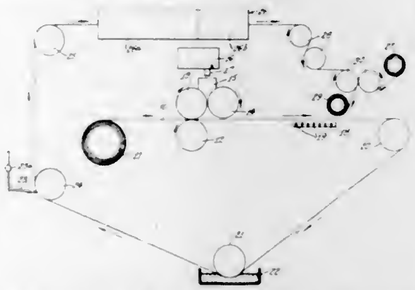
said hook having a finger portion locking said pivotal hook in engaging position while it is supporting said platform and said hook also having a vertically cutaway portion which permits raising said sewing machine carrying member a short distance without moving said hook.

2,575,046

PROCESS FOR PRODUCING ORNAMENTAL PLASTIC FILMS

Marc A. Chavannes, Lisbon, and George T. Traut, Danielson, Conn., assignors, by direct and mesne assignments, to Chavannes Industrial Synthetics, Inc., New York, N. Y., a corporation of Delaware

Application December 19, 1945, Serial No. 635,982
35 Claims. (Cl. 18—57)



1. A method of forming a glossy, self-sustaining, resinous film, comprising the steps of forming on a flexible carrier a layer of an organosol comprising polymerized vinyl chloride, a plasticizer, and a diluent, drying said layer only partially, applying to said layer while it is on said carrier and before it has dried sufficiently to be self-sustaining a solvent for said polymerized vinyl chloride, substantially completely drying said layer and fusing it to convert it into a self-sustaining film, and thereafter stripping said film from said carrier.

2,575,047

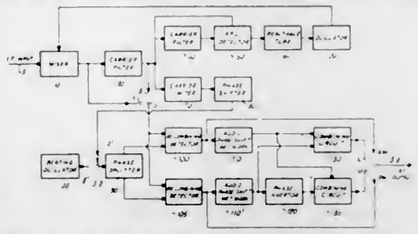
EXALTED CARRIER RECEIVER

Murray G. Crosby, Riverhead, N. Y.

Application July 14, 1948, Serial No. 38,710
10 Claims. (Cl. 250—20)

2. A signal receiver comprising, in combination, means for receiving modulated signal waves,

filter means for filtering the signal waves to attenuate the modulations to derive a filtered carrier output, means for combining the received modulated wave with the filtered carrier output and detecting the signal modulations to derive a first audio frequency output, phase shifting means for shifting the phase of the filtered carrier output to derive a phase-shifted carrier output, means for combining the received modulated wave with the phase-shifted carrier output and



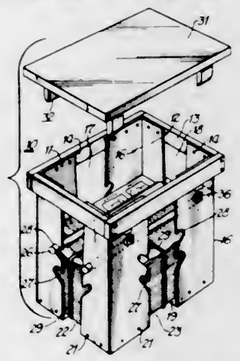
detecting the signal modulations to derive a second audio frequency output, other phase shifting means for shifting the relative phase of the two audio frequency outputs, means for inverting the phase of one of the audio frequency outputs, and means for combining the phase shifted audio frequency output with the phase-inverted audio frequency output to derive the output due to one sideband modulation and reject the output due to the other sideband modulation.

2,575,048

DEVICE FOR STORING AND BUNDLING NEWSPAPERS

Gustave D. Dankert, Cary, Ill.

Application March 14, 1951, Serial No. 215,407
4 Claims. (Cl. 100—19)



4. A device for stacking and bundling newspapers and the like comprising a guide frame including vertically disposed members arranged in pairs to form angular corner guides for the paper to be stacked and horizontally disposed members rigidly connecting the upper ends of said vertical members, said vertical members being formed with oppositely disposed aligned notches, a ledge member secured to the lower end of each said corner guide within the angle thereof to support a lower corner of the stack, compression rods to engage the top of the stack adapted to seat in said notches, and a frame stiffening cover member having spaced depending lugs removably engageable in the angles of said corner guides and adapted to rest on the horizontally disposed members.

2,575,049

FISHING POLE CONSTRUCTION

David M. Dean, Chicago, Ill., assignor of one-half to Albert Leibowitz, Chicago, Ill.

Application October 25, 1948, Serial No. 56,429
1 Claim. (Cl. 43—17)



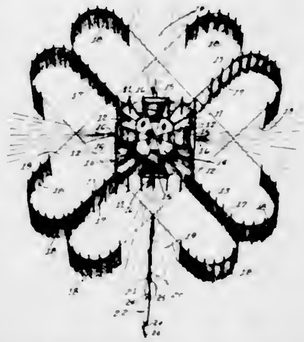
In a tubular fishing pole, a hollow tip, a plug positioned in said tip and extending axially thereof, a member rigidly secured in said plug, said member being aligned with said plug and having one end extending therebeyond, and a resilient element having a coil spring portion positioned within said tip with one end rigidly secured to said member, and a straight portion projecting through one end of said tip, said straight portion having a line attaching means at an end thereof.

2,575,050

POUND FISHING SYSTEM

Thomas P. Duncan, Jr., Newport News, Va.

Application October 7, 1947, Serial No. 778,388
3 Claims. (Cl. 43—101)



1. A pound fishing system comprising a hanging net enclosing a trap area, a frusto-conical entrance trap opening through the net between the top and bottom edges thereof, outwardly extending nets on said corner of said first mentioned net substantially radial to the center thereof, oppositely disposed segmental arcuate nets on the end of each of said radial nets, the space between certain of the adjacent arcuate nets being substantially radially aligned with said entrance cones, and a light carried by said first mentioned net above each of said entrance cones for attracting fish between said last referred to arcuate nets into the entrance cones.

2,575,051

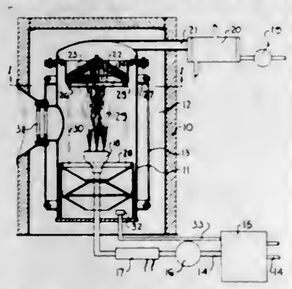
PROCESS FOR PURIFYING OIL BY DISTILLATION

Charles J. Egger and Robert H. Webster, Cleveland, Ohio, assignors to The Buckeye Laboratories Corporation, a corporation of Ohio

Application July 9, 1945, Serial No. 603,856
1 Claim. (Cl. 196—16)

Process for fractionally separating contaminating materials of unlike boiling points in oils, comprising the steps of preheating a conglomeration of oil having said materials to an elevated temperature, providing a chamber having side

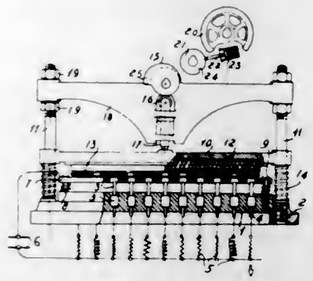
walls and top and bottom end walls sealed vacuum tight, and having a fluid surface exposing means near the top end wall of the chamber, evacuating said chamber to a sub-atmospheric pressure by withdrawing vapors from the area of the chamber between the said fluid surface exposing means and the top end wall, said elevated preheat temperature being sufficiently high to vaporize at said sub-atmospheric pressure the highest boiling point material to be removed, but said temperature being below the vaporization and decomposition temperature at said sub-atmospheric pressure of the oil to be retained as a liquid, spray atomizing said preheated conglomeration in said chamber from a position near the bottom end of the chamber in an upward direction toward said fluid surface exposing means and simultaneously supplying sensible heat through said side wall of said chamber, said sensible heat being sufficient in value to maintain the side wall of said chamber at a tempera-



ture at least as high as the boiling point within the chamber of the highest boiling point constituent to be removed to prevent condensation thereof, and being sufficient in value to supply the heat of vaporization absorbed by volatilization of the constituents to be removed, which sensible heat value together with the heat units in the heated oil itself provide full separation of the contaminants from the oil without overheating and destroying the oil, intercepting the remaining liquid oil portion of said conglomeration on said fluid surface exposing means, said intercepted liquid oil portion thereby being exposed to the action of said sub-atmospheric pressure and to said sensible heat for a period of time as a thin film upon the fluid surface exposing means, returning the intercepted liquid oil by gravity in a countercurrent direction to the original spray direction to the bottom end of the chamber, and withdrawing from the chamber the collected liquid oil in the bottom of the chamber.

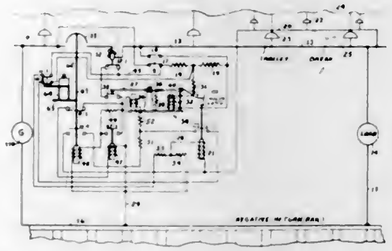
2,575,052
MULTIPLE SELECTIVE SWITCH
Henry R. Foltzer, Caracas, Venezuela
Application August 19, 1949, Serial No. 111,151
In Cuba July 5, 1949
2 Claims. (Cl. 200—46)

1. A multiple selective switch comprising an electrically non-conductive base plate, a plurality of contacts fixed in said plate, an apertured conductive plate mounted for movement parallelly towards and away from said base plate and having the apertures located so as to encircle elongated portions of said contacts without engaging same, a pressure plate mounted for movement parallelly to said apertured conductive plate and yieldably urged away from said conductive plate, a yieldable pad fitted to a face of the pressure plate and being adapted to press said apertured conductive plate towards the base plate so as to cause the elongated portions of said contacts to traverse the thickness of the conductive plate and to project slightly therethrough, a selectively apertured stencil made of a sheet of conductive material and adapted to be inserted between said conductive plate and said pad when the pressure plate is in retracted position, means for pressing said pressure plate and pad against said apertured conductive plate, means for conductively connecting individual



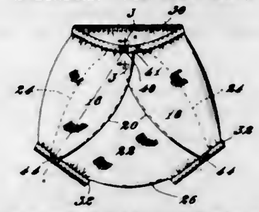
leads to each of said contacts and, through the devices to be energized, to one of the terminals of the source of current, means for connecting a single return lead to said apertured conductive plate and to the other terminal of the source of current, and spring means maintaining the conductive plate at a position wherein the surface of such conductive plate adjacent the yieldable pad is further removed from the base plate than are the ends of the elongated portions of the contact members.

2,575,053
POWER SYSTEM CONTROL
E. Harold Fredrickson, Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 27, 1946, Serial No. 679,624
4 Claims. (Cl. 175—294)



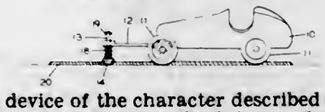
4. In a power protective system having a source of power, a load, a circuit from said source of power to said load and a circuit breaker for controlling the circuit from said source of power to said load, means responsive to predetermined circuit conditions for tripping said circuit breaker, means for reclosing said circuit breaker, a relay controlled by said load conditions for controlling said reclosing means, a pilot wire adjacent and connected to said circuit, at its terminus a second relay having an energizing circuit including said pilot wire, said energizing circuit opening when said pilot wire breaks and a lock mechanism controlled by de-energization of said second relay for locking said first relay against operation in the event said pilot wire breaks.

2,575,054
INFANT'S DIAPER COVER
William F. Gowdy, Milford, Mass., assignor to Archer Rubber Company, Milford, Mass., a corporation of Massachusetts
Application April 5, 1950, Serial No. 154,139
2 Claims. (Cl. 128—287)



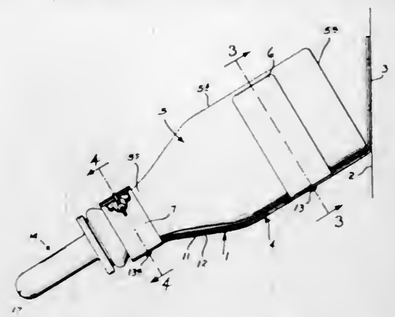
1. A baby garment having a body portion comprising a back and side and forepart portions, the body portion having convexly curved lateral edges and a substantially rectilinear upper edge, a front portion having a deeply convex lower edge, of approximately half-circular contour, and a crotch portion integrally joining the front and body portions, said crotch portion having lateral, deeply concave edges intersecting the respective lateral edges of the body portion at substantially right angles, and intersecting the opposite ends respectively of the convex edge of the front portion at substantially right angles, the garment being characterized in that, when in use, the forepart portions of the body portion overlie the front portion of the garment to form a two-ply area of lenticular shape and of a maximum width, midway between the waistband and leg opening which is the sum of the altitudes of the arcuate edges of the overlapped portions, and with the upper corners of the body portion meeting the mid-portion of the convex edge of the front portion of the garment substantially at the waist level thereby defining a waist opening and with the lower corners of the body portion meeting the front portion at the respective ends of its convex edge, the parts of the garment being held in the position of use by three fasteners, only, located respectively, one at the front of the waistband, and the others at the fronts of the leg openings, whereby the lateral edges of the body portion are free to move, relatively to the front portion from the waistband fastener to the respective leg opening fastener.

2,575,055
GUIDED TOY VEHICLE
Clemens O. Jaeger, Milwaukee, Wis.
Application April 15, 1949, Serial No. 87,792
5 Claims. (Cl. 104—245)



1. A device of the character described comprising in combination, a wheel toy and a pliable cable, said toy provided with a forwardly projecting member fixed to the pivoted front axle of said toy, a vertical stem slideably engaging the forward end of said projecting member, a contact shoe attached to the lower end of said vertical member, said shoe having an engaging surface for contact with said cable when said cable is disposed on a flat surface onto which the toy is actuated and a resilient means disposed between said outwardly extending member and said shoe for urging said shoe into contact with said cable.

2,575,056
BOTTLE HOLDER
Eynon Jones, Portland, Oreg., assignor of one-third to Elton A. Everhart, Molalla, Oreg.
Application December 27, 1947, Serial No. 794,166
1 Claim. (Cl. 248—103)

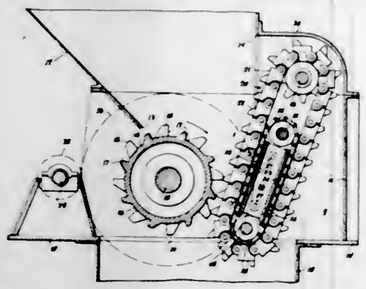


A bottle holder, comprising a pair of resilient, flat strips arranged flatwise directly adjacent one another and having first and second coinciding terminal ends, the first coinciding terminal ends of said strips being fixed together in face-to-face abutment and being disposed at an oblique angle to the remainder thereof to define a base portion, a resilient bottle neck encircling clamp having two semicircular arm portions terminating in bent portions and forming one-half of a two-piece latch means, means on one of said bent portions engageable with said other bent portion and constituting the other half of said latch means for interlocking the ends of said arms one with another to define a closed circle, the second coinciding terminal ends of said flat strips being fixed together in face-to-face abutment against the opposite sides of said neck clamp intermediate the clamp ends, and a resilient bottle base encircling clamp having a pair of flexible, semicircular straddling clips, the terminal ends of said straddling clips being spaced apart slightly to define less than a full encircling clamp thereby to accommodate the insertion of a bottle, the medial portions of said flat strips being fixed together in face-to-face abutment against the opposite side of said base clamp intermediate the ends thereof.

2,575,057
ENDLESS BREAKER PLATE STRUCTURE FOR CRUSHERS
Edwin H. Keiper, Philadelphia, Pa., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application March 14, 1949, Serial No. 81,361
2 Claims. (Cl. 241—223)

1. In a crusher the combination with a crushing rotor engaging the material during the crushing operation, of a breaker plate structure comprising breaker plates of predetermined length pivoted together to form an outer endless chain engaging said material and having a path of movement adjacent the periphery of said crushing rotor to receive the crushing thrust of said material against said rotor, a primary rotary member supporting and positively engaging and driving said endless chain at a predetermined rate, supporting means positioned within said endless chain and comprising a side plate and a secondary rotary member having a cylinder within the opposite end of said endless chain adjacent the periphery of said crushing rotor, an in-

termediate rotary member between said first named rotary members, and an inner endless link belt of roller members spaced apart less than the said length of said breaker plates and passing around said intermediate rotary member and intervening between said outer endless chain and said cylinder at their center portions and engaging the surface of said cylinder and the



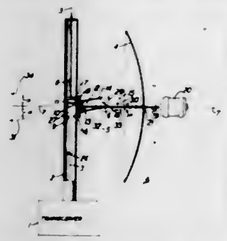
inner surface of said outer endless chain and supporting said chain from the surface of said rotary cylinder and moving at less than said predetermined rate to provide an anti-friction backing for the outer endless chain of breaker plates around said cylinder at the area of crushing action between said crushing rotor and said breaker plate structure.

2,575,058

MICROWAVE RADAR ANTENNA

Archie P. King, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 21, 1943, Serial No. 499,450
6 Claims. (Cl. 250—33.65)



1. In combination, a metallic wave guide connected to a transceiver and having an open end, and means for rotating said open end in its plane and about a point spaced from the midpoint of said open end.

3. In combination, a parabolic reflector, a wave guide antenna having a transverse antenna aperture positioned in the focal plane of said reflector, and means for eccentrically rotating at least the aperture end of said antenna about the reflector focus.

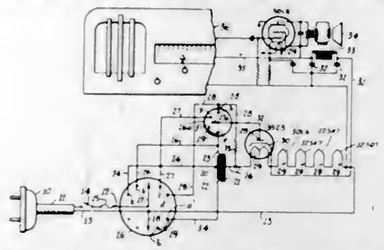
2,575,059

UNIVERSAL POWER INPUT RADIO RECEIVER

Joseph La Via, Ridgewood, N. Y.

Application October 3, 1946, Serial No. 700,978
10 Claims. (Cl. 250—27.3)

4. In a radio receiver operable on alternating current or direct current, the combination of a 110 volt-220 volt autotransformer, with a plurality of vacuum tubes the filaments of which are connected in series, manually selective unitary switching means and a plurality of circuits in association with a rectifier, said switching means adapted to selectively apply 110 volts alternating current to the filaments of the tubes and across a portion of said autotransformer or 220 volts alternating current across the whole thereof and 110 volts alternating current from a portion of said autotransformer to the filaments



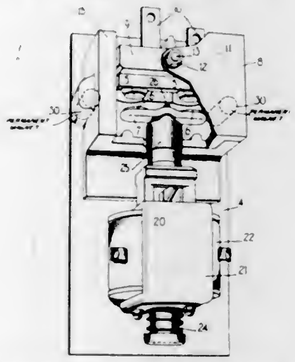
of the tubes and the current from the whole of the autotransformer to said rectifier, a filter system to smooth the output current from said rectifier, and means to connect said current to the network of the receiver, said unitary switching means further adapted to selectively by-pass the autotransformer and apply direct current to the filaments and rectifier for operation of the receiver on said direct current.

2,575,060

ARC INTERRUPTER FOR ELECTRIC SWITCHES

Lynn H. Matthias, Fox Point, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 7, 1947, Serial No. 766,990
3 Claims. (Cl. 200—147)



1. An electric switch comprising two terminals each having mounted at one end thereof a contact, a bridge bar having a contact on each end thereof and movable to connect said stationary contacts into circuit, said movable and stationary contacts with said terminals forming a U in circuit closed position, a box-like housing enclosing said bridge bar and stationary contacts, a ferromagnetic plate to support said box-like housing and two bar-like permanent magnets each of which is positioned one in each sidewall of said housing with one pole abutting said ferro-magnetic plate and with the other pole in proximity to a pair of stationary and movable contacts, and said defined structure to extinguish the arc at high currents by the inherent blowout effect of the current itself and to extinguish the arc at lower currents by the effect of the permanent magnets.

2,575,061

COMPOUNDING FINELY DIVIDED SOLIDS WITH BUTADIENE-STYRENE SYNTHETIC RUBBER LATICES UTILIZING ALKALINE LIGNIN SOLUTIONS AS DISPERSING AGENTS

William McMahon, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application September 11, 1945, Serial No. 615,688
10 Claims. (Cl. 260—17.5)

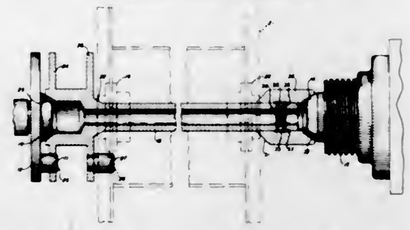
1. The method which comprises suspending a finely divided solid in an aqueous alkaline solution of lignin, mixing the dispersion with a latex of a butadiene-1,3-styrene copolymer synthetic rubber and coagulating the latex together with the suspended solid and dissolved lignin.

2,575,062

REEL SPINDLE

Harry H. Merwin, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 3, 1947, Serial No. 752,204
1 Claim. (Cl. 242—134)



A reel spindle comprising a shaft to extend through the hubs of a reel and having an enlarged end with a truncated cone recess therein to receive a truncated cone drive center of a supporting mechanism and an aperture spaced from the recess to receive a drive pin of the supporting mechanism which is fixed for rotation with the drive center, a pin carried by the enlarged end of the shaft to enter an aperture of the reel to form positive connection between the shaft and the reel, and an element removably mounted on the other end of the shaft, having a truncated cone shaped inner end to engage the adjacent hub of the reel and a truncated cone shaped recess in the outer end thereof to receive a movable truncated cone center of the supporting mechanism.

2,575,063

COLOSTOMY BAG

Norman H. Mette, Detroit, Mich.

Application April 26, 1950, Serial No. 158,300
2 Claims. (Cl. 128—283)

2. A device for the purpose described comprising a ring like member arcuate in longitudinal cross section and having a hollow body portion terminating in an annular outwardly flared rim, a flexible bag projected up through said body and having a beaded open end, with the latter stretched over and around said rim with said beaded end bearing upon the exterior of said ring like member, a belt, means for detachably securing the opposite ends of the belt together consisting of a substantially triangular sheet of material, the belt having its opposite ends connected with opposite sides of the base of said sheet, said sheet having a central circular opening to receive the body portion of said member, the base of



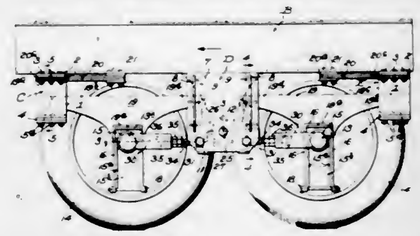
said sheet being split to its opening defining a pair of attachable upper ends, and means for removably attaching said free ends to thereby maintain the bag and ring like member in position upon the body of a person.

2,575,064

DIFFERENTIAL WHEEL UNIT FOR TRAILERS OR THE LIKE

Edward C. Merry, Greensboro, N. C., assignor of one-half to Guy M. Turner, Greensboro, N. C.

Application October 14, 1949, Serial No. 121,344
16 Claims. (Cl. 280—104.5)



1. In a trailer having a body; forward end, intermediate, and rear end spaced aligned open-ended bracket frames depending below the body; horizontal aligned members having their ends entered into and slidably contacting the walls of adjacent pairs of bracket frames for preventing transverse movement of the members therein while permitting vertical movement therein; relatively short axles carried by said members and mounted to pivot transversely thereof, the pivot points being intermediate the ends of and disposed below said axles; wheels journaled on the respective ends of said axles; means in the intermediate bracket frame connecting the adjacent ends of the said members whereby as the end of one member rises the end of the other member will correspondingly fall, and vice versa; rods mounted for yieldable longitudinal movement on the bracket frames and secured to the respective axles; and means yieldably urging the outer ends of the horizontal members downwardly in their respective brackets.

2,575,065

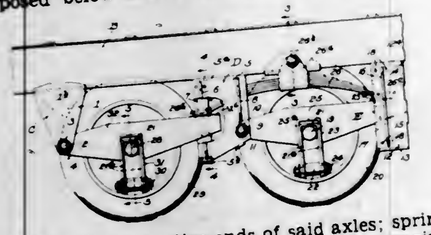
DIFFERENTIAL WHEEL UNIT

Edward C. Merry, Greensboro, N. C., assignor of one-half to Guy M. Turner, Greensboro, N. C.

Application November 10, 1949, Serial No. 126,637
4 Claims. (Cl. 280—104.5)

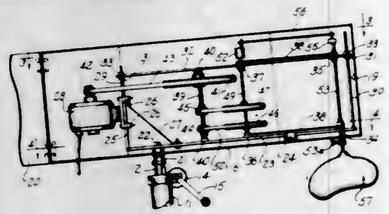
1. In a trailer having a body provided with side beams, spaced aligned open-ended bracket frames depending below the side beams; horizontal aligned members each having their leading ends entered into and pivotally connected with walls of the leading pairs of bracket frames, and

their trailing ends slidably contacting the walls of the trailing pairs of bracket frames for preventing lateral movement of the members therein while permitting vertical movement therein; relatively short axles carried by said members and mounted to pivot transversely thereof, the pivot points being intermediate the ends of and disposed below said axles; single wheels jour-



naled on the respective ends of said axles; spring means carried by the side beams and engaging the trailing ends of the members whereby as the end of one member rises the end of the other member will correspondingly fall a yielding amount, and vice versa; said spring means yieldably urging the trailing ends of the horizontal members downwardly in their respective brackets.

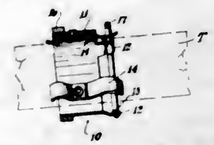
2,575,066
SCALP MASSAGING APPARATUS
Konstanty W. Mierzejewski and Peggy I. Mierzejewski, Pottstown, Pa.
Application September 21, 1949, Serial No. 116,916
4 Claims. (Cl. 128—48)



1. In a massage device for a human head comprising a vertically supported horizontally disposed housing having a pair of spaced oscillatable shafts, means within the housing for oscillating said shafts, said shafts projecting outwardly of the housing and each shaft having a hollow ovate massaging element secured thereto adapted to partly enclose the upper and lateral portions of a human head, said massaging elements being given a forward and backward movement under oscillation of the shafts, and each massaging element having a plurality of elongated flexible protuberances upon the hollow portion thereof.

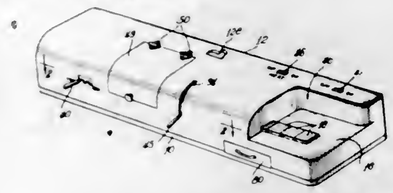
2,575,067
ION TRAP
George J. Mucher, Brooklyn, N. Y., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 13, 1948, Serial No. 26,765
10 Claims. (Cl. 313—75)

1. An ion trap comprising a sleeve of non-magnetic material having a plurality of inorganic, non-magnetic spring clip means for frictionally securing said sleeve upon a tubular support in parallelism with the axis thereof; a permanent magnet secured about said sleeve at one end thereof; a plurality of springable ears projecting from said sleeve at the opposite end thereof; and a second permanent magnet ro-



tatably carried by said ears and extending about said sleeve substantially in parallelism with said first-named magnet.

2,575,068
AUTOMATIC FOOD FORMING AND COOKING MACHINE
Frank S. Nanna, North Lake Village, Ill.
Application October 8, 1949, Serial No. 120,341
3 Claims. (Cl. 99—353)



1. In an automatic food forming and cooking machine, the combination comprising a tubular cooking housing having a predetermined sectional shape and open ends, an outer housing of substantially L-shaped lateral section and having angularly disposed legs, said cooking housing extending longitudinally through the mid-portion of one of the legs, a heating element mounted in the outer housing at the juncture of the legs, and a predetermined quantity of liquid in the outer housing, the volumes of said legs and the quantity of liquid in the outer housing being so proportioned that in one position of the outer housing the cooking housing and the heating element are both immersed in the liquid, while in another position of the outer housing only the heating element is immersed in the liquid.

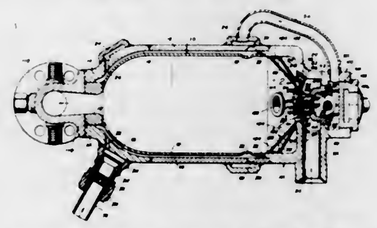
2,575,069
CASING FOR BOILERS
Felix Rankin and Herbert Dannemann, Brooklyn, N. Y.
Application June 2, 1948, Serial No. 30,722
5 Claims. (Cl. 220—4)



5. A casing for a boiler or the like, comprising an annular wall consisting of a plurality of vertically extending readily detachable panels formed of resilient sheet metal, said panels being initially

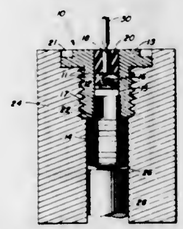
flat and being bowed transversely below their elastic limit to form transversely curved sections of a casing that is annular in cross-section, the bowed panels having a tendency to return to their completely flattened condition, abutting side edges of said panels being bent to form joint sections disposed in interfitting engagement with each other and detachably held together by frictional grip exerted by the tendency of the panels to return to the flattened condition, and a cover resting upon upper edges of the panels and having a depending marginal flange fitting closely about the annular wall and bracing the wall, a pair of said panels being formed with complementary cut-outs at a joint section to form an opening for receiving a member extending from said boiler.

2,575,070
JACKETED COMBUSTION POT WITH FUEL AND AIR NOZZLE HEAD
William A. Reed, Waban, and Ascher H. Shapiro, Arlington, Mass., assignors to the United States of America as represented by the Secretary of the Navy
Application April 6, 1948, Serial No. 19,398
7 Claims. (Cl. 60—39.65)



4. A combustion pot having a closing head with an opening therethrough into the pot, a partition in the opening with air and fuel chambers on opposite sides and means to supply air and fuel respectively thereto, a nozzle head insertable in the opening and engaging the partition to separate the chambers, and comprising a perforated extension fitting the inner end of the opening into the pot, and nozzles extending through the air chamber into the perforations of the extension.

2,575,071
EXPLOSIVE-OPERATED DEVICE
Gaynor O. Rockwell, Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy
Application February 27, 1948, Serial No. 11,476
1 Claim. (Cl. 102—1)



In an explosive operated latch mechanism having an opening, a cylinder communicating with said opening, a piston slidably positioned in said cylinder, the combination of a unitary explosive-containing device having a body portion mounted in said opening and having an axial bore therethrough communicating with said cylinder, a flange type cap portion formed integrally with said body portion positioned flush with the surface of said mechanism, a bellows mounted in said cylinder, having one end secured to the body portion in communication with said bore and the other end in contact with the piston, an explosive charge contained by said bore, an electrode in contact with the charge, insulator means surrounding said electrode and sealing the free end of said bore, and a filament embedded in and adapted to explode said charge, having one end secured to said electrode and the other end secured to said body portion.

2,575,072
RETAINER AND SPACER FOR ROLLER BEARINGS
Joseph J. Rozner, Chicago, Ill., assignor to Aetna Ball & Roller Bearing Co., Chicago, Ill., a corporation of Illinois
Application September 1, 1949, Serial No. 113,586
10 Claims. (Cl. 308—217)

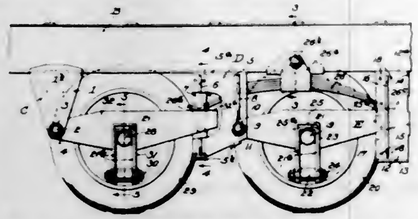


1. A retainer and spacer for roller bearings comprising, in combination, a pair of circular and generally cylindrical sheet metal shells having diameters such that one fits with relative snugness within the other, said shells having radially aligned roller receiving slots therein which are spaced uniformly and equally around the shells, the slots of at least one of the shells being open at the end of the shell, said shells including integral and axial rib portions between the slots, and said rib portions having roller retaining flanges integrally formed on the axial edges thereof and projecting therefrom in generally radial directions, said flanges on the shells of the pair projecting oppositely and said flanges on opposite sides of the slots being curved to retain rollers of a predetermined size therebetween when the shells are assembled together, each of said shells having a return bent peripheral flange at one end thereof formed and directed to present a peripheral channel opening axially of the shell and to overlie end marginal portions of the rib portions of the other shell when the shells of a pair are assembled together, and means including said peripheral flanges for securing the shells of a pair in assembled relationship.

2,575,073
AMPLIFYING VOLTMETER WITH A LOGARITHMIC SCALE
Jacques Selz and Alexandre de Leudeville, Paris, France
Application May 12, 1948, Serial No. 26,634
In France May 13, 1947
4 Claims. (Cl. 171—95)

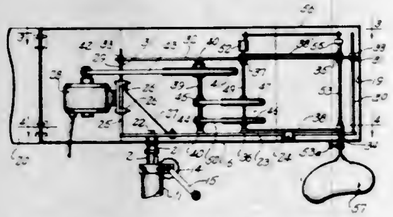
1. A voltmeter with logarithmic scale for the measurement of alternating voltages comprising

their trailing ends slidably contacting the walls of the trailing pairs of bracket frames for preventing lateral movement of the members therein while permitting vertical movement therein; relatively short axles carried by said members and mounted to pivot transversely thereof, the pivot points being intermediate the ends of and disposed below said axles; single wheels jour-



naled on the respective ends of said axles; spring means carried by the side beams and engaging the trailing ends of the members whereby as the end of one member rises the end of the other member will correspondingly fall a yielding amount, and vice versa; said spring means yieldably urging the trailing ends of the horizontal members downwardly in their respective brackets.

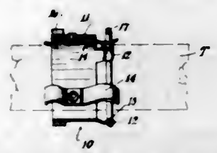
2,575,066
SCALP MASSAGING APPARATUS
Konstanty W. Mierzejewski and Peggy I. Mierzejewski, Pottstown, Pa.
Application September 21, 1949, Serial No. 116,916
4 Claims. (Cl. 128—48)



1. In a massage device for a human head comprising a vertically supported horizontally disposed housing having a pair of spaced oscillatable shafts, means within the housing for oscillating said shafts, said shafts projecting outwardly of the housing and each shaft having a hollow ovate massaging element secured thereto adapted to partly enclose the upper and lateral portions of a human head, said massaging elements being given a forward and backward movement under oscillation of the shafts, and each massaging element having a plurality of elongated flexible protuberances upon the hollow portion thereof.

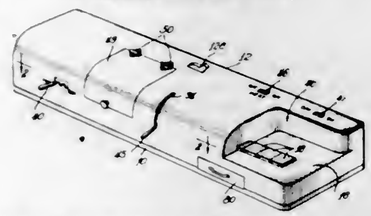
2,575,067
ION TRAP
George J. Mucher, Brooklyn, N. Y., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 13, 1948, Serial No. 26,765
10 Claims. (Cl. 313—75)

1. An ion trap comprising a sleeve of non-magnetic material having a plurality of inorganic, non-magnetic spring clip means for frictionally securing said sleeve upon a tubular support in parallelism with the axis thereof; a permanent magnet secured about said sleeve at one end thereof; a plurality of springable ears projecting from said sleeve at the opposite end thereof; and a second permanent magnet ro-



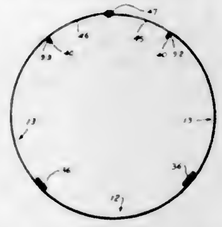
tatably carried by said ears and extending about said sleeve substantially in parallelism with said first-named magnet.

2,575,068
AUTOMATIC FOOD FORMING AND COOKING MACHINE
Frank S. Nanna, North Lake Village, Ill.
Application October 8, 1949, Serial No. 120,341
3 Claims. (Cl. 99—353)



1. In an automatic food forming and cooking machine, the combination comprising a tubular cooking housing having a predetermined sectional shape and open ends, an outer housing of substantially L-shaped lateral section and having angularly disposed legs, said cooking housing extending longitudinally through the mid-portion of one of the legs, a heating element mounted in the outer housing at the juncture of the legs, and a predetermined quantity of liquid in the outer housing, the volumes of said legs and the quantity of liquid in the outer housing being so proportioned that in one position of the outer housing the cooking housing and the heating element are both immersed in the liquid, while in another position of the outer housing only the heating element is immersed in the liquid.

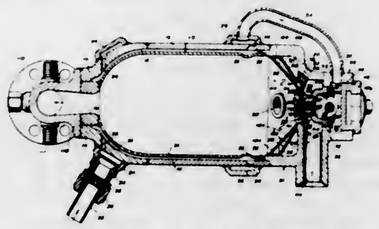
2,575,069
CASING FOR BOILERS
Felix Rankin and Herbert Dannemann, Brooklyn, N. Y.
Application June 2, 1948, Serial No. 30,722
5 Claims. (Cl. 220—4)



5. A casing for a boiler or the like, comprising an annular wall consisting of a plurality of vertically extending readily detachable panels formed of resilient sheet metal, said panels being initially

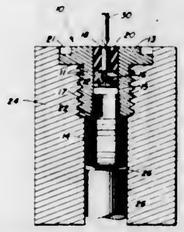
flat and being bowed transversely below their elastic limit to form transversely curved sections of a casing that is annular in cross-section, the bowed panels having a tendency to return to their completely flattened condition, abutting side edges of said panels being bent to form joint sections disposed in interfitting engagement with each other and detachably held together by frictional grip exerted by the tendency of the panels to return to the flattened condition, and a cover resting upon upper edges of the panels and having a depending marginal flange fitting closely about the annular wall and bracing the wall, a pair of said panels being formed with complementary cut-outs at a joint section to form an opening for receiving a member extending from said boiler.

2,575,070
JACKETED COMBUSTION POT WITH FUEL AND AIR NOZZLE HEAD
William A. Reed, Waban, and Ascher H. Shapiro, Arlington, Mass., assignors to the United States of America as represented by the Secretary of the Navy
Application April 6, 1948, Serial No. 19,398
7 Claims. (Cl. 60—39.65)



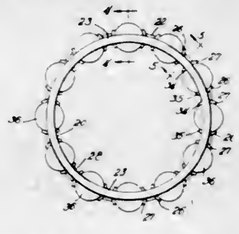
4. A combustion pot having a closing head with an opening therethrough into the pot, a partition in the opening with air and fuel chambers on opposite sides and means to supply air and fuel respectively thereto, a nozzle head insertable in the opening and engaging the partition to separate the chambers, and comprising a perforated extension fitting the inner end of the opening into the pot, and nozzles extending through the air chamber into the perforations of the extension.

2,575,071
EXPLOSIVE-OPERATED DEVICE
Gaynor O. Rockwell, Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy
Application February 27, 1948, Serial No. 11,476
1 Claim. (Cl. 102—1)



In an explosive operated latch mechanism having an opening, a cylinder communicating with said opening, a piston slidably positioned in said cylinder, the combination of a unitary explosive-containing device having a body portion mounted in said opening and having an axial bore therethrough communicating with said cylinder, a flange type cap portion formed integrally with said body portion positioned flush with the surface of said mechanism, a bellows mounted in said cylinder, having one end secured to the body portion in communication with said bore and the other end in contact with the piston, an explosive charge contained by said bore, an electrode in contact with the charge, insulator means surrounding said electrode and sealing the free end of said bore, and a filament embedded in and adapted to explode said charge, having one end secured to said electrode and the other end secured to said body portion.

2,575,072
RETAINER AND SPACER FOR ROLLER BEARINGS
Joseph J. Rozner, Chicago, Ill., assignor to Aetna Ball & Roller Bearing Co., Chicago, Ill., a corporation of Illinois
Application September 1, 1949, Serial No. 113,586
10 Claims. (Cl. 308—217)

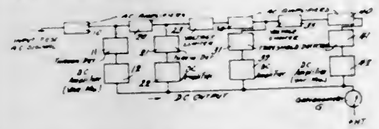


1. A retainer and spacer for roller bearings comprising, in combination, a pair of circular and generally cylindrical sheet metal shells having diameters such that one fits with relative snugness within the other, said shells having radially aligned roller receiving slots therein which are spaced uniformly and equally around the shells, the slots of at least one of the shells being open at the end of the shell, said shells including integral and axial rib portions between the slots, and said rib portions having roller retaining flanges integrally formed on the axial edges thereof and projecting therefrom in generally radial directions, said flanges on the shells of the pair projecting oppositely and said flanges on opposite sides of the slots being curved to retain rollers of a predetermined size therebetween when the shells are assembled together, each of said shells having a return bent peripheral flange at one end thereof formed and directed to present a peripheral channel opening axially of the shell and to overlie end marginal portions of the rib portions of the other shell when the shells of a pair are assembled together, and means including said peripheral flanges for securing the shells of a pair in assembled relationship.

2,575,073
AMPLIFYING VOLTMETER WITH A LOGARITHMIC SCALE
Jacques Selx and Alexandre de Leudeville, Paris, France
Application May 12, 1948, Serial No. 26,634
In France May 13, 1947
4 Claims. (Cl. 171—95)

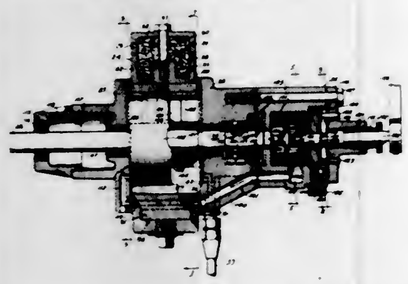
1. A voltmeter with logarithmic scale for the measurement of alternating voltages comprising

an input alternating current amplifier to which the voltage to be measured is imparted; further alternating current amplifiers having equal gains and arranged in series and in series with the first mentioned amplifier; identical units each of which comprises a threshold detector and a direct current amplifier, one of said units being arranged in shunt at the output of each of said alternating current amplifiers including the input amplifier; the output rectified voltage of each threshold detector constituting the negative



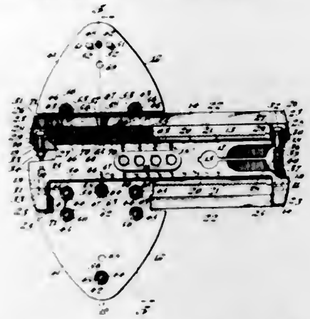
polarization voltage of the direct current amplifier associated with said detector; the direct current amplifiers having a characteristic curve "anode current-log. control grid voltage" comprising a sloping portion the larger part of which follows a rectilinear course, the sum of said anode currents varying itself in proportion to the logarithm of the voltage to be measured; a common circuit for feeding the anodes of the direct current amplifiers; and a galvanometer arranged in said circuit.

2,575,074
DUAL PUMP
Earl Joseph Senninger, Chicago, Ill., assignor to Sanmyer Corporation, a corporation of Illinois
Application March 27, 1946, Serial No. 657,359
4 Claims. (Cl. 103—6)



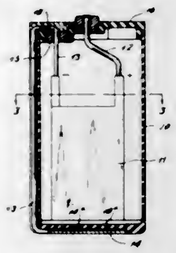
1. In a dual pump, a first pump having a casing provided with a pump chamber having inlet and outlet ports, a first shaft extending into said pump chamber and having a pumping element associated therewith, said shaft passing through a side wall of the casing, a second pump adapted to be mounted on said side wall of the first pump casing and having a casing provided with a pump chamber having inlet and outlet ports, a second shaft extending into said second pump chamber and having a pumping element associated therewith, said second shaft being in substantial alignment with said first shaft, a detachable coupling device between said two shafts whereby the two shafts are rotated in unison and may be readily disconnected, said first pump casing being provided with fluid inlet and outlet passageways which are adapted to be connected at one end by fluid connection means to a source of fluid for the second pump and a point of use for such fluid, respectively, and to communicate at their other ends with said inlet and outlet ports, respectively, of the second pump when the two pumps are mounted in juxtaposed relation, and readily detachable fastening means for securing the two pumps together, whereby the second pump may be removed intact from said first pump by merely removing said fastening means and without disturbing said fluid connection means.

2,575,075
ADJUSTABLE ROTARY COUNTERBALANCE CRANK
John Fitz Eaton, Tulsa, Okla., assignor to Bethlehem Supply Company, a corporation of Delaware
Application February 24, 1949, Serial No. 78,023
13 Claims. (Cl. 74—591)



1. In a counterbalancing device for power shafts, the combination of a radial arm adapted to be mounted on a shaft and provided with serrated edges along both sides thereof in the plane of revolution, rail bars spaced from parallel to and located in substantially vertical alignment with said serrated edges, counterweights supported on and adapted for slidable engagement with each of said rail bars in both an erect and a pendant relationship with respect to said radial arm, means for clamping said counterweights immovably with respect to said rail bars, and crank operable pinion means mounted in each of said counterweights in operable engagement with their respective adjacent serrated edge.

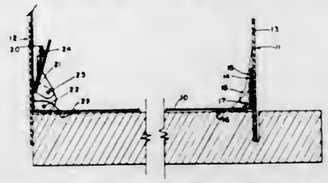
2,575,076
METHOD OF MANUFACTURING BATTERIES
John R. Smyth, East Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application June 11, 1947, Serial No. 753,996
1 Claim. (Cl. 154—129)



The method of uniting a lead terminal member to a polystyrene battery case which comprises coating a surface of the lead member with cement comprising a polyvinyl resin dissolved in a suitable solvent and including a phthalate plasticizer, heating the coated lead member to

a temperature and for a period until the solvent and at least part of the plasticizer has been driven off and the coating is hard and dry and loses its gloss, applying a subsequent coating over said dried coating, said subsequent coating comprising polyvinyl resin dissolved in a suitable solvent and including a phthalate plasticizer, air drying said subsequent coating, applying a solvent common to said polystyrene member and said coatings to a surface of said polystyrene member and the coated surface of said lead member and pressing said surfaces together while the last mentioned solvent is wet, and drying said last mentioned solvent.

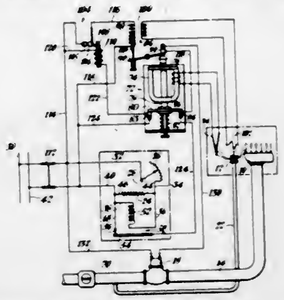
2,575,077
AUTOMATIC TAPE MEASURE
Vilas L. Snyder, Wichita, Kans.
Application May 28, 1946, Serial No. 672,814
2 Claims. (Cl. 33—137)



1. A measuring device of the character described comprising a tape, a pair of spaced elongated flat handle members, one of said members having the zero end of the tape secured to the inner side thereof intermediate its ends, each of said members having a relatively short length of strap connected to its inner side intermediate its ends and along the top of which the tape extends, and means carried by the other of the members for adjustably securing the free end portion of the tape to the inner side of the same above the connected end of the strap, the said members having the end portions thereof extending below the point of connection of the tape and said straps therewith to facilitate the positioning of the two members in a required spaced relation to hold the tape in adjusted stretched state in overlying relation with respect to said straps and the work.

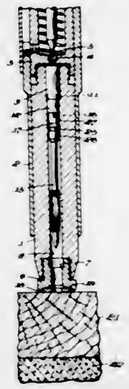
2,575,078
TEMPERATURE CONTROL SYSTEM FOR HEATING APPARATUS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa., a corporation of Delaware
Application November 5, 1947, Serial No. 784,161
3 Claims. (Cl. 236—1)

1. A control system for fuel burners having main and pilot burners, comprising in combination, electrically operable means movable between operative positions for controlling the supply of fuel to the main burner, thermomagnetic switch means responsive to a flame at the pilot burner and operable to a first position for causing operation of said electrically operable means to one of said positions, and to a second position for causing operation thereof to another said position, means for resetting said thermomagnetic switch means in said first position including second electrically operable means, means responsive to movement of said thermomagnetic switch means to said first position for causing deenergization of said second electrically operable means, thermal resistance means located to respond to a temperature condition to be controlled by varying in resistivity in accordance with variations in said condition and being electrically connected to said first electrically operable means, and resistance means electrically connected to said thermal resistance means and being adjustable over a range of resistivity set-



tings corresponding to selected values of said condition, the arrangement being such that at a predetermined resistivity of said thermal resistance means the energy value supplied to said electrically operable means is varied sufficiently for operation thereof between said positions.

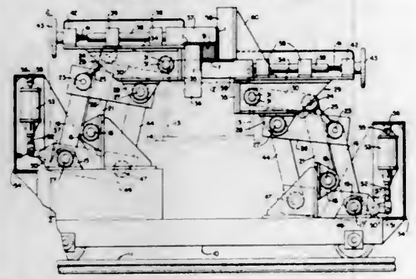
2,575,079
EXPLOSIVELY DRIVEN STUD WITH KNOCK-OFF HEAD PORTION
Robert Temple, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del., a corporation of Delaware
Application May 13, 1949, Serial No. 92,974
1 Claim. (Cl. 85—28)



The combination with a driving tool having a barrel containing an explosive-actuated piston near its inner end and a piston-stopping shoulder near its outer end, of a stud having an elongated cylindrical driving head formed for temporary connection to said piston and integral with one end of a shank that is provided with a pointed piercing end, the head having a greater diameter than the shank and being provided with a peripheral groove at a predetermined point to weaken it, and the diameters of the portions of the head on opposite sides of said groove being the same but the portion of the head between its free end and said weakened point serving only as a temporary head designed to be knocked off after only the shank of the stud has been driven into an object by said piston,

whereby the remaining portion of the head is the permanent head of the stud and whereby a plurality of studs with uniform diameter permanent heads having predetermined lengths differing from one another can be provided with cylindrical driving heads of uniform length that will all project substantially the same distance from the object into which such studs are driven.

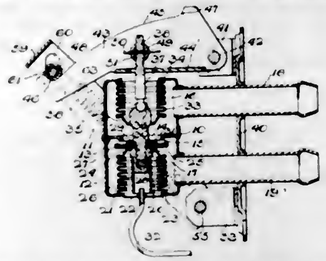
2,575,080
SCARFING MACHINE
Joseph M. Tyrner, Mendham Township, Morris County, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application August 3, 1949, Serial No. 108,336
2 Claims. (Cl. 266—23)



1. A scarfing machine for scarfing the surfaces of billets and similar metal bodies, comprising a main support, means for obtaining relative movement between a billet and said main support in a path extending in a direction lengthwise of the billet, two burner carriers having parts positioned at opposite sides of said path, a scarfing burner mounted on each of said parts of said carriers, each burner comprising a series of orifices extending in at least two directions to direct a scarfing flame onto at least two adjacent sides of a billet, means for maintaining said burners substantially in alignment in a direction transversely of said path and for moving said burners toward and from said path in a direction parallel to themselves, said means including two linkage structures each movably supporting one of said burner carriers on the main support, each of said linkage structures comprising swinging arms pivoted to the main support at one side of the billet, at least one link pivotally interconnecting said arms and forming with them and with the portion of the main support to which they are pivoted a folding parallelogram frame, and additional swinging arms pivotally connected to a portion of said folding parallelogram frame and to the corresponding burner carrier so as to form a second folding parallelogram frame which swings on the first one, all of the pivot axes of the folding parallelogram frames being parallel to the longitudinal axis of the billet.

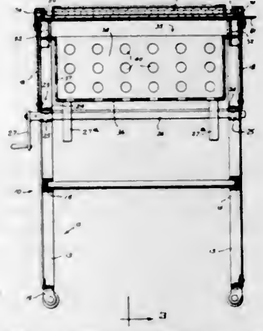
2,575,081
ADJUSTING MECHANISM FOR TEMPERATURE REGULATORS
William M. Watkins, Jr., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application April 7, 1950, Serial No. 154,695
In Canada July 20, 1949
10 Claims. (Cl. 236—99)

8. In a temperature regulator of the type characterized including a housing having inlet and outlet connections and means providing a valve port therein, a valve member associated with said port and a thermostat operatively connected to said valve member, means for varying the response of said thermostat to temperature changes including a pivotally mounted member providing a curved track, an internally threaded member rotably and pivotally mounted on said pivotally mounted member, a threaded valve stem for said valve adjustably mounted in said internally threaded member, an expansible and



collapsible wall sealing said valve stem and said housing, a tension applying member movable along said track and having a pivotal mounting separate from the pivot of said track member, said track being substantially concentric with the pivot of said tension applying member, resilient means cooperating with said tension applying member and acting therethrough to apply to said track member moments about the pivot thereof, and means for moving said tension applying member along said track.

2,575,082
OUTDOOR GRILL
Saul K. Wolff, Long Beach, N. Y.
Application August 21, 1946, Serial No. 692,008
5 Claims. (Cl. 126—25)



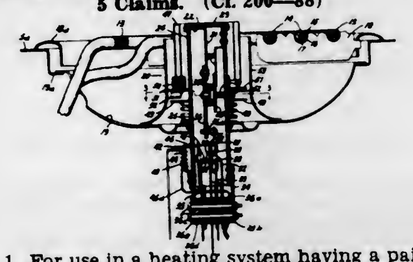
1. An outdoor grill comprising a stand, a fire box slidably mounted on said stand below its upper end, means on the stand to adjust the vertical height of the fire box, said stand being provided at its upper end with a pair of parallel horizontal side rails, a grid comprising a pair of interpivoted grid members slidably and pivotally connected to said rails, whereby said grid has sliding as well as pivotal movement relative to said rails, and means to support said grid with the pivot for the grid members at one end of the rails and with one grid member at the top, and to support said grid with said pivot at the other end of the rails and with the other grid member at the top.

2,575,083
DISPENSING CONTAINER WITH PUNCTURING MEANS FOR SEALED CANS
Earl A. Abraham, Detroit, Mich.
Application October 9, 1947, Serial No. 778,903
7 Claims. (Cl. 222—83.5)



1. A container including a substantially closed upper wall having a pair of spaced openings therein, slide valve means engaging the upper surface of said container wall for selectively opening and closing said wall openings, means detachably connected to said container wall for engaging said slide valve means and releasably retaining the latter in sliding and sealing engagement with the upper surface of said container wall, and a piercing element connected to said slide valve engaging.

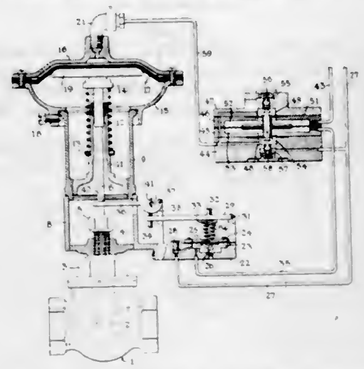
2,575,084
SWITCHING APPARATUS FOR ELECTRICAL APPARATUS
Lloyd T. Akeley, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Original application June 3, 1948, Serial No. 30,835. Divided and this application September 21, 1949, Serial No. 116,878
5 Claims. (Cl. 200—88)



1. For use in a heating system having a pair of heating circuits, that improvement in switch means for controlling the energization of said circuits comprising a pair of contacts spaced apart from each other, a movable contact element operable between said contacts to energize one and then the other sequentially to energize said circuits, and electro-responsive means operable responsively to the engagement of said movable contact with one of said contacts to energize its respective circuit for forcing the other of said contacts away from its normal position for engagement with said movable contact as long as said respective circuit is energized and to release it when that circuit is deenergized, and means for moving said other contact to its normal position when said respective circuit is deenergized.

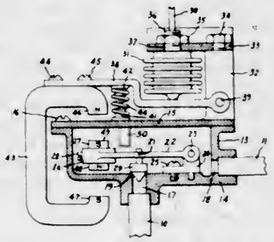
2,575,085
PRESSURE FLUID FOLLOW-UP MOTOR WITH PILOT PRESSURE CONTROL
Harold W. Alyea, Waukesha, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 18, 1945, Serial No. 605,738
2 Claims. (Cl. 121—41)

1. The combination of a source of elastic pressure fluid; a single-acting expansible chamber motor; spring means opposing the motion of said motor under pressure; a connection in which a variable pilot pressure is developed; means forming a secondary pressure chamber one wall of which is a flexible diaphragm, there being a restricted port and a leak port one of which controls venting of the chamber and the other of which controls supply of pressure fluid from said source to said chamber, the leak port being arranged to be variably throttled by displacement of the diaphragm; a loading spring reacting on



said diaphragm; means operated by motion of the expansible chamber motor for varying the loading of said spring as said motor moves; a relay motor urged in opposite directions by said pilot pressure and pressure in said secondary pressure chamber; and admission and exhaust valve means supplied with pressure fluid by said source connected with said single acting motor to control pressure in the latter, and arranged to be actuated by said relay motor.

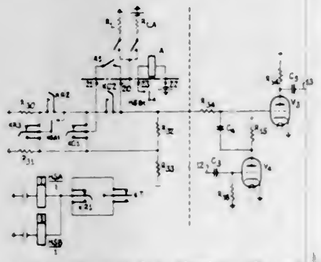
2,575,086
MAGNETIC VALVE
Leonard W. Atchison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application February 14, 1947, Serial No. 728,571
3 Claims. (Cl. 137—139)



1. A magnetic valve comprising a housing, an arm pivotally secured to the exterior of said housing, a C-shaped magnet mounted on said arm, means engaging said arm for changing the position of said C-shaped magnet, a valve operating arm movably mounted within said housing, said housing having a valve seat therein, a valve element mounted on said valve operating arm and adapted to cooperate with said valve seat, said valve operating arm having an elongated magnet mounted thereon, said elongated magnet being disposed between the poles of said C-shaped magnet with the axis of said elongated magnet in line with the poles of said C-shaped magnet,

said elongated magnet having each of its poles mounted adjacent and facing the pole of opposite polarity of said C-shaped magnet whereby as said C-shaped magnet is moved so that one pole thereof approaches the adjacent pole of said elongated magnet, the other pole of said C-shaped magnet moves away from the adjacent pole of said elongated magnet and said valve operating arm is moved with a snap action to open and close said valve.

2,575,087
ELECTRONIC COUNTING ARRANGEMENT
George Thomas Baker, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Application July 13, 1948, Serial No. 38,360
In Great Britain September 2, 1947
5 Claims. (Cl. 175—183)



1. An arrangement for timing the contacts of electromagnetic relays comprising in combination terminals to which are connected the winding and contacts of the relay to be timed, a gate circuit, input and output circuits for said gate circuit, a substantially constant frequency source of pulses connected to said input circuit, an electronic counter connected to said output circuit, a source of direct voltage, a variable potentiometer network connected across said source, a connection between a point on said potentiometer network and said input circuit, switching means for initially setting up said potentiometer network and for connecting said relay contact terminals to said potentiometer network in accordance with the particular timing operation to be effected and means for initiating a timing operation whereby the operation of said last-mentioned means provides a gate opening potential to said point for application to said input circuit to enable pulses from said source to pass to said counter while the operation of said relay contacts provides a gate-closing potential to said point for application to said input circuit to present further pulses passing to said counter.

2,575,088
ELECTRIC ACCUMULATORS
Montefiore Barak, Clifton Junction, near Manchester, England, assignor to The Chloride Electrical Storage Company Limited, Clifford Junction, near Manchester, England
No Drawing. Application March 20, 1950, Serial No. 150,817. In Great Britain July 23, 1948
1 Claim. (Cl. 136—26)

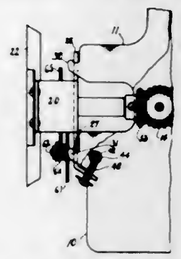
In the production of the active paste used in the plates of lead-acid type electric accumulators by reacting one or more of the oxides of lead or mixtures of lead oxide and finely comminuted lead with sulphuric acid and water in suitable proportions, limiting the temperature of the reaction mixture to a maximum of about 120° F. before the mixture is manipulated for transfer to the grids or plates and limiting the duration of mixing to a maximum of 20 minutes so that the completion of the reaction in the mixture is thereby delayed until the setting stage of the paste in the grids or plates.

2,575,089
PANTS GUARD AND ATTACHMENT FOR HANGERS
John E. Black, Decatur, Ala.
Application April 11, 1949, Serial No. 86,666
4 Claims. (Cl. 223—98)



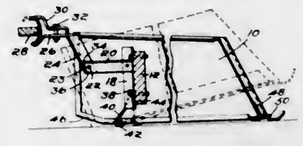
1. For use on a hanger which includes a lower rung and sides with a hook, a pants and skirt guard attachment comprising a wire frame having side pieces and end pieces each of said end pieces having a bight which forms a clamp, each clamp adapted to be removably disposed on said lower rung adjacent the junctions of the lower rung and the sides, a webbing having opposite longitudinal edges fixed with said side pieces, and said webbing adapted to be partially supported by the lower rung.

2,575,090
INTERCHANGEABLE CLOCK DIAL UNIT ASSEMBLY
Maurice A. Blouin, Gardner, Mass., assignor to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application August 21, 1948, Serial No. 45,457
2 Claims. (Cl. 58—125)



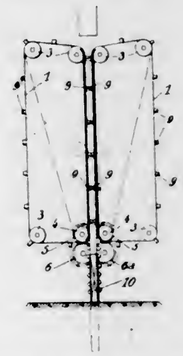
1. In a time clock, a clock movement, a dial unit assembly, means to detachably and interchangeably support and secure said dial assembly on said clock movement, said movement having side plates with forwardly projecting hooks, and said unit assembly having coacting portions engaged by said hooks, and positively-acting means to hold said hooks and coacting portions in assembled relation and comprising a cross pin extending loosely through holes in said side plates and having an annular groove near its center of length, and a screw in said assembly engaging said pin in said groove and underneath said pin.

2,575,091
SNOWPLOW
Olaf H. Borgeson, Hanson, Mass.
Application May 6, 1946, Serial No. 667,696
3 Claims. (Cl. 37—44)



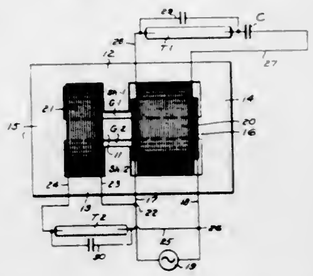
1. A snow plow comprising a pair of mold boards united into an apex at their forward ends and diverging rearwardly therefrom, means for holding the mold boards in said diverging relation, plow lifting means hinged to the plow for pivotal movement on a horizontal axis extending transversely of the plow, plow propelling means attached to the plow, the plow lifting means being of a length to extend downwardly beyond the bottom of the plow and being hinged to swing freely on said axis to the rear and drag on the ground when the plow is pushed forwardly by said propelling means and to assume an upright position and lift the plow from the ground when the plow is moved rearwardly by said propelling means, and stop means preventing pivotal movement of the plow lifting means forwardly beyond said upright position, the plow lifting means being hinged to the plow intermediately of its front and rear ends and said propelling means being attached to the plow at an elevation above the pivot axis of the lifting means, the rear bottom corners of the mold boards being cut away and rearward movement of the plow by said propelling means being adapted to lift the plow on the lifting means and tip its forward end upwardly about the lifting means and bring said cut away corner portions into contact with the ground.

2,575,092
MACHINE FOR CONTINUOUS MOLDING
Gabriel Stanislas Bouvier, Gentilly, and Roger Pierre Clair, Paris, France
Application February 17, 1948, Serial No. 9,295
In France February 22, 1947
3 Claims. (Cl. 25—99)



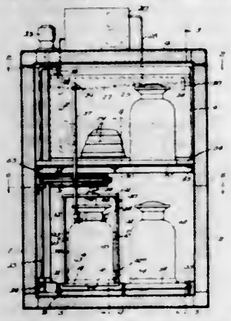
1. A machine for the continuous molding of parallelopipedic and the like structural elements comprising two endless wall-forming surfaces adapted to move along paths including vertical portions, said vertical portions of the two surfaces lying in front of one another at a predetermined distance corresponding to the width of the structural elements to be obtained, means for driving in unison the two surfaces so that they execute simultaneous equal downward movements through the vertical portions of their paths, transversal bars projecting to the outside of each surface at predetermined equal intervals through a distance such that each pair of cooperating bars when engaging simultaneously the channel defined between the two vertical portions of said paths may register accurately and form the bottom of an elementary mold, lateral walls closing the channel formed between the two surfaces in the vertical portion of their paths, means for dropping material adapted to set into the upper end of said channel between the two vertical portions of the paths and means for removing the finished elements from the lower part of the said passage, means for inserting cores at regular intervals into the uppermost mold compartments defined by the moving walls and the last bars that have entered the channel between same for forming the bottom of said mold compartment, last mentioned means including slopes arranged to either side of the vertical portions of the paths of the wall surfaces symmetrically thereof, wheels arranged symmetrically to either side of the vertical wall surfaces and adapted to rotate round horizontal axes parallel to said surfaces and radial jaws fitted yieldingly in said wheels and adapted to guide the cores passing over the slopes into the uppermost mould.

2,575,093
TRANSFORMER
John Herold Bridges, Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation, a corporation of New Jersey
Original application June 25, 1942, Serial No. 448,471. Divided and this application August 12, 1943, Serial No. 498,345
4 Claims. (Cl. 171—119)



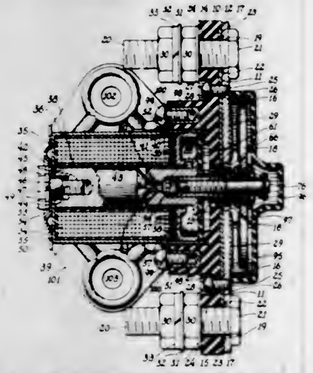
1. A transformer, comprising in combination, a primary winding and two secondary winding coil sections only, with one secondary coil section tightly coupled with said primary and the other secondary coil section loosely coupled therewith; a main magnetic core linking said primary winding and two secondary winding coil sections; magnetic shunt core means positioned between the primary winding and said loosely coupled secondary coil section; electrical connections between said primary winding and at least one of said secondary winding coil sections providing an autotransformer connection; and terminal connections for two loads, one including one secondary winding coil section and the other including the other secondary coil section, at least one of said terminal connections also including said autoconnected primary winding.

2,575,094
REFRIGERATOR
Joseph W. Chamberlain, Holland, Mich.
Application September 5, 1946, Serial No. 694,875
10 Claims. (Cl. 62—141)



1. In a refrigerator of the class described, adapted to hold a container having a substance therein to be cooled, spray means substantially surrounding said container and spaced therefrom for passing a coolant in heat-exchange relation with said container, and means for imparting a rocking motion to said container within said spray means in a plurality of different planes to agitate the substance therein, thereby reducing the cooling time therefor.

2,575,095
ELECTROMAGNETIC CONTACTOR WITH PLUNGER ARMATURE
Allan P. Charbonneau and Frank J. Russell, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 15, 1944, Serial No. 568,316
2 Claims. (Cl. 175—341)



1. In an electromagnetic contactor, in combination, a cup-shaped shell of magnetic metal, an operating coil positioned within said shell, a core member of magnetic metal positioned within said coil, a cup-shaped metal member positioned within the open end of said shell and rigidly secured to the latter to retain said coil in assembled position, said shell having an external annular shoulder formed thereon adjacent said open end thereof, a bracket of magnetic metal having a pair of substantially parallel arms and a connecting portion, one of said arms having a relatively large opening formed therein to slide onto said shell and seat against said shoulder, said arm having perforated integral lateral projections, a molded insulating base formed to accommodate the open end portion of said shell and against which said arm is adapted to seat, screws penetrating said perforations and having threaded engagement with said base to clamp said parts in assembled relation, the other arm of said bracket overlying the other end of said shell to provide an increased thickness of magnetic material where the flux concentration is high, said last mentioned arm and said shell having alined openings formed therein, a securing screw penetrating said openings and having threaded engagement with said core to rigidly secure the latter and said last mentioned arm to said shell, and said bracket having means associated therewith to provide for attachment thereof to a suitable support.

2,575,096
MULTICOLOR REFILLABLE PENCIL
Willy Chatelain, Lancaster, Pa.
Application May 19, 1949, Serial No. 94,110
7 Claims. (Cl. 120—14.3)



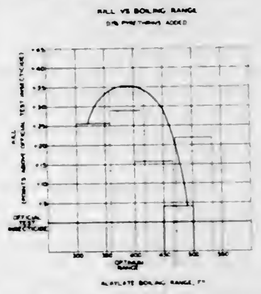
1. A multicolor refillable pencil comprising in combination a tubular shell within which is concentrically mounted an assembly consisting of a member provided with longitudinal grooves on its periphery, a distributor having a channel and a chuck having a passage in communication with said channel, a spring tending to urge said assembly towards the back of said shell, said shell having at its front part a conical bore and the jaws of the chuck cooperating with the wall of said conical bore to retain said assembly, the longitudinal grooves on said member being intended to receive leads of different colors, said chuck being screwed to the front end of said distributor and the latter being displaceable axially but not angularly within said shell together with the remainder of said assembly, said grooved member being capable of angular displacements with respect to said distributor so as to enable each of its grooves to be brought into alignment with said channel provided in the distributor, means stopping said grooved member when any of the grooves is in alignment with said channel of the distributor, said grooved member being resiliently connected to the distributor whereby when said grooved member is turned to bring another groove in alignment with said channel of the distributor it may be axially displaced from said distributor, to clear said means stopping said grooved member, and a control knob projecting from the back of said shell manipulable for the rotation of said grooved member as well as the axial displacement of said assembly against the action of the spring which tends to urge said assembly towards the back of the shell.

2,575,097
DRILL SUPPORT
William H. Cole, Gauley Bridge, W. Va.
Application December 7, 1949, Serial No. 131,639
1 Claim. (Cl. 255—53)



A drill support comprising an elongated tubular casing; means at opposite ends thereof adapted to grip spaced apart wall surfaces, said casing being of rectangular cross sectional configuration and having bearing openings formed in opposite side walls thereof intermediate opposite ends of the casing; a gear rotatably mounted in the bearing openings and disposed interiorly of the casing, the casing having an opening through which a portion of said gear is extended; elongated flat plates fixedly secured to said opposite side walls, said plates projecting laterally from the casing, the projecting portions of the plates being formed with longitudinal outturned flanges providing parallel tracks extended longitudinally of the casing; an elongated plate having inturned longitudinal flanges straddling the first-named flanges, for slidable mounting of the last-named plate upon said tracks; a drill cradle rigid with and extended outwardly from the last-named plate; and an elongated rack extended longitudinally of and rigidly secured to the inner surface of the last-named plate between said tracks, said rack being in mesh with said projecting portion of the gear.

2,575,098
INSECTICIDE FORMULATION
Chester C. Crawford and Lloyd L. Jaquier, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 4, 1946, Serial No. 713,902
12 Claims. (Cl. 167—22)

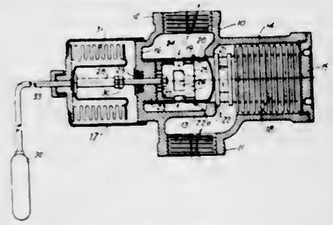


12. An improved insecticide consisting essentially of a mixture of branched chain paraffin hydrocarbons boiling in the range from 360° F. to 410° F., said mixture having the property of increasing the insecticidal power of an insect poison dissolved therein as contrasted with the lack of such a property in a kerosene insecticide solvent; and at least one insect poison soluble in said mixture of branched chain paraffin hydrocarbons.

2,575,099
MAGNETIC COMPOSITIONS
Henry L. Crowley, South Orange, N. J., assignor to Henry L. Crowley & Company, Inc., a corporation of New Jersey
No Drawing. Application February 18, 1950, Serial No. 145,085
24 Claims. (Cl. 252—62.5)

1. As a new article of commerce, a magnetic composition possessing useful magnetic and electrical properties and composed principally of ferro-magnetic material containing a mixed ferrite and metallic iron in crypto-crystalline form while substantially free of large discrete particles of metallic iron.

2,575,100
DUPLEX THERMOSTATIC VALVE
Harold S. Duey, Fairfax, Calif.
Application May 11, 1948, Serial No. 26,365
2 Claims. (Cl. 236—1)



1. A valve of the type described comprising a body having an aligned inlet and an outlet opening having a common axis, a wall portion extending parallel to said axis with a first side thereof in communication with said inlet opening and including an opening therein, a tubular valve snugly slidable through said opening and along an axis perpendicular to said common axis and supported by said opening, said tubular valve having an inlet port opening on one side of said opening and an outlet port opening on the other side of said opening to provide communication from said inlet to said outlet opening, a tubular valve closure element slidably mounted in said tubular valve and having an opening at one end thereof in communication with said tubular valve inlet port and opening on the side thereof for alignment with said tubular valve outlet port, a rod slidably passing through a portion of said body for supporting one end of said tubular closure element, said tubular valve and said tubular closure element providing mutual support against pressure exerted perpendicular to said common axis, a first temperature responsive motor means within said body in the path of fluid flow from said inlet to said tubular valve for moving said cylinder axially from one limit position to another in accordance with the temperature in said body, and a second temperature responsive motor means responding to the temperature of a space external to the valve operating said closure whereby flow of fluid through said valve is controlled by the joint action of said first and second motor means.

2,575,101

DUAL BAND GAS BURNER WITH CROSS-OVER BURNER GRID

William B. Ensign, New Rochelle, N. Y., and Otto Wildermann, River Edge, N. J., assignors to Ensign Ribbon Burners, Inc., Mount Vernon, N. Y.

Application February 19, 1948, Serial No. 9,524
4 Claims. (Cl. 158—116)



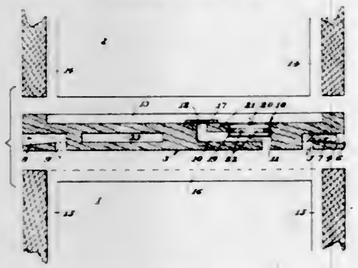
1. A gas burner comprising a hollow casting for connection to a source of combustible gas and formed along diametrically opposite sides with parallel ribs having elongated slots, burner assemblies in said slots for discharging the combustible gas from the casting in a burnable spray, a burner assembly for igniting the gas discharging from one side when the gas discharging from the other side has been ignited said burner assembly comprising an arcuate rib formed across the top of the casting and extended between the tops of the parallel ribs, said arcuate rib being divided into a pair of adjacent rib portions by an intermediate slot, said slot communicating with the interior of the casting and with the slots of the parallel ribs, and an arcuate burner assembly mounted in position between the adjacent faces of said adjacent rib portions to have the combustible gas discharge therefrom in a burnable spray to be ignited by the burning gas along the said other side of the casting to carry the flame to the said one side thereof and ignite the combustible gas discharging from that said one side, said arcuate burner assembly comprising a pair of adjacent inner corrugated arcuate ribbon elements, a flat outer arcuate ribbon element located on either side of said inner ribbon elements and concentric therewith, means securing said ribbon elements together as a unit to be slipped into position in the slot between said arcuate rib portions, and tabs integrally formed on the outer peripheries of said outer arcuate ribbon elements adjacent their ends, said tabs being bent to extend outward at right angles to said outer arcuate ribbon elements to engage the outer peripheries of said arcuate rib portions securing said arcuate burner assembly against lateral shifting relative to said arcuate rib.

2,575,102

COMBINATION BOARD FOR BEEHIVES

Clarence W. Evans, Portville, N. Y.

Application July 23, 1946, Serial No. 685,721
4 Claims. (Cl. 6—4)



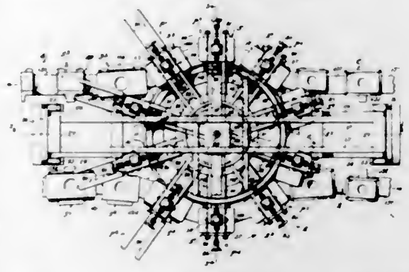
1. A combination board adapted to be positioned horizontally between the brood chamber and the honey chamber of a bee hive comprising a flat board having a horizontally extending passage formed between the upper and lower faces thereof, said passage communicating with said brood chamber through an opening formed in the lower face of said board near the outer edge thereof, and communicating with the honey chamber through an opening formed in the upper face of said board near the center of said board, whereby the central portion of the lower face of said board is unbroken and forms a cluster area, a one-way bee escape carried by said board and having an inlet port opening into said honey chamber and an outlet port connected with the horizontal portion of said bee passage, and manually operable means for closing the opening of said passage in the upper face of said board, whereby the bees passing through said bee escape may enter the brood chamber through said opening in the lower face of said board.

2,575,103

SNAP FLASK MOLD CONVEYER WITH AUTOMATIC JACKET AND WEIGHT SHIFTER

Beauford E. Gavin, Sr., Indianapolis, Ind., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application May 4, 1948, Serial No. 24,978
14 Claims. (Cl. 22—20)



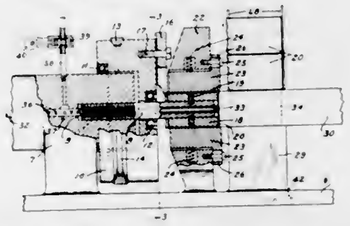
1. Foundry equipment of the type described, comprising a single conveyor formed of an endless series of wheeled cars adapted to travel a closed path and to carry only unpoured sand molds mounted on bottom boards through one portion of said path, only unpoured sand molds on bottom boards with jackets and weights applied to the molds through a second portion of said path, only poured sand molds on bottom boards with jackets and weights applied to the molds through a third portion of said path, and only poured sand molds on bottom boards through a fourth portion of said path, means carried by each car for engaging mold bottom boards of different lengths and widths to center all of the boards on the cars and to uniformly position one of the side edges of each one of the bottom boards relative to the same side of their respective cars, and a drive chain for interconnecting the series of cars; a turnable frame mounted in the area defined by the first two and last two mentioned portions of the conveyor path and supported for rotation about a vertical axis, drive means encircling the turntable frame and engageable with the conveyor chain for rotating said frame in synchronism with the travel of the wheeled cars of the conveyor, a plurality of grapple units carried by the turntable frame in circumferentially spaced relation, and means for actuating the grapple units in proper timed relation to the rotation of the turntable frame and the travel of the conveyor cars to cause the grapple units to seize and lift the jacket and weight in superimposed relation off of each poured sand mold as the latter reaches the end of the third portion of said path, to transport the successively lifted superimposed jackets and weights across the said conveyor defined area, and to lower and release a transported superimposed jacket and weight onto each unpoured sand mold as the latter reaches the end of the first portion of said path.

2,575,104

ART OF TRIMMING CANS OR THE LIKE

Michael Halowich, Wausau, Wis., assignor to Gerhard-Halowich Corporation, Wausau, Wis., a corporation of Wisconsin

Application November 4, 1946, Serial No. 707,705
16 Claims. (Cl. 82—2.5)



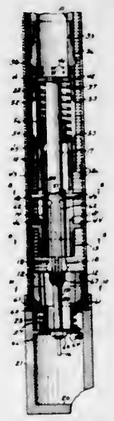
1. In a can brim trimmer, a fixed core formed to snugly engage the interior of a can, means for sliding the can axially along said core in one direction, a cutter revolvable about the can axis and cooperating with said core to shear excess stock from the brim edge of the can, and means for positively moving the trimmed can in the opposite direction to remove it from said core.

2,575,105

TELESCOPING TAIL PIPE

Jean H. Hart and Ray H. Hart, El Reno, Okla.

Application September 1, 1950, Serial No. 182,662
9 Claims. (Cl. 166—4)



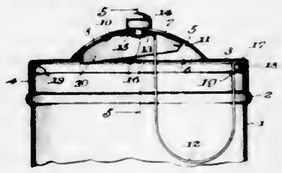
1. In a telescoping anchor pipe, an outer tubular casing, an inner tubular string telescoping in the outer casing, slips positioned between the string and outer casing providing gripping means between the string and casing, and means resetting the slips by engagement of means on the end of the string with the lower end of the outer casing.

2,575,106

DISPENSING CONTAINER HAVING A SPRING-BIASED CURVED SLIDING CLOSURE

Louis Hermani, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application October 8, 1947, Serial No. 778,629
1 Claim. (Cl. 222—517)



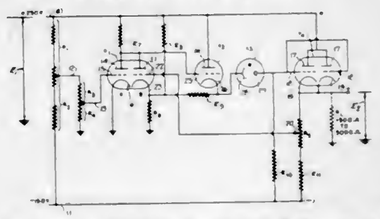
A dispensing container for powdered materials comprising a body portion, a closure therefor having a raised breast shaped to conform to a segment of a cylinder with the sides thereof closed and parallel, said breast having a slot extending lengthwise thereof at one side of the longitudinal center and a dispensing opening at the other side thereof, a control slide disposed within the breast including a control member curved on its outer face on the same radius as the radius of the inner face of the breast, side members extending from one end of the control slide to the other and formed integral therewith so as to provide a rigid control unit, said side members of the control slide being disposed close to the side members of the breast so as to prevent the powder being dispensed from working in between the control slide and the breast, an operating finger member having a head disposed on the outer side of the breast and overlapping the edges of the slot in the breast and a shank extending through the slot and connected to the slide for holding the slide in intimate sliding engagement with the inner surface of the breast, and a bowed leaf spring disposed within the container and having its inner end secured to the shank of the operating finger member, the skirt of the closure member having an inwardly projecting lug at its upper end and the outer end of said bowed leaf spring being adapted to snap between the top of the closure and the lug on the depending skirt whereby said bowed leaf spring is supported as a unit with the closure.

2,575,107

CONSTANT VOLTAGE POSITIVE BIAS SUPPLY

Charles F. Hobbs, Watertown, and Norman B. Saunders, Cambridge, Mass., assignors to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development

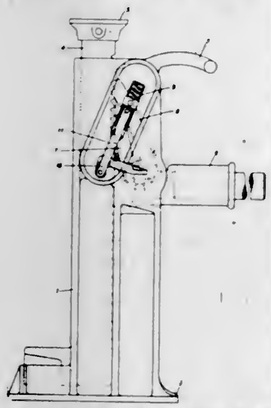
Application April 30, 1946, Serial No. 666,027
5 Claims. (Cl. 323—22)



1. A system for regulating voltage comprising, a source of direct current potential supply hav-

ing an intermediate point grounded, a first tube, a second tube and an output tube each having at least an anode, cathode and control grid, an output circuit connected from the output tube cathode to said ground, a voltage divider connected from the cathode of said output tube to the negative source of supply, a connection from the voltage divider to the first grid, a connection from the first tube anode to the second tube grid, negative bias means for the output tube including a gas discharge tube connecting the cathode of the second tube to the grid of the output tube and a resistor connecting said output grid to the negative source of supply, an anode resistor for the first tube, and a regenerative feed back connection including a cathode resistor for the first tube connected to said ground and a cathode resistor for the second tube connected to the first cathode.

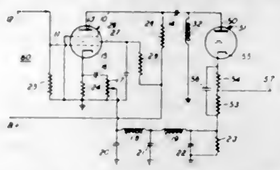
2,575,108
LIFTING JACK
Arthur Clifford Howard, Upminster, England
Application February 20, 1948, Serial No. 9,726
In Great Britain March 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 14, 1964
2 Claims. (Cl. 74—169)



1. For use with a jack having a pedestal and a rack bar slidable in the pedestal, an improved operating handle and pawl construction comprising a handle member having spaced walls at an end portion thereof with the space between the walls opening upwardly and outwardly, trunnions integral with said walls projecting laterally therefrom and adapted to be journaled in the pedestal, a bearing barrel integral with said side walls and disposed therebetween in radially-overlapping but axially-offset relation to said trunnions, a pawl adapted to engage the rack bar and having a part-cylindrical concavity rotatably received over said bearing barrel, and securing means for retaining the pawl against detachment from said bearing barrel.

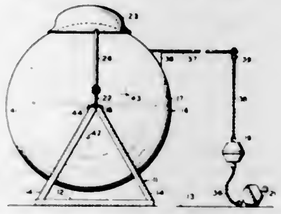
2,575,109
SELECTIVE AMPLIFIER
Douglas E. Howes, Northfield, Vt., assignor to the United States of America as represented by the Secretary of War
Application October 26, 1945, Serial No. 624,912
2 Claims. (Cl. 250—27)

1. A selective amplifier circuit comprising a vacuum tube having a grid input circuit, an anode output circuit, and a cathode output circuit, said input circuit responsive to a plurality of frequencies, frequency sensitive means associated with said anode output circuit responsive to an upper band of said plurality of frequencies, frequency sensitive means associated with said cathode output circuit responsive to a lower band of



said plurality of frequencies, a diode connected to said anode output circuit, output load means for combining said diode and cathode outputs so that any cathode output signals of one polarity in said upper band of frequencies are cancelled by the diode signals, providing a sharp cutoff of signals of said one polarity.

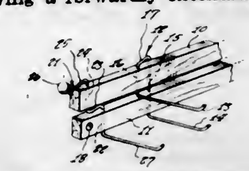
2,575,110
BALANCING TANK WITH CONTENT INDICATOR
Arthur Neal Kerr, Los Angeles, Calif., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 12, 1948, Serial No. 43,831
6 Claims. (Cl. 73—290)



6. Apparatus for storing liquids and indicating the approximate amount of liquid stored therein comprising a base member, a tank pivoted on said base member, a lever arm rigidly secured to said tank and extending out from the same, and a line secured to said lever arm, a portion of said line being adapted to rest on a supporting surface stationary relative to said base member, said tank, tank pivot, and lever arm being so proportioned and disposed that during normal pivoting of said tank the center of mass of the liquid in said tank and the center of the combined mass of the lever arm, plus such portion of the line supported by said lever arm, and plus said tank independent of any liquid contained therein, are on opposite sides of said pivot, whereby the mass of the liquid in said tank positions and balances said tank, lever arm, and such portion of said line as is supported by said lever arm to indicate the approximate amount of liquid in said tank.

2,575,111
NECKTIE RACK
Cyril Kruger, New York, N. Y.
Application June 10, 1950, Serial No. 167,327
2 Claims. (Cl. 211—87)

1. A double row hook necktie rack comprising two transverse bars extending parallel to each other and with one lying above the other, a plurality of wire pivot hooks pivotally connected to the bars, each of said hooks having two vertically extending portions and a horizontal portion connecting said vertical portions together at their upper ends, each of the vertically extending portions having a forwardly extending tie support-



ing projection, said vertically extending portions being respectively pivotally connected to the transverse bars, one of the vertically extending portions being longer than the other and pivoted in the lower bar and extending upwardly along the rear face of the upper bar and serving as a stop for the upper bar.

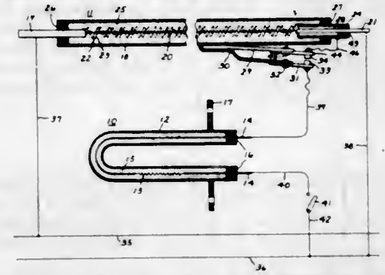
2,575,112
NECKTIE RACK
Cyril Kruger, New York, N. Y.
Application August 2, 1950, Serial No. 177,193
5 Claims. (Cl. 211—96)



1. A tie rack which comprises a bracket securable on a wall or the like and having a pair of horizontal flanges, a long bar having one end pivoted on said flanges, a pair of shorter bars arranged on either side of the first said bar and above the latter, all of said bars being parallel with one another, a knob at the outer end of each bar to facilitate manipulation thereof, and a plurality of double tie hangers pivotally connecting the first said bar with each of the second said bars, each said hanger comprising a stiff wire having a lower horizontal portion, an upper horizontal portion offset therefrom, a vertical portion extending upward through a hole in a second said bar from said upper horizontal portion, a vertical portion extending upward through a hole in the first said bar from said lower horizontal portion, and an arcuate portion connecting said vertical portions above the second said bar.

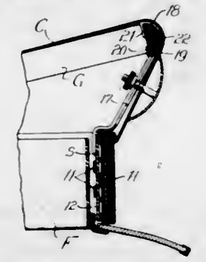
2,575,113
IGNITER
Thomas H. Lennox, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 7, 1949, Serial No. 92,021
8 Claims. (Cl. 175—115)

1. An igniter having a ballast section comprising two resistance conductors in parallel, one resistance conductor being of a material having a relatively high specific resistance and a relatively low coefficient of resistance, the other resistance conductor being of a material having a relatively low specific resistance and a relatively high coefficient of resistance, a preheater for said ballast section and a thermostat responsive to the temperature of said ballast section, an igniter section comprising an enclosed resistance conductor of a material having a relatively high specific resistance and a relatively low coefficient of



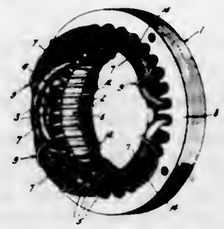
resistance, and means for connecting the resistance conductors of said ballast section in series electrically with said thermostat and the resistance conductor of said igniter section.

2,575,114
UNIFORM CAP
Harry Lev, Chicago, Ill.
Application January 19, 1949, Serial No. 71,750
9 Claims. (Cl. 2—195)



7. For use with a uniform cap having a frame whereon may be fitted a flexible cover, an assembly comprising a resilient grommet adapted for reception within the tip portion of the cover for distension thereof, a stay upstanding from the frame at the cap front, and vertically spaced means extended from the top portion of the stay in pressure engagement with opposite sides of the grommet at the upper and lower edges thereof.

2,575,115
TIE MEMBER FOR THE COIL WINDINGS OF DYNAMOELECTRIC MACHINES
Ernest A. Linke, Ridgewood, N. J., assignor to General Electric Company, a corporation of New York
Application December 24, 1949, Serial No. 134,922
2 Claims. (Cl. 171—252)



1. A dynamoelectric machine member having a plurality of winding slots formed therein, a plu-

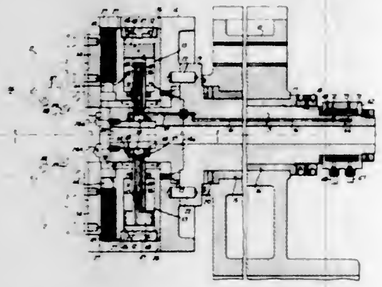
rality of windings positioned in said slots, a plurality of U-shaped wire tie members having legs each overlying windings in separate slots and having portions extending beyond said slots adapted to be formed around the end turns of said windings outside of said slots for securely holding said end turns in place, and a plurality of slot wedge means to retain said windings and tie members in said slots.

2,575,116

CUTTER HEAD STRUCTURE WITH HYDRAULICALLY OPERATED CUTTER MOUNTINGS

Russell T. Murray, El Cerrito, Calif., assignor to Grove Regulator Company, Oakland, Calif., a corporation of California

Application April 2, 1946, Serial No. 659,004
5 Claims. (Cl. 82—20)



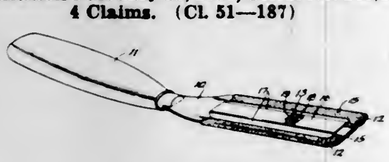
1. In a metal working machine, a head structure adapted to be rotated, radially extending guideways formed on the head, cutter mounting means carried by said guideways, means including a pair of hydraulically operated cylinder and piston units for moving said mounting means, the pistons of said units being rigidly attached to the head and the cylinders of said units being rigidly and directly attached to said mounting means, and means including a pair of racks and a cooperating pinion for synchronizing movements of said mounting means.

2,575,117

SANDING DEVICE

William Naken, Chicago, Ill.

Application February 25, 1950, Serial No. 146,177
4 Claims. (Cl. 51—187)



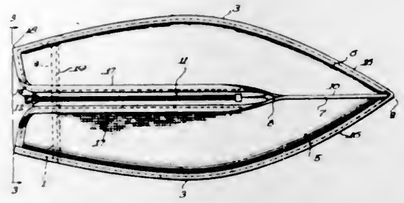
1. A sanding device comprising a handle and a blade rigidly connected end to end and lying at an obtuse angle to each other, the blade being adapted to receive an abrasive sheet overlying the blade bottom with its edge portions folded over the edges of the blade and extending partially over the top of the blade, a fastening ear extending upward from the top of the blade, a fastening plate to overlie the top of the blade and grip the folded edges of the abrasive sheet, and an integral finger on the plate to engage the fastening ear upon sliding the plate relative to the blade to secure the plate to the blade.

2,575,118

FLATIRON COVER AND PROTECTOR

Grange K. Pattison, Chicago, Ill., assignor to Textile Mills Company, Chicago, Ill., a corporation of Illinois

Application March 17, 1948, Serial No. 15,433
4 Claims. (Cl. 150—52)



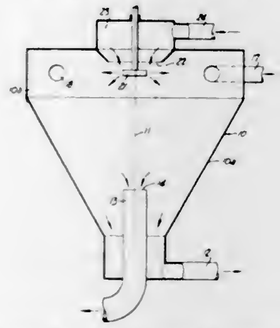
1. A flatiron cover comprising fabric pieces forming a bottom wall panel and a pair of side wall panels, the forward end of each panel forming an angular corner, said bottom panel being of triangular shape with outwardly curved side edges and a straight marginal edge forming the rear end of said bottom panel remote from the forward end thereof, said side wall panels respectively each having a lower edge secured to and along a corresponding side edge of the bottom panel, from the cornered front ends of said side and bottom panels to the rear end of the bottom panel, the rear ends of the side panels extending beyond the rear end of the bottom panel to provide projecting flaps, said side panels having upper edges permanently secured together at and through a predetermined distance from the front corners thereof, the rearward portions of said upper edges extending to meet the bottom edges of said side panels at said projecting flaps, and interengageable fastener means on the said rearward portions of the said upper edges of said side panels for detachably securing the same together.

2,575,119

SPRAY DRYING EQUIPMENT AND METHOD

David D. Peebles, Hillsborough, Calif., and Reginald E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif., a corporation of California

Application August 22, 1949, Serial No. 111,638
3 Claims. (Cl. 159—48)



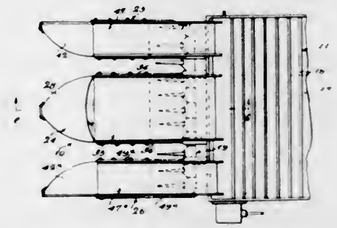
1. In a spray drying method making use of a vertical drying zone, the steps of introducing atomized particles of material to be dried into the upper portion of said zone adjacent the vertical axis thereof and projecting said particles generally horizontally from said axis, continuously introducing hot drying gas into the upper portion of the zone to maintain a drying atmosphere within the zone for drying the atomized particles, the hot drying gas being introduced as free discharging jets of gas distributed about the horizontal region in which the atomized particles are introduced, said jets being on substantially linear axes which successively intersect and which are in a common plane at right angles to the said vertical axis of the zone and substantially coincident with the horizontal plane in which the atomized particles are introduced and projected, said jets being localized whereby the direct discharge of the same into the zone is confined to the proximity of the upper and lower sides of said plane.

2,575,120

BEAN HARVESTER CATCHER ATTACHMENT

George A. Peel, Livingston, Calif.

Application July 8, 1949, Serial No. 103,671
5 Claims. (Cl. 56—23)



1. An attachment for harvesting machines used in harvesting bean plants comprising a plurality of separate attachment sections, each of said sections having rearwardly extending supporting members each having a rear end adapted to be detachably fastened to a stationary part of a reciprocating cutter of a harvester, said attachment extending forwardly from said reciprocating cutter and having the sections thereof disposed in transversely spaced, substantially parallel relationship, each of said sections having a rounded nose or forward portion and a longitudinal trough extending rearwardly therefrom and inclined downwardly and rearwardly, said troughs extending rearwardly over the cutter bar and having open rear discharge ends adapted to discharge onto the upper flight of an endless conveyor or draper of the harvester.

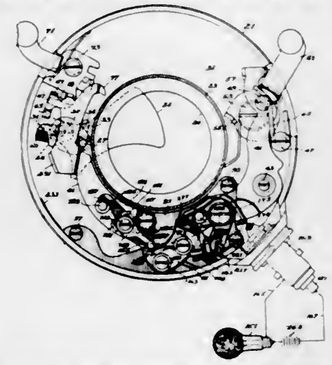
2,575,121

PHOTOGRAPHIC SHUTTER WITH BUILT-IN FLASH SYNCHRONIZER

Friedrich A. Gustav Pirwitz, Rochester, Gustave Paul Pirwitz, Irondequoit, and Jack H. Sutton, Rochester, N. Y., assignors to Wollensak Optical Company, Rochester, N. Y., a corporation of New York

Application November 21, 1947, Serial No. 787,394
7 Claims. (Cl. 95—11.5)

1. In a photographic shutter of the type including a master member movable in a tensioning direction to condition the shutter for making an exposure and movable in the opposite direction to make an exposure, a spring tensioned by movement of said master member in said tensioning direction and furnishing the power to move said master member in said opposite direction, and electric circuit parts for operating a flash lamp in synchronism with the exposure; the combination of a first switch and a second switch electrically connected in said circuit in series with each other, a first switch operating member movable between switch-open and switch-closed positions, a spring constantly tending to move said operating member from switch-open position toward switch-closed position, a second switch operating member movable between switch-open position and switch-closed position, means tending to hold said second switch operating member in either of its positions in which it is set, and parts on said



master member for engaging both of said switch operating members to move said first switch operating member against the tension of its spring to switch-open position during the latter part of movement of said master member in said tensioning direction and to move said second switch operating member to switch-closed position substantially at the completion of movement of said master member in said tensioning direction.

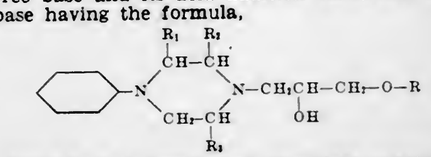
2,575,122

PIPERAZINE COMPOUNDS

Cash B. Pollard and Thomas H. Wicker, Gainesville, Fla., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application October 11, 1950, Serial No. 189,670
6 Claims. (Cl. 260—268)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is a member of the class consisting of —CH_3 and —C_2H_5 and R_1, R_2 and R_3 are members of the class consisting of hydrogen and methyl groups.

2,575,123

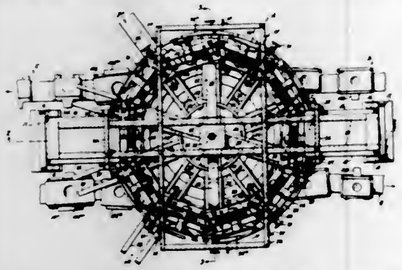
AUTOMATIC JACKET AND WEIGHT SHIFTER FOR SNAP FLASK MOLD CONVEYERS

Frank R. Pollard, Indianapolis, Ind., and Charles M. Young, Jr., Philadelphia, Pa., assignors to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application October 29, 1948, Serial No. 57,244
11 Claims. (Cl. 214—1)

1. Mechanism for shifting jackets and their associated weights from poured to unpoured molds presented to different portions of the mechanism by a snap flask mold conveyor, comprising a turntable frame mounted for rotation about a vertical axis, a plurality of vertically arranged grapple units spaced around and supported on

said frame; each grapple unit comprising opposed depending grapple arms adapted to be moved relative to each other radially of said frame into and out of jacket and weight gripping position and to be moved in unison vertically of said frame to raise and lower the gripped jacket and weight, a vertically movable support for the grapple arms carried by the turntable frame, and mechanical means carried by the turntable frame and operatively connected with the grapple arm



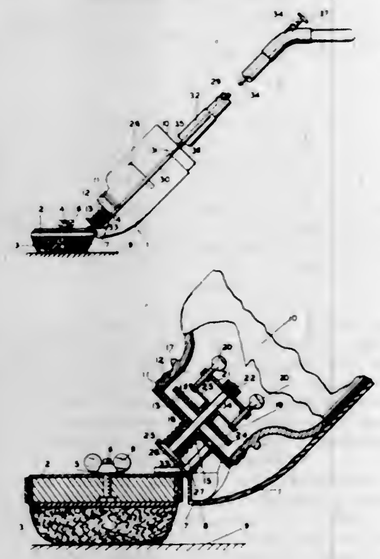
support and the grapple arms for moving the support and arms vertically and for moving the grapple arms relative to each other; and stationary means concentric with, adjacent to the path of travel of and continuously engaged by all of the mechanical means of the grapple units and operating as a result of rotation of the turntable frame for directly imparting to the mechanical means of each grapple unit the motivating force required to move its grapple arms both vertically and relative to each other.

2,575,124

HANDLE-MOUNTED FLOOR WAXER HAVING LIQUID DISPENSER WITH VALVE OPERABLE FROM UPPER END OF HANDLE

Chester R. Pollitt, Portland, Oreg.

Application November 18, 1946, Serial No. 710,554
3 Claims. (Cl. 222—162)



1. A liquid dispenser, comprising a frame curved in cross section to form a cradle provided at its lower end with a transverse trough having exit openings in its bottom, a liquid container having exit openings formed in one of its ends and slidably mounted in the cradle, a flange extending upwardly and forwardly from the lower end of the cradle, a valve on the inside of the container to control the exit openings in the end of said container, a stem extending through the end of the container and the valve, the lower end of the stem having a head which engages the forwardly and upwardly extending flange, a cross bar secured to the upper end of the stem, screws threaded in the cross bar with their inner ends rotatably mounted on the valve, a spring between the lower end of the container and the head on the stem to normally urge the container upwardly in the cradle to close the valve, a handle extending from the cradle, and means on the handle engaging the upper end of the container for sliding said container downwardly in the cradle against the tension of the spring to open the valve for release of liquid through the exit openings in the end of the container to the transverse trough.

2,575,125

BUTADIENE AND 1,1,2-TRICHLORO-3,3,3-TRIFLUOROPROPENE-1

Maurice Prober, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application March 30, 1949, Serial No. 84,488
1 Claim. (Cl. 260—82.1)

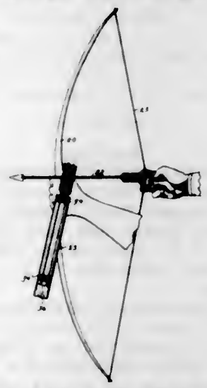
A composition of matter comprising the product of copolymerization under heat of a mixture comprising, by weight, (*a*) from 25 to 73 per cent 1,1,2-trichloro-3,3,3-trifluoropropene-1 and (*b*) from 75 to 27 per cent, by weight, butadiene-1,3, the total weight of (*a*) and (*b*) being equal to 100%.

2,575,126

ARROW HOLDING ATTACHMENT OR RACK FOR HUNTING BOWS

James C. Ramsey, Lincoln, N. Mex.

Application May 23, 1947, Serial No. 749,918
1 Claim. (Cl. 224—0.5)



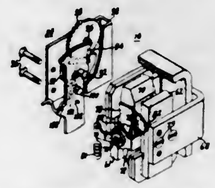
In an attachment of the character described, which is adapted to be adjustably mounted either on the right or left hand side of an arching bow to hold arrows in a convenient and ready position about the bow in order to permit rapid shooting, the improvement comprising a first plate, an outturned arm on said first plate extending at right angles therefrom, an angle bracket adjustably connected to said arm, a triangular shaped bracket detachably connected to said angular bracket, a second plate connected to said triangular shaped bracket, U-shaped brackets secured to said second plate at the opposite ends thereof, spring clips secured to said U-shaped brackets to receive the shafts of arrows placed therein, the uppermost one of said brackets having notches therein to receive the shafts of arrows adjacent the feathered ends thereof, a sheath for the arrow heads carried by the lowermost one of said brackets and said second plate is adapted to have protective covering secured to the outer surface thereof.

2,575,127

REVERSE CURRENT RESPONSIVE DEVICE

Paul J. Reifschneider, Springfield, Pa., assignor to General Electric Company, a corporation of New York

Application August 18, 1949, Serial No. 110,966
8 Claims. (Cl. 175—339)



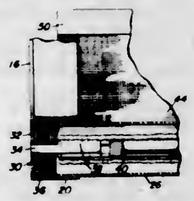
1. A reverse-current responsive device having in combination, a direct-current conductor having an interlinking magnetic yoke provided with pole pieces to form oppositely aligned pairs of reversible poles, a centrally pivoted permanent magnet armature having each end thereof magnetically operable between a corresponding pair of said poles when the current in the conductor reverses, and inductive current-responsive conducting rings separately encircling a diagonally spaced one of each pair of poles for shifting the flux to the other poles to prevent depolarization of the permanent magnet armature and thereby maintain the armature magnetically effective when the rate of rise of reverse current becomes excessive.

2,575,128

WINDOW SCREEN

Luigi Renzetti, Medford, Mass.

Application September 11, 1950, Serial No. 184,293
1 Claim. (Cl. 160—28)



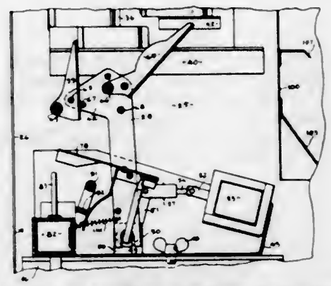
A window screen comprising a horizontally elongated housing, a pair of screen controlling units removably positioned in opposite ends of said housing and including a pair of spring actuated coaxial shafts, a roller extending in said housing between said shafts, a screen windable on said roller and extending upwardly from said housing for attachment to a vertically slidable window sash, and laterally projecting keys on said shafts, said roller being tubular and receiving said shafts in the opposite end portions thereof, the opposite end portions of the roller being provided with open ended slots to receive said keys, whereby the shafts and the roller are operatively connected.

2,575,129

PACKAGE VENDING MACHINE

Jacob H. Rubenstein, Syracuse, N. Y.

Application October 30, 1947, Serial No. 783,082
7 Claims. (Cl. 312—63)



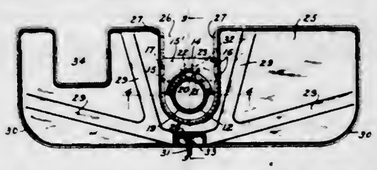
5. A package vending machine including a casing formed with means to separately support two columns of packages, one carried forwardly of the other, package ejecting mechanism operable to successively eject packages first from said rear column and upon exhaustion of packages in said rear column to successively eject packages from said forward column, said mechanism including a carrier mounted in the casing and movable forwardly and rearwardly below said columns, a package ejecting member mounted on said carrier for engagement with the lowermost package in said rear column upon forward movement of said carrier, a second package ejecting member mounted on the carrier for engagement with the lowermost package in said forward column upon forward movement of said carrier, said second package ejecting member being maintained out of package engagement by the lowermost package in the rear column.

2,575,130

FLUSH TANK DRIP CATCH

Norbert A. Rubner, Milwaukee, Wis.

Application April 24, 1948, Serial No. 22,970
1 Claim. (Cl. 4—252)



In a pan support cooperable with a cylindrical upright mounting member, a rigid horizontal pan having a rearwardly open central recess bounded by an integral upstanding U-shaped wall the upper edge of which is provided with an integral inwardly directed continuous flange forming parallel rearwardly extending rails connected by a front semi-circular flange portion having greater radius than that of the cylindrical mounting member, a unitary supporting element having a rigid semi-circular integral apron disposed entirely beneath the pan and snugly cooperable with the rear of the upright cylindrical mounting member and also having an integral rearwardly extending rigid shelf at its upper extremity pro-

vided with rigid vertically spaced parallel periodically interrupted outwardly open grooves projecting rearwardly away from said apron and adapted to loosely slidably receive said parallel pan rails, and a clamping collar snugly directly engaging said apron and the adjacent front half of said cylindrical mounting member and being manipulable from the rear beneath said pan, said pan being freely forwardly removable from said element without disturbing said clamping collar or the supporting element.

2,575,131
SPOOL WITH REMOVABLE HEAD
Jerome Salkin, Odenton, Md., assignor to The National Plastic Products Company, Odenton, Md., a corporation of Maryland
Application October 4, 1949, Serial No. 119,504
6 Claims. (Cl. 242—124)



6. A detachable flange unit adapted to be readily assembled and disassembled from a core of fibrous or similar material comprising a flange and a plurality of metallic members rigidly secured thereto and projecting inwardly therefrom toward the axis of the spool at angles slightly less than 90°, the end of each projecting portion being bent inward slightly towards the center of the flange, said metallic members being peripherally disposed equidistantly from the center of the flange so that the base of each projecting portion is located on the periphery of a circle of a diameter slightly greater than the inner diameter of the core with which it is to be assembled so that said projecting portions at their bases will bite into the inner wall of the core when so assembled.

2,575,132
SEALING ASSEMBLY
Lawrence G. Saywell, San Mateo, Calif., assignor to Saywell Associates, South San Francisco, Calif., a joint venture
Application September 6, 1947, Serial No. 772,483
5 Claims. (Cl. 277—42)



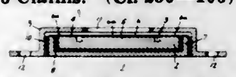
1. A sealing device for establishing a fluid tight seal between relatively rotatable inner and outer parts having an annular space therebetween for receiving said sealing device, said sealing device comprising an outer sealing structure adapted to be carried by said outer part in fluid tight relation therewith and extending radially inwardly into said space, an inner sealing structure adapted to be carried by said inner part in fluid tight relation therewith and extending radially outwardly into said space, each of said structures including at least two annular sealing elements, each element of one structure having overlapping and sealing engagement with a sealing element of the other structure, the overlapping sealing area on one side of the assembly being on such a radius that the exterior face of the corresponding inner element presents an effective fluid pressure area substantially greater than the effective fluid pressure area presented by the exterior face of the engaged outer element, and the sealing area on the other side of the assembly being on such a radius that the effective fluid pressure area presented by the exposed exterior face of the corresponding outer element is substantially greater than the exterior face of the corresponding inner element, each of the elements which present the greater fluid pressure areas being stressed in the same direction longitudinally of the axis of the device.

2,575,133
CORN PAD
William M. Scholl, Chicago, Ill.
Application June 19, 1948, Serial No. 33,972
1 Claim. (Cl. 128—153)



A surgical pad for corns and similar afflictions, including a body of cushioning material having an opening for reception of an affliction and having substantially straight parallel side edges and a rectangularly disposed rear edge, forward edges converging substantially to a point, a cover over said body portion coextensive therewith and adhesively secured thereto, said pad being materially reduced in thickness forwardly and substantially medially thereof, a transverse shoulder formed thereby extending the entire width of the pad whereby pressure on said pad will be removed from the reduced portion thereof away from the affliction and distributed uniformly over the thicker area of said pad.

2,575,134
RADIOACTIVE SOURCE
Warner W. Schultz and Eugene P. Kozoriz, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 6, 1950, Serial No. 199,465
3 Claims. (Cl. 250—106)

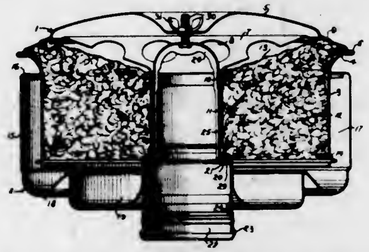


1. A radioactive source comprising a supporting block formed of a material not readily broken down by prolonged bombardment from radioactive materials and provided with a flat surface; a deposit of a radioactive material on a portion of said flat surface; a thin sheet of sealing material covering said surface and said deposit of radioactive material thereon to form a sealing layer transparent to the spectrum of radiation from said deposit of radioactive material; a layer of adhesive bonding said sheet of sealing material to said surface; a casing formed of material capable of standing prolonged bombardment from radioactive material containing said supporting block, said sheet of sealing material and said deposit of radioactive material bonded therebetween and having an aperture positioned over said deposit of radioactive material; and a layer of adhesive bonding said supporting block and said sheet of sealing material to said casing.

2,575,135
METAL MERCAPTIDES AS MODIFIERS IN EMULSION POLYMERIZATION
Walter A. Schulze and Willie W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 19, 1947, Serial No. 792,830
8 Claims. (Cl. 260—84.1)

3. In the polymerization of a monomeric material dispersed in an aqueous emulsion in the presence of a soap emulsifying agent and comprising a major proportion of an aliphatic conjugated diene to produce synthetic rubber, the improvement which comprises conducting said polymerization in the presence of an added metal alkyl mercaptide having at least 8 and not more than 16 carbon atoms per alkyl group and in which said metal is of the group consisting of silver, zinc, cadmium, mercury and lead, in an amount between 0.1 and 1.5 parts by weight per 100 parts of monomeric material.

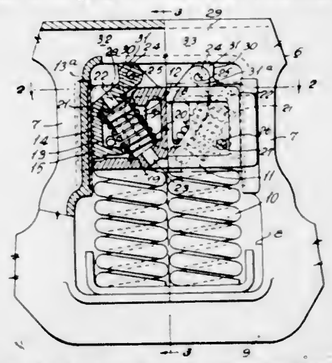
2,575,136
AIR CLEANER AND METHOD OF MAKING PARTS THEREOF
Frank Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 26, 1946, Serial No. 705,887
7 Claims. (Cl. 183—15)



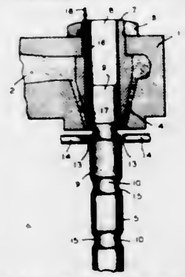
1. In a liquid bath air cleaner, a casing comprising separable upper and lower sections, a center tube outlet in one of said sections, a bracket of generally inverted U-shape extending through said center tube, releasable means connecting the yoke portion of said bracket to the other casing section, said bracket being made of a single stamping with relatively narrow legs, and each bracket leg having the lower part thereof turned outwardly for securement to the lower of said casing sections.

2,575,137
DAMPING MEANS FOR RAILWAY TRUCKS
James C. Settles and Claude L. Orr, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application October 15, 1945, Serial No. 622,434
10 Claims. (Cl. 105—197)

1. In a railway car truck, a side frame member provided with bolster guide columns arranged at opposite sides of a bolster opening, a bolster portion extending into said opening and having diverging surfaces, spring means supporting said bolster portion from the side frame, friction wedges arranged at opposite sides of the bolster portion and frictionally engaging said columns and said diverging surfaces, spring means positioned in the bolster portion substantially parallel to said diverging surfaces and yieldingly urging the wedges against said columns, bolster lugs provided with horizontal apertures, and other lugs projecting upwardly from the wedges and having horizontal apertures adapted to be brought into alignment with the apertures of the bolster portion to receive retaining pins for holding the last-mentioned spring means in compressed condition, one of the lugs of one of the wedges having a substantially vertical abutment surface confronting one of the bolster guide columns.



2,575,138
METHOD AND APPARATUS FOR PACKAGING AND PACKAGE
Charles E. Slaughter, New Canaan, Conn.
Application October 29, 1948, Serial No. 57,331
16 Claims. (Cl. 18—13)



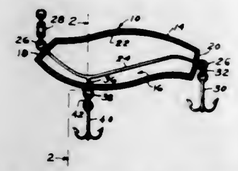
1. Apparatus for packaging discrete discontinuous solid material comprising means for continuously extruding a heated thermoplastic resin to form continuous, seamless tubing, said means including a die, said die being provided with an opening leading to the interior of the continuous extruded tubing, and means for intermittently inserting discrete discontinuous solid material into said tubing after the tubing has attained its tubular structure and as the tubing is being extruded in such manner that the solid material is intermittently spaced within the tubing and in intimate contact with the walls of the tubing, with unfilled portions of tubing extending between such intermittent solid material.

12. The method of packaging which comprises extruding heated thermoplastic resin in the form

of continuous seamless tubing, intermittently sealing said tubing transversely to close the tubing at such seal, intermittently inserting a solid material within said tubing adjacent said seal, and transversely sealing said tubing beyond said material to form a second seal.

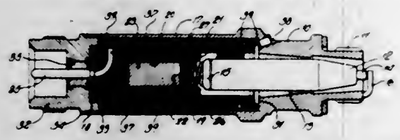
16. A chain of rigid closure ends comprising a continuous length of extruded thin-walled pliable seamless thermoplastic tubing carrying a series of discrete rigid closure ends therein in spaced relation to each other, each of the ends being sealed to the tubing, and a rigid sleeve interposed between each pair of closures.

2,575,139
ARTIFICIAL BAIT
Benjamin O. Smith, St. Augustine, Fla.
Application October 17, 1945, Serial No. 622,873
1 Claim. (Cl. 43—42.33)



A fish lure comprising a transparent hollow body formed of longitudinal similar halves secured along their edges to provide a sealed chamber, the top of said body being concave at its forward portion and merging into a convex rear portion, the bottom of said body being convex at its forward portion and merging into a concave rear portion, curved front and rear ends joining the top and bottom of said body, said front end facing upwardly, the interior of the body being coated with an opaque material, a first wire extending longitudinally through said chamber and through openings in the ends of said body, a second wire integral with said first wire and extending through an opening in the convex portion of said bottom, said body being circular in cross-section on a plane passing through said second wire, and eyes on the free ends of said wires abutting the lure body and providing line-attaching means for the front end and hook-attaching means for the bottom and rear end of said body.

2,575,140
IGNITION DEVICE AND PARTS THEREOF
Whitfield C. Smith, Oneonta, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application December 29, 1948, Serial No. 67,950
2 Claims. (Cl. 315—57)

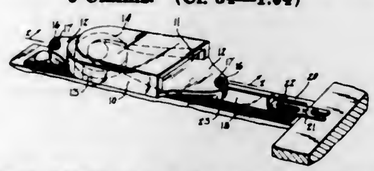


1. Ignition apparatus comprising a tubular metallic shell, an insulated center electrode assembly supported in said shell, a tubular metallic barrel on said shell surrounding and extending beyond the end of said assembly, an end closure for said barrel having a passage therethrough, a contact pin extending through said passage, a glass-to-metal seal in said passage around said pin, an insulated step-up voltage transformer in said barrel comprising a rigid insulator secured to said end closure and having a recess at one end for receiving said pin and a resilient terminal at the other end for electrical engagement with the conducting portion of said assembly, a core of powdered metal with a binding of insulating material in said insulator, a secondary winding on said insulator comprising a closely wound layer of insulated wire, opposite ends of said winding being electrically connected to said contact pin and said terminal, a high-resistance electrically-conductive coating covering said secondary winding, an insulating sleeve surrounding said winding and the projecting end of said assembly, a metallic ring mounted on the end of said sleeve and having resilient extensions contacting said shell, a space wound primary winding on said sleeve around said secondary winding, opposite ends of said primary winding being connected to said pin and said ring, a plurality of layers of woven glass fibers surrounding said primary winding and said sleeve, and a solid yieldable insulating material filling the remaining space in said barrel and embedding said layers of woven glass fibers.

2,575,141
SURFACES HAVING LOW ADHESION TO ICE
Robert Smith-Johannsen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 26, 1948, Serial No. 56,673
23 Claims. (Cl. 62—108.5)

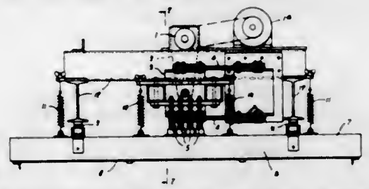
1. The process of lowering the adhesion of ice to a surface which comprises (1) treating the surface with a silicon-containing composition convertible by moisture to a composition containing a silicon-bonded OH group and selected from the class consisting of organosilicates, alkali-metal silicates, condensed silicic acid, inorganic halogenodisilanes, organohalogenodisilanes, and mixtures thereof, and effecting hydrolysis of the aforesaid silicon-containing composition thereby to provide a coating thereon containing silicon-bonded OH groups and (2) applying a preformed polyorganohalogenopolysiloxane containing a terminal silicon-bonded halogen to the coated surface.

2,575,142
MICROPHONE ATTACHMENT FOR ACCORDIONS
Louis Sorkin, Long Beach, N. Y.
Application August 19, 1949, Serial No. 111,105
6 Claims. (Cl. 84—1.04)



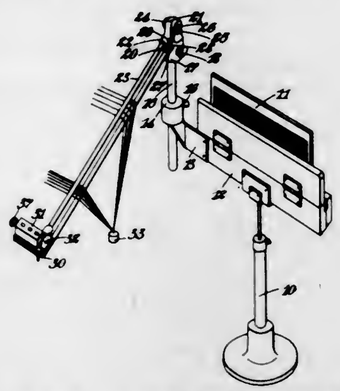
1. In a flexible connector adapted to connect electrically two shielded cables, the combination of a conductive sheet, a conductive strip, an insulative tape separating said conductive sheet and strip, an insulative sheet protecting said conductive strip, said sheets, strip, and tape being secured together by conductive brackets at both ends thereof, each of said brackets holding fast therein one of said shielded cables, a ground contact being made between said conductive sheet, said brackets, and the shielding on said cables, and a live contact being made between said conductive strip and the wires in said cables.

2,575,143
SCREENING APPARATUS
George Harry Strain, Seaford, England
Application August 11, 1947, Serial No. 768,054
In Great Britain October 16, 1946
5 Claims. (Cl. 209—329)



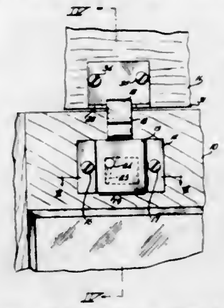
1. Screening apparatus comprising a rigid primary mass mounted on springs and subjected to substantially rectilinear vibrations, a secondary mass comprising a screening compartment adapted to vibrate in accordance with the movements of said primary mass, buffer springs interposed between the two vibrating masses and serving to determine the deceleration and acceleration of said secondary mass as it approaches or recedes from said primary mass, tension springs for coupling the secondary mass to and forcing the same towards the primary mass, additional tension springs for coupling said screening compartment to a stationary framework, and transverse springs for holding said screen compartment in position relatively to the primary mass.

2,575,144
THREAD COUNTING DEVICE
Edwin Swindells, Macclesfield, England, assignor of one-half to Brocklehurst-Whiston Amalgamated Limited, Macclesfield, England, a British company
Application May 23, 1949, Serial No. 94,890
5 Claims. (Cl. 235—91)



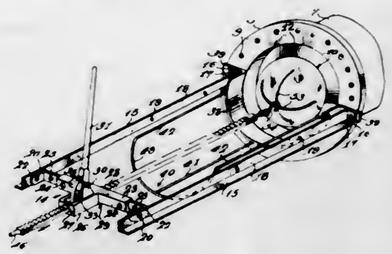
1. A thread counting device comprising a thread supporting member across which the threads to be counted may extend in spaced relationship, loading means securing together the ends of the threads and holding said threads against said supporting member and permitting them to be slid along and over one end thereof, which end is provided with a slot, a yielding element projecting into said slot having a part thereof in the path of the sliding movement of said thread so as to be successively engaged by said thread and have successive movements imparted thereto, and a counter driven by said yielding element.

2,575,145
STORM WINDOW HINGE
Gotthard A. Thomas, Des Plaines, Ill.
Application June 15, 1948, Serial No. 33,199
4 Claims. (Cl. 16—172)



3. A separable hinge for a window frame and sash assembly comprising a plate for mounting on one portion of the window assembly and slotted near one margin thereof, a reciprocable hinge leaf having a hook for engagement with the slotted portion of said plate to hinge thereon, said leaf having an aperture, mounting means for said leaf on another portion of the window assembly for slidably guiding the leaf and covering the aperture therein, a shaft extended from said mounting means through said another portion of the window assembly to the opposite surface thereof, and an arm connected to said shaft and disposed within said aperture for cooperation with an edge defining said aperture for reciprocating said leaf relative to its mounting means.

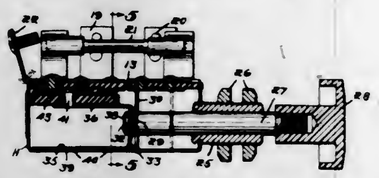
2,575,146
PIPE LINE SCRAPER INSERTER AND REMOVER
Raymond R. Thomas, Childress, Tex.
Application May 2, 1947, Serial No. 745,448
2 Claims. (Cl. 15—104.06)



1. In a pipeline scraper inserter and remover, an elongated open frame adapted to be detachably connected to the flanged end of a pipeline trap and projecting outwardly therefrom and disposed substantially axially thereof, said frame including spaced substantially parallel side members, a cross head forming a part of said frame

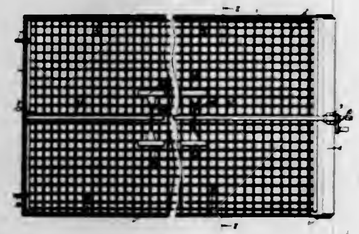
and disposed transversely thereof, said cross head being reversibly disposed in the frame, a rack bar reciprocably disposed in the cross head for movement longitudinally of the frame and having means for engaging the end of a scraper for inserting the scraper into and removing it from the pipeline trap, and a lever and pawl means swingably supported by the cross head for moving the rack bar therethrough, the lever of said lever and pawl means being pivotally supported to swing in a plane generally parallel to the directions in which said side members extend.

2,575,147
ELECTRIC SWITCH
Thomas Unsworth, Wellesley, Mass., assignor to Cole-Hersee Company, Boston, Mass., a corporation of Massachusetts
Application June 8, 1949, Serial No. 97,777
5 Claims. (Cl. 200—16)



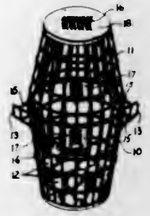
1. A push-pull switch comprising a casing having a bottom, sides and ends, a cover plate of insulating material removably attached to the top of the casing, said cover plate having terminals on its outer side and complemental contacts on its inner side, a shaft mounted in one end of the casing for sliding movement longitudinally thereof, a spring metal saddle slidable longitudinally within the casing and having a bottom portion slidably engaging the casing bottom, an integral end portion and an integral, flexible, and resilient top portion disposed substantially in spaced parallel relation to said cover plate, means comprising a slot extending from top to bottom of said end portion for removably and rotatably connecting said saddle to the inner end of said shaft, an insulator on the top portion of said saddle, and a bridging conductor on said insulator, said conductor having contacts slidably engageable with complemental contacts on said cover plate.

2,575,148
DUST COLLECTOR FILTER
Gordon H. Vokes, Guildford, England, assignor to Vokes Limited, Guildford, England
Application September 12, 1949, Serial No. 115,125
In Great Britain September 28, 1948
4 Claims. (Cl. 183—59)



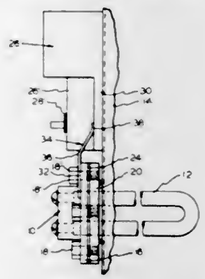
1. In a dust collector filter of the type including a bag of narrow elongated cross-section and for arresting dust on its outer surface, a frame for supporting said bag at its side edges, said bag being adapted to be inflated by internal pressure for removing collected dust and by which the bag's sides are ballooned in a catenary-like curve between its edges, and beating means carried by said frame within the bag for engaging the sides of the bag and freeing the bag from dust by a beating operation, the improvement in said beating means of a curved profile on its bag-contacting surface substantially coinciding with the catenary-like curve adopted by the bag's sides under said internal pressure.

2,575,149
VEGETABLE WASHING BASKET
Mattie Watson, New York, N. Y.
Application April 22, 1946, Serial No. 664,134
1 Claim. (Cl. 220—19)



A vegetable washing device, comprising a pair of wire baskets having open ends of equal circular size to abut against spaced brackets mounted over the top edge of one of the baskets, said brackets being provided with corrugated cross bars, the open end of the other basket being disposed against said cross bars, and loop handles pivoted to the basket carrying said brackets and provided with hook arms disposed in angular relation thereto to engage the other basket and pull the same into seating engagement with said corrugated cross bars.

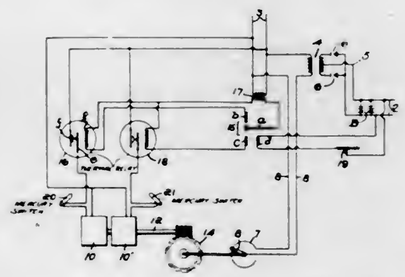
2,575,150
THERMOSTAT MOUNTING ASSEMBLY FOR HOT-WATER HEATERS AND THE LIKE
Walter C. Wellman, Middleville, Mich., assignor to White Products Company, Middleville, Mich., a corporation of Michigan
Application February 17, 1949, Serial No. 76,921
1 Claim. (Cl. 219—38)



In combination with a hot water heater tank having a wall defining a port for the mounting of a heater unit therethrough and a rigid mounting plate positioned adjacent said port and rigidly connected to said wall on the exterior

thereof, a thermostat for controlling the heater unit and adapted to be positioned against the exterior wall of said tank, said thermostat having a casing with spaced abutment portions against which a force may be applied toward the exterior wall of the tank to hold the thermostat in intimate contact therewith, a clamp for holding said thermostat against the exterior wall of said tank having a portion imposed upon said mounting plate and a U-shaped portion projecting beyond said plate, and means for removably attaching said clamp to said plate with the legs of said U-shaped portion engaging said abutment portions.

2,575,151
BATTERY-CHARGING APPARATUS
Grant Wheat, Marlboro, Mass., assignor to Koehler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts
Application October 17, 1947, Serial No. 780,423
4 Claims. (Cl. 320—39)

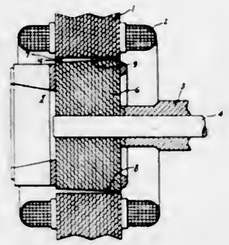


1. In an apparatus for charging storage batteries from an alternating current supply circuit, the combination of a transformer, rectifying means connected with the secondary of said transformer, a circuit for charging the batteries in parallel, the latter circuit being supplied with rectified current from said secondary, and means operating automatically in response to variations in the voltage of the charging circuit for adjusting the voltage delivered to it so as to correct the variations which otherwise would occur in the voltage of the charging circuit due to changes in the load applied to the latter circuit, said means including a variable resistor element connected into the primary of the transformer, power driven means for moving the resistor element, a selector relay for controlling the power driven means, and said power driven means being manually operable independently of the selector relay.

2,575,152
PROCESS OF DISSOLVING SILK FIBERS
Thomas C. Whitner, Elizabeth, N. J.
No Drawing. Application September 6, 1950, Serial No. 183,465
7 Claims. (Cl. 106—161)

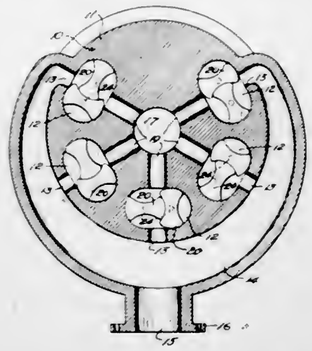
1. The process which comprises dissolving silk fibers and cupric hydroxide simultaneously in an aqueous solution of substantially only an alkali metal hydroxide until said aqueous solution is substantially saturated with respect to cupric hydroxide and silk fibers, and continually keeping unchanged silk fibers in contact with said aqueous solution while said dissolution is being effected, the concentration of said alkali metal hydroxide being not less than about 0.5 per cent and not more than about 4 per cent by weight.

2,575,153
TAPERED ROTOR FOR UNIT BEARING MOTORS
Lawrance W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 21, 1950, Serial No. 196,843
9 Claims. (Cl. 171—252)



1. In a unit bearing dynamoelectric machine, concentrically arranged rotor and stator members defining an annular air gap, and a bearing for supporting said rotor, said air gap having greater width at the end remote from said bearing than at the end adjacent thereto.

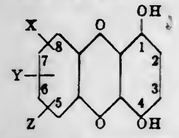
2,575,154
ROTARY PUMP
Carl Michael Zoll, New Orleans, La., assignor to Hydro Power, Inc., New Orleans, La., a corporation of Louisiana
Substituted for abandoned application Serial No. 600,305, June 19, 1945. This application December 18, 1950, Serial No. 201,503
2 Claims. (Cl. 103—4)



1. In rotary pumping mechanism, a housing having a body portion and having a series of pump chambers spaced concentrically about the axis of said body portion, an intake port at the bottom of said housing, a pair of arcuate passages within said housing, said passages extending in opposite directions from said intake port, said passages tapering from the said intake port in cross section whereby to obtain uniform suction in the pump chambers, said passages having port communication with said pump chambers, said housing having an outlet axially positioned with reference to said body portion, said housing having passages extending radially of said body portion from the pump chambers to said outlet, pumping elements in said chambers, and means to drive said pumping elements.

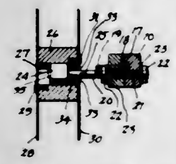
2,575,155
MANUFACTURE OF POLYHYDROXY ANTHRAQUINONE SULFONIC ACIDS
Curt Bamberger, Jersey City, and John W. Orelup, Short Hills, N. J., assignors to Patent Chemicals Incorporated, Paterson, N. J., a corporation of New Jersey
No Drawing. Application October 9, 1948, Serial No. 53,753
3 Claims. (Cl. 260—375)

1. The process of preparing 1,4-dihydroxy-anthraquinone-sulfo-acids by reacting in aqueous solution in the temperature range 75° C. to 110° C., sodium sulfite, a nitro-compound of the series, benzol, naphthalene, and a 1,4-dihydroxy-anthraquinone of the following general formula:



wherein each of X, Y, Z occupies one of the following four ring positions: 5, 6, 7 and 8, and stands for one of the group: hydroxy, halogen, sulfo.

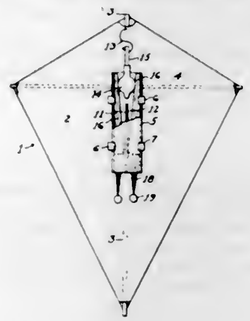
2,575,156
FISHING REEL
Raymond N. Baugh, Bridgeport, and Robert F. Wycinowski, Fairfield, Conn.; said Wycinowski assignor to said Baugh
Application March 17, 1947, Serial No. 735,264
4 Claims. (Cl. 242—109)



4. In a fishing reel, a shaft having a cylindrical head, a reel having an axial bore rotatably engaged by said head and having outward axial movement thereon from a normal inward position, closure means for the inner end of said bore having a bearing hole therein through which said shaft extends, a helical spring disposed within said bore between said head and said closure means exerting inward pressure on said reel, and projecting lug means carried by said shaft normally disposed within said bore, said bearing hole having notch means permitting passage of said lug means to the outer side of said closure means upon outward axial movement applied to said reel to compress said spring, said lug means being adapted to engage the outer surface of said closure means in angular offset relation to said notch means under the pressure of said spring to frictionally resist rotation of said reel, said lug means being adapted to pass through said notch means under the expanding pressure of said spring upon rotation of said reel to bring said notch means into register with said lug means.

2,575,157
PARACHUTE DROPPING KITE
Hugo Berthene, Brooklyn, N. Y.
Application May 9, 1950, Serial No. 160,996
2 Claims. (Cl. 244—155)

1. A parachute dropping device for a kite having the combination of a plate, a plurality of tubes secured to said plate, a parachute in a folded condition within each of said tubes, an inflatable member in an inflated state located in each of said tubes between the parachute therein and its wall maintaining the parachute in place, each of said members having an air



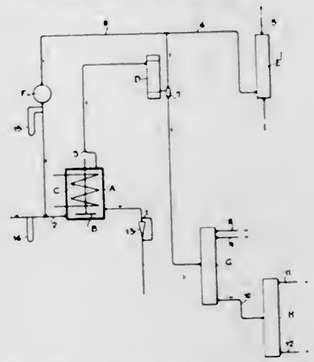
leaking opening, and means to secure said plate to said kite with the said tubes in an upright state, whereby deflation of said members through their said openings during flight of the kite will release and drop all of said parachutes from said tubes.

2,575,158
SPRING HAND GRIPPING CONTROL GARMENT HANGER CONSTRUCTION
Joseph Blumenstein, Cold Spring Harbor, N. Y., assignor to "Sur-Grip" Inc., New York, N. Y., a corporation of New York
Application March 22, 1950, Serial No. 151,280
2 Claims. (Cl. 223—95)



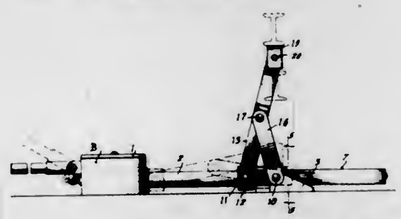
1. A garment hanger comprising a pair of elongated member portions assembled for telescoping movement, one of said member portions into which the other member portion extends having elongated aligned slots located over a mid-section of said other member, hand gripping levers each formed of a relatively rigid structure secured to extend from said member portions, a hinge pin swingably interconnecting ends of said levers, spaced apart pins for pivoting the other ends of said levers, one pin passing through a mid-section of the first mentioned member portion and the other pin through said mid-section of the other portion and through said slots, a compression spring mounted within the telescoping assembly of said member portions to extend and exert pressure therebetween for urging said member portions into a maximum extensible relation, and parallelly aligned spread retainer garment engaging means supported at opposite free ends of said member portions.

2,575,159
PROCESS FOR MANUFACTURING ANHYDRIDES
Pierre Chassaing, Rue Saint Jean, Melle, and Paul Biarnais, Le Coudray, Par Melle, France, assignors to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France, a corporation of France
Application October 23, 1948, Serial No. 56,244
In France October 29, 1947
9 Claims. (Cl. 260—546)



1. A process for the production of saturated fatty acid anhydrides having from four to eight carbon atoms which comprises, introducing an aldehyde capable of generating said anhydride, and an oxygen-containing gas, into a bath substantially consisting of at least 75% by weight of the desired anhydride, its corresponding acid and a catalyst which consists of at least one salt of a metal selected from the group consisting of vanadium, cobalt, nickel, copper and silver, combined with the acid corresponding to the desired anhydride, said bath being maintained at a temperature of from about 30° C. to about 100° C., and removing gas containing the desired anhydride from the bath.

2,575,160
HYDRAULIC AUTOMOBILE JACK
Robert H. Clarke, Nutley, N. J.
Application July 1, 1948, Serial No. 36,540
4 Claims. (Cl. 254—93)



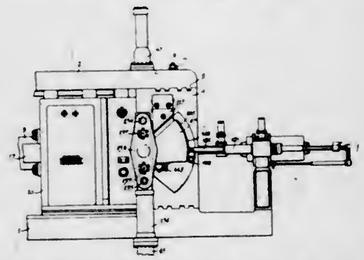
1. An automobile jack comprising a foot, an elevating link pivotally connected at one end to said foot, a load-carrying link having load-engaging means at one end and pivotally connected intermediate its ends to the other end of said elevating link, a linearly movable guide element pivotally connected to the other end of said load-carrying link, a cylinder connected at one end to said foot and having said guide element slidable longitudinally thereof, a piston reciprocable in said cylinder with one end projecting therefrom, a pull link connecting said end of said piston to said guide element, and means for supplying hydraulic pressure to said cylinder at the other end of said piston.

2,575,161
RESILIENT ELECTRIC SOCKET CONTACT ELEMENT
Stanley Thomas Deakin, Ewell, England, assignor to British Mechanical Productions Limited, London, England, a British Company
Application February 17, 1948, Serial No. 8,858
In Great Britain May 31, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 31, 1966
6 Claims. (Cl. 173—328)



1. A resilient socket contact element for the purpose specified comprising a length of resilient strip material reversely bent about lines transverse to the length of the material into the form of a zigzag having substantially parallel legs and also comprising two opposed contact faces provided by two tongues extending laterally from the edges of the end legs of the zigzag strip material on one side thereof and spaced apart for the reception between them of a plug member, the zigzag providing a resilient support for the tongues to afford contact pressure on the plug member.

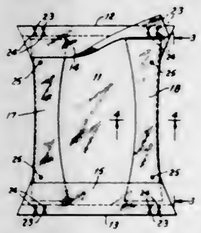
2,575,162
MOLTEN METAL SUPPLYING DEVICE FOR PRESSURE DIE-CASTING MACHINES
Jaime de Sternberg, Courbevoie, France
Application July 19, 1949, Serial No. 105,627
In France June 28, 1949
5 Claims. (Cl. 22—79)



1. A molten metal supplying device for the injection cylinders of a pressure diecasting machine, one of said cylinders acting as molten metal supplying cylinder for the other cylinders, comprising, in combination, a ladle having longitudinally the shape of a hollow circular cylindrical sector, pivotally mounted about an axis coinciding with the axis of said supplying cylinder and formed with an upper rectangular filling opening contained in a horizontal plane when the ladle is at rest, said ladle comprising a wall formed of a part of a cylinder, two longitudinal parallel plane walls in the shape of circular sectors, and a rectangular plane bottom wall, the part of which directed towards the pivotal axis forms a hollow cylindrical pivot centered on said axis and having an aperture opening from said axis into the interior of said ladle along its total transverse inner thickness, dismountable refractory linings of uniform thickness mounted on said walls inside said ladle, the free surface of the lin-

ing corresponding to the plane bottom wall registering the lower edge of said radial aperture, a hollow pivoting trunnion housed in said hollow pivot one end of which is tightly and pivotally mounted on one end of said supplying cylinder, said hollow trunnion having an inner diameter equal to that of said supplying cylinder and being formed with a radial aperture registering with the radial aperture of said pivot whereby a tight communication between the ladle and the supplying cylinder is obtained, a driving out piston vertically secured on the machine above said filling opening for extending to substantially the horizontal plane containing said filling opening when the ladle is at rest, the cross-section of said driving out piston being equal to the radial inner cross-section of said ladle, means for pivoting upwardly said ladle when filled with molten metal up to an angle at which said emptying piston registers the upper edge of said radial apertures, whereby said molten metal is ejected from said ladle into said supplying cylinder, said pivoting means acting after emptying of the ladle for returning said ladle to rest position by a downwards pivoting movement, means for draining the part of said ladle located below said fixed piston when said ladle has reached its raised position, means for ejecting the molten metal thus contained in the hollow trunnion and the supplying cylinder to the other injection cylinders, and means for releasing of said ladle from said fixed piston with a view to clean the same and replace said refractory linings when necessary.

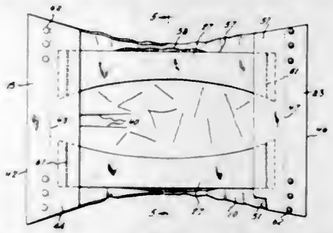
2,575,163
DIAPER COVER
Marion Donovan, Saugatuck, Conn., assignor to Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind., a corporation of Indiana
Application May 5, 1949, Serial No. 91,536
9 Claims. (Cl. 128—287)



1. A diaper cover comprising a backing sheet, longitudinally arcuate sidewalls attached along one edge thereof along opposing side portions of said backing sheet, and side flaps attached along the opposite edge of said side walls, all of soft pliable waterproof material.

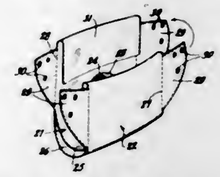
2,575,164
DIAPER HOUSING
Marion Donovan, Saugatuck, Conn., assignor to Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind., a corporation of Indiana
Application June 14, 1949, Serial No. 99,096
5 Claims. (Cl. 128—287)

1. A diaper housing comprising an outer wall, an inner wall having a central elongated opening, and opposed side walls connecting the outer and inner walls, the outer wall being formed from a blank having laterally extending wing portions at each end thereof which are provided with complemental fastening means for attachment around the waist section of the wearer, the side walls being formed from blanks having substantially the shape of a catenary curve whose opposed curved edges are secured to the outer and inner walls along substantially straight lines on



such walls, the outer wall and the side walls forming with the inner wall a pocket arranged to receive a folded diaper, the latter wall being arranged to overlie the marginal edges of the diaper while exposing the portion defined by the central elongated opening.

2,575,165
DIAPER COVER
Marion Donovan, Saugatuck, Conn., assignor to Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind., a corporation of Indiana
Application June 22, 1950, Serial No. 169,602
11 Claims. (Cl. 128—287)

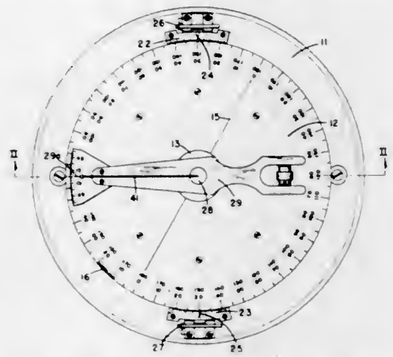


1. A diaper cover of soft waterproof material comprising an inner sheet provided with a central aperture and an outer sheet, said sheets being joined together along at least two opposing side edges of one of said sheets to provide a pocket for the retention of a diaper, said outer sheet having end portions and being longer than the length required to reach a baby's waist in front and in back when said diaper cover is passed between a baby's legs, whereby the said end portions may be folded back and thereby grip the end portions of a diaper inserted between said sheets and extending a substantial distance into said end portion areas to maintain said diaper from displacement within said diaper cover.

2,575,166
AZIMUTH MEASURING DEVICE
James H. Dunaway and Paul B. Powell, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 20, 1947, Serial No. 792,988
3 Claims. (Cl. 33—61)

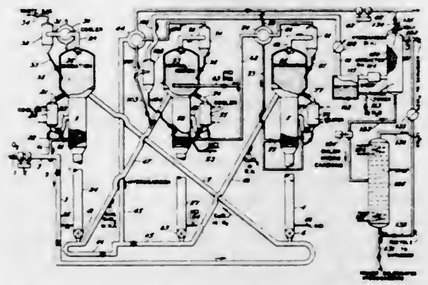
1. An azimuth measuring device comprising a horizontally orientable base plate, a protractor disc having equally spaced divisions marked around the circumference thereof, said disc being rotatably mounted at its center adjacent the upper surface of said base plate in a plane parallel to said plate, means for rotating said disc with respect to said plate, sighting means including as an integral part thereof indices co-

operating with said spaced divisions, said sighting means and indices being affixed to the upper surface of the plate and spacedly aligned upon diametrically opposite sides of said disc, means associated with said plate for indicating horizontal orientation thereof, a member carried by said base plate and mounted for rotation in a plane above and parallel to said disc, said member de-



fining a radial index line perpendicular to the axis of rotation thereof and cooperating with said spaced divisions, means for rotating said member about an axis passing perpendicularly through the center of said disc, and aligning means responsive to illumination from a major celestial body, said aligning means being mounted upon said member for indicating precise alignment of said radial index line with the azimuth of said major celestial body.

2,575,167
MANUFACTURE OF HALOGENATED HYDROCARBONS
Celeste M. Fontana and Everett Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 7, 1944, Serial No. 548,351
14 Claims. (Cl. 260—659)

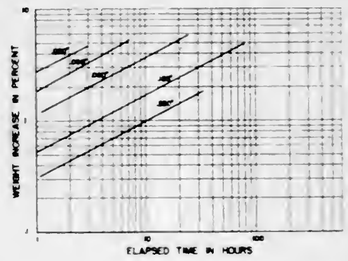


1. A continuous method for chlorinating normally gaseous paraffinic hydrocarbons by means of cupric chloride comprising the steps of (1) continuously oxidizing at a temperature of from about 325° C. to about 400° C. cuprous chloride supported on a finely divided solid suspended in an ascending free oxygen containing gas stream, (2) continuously neutralizing at a temperature of from about 325° C. to about 400° C. the oxidized cuprous chloride by suspending the same in a gas stream comprising hydrogen chloride to form cupric chloride therefrom, (3) continuously transferring as a suspension in a hydrocarbon gas the carrier supported cupric chloride to a separate reaction zone, (4) continuously suspending in said separate reaction zone maintained at a temperature above about 400° C. the carrier supported cupric chloride in a stream of the gaseous hydrocarbon to be chlorinated whereby said gaseous hydrocarbon is at least partially chlorinated and a major part of the supported cupric chloride is reduced to cuprous chloride, (5) continuously separating the gaseous product from step 4 comprising chlorinated hydrocarbon product, hydrogen chloride and unconverted hydrocarbon from the supported cuprous chloride of step 4, (6) continuously withdrawing supported cuprous chloride from said separate reaction zone and continuously circulating at least a part of said supported cuprous chloride to step 1, (7) continuously circulating at least a part of the hydrogen chloride of step 5 to step 2, and (8) recovering said chlorinated hydrocarbon from step 5 of the process.

2,575,168
RODENTICIDE COMPRISING 4-AMINOPTEROYLGLUTAMIC ACID
Alfred L. Franklin, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 22, 1948, Serial No. 40,160
2 Claims. (Cl. 167—46)

1. A rodenticide including as its active ingredient 4-aminopteroylglutamic acid, and a rodent edible dispersion medium therefor.

2,575,169
METHOD OF DETERMINING THE RATE OF MOISTURE ABSORPTION
Harry J. Green, Jr., Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application September 17, 1948, Serial No. 49,786
1 Claim. (Cl. 73—73)

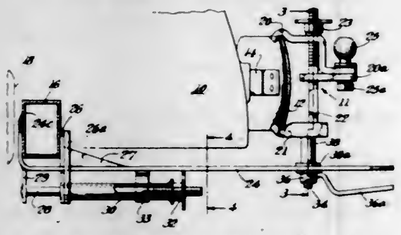


A method of determining the moisture absorbed by a body comprising dehydrating said body, weighing said body in its substantially dehydrated condition, exposing said body to a moist homogeneous atmosphere having substantially constant values of temperature and humidity, weighing said body in said atmosphere at time intervals prior to saturation, and logarithmically coordinating weight increases of said body with elapsed time of exposure whereby the resulting straight line relationship between said weight increases and time provides an indication of the moisture content of the body after any time interval prior to saturation.

2,575,170
SOIL STABILIZATION
August Holmes, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 6, 1945, Serial No. 597,973
1 Claim. (Cl. 94—25)

A process for building of roads which consists in mixing the underlying soil with a xylene and then laying a pavement thereover.

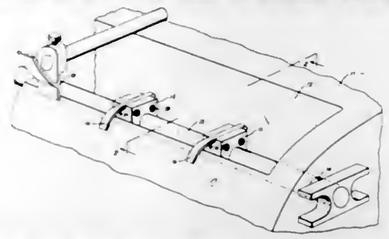
2,575,171
TRAILER HITCH
John R. Huise, Dover, N. J.
Application July 14, 1947, Serial No. 760,726
4 Claims. (Cl. 280—33.44)



1. A universal detachable trailer hitch for quick attachment and detachment to different towing vehicles having a bumper and a transverse chassis member inwardly spaced from the rear of the vehicle, said trailer hitch comprising a knuckle ball, cooperating clamping jaws adapted to engage the bumper and position the knuckle ball, adjustable screw means including a hitch bolt to force said bumper clamping jaws into bumper engaging position, a rigid draft member extending longitudinally of the vehicle from a point adjacent the chassis cross member to a position adjacent the adjustable screw means for the bumper clamping jaws, said draft member having a fixed face and carrying a relatively movable member with an opposing face, adjustable locking means to fixedly position said opposing faces in contact with the fore and aft faces of the chassis cross member to transmit fore and aft draft loads thereto, and an adjustable clamp engaging the hitch bolt and the adjacent end of the draft member whereby draft loads on the knuckle ball will be positively resisted by the chassis member, said trailer hitch being removable from the vehicle by the loosening of the chassis member engaging clamping faces and the loosening of the bumper engaging clamps.

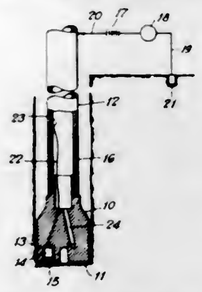
2,575,172
SHEET GRIPPER FOR CYLINDER PRESSES
John J. Isella, North Haven, Conn., assignor, by mesne assignments, to Heisler Machine and Tool Co., Clifton, N. J., a partnership
Application August 4, 1949, Serial No. 108,484
1 Claim. (Cl. 101—412)

A gripper for releasably clamping a sheet of flexible material, such as paperboard, to the surface of the cylinder of a cylinder press of the type equipped with an oscillating gripper shaft on the cylinder extending parallel to the cylinder axis, the gripper comprising, a body member having a hole therethrough for mounting the body member on the gripper shaft, the body member having a prismatic straight guideway therein extending substantially at right angles with respect to the axis of said hole; the body having further a slot therein extending from said guideway into the body substantially normal to the axis of said hole; a gripper arm having a curved finger portion with teeth at one end and having at its other end a substantially straight shank portion of prismatic cross-section fitting said prismatic guideway;



means on said body member for clamping said body member to the gripper shaft; and a bolt extending through the body member substantially parallel to the axis of said hole for drawing together the two portions of the body member separated by said slot to clamp the shank portion of the arm in adjusted position.

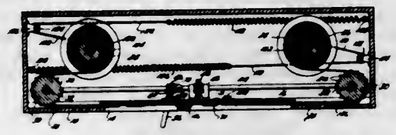
2,575,173
APPARATUS FOR WEAR INDICATING AND LOGGING WHILE DRILLING
Everett A. Johnson, Park Ridge, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 27, 1947, Serial No. 731,242
4 Claims. (Cl. 255—1)



3. An apparatus including a drill bit having cutting edges, a recess in one of said edges, a passage extending from within said bit and in communication with said recess, an insulated conductor extending within said passage and having a terminal exposed within said recess, a separable plug of electrical insulating material electrically sealing the said recess, and an electrical circuit including a current source, a current responsive indicator and said conductor in series, whereby wearing away of the cutting edge to an extent such as to remove the plug from the recess exposes the terminal of the conductor for closing the electrical circuit and producing a signal on said indicator.

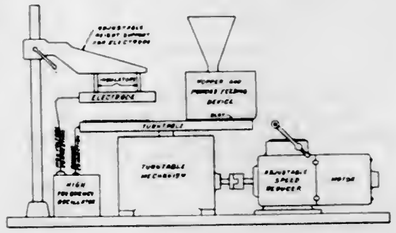
2,575,174
STATION INDICATOR
Benjamin B. Kirby, Kansas City, Mo.
Application June 16, 1947, Serial No. 754,791
4 Claims. (Cl. 40—42)

2. A station indicating device for a vehicle comprising an apertured cabinet adapted to be mounted on said vehicle, a pair of spaced apart driving rollers carried rotatably in said cabinet, a roll of film of insulating material operatively associated with said driving rollers whereby said film is moved before the aperture of said cabinet, means for driving said rollers whereby the speed of said film is synchronized with the speed of said vehicle, an electric alarm circuit including two pairs of terminal contacts connected in parallel, the contacts of each of said pairs being disposed respectively on opposite sides of said



film and resiliently urged together, said film having a pair of apertures therein corresponding with each station indicated thereon, said pair of apertures being disposed respectively on opposite sides of said station indication longitudinally of said film and out of alignment transversely of said film, and adapted by the movement of said film to be brought respectively between said pairs of contacts, thereby permitting engagement of said pairs of contacts, and manually operable means for selectively urging said pairs of contacts out of engagement with said film.

2,575,175
PROCESS OF MAKING PHARMACEUTICAL PREPARATIONS
Eugen Kronisch, New York, N. Y.
Application August 16, 1949, Serial No. 110,551
2 Claims. (Cl. 99—2)



1. The process of preparing a pharmaceutical from beef cattle blood, comprising collecting the blood from a plurality of animals immediately upon slaughter, into containers in which there has been previously introduced a solution of sodium phosphate, sodium citrate and sodium chloride having a pH of substantially 6.9, introducing the blood so collected into larger containers, refrigerating such blood for several hours at approximately 32° F., testing the refrigerated blood for sodium chloride concentration and adjusting it to substantially 0.9% sodium chloride concentration; centrifuging the blood to separate the hemoglobin from the plasma, collecting the plasma and cooling the same and storing it at a temperature approximating 32° F. for approximately 8 hours, subjecting the plasma to ultraviolet treatment, spray drying the plasma to a powder with a moisture content not substantially in excess of one-half of one per cent, and finally subjecting the powder to action of radiation from an electronic field, the wave length of such radiation being substantially 6.10 meter.

2,575,176
WATER TREATING COMPOSITION
John W. Lefforge, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 15, 1947, Serial No. 791,933
10 Claims. (Cl. 252—175)

1. A substantially non-matting water treating composition consisting essentially of a substantially homogeneous mixture of the following materials in the indicated proportions: a water soluble molecularly dehydrated sodium phosphate having a sodium oxide/P_2O_5 molecular ratio of about 1.0 to about 1.3, 80%–96% by weight; a compound selected from the group consisting of sodium carbonate, sodium bicarbonate and sodium percarbonate, 20%–2% by weight; a straight chain aliphatic monohydric alcohol, containing from 6 to 12 carbon atoms, 0.02%–2% by weight.

2,575,177
WATER TREATING COMPOSITION
John W. Lefforge, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 15, 1947, Serial No. 791,934
12 Claims. (Cl. 252—175)

1. A substantially non-matting water treating composition consisting essentially of a substantially homogeneous mixture of the following materials in the indicated proportions: a water soluble molecularly dehydrated sodium phosphate having a sodium oxide/P_2O_5 molecular ratio of about 1.0 to about 1.3, 80%–96% by weight; a compound selected from the group consisting of sodium carbonate, sodium bicarbonate and sodium percarbonate, 20%–2% by weight; a primary aliphatic amine having 6 to 10 carbon atoms, 0.01%–2% by weight.

2,575,178
WATER TREATING COMPOSITION
John W. Lefforge, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 15, 1947, Serial No. 791,935
13 Claims. (Cl. 252—175)

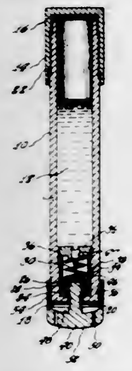
1. A substantially non-matting water treating composition consisting essentially of a substantially homogeneous mixture of the following materials in the indicated proportions: a water soluble molecularly dehydrated sodium phosphate having a sodium oxide/P_2O_5 molecular ratio of from about 1.0 to about 1.3, 80%–96% by weight; a compound selected from the group consisting of sodium carbonate, sodium bicarbonate and sodium percarbonate, 20%–2% by weight; a saturated aliphatic carboxylic acid containing from 6 to 10 carbon atoms per carboxyl group, 0.02%–2% by weight.

2,575,179
WATER TREATING COMPOSITIONS
John W. Lefforge, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 15, 1947, Serial No. 791,936
8 Claims. (Cl. 252—175)

1. A substantially non-matting water treating composition consisting essentially of a substan-

tially homogeneous mixture of the following materials in the indicated proportions: a water soluble molecularly dehydrated sodium phosphate having a sodium oxide/P_2O_5 molecular ratio of about 1.0 to about 1.3, 80%–96% by weight; a compound selected from the group consisting of sodium carbonate, sodium bicarbonate and sodium percarbonate, 20%–2% by weight; an unsaturated aliphatic hydrocarbon selected from the group consisting of "propylene polymer" and octene, 0.02%–2% by weight.

2,575,180
PERFUME CONTAINER WITH VALVED OUTLET OPERATED BY APPLICATOR
Frederick C. Lurz, West Hempstead, N. Y.
Application May 20, 1949, Serial No. 94,273
10 Claims. (Cl. 222—322)

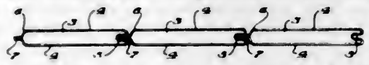


1. A perfume dispenser comprising a receptacle of small diameter which may be carried in a handbag, said receptacle having a dispensing opening at one end thereof, a valve inside of the receptacle for closing said opening, a pressure button, and a stem passing through the dispensing opening in the receptacle and connecting said pressure button with said valve, said pressure button being substantially coextensive in area with the end of the receptacle, having a smooth outer surface for engagement with the skin and having dispensing passages therethrough.

6. A perfume dispenser comprising a receptacle of a small diameter which may be carried in a handbag, a removable cap for closing one end of said receptacle, said receptacle having a dispensing opening at the other end thereof, a valve for closing said opening, a pressure button, a stem passing through the dispensing opening in the receptacle and connecting said pressure button with said valve, a rod carried by the valve extending through the receptacle, and venting means carried by the receptacle and movable by the rod into venting position when the valve is opened by pressure upon the pressure button.

2,575,181
PRECIPITATOR COLLECTING ELECTRODE
Wayne E. Mack, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application July 14, 1948, Serial No. 38,597
6 Claims. (Cl. 183—7)

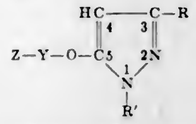
1. A precipitator collecting electrode comprising a sheet of foraminous metal bent to provide a plurality of thicknesses disposed in substantial parallelism with space between adjacent thicknesses, the thicknesses respectively having parts removed from the bent portion of the electrode



extending toward and abutting each other whereby the thicknesses are braced against one another to form a substantially rigid unit.

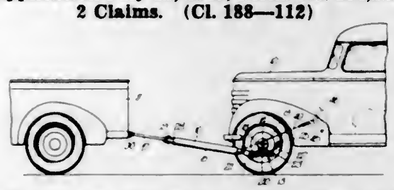
2,575,182
PHOTOGRAPHIC SILVER HALIDE EMULSIONS AND DEVELOPERS CONTAINING 5-ACYLOXYPYRAZOLE COLOR FORMERS
Elmore Louis Martin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 21, 1946, Serial No. 692,143
8 Claims. (Cl. 95—6)

1. A colloid silver halide emulsion having added thereto a color former having the general formula



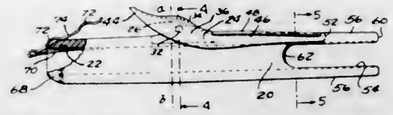
wherein Y is a member taken from the class consisting of carbonyl and sulfonyl radicals, R is a radical taken from the group consisting of methyl, ethyl, isopropyl, phenyl, carboxyphenyl, nitrophenyl, methoxyphenyl, chlorphenyl, benzyl and carbethoxy methyl, and R′ is a radical taken from the group consisting of methyl, propanol-2-sulfonic acid-3, β-sulfoethyl, β-carboxyethyl, phenyl, carboxyphenyl, sulfophenyl chlorophenyl, nitrophenyl, aminophenyl, N-substituted carbamylphenyl, N-substituted sulfamylphenyl, $CH_3OOCNHC_6H_4$—, carboxymethoxyphenyl pyridyl, and benzthiazolyl, and Z—Y— is an acyl radical.

2,575,183
TOW-BAR BRAKE ACTUATOR
Donald Mettetal, Jr., Chicago, Ill.
Application July 12, 1949, Serial No. 104,213
2 Claims. (Cl. 188—112)



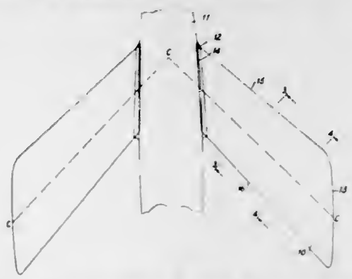
1. In a mechanism for connecting two vehicles whereby one of the vehicles may be towed by the other, a braking device comprising a tubular casing having cap members closing the opposite ends thereof, one of said cap members being provided with a central aperture, a slidable tubular plunger member extending through said aperture, said plunger member being provided on its inner end with a circular end plate having a sliding fit in said tubular casing, a cushioning means between said end plate and the other of said casing cap members, an abutment member on said plunger member, a cushioning means extending between said abutment member and said apertured cap member, a cable member having one end secured to said casing and slidably connected with said plunger, the other end of said cable member being adapted to be secured to a brake operating member on the vehicle being towed, and means at the opposite ends of said braking device for connecting the same to the respective vehicles whereby upon relative movement of the vehicles toward each other said plunger member will move inwardly toward the end of said device against the operation of said cushioning means and said cable will be drawn taut by movement of said plunger member to operate the brake on the vehicle being towed.

2,575,184
CURLER FOR MAKING PIN CURLS
Josephine H. Moses and Edmund Quincy Moses, Scarborough, N. Y.
Application April 21, 1949, Serial No. 88,838
2 Claims. (Cl. 132—33)



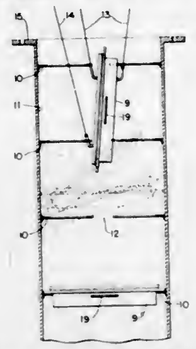
2. A pin curler comprising a mandrel of light unitary construction, the outer end constituting a hand grip portion, and having a wide deep opening extending transversely through the same from the inner end of the mandrel for a substantial distance longitudinally thereof so as to form the inner end of the mandrel into a pair of spaced fork portions, said fork portions having smooth outer surfaces upon which the hair may be curled and from which the curl may be easily slid off longitudinally, said fork portions having smooth rounded edges extending longitudinally of said transverse opening to guide the fingers of the user and facilitate the introduction of the curl holding pin or clip between said fork portions into position to engage a curl surrounding said fork portions, and an elongated clamp pivoted to said mandrel at a point further from the forked end of the mandrel than the end of the transverse opening, said clamp having a clamping section fitting over the smooth surface of one of said fork portions.

2,575,185
AIRFOIL
Frank J. Mulholland, Hempstead, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application February 24, 1950, Serial No. 145,982
2 Claims. (Cl. 244—35)



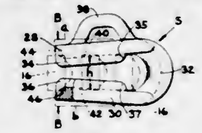
2. An airplane wing having its characteristic line extending rearwardly at an acute angle to the plane of symmetry of the airplane, its leading and trailing edges disposed on opposite sides of said characteristic line and diverging from root to tip, and its thickness increasing dimensionally from root to tip.

2,575,186
CONTACTING APPARATUS
Charles J. Ryant, Jr., Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 16, 1949, Serial No. 133,435
3 Claims. (Cl. 261—114)



1. Contacting apparatus which comprises a vertical cylindrical tower, a plurality of circular fractionating trays each having a diameter slightly smaller than the internal diameter of the tower, a plurality of pairs of horizontally mounted, vertically spaced, arcuate tray-supporting members fixed to the inner wall of said tower, each member extending through an arc of approximately 160–170°, the members of each pair being spaced from each other at each end to form slots of sufficient width to permit passage therethrough of the outer edges of a tray when the tray is in vertical position, the slots between the pairs of arcuate members being vertically aligned and the vertical distance between adjacent pairs of members being at least about three-fifths of the tower diameter and sufficient to permit rotation of trays from a vertical to a horizontal position, the lower peripheral surfaces of each tray resting upon the upper surfaces of the arcuate members to form a fluid seal when the trays are in horizontal position, and risers superimposed by spaced caps carried by each tray for effecting intimate contact of counter-flowing fluids in said tower.

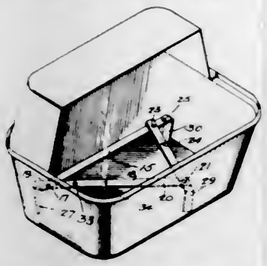
2,575,187
FRICTION SLIDE FASTENER
Jack M. Schaye, Brooklyn, N. Y., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application July 8, 1948, Serial No. 37,678
5 Claims. (Cl. 24—205.14)



1. An article of the character described comprising a tape provided with spaced elements attached to an edge thereof, and a slider mounted on said tape for frictional engagement with the elements, said slider comprising top and bottom wings and inturned flanges, a post connecting said wings at one end thereof, the post and inturned flanges forming a substantially Y-shaped channel, the wings as manufactured being so formed and related that the height of the slider channel

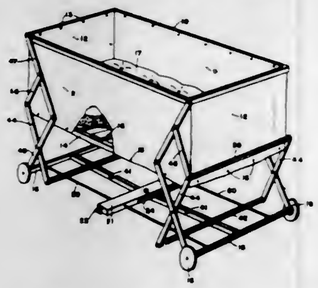
within at least a portion of the stem thereof normally is less than the corresponding dimension of the elements, whereby the wings always will engage adjacent surfaces of the elements with a resilient, compressive force supplied by the resilience of the slider body itself, said height of the slider channel in the aforesaid stem portion thereof being controlled by the post and by the combined resilience of the post and the wings projecting from said post, said force supplying relatively smooth, moderate frictional resistance to movement of the slider independently of the position of a pull and in the absence of cross-pull.

2,575,188
RACK FOR HOLDING ROASTS
Harold J. Schell, Philadelphia, Pa.
Application June 6, 1947, Serial No. 752,939
1 Claim. (Cl. 99—449)



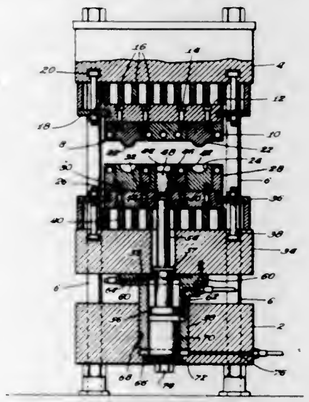
In an adjustable roasting stand, three side bars forming a triangle in extended position of the stand, each having a leg portion extending downwardly at one end of each bar, permanent pivotal interconnection between one end of each of two of the bars and opposite ends of the third bar and readily detachable pin and socket connection between the ends of the first and second bars remote from the permanent pivotal connections, selectively interconnecting the first and second bars at different positions, the first and second bars all folding on the third bar in overlapping relation, and pin and socket connections interconnecting the bars in folded position.

2,575,189
FOLDING CRIB AND STROLLER
Theodore F. Schmidt, Elmhurst, Ill.
Application July 25, 1947, Serial No. 763,721
11 Claims. (Cl. 5—98)



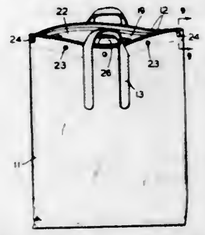
1. A folding crib structure, comprising an upper rectangular marginal frame, a lower mattress supporting frame suspended from the upper frame by flexible sides and ends, a running gear frame below the mattress frame of substantially the same outer dimensions as the upper frame, and a supporting collapsible folding structure at the sides and adjacent the ends of the frames, each comprising a parallelogram supporting means having four pivoted links, three of said links having portions extending beyond the configuration of the parallelogram, one of said extending portions being pivotally connected to a corner of the upper frame, another of said extending portions being pivotally connected to a corresponding axle of the running gear frame, a cross bar fastened to said third extending portion, and means in connection with the bottom frame for engaging said cross bar.

2,575,190
HYDRAULICALLY OPERATED TRANSFER MOLDING PRESS
Robert K. Sedgwick, Oak Park, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 18, 1948, Serial No. 15,533
3 Claims. (Cl. 60—97)



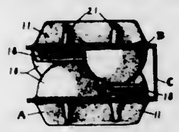
1. In an hydraulic press having a frame, a movable platen with an opening therethrough, and a working element extending through said opening; the combination of a cylinder carried by the frame, a sleeve operatively connected to the platen for actuation thereof, said sleeve having an internal bore of substantially uniform diameter from end to end thereof, the external surface of the sleeve being slidably fitted in the cylinder in substantially fluid-tight engagement therewith, a cylindrical plug carried by the frame and fitted into the bore in substantially fluid-tight engagement with the sleeve, the portion of said bore containing said plug being positively closed thereby at all times against flow of fluid axially of the bore, a piston slidably fitted in said bore in substantially fluid-tight engagement therewith, said piston having an operative connection to said working element for actuation thereof, a fluid inlet port connected to the cylinder between the inner end of the sleeve and the inner end of the cylinder, and a fluid inlet port connected to the bore between the plug and the inner end of the piston, the portion of said bore between the plug and piston being at all times free to flow of fluid in both directions therebetween axially of the bore, and being at all times cut off by said sleeve from fluid communicating with the first mentioned port.

2,575,191
COLLAPSIBLE INSULATED REFRIGERATOR BAG FOR CARRYING ARTICLES TO BE CHILLED
George A. Seipp, Minneapolis, Minn.
Application March 8, 1948, Serial No. 13,571
4 Claims. (Cl. 150—1)



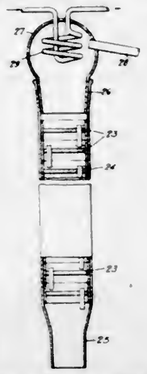
1. A flexible heat insulated container comprising a bag-like shell having a water proof inner storage compartment, said shell having a mouth, a slide fastener adapted to close said mouth, a flap connected with said shell adjacent its mouth and foldable from a position within said shell to a position extending outwardly of said mouth, said flap extending along only a portion of the edge of said mouth, and said slide fastener, when said flap is extended outwardly of said mouth, being shiftable to close that portion of said mouth not occupied by said outwardly extending flap.

2,575,192
ARTICLE PACK
Ernest L. Shepard, Fairfield, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland and William B. Nulty, trustees, both of Portland, Maine
Application February 9, 1948, Serial No. 7,069
2 Claims. (Cl. 229—2.5)



2. A foldable and tearable article pack of molded pulp comprising a pair of spaced carton units each of which has a pocket section contoured to provide individual pockets and a tray-like cover section, said pocket sections being in longitudinal alignment and said cover sections being in longitudinal alignment, said pocket sections being hingedly connected to their respective cover sections along fold lines which are in longitudinal alignment, said pocket sections being connected along their adjacent transverse edges by a strap member of substantial width lying substantially in the plane of said transverse edges and of a length sufficient to extend between the pocket sections when the carton units are overfolded with the bottoms of the pocket sections in juxtaposition, said cover sections being connected along their adjacent transverse edges by a strap member of substantial width and of a developed length as molded greater than that of the strap member connecting the pocket sections and sufficient to extend between the cover sections when the carton units are overfolded, said carton units being shaped so that when the carton units are overfolded, the pocket sections are complementary and the outer surfaces of the cover sections are substantially parallel.

2,575,193
FRACTIONATING APPARATUS
William A. Shire, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 30, 1947, Serial No. 783,025
4 Claims. (Cl. 261—113)



3. Fluid contacting apparatus which comprises a cylindrical shell, a lower cylindrical section and a plurality of upper cylindrical sections slidable within said shell with the lower surface of each upper section bearing on the upper surface on the next adjacent lower section to provide a sealed inner cylindrical shell, a porous plate of bonded grain structure extending across each cylindrical section and sealed to the inner surface thereof, said porous plate being at least about one-eighth inch in thickness, having an average pore size of approximately 50 microns and a void space of about 25 to 50 per cent of the plate volume whereby a labyrinthine passageway is provided through the plate, a conduit extending through said plate and sealed thereto with its upper end terminating above the upper plate surface and its lower end terminating at a level close to but spaced from the next lower plate surface whereby downflowing liquid is retained on each plate up to the upwardly projecting level of the conduit and liquid flows downwardly through the conduit and is discharged therefrom below the level of the liquid maintained on the next subadjacent plate while upwardly flowing fluid passes through the labyrinthine passageways and is uniformly diffused in the body of liquid which is retained on each plate.

2,575,194
MOTOR VEHICLE FRAME ALIGNMENT MEASURING MECHANISM
Roy D. Smith, Pueblo, Colo., assignor to Bee-Line Company, Scott County, Iowa, a copartnership
Substituted for original application September 21, 1945, Serial No. 617,822. Divided and this application March 24, 1947, Serial No. 736,711. In Canada March 10, 1947
2 Claims. (Cl. 33—46)



1. A sighting device to be used as a part of a gauge in checking the form of a motor vehicle

frame and running gear, comprising an elongated bar having adjacent one end a sighting means and toward the other end a pivot member, said sighting means determining a line of sight, a pair of abutments to engage the side frame members of a motor vehicle, said abutments being located on and for sliding movement along said bar upon opposite sides of said pivot member, and means connecting said abutments to said pivot member to insure equal and opposite motion of the abutments when one is moved, said bar having laterally spaced abutment means extending transversely of the bar and adapted to engage a fixed part of the vehicle and hold the bar spaced from said part and parallel thereto, the sighting means on said bar being pivotally connected thereto adjacent one end thereof and being provided with means for determining the angular relation between the axis of the bar and the line of sight of the sighting means.

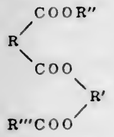
2,575,195

DIBASIC ACID ESTERS AND METHOD FOR PRODUCING THEM

Paul V. Smith, Jr., Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 1, 1948, Serial No. 52,428
8 Claims. (Cl. 260—485)

1. As a new composition of matter a compound of the formula—



where R is an aliphatic hydrocarbon radical containing 2 to 8 carbon atoms in a straight chain between the —COO— groups; where R′ is a radical of the formula $—(CH_2CH_2O)_nCH_2CH_2—$, where n is an integer from 1 to 7; where R″ is an alkyl group containing 1 to 19 carbon atoms; and where R‴ is an alkyl group containing 3 to 7 carbon atoms.

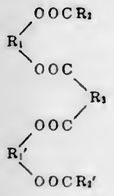
2,575,196

MIXED ESTERS OF POLYHYDRIC ALCOHOLS AND DIBASIC ACIDS

Paul V. Smith, Jr., Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 1, 1948, Serial No. 52,430
7 Claims. (Cl. 260—485)

1. As a new composition of matter a compound of the formula



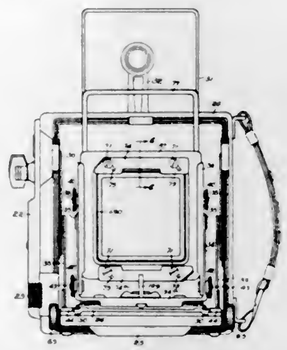
where R_1 and R_1' are radicals of the formula $—(CH_2CH_2X)_nCH_2CH_2—$ in which X is a member of the group consisting of oxygen and sulfur and n is an integer from 1 to 7; where R_2 and R_2' are alkyl groups containing 1 to 7 carbon atoms each; and where R_3 is a radical selected from a group consisting of (1) radicals of the formula $—(CH_2)_m—$ where m is an integer from 4 to 8, (2) radicals of the formula $—(CH_2)_nO(CH_2)_n—$ where n is an integer from 2 to 4, and (3) radicals of the formula $—(CH_2)_pS(CH_2)_p—$ where p is an integer from 2 to 4.

2,575,197

COLLAPSIBLE VIEW FINDER FOR PHOTOGRAPHIC CAMERAS

Oscar Steiner, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware

Application May 1, 1947, Serial No. 745,182
12 Claims. (Cl. 33—64)



9. In a photographic camera having a front standard, a view finder mounted upon said standard, said view finder consisting of upper and lower, open, frame members slidingly collapsible and extensible vertically one into the other, and both slidingly collapsible vertically into the front standard, one of said frame members for the purpose of rendering the view finder collapsible and extensible being provided with an opening at an upwardly extending portion thereof, and the other frame member having a spring provided with a projecting formation adapted, as the view finder is drawn upward into operable position, to enter said opening in the other member, so that in the further setting movement of the view finder for use, the two frame members move as a unit, said lower frame member having a series of openings spaced for parallax correction lengthwise along an upwardly extending portion thereof, and a spring-pressed detent mounted in a horizontal position upon the front standard to engage any one of said openings, according to the distance of the object to be photographed, from the camera.

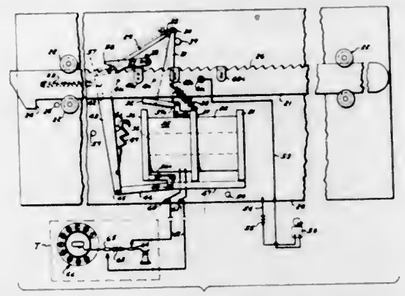
2,575,198

SELECTIVE SIGNAL RECEIVING DEVICE

Harold A. Stickel, San Francisco, Calif.

Application July 22, 1950, Serial No. 175,411
17 Claims. (Cl. 177—353)

4. In a code selective device, the combination of a code plate; means biasing said plate toward a starting position; propelling means for advancing the plate from starting position; retaining means cooperating with said plate and having an operative position for retaining the plate in an advanced position and an inoperative position permitting retrograde movement of the plate; means for moving said retaining means to operative position; blocking means for rendering said propelling means inoperative when the code plate is in a predetermined blocked position; and auxiliary driving means for advancing said plate beyond said blocked position only from another



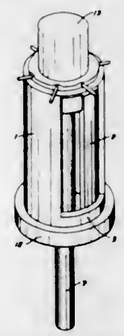
predetermined position of the code plate in advance of said blocked position and for moving said retaining means to inoperative position to free the code plate for retrograde movement when the plate is at a position other than said other predetermined position when the auxiliary driving means is operated.

2,575,199

WIDE-RANGE TUNING DEVICE FOR USE AT ULTRAHIGH FREQUENCIES

Charles A. Stutt, Cambridge, Mass., assignor to Stromberg-Carlson Company, a corporation of New York

Application November 18, 1947, Serial No. 786,728
4 Claims. (Cl. 178—44)



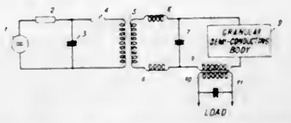
1. A wide-range tuning device for ultra-high frequencies comprising a cylindrical electrically conductive stator member having a pair of diametrically opposed slots extending from one end of the stator to the vicinity of the other end thereof, a cylindrical electrically conductive rotor member having a pair of diametrically opposed slots extending from one end of the rotor to the other end thereof, said rotor being coaxially disposed for operative movement with respect to said stator, at least a portion of one edge of each slot of one of said members being inclined in the direction of the other edge and said other edge of each slot of said one member being substantially parallel to the axis of said rotor, and means for rotating said rotor with respect to said stator.

2,575,200

ULTRAHIGH-FREQUENCY PULSE OSCILLATOR

Stanislas Teszner, Paris, France

Application January 21, 1948, Serial No. 3,650
In France January 28, 1947
10 Claims. (Cl. 250—36)



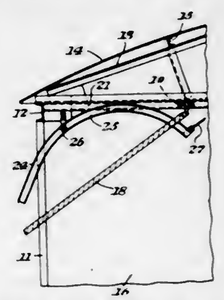
1. An ultra high frequency pulse oscillator comprising, in combination a high voltage periodic pulse source producing pulses with a steep wave front, a resonant circuit including, in series, a condenser, an inductance and a granular semiconducting body and means for causing said condenser to be charged by said pulse source and to be discharged through said inductance in series with said granular semi-conducting body, said granular semi-conducting body being made up of small grains of a semi-conducting material held together by an insulating material and having an electrical resistance decreasing with the increase of a voltage applied thereto, said decrease in said resistance occurring after a very short time interval and persisting for a time much longer than said time interval after the application of said voltage.

2,575,201

CURVED TRACK OVERHEAD DOOR

Jared E. Tillotson, Allison Park, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

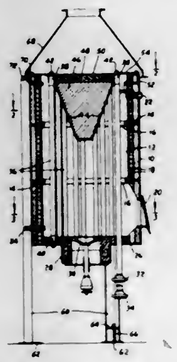
Application January 8, 1946, Serial No. 639,854
5 Claims. (Cl. 20—19)



1. In a tilting-door assembly for wide panel doors or the like supported in a structure and adapted to be in generally vertical position when closed and to be tiltable inwardly and upwardly into generally horizontal position when opened to provide a clear opening, in combination, interengaging means respectively connected to the door adjacent the upper edge thereof and to the structure for guidably supporting said door inwardly upon being opened, a rigid curved track fixed on the outside of said door and bowing outwardly intermediate the sides thereof and spaced laterally relative said interengaging means, said curved track lying in a substantially vertical plane, a depending, laterally projecting member connected to said structure and supportably engaging said track, the engagement of said track and projecting member and said interengaging means defining the position of said door, and

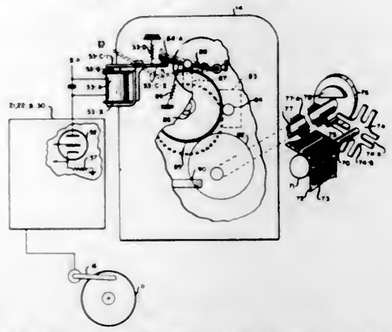
means connected to said door adjacent the upper portion thereof to move said upper portion inwardly upon the opening of said door, whereby wide panel doors or the like receive laterally intermediate support during the opening and closing thereof without requiring any obstruction in the doorway.

2,575,202
PREFABRICATED FURNACE
John S. Wallis and John W. Throckmorton, New York, N. Y., assignors to Petro-Chem Process Company Incorporated, New York, N. Y., a corporation of Delaware
Application November 26, 1948, Serial No. 62,192
3 Claims. (Cl. 122—356)



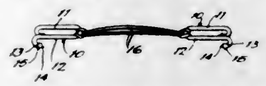
1. A unitary portable furnace adapted to be prefabricated for shipment to the site, comprising concentric vertical cylindrical shells spaced one within the other by interposed layers of insulating material, stiffening bar rings within the inner cylindrical shell and spaced longitudinally thereof, radial bolts tying the outer and inner cylindrical shells together, holding the insulation in place and fastened to the bar rings at their inner ends to unify the structure, a bottom plate with a central opening and a depression to form an annular bottom well, a cylindrical bank of vertical tubes spaced within the inner shell and concentric therewith, return bends attached to the tubes and interconnecting them at their ends to form a continuous fluid heating coil, a concrete bottom filling the annular bottom well and embodying the bottom return bends of the coil so that the coil is solidly supported from the bottom by the concrete, a hollow sheet metal inverted cone filled with concrete and having a large circular disc top plate, the inverted bottom end of the cone and the disc being of such size that the cone fits within the upper ends of the tubes of the coil and the disc overlaps the tubes at the top and is bolted to the upper return bends, angle iron legs welded to the outer wall of the outer shell of the furnace, extending with their upper ends flush with the shell at the top and elongated at the bottom to support the furnace well above the permanent base or floor to which the furnace is adapted to be secured, a conical chimney affixed to the top of the angle iron legs concentric with the furnace at the top and overhanging the furnace shell to form an annular cool air opening into the cone of the chimney, and a central axial burner mounted within the annular bottom well and affixed thereto.

2,575,203
FILM ADVANCING MECHANISM IN A SOUND-PICTURE STRIP PROJECTOR
William F. Wolfner, II, New York, N. Y., assignor, by mesne assignments, of twenty-five per cent to James O. Coit, Jr., and seventy-five per cent to Lawrence A. Wien
Application February 14, 1947, Serial No. 728,427
16 Claims. (Cl. 88—28)



1. A film strip sound and projector system comprising a sound record carrier having a sound record track thereon, and control signals recorded at selected locations on the sound track; a projector for a film strip having mechanism for framing picture areas of the film and for advancing the film; and means responsive to a control signal from the record carrier for operating the projector to advance the film one frame, said means comprising a constantly rotating motor, and a power transmission operative to transmit power from said motor to said film-advancing mechanism, said transmission including an eccentric cam as a driving friction device for coupling and decoupling the motor and the mechanism.

2,575,204
DEVICE FOR RETRACTING FACE SKIN
Adolph M. Brown, Chicago, Ill.
Application December 11, 1948, Serial No. 64,817
4 Claims. (Cl. 128—76)



1. A device for drawing the skin taut over the face comprising a pair of U-shaped wire-like members having their upper ends inturned to be in spaced relation with the U-shaped portion, spurs on each inturned end dimensioned to be of a length between 0.015 and 0.025 inch, and an elastic connection between the U-shaped members.

2,575,205
DEVICE FOR RETRACTING SKIN
Adolph M. Brown, Chicago, Ill.
Application October 6, 1949, Serial No. 119,970
4 Claims. (Cl. 128—76)



1. A retractor for human skin comprising an elongate support, a longitudinally disposed

hanger bar on the underside of the support, a pair of skin anchoring members mounted in longitudinal spaced apart relation on the hanger bar, at least one of said anchoring members being mounted for longitudinal sliding movement between two positions of adjustment, spurs depending from each of said anchoring members in inclined relation toward the other, a compression spring about the hanger bar disposed between the movable member and the outer end of the bar constantly to urge the movable anchoring members toward each other, and means for manually actuating the movable member away from the other.

2,575,206
FACE LIFTING DEVICE
Adolph M. Brown, Chicago, Ill.
Application March 30, 1950, Serial No. 152,842
2 Claims. (Cl. 128—76)



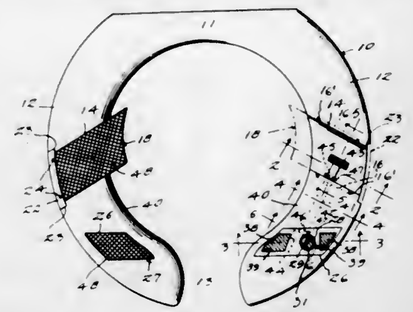
1. In a device for minimizing facial senescense an anchoring member comprising a rigid cross arm, a plurality of rigid bars arranged in spaced parallel relation to the underside of the cross arm and transversely thereof, the underside of the bars having means for minimizing slippage on skin surfaces when in contact therewith, and means on the cross arms for pivotally connecting the anchoring member to a head band.

2,575,207
EXPANSIBLE BRACELET
Carl M. Bryzek, Chicago, Ill., assignor to Cerc Reamer Co., Chicago, Ill., a copartnership
Application September 15, 1949, Serial No. 115,933
1 Claim. (Cl. 63—5)



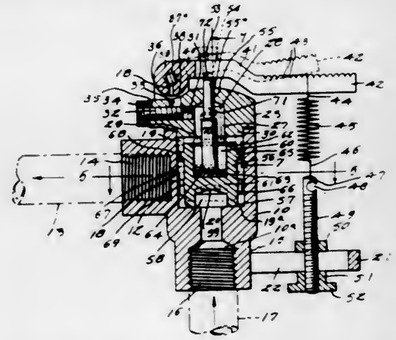
A flexible expansible wrist watch band including a band portion comprising a plurality of open sided links arranged in parallel abutting rows, said rows being offset relative to each other, a resilient wire reversely bent to provide spaced parallelly extending limbs, said limbs being laced transversely through the links for connecting said links in band formation, said limbs in the contracted position being spaced from the ends of said links to provide expansion in a longitudinal direction as well as laterally from said longitudinal direction, said limbs in the contracted position yieldably retaining said links in end abutment with respect to each other, one of the outer rows of links having the wire laced through one edge of the open sided links and reversely bent through the other edge of said links, the links of said outer row being crimped to provide an anchor between the links of said outer row and the adjacent portions of the wire to retain said outer row of links on said limbs, and clips for said band portion having means providing interconnection between the clips and the opposite ends of said band portion, said links cooperating with said limbs for limiting said longitudinal and lateral expansion of the band portion.

2,575,208
TOILET SEAT
Albert Calderon, Atlanta, Ga.
Application April 6, 1948, Serial No. 19,272
3 Claims. (Cl. 4—237)



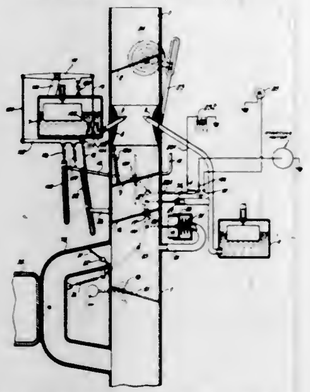
1. A toilet seat including spaced apart sides, horizontally movable seating portions in said sides adapted to move in and out with respect to said sides, a vertically movable actuating portion mounted on each of said sides, resilient means interposed between each of said actuating portions and the related side for constantly urging said actuating portion upwardly, and geared driving means operatively connecting said actuating portions to said horizontally movable portions and adapted to move said latter portions outwardly when said actuating portions are depressed by the weight of a person positioned on the seat.

2,575,209
AIR PILOT VALVE
John L. Cooney, Erie, Pa.
Application January 28, 1946, Serial No. 643,940
3 Claims. (Cl. 251—118)



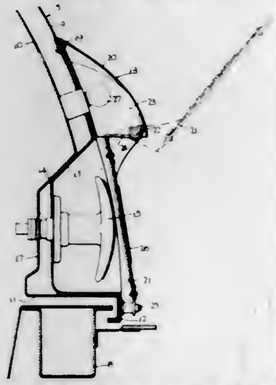
1. An air pilot valve comprising a casing formed with a fluid inlet port at one end thereof, a vent port at the other end thereof, and a fluid outlet port disposed therebetween which is constantly in communication with whichever of said first two ports is open, a valve slidable in said casing closing said fluid inlet port at one end and closing said vent port at the other end of said casing, spring means including a lever on said casing biasing said valve to inlet port closing position, said casing formed with a vent orifice above said valve, and an aperture bearing boss for said lever in alignment with said vent orifice for lubricating said bearing.

2,575,210
ANTIDETONATING DEVICE
George R. Ericson, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application February 3, 1947, Serial No. 726,090
26 Claims. (Cl. 123—127)



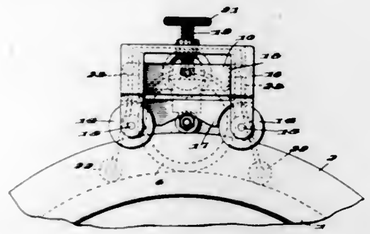
1. In an internal combustion engine having an intake conduit and an exhaust passage, a valve mounted in said intake conduit and a by-pass leading around said valve, said by-pass having a portion heated by said exhaust conduit, said by-pass having a valve therein and heat responsive means for controlling at least one of said valves.

2,575,211
ARRANGEMENT OF TRUNK LOCK AND LICENSE PLATE ON MOTOR VEHICLES
Henry C. Flacke, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1948, Serial No. 42,208
4 Claims. (Cl. 296—1)



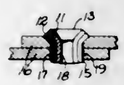
2. In a trunk lid for an automobile body, an outer panel constituting part of the outer body surface, an outwardly open recess formed in said panel at the location of a lock for the lid and adapted for receiving manual actuating means for the lock, a lamp housing secured to said lid along one margin of said recess, and a support for a license plate hinged to said housing so that a license plate on said support closes the recess but is removable from the opening of the recess for giving access to the lock actuating means.

2,575,212
WHEEL GRINDER
Harry G. Foster, Mullens, W. Va.
Application July 2, 1948, Serial No. 36,630
7 Claims. (Cl. 51—179)



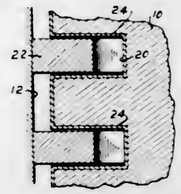
3. A grinder for a car wheel having a tread surface and a flange thereon, comprising a frame having a power driven grinding wheel depending therefrom, means pivotally connected to said frame to support said frame and grinding wheel on the tread of said car wheel, selectively adjustable means on said frame coacting with said last named means to swing said last named means through arcs in a plane perpendicular to the axis of said grinding wheel whereby said grinding wheel may be moved toward or away from said tread, and guide means mounted on said frame and adapted to engage said flange whereby said frame and said grinding wheel are guided as the grinding wheel is moved relative to the circumference of said car wheel tread.

2,575,213
BIMETALLIC FASTENER
Hal Frederick Fruth, Skokie, Ill.
Application January 4, 1946, Serial No. 639,046
4 Claims. (Cl. 85—40)



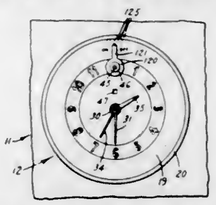
1. A rivet for insertion at an abnormal temperature into an aperture formed in a plurality of superimposed structural members for clamping them rigidly together upon return to a normal temperature condition comprising, in combination, a tubular body including concentric cylindrical bonded layers of metals having appreciably different temperature coefficients of expansion, the first end of said tubular body having a permanent outward flare of greater diameter than the aperture, said body having a longitudinal slot therein, said bonded layers being arranged in such order as to expand radially at temperatures to which the fastener is normally subjected in use, said body having a minor flare at its opposite end said minor flare being of smaller diameter than said aperture in the unexpanded position of said body for insertion through said aperture and for gripping the terminal edge of said aperture upon radial expansion of said body.

2,575,214
PISTON WITH PLATED PISTON RING GROOVES
Daniel L. Garland, Fair Lawn, and Russell D. Gray, Jr., Haworth, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application September 30, 1948, Serial No. 51,912
13 Claims. (Cl. 309—14)



1. A piston having an annular groove for the reception of a piston ring, at least one side wall of said groove having an alloy surface layer with a composition comprising principally nickel and phosphorus.

2,575,215
CLOCK OPERATED SWITCH
Edwin G. Gaynor, Bridgeport, Conn.
Application December 1, 1948, Serial No. 62,870
24 Claims. (Cl. 200—38)



2. In a control means, a timing device, a cam, a drive whereby said cam is given complete revolutions by said timing device, said cam including a radially extending arm having a leading edge and a trailing edge and of decreasing width toward its outer end, a switch, means mounting said switch in the path of movement of the arm of said cam as the latter is revolved, said switch including a pair of contacts of which one is a movable circuit controlling contact, movable means on said switch and engageable and shiftable by the leading edge of said cam arm for shifting said circuit controlling contact relative to the other of said contacts, said means and arm then located for movement of the arm onto the means with a side portion of the arm between its leading and trailing edges engaging said means and maintaining said circuit controlling contact in its shifted position until said shaft carries said cam to a position shifting the trailing edge of cam arm out of engagement with said last mentioned means, said switch mounted for movement to different positions radially of the cam and in the path of movement of said cam arm whereby the movable means on the switch and engageable by the cam arm for shifting said circuit controlling contact relative to the other of said contacts is engageable by a selected portion of the cam arm measured along the length thereof whereby the period during which the cam arm is in engagement with said movable means and maintaining said circuit controlling contact in its shifted position is variable, and friction means for yieldingly securing said switch in any adjusted position.

2,575,216
FERROUS ALLOYS AND ARTICLES MADE THEREFROM
David J. Giles, Latrobe, Pa., assignor to Latrobe Electric Steel Company, Latrobe, Pa., a corporation of Pennsylvania
No Drawing. Application May 25, 1950, Serial No. 164,293
7 Claims. (Cl. 75—123)

1. A water-hardening, abrasion-resisting and shock-resisting steel alloy comprising about 0.85% to 4% carbon, about 0.1% to 0.5% silicon, about 0.2% to 0.7% manganese, less than about 2% chromium, about 2% to 12% vanadium and the balance substantially iron with residual impurities in ordinary amounts, in which alloy the vanadium in excess of about 1% is combined with the carbon in a ratio of about 4.2:1.

2,575,217
FERROUS ALLOYS AND ABRASIVE-RESISTANT ARTICLES MADE THEREFROM
David J. Giles, Latrobe, Pa., assignor to Latrobe Electric Steel Company, Latrobe, Pa., a corporation of Pennsylvania
No Drawing. Application July 28, 1950, Serial No. 176,533
15 Claims. (Cl. 75—123)

1. An abrasion resisting non-deforming steel alloy having carbon in excess of that necessary to give it the desired hardenability characteristic comprising about 1% to 3.75% carbon, about 2% to 13% vanadium, at least one of the group consisting of chromium, tungsten, manganese and molybdenum in individual percentages of manganese .90% to 2.5%, chromium 1.4% to 5%, tungsten 1.75% to 6.5%, molybdenum 1% to 4% and in aggregate percentages in substituted amounts such that the hardening properties produced by the aggregate are substantially equal to the hardening properties produced by any individual member of the group within its individual percentage range, and the balance substantially iron with residual impurities in ordinary amounts in which alloy the concentrations of vanadium and carbon within the given limits are adjusted so that the ratio of vanadium in excess of about 1% to the excess carbon is about 4.2:1.

2,575,218
FERROUS ALLOYS AND ABRASIVE-RESISTANT ARTICLES MADE THEREFROM
David J. Giles, Latrobe, Pa., assignor to Latrobe Electric Steel Company, Latrobe, Pa., a corporation of Pennsylvania
No Drawing. Application October 7, 1950, Serial No. 189,067
17 Claims. (Cl. 75—126)

1. An abrasion - resisting alloy comprising about 2.3% to 2.6% of carbon, about 12.5% to 13.75% of chromium, about 3% to 5% of vanadium, about 0.2% to 0.6% silicon, about 0.25% to 0.6% manganese, and the balance substantially iron with residual impurities in ordinary amounts, in which alloy the vanadium in excess of about 1% is combined with carbon in a ratio of about 4.2:1.

2,575,219
FERROUS ALLOYS AND ABRASIVE-RESISTANT ARTICLES MADE THEREFROM
David J. Giles, Latrobe, Pa., assignor to Latrobe Electric Steel Company, Latrobe, Pa., a corporation of Pennsylvania
No Drawing. Application January 10, 1951, Serial No. 205,441
15 Claims. (Cl. 75—126)

1. An abrasion-resisting alloy comprising about

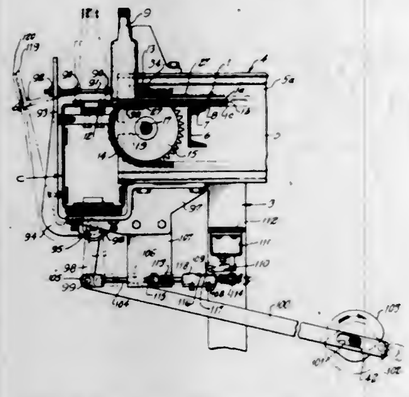
1.65% to 1.95% of carbon, about 4% to 6% of chromium, about 0.1% to 0.7% of silicon, about 0.2% to 0.9% of manganese, about 3% to 5% of vanadium, and the balance substantially iron with residual impurities in ordinary amounts, in which alloy the vanadium in excess of about 1% is combined with carbon in a ratio of about 4.2:1.

2,575,220

APPARATUS FOR TRANSFERRING BOTTLES

Everett O. Hiller, Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware

Application June 19, 1948, Serial No. 33,948
18 Claims. (Cl. 198—32)



1. Apparatus for receiving groups of bottles, jars or the like and for moving them and arranging them in a single file order, comprising a substantially horizontal supporting surface for groups of said articles, a substantially horizontal outgoing conveyor positioned at one end of said supporting surface for cooperation therewith, means to move spaced groups of said articles, each comprising a plurality of transversely extending rows, on the supporting surface so that successive front transverse rows of each group will be moved intermittently in turn over said end of the supporting surface onto said outgoing conveyor, and auxiliary means cooperative with said means to move said spaced groups of articles on the supporting surface to impart a further movement thereto at the conclusion of the movement of the last transverse row of each group from the supporting surface to obviate on the outgoing conveyor gaps between successive rows of articles delivered thereto from successive groups on the supporting surface.

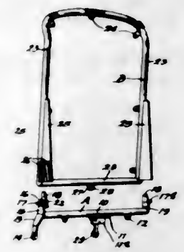
2,575,221

SEAT STRUCTURE WITH REMOVABLE BACK

Kenneth K. Horner, Chicago, and Laurence W. Hiltman, Palos Heights, Ill., assignors, by mesne assignments, to International Furniture Company, a corporation of Illinois

Application January 19, 1946, Serial No. 642,307
2 Claims. (Cl. 155—5)

1. In a seat structure, a frame member having upwardly-turned ends, tapered blocks carried by the upper ends of said frame member, an oblong seat back member of generally tubular structure, web members secured to the lower ends of said seat back member, and spaced members on each of said web members providing a tapered socket adapted to receive said tapered blocks of said



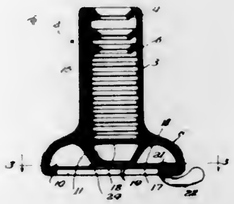
frame member to releasably confine the seat back frame upon said frame member.

2,575,222

FAUCET SPRAY ATTACHMENT

Stanley Isenberg, Chicago, Ill.

Application May 6, 1946, Serial No. 667,607
1 Claim. (Cl. 299—145)



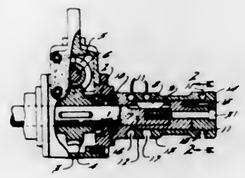
A faucet attachment comprising a rubber casing having a depending outwardly flared annular skirt and a spray plate unit encircled by said skirt, said unit comprising a plate with a large central opening and a plurality of small spray openings surrounding the large central opening, valve means including a sheet metal arm pivoted on the plate adjacent the periphery thereof for sliding movement across the plate and said arm having as an integral part thereof a perforated disc portion adapted to overlie the central plate opening when the arm is in one position and movable to uncover the central opening when the arm is in its alternate position, said disc in its alternate position engaging the annular skirt which limits the extent of movement of the valve disc in one direction, said sheet metal arm having as an integral part thereof a limiting stop projecting therefrom adjacent the pivot of the disc, said stop having an arcuate edge of an arcuate length greater than the width of the arm and centered at the center of the disc and of a radius equal to that of the circular plate so that the entire arcuate edge engages the skirt of the casing when the disc overlies the central opening thus limiting the extent of turning of the disc from its alternate position back to its first mentioned position, said limiting stop when in its stopping position extending from the disc pivot substantially along the periphery of the plate and outside of the region of the spray openings in the plate.

2,575,223

SUPPORTING AND DRIVING STRUCTURE FOR ROTARY TILLING TINES AND THE LIKE

Arthur R. Madill, Detroit, Mich., assignor, by mesne assignments, to Delazon E. Mead, doing business as Mulsifier Implement Company, Detroit, Mich.

Application April 24, 1948, Serial No. 23,055
14 Claims. (Cl. 97—216)



13. A rotary tilling implement adapted to be detachably secured to and rotated by a driven shaft having a keyway slot opening radially outward of the shaft, comprising a quill adapted to telescope over the shaft and said key slot, said quill being provided with a radially opening key slot extending completely through a wall thereof and adapted to be aligned with said shaft key slot, a key within said quill key slot and adapted to extend into said shaft key slot, an inner cross sectional area of said quill key slot being less than an outer cross sectional area of said key whereby said key is prevented from passing completely through said quill key slot in an inward direction, means adapted to secure said quill to the shaft against undesired longitudinal movement relative thereto, means providing a shoulder adjacent one end portion of said quill, a cap adjacent the other end portion of said quill and providing a second shoulder spaced longitudinally of said quill from said first-named shoulder, means detachably securing said cap to said quill, a plurality of soil working tines, each said tine having a surface portion conforming in contour to a surface portion of said quill, a first of said tines being positioned adjacent said first-named shoulder, a second of said tines being positioned adjacent said second shoulder, and means including at least one annular spacer telescopically arranged on said quill for spacing the distance between said first and second tines whereby with said cap secured to said quill said first and second tines will be clamped against said respective shoulders.

2,575,224

THIOPHOSPHATES

Richard H. F. Manske, Robert W. Beattie, and Marshall Kulka, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 17, 1948, Serial No. 39,376
5 Claims. (Cl. 260—461)

1. A method of making an O-alkyl dichlorothiophosphate which comprises refluxing an anhydrous mixture of thiophosphoryl chloride, a lower alkanol and benzene in proportions of from 1.5 to 2.5 moles of said lower alkanol and from 10 to 12 moles of said benzene per mole of thiophosphoryl chloride.

2,575,225

PREPARATION OF O-ALKYL DICHLOROTHIOPHOSPHATES

Richard H. F. Manske and Marshall Kulka, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application September 29, 1948, Serial No. 51,868
4 Claims. (Cl. 260—461)

1. A process of making a compound having the general formula



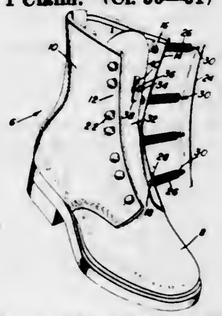
where R is a lower alkyl group which comprises refluxing an anhydrous mixture of thiophosphoryl chloride, a lower alkanol and tertiary butyl chloride as solvent, the relative proportions ranging from 1 to 2.5 moles of said lower alkanol per mole of said thiophosphoryl chloride and from 200 to 1000 cubic centimeters of said tertiary butyl chloride per gram molecular weight of said thiophosphoryl chloride.

2,575,226

RESILIENT SHOE FLAP CONNECTING AND FASTENING MEANS

John W. McHarry, Juniata, Nebr.

Application February 2, 1950, Serial No. 141,990
1 Claim. (Cl. 36—51)



In a structure of the class described, in combination, a shoe having customary closing flaps and an intervening tongue, a plurality of keeper hooks fixedly mounted on one flap at longitudinally spaced points, a keeper strip releasably lodged in said keeper hooks, and a plurality of individual coiled springs bridging the space between the flaps and hingedly attached at corresponding ends to the strip and hingedly anchored at opposite corresponding ends on the other flap, and a turn-button pivotally mounted on said tongue and adapted to bridge the space between said flaps, one end of said turn-button being releasably engageable over said keeper strip to assist in holding the keeper strip in the coacting keeper hooks.

2,575,227

GAUGING DEVICE FOR GLASS CONTAINERS AND THE LIKE

Richard J. Morcom, West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware

Application May 3, 1947, Serial No. 745,702
4 Claims. (Cl. 73—104)

1. An article inspection device comprising a supporting structure, a support member swivelly

mounted on said supporting structure, a gauge plate slideably mounted on said support member, a plurality of movable gauge rods slideably retained by said support member and extending through said gauge plate, article supporting means carried by the supporting structure, means to produce relative motion between said gauge

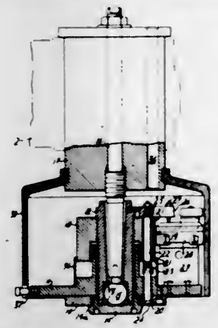
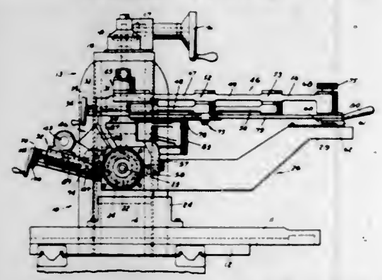


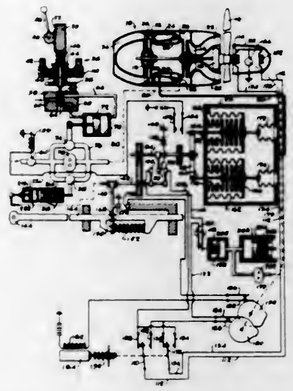
plate and the article supporting means to bring the article supported by the latter into gauging relationship with the gauge plate and related gauge rods, and means secured to said gauge plate and operatively associated with the gauge rods to indicate the presence of a defect in the article being inspected.

2,575,228
WHEEL TRUING DEVICE
Richard F. Moore, Trumbull, Conn., assignor to Moore Special Tool Co. Inc., a corporation of Connecticut
Application February 14, 1946, Serial No. 647,533
3 Claims. (Cl. 51—92)



1. In a grinding machine, a base, a work supporting table, means mounting said work supporting table on the upper side of said base for horizontal adjustments relative to said base, a vertical tool post extending higher than said base and work table and located at the rear edge of the latter, a wheel head mounted on said post and overhanging said table and vertically adjustable on the post toward and from said table, a rotatable grinding wheel on and adjustable with said wheel head, a wheel dressing means comprising a hardened steel crushing roller and a dressing tool, means connected with and operable to feed said crushing roller to and from crushing engagement with said grinding wheel, power means connected to drive said crushing roller, a stylus, a template mounted on said wheel head for adjustment therewith and located to be traced by said stylus, a pantograph means mounting and connecting the stylus and tool whereby rectilinear movements of the stylus along the working face of said template are duplicated by the tool along the face of said grinding wheel but on a reduced scale to finish dress said wheel, and means mounting said wheel dressing means on said wheel head for simultaneous adjustment therewith whereby said wheel dressing means remain in the same relation to the wheel on adjustment of said wheel head and may be selectively and independently moved to dress the wheel in any position of the latter and the latter may be dressed by said tool and thus used to dress said crushing roller all without disturbing any adjustment of the wheel head.

2,575,229
GAS TURBINE CONTROL SYSTEM
Vincent Moore, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation
Application September 28, 1948, Serial No. 700,029
20 Claims. (Cl. 170—135.72)



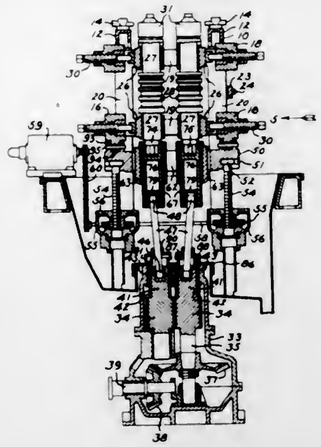
17. A control system for a gas turbine power plant having means operable for varying its power output; said system comprising means responsive to the magnitude of turbine temperature; means responsive to the rate of change of said temperature; motor means for operating said power varying means; and means controlled by both said responsive means for controlling the operation of said motor means.

2,575,230
ELECTRICALLY NOISELESS PROGRESSIVE CONTACT MEANS
Raymond P. Mork, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application July 3, 1948, Serial No. 36,886
13 Claims. (Cl. 201—62)



1. A variable resistance device comprising in combination a resistance element, a contact unit comprising a resilient, flexible metallic strip having an elastically deformable, electrically conductive layer disposed upon a surface thereof adjacent said element, and means operative upon said member for forcing successive portions of said layer into contact with said element.

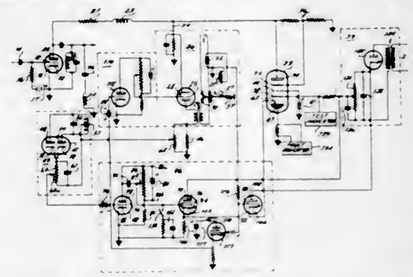
2,575,231
VERTICAL ROLLING MILL
Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application March 27, 1946, Serial No. 657,486
8 Claims. (Cl. 80—31.1)



1. A vertical rolling mill comprising a main housing, a roll housing removably mounted in the main housing, a pair of vertical rolls in the roll housing and each having upper and lower necks, upper and lower roll neck bearings mounted in the roll housing to support the said necks and adjustable horizontally to and from one another, a coupling bearing carrier, means mounting said bearing carrier on the main housing in a position beneath the roll housing, said carrier being centrally apertured to provide a guideway which extends horizontally in the direction of roll neck bearing adjustment, a pair of coupling bearings mounted in the carrier beneath the respective rolls and slidable horizontally along the guideway, a coupling element mounted within each coupling bearing and supported thereby for rotation about a vertical axis, means detachably connecting the upper ends of the coupling elements to the lower ends of the rolls to drive the same, a pair of intermeshing vertical pinions located beneath the coupling elements, and a pair of upright spindles universally connected at their lower ends to the respective pinions and at their upper ends to the respective coupling elements.

2,575,232
ELECTRON TUBE PROTECTIVE SYSTEM
William N. Parker, Lancaster, and Merle V. Hoover, Mountville, Pa., and Harold C. Vance, Maplewood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 9, 1950, Serial No. 148,688
16 Claims. (Cl. 315—349)

1. A fault-detecting circuit for an electron tube connected to amplify alternating voltages, said circuit comprising a first voltage generating means in circuit with said tube for generating a first unidirectional voltage in response to current flow through said tube, a second voltage generating means coupled to said tube to generate a second unidirectional voltage proportional in magnitude to the alternating output voltage of said tube, and means to combine said first and said second unidirectional voltages in polarity opposition to provide a fault-indicating voltage of



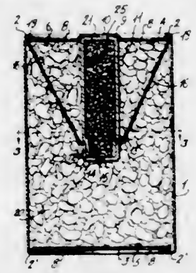
magnitude dependent on the relative magnitudes of said first and second voltages.

2,575,233
EXHAUST MUFFLER WITH CONICAL BAFFLE PLATES
Gustave Plasse, Nice, France
Application October 22, 1947, Serial No. 781,354
In France December 10, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires December 10, 1958
1 Claim. (Cl. 181—70)



An exhaust muffler for internal combustion engines comprising an expansion pipe, conical baffle plates opening towards the inlet and outlet respectively and at least one intermediary double cone baffle plate, the bases of the cones of which are in unrestrictedly open contacting relationship and engage through their outer periphery the inside of the expansion pipe wall, the different baffle plates being provided with a plurality of series of slots lying at short distances from one another along substantially helical lines.

2,575,234
DEHUMIDIFIER
Austin T. Race, Jr., Winter Haven, Fla.
Application February 26, 1951, Serial No. 212,777
3 Claims. (Cl. 183—4.4)



2. Dehumidifier comprising, a drum-like body of form retaining, heat resisting material, top and bottom disks each formed with a plurality of spaced ports, the top disk formed with a central port surrounded by an outwardly depressed seat, a vial having a transparent bottom said vial adapted to be positioned within the drum

with its bottom in said seat, said vial formed with a threaded neck, a threaded cap closure for the vial having a port, a bridge member having a central orifice to receive the neck end of the vial and oppositely extending arms having their ends engaging the marginal edge of the top disk to secure said vial to said disk, screen disks positioned within the drum against the inner faces of the top and bottom disks to mask the ports in said disks, said vial filled with a comminuted moisture sensitive indicating material, and said drum filled with a comminuted water absorbent material surrounding said vial, the marginal edges of said drum being turned inwardly to permanently secure said parts in assembled relationship.

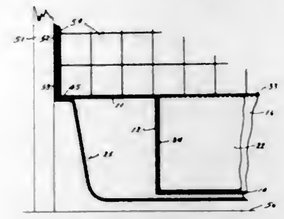
2,575,235
VEGETABLE GATHERER
Louis D. Rounds and Nemi A. White, Toledo, Ohio
Application September 30, 1948, Serial No. 51,944
1 Claim. (Cl. 56—327)



In a device for picking up potatoes, a hollow handle, a shaft rotatably mounted in said handle, manually-operable means connected to said handle for rotating said handle, a plug connected to one end of said shaft, a pair of spaced, opposed arms secured to said plug, a screen arranged at right angles with respect to said arms and secured to the latter, a door operatively connected to one of said arms and mounted for swinging movement about the latter above the screen, means for operatively connecting said door to said handle, said last-named means comprising a first link having one end secured to said handle, a second link having one end pivotally connected to the other end of said first link and its other end pivotally connected to said door, means on said screen for holding potatoes on the latter, and an arcuate potato guiding strap carried by said door.

2,575,236
BATHTUB PROTECTIVE COVERING
William H. Slawson, Buffalo, N. Y., assignor to Frank M. Wilson, Buffalo, N. Y., and Paul H. Thomas, Hamburg, N. Y.
Application July 8, 1949, Serial No. 103,663
5 Claims. (Cl. 4—173)

1. A protective cover for bathtubs made from a single piece of flat stiff material for folding in box-like form on predetermined scored lines when used, comprising a flat bottom extending over a portion of the bottom of the bathtub in non-conforming relation thereto and supported thereby only at several points of contact, a flat end wall rising from each end of said bottom at substantially right angles thereto and each spaced from one of the curved and sloping end walls of the bathtub, a flat horizontal cover portion extending outwardly from the upper edge of each end wall toward and supported only by



said end wall and the upper rim of the tub, a flat front wall and a flat rear wall rising from the longitudinal edges of said flat bottom in spaced non-conforming relation to the interior surface of the bathtub, a flat front ledge extending horizontally from the upper edge of said front wall, and a flat rear ledge extending horizontally from the upper edge of said rear wall, said front and rear ledges being supported only by said front and rear walls and the front and rear ledges of the tub.

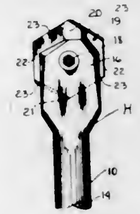
2,575,237
MULTISTAGE BLADED ROTOR
Ferdinand P. Sollinger, Paterson, and Martin M. Holben, Ridgewood, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application April 10, 1947, Serial No. 740,576
15 Claims. (Cl. 230—122)

1. In a composite rotor; a plurality of co-axial annular members disposed in side-by-side relation to form a hollow drum; a pair of shaft coaxial with and extending from opposite ends of said drum, each of said shafts having an outwardly flaring frusto-conical portion extending into its associated end of said drum with the inner end of each said frusto-conical portion extending between a pair of said members adjacent to, but spaced from, its respective end of said drum; an annular flange disposed on and about each of said shafts; and a pair of inturned annular flanges on said hollow drum, one at each end of said drum, each of said shaft flanges having an annular internal surface engaging an annular external surface on the drum flange at its respective end of said drum.

2,575,238
TREATMENT OF CAUSTIC SODA CELL LIQUOR
Vernon A. Stenger, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application August 2, 1948, Serial No. 42,139
5 Claims. (Cl. 23—184)

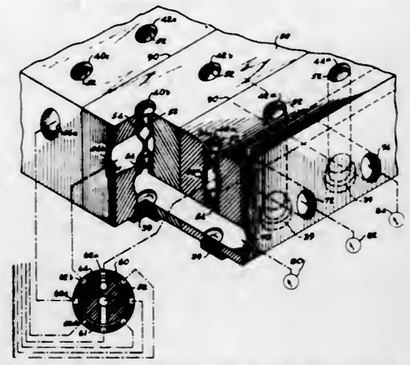
1. The method of producing an uncolored concentrated caustic soda liquor by evaporation of water from caustic soda diaphragm cell effluent containing not over 25 per cent of NaOH by weight and an alkali metal sulfate in a concentration of about 0.1 to 0.4 per cent in terms of SO_4, which comprises adding to the cell effluent in aqueous solution a soluble barium compound selected from the group consisting of barium oxide, barium hydroxide, and barium chloride, in amount sufficient to precipitate the sulfate as barium sulfate and produce a barium ion concentration of 0.1 gram to 0.4 gram per 100 grams of effluent, separating the resulting precipitate from the so-treated cell effluent, and concentrating the separated cell effluent beyond 25 per cent of NaOH by weight.

2,575,239
REVERSIBLE BIT AND HOLDER THEREFOR
Robert J. Stephens, Montgomery, W. Va., assignor to Marathon Coal Bit Company, Inc., Montgomery, W. Va., a corporation of West Virginia
Application June 13, 1950, Serial No. 167,729
1 Claim. (Cl. 255—61)



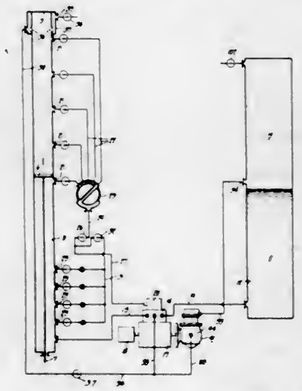
A tool of the class described comprising a shank, a holder integral with the shank at one end thereof and providing opposite its integral connection with the shank a transversely extending slot opening at the opposite side edge portions of the holder and at the end thereof in a longitudinal direction with respect to the long axis of the shank, the base of said slot being substantially triangular in cross section throughout the entire width of the holder, a bit having oppositely disposed aligned cutting heads, either of which cutting heads being insertable in the said slot and each being triangular in plan view to conform to the shape of the base of said slot, and means for detachably connecting the bit in an adjusted position within said slot with one of the heads thereof projecting into the base of said slot, said connecting means comprising a clamping screw threaded into said holder and projecting through an elongated slot formed in the bit, said slot extending in a direction longitudinally with respect to the long axis of the shank whereby said bit may be adjusted longitudinally with respect to said shank.

2,575,240
VALVE CONSTRUCTION
Richard A. Thompson, West Caldwell, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application September 30, 1948, Serial No. 51,911
3 Claims. (Cl. 137—144)



1. A system for measuring a first group of fluid pressures and a second group of fluid pressures; said system comprising a first plurality of passageways for said first group of fluid pressures; a second group of passageways for said second group of fluid pressures; a plurality of tubes of rubber-like material, each forming at least a portion of one of said passageways, respectively; inlet passages, each communicating with the exterior of the rubber tubes of each group of passageways; outlet passages, each communicating with one passageway of each group; and means communicating with said inlet passages for selectively applying a pressure fluid to said inlet passages to compress the corresponding tubes.

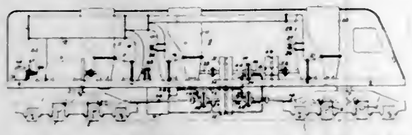
2,575,241
HYDRAULIC PUMPING JACK
Ira Morgan White, Berkeley, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Application September 6, 1949, Serial No. 114,180
14 Claims. (Cl. 60—51)



9. A hydraulic pumping jack comprising a jack cylinder, a jack piston reciprocable in said cylinder, a balancing tank for containing oil and air, mechanism for transferring oil between said tank and said cylinder to reciprocate said piston,

and a single pump communicating with the atmosphere and with said transferring mechanism for simultaneously supplying said balancing tank with oil and air.

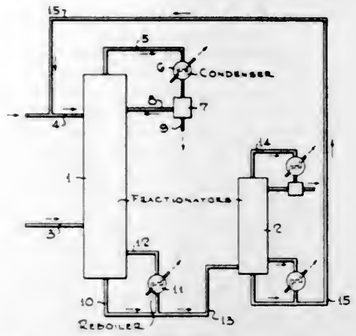
2,575,242
GAS TURBINE LOCOMOTIVE
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 11, 1944, Serial No. 535,110
3 Claims. (Cl. 105—62)



1. In a wheel supported vehicle embodying separate axles adapted to be reversibly rotated for propelling the vehicle either forward or rearward, a power plant and a power transmitting means for rotating said axles in either direction and for braking the vehicle to zero speed comprising first and second separate hydraulic clutches having fluid impelling and driven elements with their driven elements operatively connected with separate axles, a first turbine for forward propulsion, a first reduction gearing establishing a continuous positive driving connection between said first turbine and the fluid impelling elements of both of said clutches, a second turbine for rearward propulsion, a third hydraulic clutch having fluid impelling and driven elements, at least said third clutch being conditionable to render it effective or ineffective to transmit power irrespective of the relative speed of its elements, a continuous positive driving connection between the fluid driven element of said third clutch and a low speed gear of said first gearing, a second high ratio reduction gearing establishing a continuous positive driving connection between said second turbine and the fluid impelling element of said third clutch, said second turbine, second gearing and third clutch being operative, when said third clutch is effective, to rotate said first gearing and first turbine in a direction opposite to that effected by the admission of motive fluid to said first turbine, means for supplying fluid to said clutches, a source of elastic motive fluid for said turbines, first means operable at will for admitting and cutting off admission of motive fluid from said source to said first turbine, second means operable at will for admitting and cutting off admission of motive fluid from said source to said second turbine, and means operable at will irrespective of the speeds of said turbines to condition at least said third clutch to render it effective or ineffective to transmit power.

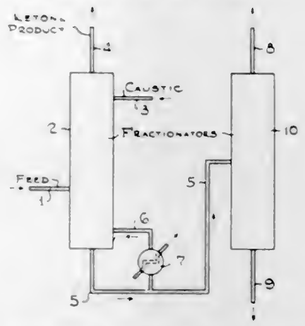
2,575,243
EXTRACTIVE DISTILLATION OF ALCOHOLS
Carl S. Carlson, Elizabeth, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 27, 1948, Serial No. 23,508
12 Claims. (Cl. 202—39.5)

1. The method of separating C_3 to C_5 saturated monohydric alcohols having normal boiling points above that of isopropanol and which form close-boiling mixtures difficult to separate by ordinary fractional distillation, which comprises continuously introducing a feed mixture of said alcohols to a fractional distillation zone wherein vapors of said alcohols ascend countercurrently to liquid reflux of the alcohols dissolved in 70–99 volume percent of a glycol ether-ester to effect vaporization of the lower molecular weight



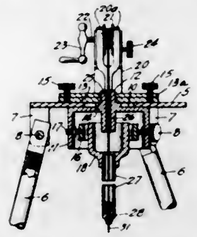
alcohols continuously removing vapor of the lower molecular weight alcohols overhead from the fractional distillation zone, and removing a solution of the higher molecular weight alcohols in the glycol ether-ester as bottoms.

2,575,244
PROCESS FOR SEPARATING KETONES FROM CLOSE-BOILING MIXTURES
Carl S. Carlson, Elizabeth, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 8, 1948, Serial No. 48,224
10 Claims. (Cl. 202—39.5)



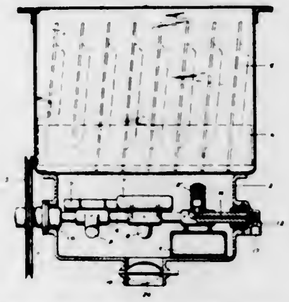
1. The method of separating a ketone from a mixture of ketone, aldehyde, alcohol, and ester components difficult to separate by ordinary fractional distillation and which boil in the boiling range of aqueous C_1 to C_5 alcohols, which comprises introducing the mixture into a fractional distillation zone, introducing sufficient aqueous alkali solution into the fractional distillation zone at a point substantially above the feed point of the mixture to maintain an internal liquid reflux having a water content of 50 mol per cent to 75 mol per cent below the point of addition of the aqueous alkali and to maintain a pH of 7.1 to 12.5 in the fractional distillation zone during the distillation, distilling from said feed mixture a vaporous mixture which flows countercurrent to the aqueous alkali reflux, and withdrawing overhead from said fractional distillation zone a vapor product of the ketone substantially freed of the aldehyde, alcohol and ester components.

2,575,245
ENGINEER'S POINT FINDER
Evert W. Carlson and Vernon J. Flink, Cambridge, Minn.
Application June 16, 1948, Serial No. 33,317
2 Claims. (Cl. 33—74)



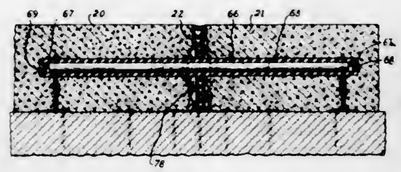
2. In an engineer's point locator, an upright stand having a table at its top, a portion of said table being substantially horizontally shiftable, a plumb line guide carried by said shiftable table portion, said plumb line guide having an aperture extending throughout its entire length to accommodate a plumb line therein, a reel on said shiftable table co-operating with said plumb line guide and upon which a plumb line is adapted to be wound, and said reel having releasable locking means thereon to hold said plumb line in various extended positions.

2,575,246
MEANS FOR CONTROLLING THE LEVEL OF LIQUID IN DISHWASHING MACHINES
Sven Börje Fredrik Carlstedt, Stockholm, Sweden
Application August 24, 1948, Serial No. 45,808
In Sweden December 6, 1946
6 Claims. (Cl. 134—57)



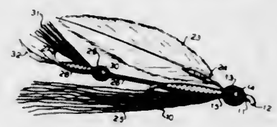
1. A washing machine having an upper chamber for receiving articles to be washed, a lower chamber communicating with said upper chamber, an inlet for washing liquid connected to said lower chamber, a shaft in said lower chamber carrying impelling members to circulate the liquid from the lower to the upper chamber, an electric motor for rotating said shaft, said motor being of the variable speed type varying in speed in accordance with the load on said impelling members determined by the amount of liquid in said lower chamber, rotatably mounted control means mounted to turn at a speed proportional to the speed of said shaft, said means including a valve in said inlet for closing the inlet when said shaft is at rest and to open the inlet in response to centrifugal force acting on said means when the motor is started and said impelling members are rotated in the absence of load from liquid in said lower chamber, said control means being constructed to cause said valve to progressively throttle said inlet as liquid is supplied to said lower chamber with consequent increase in load on said impelling members and motor and reduction in speed thereof, until the inlet is closed upon reaching a liquid level in said lower chamber productive of a predetermined load and speed of said impellers and said motor.

2,575,247
SEALED JOINT FOR CONCRETE SLAB ROAD PAVEMENT
John E. Carter, Columbus, Ohio
Application May 18, 1946, Serial No. 670,791
8 Claims. (Cl. 94—18)



2. In a jointed road pavement construction, a sealing joint assembly comprising an elastomeric sealing strip disposed edgewise in said pavement construction, said sealing strip being formed with a plurality of internal horizontally disposed channels and having a transversely enlarged upper portion, also internally channeled horizontally, forming abutments extending longitudinally along the sides of said strip near the upper edges thereof, dowel openings formed through the strip, means for sealing any of the internal channels that are opened by the dowel apertures, and a corrugated side plate adjacent one of the sides of said sealing strip and having its upper edge in engagement with one of said abutments.

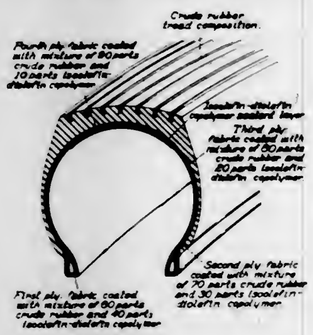
2,575,248
FISH LURE
Verdelle Clark, Presque Isle, Maine
Application October 28, 1946, Serial No. 706,275
1 Claim. (Cl. 43—42.25)



A fish lure comprising a first hook having a shank with a barb at one end thereof and means for attaching a line to the other end thereof, a second hook having its shank arranged substantially in alignment with and connected to the shank of the first hook and having a barb at its free end extending in an opposite direction from the barb of the first hook, a first winding on each hook extending from the barb end thereof toward the leading end and terminating short of the leading end of the shank thereof, a second winding extending from the leading end of each of said first windings and wrapped around the shank to form an enlarged head, elements simulating eyes provided on each of said second windings and coatings on said second windings over said eyes, said coatings over said eyes being transparent whereby the eyes have the appearance of depth, and means extending from the leading end of the first windings of each hook rearwardly toward and over the barb end of the second hook

whereby the barb of the second hook is only partially visible, said means constituting a wing simulating device having widely spaced edges, said wing simulating device of said second hook extending upwardly and rearwardly from its leading end over the barb of said second hook and having its outer end in substantial curved alignment with one edge of the wing simulating device of the first hook whereby in plan view the lure has the appearance of a single bug with continuous upper wings and in side view the appearance of two bugs, each bug having independent wings.

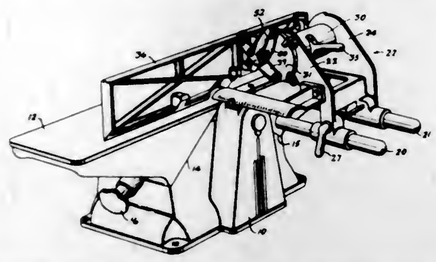
2,575,249
PNEUMATIC RUBBERY ARTICLE AND METHOD OF MAKING SAME
Balfour Y. Connell, Cuyahoga Falls, Ohio, and Ward E. Fisher, Seymour, Conn., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 20, 1948, Serial No. 61,298
5 Claims. (Cl. 154—139)



1. The method of making a pneumatic article resistant to air diffusion, which method comprises forming a plurality of plies of vulcanizable composition comprising 100 parts by weight of a mixture of rubber materials consisting of 60 to 90 parts by weight of unvulcanized vulcanizable crude rubber and 10 to 40 parts by weight of an unvulcanized vulcanizable rubbery copolymer of from 80 to 99½ parts by weight of an isoolefin having from 4 to 7 carbon atoms with from one-half to 20 parts by weight of an open-chain conjugated diolefin having from 4 to 8 carbon atoms, and a vulcanizing agent for said rubber materials, each successive ply having a higher percentage of crude rubber therein than the preceding ply, assembling said plies in face-to-face abutting relation with each succeeding ply outwardly from the inner ply having a higher percentage of crude rubber therein than the preceding ply, and thereafter vulcanizing the assembly.

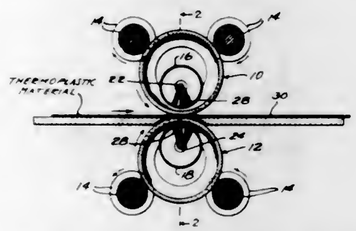
2,575,250
WOODWORKING TOOL FENCE SUPPORTING STRUCTURE
William Copp, Guelph, Ontario, Canada, assignor to Callender Foundry & Manufacturing Co., Limited, Guelph, Ontario, Canada, a corporation of Canada
Application October 16, 1948, Serial No. 54,909
6 Claims. (Cl. 144—253)

1. In a machine tool having a table, means to tiltably mount a fence on the table comprising a fence supporting fixture secured to the table, a control member mounted on the fixture for rotation about an axis parallel to the table, a pair of links connecting the fence to the control member, one link having an end connected to the upper part of the fence and the other end connected to the lower part of the control member, the other link having an end connected to the lower part of the fence and the other end connected to the upper part of the control member, the said links thereby crossing each other, and guide means



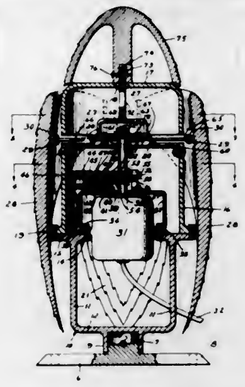
secured to the fixture, each link having an arcuate cam-profile slidably supported by the guide means for all the relative positions of the links produced by rotation of the control member, the said cam-profiles intersecting and the guide means defining the point of intersection whereby when the control member is rotated the fence is tilted in a path predetermined by the configuration of the said cam-profiles with respect to the locations of the connections of the links to the control member and the location of the guide means.

2,575,251
METHOD OF WELDING BODIES
Orlan M. Arnold, Troy, N. Y.
Application September 9, 1943, Serial No. 501,707
4 Claims. (Cl. 154—126.5)



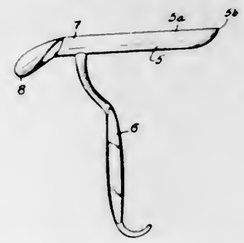
1. The method of welding bodies of different composition, each of which embodies in its substance molecular units responsive to alternating electrostatic fields, those of said units adjacent the surface of said bodies having an anomalous dispersion range the center frequency of which is different from the center frequency of the corresponding anomalous dispersion range of similar units in the interior of the respective body, which method comprises exposing said bodies, while their surfaces are substantially in contact, to an alternating electrostatic field having one frequency near the center of the range of anomalous dispersion for molecular units at the surface of one of said bodies under the conditions of welding and another frequency near the center of the range of anomalous dispersion for molecular units at the surface of the other body under the conditions of welding.

2,575,252
DEVICE FOR SCARING BIRDS
Hays L. Berger, Washington, D. C., assignor to Veleita M. Berger, Washington, D. C.
Application July 7, 1947, Serial No. 759,316
2 Claims. (Cl. 46—124)



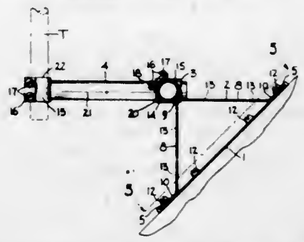
1. A device simulating a bird of prey for scaring birds, comprising a housing, wings pivotally connected with the housing and adapted to swing horizontally from closed to open positions, an oscillating shaft mounted within the housing, a cross member mounted upon the oscillating shaft, rigid links pivotally connecting the cross member with the wings, a second cross member disposed above the first named cross member and mounted upon the oscillating shaft, a yoke connected with the second named cross member for oscillation therewith and projecting above the housing, a head disposed above the housing and connected with the yoke, said cross members being provided with adjustment openings whereby the links and yoke may be adjusted on said cross members to vary the degree of motion of said wings and said head, and means including an electric motor disposed within the housing for driving the oscillating shaft.

2,575,253
VAGINAL SPECULUM
Joseph F. Bicek, St. Paul, Minn.
Application May 16, 1949, Serial No. 93,589
2 Claims. (Cl. 128—3)



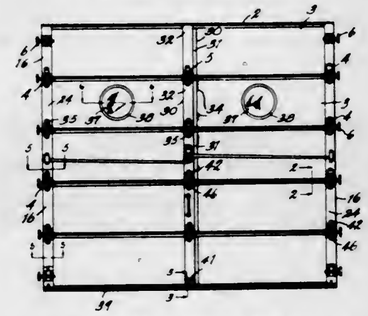
1. A vaginal speculum comprising, a blade having an elongated concave upper surface, a handle depending from said blade near an end thereof, said blade and handle having longitudinal axes disposed in a common plane and a delivery spout extending in continuation of said end of the blade rearwardly beyond said handle from the blade and to one side of said plane whereby tissues may be discharged from said spout into a receptacle positioned laterally of said plane and handle. erally and rearwardly of said blade and handle.

2,575,254
UNIVERSAL MOUNTING ANTENNA CLAMP
Marvin J. Blaugrund, Shaker Heights, Ohio
Application April 1, 1949, Serial No. 84,965
9 Claims. (Cl. 248—43)



1. A mounting clamp for antennae or the like, comprising a member adapted for attachment to a mounting surface, a clamping sleeve provided on said member, a clamping bar rotatably mounted in said clamping sleeve and axially slidable therein, and a clamping sleeve integrated with said clamping bar, said second-named clamping sleeve being disposed in a position normal to the position of said first-named clamping sleeve.

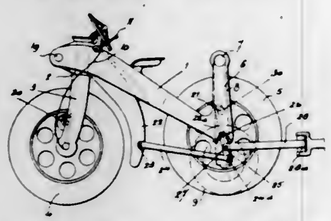
2,575,255
SECTIONAL VERTICAL ACTING DOOR
Herbert C. Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.
Application September 19, 1947, Serial No. 775,023
4 Claims. (Cl. 160—229)



1. Door construction for the sections of a horizontally hinged sectional door comprising end and intermediate stile elements of sheet metal material having narrow outer flanges and wide inner flanges connected by web sections, the upper ends of said stile elements being notched from the outside, the lower ends of said stile elements being notched from the inside, said notches extending over one half the thickness of said stile elements, an outer panel of folded sheet metal construction having a flat body lapped upon the outer flanges of said stile elements and terminating in an upper rail flange lapped upon the upper ends of said stile elements, said upper rail having an outwardly opening rebate nesting within said upper notches in said stile elements, a lower rail terminal flange folded from said panel and having an inwardly opening rebate

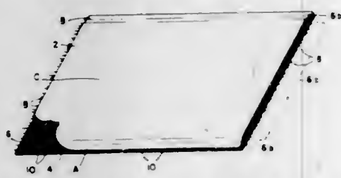
nesting within said lower notches in said stile elements, said panel being welded to said outer flanges of said stile elements with the web sections of the end stile elements flush with the end edges of the panel, and fixtures for connecting said door sections to adjacent sections of the door secured thereto by bolts passed through said inner flanges of said stile elements, the abutting portions of said rail and stile elements being welded together.

2,575,256
MULTIPLE MOTORS FOR VEHICLES AND CONTROL THEREOF
Emile Bobard, Beaune, France
Application April 19, 1945, Serial No. 589,115
In France June 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 3, 1962
11 Claims. (Cl. 180—54)



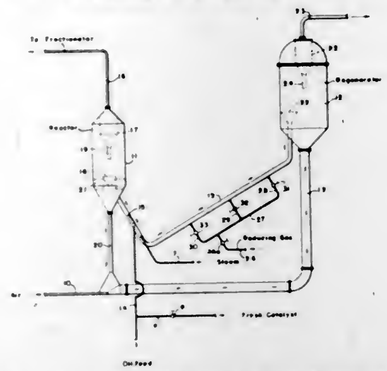
1. In a vehicle, a chassis, at least two wheels, an internal combustion engine provided on the inside of each of at least two of said wheels, a throttle for each engine, a driving gear coaxial with at least one of the said wheels, means mounting the engine of the said wheel to enable oscillation with respect to the axis of the wheel in a longitudinal plane, a pinion which is driven by the said engine and is constantly in mesh with the driving gear, and means to transform the oscillation motion of the engine around the axis of the wheel into a shifting of the throttle of that engine.

2,575,257
ADHESIVE LAMINATED PAPER AND BOX STAY TAPE
James E. Boulware, Attleboro Falls, Mass., assignor to American Reenforced Paper Company, Attleboro, Mass., a corporation of Massachusetts
Application July 26, 1948, Serial No. 40,648
4 Claims. (Cl. 154—53.5)



1. As an article of manufacture a multiply sheet composed of superposed layers at least one of which is of paper compressed together and secured by an interposed layer of adhesive having reenforcing fibers embedded therein, the adhesive layer being substantially thinner at and adjacent the lateral edges of the sheet than throughout the remaining body portion thereof, the said lateral edges presenting cut fiber ends and being more highly compressed than the body portion so that the edges are securely bonded against delamination.

2,575,258
REGENERATING AN IRON-CONTAMINATED CRACKING CATALYST
Hampton G. Cornell and James C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 6, 1948, Serial No. 63,664
5 Claims. (Cl. 252—417)



1. A method for treating a silica-alumina catalyst employed for the conversion of hydrocarbons in a catalytic cracking operation wherein the catalyst is subjected to contact with hydrocarbons under conversion conditions and to contact with a combustion supporting gas under regeneration conditions, said catalyst being contaminated with Fe_2O_3 in an amount no greater than about 0.5% by weight, which includes the steps of subjecting at least a portion of the regenerated catalyst to the action of a reducing gas in an amount and under conditions sufficiently severe to convert said Fe_2O_3 to Fe_3O_4 although not sufficiently severe to reduce any substantial amount of Fe_2O_3 to metallic Fe.

2,575,259
METHOD OF MAKING FOAMED SPONGE RUBBER ARTICLES
Alvon R. Cox, Cuyahoga Falls, and Frank E. Trockle, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 17, 1948, Serial No. 60,622
8 Claims. (Cl. 18—53)

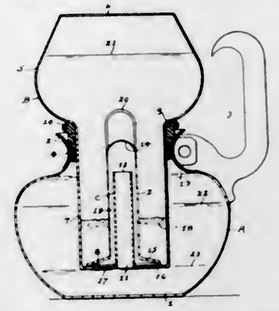


1. The method of shaping a body of a gelled vulcanizable rubber latex foam which comprises maintaining said body at a temperature of 140°–220° F. for a period of 1 to 5 minutes, applying compressive force to a localized zone of said body to collapse at least partially the foam structure in said zone, removing said compressive force, and thereafter vulcanizing said body with said zone in said collapsed condition and free from confinement.

2,575,260
COFFEE BREWER
Fredrik N. Cronholm, Salt Lake City, Utah
Application January 13, 1947, Serial No. 721,735
2 Claims. (Cl. 99—292)

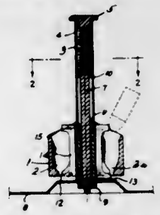
1. A coffee brewer comprising, a lower container adapted to receive water to be heated and

having an open upper end, an upper container supported upon the lower container and sealing the open upper end thereof, the upper container being in considerable part within the lower container and having a lower end disposed deep within the water in the lower container, the lower end of the upper container adapted to receive and support coffee grounds, a conduit constituting the sole communication between the upper and lower containers and comprising, an open ended pipe one end of which is in communication with the lower container through the bottom of the upper container and the other end of which terminates within the upper container in a horizontal plane just slightly above the maximum water level attained in the lower container, a tu-



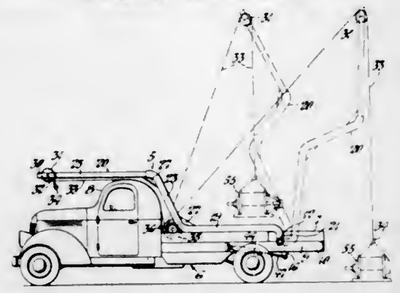
bular cap loosely surrounding said pipe and terminating in a lower open end flared outwardly to form a disc-like element, means supporting said disc slightly above the bottom of the upper container to provide communication between the interior of the cap and the interior of the container, said cap having an area only slightly less than that of the bottom of the container, coffee grounds surrounding and covering the outer face of said disc, said pipe and cap forming a continuous conduit the highest point of which is disposed in a horizontal plane just slightly above the maximum water level attained in the lower container, and said conduit being disposed wholly within the upper container and disposed in its entirety in a plane beneath that of the top of the lower container.

2,575,261
CIGAR OR CIGARETTE EXTINGUISHER
Manuel de la Torre, Houston, Tex.
Application July 12, 1946, Serial No. 683,028
2 Claims. (Cl. 131—256)



1. A stub extinguisher comprising, a receiver having a stub receiving bore, the lower end of the bore being tapered, said receiver having a slot extending from the upper to the lower end thereof through the wall of the receiver and to the bore, and an ejector one end of which is arranged to work in said slot and is formed with an extension which projects into the bore, said extension being offset relative to the axis of the stub receiving bore, and said receiver being movable relative to the ejector to eject said stub from the bore.

2,575,262
VEHICLE HOIST
Lourie L. Eakin, Ventura, Calif.
Application November 27, 1946, Serial No. 712,652
2 Claims. (Cl. 212—8)



1. A hoisting device adapted for use with a vehicle having a platform and a cab, comprising: a bifurcated boom member having opposite legs provided with parallel portions at one end, angular intermediate portions and convergent portions at the other end disposed in a plane offset with respect to the plane of said parallel portions; means for pivotally mounting said parallel portions on an axis extending transversely of said platform; and power means for pivoting said boom member to cause said boom member to move to a substantially erect operative position, to a substantially horizontal retracted position, and to positions intermediate said operative and retracted positions, said convergent offset portions being disposed horizontally and adapted to overlie said cab when said boom member is moved to retracted position.

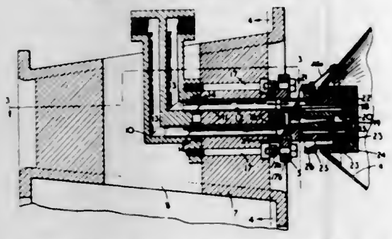
2,575,263
ANTISKID DEVICE
Harry J. Eisenhauer, Sr., Buffalo, N. Y.
Application March 14, 1950, Serial No. 149,627
11 Claims. (Cl. 152—225)



1. An antiskid device comprising a locking disc having a centrally arranged locking stud, a cam disc rotatably mounted upon said locking stud, a plurality of tire-engaging members, a plurality of clevises mounted upon said cam disc and con-

nected to said tire-engaging members, means carried by said cam disc and engageable with said clevises for causing radial movement of the latter upon relative rotative movement of said discs, and means for locking said discs in adjusted positions.

2,575,264
CONSTRUCTION AND MOUNTING OF FUEL BURNER NOZZLES, ESPECIALLY FOR GAS TURBINES AND LIKE APPARATUS
Geoffrey Bertram Robert Feilden, Lutterworth, England, assignor to Power Jets (Research & Development) Limited, London, England
Application January 14, 1946, Serial No. 641,145
In Great Britain January 16, 1945
9 Claims. (Cl. 60—39.31)



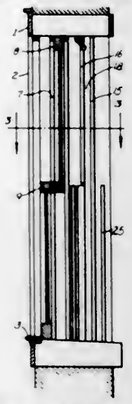
1. A combustion apparatus comprising a duct carrying a combustion-supporting air flow, a structural member attached at its ends to opposed walls of the duct and extending across the duct to divide the air flow, through which member passes a fuel supply passage, a flame tube enclosed by and extending longitudinally of said duct and located downstream of said member, a fuel injection burner receiving fuel from said supply passage detachably mounted on the downstream side of said member and having a body extending downstream therefrom, a socket at the upstream end of the flame tube forming with the burner body a spigoting connection engageable and disengageable in direction of flow, and retaining means to restrain said flame tube against involuntary displacement.

2,575,265
ADHESIVE COMPOSITION AND METHOD OF MAKING
Leon F. Fiedler, Cuyahoga Falls, and Paul J. Leakey, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 17, 1949, Serial No. 133,692
9 Claims. (Cl. 260—38)

1. An adhesive composition comprising a mixture of 100 parts by weight of a vulcanizable rubbery copolymer of acrylonitrile with an open-chain conjugated diolefin, a vulcanizing agent therefor, from 2 to 25 parts by weight of particulate aluminum metal, and from 20 to 300 parts by weight of a thermosetting phenol-aldehyde resin.

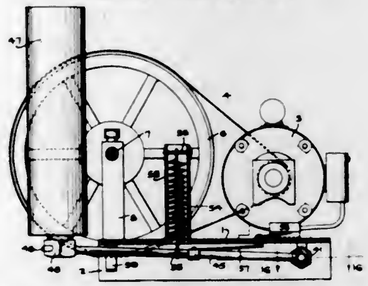
2,575,266
SCREEN WINDOW STRUCTURE
Albert B. Fuhr, Macomb, Ill.
Application February 21, 1946, Serial No. 649,179
3 Claims. (Cl. 20—52)

1. An auxiliary window structure for a window frame mounted in a wall opening, comprising a unit within and extending vertically of the inner face of each of the two opposite sides of the opening frame and formed to provide guide channels, there being two cooperating opposing channels and two cooperating channels set farther apart across the width of the frame then the opposing channels, the opposing cooperating channels extended through the upper half length of the frame and comprising forwardly and rearwardly positioned, spaced strips, the opening of the



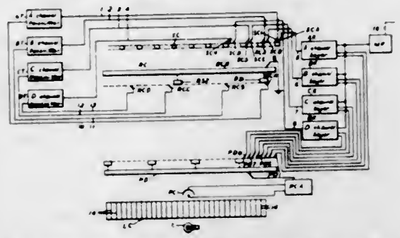
channel being directed inward, the rearward strip being continued through the lower half length of the frame, a sash frame adapted to position between said units with opposite side edges slidably engaged in the opposing channels, and a second sash frame of greater width than the first sash frame and having means at its opposite sides adapted to slidably engage in the second mentioned two cooperating channels.

2,575,267
APPARATUS FOR PRODUCING CHARGED WATER
Louis Gottlieb, Philadelphia, Pa.
Application September 10, 1947, Serial No. 773,237
8 Claims. (Cl. 261—19)



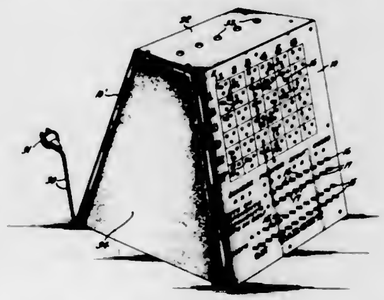
1. A carbonating apparatus of the character described comprising a carbonated water supply tank, means for mixing together water and carbon dioxide gas at substantially equal pressures, a relatively rigid conduit for delivering the mixture of water and gas to said tank, a second relatively rigid conduit for discharge of said carbonated water from the tank, pivotal mounting means for the ends of the conduits spaced from said tank whereby said conduits constitute in effect a pivoted lever upon which the tank is supported, and means automatically operative to control the operation of said water and gas mixing means upon movement of said lever accordingly as the supply of carbonated water in said tank is varied.

2,575,268
PRINTING TELEGRAPH SYSTEM
Ronald George Griffith, Warlingham, England
Application May 23, 1949, Serial No. 94,862
In Great Britain May 31, 1948
46 Claims. (Cl. 178—50)



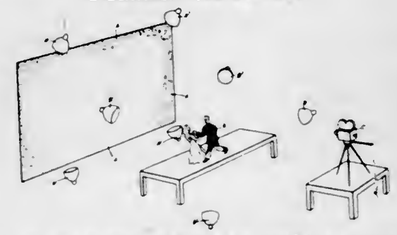
1. A telegraph system for operation on a two-position even-length code comprising in combination, a transmitter embodying means for converting the positive and negative signal units of said even-length code into units for transmission, hereinafter called transit signal units, each of which units consists of elements of different signal levels characterized by a transit from one of said signal levels to the other of said signal levels in one of two directions, and a receiver connected to said transmitter by a transmission path in which the signal units are subject to mutilation, said receiver embodying means for sampling each transit signal unit, means responsive upon operation of said sampling means for establishing in said receiver a positive or negative signal unit in said two-position even-length code, means for detecting mutilation consisting of the absence of said transit between any two elements of a transit signal unit, and means responsive to the operation of said mutilation-detecting-means for causing the production in said receiver of a distinguishing signal for indicating such mutilation.

2,575,269
WAR GAME APPARATUS
Corliss W. Hall, Dayton, Ohio
Application February 28, 1949, Serial No. 78,785
7 Claims. (Cl. 273—130)



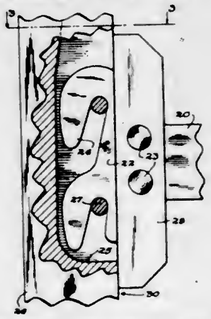
1. A game board having outlined thereon a plurality of juxtaposed spaces arranged in horizontal and vertical lines, said board having three apertures in each one of said spaces at correspondingly positioned points thereof, a plurality of sets of pegs insertable in said apertures at the three corresponding points thereof, comprising one set of pegs to designate a plurality of combat targets with each target delineated by a predetermined number of pegs at the corresponding point in a series of consecutive spaces along a horizontal, vertical or diagonal line, a second set of pegs insertable at a second corresponding point of said juxtaposed spaces to designate the location of called shots against opponent's targets, and the remaining corresponding apertures in said spaces adapted to receive designations of the shots called by the opponents against the targets set up on said game board.

2,575,270
PROCESS FOR THE MANUFACTURE OF COMPOSITE PHOTOGRAPHIC OR CINEMATOGRAPHIC PICTURES
William Michael Harcourt, Gerrards Cross, England, assignor to Denham Laboratories Limited, Denham, Uxbridge, England, a British company
Application April 14, 1948, Serial No. 21,064
In Great Britain April 15, 1947
4 Claims. (Cl. 88—16)



1. An improved process for making composite and cinematographic pictures which comprises separately illuminating foreground objects in front of a plain background, with the illumination of the background approximately five times that of the foreground objects, splitting the composite beam into two components and focusing the rays from the foreground objects and the background on each of two films presented simultaneously whereby after development there are obtained a main film recording foreground objects on the plain opaque background and a background film recording a plain opaque background with clear film for the foreground objects, the said two films having such sensitivities that the background film is correctly exposed in respect of the background and grossly underexposed in respect of the foreground objects, while the main film is correctly exposed in respect of the foreground objects.

2,575,271
SIDE RAIL CONNECTION FOR BEDSTEADS
Carl Harris, Cicero, Ill.
Application April 30, 1948, Serial No. 24,315
3 Claims. (Cl. 5—296)



1. In a bedstead, the combination of a post having a slot spaced substantially midway of the

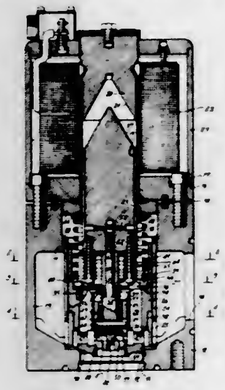
post, pins extending crosswise of the slot, a flanged side rail having a lower inwardly extending base flange and a vertically extending side flange, an extension member having hooked ends and being riveted to the side flange by a pair of vertically spaced rivets, a vertically positioned L-shaped angle plate having one of its sides extending parallel and secured to the vertical side flange of the side rail, a plurality of inserts mounted between the vertical side flange of the rail and the said one side of the angle plate, the other side of the angle plate lying in a plane parallel to the inner surface of the bedstead post, and having a recess through which the extension member projects, and such other side engaging and forming a bearing surface between the angle plate surface and the surface of the bed post when the hooked extension is moved to engagement with the cross-pins of the bed post.

2,575,272

RAPID CLOSURE VALVE FOR HIGH-FLOW RATES AT LOW-PRESSURE DROP

Dwight E. Harris, Stamford, Conn., assignor to The Skinner Chuck Company, Norwalk, Conn., a corporation of Connecticut

Application July 17, 1947, Serial No. 761,461
6 Claims. (Cl. 137—144)



1. A valve comprising a base having a bore defining an inlet, an outlet and a first valve seat between said inlet and outlet; a cylinder in said bore having one or more apertures communicating with said inlet and valve seat, said cylinder separating said inlet and valve seat except for said apertures; a first cylindrical sleeve slidably mounted in said cylinder and effective in the closed position of said valve to cover said apertures, said first sleeve having a first valve head on the exterior of one end face thereof for cooperation with said first valve seat, intercommunicating longitudinal and radial passageways in said first sleeve, a circular recess in said first sleeve surrounding said first valve head and communicating with the outer ends of said radial passageways and with the exterior of said end face, a second circular recess in the inner cylindrical surface of said first sleeve communicating with the inner ends of said radial passageways and with the interior of said first sleeve, a secon valve seat on the interior of said end face; a second cylindrical sleeve slidably mounted in said first sleeve and having on the exterior of one end face thereof a second valve head for cooperation with said second valve seat, radial passageways in said second sleeve communicating with said second circular recess of said first sleeve in the closed position of said valve and with the interior of said second sleeve, a third valve seat on the interior of said end face of said second sleeve; a cup slidably mounted in said second sleeve and having a third valve head for cooperation with said third valve seat; a piston connected to said cup; means for opening said valve comprising means for moving said piston serially to separate the respective said valve heads and seats in an order inverse to the order of their mentioning upon predetermined valve opening movements of said piston including a lost motion connection between said piston and said second sleeve and a second lost motion connection between said piston and first sleeve; and means for closing said valve comprising means biasing said cup toward the end face of said second sleeve, said second sleeve toward the end face of said first sleeve, and the end face of said first sleeve toward said first valve seat.

2,575,273

PROCESS FOR PRODUCING A MAGNESIUM DIE-CASTING ALLOY

Richard F. Hauser, Bergenfield, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application December 5, 1947, Serial No. 789,908
5 Claims. (Cl. 148—3)



1. In a method for producing a magnesium die casting having a substantially homogeneous equi-axed grain structure; the steps comprising heating a magnesium-manganese alloy to a temperature between about 1250° F. and about 1350° F.; dissolving in the molten alloy not in excess of 1.5% by weight of aluminum and an amount of aluminum sufficient to decrease the solubility of the manganese in the magnesium; precipitating the liberated manganese so as to cleanse the molten metal of suspended particles by causing such particles to sink to the bottom of the molten metal by an agglomeration with the liberated manganese, die casting the cleansed alloy, and subjecting the die casting to a temperature of between about 450° F. and about 500° F. for a period of between three to five hours so as to artificially age the casting and convert the structure of the die casting into an approximate homogeneous equi-axed grain structure, the aluminum dissolved in said molten alloy being in an amount not less than 1% by weight.

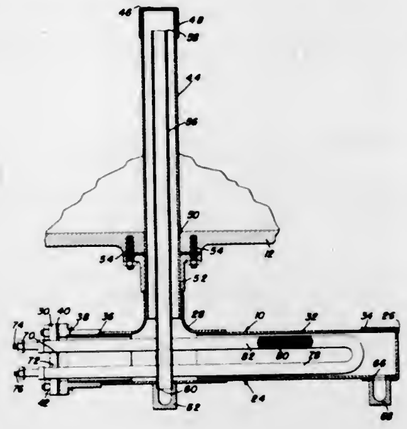
2,575,274

CRANKCASE ATTACHMENT

Ralph D. Hess, Mascoutah, Ill.

Application September 11, 1950, Serial No. 184,303
5 Claims. (Cl. 123—142.5)

2. An attachment for preheating engines comprising an outer conduit having an end wall, means carried by said outer conduit for mounting the same on an engine crank case, an elongated casing having an intermediate portion thereof connected to said outer conduit, said casing being disposed transversely of said outer conduit, an inner conduit disposed in said outer conduit, one end of said inner conduit terminating adjacent said end wall of said outer conduit, an end wall detachably secured to one end of said casing, and



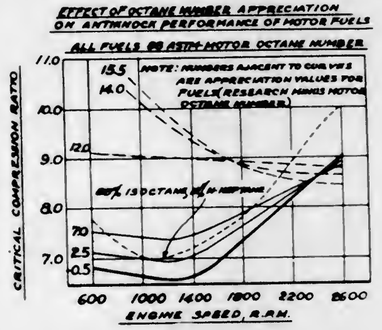
an immersion heater unit carried by said end wall and extending longitudinally of said casing for heating the circulating fluid, said casing having a fluid inlet port adjacent the other end thereof, the other end of said inner conduit constituting a fluid outlet port.

2,575,275

SAFETY FUEL FOR AUTOMOBILE TYPE MARINE ENGINES

William C. Howell, Jr., Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 15, 1949, Serial No. 87,609
6 Claims. (Cl. 44—69)



2. A safety fuel composition characterized by Research minus Motor octane number appreciations of 4 to 12 consisting essentially of blends of tetrahydronaphthalene and alkylate fractions boiling in the range of about 300° F. to 450° F. and a knock suppressing concentration of a lead anti-knock agent said composition containing about 15 to 50 volume percent of the said tetrahydronaphthalene.

2,575,276

PROCESS OF MINIMIZING FOAM PRODUCTION IN STEAM GENERATION

Arthur L. Jacoby, Western Springs, and Clarence Jacklin, Downers Grove, Ill., assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 3, 1948, Serial No. 42,344
13 Claims. (Cl. 252—321)

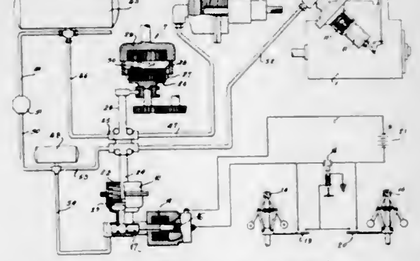
1. A process of minimizing the production of foam in and priming of steam generators operating under superatmospheric pressure conditions which comprises incorporating with a water therein containing an amount of total solids tending to produce foaming and priming a quantity of a polyoxyalkylene glycol, wherein the alkylene radicals are selected from the group consisting of ethylene, propylene, and mixtures thereof, the average molecular weight of said polyoxyalkylene glycol being at least about 1000 when the polyoxyalkylene glycol is a polyoxypropylene glycol, at least approximately 6000 when the polyoxyalkylene glycol is a polyoxyethylene glycol and a minimum average molecular weight between 1000 and 6000 when the polyoxyalkylene glycol contains both oxyethylene and oxypropylene groups, said polyoxyalkylene glycol being substantially insoluble in said water under said steam generating conditions and said quantity being sufficient to substantially inhibit foaming and priming.

2,575,277

GEAR SHIFT AND THROTTLE CONTROL SYSTEM

Edward D. Johnson, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

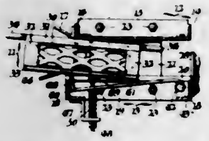
Application September 22, 1947, Serial No. 775,390
4 Claims. (Cl. 192—.08)



1. A control system for an automotive vehicle provided with a clutch, an engine, a speed ratio varying transmission, a shiftable gear, and a throttle for controlling the engine comprising a pressure fluid motor to operate the throttle; a pressure fluid motor for operating the clutch; a pressure fluid motor for adjusting the transmission speed ratio; a first source of pressure fluid for the operation of said clutch motor; a second source of pressure fluid maintained at a constant but lower pressure than said first source for the operation of said speed ratio varying transmission motor and throttle operating motor; a governor mechanism driven by the engine; a valve for controlling the operation of the speed ratio varying transmission motor; means controlled by said governor mechanism for operating said valve; a valve for controlling the operation of said clutch motor; a valve for controlling the operation of said throttle motor; and cam means

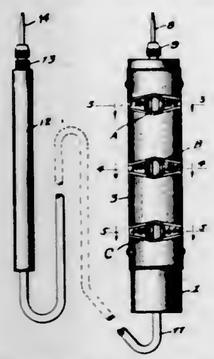
associated with said speed ratio varying transmission motor for operating the valves for said throttle and clutch motors.

2,575,278
WORK CARRIER FOR CONVEYERS
Thomas J. Kearney, Detroit, Mich., assignor to Detrex Corporation, Detroit, Mich., a corporation of Michigan
Application September 24, 1948, Serial No. 51,017
6 Claims. (Cl. 198—158)



1. A work carrier for belt or chain conveyors including a holder with spaced parallel horizontally-arranged upper and lower components, connecting end members rigidly connecting the components in spaced relation, and pivot trunnions extending outward respectively from said end members, a tray with an article-supporting bottom insertable edgewise into the interval between the upper and lower components of the holder; stop means on the holder at the front to determine the position of the tray in the holder; and releasable means connected to the bottom component automatically operative as the tray is thrust home into the holder to engage behind the rear edge of the tray and thereby prevent its displacement during rotation of said holder on its trunnions.

2,575,279
GLOW-TUBE VOLTAGE INDICATOR
William C. Linton, Washington, D. C.
Application August 13, 1948, Serial No. 44,049
3 Claims. (Cl. 171—95)



1. A voltage indicator comprising in combination a tubular casing formed of one piece of insulating material and having its opposed ends opened, said casing having a row of light emitting openings formed therein, a cylindrical core formed of one piece of insulating material and insertable through either opened end of said casing, said core being of the same length as that of said casing and having recesses formed within the outer periphery thereof, lamp indicators seated within the recesses of said core, a series of resistors and wires electrically connected to said lamp indicators and seated within other recesses formed in said core, said core having an exterior diameter substantially the same as that of the interior diameter of said casing whereby said casing will contact and retain the said lamp indicators and said series of resistors and wires within the recesses of said core and permit the light rays from the lamp indicators to emit through the row of openings therein, contact terminals connected to the opposite ends of said core and electrically connected to the wires seated within the recesses of said core, and said contact terminals extending from the opened ends of said casing.

2,575,280
REMOVABLE PROTECTOR FOR HANDLES OF TELEPHONE HANDSETS
Leo B. Long, Olympia, Wash.
Application October 4, 1948, Serial No. 52,687
1 Claim. (Cl. 179—185)



The combination with the handle of a telephone combined receiver and mouthpiece having a rounded surface and a flat surface, of a protector comprising an elongated substantially tubular body constructed of yieldable material having one of its sides open for positioning around a telephone handle, an inwardly extended flange formed along each longitudinal edge of the open side of the body the free edges of the protector being spaced apart, said flanges adapted to rest flat against the flat surface of said telephone handle gripping the telephone handle, removably securing the protector to the handle, and the ends of the protector terminating in spaced relation with the receiver and mouthpiece of the handle.

2,575,281
INJECTION SYRINGE
Francisco Lopolito, Buenos Aires, Argentina
Application June 28, 1950, Serial No. 170,770
In Argentina April 5, 1950
2 Claims. (Cl. 128—220)



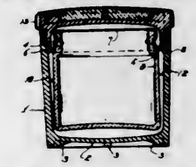
1. In an improved injection syringe, the combination, comprising, an open-ended tube, a cap member surrounding one end portion of the tube and including a flange partially closing that end

of the tube and having a central aperture, a needle member engaging the flange and including a tapped stem inserted through the aperture, a resilient sealing member in an unstressed state insertible in the end of the tube surrounded by the cap member and having a central bore registering with the aperture and receiving the stem of the needle member, a disc member of a diameter fitting into the tube and having a tapped stem extending into the bore and threadedly engaging the needle stem, said disc pressing the sealing member against the tube and the flange of the cap member, a tubular plunger slidable in the tube and having a closed end, a second cap member surrounding the other plunger end and including a flange partially closing the other plunger end and having a second central aperture, a thumbpiece bearing against the flange of the second cap member and having a tapped stem inserted through the flange aperture, a second sealing member of a diameter fitting it in an unstressed state into the plunger end adjacent the flange of the second cap member and having a second central bore registering with the second aperture, a second disc member bearing against the second sealing member and including a tapped stem extending into the second bore and threadedly engaging the stem of the thumbpiece.

2,575,282
SELECTIVE CRAB GRASS HERBICIDAL COMPOSITIONS CONTAINING OXO BOTTOMS
John F. McKay, Jr., Cranford, and Leo Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 18, 1950, Serial No. 156,719
3 Claims. (Cl. 71—2.3)

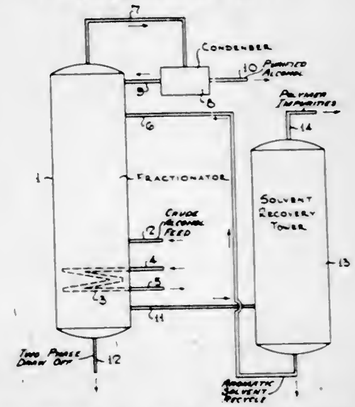
1. A selective crab grass herbicidal composition comprising in combination a sulfuric acid-treated kerosene, said acid-treated kerosene having a specific gravity in the range of about 0.775–0.825, a boiling point predominantly in the range of about 400°–505° F., and being substantially free of aromatics and from 0.1 to 10 weight per cent based on the total composition of a mixture of oxygenated organic compounds produced as a still bottoms product in a two-stage operation consisting of a first stage in which hydrogen, carbon monoxide and a C_7–C_{15} olefin are contacted in the presence of a carbonylation catalyst forming a product predominantly aldehyde and of a second stage, in which the said aldehyde product is catalytically reduced with hydrogen to form the corresponding alcohol from which the major portion of low-boiling alcohol components is removed by distillation, leaving behind the still bottoms product.

2,575,283
JAR AND JACKET THEREFOR
Joseph E. Menrath, Chicago, Ill.
Application April 4, 1949, Serial No. 85,403
1 Claim. (Cl. 215—12)



As an article of manufacture, an outer jar threaded interiorly at its upper end, a cover for said outer jar formed with screw threads complementary to, but lesser in number than, the threads of said outer jar so that with said cover received the maximum distance within said outer jar said cover is spaced from the final convolution of said outer jar thread, an inner jar having an exteriorly threaded neck portion defining a shoulder with its body portion, and a flanged adapter cap, said adapter cap threaded for engagement with the threads of said inner jar, the flange of said adapter cap sheared peripherally for easy application to the thread of said outer jar, said flange contiguous to said sheared portion bent upwardly for easily releasable locking engagement with said final thread convolution in one position of said cap.

2,575,284
EXTRACTIVE DISTILLATION OF POLYMER-CONTAINING ALCOHOLS
Charles E. Morrell, Westfield, and Richard F. Robey, Cranford, N. J., and Nat C. Robertson, Corpus Christi, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 23, 1947, Serial No. 762,992
5 Claims. (Cl. 202—39.5)

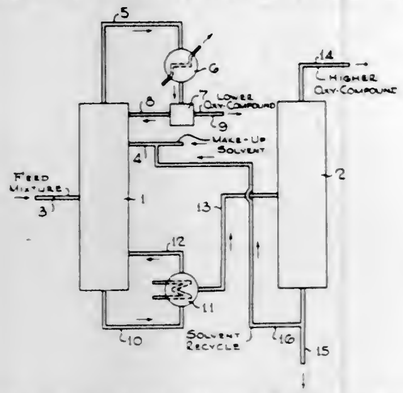


1. The method of purifying an alcohol containing hydrocarbon polymer impurities difficult to separate by ordinary fractional distillation, which comprises introducing the impure alcohol into a fractional distillation zone, introducing sufficient amounts of an aromatic compound selected from the class consisting of diphenyl, diphenyl ether, dimethyl naphthalenes, alpha methyl naphthalene, and diphenylene oxide, into the fractional distillation zone at a point substantially above the impure alcohol feed point to maintain an internal liquid reflux having an aromatic compound content of 80 to 95 volume per cent, distilling the alcohol whereby the alcohol vapors pass countercurrent to the descending internal liquid reflux, and removing overhead from the distillation zone alcohol free of impurities.

2,575,285
EXTRACTIVE DISTILLATION OF ALCOHOL-CONTAINING MIXTURES WITH DIPHENYL ETHER AS SOLVENT
Carl S. Carlson, Roselle, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 7, 1949, Serial No. 69,636
14 Claims. (Cl. 202—39.5)

1. The method of separating an alcohol having from 3 to 6 carbon atoms from C_3 to C_6 oxygen-

ated organic compounds of the class consisting of alcohols and neutral carbonyl compounds which form close-boiling mixtures difficult to separate by ordinary fractional distillation, which comprises continuously introducing a feed mixture of said oxygenated compounds to a fractional distillation zone wherein vapors of said compounds ascend countercurrently to a homogeneous liquid reflux of the oxygenated compounds dissolved in a sufficiently high proportion of di-



phenyl ether solvent whereby the normal volatility relationship of the compounds are altered and those rendered more volatile are vaporized, continuously removing vapors of an alcohol component rendered more volatile in the presence of the refluxing liquid overhead from the fractional distillation zone, and removing as bottoms a residual solution of undistilled oxygenated organic components of the mixture including the neutral carbonyl compounds rendered less volatile in the presence of the diphenyl ether solvent.

2,575,286

LUBRICATING GREASE COMPOSITION

Arnold J. Morway, Clark-Rahway, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 29, 1949, Serial No. 107,648

10 Claims. (Cl. 252—41)

1. A lubricating grease composition consisting essentially of a lubricating oil thickened to a grease consistency with from 5 to 20% by weight of a mixture of an alkali metal soap of a high molecular weight fatty acid and an alkali metal salt of a low molecular weight oxy acid having the general formula:

$$R'-O-R''-\overset{O}{\overset{\|}{C}}-OH$$

wherein R′ and R″ are saturated aliphatic radicals and R′ plus R″ contain a total of at least 2 and not more than 7 carbon atoms.

2,575,287

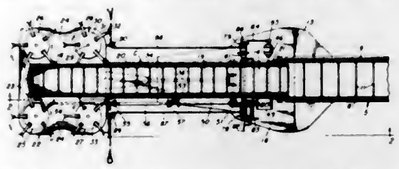
COAL GATHERING AND LOADING APPARATUS FOR MINE CONVEYERS

Oscar G. Myers, Fairmont, W. Va.

Application August 11, 1947, Serial No. 768,011

7 Claims. (Cl. 198—9)

1. In combination with the receiving end of an endless low-vein mine conveyor adapted to convey coal from a working place into a point outside the mine, of a low-built gathering and loading apparatus for said mine conveyor comprising a first base plate adapted to rest on the mine floor and having said receiving end of the mine conveyor fixedly mounted on the rear portion thereof, a second base plate pivoted on and projecting forwardly of the front portion of said first base plate for horizontal swinging movement, and apparatus for gathering coal from the mine floor and transferring it rearwardly onto said receiving end of the mine conveyor, said apparatus including an endless rear conveyor rigidly mounted on said second base plate and extending over the receiving end of the mine conveyor, an endless



front elevating conveyor provided at its front end with a gathering head and having its rear portion extending over and slidably mounted on the forward portion of said rear conveyor for longitudinal movement relative to the latter, gathering mechanism carried by said gathering head for gathering coal onto the forward portion of said front conveyor from the front and sides thereof, power operated means to move said front conveyor forwardly and rearwardly relative to said rear conveyor at will, and driving mechanism for said front and rear conveyors and said gathering mechanism including a motor mounted on said second base plate.

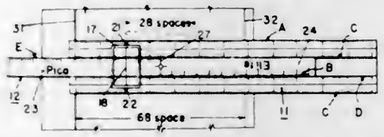
2,575,288

SLIDE RULE

Joseph N. Nielsen, Washington, D. C.

Application September 23, 1949, Serial No. 117,464

7 Claims. (Cl. 235—70)



1. Rule comprising in combination a base bearing a scale of a length and with graduations in units providing a measure of a space distance; and a slide movable along the base and bearing a scale for cooperation with the base scale, said slide scale being in the reverse direction to the base scale and graduated in a unit measure of one-half that of the base scale, the effective length of the slide scale being one-half that of the base scale to bring the zero of the slide scale under a midpoint on the base scale corresponding to the setting of the slide scale under the zero of the base scale.

2,575,289

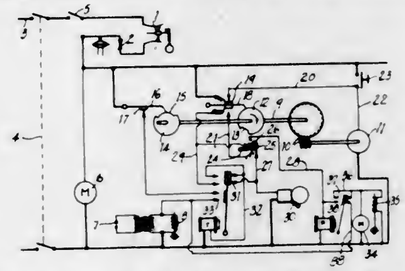
SAFETY BURNER CONTROL AND IGNITION SWITCHING MECHANISM FOR PROVIDING A PURGING PERIOD

Homer C. Nycum and Clyde O. Baird, Kalamazoo, Mich., assignors to The C. H. Dutton Company, Kalamazoo, Mich., a corporation of Michigan

Application September 15, 1947, Serial No. 774,162

15 Claims. (Cl. 158—28)

15. A control system for the burner of a furnace having an electrically operated ignition device, comprising, a source of electrical power including a pair of supply lines, a relay, three control switches each having one side electrically connected to one of said lines, electrically actuated mechanism associated with said control switches to open and close said switches in predetermined timing relation, a first of said switches being open whenever a second of the switches is closed and in the starting position of said mechanism, a third of said switches being open when said second switch is closed and continuing open in the cycle of said mechanism for a substantial period after the closing of the first switch but closing during an ignition period in the later part of the closed period of said first switch, a manually controllable initial energizing circuit connecting said mechanism across said lines, a holding circuit connectable across said lines in series with said mechanism and including the first of said control switches to energize said mechanism to the end of its cycle independ-



ently of said manually controllable circuit, an initial energizing circuit for said relay connectable across said lines and including in series said second of said control switches, a flame switch operatively responsive to the establishment of flame in said furnace and connected in series with said second control switch in the initial energizing circuit of said relay, said flame switch being arranged to close in the no-flame condition of said burner, a holding circuit for energizing said relay connectable across said lines and including in series a first relay operated switch closed by said relay in the energized position thereof, an ignition circuit connectable across said lines to energize said ignition device and including in series a second relay operated switch closed by said relay in the energized position thereof and said third of said control switches, and a shutdown switch connected in series in one of said lines between said source and the remainder of the system.

2,575,290

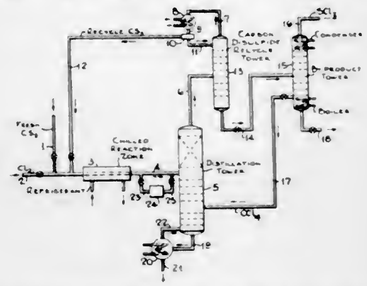
CONTINUOUS PROCESS FOR MANUFACTURE OF PERCHLOROMETHYL MERCAPTAN

Ernest O. Ohsol, Cranford, Carl S. Carlson, Roselle, and Boyd E. Hudson, Jr., Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application August 4, 1949, Serial No. 108,584

3 Claims. (Cl. 260—543)

1. A process for the continuous preparation of perchloromethyl mercaptan which comprises the steps of reacting carbon disulfide and chlorine in a reaction zone at a temperature in the range of 0°–15° C., the carbon disulfide being present in an amount of 1⅓ mole to 2 moles per 3 moles of chlorine; withdrawing the resulting predominantly liquid reaction mixture to a first distillation zone; quickly removing at subatmospheric pressure from said first distillation zone a vaporous mixture of carbon tetrachloride, SCl_2, carbon disulfide, and traces of chlorine; rapidly separating the carbon disulfide and chlorine from the vaporous mixture taken off from the first distillation zone in a second distillation zone; cooling and condensing effluent vapors from the second distillation zone to form a carbon disulfide condensate containing some dissolved chlorine; recycling a portion of said carbon disulfide condensate to the reaction zone; refluxing a residual portion of the condensate to the second distillation zone; withdrawing a liquid bottoms mixture compris-



ing predominantly carbon tetrachloride and SCl_2 from the second distillation zone to a third distillation zone; rapidly distilling the SCl_2 from the third distillation zone; withdrawing carbon tetrachloride as a bottoms liquid from the third distillation zone; withdrawing a carbon tetrachloride vapor stream from said bottoms liquid of the third distillation zone; recycling this carbon tetrachloride vapor stream to the first distillation zone; and removing perchloromethyl mercaptan as bottoms from the first distillation zone.

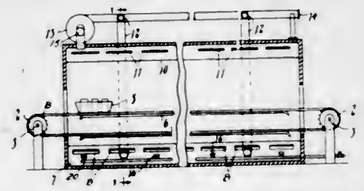
2,575,291

APPARATUS FOR BAKING BREAD AND SIMILAR FOOD PRODUCTS

William E. Owen, Hamilton, Ontario, Canada

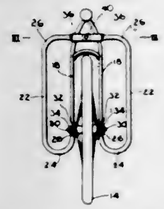
Application February 28, 1950, Serial No. 146,867

2 Claims. (Cl. 107—55)



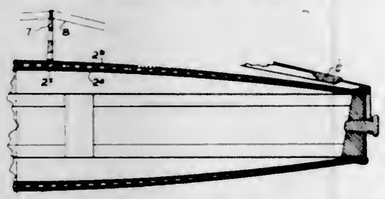
1. An oven having a baking chamber, a support in the baking chamber for pans of dough, a plurality of monofuel infra-red burners in the oven, each of said burners including a refractory body, a burner jet for directing burning fuel against a face of the refractory body to heat the face of said body to a temperature sufficiently high to produce a large proportion of infra-red rays, the said faces of the burners being directed towards the support whereby a large proportion of the infra-red rays emanating from the burners will strike the pans in which the dough is contained, and means for continuously circulating air through the baking chamber including ducts and a fan and air discharge openings arranged to direct air above and substantially transversely of the said faces of the refractory bodies between the support and the burners.

2,575,292
CRASH GUARD FOR BICYCLES AND THE LIKE
Robert C. Persons, Worcester, Mass., assignor to Persons-Majestic Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application March 27, 1948, Serial No. 17,465
1 Claim. (Cl. 280—289)



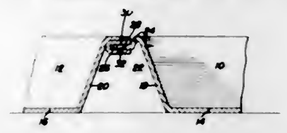
For use with cycles of varying makes which include a frame, a saddle seat projecting upwardly from the rear end of the frame, a rear fork extending downwardly at the rear of the frame, a rear axle hub carried by the lower end of the fork, and a rear wheel carried by the hub, the improvement comprising a detachable and adjustable crash guard including a pair of separate elongated substantially J-shaped guard members having means at the curved J ends for attachment to opposite ends of the hub of the cycle, and having inwardly turned portions at their opposite ends for attachment to the fork at a position intermediate the top of the wheel and the saddle seat, and adjustable means for fastening said inwardly turned portions to the fork comprising a clip bulged to embrace the fork, and threaded fastening means projecting through the ends of said arms and through said clip for securing the parts in adjusted position, said clip being of one-piece integral construction and including a pair of outwardly bulged side wings forming pockets adapted to overlap a pair of fork parts, and an intermediate portion bowed in the opposite direction from the pockets and perforated and threaded for engagement by the threaded fastening means, the pockets being of substantially greater width than the diameters of the fork parts, and the walls of the pockets being inclined to permit attachment to forks of varying lengths.

2,575,293
SOUND PRODUCING INSTRUMENT AND DIAPHRAGM THEREFOR
Joseph E. Petek, Cleveland, Ohio
Application August 27, 1948, Serial No. 46,382
6 Claims. (Cl. 84—275)



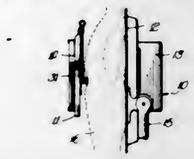
6. A musical instrument adapted to produce musical tones in response to string vibrations and having a belly and a back, said belly comprising a single composite member all parts of which are formed of the same kind of wood and consisting of inner and outer plies and spaced spacing devices therebetween formed integrally with one of said plies, any three mutually adjacent spacing devices of said spaced spacing devices being in an equilateral triangular relationship to serve to increase the ratio of stiffness to weight of the composite member as compared to a solid member formed of the same kind of wood and having the same thickness, to reduce flexing of the wood fibers of the composite member and damping of the vibrations thereof and to increase the loudness, clearness and uniformity of the tones of the instrument when the latter is played.

2,575,294
SECTIONAL BAKING PAN
Walter B. Putorak, Philadelphia, Pa.
Application February 6, 1950, Serial No. 142,584
1 Claim. (Cl. 220—23.4)



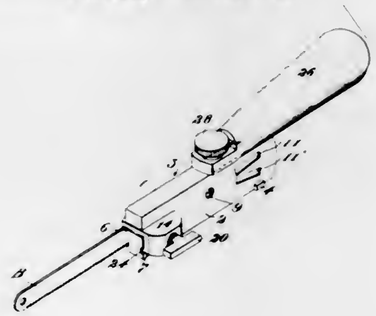
A sectional baking pan comprising a plurality of sections, each of said sections having the shape of a sector of a circle, an interlocking means on the peripheral edges of said sections, said interlocking means detachably securing said sections together, said interlocking means comprising male and female locking elements formed on alternate sections of said pan, said male locking elements comprising a peripheral tongue on the peripheral edges of one of said sections, said tongue having a plurality of apertures therein, said female locking members comprising a substantially S-shaped member secured to the upper peripheral edge of one of said sections, the bottom portion of said S-shaped members having a plurality of protuberances, said protuberances being engageable in said apertures, said sections being adapted to be selectively interlocked to form a circular baking pan and adapted to be selectively interlocked to form a longitudinally extending sectional baking pan.

2,575,295
RADIOGRAPHIC APPARATUS
Patrick C. Renner, Chicago, Ill.
Application May 20, 1949, Serial No. 94,434
8 Claims. (Cl. 250—66)



1. A cassette holder adapted to be supported on the X-ray generator side of a fluorescent screen comprising an elongated plate of a material impervious to X-rays, means for securing said plate to said screen in such fashion that the plate extends downwardly from a point above the screen to a point near the center thereof, a pair of vertical cassette slideways spaced apart a distance substantially equal to the width of a film cassette, said plate having an aperture near the center of said screen, the aperture being of a height less than one-half the length of the film cassette, a retractable pawl normally projecting into one of said slideways approximately at the top of said aperture, means at the bottom of said slideways for limiting downward motion of said cassette, and manually actuated means for raising said cassette from its lowermost position to a second position wherein its lower edge is retained on said retractable pawl, the height of said plate above the pawl being such that the film in the cassette is protected by the plate yet the top edge of the cassette is readily accessible so that the cassette may be manually lifted out of the slideways and reversed therein.

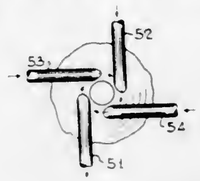
2,575,296
SAW BLADE HOLDER
Stanley Rogers, Boston, Mass.
Application September 9, 1948, Serial No. 48,460
2 Claims. (Cl. 145—108)

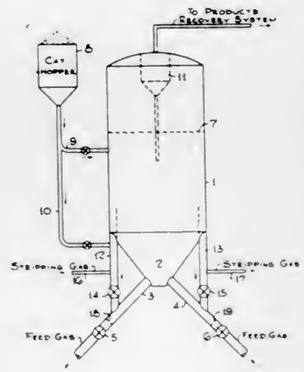


1. A holder for a hack saw blade or the like cutting implement comprising an elongate body portion having a plurality of flat faces, an outstanding lug formed on one face of said body member adjacent to one end, said lug not only being adapted to project through the opening in the end portion of a hack saw, but also providing an abutment against which one edge of a hack saw blade or the like may be squarely positioned while the blade rests against said one face of said body member, the opposite end of said body portion having a slot extending from said one face to the opposite face, a U-shaped clamping member having its closed end adapted either to seat on one edge of said body member or fit into said slot and in either position with one leg overlying a portion of said one face and blade when the blade is positioned against said flange and its other leg overlying said opposite face, the legs being operative to engage and clamp the body portion of said blade against said one face, and a grip member secured to said body member.

2,575,297
PROCESS AND APPARATUS FOR CONTACTING FLUID SOLIDS WITH GASES
Walter F. Rollman, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 30, 1949, Serial No. 90,588
9 Claims. (Cl. 260—449.6)

9. In the process of converting carbon monoxide and hydrogen to normally liquid hydrocarbons and oxygenated products, which process comprises contacting carbon monoxide and hydrogen in synthesis proportions at synthesis conditions with a dense turbulent fluidized mass of finely divided synthesis catalyst in a fluidized solids reaction zone, which zone comprises a bottom portion, the cross-sectional area of which increases in an upward direction and which process further comprises withdrawing continuously at least a portion of said catalyst in the form of substantially vertical downwardly flowing streams, said streams being withdrawn from the periphery of the lower portion of said zone



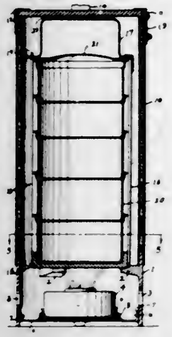


and passing separate streams of said solids suspended in synthesis gas upwardly along inclined paths corresponding in number to said vertical streams and uniting said streams from the bottom portion of said reaction zone, the improvement which comprises passing said last-named streams tangentially into the lower portion of said reaction zone whereby said gaseous suspension is given a cyclonic flow pattern within said zone.

2,575,298
STEAM GENERATION AND COMPOSITIONS FOR INHIBITING FOAMING
John W. Ryznar, La Grange Park, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 26, 1948, Serial No. 4,458
18 Claims. (Cl. 252—321)

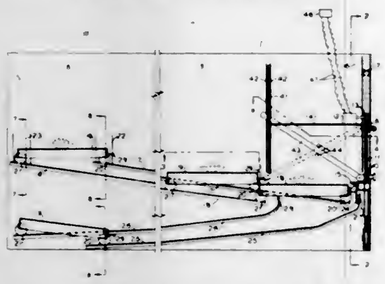
1. A process of minimizing the production of foam in and the priming of steam generators operating under superatmospheric pressure conditions which comprises incorporating with a water therein containing an amount of total solids tending to produce foaming and priming a quantity of a monoalkyl ether of a polyoxyalkylene glycol wherein the alkylene radicals are selected from the group consisting of ethylene, propylene, and mixtures thereof, the average molecular weight of said monoalkyl ether being at least about 1500 and said monoalkyl ether being substantially insoluble in said water under said steam generating conditions, and said quantity being sufficient to substantially inhibit foaming and priming.

2,575,299
LUNCH PACK
Julius Scheel, Houston, Tex., assignor of one-half to Manuel Blanco P., Houston, Tex.
Application November 26, 1946, Serial No. 712,461
1 Claim. (Cl. 126—261)



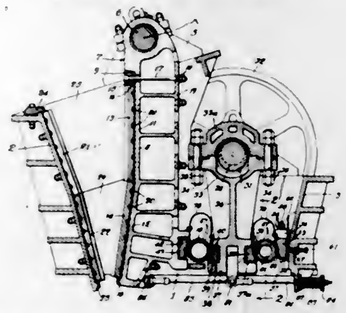
A lunch pack comprising, an outer casing having an oven at its lower end and a hinged cover at its upper end, spaced inside supports at the top of the oven, a pan on said supports, a nest of similar food containers one above another and the lower container being seated in said pan, said nest being spaced inwardly from the casing to provide a circulating space between the nest and casing, said space being connected with the oven, spaced upstanding members connected at their lower ends to the pan and extending into said circulating space, and handle means connecting the upper ends of said members and engaging the upper container to retain the nest seated in the pan, said handle means extending above the nest and engaging said cover to retain said containers in nested position and said pan on said supports.

2,575,300
VENDING MACHINE
Joseph Schrager, Miami, Fla.
Application June 30, 1949, Serial No. 102,290
17 Claims. (Cl. 312—97)



1. In a dispensing device of the character described including a casing having a front wall, pairs of inclined trackways supported in the casing, article supporting conveyor devices adapted to traverse the trackways by gravity feed to be positioned in dispensing relation to the front wall, a dispensing opening formed in the front wall, a closure door for the opening, coin controlled latch means for maintaining the door in closed position, a pair of inclined trackways for the return of the conveyor devices from their point of dispensing to a point of loading, trip mechanism for controlling the movement of the conveyor devices from one pair of tracks to the other, said trip mechanism actuated by the movement of the closure door to open and closed position and baffle means adapted to be positioned between the conveyor in dispensing position and the next adjacent conveyor.

2,575,301
JAW CRUSHER WITH DOUBLE TOGGLE
Ruland R. Shafter, Freeport, N. Y., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 5, 1946, Serial No. 701,511
6 Claims. (Cl. 241—32)

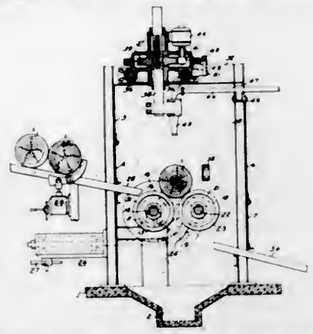


2. In a jaw crusher, a frame, a jaw normally fixed on said frame, a swinging jaw, movable in relation to said fixed jaw, means for oscillating said swinging jaw toward and away from said fixed jaw, including an eccentric rotatably mounted on said frame and means for rotating it, an actuating member mounted for generally upright oscillation in response to said eccentric, a fixed abutment on said frame, said actuating member including a portion extending between said fixed abutment and said swinging jaw, a camming connection between said actuating member and said fixed abutment, and an opposite camming connection between said actuating member and said movable jaw, each said camming connection including roller and diametrically opposed plane bearings therefor, the faces of each pair of bearings being parallel, but inclined to the radius of said swinging jaw, the faces of each pair of bearings converging upwardly toward the faces of the opposite pair, and yielding means tending normally to urge said swinging jaw away from said fixed jaw, and for thereby maintaining said camming connections opposed.

2,575,302
HYDRAULIC LOG BARKING MACHINE HAVING SUPPORT FOR LOG-ROTATING ROLLERS TILTABLE TO LATERALLY DISCHARGE THE LOG
Ernest C. Shaw, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 16, 1946, Serial No. 670,133
7 Claims. (Cl. 144—208)

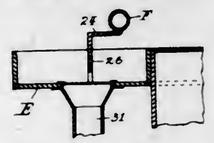
3. In a log handling device, a base, supporting structure mounted on said base, relatively stationary bearings in said structure, a log supporting roll rotatably carried in said bearings, a second log supporting roll cooperatively related to said first log supporting roll, roll supporting arms movably mounted on said base, bearings on said arms, said second roll being rotatably carried in

the bearings of said arms with its axis of rotation in parallel relation to the axis of rotation of said first roll, means for rotating one of said rolls and



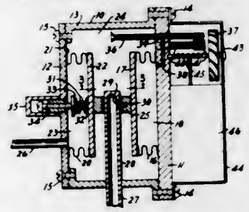
means for simultaneously moving said arms to variably incline the plane of the axes of rotation of said rolls.

2,575,303
SWIMMING POOL
Joseph T. Sparling, Los Angeles, Calif.
Application July 8, 1947, Serial No. 759,494
2 Claims. (Cl. 4—172)



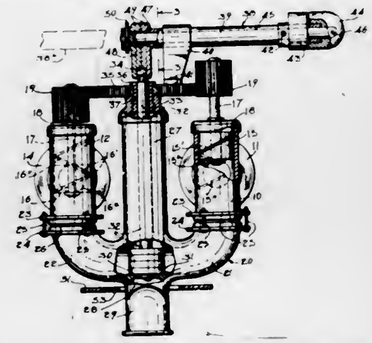
1. A swimming pool structure having panel ends, sides and floor welded together to produce a liquid holding bathing receptacle, said floor being of panel construction and having an end portion of wading depth, and a downwardly converging portion of diving depth adjacent thereto, vertically disposed reinforcing stiffeners at horizontally spaced intervals apart secured to the external surfaces of said ends and sides, a drain duct connected with the converging lowermost portion of said floor, an endless drain gutter around the rim of said pool structure adapted to receive overflow from the pool, a hand rail above the gutter extended continuously around the pool structure, and an endless longitudinal support for the hand rail extended inwardly over said gutter and shielding the hand rail to prevent contamination by the overflow liquid in said gutter.

2,575,304
FLUID ACTUATED INTEGRATOR
Emory Frank Stover, Wynnewood, Pa.
Application November 26, 1945, Serial No. 630,909
5 Claims. (Cl. 73—206)



1. In an integrator, a connection to a source of pressure fluid, a chamber with which said connection is in communication, means responsive to a variable quantity to be integrated, valve means controlled by said responsive means for controlling the pressure of the fluid from said connection to said chamber, a laminar flow tube having one end in communication with said chamber for the discharge of fluid therefrom in jet form at a velocity proportional to the first power of the variable quantity, and counter means including a movable member alined with the discharge end of said tube.

2,575,305
SINGLE-LEVER WATER CONTROL
Raymond Stryzakoski and Joseph Cartabellatto, New York, N. Y.
Application September 16, 1948, Serial No. 49,628
4 Claims. (Cl. 277—13)

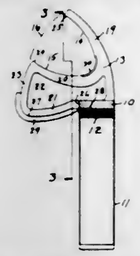


1. In a water control device having a faucet body including a delivery faucet and an upstanding conduit portion rising above the delivery faucet and connected to hot and cold water branch conduits including reciprocating shut-off valves having control pinions exposed on opposite sides of the conduit portion, a gear rotatively mounted on the top of the conduit portion and meshing with the pinions, a bracket mounted eccentrically on top of said gear, a tube having one end fixedly mounted in said bracket and its other end extended radially from said gear for turning the same, a valve seat within the faucet body below the conduit portion, a rod extended axially slidably through the conduit portion and having its top end projected from the top of the conduit portion, a valve member on the bottom of said rod for seating on said valve seat, a second rod rotatably extended through said tube and having its inner end extended from the inner end of said tube, and means connecting the inner end of said second rod to the top end of said first rod to cause said first rod to be raised and lowered raising and lowering said valve member relative to said valve seat as said second rod is rotated in one direction or the other.

2,575,306
HOLDER FOR TELEPHONE INSTRUMENTS
Lyle H. Van Dyke, Portland, Oreg.
Application May 26, 1947, Serial No. 750,445
1 Claim. (Cl. 179—157)

A holder for telephone hand pieces comprising a shoulder engaging strap, the middle portion of which is arcuate and the ends of which are tangent to the arcuate middle and form substantially a right angle with relation to each other, one tangent side constituting the top of the strap, an upright instrument holding unit

integral with said strap at the point of tangency between the curved center and the top side of the strap, said unit being characterized by having an open pocket formed therein conforming to the cross section of a hand piece handle, and the open end of said pocket having inturned latch ribs for latching a handle within the pocket and means for preventing slippage between the hand piece handle and the pocket,



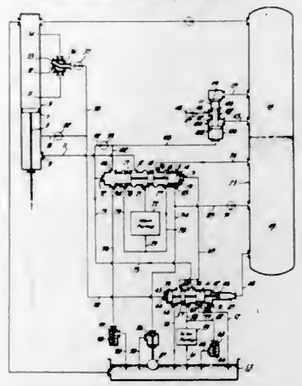
the axis of said pocket forming an acute angle with relation to the top of the strap at the point of tangency, the open side of said pocket overhanging the side of the strap nearest the ear of the user, said overhanging side having a supporting foot extending beyond the open side of the pocket and below the bottom of the topmost tangent strap portion said supporting foot being adapted to rest on the shoulder of the user.

2,575,307
PARAFFIN SCRAPER
James D. Walker, Loco Hills, N. Mex.
Application July 21, 1947, Serial No. 762,255
1 Claim. (Cl. 166—18)



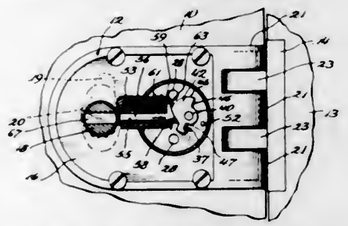
A go-devil paraffin removing tool for oil well tubing, said tool comprising an elongated tubular member provided with spaced annular scrapers which are rigidly secured to said tubular member exteriorly thereof, a pair of spaced external enlargements of annular form secured to said tubular member, elongated blades longitudinally and radially disposed with reference to and carried by said tubular member and by said scrapers, said blades extending between and beyond said scrapers and having slots therein, said slots being fitted on said scrapers, the portion of each blade located between said slots being of smaller width than the portions of each blade on the outer sides of said slots so that said portion of each blade between said slots fits upon said enlargements to provide bearing surfaces for said blades on said enlargements, means for varying the effective internal diameter of the tubular member, said means comprising a replaceable plug having a bore of particular size and communicating with the interior of said tubular member, and said plug being threaded in one end of said tubular member.

2,575,308
HYDRAULIC JACK
Ira Morgan White, Walnut Creek, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Application August 5, 1946, Serial No. 688,498
8 Claims. (Cl. 60—51)



3. In a hydraulic jack having a balancing tank for containing air and oil, a main pump, a control valve for governing oil flow to and from said tank through said main pump, and a scavenge pump for discharging oil into said tank under control of said valve, the combination of an air compressor discharging into said tank, means including said scavenge pump for driving said air compressor, and means responsive to the operation of said control valve for controlling said driving means.

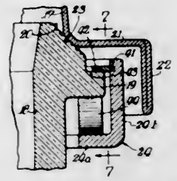
2,575,309
SAFETY LOCK
David Yachzel, Chicago, Ill.
Application April 22, 1948, Serial No. 22,569
2 Claims. (Cl. 70—186)



1. In a bolt lock, a casing, a shaft within said casing and rotatable from one position to another position 180 degrees displaced therefrom to project a bolt to extended position and reversely to retract the bolt, said shaft having a diametrically positioned hole therein exteriorly of the casing, a cylinder lock within a housing mounted on said casing, a cam rotatable by said cylinder lock when a key is inserted therein, parallel guide means extending from within the housing of the cylinder lock to adjacent said

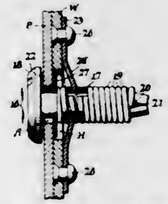
rotatable shaft, one of said parallel guide means having an inturned abutment at its end adjacent said rotatable shaft, a dog slidably mounted between said parallel guide means and having a projection at one end forming a follower for said cam, a spring positioned between said abutment on the guide means and said projection on the dog biasing the latter to inoperative position, said cam being effective to shift the dog against the action of said spring into the hole in said shaft in either of the positions of the latter.

2,575,310
SPRING BIASED SEALING DEVICE FOR SUPPORTING A LUMINAIRE BOWL ON THE REFLECTOR
Edward H. Yonkers, Glencoe, and James H. Fahey, Chicago, Ill., assignors to Joslyn Manufacturing and Supply Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1946, Serial No. 661,491
16 Claims. (Cl. 240—147)



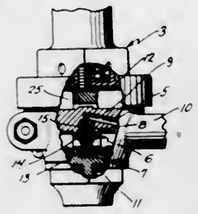
1. In a street lighting luminaire, a reflector, supporting means for said reflector held in sealed relationship therewith, a semi-spheroidal globe having an annular shoulder at its open end provided with a glass sealing surface, a ring for supporting said globe, resilient means interposed between said ring and said shoulder for floating said globe therein, cooperating locking means on said ring and globe respectively for holding said ring and globe together as a unitary assembly with said interposed resilient means under a predetermined compression, a cooperating metal sealing surface on said reflector for engaging said glass sealing surface to provide a dust and moisture tight seal therebetween, and releasable latching means for latching said ring to said reflector so as further to compress said resilient means and bias said sealing surfaces into sealing engagement.

2,575,311
SPRING THREADED BOLT FASTENING DEVICE
John K. Barry, Jr., Philadelphia, and William C. Hale, Jr., Chester, Pa., assignors to South Chester Corporation, Chester, Pa., a corporation of Delaware
Application November 14, 1949, Serial No. 127,176
4 Claims. (Cl. 85—1)



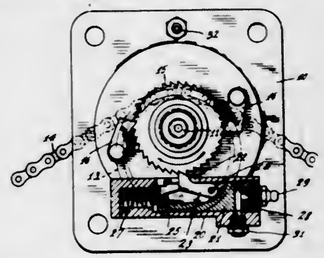
1. A fastening device comprising a stud having a head at one end, a helix of spring wire freely surrounding part of the length of the stud shank between the head and distal end, the convolutions of said helix being under such tension as to maintain said convolutions in direct contact with one another for substantially their entire length except for a few convolutions at the distal end which are spaced from one another and adapted to be put under compression, said helix being secured at its distal end to the shank at the end opposite the head but otherwise free to move in a direction parallel to the axis of the shank whereby said fastening device may be screwed through an opening in an element adapted to be engaged between said convolutions under tension to prevent loosening of the device under vibration.

2,575,312
REGULATOR NOZZLE
William C. Buttner, Winnetka, and Savin L. Sundstrom, Chicago, Ill., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application May 27, 1946, Serial No. 672,660
7 Claims. (Cl. 251—167)



6. In a regulator nozzle having an opening therethrough terminating in a valve port, a core supported in the end of said opening remote from said port, the periphery of said core being fluted and defining passages connecting the end of the nozzle to the middle of said opening and said core having an inner cavity whose open end faces said port, the inner cavity serving as a compression chamber to absorb the shock wave when gas under high pressure is introduced into the nozzle, and a pin supported by said core extending through said cavity to a point adjacent said port.

2,575,313
CHAIN TIGHTENER
William V. Covert and George G. Mize, Indianapolis, Ind., assignors to Diamond Chain Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application May 7, 1946, Serial No. 667,971
12 Claims. (Cl. 74—242.11)



1. In a chain-tightener, a sprocket, a bearing member on which said sprocket is rotatably mounted, a support from which said member is supported for adjustment about an axis eccentric

to the sprocket axis, an actuating member for adjusting said bearing member in a chain-tightening direction, means for preventing movement of said bearing member in the opposite direction, hydraulic means actuatable by fluid under pressure for applying to said actuating member a force tending to move it to cause chain-tightening adjustment of said bearing member, said hydraulic means being normally free from fluid pressure and inoperative to produce chain-tightening adjustment of said bearing member, a fitting adapted for temporary connection to a lubricant gun and communicating with said hydraulic means to permit the supply of fluid under pressure thereto from such gun, and a valve for limiting to a predetermined maximum the pressure of fluid actuating said hydraulic means.

2,575,314

PROCESS FOR RECOVERY OF CARBAZOLE

Paulus H. de Bruijn, Geleen, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands

No Drawing. Application June 5, 1950, Serial No. 166,289. In the Netherlands July 8, 1949

11 Claims. (Cl. 260—318)

1. A process for the recovery of carbazole from carbazole sulfate which comprises decomposing the carbazole sulfate by adding water thereto in sufficient quantity to form up to a 75% aqueous solution of sulfuric acid with the sulfuric acid of the carbazole sulfate in the presence of a water-immiscible organic solvent for carbazole and separating the resulting organic solution of carbazole from the aqueous sulfuric acid solution.

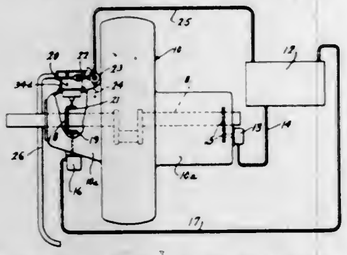
2,575,315

LUBRICANT FOAM CONTROL SYSTEM FOR ENGINES

Miles Lowell Edwards, Longview, Wash.

Application May 23, 1945, Serial No. 595,467

5 Claims. (Cl. 123—196)



5. In combination with an engine having an oil receiving crankcase with an opening in the upper portion thereof, an air and oil separator mounted over said opening of said crankcase to form an air vent for the crankcase and to return oil direct to the crankcase from oil foam spewing into the separator, a centrifugal air and oil separating rotor in said separator, a central shaft rotatably mounting said rotor and extending through said opening into said crankcase, said rotor having a central axial flow path around said shaft for substantially unimpeded flow of air therethrough to provide an open vent for the crankcase, said rotor having a flow path for oil surrounding said central axial flow path and having a peripheral outlet communicating with the crankcase for direct return of oil to the crankcase, and means in said crankcase coupled with said shaft for driving the rotor of said separator.

2,575,316

PROCESS FOR THE PRODUCTION OF PHOSPHORUS SULFOCHLORIDE

Heinz Jonas and Werner Thraum, Leverkusen, Germany, assignors to Farbenfabriken Bayer, Leverkusen, Germany, a manufacturing and trading organization of Germany

No Drawing. Application December 27, 1950, Serial No. 203,002. In Germany November 16, 1948

4 Claims. (Cl. 23—14)

1. In a process of preparing phosphorus sulfochloride ($PSCl_3$), by reacting phosphorus trichloride with sulfur, the step which comprises heating a mixture of phosphorus trichloride and sulfur in the presence of activated carbon.

2,575,317

PROCESS FOR THE PRODUCTION OF PHOSPHORUS SULFOCHLORIDE

Heinz Jonas and Werner Thraum, Leverkusen, Germany, assignors to Farbenfabriken Bayer, Leverkusen, Germany, a manufacturing and trading organization of Germany

No Drawing. Application December 27, 1950, Serial No. 203,003. In Germany February 21, 1949

6 Claims. (Cl. 23—14)

1. In a process of preparing phosphorus sulfochloride ($PSCl_3$) by reacting phosphorus trichloride with sulfur, the step which comprises heating a mixture of phosphorus trichloride, sulfur and sulfur mono-chloride (S_2Cl_2).

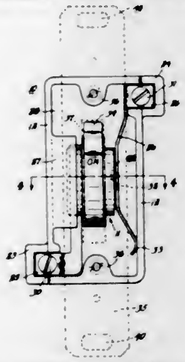
2,575,318

MERCURY SWITCH

Raymond P. Mattern, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 8, 1948, Serial No. 1,126

6 Claims. (Cl. 200—152)



1. A switch comprising, a casing member having a switch receiving recess and a boss portion integral therewith projecting into said recess, a rotatably operable mercury switch having two electrodes one of which electrode has a detent, a flexible connector member attached at one extremity to said casing member and having a curved portion conforming to one electrode of said switch making electrical contact therewith, said connector member biasing said switch into engagement with said boss portion, a second flexible electrode secured at one extremity to said casing member and having a projecting knob near its opposite extremity adapted to coact with said detent in said switch electrode making electrical contact therewith, said second named connector member biasing said switch in the direction of said boss and said first named connector member in a plane normal to the operation of said first named connector, said boss and said connector members cooperating to establish a stationary axis of rotation for said switch prohibiting axial movement of said switch while permitting rotational movement about said axis, and means operatively connected to said switch for rotating the same about said stationary axis.

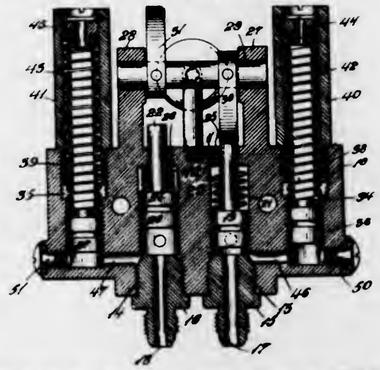
2,575,319

HYDRAULIC TRANSMITTER

Robert Stevenson, Barrington, R. I., assignor to Merit Engineering, Inc., a corporation of Rhode Island

Application June 17, 1946, Serial No. 677,371

1 Claim. (Cl. 60—54.6)



A hydraulic transmitter comprising a solid block having a pair of cylindrical bores each closed at one end by a wall of the block, closure means including a transmission conduit at the other end of each bore, a piston in each bore having a stem extending axially out of the bore through the said wall of the block, a spring in each bore encircling each stem and acting between said wall and piston to urge the piston in one direction, a shaft in the plane of said stems extending laterally of the axes of said stems, a pair of similar cams fixed on said shaft so that when the surface of one moves toward one stem the surface of the other moves away from the other stem, a handle on said shaft and stops limiting movement of said handle in opposite directions through 180 degrees, said block also having a pair of expansion chambers therein, one bore being connected in all positions of the piston therein with one chamber and the other bore being connected in all positions of the piston therein with the other chamber, a plunger in each chamber and a spring acting on each plunger to exert a pressure on the liquid in the chamber, bore and conduit system to maintain a substantially constant pressure therein.

2,575,320

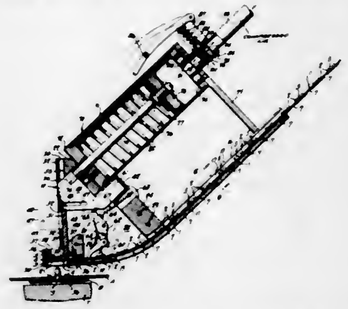
TOOL FOR APPLYING THREADLESS FASTENERS

George A. Tinnerman and James F. Rafferty, Cleveland, Ohio, assignors to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application June 10, 1948, Serial No. 32,146

10 Claims. (Cl. 81—3)

1. A tool for applying fasteners comprising a base including a chute for a strip of fasteners, a cutter bar on said base, a cross head mounted for reciprocation in said tool, a reciprocable ram adjacent an end of said chute movable transversely to the movement of said cross head and having a cutter edge on its lower end movable past said cutter bar, and interconnecting means between said cross head and ram for causing said movement of said ram, movably mounted feeding means adjacent said chute and engageable by said cross head to move said feeding means in one direction, and means urging



said movably mounted feeding means in the reverse direction, said cross head on operative movement causing said ram to sever a fastener from the strip and to apply the severed fastener, said cross head on operative movement engaging said movably mounted feeding means to set the same for feeding the strip and, on return movement of said cross head, disengaging from said feeding means to permit said feeding means to operate automatically to feed the strip and advance another fastener into position to be operated upon by said ram in a subsequent fastener applying operation.

2,575,321

ROTARY HOE DISK

Harry G. Traver, Cranford, N. J.

Application July 26, 1946, Serial No. 686,273

5 Claims. (Cl. 97—217)

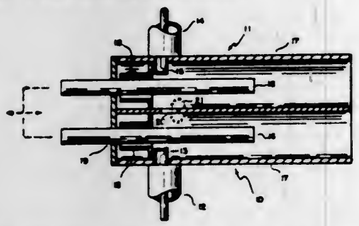


3. A rotary hoe comprising a disk arranged with radially extending ribs of channel shape in cross section with alternate ribs projecting from the opposite faces of the disk, and forks integral with and extending from the periphery of the disk in alinement with certain of said ribs projecting from the opposite faces of the disk and of channel shape in cross section corresponding to the cross sectional shape of the alined ribs, and alternate forks extending laterally from the face of the disk from which the alined ribs project.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

658,941. **ELECTRICAL WAVE FILTER.** Sam J. Griffin, La Jolla, Calif., assignor to the United States of America as represented by the Secretary of War. Filed Apr. 2, 1946. Published Nov. 13, 1951. Class 178—44. 1 sheet of drawings. 5 pages of specification.



The disclosure relates to a band-pass filter so constructed as to pass a substantially constant band of frequencies about a tunable center frequency and having a desired relation between the band width and the tunable center frequency.

Referring to the drawing, coaxial transmission lines **10** and **11** are sections open at one end and having input and output coaxial lines **12** and **14**, respectively, and coupling loops **13** and **15**, respectively, near the other end. Each section is short-circuited by quarter wave choke joint **18**. Center conductors **16** are relatively movable with respect to outer conductors **17** to effect tuning of sections **10** and **11**. Coupling aperture **20**, common to sections **10** and **11**, may be supplemented by coupling loop **21** if desired, or if necessary to secure a particular band pass vs. frequency characteristic. The desired relationship between the band width and the tuned center frequency of the filter may be attained by properly adjusting the dimensions and position of the aperture **20** and the coupling loop **21**, if used.

687,629. **ELECTROMAGNETIC RELAYS.** John I. Bellamy, Brookfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 1, 1946. Published Nov. 13, 1951. Class 175—372. 4 sheets of drawings. 59 pages of specification.



This application discloses electromagnetic relays so constructed that they make efficient use of the space they occupy on the switchboard, and are readily adaptable and adjustable to meet a large number of widely varying requirements.

Referring to Fig. 1 of the drawings, the relay includes an L-shaped magnetic return plate **2**, with the core **9** of the electromagnet secured thereto by screw **7**, which passes through an opening in the short arm of plate **2**. Winding **3** is wound between spoolheads **8** and **9**, and has the terminals **10** secured to the rear spoolhead **9**. The front spoolhead has a flat upper side which firmly engages the under side of the forward end of plate **2** to maintain the assembled structure rigid.

The switch assembly comprises two parallel columns of contact blades fixed in position in the clamped assembly **30**, which includes insulating plates **36**, **38**, **40**, and **42** clamped between plates **34** and **43** by clamping screws **44**. Two assembly screws **45** secure assembly **30** to return plate **2**.

Armature **5** is pivoted on pivot rod **18**, which is supported by a pair of ears **17** affixed to the magnetic pivot bracket **15**, and part **15** is secured to return plate **2** by a pair of screws **16**, the sides of the armature being suitably notched to give access to the heads of the screws.

The magnetic return airgap between the magnetic member **15** and the overlying intermediate portion of the armature has a comparatively large area. Because of the consequent low reluctance of this airgap, the pivot location of the relay is not required to be adjustable, as it is on many generally similar relays.

The columns of contact blades **31** are controlled by armature **5** through insulating members **48** which rest in openings provided in the contact blades. For this purpose, armature **5** has a T-shaped rearward extension **22** having end portions underlying the respective columns. The normal retracted position of armature **5** is determined by a rearwardly extending backstop arm **23**, which rests on the forward end of nonmagnetic plate **25**, whereby the armature is kept out of direct restraining contact with return plate **2**.

The upright actuating pole member **4** underlies the forward end of armature **5**. Member **4** is secured to the front end of core **6** by screw **11**, which passes through a vertically slotted opening in member **4** to permit the vertical position thereof to be adjusted as required. Turning of the part **4** incidental to the tightening of screw **11** is restrained by washer-like member **12**, which has a rearwardly extending portion which enters locating opening **14** in spoolhead **8**.

When winding **3** is energized, pole member **4** attracts the front end of armature **5** downwardly, part **22** moving upwardly to actuate contact blades **31**. The movement of the armature is stopped by nonmagnetic stop member **19**, secured to the upper face of part **15**, before part **5** contacts part **4**, thereby leaving a so-called "residual" gap between the parts. The length of this gap is adjusted by temporarily loosening screw **11** and moving part **4** up or down as required.

Actuating arm **22** is bendable according to the desired operated position of the contact blades **31**, and backstop arm **23** is bendable to set the normal position of the armature according to the desired length of the stroke.

771,705. **METHOD OF MAKING NEPTUNIUM OXYHALIDE.** Sherman Fried, Chicago, Ill. Filed Sept. 2, 1947. Published Nov. 13, 1951. Class 23—14.5. No drawing. 7 pages of specification.

This disclosure relates to oxyhalides of neptunium of which $NpOBr_2$ and $NpOCl_2$ are representative and further relates to a method for their preparation.

Oxyhalides of neptunium are formed by heating a halide of neptunium at a temperature elevated above normal room temperature, suitably between 300 and 1000° C. and preferably between 400 and 800° C. for the tetrahalides, in the presence of oxygen or an oxygen-containing compound such as water and mixtures thereof. The preferred temperature range for the preparation of neptunium oxydichloride is between 400 and 600° C., while 400 to 500° C. is the preferred range of temperature for the preparation of neptunium oxydibromide. More satisfactory yields of oxyhalide are obtained whenever the halide is heated in the presence of an amount of the oxygen-containing substance sufficient to afford the stoichiometric amount of oxygen.

The products formed by the process of this disclosure are readily decomposed by heat to the oxide, which compound is a reactive starting material useful in the preparation of other compounds of neptunium which are suitable for reduction to metal.

It is postulated that the oxyhalide of neptunium is formed by hydrolysis of the halide. The hydrolysis of the tetrahalide serves as a case in point.

$$NpCl_4+H_2O\rightarrow NpOCl_2+2HCl$$

It is also postulated that neptunium halide can be oxygenated by heating in the presence of a substance such as oxygen thereby yielding oxyhalide and free halogen.

$$2NpCl_4+O_2\rightarrow 2NpOCl_2+2Cl_2$$

Example I

Neptunium tetrachloride was heated overnight at a temperature of about 450° C. within a sealed evacuated quartz capillary. Oxygen was present in the walls of the capillary in an amount sufficient to oxygenate the $NpCl_4$ to $NpOCl_2$. The product formed in clumps of light yellow needles which sublimed at a temperature between 550 and 560° C. The sublimed product examined by means of the X-ray diffraction technique was identified as $NpOCl_2$, isomorphous with $UOCl_2$.

Example II

A microgram sample of neptunium tetrabromide was heated in the presence of water vapor within a sealed quartz capillary vertically suspended within a chamber bored through the center of a stainless steel heating block which was wound with nickel-chromium resistance wire for heating. After heating to 464 to 468° C., the capillary showed a substance resembling yellow needles, which proved to be $NpOBr_2$, as was shown by its X-ray diffraction pattern.

Example III

A sample of neptunium tetrachloride was placed in a quartz capillary which had been neither dried nor evacuated prior to heating in the apparatus described for the previous example. At 538° C. clumps of light yellow needles were observed. It was proved to be $NpOCl_2$, isomorphous with $UOCl_2$.

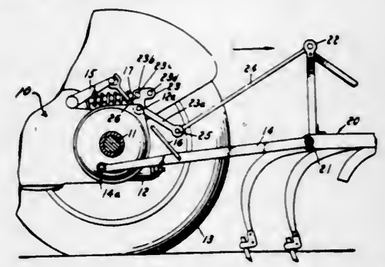
Example IV

A microgram sample of neptunium triiodide, in a quartz capillary whose walls contained adsorbed oxygen and water, was heated to 760 to 772° C. The compound obtained was neptunium oxyiodide.

790,115. **RECORDING PAPER.** Alexander Murray, Rochester, N. Y. Filed Dec. 6, 1947. Published Nov. 13, 1951. Class 346—135. 1 sheet of drawings. 6 pages of specification.

A process of printing is described employing a heat-sensitive material consisting essentially of a coating of opaque white wax or the equivalent on a black porous support such as paper. A heat image projected on or defined by a shadow falling on this material causes the wax to melt into the black support giving an immediately apparent print. For convenience in use, the coating may be in a continuous or powdered form which preferably melts at a temperature between 100° F. and 200° F. Palmitic acid alone or with 20% by weight of powdered aluminum hydroxide to improve whiteness is an example of a suitable coating. The coating should be thick enough to appear fairly white or highly colored but thin enough to melt through rapidly and to soak substantially completely into the paper.

99,751. **HITCH FOR REVERSE OPERATION OF TRACTOR.** Guy G. Spokely, Clarkston, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware. Filed June 17, 1949. Published Nov. 13, 1951. Class 97—50. 1 sheet of drawings. 9 pages of specification.

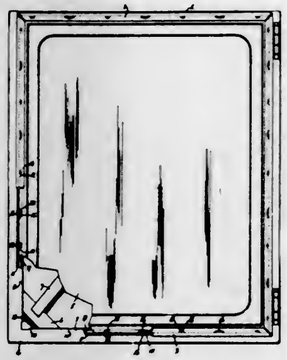


This disclosure relates to a hydraulically-controlled tractor hitch for coupling ground-engaging implements to a tractor for implement operation during tractor travel in either a forward or a reverse direction. During forward travel of a trailing implement connected through a conventional three point linkage to a tractor, the linkage top link is placed under a compressive load which is imposed upon a tractor mounted hydraulic control system to maintain the implement at constant draft by controlling the vertical positioning of the lower links. However, if the tractor is operated in a reverse direction, the top link is placed under a tension load, and proper implement operation in accordance with implement draft is impossible.

Applicant provides a first class lever **23** mounted intermediate its ends on a tractor support **12a** and having one of its ends connected, as at **23c**, to the hydraulic control and having its other end connected, as at **25**, to the tractor top link **24** which has its trailing end pivoted at **22** to the ground-engaging implement **20**. Thus, although the ground reactance force on the implement **20** produces a tensile force on the top link **24**, by virtue of the implement being pushed by the tractor, the translating lever **23** converts this tensile force to a compressive force acting on the control member **17**. The same linkage may be employed when the implement is trailed behind the

tractor in the conventional manner by connecting the forward end of the top link to the lever **23** at the aperture **23***d*, so that no translatory action of the lever **23** is obtained. Applicant also provides a modified form of hitch functionally equivalent to that above disclosed wherein a substantially horizontally extending top link is utilized.

137,133. **REFRIGERATOR DOOR CONSTRUCTION.** George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York. Filed Jan. 6, 1950. Published Nov. 13, 1951. Class 20—35. 2 sheets of drawings. 10 pages of specification.



The application discloses a door structure including an outer door **4**, an inner door **5**, a retainer **8** and a gasket **3**. The outer door, gasket and retainer are first formed as a subassembly by screws **12** received in alternate openings **10** in the outer door. The gasket has one end held against the outer door by the retainer and said gasket has a free end extending inwardly over the retainer to cover said retainer. The inner door **5** is placed against the subassembly with its edges placed between the retainer **8** and the free end of the gasket **3**. The edges of the inner door **5** are notched at **13** to fit around the screws **12**. The inner door is secured in place by clips **15** held by screws **16** that extend through said clips **15** and the retainer **8** and are received in the remaining openings **11** in the outer door **4**.

172,090. **REVERSIBLE PROPELLER.** Maurice E. Cushman, Verona, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware. Filed July 5, 1950. Published Nov. 13, 1951. Class 170—160.16. 2 sheets of drawings. 16 pages of specification.

This discloses apparatus and a technique for a reversible pitch aeronautical propeller, for the purpose of operating a propeller in either normal forward pitch or in reverse pitch in such a manner that the stresses due to blade bending moments from forward or rearward propeller thrust are minimized. The pitch changing mechanism in the propeller of any suitable type, is so arranged as to alter pitch through an angle of substantially 175° between a normal forward pitch position, designated N, through the angle **14** to a reverse pitch position, designated R, the leading edge of the propeller blade in all positions of pitch adjustment lying forward of the propeller plane of rotation. The propeller blade, in moving from the normal to the reverse pitch positions increases its positive pitch through the feathering position so that when reverse pitch is attained, the normal trailing edge of the propeller blade becomes the leading edge for reverse pitch purposes. Further, the propeller blades are forwardly sloped through a small angle designated α when they are in the normal pitch position to reduce the blade bending moments due to thrust. The center of gravity of a blade section is shown at **13** and lies forwardly of the blade center of

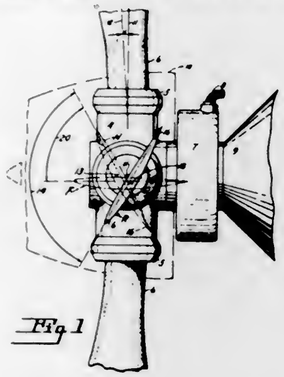
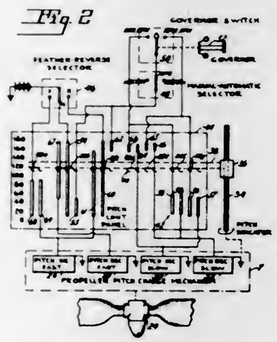


Fig. 1

Fig. 2



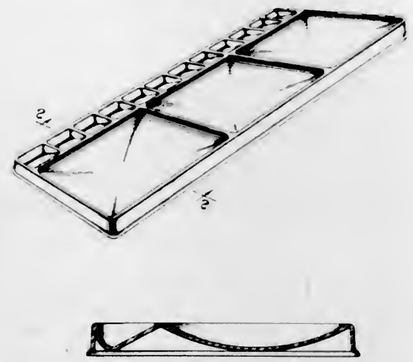
pitch rotation **11** when in the forward pitch position. When pitch is reversed to the position R, the blade center of gravity at **18** lies rearwardly of the blade center of rotation **11** to enable a reduction of blade bending moments when the thrust acts rearwardly against the propeller. The disclosure also suggests pitch changing mechanism by which transition from the normal forward pitch range to the reverse pitch range and vice versa is accomplished at a very high rate of pitch change to minimize the possibility of propeller and engine stalling. Limit stops are proposed to enable the propeller to be positioned for feathering.

An example of a means to carry out control of the propeller is shown in Figure 2.

DESIGNS

NOVEMBER 13, 1951

165,128
ARTIST'S PALETTE OR THE LIKE
George J. Blacher, Pasadena, Calif.
Application June 8, 1950, Serial No. 10,400
Term of patent 14 years
(Cl. D74—1)



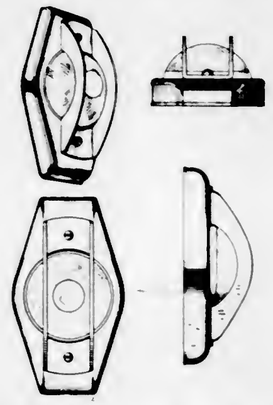
The ornamental design for an artist's palette or the like, substantially as shown.

165,129
LADY'S STOCKING
William G. Bley, Philadelphia, Pa., assignor of one-half to said William G. Bley and Richard C. Spurgeon, co-partners trading under the name of Bley & Spurgeon, Philadelphia, Pa., and one-half to Sanson Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Delaware
Application June 23, 1950, Serial No. 10,723
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown.

165,130
COMBINED SIGNAL LAMP AND GUARD
Clark M. Bolser, Cedar Falls, Iowa, assignor to The Bolser Corporation, Cedar Falls, Iowa, a corporation of Iowa
Application April 28, 1951, Serial No. 15,011
Term of patent 14 years
(Cl. D72—1)

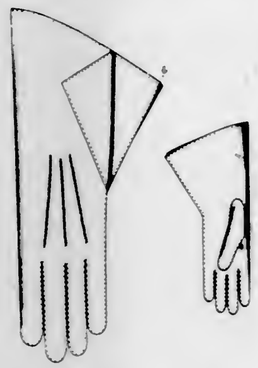


The ornamental design for a combined signal lamp and guard, substantially as shown.

165, 129—Continued



165,131
GLOVE
Elias Breath, New York, N. Y.
Application November 25, 1950, Serial No. 13,122
Term of patent 3½ years
(Cl. D3—11)



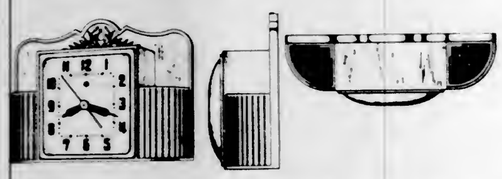
The ornamental design for a glove, substantially as shown.

165,132
CLOCK CASE
Leo I. Bruce, Framingham Center, Mass., assignor to General Electric Company, a corporation of New York
Application August 11, 1951, Serial No. 16,238
Term of patent 14 years
(Cl. D42—7)



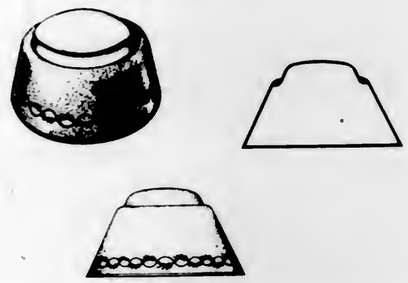
The ornamental design for a clock case, as shown.

165,133
CLOCK CASE
Leo I. Bruce, Framingham Center, Mass., assignor to General Electric Company, a corporation of New York
Application August 22, 1951, Serial No. 16,409
Term of patent 14 years
(Cl. D42—7)



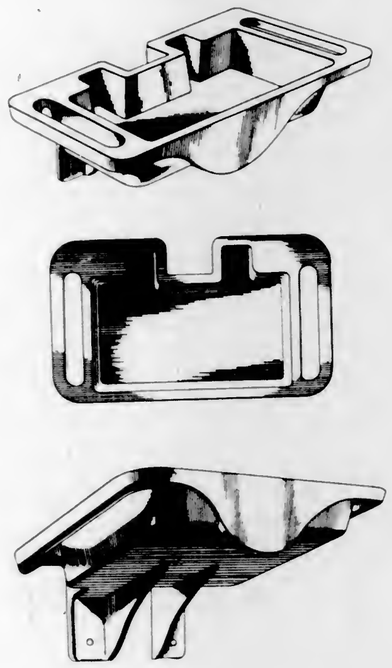
The ornamental design for a clock case, as shown.

165,134
SWITCH
Arnold J. Burger, New York County, N. Y.
Application October 29, 1949, Serial No. 5,785
Term of patent 7 years
(Cl. D26—13)



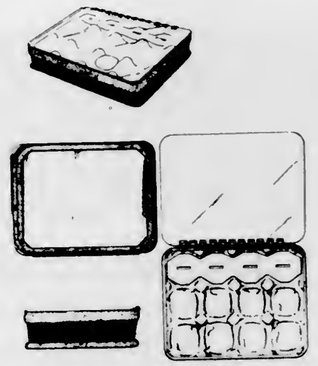
The ornamental design for a switch, as shown.

165,135
RECEPTACLE FOR TOILET ARTICLES
Clarence C. Christensen, Muskegon, Mich., assignor, by mesne assignments, to James J. Hamm
Application August 8, 1949, Serial No. 4,362
Term of patent 3½ years
(Cl. D4—3)



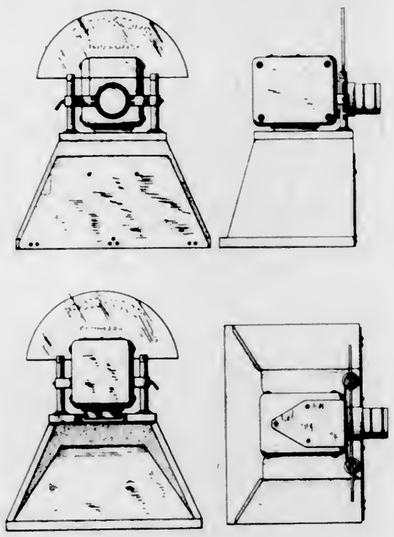
The ornamental design for a receptacle for toilet articles, substantially as shown.

165,136
JEWELRY CASE
Ivy Coryne Davidson, Los Angeles, Calif.
Application January 9, 1951, Serial No. 13,719
Term of patent 14 years
(Cl. D80—5)



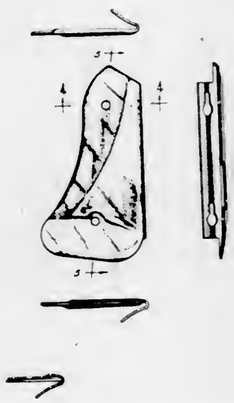
The ornamental design for a jewelry case, as shown.

165,137
APPARATUS FOR DETERMINING THE APPLICATION OF COSMETICS
Serge de Gorin, Hollywood, Calif., assignor to Coty, Inc., Wilmington, Del., a corporation of Delaware
Application August 4, 1951, Serial No. 16,158
Term of patent 14 years
(Cl. D57—1)



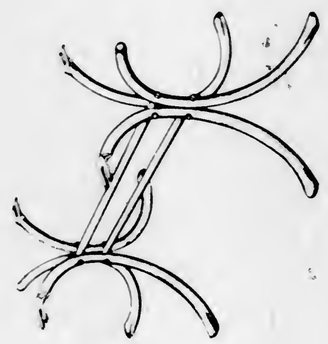
The ornamental design for an apparatus for determining the application of cosmetics, as shown.

165,138
PILLAR MOUNTING BRACKET FOR AUTOMOBILE VISOR
Richard E. Dieterich, Long Beach, Ind.
Application June 23, 1950, Serial No. 10,720
Term of patent 14 years
(Cl. D14—6)



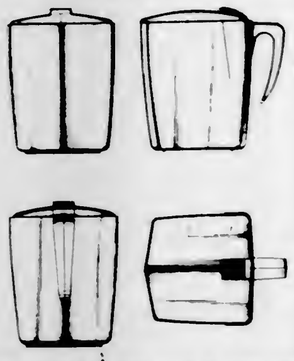
The ornamental design for a pillar mounting bracket for automobile visor, substantially as shown and described.

165,139
TUBULAR METAL TABLE BASE
Frederick L. Duer, Bellwood, Ill.
Application September 30, 1948, Serial No. 148,883
Term of patent 14 years
(Cl. D33—14)



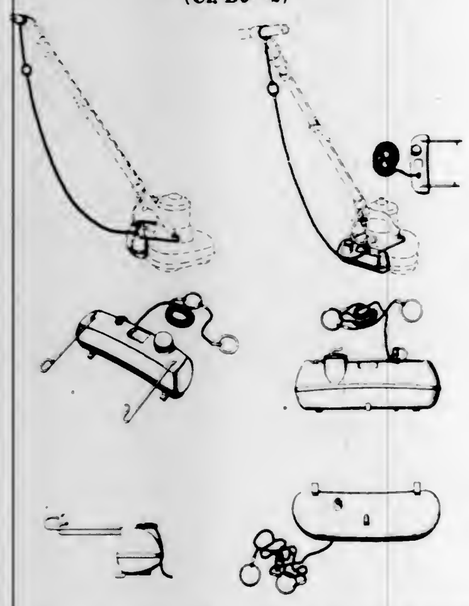
The ornamental design for a tubular metal table base, as shown.

165,140
POURING CANISTER
Jack Fairchild Fleming, Yonkers, N. Y., assignor to Sterling Plastics Company, Union, N. J., a corporation of New Jersey
Application September 22, 1950, Serial No. 12,304
Term of patent 14 years
(Cl. D44—6)



The ornamental design for a pouring canister, substantially as shown and described.

165,141
LIQUID DISPENSER FOR SURFACE TREATING MACHINES
Axel Albert Forsberg, Stora Essingen, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application October 17, 1950, Serial No. 12,586
In Sweden June 19, 1950
Term of patent 14 years
(Cl. D9—2)



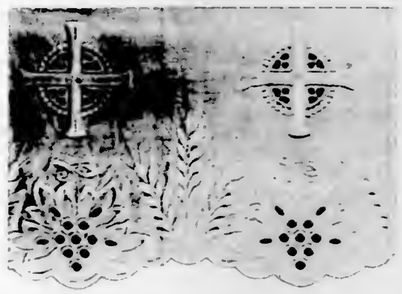
The ornamental design for a liquid dispenser for surface treating machines, as shown and described.

165,142
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,313
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a liturgical flouncing, substantially as shown and described.

165,143
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,314
Term of patent 7 years
(Cl. D92—1)



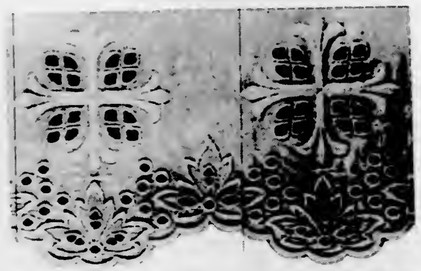
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,144
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,315
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a liturgical flouncing, substantially as shown and described.

165,145
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,316
Term of patent 7 years
(Cl. D92—1)



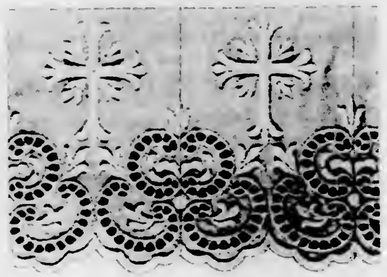
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,146
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,317
Term of patent 7 years
(Cl. D92—1)



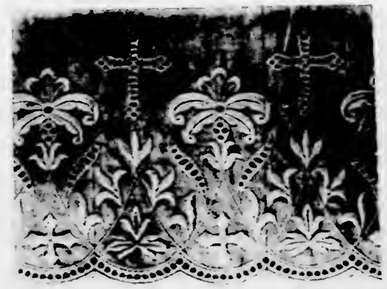
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,147
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,318
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a liturgical flouncing, substantially as shown and described.

165,148
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,319
Term of patent 7 years
(Cl. D92—1)



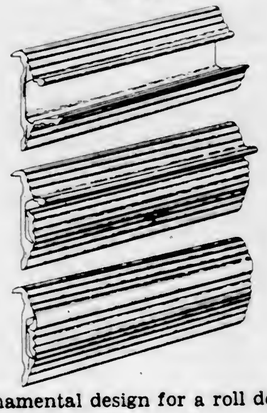
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,149
DRESS ENSEMBLE
Theresa M. Fritz, New York, N. Y.
Application November 2, 1950, Serial No. 12,823
Term of patent 3½ years
(Cl. D3—26)



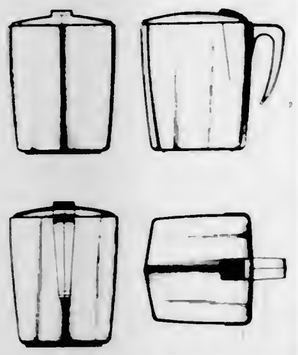
The ornamental design for a dress ensemble, substantially as shown.

165,150
ROLL DOWN NOSING
Paul C. Gebhard, Youngstown, Ohio, assignor to Youngstown Manufacturing, Inc., Youngstown, Ohio, a corporation of Ohio
Application April 29, 1950, Serial No. 9,572
Term of patent 14 years
(Cl. D54—2)



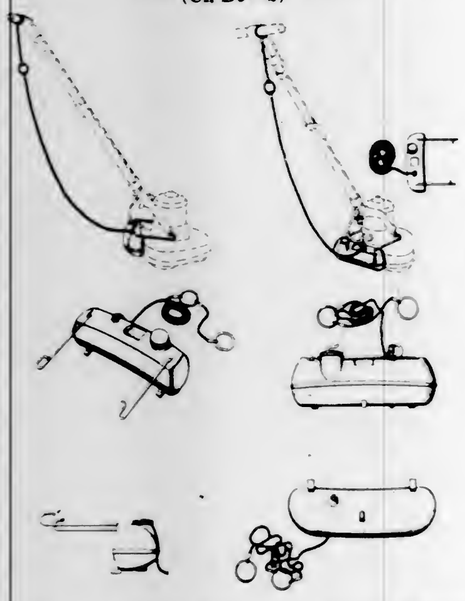
The ornamental design for a roll down nosing, as shown.

165,140
POURING CANISTER
Jack Fairchild Fleming, Yonkers, N. Y., assignor to Sterling Plastics Company, Union, N. J., a corporation of New Jersey
Application September 22, 1950, Serial No. 12,304
Term of patent 14 years
(Cl. D44—6)



The ornamental design for a pouring canister, substantially as shown and described.

165,141
LIQUID DISPENSER FOR SURFACE TREATING MACHINES
Axel Albert Forsberg, Stora Essingen, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application October 17, 1950, Serial No. 12,586
In Sweden June 19, 1950
Term of patent 14 years
(Cl. D9—2)



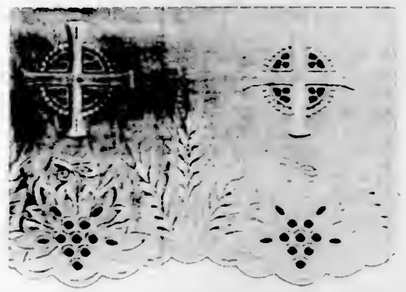
The ornamental design for a liquid dispenser for surface treating machines, as shown and described.

165,142
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,313
Term of patent 7 years
(Cl. D92—1)



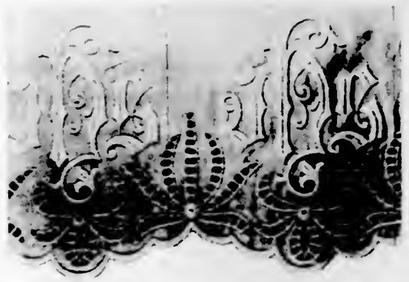
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,143
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,314
Term of patent 7 years
(Cl. D92—1)



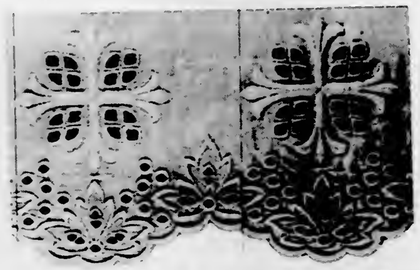
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,144
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,315
Term of patent 7 years
(Cl. D92—1)



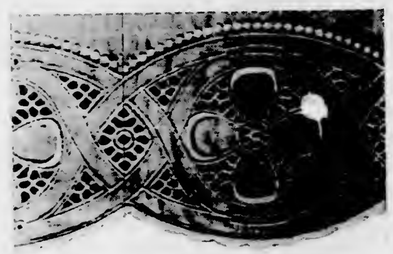
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,145
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,316
Term of patent 7 years
(Cl. D92—1)



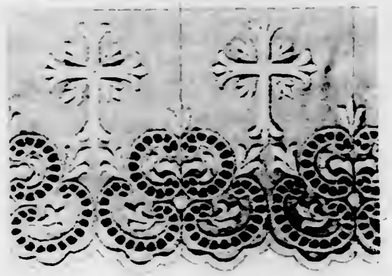
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,146
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,317
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a liturgical flouncing, substantially as shown and described.

165,147
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,318
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a liturgical flouncing, substantially as shown and described.

165,148
LITURGICAL FLOUNCING
Otto Frei, New York, N. Y.
Application December 7, 1950, Serial No. 13,319
Term of patent 7 years
(Cl. D92—1)



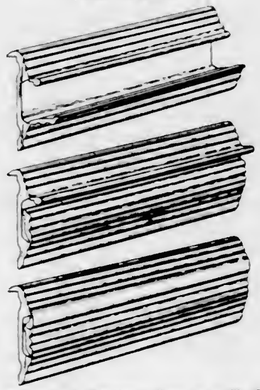
The ornamental design for a liturgical flouncing, substantially as shown and described.

165,149
DRESS ENSEMBLE
Theresa M. Fritz, New York, N. Y.
Application November 2, 1950, Serial No. 12,823
Term of patent 3½ years
(Cl. D3—26)



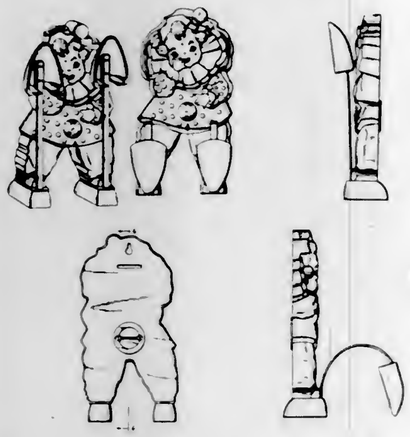
The ornamental design for a dress ensemble, substantially as shown.

165,150
ROLL DOWN NOSING
Paul C. Gebhard, Youngstown, Ohio, assignor to Youngstown Manufacturing, Inc., Youngstown, Ohio, a corporation of Ohio
Application April 29, 1950, Serial No. 9,572
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a roll down nosing, as shown.

165,151
COMBINATION TOY BANK AND SHOE TREES
Jules Golden, Bronxville, N. Y.
Application January 19, 1951, Serial No. 13,881
Term of patent 7 years
(Cl. D34—11)



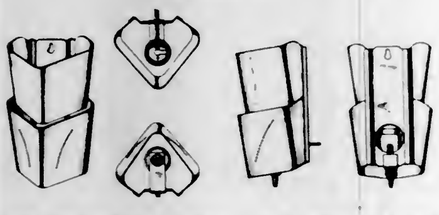
The ornamental design for a combination toy bank and shoe trees, as shown.

165,152
WATCHCASE
Joseph Granat, San Francisco, Calif.
Application December 8, 1950, Serial No. 13,335
Term of patent 14 years
(Cl. D42—8)



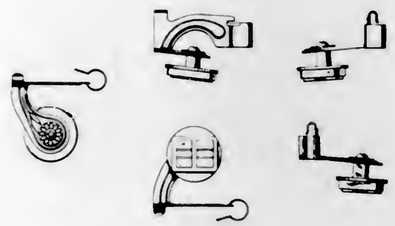
The ornamental design for a watchcase, substantially as shown and described.

165,153
WALL-MOUNTED LAMP OR SIMILAR ARTICLE
Robert S. Gregg, Fredericktown, Ohio, assignor to The Gregg Manufacturing Company, Fredericktown, Ohio, a corporation of Ohio
Application September 10, 1951, Serial No. 16,598
Term of patent 14 years
(Cl. D48—4)



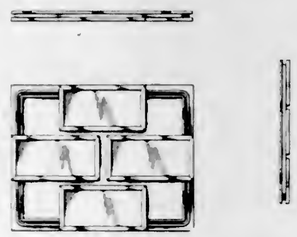
The ornamental design for a wall-mounted lamp or similar article, substantially as shown.

165,154
MAGNETIC LID-HOLDING ATTACHMENT FOR A CAN OPENER
William E. Gundelfinger, St. Louis County, Mo.
Application May 16, 1951, Serial No. 15,196
Term of patent 7 years
(Cl. D22—2)



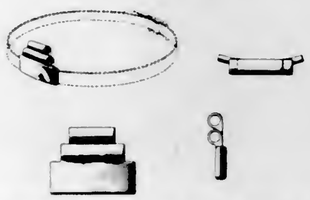
The ornamental design for a magnetic lid-holding attachment for a can opener, substantially as shown.

165,155
POSTER PANEL
Clark H. Hammond, Chicago, Ill., assignor to General Outdoor Advertising Company, Inc., Chicago, Ill., a corporation of New Jersey
Application October 6, 1949, Serial No. 5,332
Term of patent 14 years
(Cl. D1—12)



The ornamental design for a poster panel, as shown.

165,156
PEN AND PENCIL HOLDER
Belle A. Kandarian, Fresno, Calif.
Application May 12, 1950, Serial No. 9,895
Term of patent 14 years
(Cl. D74—21)



The ornamental design for a pen and pencil holder, as shown and described.

165,157
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 19, 1951, Serial No. 15,957
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,158
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,032
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,159
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,033
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,160
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,034
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,161
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,035
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,162
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,037
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,163
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,038
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,164
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,039
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,165
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,071
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,166
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,072
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,167
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,073
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,168
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,076
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,169
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,077
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,170
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,078
Term of patent 7 years
(Cl. D45—19)



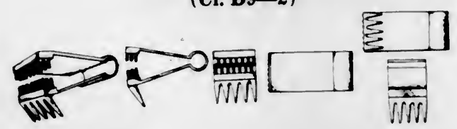
The ornamental design for a brooch or the like, substantially as shown.

165,171
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,079
Term of patent 7 years
(Cl. D45—19)



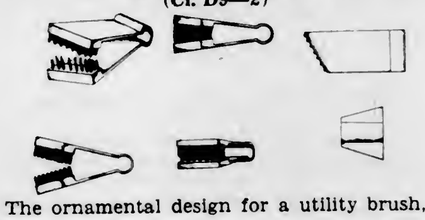
The ornamental design for a brooch or the like, substantially as shown.

165,172
UTILITY BRUSH
John W. Kaye, San Antonio, Tex.
Application November 6, 1950, Serial No. 12,862
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a utility brush, as shown.

165,173
UTILITY BRUSH
John W. Kaye, San Antonio, Tex.
Application November 6, 1950, Serial No. 12,863
Term of patent 14 years
(Cl. D9—2)



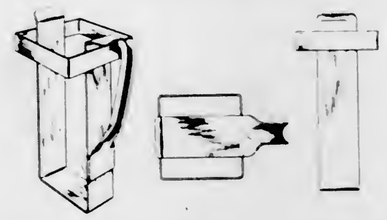
The ornamental design for a utility brush, as shown.

165,174
UTILITY BRUSH
John W. Kaye, San Antonio, Tex.
Application November 6, 1950, Serial No. 12,864
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a utility brush, as shown.

165,175
CONTAINER HOLDER OR SIMILAR ARTICLE
Alvis N. Kerr, Dallas, Tex.
Application January 20, 1951, Serial No. 13,890
Term of patent 3½ years
(Cl. D44—24)



The ornamental design for a container holder or similar article, as shown.

165,176
RUBBER OVERSHOE
Justin Loewengart, New York, N. Y.
Application May 2, 1951, Serial No. 15,039
Term of patent 7 years
(Cl. D7—4)



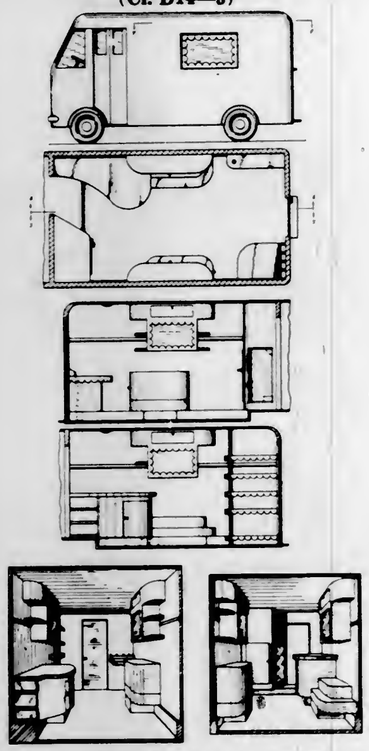
The ornamental design for a rubber overshoe, substantially as shown and described.

165,177
OPHTHALMOSCOPE HEAD
Walter K. Long, Auburn, N. Y., assignor to Welch Allyn, Inc., Auburn, N. Y., a corporation of New York
Application August 20, 1951, Serial No. 16,380
Term of patent 14 years
(Cl. D57—1)



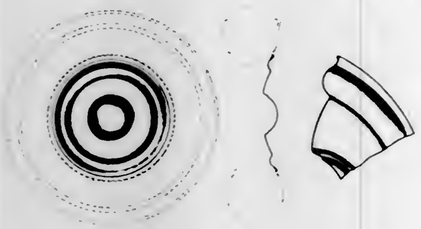
The ornamental design for an ophthalmoscope head, as shown.

165,178
MOBILE FLOWER SHOP
Ray C. Ludwig, Englewood, Colo.
Application June 17, 1949, Serial No. 3,378
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a mobile flower shop, as shown and described.

165,179
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application March 1, 1950, Serial No. 8,238
Term of patent 14 years
(Cl. D14—30)



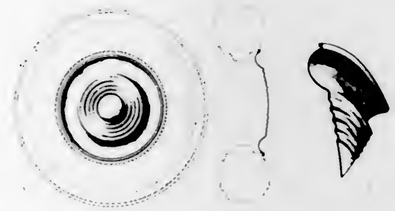
The ornamental design for a wheel cover or similar article, substantially as shown and described.

165,180
WHEEL COVER MEMBER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application January 2, 1951, Serial No. 13,646
Term of patent 14 years
(Cl. D14—30)



The ornamental design for a wheel cover member or similar article, substantially as shown and described.

165,181
WHEEL COVER MEMBER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application January 4, 1951, Serial No. 13,666
Term of patent 14 years
(Cl. D14—30)



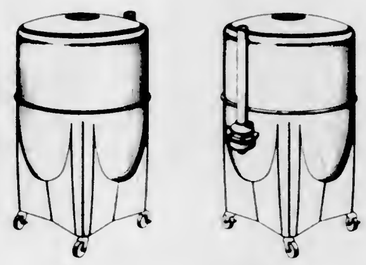
The ornamental design for a wheel cover member or similar article, substantially as shown and described.

165,182
WHEEL COVER MEMBER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application January 18, 1951, Serial No. 13,856
Term of patent 14 years
(Cl. D14—30)



The ornamental design for a wheel cover member or similar article, substantially as shown and described.

165,183
CLOTHES-WASHING MACHINE
Joseph R. Mango, Chicago, Ill., assignor to Thor Corporation, Chicago, Ill., a corporation of Illinois
Application October 30, 1950, Serial No. 12,779
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a clothes-washing machine, substantially as shown.

165,184
LENS PANEL FOR DIRECT LIGHTING FIXTURES
Robert G. McPhail, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application December 2, 1950, Serial No. 13,240
Term of patent 14 years
(Cl. D48—16)

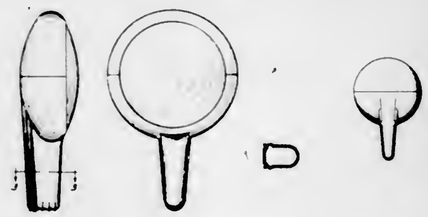
The ornamental design for a lens panel for direct lighting fixtures, as shown and described.

165,185
PORTABLE SPOTLIGHT
David M. Morgenstern, Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill., a corporation of Illinois
Application February 8, 1951, Serial No. 14,145
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a portable spotlight, as shown.

165,186
PORTABLE SPOTLIGHT
David M. Morgenstern, Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill., a corporation of Illinois
Application February 8, 1951, Serial No. 14,146
Term of patent 7 years
(Cl. D48—20)



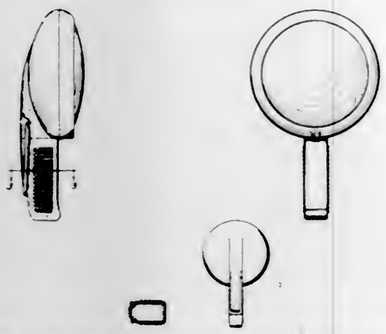
The ornamental design for a portable spotlight, as shown.

165,187
PORTABLE SPOTLIGHT
David M. Morgenstern, Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill., a corporation of Illinois
Application February 8, 1951, Serial No. 14,147
Term of patent 14 years
(Cl. D48—20)



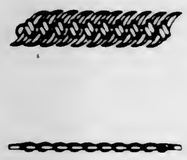
The ornamental design for a portable spotlight, as shown.

165,188
PORTABLE SPOTLIGHT
David M. Morgenstern, Euclid, Ohio, assignor to Nelmor Corporation, Chicago, Ill., a corporation of Illinois
Application February 8, 1951, Serial No. 14,148
Term of patent 7 years
(Cl. D48—20)



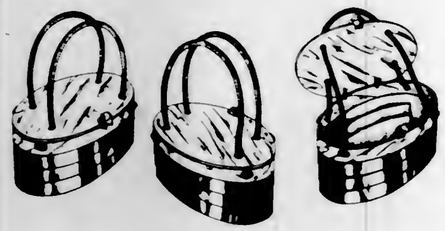
The ornamental design for a portable spotlight, as shown.

165,189
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 9, 1951, Serial No. 15,803
Term of patent 7 years
(Cl. D45—16)



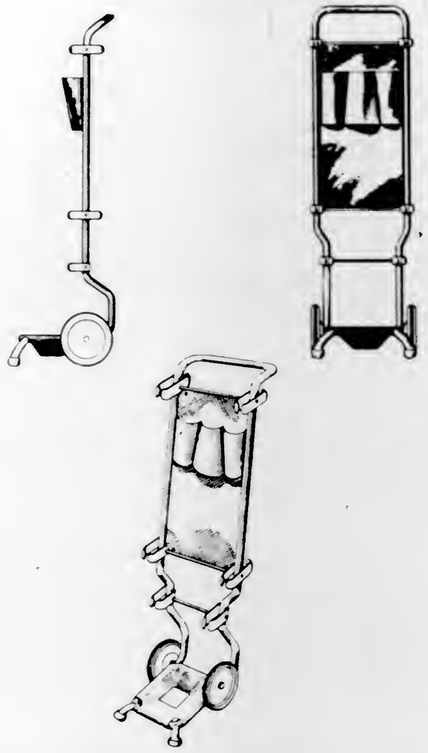
The ornamental design for a link chain for a necklace or the like, substantially as shown.

165,190
HANDBAG
Irving Pichel, New York, N. Y.
Application June 27, 1951, Serial No. 15,675
Term of patent 3½ years
(Cl. D87—3)



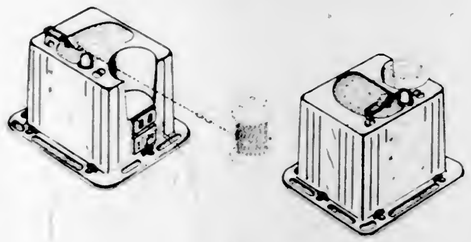
The ornamental design for a handbag, substantially as shown.

165,191
VACUUM CLEANER CART
Clarence D. Reece, Minneapolis, Minn.
Application June 7, 1950, Serial No. 10,391
Term of patent 14 years
(Cl. D14—3)



The ornamental design for vacuum cleaner cart, as shown.

165,192
PORTABLE WARNING DEVICE
Samuel Reuben, Jr., Chicago, Ill.
Application August 9, 1951, Serial No. 16,213
Term of patent 14 years
(Cl. D26—5)



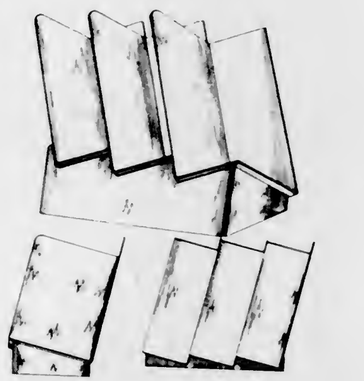
The ornamental design for a portable warning device, substantially as shown and described.

165,193
PLATE OR SIMILAR ARTICLE
George Rudd, Bedford, Ohio, assignor to The Walker China Company, Bedford, Ohio
Application June 21, 1951, Serial No. 15,620
Term of patent 14 years
(Cl. D44—15)



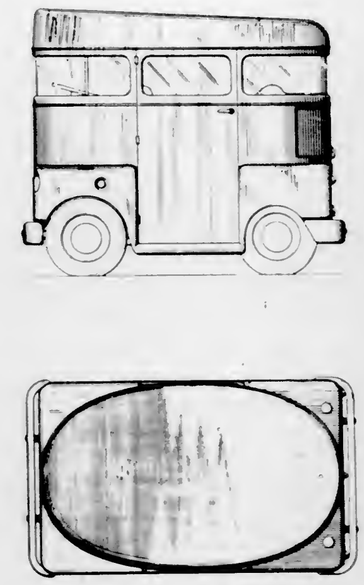
The ornamental design for a plate or similar article, substantially as shown and described.

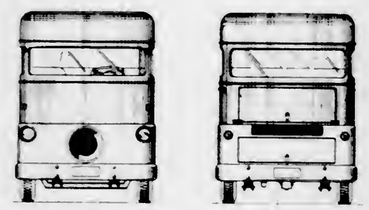
165,194
DESK RACK
Samuel S. Schiffer, New York, N. Y.
Application August 24, 1951, Serial No. 16,422
Term of patent 14 years
(Cl. D33—2)

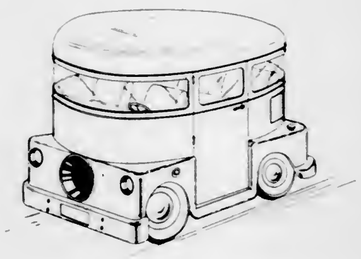


The ornamental design for a desk rack, as shown.

165,195
AUTOMOBILE
Peter Schlumbohm, New York, N. Y.
Application July 28, 1950, Serial No. 11,470
Term of patent 14 years
(Cl. D14—3)

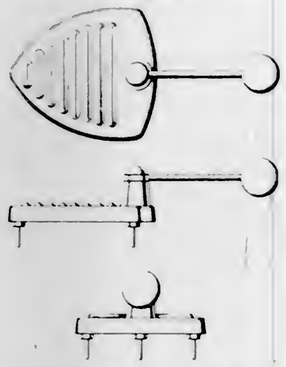






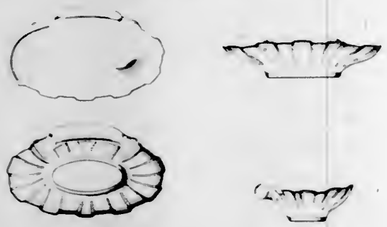
The ornamental design for an automobile, as shown.

165,196
PRACTICE GOLF BALL HOLDING APPARATUS
Zenon M. Smolarek, Racine, Wis.
Application June 6, 1951, Serial No. 15,430
Term of patent 14 years
(Cl. D34—5)



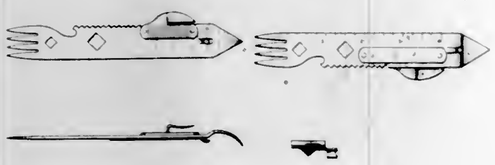
The ornamental design for a practice golf ball holding apparatus, as shown.

165,197
EDIBLE SHELL OR THE LIKE
Eleanor A. Thomas, Ruxton, Md.
Application October 3, 1950, Serial No. 12,427
Term of patent 14 years
(Cl. D8—1)



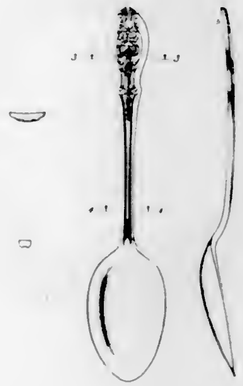
The ornamental design for an edible shell or the like, substantially as shown.

165,198
CAMPER'S TOOL
William A. Uttz, Fort Worth, Tex.
Application March 8, 1951, Serial No. 14,417
Term of patent 14 years
(Cl. D44—29)



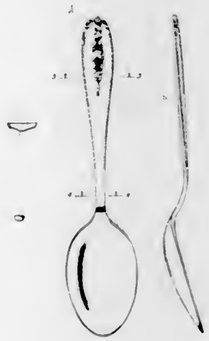
The ornamental design for a camper's tool, substantially as shown.

165,199
SPOON OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application May 11, 1950, Serial No. 9,881
Term of patent 14 years
(Cl. D54—12)



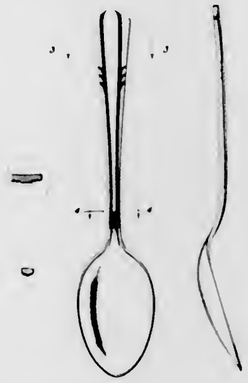
The ornamental design for a spoon or similar article, substantially as shown and described.

165,200
SPOON OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application May 11, 1950, Serial No. 9,882
Term of patent 14 years
(Cl. D54—12)



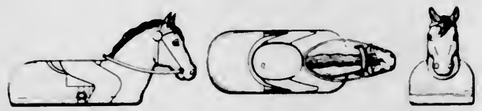
The ornamental design for a spoon or similar article, substantially as shown and described.

165,201
SPOON OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application May 11, 1950, Serial No. 9,883
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, substantially as shown and described.

165,202
INFLATABLE TOY HORSE
Robert H. Wendt, Evanston, Ill.
Application June 1, 1951, Serial No. 15,381
Term of patent 14 years
(Cl. D34—15)



The ornamental design for an inflatable toy horse, as shown.

165,203
HANDBAG ORNAMENT
Abraham Wirklich, New York, N. Y.
Application July 3, 1951, Serial No. 15,756
Term of patent 7 years
(Cl. D87—2)



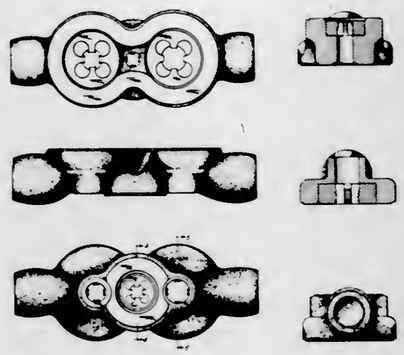
The ornamental design for a handbag ornament, substantially as shown and described.

165,204
HANDBAG ORNAMENT
Abraham Wirklich, New York, N. Y.
Application July 3, 1951, Serial No. 15,757
Term of patent 7 years
(Cl. D87—2)



The ornamental design for a handbag ornament, substantially as shown and described.

165,205
COMBINED STOCK AND DIE UNIT
Clyde E. Wright, Elyria, Ohio
Application February 1, 1951, Serial No. 14,074
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a combined stock and die unit, substantially as shown.

November 20, 1951 Volume 652 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aeroquip Corporation, Jackson, Mich. Hose. Serial No. 595,695, Nov. 20. Class 35.

Affiliated Retailers, Inc., New York, N. Y. Refrigerators. Serial No. 614,682, Nov. 20. Class 31.

Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden. Gas and air conditioning apparatus. Serial No.579,911, Nov. 20. Class 34.

Aldens, Inc., Chicago, Ill. Rafter framing squares, try squares, and all squares, etc. Serial No. 613,697, Nov. 20. Class 26.

Alderson Candy Company: *See*—
Alderson, Rolla.

Alderson, Rolla, doing business as Alderson Candy Company, Denver, Colo. Candy bars. Serial No. 616,068, Nov. 20. Class 46.

Allied Chemical & Dye Corporation, New York, N. Y. Hydrocarbons, phenols, etc. Serial No. 591,011, Nov. 20. Class 6.

American Brake Shoe Company, New York, N. Y. Vehicle wheels and truck caster wheels. Serial No. 576,386, Nov. 20. Class 19.

American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Ferrous metal pipe and ferrous metal pipe fittings; etc. Serial No. 527,742, Nov. 20. Class 13.

Archer-Daniels-Midland Company: *See*—
Commander-Larabee Milling Company.

Armco Steel Corporation: *See*—
American Rolling Mill Company, The.

Armour and Company, Chicago, Ill. Thyroid preparation. Serial No. 609,840, Nov. 20. Class 18.

Ateliers de la Motobecane, Pantin, Seine, France. Motor-driven bicycles and parts thereof. Serial No. 601,658, Nov. 20. Class 19.

Audio-Tone Oscillator Company, The: *See*—
Dresser, Willis R.

Audley Engineering Company Limited, Newport, Shropshire, England. Valves. Serial No. 582,340, Nov. 20. Class 13.

Autobar Corporation, New York, N. Y. Measuring liquid dispensers. Serial No. 575,816, Nov. 20. Class 26.

Automatic Products Co., Minneapolis, Minn. Automatic drink-vending machines. Serial No. 605,707, Nov. 20. Class 23.

Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Vitamins and minerals. Serial No. 609,997, Nov. 20. Class 18.

Barnes Manufacturing Co., Mansfield, Ohio. Centrifugal pumps, self-priming centrifugal pumps, diaphragm pumps, etc. Serial No. 611,069, Nov. 20. Class 23.

Barnes Manufacturing Co., Mansfield, Ohio. Plumbers' brass goods. Serial No. 611,070, Nov. 20. Class 13.

Barry-Wehmiller Machinery Company, St. Louis, Mo. Machines and machinery for heating and cooling beverages, etc. Serial No. 571,315, Nov. 20. Class 34.

Bell Company, Inc., The, Chicago, Ill. Fluids used as a fluid coupling for the transmission of power. Serial No. 594,826, Nov. 20. Class 15.

Bell & Gossett Company, Morton Grove, Ill. Flow control valves, pipe fittings, etc. Serial No. 606,203, Nov. 20. Class 13.

Bergman, Ted, Miami, Fla. Bottled propane and butane gas. Serial No. 610,734, Nov. 20. Class 6.

Bol Manufacturing Company, Chicago, Ill. Gelatin dessert. Serial No. 612,238, Nov. 20. Class 46.

Bourne & Hollingsworth Limited, London, England. Articles of clothing. Serial Nos. 595,651–2, Nov. 20. Class 39.

Bridgeport Brass Company, Bridgeport, Conn. Sprayers. Serial No. 607,927, Nov. 20. Class 23.

Briskey, John F., Birmingham, Ala. Printed trade cards, trading stamps, and books of trading stamps. Serial No. 556,244, Nov. 20. Class 38.

Brooks Brothers, New York, N. Y. Collars. Serial No. 605,988, Nov. 20. Class 39.

Brown Container Company, Inc., West Monroe, La. Corrugated and laminated paperboard boxes and cartons, etc. Serial No. 577,365, Nov. 20. Class 2.

Brown, Fred A., Company, Grand Rapids, Mich. Furniture polish and cleaner. Serial No. 590,544, Nov. 20. Class 4.

Builders Iron Foundry, Providence, R. I. Apparatus for continuously and automatically totalizing the weight of material. Serial No. 608,145, Nov. 20. Class 26.

Bunyan, Paul, Foods, Inc., Seattle, Wash., Minneapolis, Minn., and Omaha, Nebr. Potatoes. Serial No. 597,431, Nov. 20. Class 46.

Burton, Burt, Beverly Hills, Calif. Sashes, neckties and bandeaux. Serial No. 608,098, Nov. 20. Class 39.

Cal Producta Company, Los Angeles, Calif. Composition having germicidal and softening properties. Serial No. 611,600, Nov. 20. Class 6.

California Vegetable Concentrates, Inc., Huntington Park, Calif. Periodical. Serial No. 610,737, Nov. 20. Class 38.

Calix-A Caps Company: *See*—
Martel, Calixa C.

Carter Carburetor Corporation, St. Louis, Mo. Liquid fuel filters and parts thereof. Serial No. 611,890, Nov. 20. Class 31.

Caulk, L. D., Company, The, Milford, Del. Dental impression trays. Serial No. 611,056, Nov. 20. Class 44.

Chesmore Seed Co., St. Joseph, Mo. Lawn, garden, and farm seed. Serial Nos. 610,832–3, Nov. 20. Class 1.

Chi Psi Fraternity, Ann Arbor, Mich. Services for male college students. Serial No. 561,804, Nov. 20. Class 101.

Chicago Eye Shield Company, Chicago, Ill. Protective equipment. Serial No. 576,628, Nov. 20. Class 44.

Chicago Pharmacal Company, Chicago, Ill. Preparation used in the treatment of obesity. Serial No. 609,532, Nov. 20. Class 18.

Circle Candy Corp., New York, N. Y. Candies. Serial No. 566,068, Nov. 20. Class 46.

Cleveland Impact Recorder, Inc., Cleveland, Ohio. Instruments for recording the force of an impact. Serial No. 588,740, Nov. 20. Class 26.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. Serial Nos. 610,889–90. Nov. 20. Class 52.

Colorado Milling & Elevator Co., The, Denver, doing business as The Model Flour Mills Company, Greeley, Colo. Wheat flour. Serial No. 556,320, Nov. 20. Class 46.

Commander-Larabee Milling Company, Minneapolis, Minn., now by merger Archer-Daniels-Midland Company. Wheat flour. Serial No. 594,252, Nov. 20. Class 46.

Compo Chemical Company, Inc., Mansfield and Boston, Mass. Protective hand cream. Serial No. 591,611, Nov. 20. Class 6.

Compressed Air Magazine Company, Phillipsburg, N. J. Magazine. Serial No. 605,285, Nov. 20. Class 38.

Connell Bros. Company Limited, San Francisco, Calif. Fresh onions and canned fruit nectars and canned fish. Serial No. 608,983, Nov. 20. Class 46.

Continental Athletic Supply: *See*—
Holt, Laird B.

Cooper, Henry F., doing business as Henry F. Cooper Fish Bait Co., Fort Worth, Tex. Pickled shrimp bait. Serial No. 611,171, Nov. 20. Class 22.

Cooper, Henry F., Fish Bait Co.: *See*—
Cooper, Henry F.

Cotter, R. E., Company, San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 563,844, Nov. 20. Class 46.

Crest Company, The: *See*—
Larkin, Daniel C.

Crosley Motors, Inc., Cincinnati, Ohio. Internal combustion engines. Serial No. 609,788, Nov. 20. Class 23.

Crown's Cookies, Cakes and Candies: *See*—
Zink, Erna.

Cutts, Richard M., The Plains, Va. Gas porting devices. Serial No. 536,675, Nov. 20. Class 9.

Darlynn Knitwear Corporation, New York, N. Y. Polo shirts, creepers, cardigans, etc. Serial No. 561,616, Nov. 20. Class 39.

Darol Co.: *See*—
Darol Company.

Darol Company, also known in the trade as Darol Co., Dayton, Ohio. Venetian blinds. Serial No. 574,415, Nov. 20. Class 32.

Dennison Manufacturing Company, Framingham, Mass. Publication. Serial No. 611,262, Nov. 20. Class 38.

Diamond Alkali Company, Cleveland, Ohio. Soda ash, caustic soda, and modified forms of each. Serial No. 581,326, Nov. 20. Class 6.

Ditto, Incorporated, Chicago, Ill. Hectograph carbon paper and duplicating units. Serial No. 571,321, Nov. 20. Class 11.

Dolly Toy Company, The, Tipp City, Ohio. Wall pictures. Serial No. 583,900, Nov. 20. Class 38.

Donley Brothers Company, The, Cleveland, Ohio. Wooden, metal, or plastic mortar boxes, cast iron fire baskets. Serial No. 596,902, Nov. 20. Class 2.

Douglas Laboratories: *See*—
Douglas, René H.

Douglas, René H., doing business under the name Douglas Laboratories, Evanston, Ill. Vitamin D. Serial No. 591,896, Nov. 20. Class 18.

Dresser, Willis R., doing business as The Audio-Tone Oscillator Company, Bridgeport, Conn. Sound pressure recording instruments, etc. Serial No. 580,290, Nov. 20. Class 26.

Duncan, Thomas P., Jr., doing business as Silhouette, Newport News, Va. Candelabra. Serial No. 615,308, Nov. 20. Class 34.
Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. Serial No. 611,894, Nov. 20. Class 8.
Elastic Stop Nut Corporation of America, Union, N. J. Nuts, bolts, clips, etc. Serial No. 565,692, Nov. 20. Class 13.
Elkhart Brass Manufacturing Company, Inc., Elkhart, Ind. Fire hose cabinets. Serial No. 594,531, Nov. 20. Class 32.
Erie City Iron Works, Erie, Pa. Steam generators. Serial No. 607,074, Nov. 20. Class 34.
Ever Tempting Food Products Corp., New York, N. Y. Fried shrimp. Serial No. 592,888, Nov. 20. Class 46.
Fiat Società per Azioni, Turin, Italy. Internal combustion engines, agricultural tractors, planting machines, etc. Serial No. 604,692, Nov. 20. Class 23.
Filice & Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits, canned deciduous fruit juices, etc. Serial No. 583,794, Nov. 20. Class 46.
Firestone Tire & Rubber Company, The, Akron, Ohio. Rayon tire patches. Serial No. 598,581, Nov. 20. Class 35.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic perfumery compositions; natural and synthetic essential oils, etc. Serial No. 593,665, Nov. 20. Class 51.
Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.
Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Sintered carbide lathe tools, sintered carbide milling cutter blades, etc. Serial No. 588,370, Nov. 20. Class 23.
Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Sintered carbide lathe tools, sintered carbide milling cutter blades, etc. Serial No. 591,412, Nov. 20. Class 23.
Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. Serial No. 580,189, Nov. 20. Class 6.
Food Machinery and Chemical Corporation, San Jose, Calif. Tractors. Serial No. 577,378, Nov. 20. Class 23.
Fox-Shulman, Inc., Philadelphia, Pa. Magazines. Serial No. 611,516, Nov. 20. Class 38.
Frosst, Charles E., & Co., Montreal, Quebec, Canada. Pharmaceutical preparation. Serial No. 609,794, Nov. 20. Class 18.
Fuller, Frances A., Clayton, Mo. Ear muffs. Serial No. 608,601, Nov. 20. Class 39.
Fumitrol Chemicals Incorporated, Hillside, N. J. Economic poisonous composition. Serial No. 611,419, Nov. 20. Class 6.
Furmoto Chemical Company: *See*—
Throngield, Charles.
Garden Gate Corporation, The, Seattle, Wash. Frozen products. Serial No. 593,535, Nov. 20. Class 46.
Garden Grove Citrus Association, Garden Grove, Calif. Fresh citrus fruits. Serial No. 559,596, Nov. 20. Class 46.
Gaylord Products, Incorporated, Chicago, Ill. Hair shampoo. Serial Nos. 583,391–2, Nov. 20. Class 52.
Georgia Leather Company, Newark, N. J. Chemical preparation. Serial No. 611,517, Nov. 20. Class 6.
Gervelle Pharmacal Company, Chicago, Ill. Body lotion for application to the skin to aid in the prevention of bed sores, etc. Serial No. 589,782, Nov. 20. Class 18.
Globe Vacuum Bottle Corporation, New Britain, Conn. Vacuum bottles, metal lunch boxes containing vacuum bottles, etc. Serial No. 607,952, Nov. 20. Class 2.
Griffith Laboratories, Inc., The, Chicago, Ill. Edible oil. Serial No. 520,698, Nov. 20. Class 46.
Gulf Oil Corporation, Pittsburgh, Pa. Sprayers. Serial No. 611,090, Nov. 20. Class 23.
Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. Serial No. 597,606, Nov. 20. Class 2.
Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butchers' paper. Serial No. 603,234, Nov. 20. Class 37.
H & C Latex Limited, Kuala Lumpur, Federation of Malaya. Rubber latex. Serial No. 592,904, Nov. 20. Class 1.
Hair Bon Laboratories, Inc., Providence, R. I. Scalp ointment. Serial No. 606,773, Nov. 20. Class 18.
Hardelite Manufacturing Corporation, Grand Rapids, Mich. Wooden and paper-board serving trays. Serial No. 599,374, Nov. 20. Class 2.
Helwith, Alfred L., New York, N. Y. Textile fabrics. Serial No. 593,174, Nov. 20. Class 42.
Heresite & Chemical Company, Manitowoc, Wis. Synthetic crude rubber. Serial No. 610,902, Nov. 20. Class 1.
Holophane Company, Inc., New York, N. Y. Illumination equipment. Serial No. 606,297, Nov. 20. Class 34.
Holt, Laird B., doing business under the name and style of Continental Athletic Supply, San Carlos, Calif. Reconditioning and repairing athletic equipment and uniforms. Serial No. 600,676, Nov. 20. Class 103.
Holt Manufacturing Company, Oakland, Calif. Electrical portable floor machines. Serial No. 570,203, Nov. 20. Class 21.
Home Comfort Mfg. Co., East Peoria, Ill. Louver type ventilators. Serial No. 602,841, Nov. 20. Class 34.
Homemakers' Products Corporation, New York, N. Y. Antiseptic solution for the treatment of diapers, towels, and the like. Serial No. 610,906, Nov. 20. Class 6.
Hydes' Anvil Brewery Limited, Manchester, England. Beers, ales and stouts. Serial No. 609,977, Nov. 20. Class 48.
Hysan Products Company, Chicago, Ill. Aerosol bombs. Serial No. 610,976, Nov. 20. Class 6.
Imperial International Corp., New York, N. Y. Stainless steel flatware. Serial No. 611,701, Nov. 20. Class 23.
Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Automatically-rotating fluid-operated hammer drills. Serial No. 610,977, Nov. 20. Class 23.
Injecta A. G., Teufenthal, Canton of Aargau, Switzerland. Household scales. Serial No. 609,800, Nov. 20. Class 26.
International Hormones, Inc., Brooklyn, N. Y. Pharmaceutical preparation. Serial No. 587,264, Nov. 20. Class 18.
Janalyn Laboratories, Inc., The, Worcester, Mass. Skin protective cream. Serial No. 603,194, Nov. 20. Class 51.
Johnson Publishing Company, Inc., Chicago, Ill. Periodical publications. Serial No. 608,253, Nov. 20. Class 38.
Kay Manufacturing Corporation, Brooklyn, N. Y. Sofabeds. Serial No. 609,244, Nov. 20. Class 32.
Kellogg Company, Battle Creek, Mich. Animal and poultry feeds. Serial No. 600,341, Nov. 20. Class 46.
Kerr, Gifford, & Co. Inc., Portland, Oreg. Wheat flour and poultry and stock feeds. Serial No. 578,028, Nov. 20. Class 46.
Kiddie Kabinette, Inc., New York, N. Y. Medicine wall chests. Serial No. 598,587, Nov. 20. Class 32.
King Kernel, Inc., Chicago, Ill. Popcorn dispensing machines. Serial No. 582,841, Nov. 20. Class 23.
Klenk, Karl: *See*—
Klenk, Karl G.
Klenk, Karl G., doing business as Karl Klenk, Wilmington, Del. Angularly adjustable and extensible plier. Serial No. 584,240, Nov. 20. Class 23.
Kodama Bros., Imperial, Calif. Fresh vegetables. Serial No. 612,922, Nov. 20. Class 46.
Lambert Hosiery Mills, Inc., Lambertville, N. J. Ladies' hosiery. Serial No. 589,661, Nov. 20. Class 39.
Larkin, Daniel C., doing business under the assumed name of The Crest Company, Detroit, Mich. Automobile seat covers. Serial Nos. 592,712–13, Nov. 20. Class 19.
Lewis, Gilbert L., doing business as Protexal Permanent Process Service, Kansas City, Mo. Laminating paper products. Serial No. 557,668, Nov. 20. Class 106.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 610,282, Nov. 20. Class 18.
Lo-Heet Stainless Steel Co., Los Angeles, Calif. Cooking utensils. Serial No. 478,590, Nov. 20. Class 13.
Lowry, Samuel K., doing business under the firm name and style of York Drug Store, York, S. C. Medicinal preparation. Serial No. 570,212, Nov. 20. Class 18.
Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Toilet bowls and tanks, urinals, etc. Serial No. 581,273, Nov. 20. Class 13.
Markwell Manufacturing Co., Inc., New York, N. Y. Machine applied and cohered staples. Serial No. 613,515, Nov. 20. Class 13.
Martel, Calixa C., doing business as Calix-A Caps Company, Lewiston, Maine. Medicinal preparation. Serial No. 589,584, Nov. 20. Class 18.
McCall Corporation, New York, N. Y. Department, section or feature in a magazine. Serial No. 603,487, Nov. 20. Class 38.
Meypro Ltd., Weinfelden, Switzerland. Chemical auxiliary products. Serial Nos. 603,638–9, Nov. 20. Class 6.
Miller, Herbert, Inc., New York, N. Y. Misses' dresses, coats, suits, etc. Serial No. 610,754, Nov. 20. Class 39.
Milton Roy Company, Philadelphia, Pa. Controlled volume measuring pump. Serial No. 612,827, Nov. 20. Class 26.
Model Flour Mills Company, The: *See*—
Colorado Milling & Elevator Co., The.
Monsanto Chemical Company, St. Louis, Mo. Chemicals and chemical compositions. Serial No. 611,100, Nov. 20. Class 6.
Montello Products Company, Ripon, Wis. Sleds. Serial No. 611,294, Nov. 20. Class 22.
Morse-Starrett Products Company, Oakland, Calif. Cable bands. Serial No. 603,494, Nov. 20. Class 13.
Mortimer, Norman J., New Hope, Pa. Cleaning preparations. Serial No. 588,504, Nov. 20. Class 52.
Moyer, Walter W., Company, Ephrata, Pa. Men's, women's and children's underwear. Serial No. 604,791, Nov. 20. Class 39.
Moyer, Walter W., Company, Ephrata, Pa. Men's, women's, and children's underwear. Serial No. 604,795, Nov. 20. Class 39.
Munro, Walter J., New York, N. Y. Baby's sleeping garments. Serial No. 599,447, Nov. 20. Class 39.
Murray Hill Restaurant, Inc., New York, N. Y. Cigarettes, cigars, and pipe tobacco. Serial No. 611,185, Nov. 20. Class 17.
National Detroit Publishers Incorporated, Detroit, Mich. Greeting cards. Serial No. 611,653, Nov. 20. Class 38.
National Drying Machinery Co., The: *See*—
Parkes, Ralph C.
National Foam System, Inc., West Chester, Pa. Apparatus for producing fire-extinguishing foam. Serial No. 609,691, Nov. 20. Class 23.

National Metal Edge Box Company, Philadelphia, Pa. Document, pamphlet, and sheet music file boxes. Serial No. 591,043, Nov. 20. Class 32.
National Store Specialty Co., Bareville, Pa. Gasoline and oil storage measuring pumps, measuring grease pumps and weighing scales. Serial No. 586,647, Nov. 20. Class 26.
National Supply Company, The, Pittsburgh, Pa. Metal pipe, tubes, and fittings therefor. Serial No. 609,660, Nov. 20. Class 13.
New England Manufacturing and Supply Corporation, The, New Haven, Conn. Door check. Serial No. 585,715, Nov. 20. Class 13.
Nopco Chemical Company, Harrison, N. J. Sulfated fatty oils, sulfated fatty acids, fatty amides, etc. Serial No. 585,483, Nov. 20. Class 4.
Nopco Chemical Company, Harrison, N. J. Water-dispersible vitamin concentrates. Serial No. 606,798, Nov. 20. Class 18.
Norcross, Inc., New York, N. Y. Greeting cards. Serial No. 601,553, Nov. 20. Class 38.
Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, etc. Serial No. 611,296, Nov. 20. Class 38.
Pacific Farm Company, San Jose, Calif. Fresh vegetables and fresh deciduous fruits. Serial No. 599,051, Nov. 20. Class 46.
Pacific Lumber Company, The, San Francisco, Calif. Organic acid. Serial No. 602,518, Nov. 20. Class 6.
Pacific Lumber Company, The, San Francisco, Calif. Organic acid group. Serial No. 602,519, Nov. 20. Class 6.
Pacific Lumber Company, The, San Francisco, Calif. Sodium salt. Serial Nos. 602,520–1, Nov. 20. Class 6.
Paper Art Company, Inc., Indianapolis, Ind. Paper cups, paper plates and paper coasters. Serial No. 533,768, Nov. 20. Class 2.
Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of hypertension. Serial No. 608,670, Nov. 20. Class 18.
Parker Appliance Company, The, Cleveland, Ohio. Couplings for metal tubes and pipes; couplings for rubber hose, etc. Serial No. 567,426, Nov. 20. Class 13.
Parkes, Ralph C., doing business as The National Drying Machinery Co., Philadelphia, Pa. Drying, dyeing, bleaching and carbonizing machines and parts thereof, conveyors, etc. Serial No. 583,885, Nov. 20. Class 23.
Penn Electric Switch Co., Goshen, Ind. Relays, solenoid valves, electric motor-driven furnace damper operators, etc. Serial No. 564,463, Nov. 20. Class 21.
Penn Industrial Instrument Corporation, Philadelphia, Pa. Liquid, steam, and gas flow controllers, etc. Serial No. 571,456, Nov. 20. Class 26.
Phillips Chemical Company, Bartlesville, Okla. Carbon compounding material. Serial No. 611,369, Nov. 20. Class 6.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 611,965, Nov. 20. Class 18.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 611,971, Nov. 20. Class 18.
Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars and cuffs. Serial No. 608,671, Nov. 20. Class 39.
Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars and cuffs. Serial Nos. 608,673–4, Nov. 20. Class 39.
Pik-Nik Food Products Co.: *See*—
Poole, Albert J.
Plumbing and Drainage Institute, Detroit, Mich. Plumbing and drainage products. Serial No. 588,388, Nov. 20. Class 13.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Refrigerators. Serial No. 615,190, Nov. 20. Class 31.
Poole, Albert J., doing business as Pik-Nik Food Products Co., San Jose, Calif. Shoe string potatoes. Serial No. 555,626, Nov. 20. Class 46.
Portaglide: *See*—
Thomas, Warren G.
Production Enameling Co., Chicago, Ill. Enameling of the goods of others. Serial No. 582,799, Nov. 20. Class 106.
Protexall Permanent Process Service: *See*—
Lewis, Gilbert L.
Publix Shirt Corporation, New York, N. Y. Sport shirts. Serial No. 609,603, Nov. 20. Class 39.
Quaker Oats Company, The, Chicago, Ill. Poultry feed. Serial No. 588,809, Nov. 20. Class 46.
Red Lodge Canning Company, Red Lodge, Mont. Canned fruits and canned vegetables. Serial No. 601,466, Nov. 20. Class 46.
Reliance Regulator Corporation, Alhambra, Calif. Regulators. Serial No. 542,488, Nov. 20. Class 13.
Richards, Harper, Chicago, Ill. Child's collapsible toilet seat. Serial No. 601,233, Nov. 20. Class 13.
Rockford Screw Products Co., Rockford, Ill. Illustrated leaflets. Serial No. 603,381, Nov. 20. Class 38.
Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valves. Serial No. 577,226, Nov. 20. Class 13.
Rockwell Manufacturing Company, Pittsburgh, Pa. Saw gages, pressure correcting gas meters, fluid meters, etc. Serial No. 611,541, Nov. 20. Class 26.
Rockwell Manufacturing Company, Pittsburgh, Pa. Valves. Serial No. 577,225, Nov. 20. Class 13.
Rocon, Inc., Denver, Colo. Rodent poisons. Serial No. 609,102, Nov. 20. Class 6.
Rotary Lift Company, Memphis, Tenn. Automobile, bus, and truck servicing lifts; elevators, etc. Serial No. 583,619, Nov. 20. Class 23.
Rothman, Harry, Inc., New York, N. Y. Men's suits, top coats, sport coats, etc. Serial No. 608,019, Nov. 20. Class 39.
Roxborough Company, The, Philadelphia, Pa. Chemical composition. Serial No. 590,995, Nov. 20. Class 6.
Sachs Quality Stores, Inc., New York, N. Y. Bedroom furniture, living-room furniture, dining-room furniture, etc. Serial No. 589,043, Nov. 20. Class 32.
Savia, A. A., & Co., New York, N. Y. Paprika. Serial No. 600,242, Nov. 20. Class 46.
Schroeder Bros., Inc., New York, N. Y. Canned lobster and bonito. Serial No. 599,535, Nov. 20. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Hose nozzles, lawn sprinklers. Serial No. 570,516, Nov. 20. Class 13.
Seidlitz Paint & Varnish Company, Kansas City, Mo. Paint, varnish, lacquer, etc. Serial No. 617,971, Nov. 20. Class 16.
Seigel, Morris, Wilkes-Barre, Pa. Canned vegetables and coffee. Serial No. 582,246, Nov. 20. Class 46.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's and boys' suits, overcoats, topcoats, etc. Serial No. 610,101, Nov. 20. Class 39.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Diuretic. Serial No. 609,205, Nov. 20. Class 18.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Local anesthetic. Serial No. 609,210, Nov. 20. Class 18.
Siegel, Henry I., Co. Inc., New York, N. Y. Men's and boys' outer shirts. Serial No. 605,535, Nov. 20. Class 39.
Silhouette: *See*—
Duncan, Thomas P., Jr.
Simplot, J. R., Company, Caldwell, Idaho. Canned fruits and vegetables. Serial No. 602,003, Nov. 20. Class 46.
Sophie Mae Candy Corp., Irvington, N. J. Peanut brittle and toasted sugared peanuts. Serial No. 596,203, Nov. 20. Class 46.
Spear & Picardi, New York, N. Y. Women's and misses' fur coats. Serial No. 601,079, Nov. 20. Class 39.
Spontane Mfg. Company, Atlanta, Ga. Chemical compounds. Serial No. 591,202, Nov. 20. Class 6.
Spring Perch Co., Inc., Lackawanna, N. Y. Liners for insertion between vehicle spring leaves. Serial No. 605,690, Nov. 20. Class 19.
Squibb, E. R., & Sons, New York, N. Y. Antihemorrhagic preparations. Serial No. 610,386, Nov. 20. Class 18.
Squibb, E. R., & Sons, New York, N. Y. Cardiac and anesthetic drugs. Serial No. 590,239, Nov. 20. Class 18.
Standard Oil Company, The, Cleveland, Ohio. Pipe couplings. Serial No. 563,028, Nov. 20. Class 13.
Star Union Company, The, New York, N. Y. Pajamas. Serial No. 545,656, Nov. 20. Class 39.
Stauffer Chemical Company, San Francisco, Calif. Mite control material. Serial No. 610,344, Nov. 20. Class 6.
Stewart-Warner Corporation, Chicago, Ill. Gas or liquid-fired space heating equipment. Serial No. 612,278, Nov. 20. Class 34.
Stier, Joseph B., doing business under the name of Styson Art Products Co., New York, N. Y. Aluminum table ware. Serial No. 603,557, Nov. 20. Class 13.
Stokes Molded Products, Inc., Trenton, N. J. Microporous storage battery separators and retainers. Serial No. 613,947, Nov. 20. Class 21.
Stokes Molded Products, Inc., Trenton, N. J. Semi-hard rubber. Serial No. 593,696, Nov. 20. Class 1.
Styson Art Products Co.: *See*—
Stier, Joseph B.
Sunbeam Corporation, Chicago, Ill. Clipping blades. Serial No. 508,324, Nov. 20. Class 23.
Sunbeam Corporation, Chicago, Ill. Combs used with shearing and clipping machines. Serial No. 508,321, Nov. 20. Class 23.
Sunbeam Corporation, Chicago, Ill. Combs used with shearing and clipping machines. Serial No. 508,325, Nov. 20. Class 23.
Sunbeam Corporation, Chicago, Ill. Cutters. Serial No. 508,335, Nov. 20. Class 23.
Syndicate Sales Company, Kokomo, Ind. Lapel vases. Serial No. 585,086, Nov. 20. Class 40.
Tama Trading Company, Inc., Los Angeles, Calif. Edible oils, tomato paste and canned tuna. Serial No. 564,359, Nov. 20. Class 46.
Taylor's of California, Los Angeles, Calif. Garments. Serial No. 560,731, Nov. 20. Class 39.
Terrytoons, Inc., New Rochelle, N. Y. Comic strips. Serial No. 611,201, Nov. 20. Class 38.
Thomas, Warren G., doing business under the trade name and style of Portaglide, Philadelphia, Pa. Hardware for sliding doors. Serial No. 603,132, Nov. 20. Class 13.
Thompson Products, Inc., Cleveland, Ohio. Supplementary fuel. Serial No. 584,028, Nov. 20. Class 15.

LIST OF TRADE-MARK APPLICANTS

Thornfield, Charles, doing business as Furmoto Chemical Company, London, England. Preparation for cleaning and polishing glass. Serial No. 586,799, Nov. 20. Class 4.

Tidy Products Company, New York, N. Y. Infants' or children's over garments. Serial No. 609,705, Nov. 20. Class 39.

Trans-Meter Corporation, New York, N. Y. Automatic coin-operated dispensing machine and parts therefor. Serial No. 555,851, Nov. 20. Class 23.

Travel Trade Publishing Corp., New York, N. Y. Periodical. Serial No. 608,025, Nov. 20. Class 38.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Union Trading Company Ltd., Basel, Switzerland. Men's, women's, children's and infants' wearing apparel. Serial No. 586,373, Nov. 20. Class 39.

Union Trading Company Ltd., Basel, Switzerland. Men's, women's, children's and infants' wearing apparel. Serial No. 586,380, Nov. 20. Class 39.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 599,351, Nov. 20. Class 22.

United States Plywood Corporation, New York, N. Y. Laminated panel of wood and metal. Serial No. 551,340, Nov. 20. Class 12.

United States Rubber Company, New York, N. Y. Pipes and pipe fittings. Serial No. 609,577, Nov. 20. Class 13.

United Western Laboratories Inc., Denver, Colo. Finishing creams, face lotions, astringents, etc. Serial No. 568,288, Nov. 20. Class 51.

Up-N-Off Mfg. Co.: *See*—
White, Edmund B.

Vanadium-Alloys Steel Company, Latrobe, Pa. Tool steel. Serial No. 606,446, Nov. 20. Class 14.

Vanadium-Alloys Steel Company, Latrobe, Pa. Tool steel. Serial No. 606,639, Nov. 20. Class 14.

Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. Serial No. 595,177, Nov. 20. Class 14.

Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. Serial No. 600,868, Nov. 20. Class 14.

Vio Bin Corporation, The, Monticello, Ill. Concentrate of wheat germ oil. Serial No. 598,876, Nov. 20. Class 18.

Waldoroth Label Corporation, Boston, Mass. Printed woven labels. Serial No. 604,876, Nov. 20. Class 38.

Washington Post Company, The, Washington, D. C. Column in a newspaper. Serial No. 610,811, Nov. 20. Class 38.

Wayne Pump Company, The, Fort Wayne, Ind. Self-measuring fuel pumps. Serial No. 505,022, Nov. 20. Class 26.

Webster, Mrs. Mabel E., Minneapolis, Minn. Pull or handle for manipulating window shades. Serial No. 600,459, Nov. 20. Class 32.

Webster, William A., Company, The, Memphis, Tenn. Sedative and antispasmodic preparation. Serial No. 590,204, Nov. 20. Class 18.

Weltz, S., & Co., Inc., Cleveland, Ohio. Women's, misses', boys', youths' and men's raincoats, topcoats and overcoats. Serial Nos. 610,938–9, Nov. 20. Class 39.

Wheel Lifter Co., The, Tulsa, Okla. Manually operated tools. Serial No. 576,602, Nov. 20. Class 23.

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White Laboratories, Inc., Newark, N. J. Germicidal emollient. Serial No. 600,365, Nov. 20. Class 18.

Wilbur-Ellis Company, San Francisco, Calif. Frozen fresh shrimp and canned fish. Serial No. 612,049, Nov. 20. Class 46.

Wile, M., & Company, Inc., Buffalo, N. Y. Men's outer garments. Serial No. 610,652, Nov. 20. Class 39.

Wilks, Mackie & Company Ltd., Birmingham and Dorridge, Birmingham, England. Motor road vehicles and structural parts thereof. Serial No. 612,050, Nov. 20. Class 19.

Willson Products, Inc., Reading, Pa. Ophthalmic and protection lenses. Serial No. 617,172, Nov. 20. Class 26.

Wolseley Motors Limited, Birmingham, Warwickshire, England. Internal combustion motors. Serial No. 545,066, Nov. 20. Class 23.

York Drug Store: *See*—
Lowry, Samuel K.

Zink, Erna, doing business as Crown's Cookies, Cakes and Candies, Demarest, N. J. Cookies. Serial No. 592,589, Nov. 20. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

AFO Company, The, Gloversville, N. Y. Shaving cream. 551,119, Nov. 20; Serial No. 608,193, published July 17, 1951. Class 51.

Ach, Eugene L., Cincinnati, Ohio. Toy make-up kits. 551,025, Nov. 20; Serial No. 593,959, published July 24, 1951. Class 22.

Acheson Colloids Corporation: *See*—
Acheson Oildag Company.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Mixtures or compounds consisting of or containing glycerine and colloidal graphite. 290,021, renewed Dec. 22, 1951. O. G. Nov. 20. Class 6.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Colloidal graphited water. 290,221, renewed Dec. 22, 1951. O. G. Nov. 20. Class 6.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Colloidal graphited oil. 290,222, renewed Dec. 22, 1951. O. G. Nov. 20. Class 6.

Adamson Bros. Company, assignor to United States Rubber Company, to United States Rubber Company, New York, N. Y. Yarns. 286,680, renewed Sept. 1, 1951. O. G. Nov. 20. Class 43.

Aeroquip Corporation, Jackson, Mich. Hose for high, low, and medium pressure fluid. 551,042, Nov. 20; Serial No. 595,751, published Aug. 21, 1951. Class 35.

Aktiebolaget Vinkelcentrifug, Stockholm, Sweden. Centrifuges, ovens, agitators, water-baths, etc. 550,954, Nov. 20; Serial No. 571,312, published July 24, 1951. Class 26.

Alexander, Cleve, Sporting Goods, Inc., Danville, Ill. Basketballs. 551,116, Nov. 20; Serial No. 607,656, published July 31, 1951. Class 22.

Allen Fireworks Company: *See*—
Allen, Norman L.

Allen, Norman L., doing business as Allen Fireworks Company, Ringgold, Ga. Firecrackers. 551,015, Nov. 20; Serial No. 592,535, published Aug. 21, 1951. Class 9.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Hand trowels and weeders. 289,339, Nov. 24, 1931. Republished Nov. 20. Class 23.

American Chain & Cable Company, Inc.: *See*—
Campbell, Andrew C., Incorporated.

American Cyanamid Company, New York, N. Y. Enzyme preparation. 551,078, Nov. 20; Serial No. 600,314, published July 17, 1951. Class 18.

American Cyanamid Company, New York, N. Y. Enzyme preparation. 551,079, Nov. 20; Serial No. 600,316, published July 17, 1951. Class 18.

American Jewelry Distributors, Inc., New York, N. Y. Ladies' watches and watch movements. 547,746, Sept. 11, 1951. Corrected. O. G. Nov. 20. Class 27.

American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead pencils and pen holders. 288,013, renewed Oct. 20, 1951. O. G. Nov. 20. Class 37.

American Lecithin Company: *See*—
American Lecithin Corporation.

American Lecithin Corporation, Wilmington, Del., and Atlanta, Ga., to American Lecithin Company, Atlanta, Ga., and Woodside, Long Island, N. Y. Lecithin. 283,782, renewed June 9, 1951. O. G. Nov. 20. Class 6.

Anchor Packing Company, The, Philadelphia, Pa. Pump and engine rod packing. 550,937, Nov. 20; Serial No. 560,156, published Aug. 21, 1951. Class 35.

Anchor Rubber Products, Inc., Cleveland, Ohio. Pads for automobile accelerators, brake, clutch, and starter pedals. 550,968, Nov. 20; Serial No. 577,033, published July 24, 1951. Class 19.

Armstrong, William N., doing business as Continental "Blue Banner" Agency, Rockford, Ill. Brokerage and agency services. 551,136, Nov. 20; Serial No. 556,529, published June 12, 1951. Class 102.

Artistic Foundations, Inc., New York, N. Y. Brassières. 551,066, Nov. 20; Serial No. 598,976, published Aug. 28, 1951. Class 39.

Attorney General of the United States: *See*—
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft.

Automatic Gold Chain Company: *See*—
Speidel, Edwin F. M.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Deluge sprinkler units, piping, valves, etc. 551,124, Nov. 20; Serial No. 608,852, published Sept. 4, 1951. Class 13.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic releasing devices. 551,164, Nov. 20; Serial No. 607,205. Class 13.

Auto-Photo Company, Los Angeles, Calif. Coin operated cameras, and coin operated photographic enlarging machines. 551,137, Nov. 20; Serial No. 521,495. Class 26.

Baby Feedaider Company, The, Columbia, S. C. Nursing bottle supports. 551,108, Nov. 20; Serial No. 605,625, published July 17, 1951. Class 44.

Bachmann Uxbridge Worsted Corporation, New York, N. Y. Textile fabrics in the piece. 551,130, Nov. 20; Serial No. 609,841, published Aug. 21, 1951. Class 42.

Baitch & Castaldi, Inc., New York, N. Y. Ladies', misses' and juniors' coats and suits. 551,060, Nov. 20; Serial No. 598,146, published May 1, 1951. Class 39.

Bangor Packing Company: *See*—
Bugge, F. A.

Baum, W. A., Co., Inc., New York, N. Y. Venous pressure measuring apparatus and parts thereof. 550,997, Nov. 20; Serial No. 584,960, published July 31, 1951. Class 44.

Beauty Sales: *See*—
Smith, Edgar L.

Belle Craft, North Hollywood, Calif. Artificial hair coloring composition. 551,007, Nov. 20; Serial No. 589,002, published June 12, 1951. Class 51.

Billotti, Paul, New York, N. Y. Mechanically grooved phonograph records. 550,933, Nov. 20; Serial No. 558,100, published Sept. 4, 1951. Class 36.

Binney & Smith Company, New York, N. Y. Marking ink. 290,362, renewed Jan. 5, 1952. O. G. Nov. 20. Class 11.

Binney & Smith Company, New York, N. Y. Crayons. 290,857, renewed Jan. 19, 1952. O. G. Nov. 20. Class 37.

Bird & Son, inc., East Walpole, Mass. Insulated siding panel. 550,975, Nov. 20; Serial No. 578,863, published July 24, 1951. Class 12.

Blackstone Corporation, Jamestown, N. Y. Domestic clothes washing machines, wringers, centrifugal laundry dryers, etc. 551,000, Nov. 20; Serial No. 586,392, published Sept. 4, 1951. Class 24.

Boal, William: *See*—
Dodge, Mildred M., and W. Boal.

Borden Company, The, New York, N. Y. Product in dry, powdered form, consisting of a mechanical mixture of powdered egg yolk and powdered modified milk proteins for use in the preparation of foods. 550,930, Nov. 20; Serial No. 555,144, published July 10, 1951. Class 46.

Borden Company, The, New York, N. Y. Ice cream stabilizers. 551,093, Nov. 20; Serial No. 603,108, published July 10, 1951. Class 46.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 551,012, Nov. 20; Serial No. 590,798, published Aug. 28, 1951. Class 39.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 551,123, Nov. 20; Serial No. 608,489, published Aug. 28, 1951. Class 39.

Breon, George A., & Company, New York, N. Y. Preparation for the symptomatic treatment of menopause. 551,110, Nov. 20; Serial No. 606,260, published July 17, 1951. Class 18.

Brooke, Bond & Company, Limited, London, England. Teas. 83,984, re-renewed Oct. 31, 1951. O. G. Nov. 20. Class 46.

Bruce, Donald, & Company: *See*—
Medicated Products Co.

Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental appliances. 285,765, renewed Aug. 4, 1951. O. G. Nov. 20. Class 44.

Buffalo Wire Works Co., Buffalo, N. Y. High carbon steel wire cloth. 551,053, Nov. 20; Serial No. 596,774, published Aug. 28, 1951. Class 13.

Bugge, F. A., doing business as Bangor Packing Company, Bangor, to Iwersen Canning Company, Bellingham, Wash. Canned clams, canned clam nectar, etc. 288,135, renewed Oct. 20, 1951. O. G. Nov. 20. Class 46.

Bumstead, Ralph W., Westfield, N. J. Playing cards. 551,052, Nov. 20; Serial No. 596,650, published July 24, 1951. Class 22.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. 285,719, renewed Aug. 4, 1951. O. G. Nov. 20. Class 21.

Burnham Corporation, Irvington on Hudson, N. Y. Aluminum roofing caps. 551,055, Nov. 20; Serial No. 596,977, published July 24, 1951. Class 12.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in Attorney General of the United States, Washington, D. C. Medicinal preparations. 286,337, renewed Aug. 25, 1951. O. G. Nov. 20. Class 18.

Calar Chemical Company, Pasadena, Calif. Combustible fluid. 551,157, Nov. 20; Serial No. 600,208. Class 6.

California Consumers Corporation, Los Angeles, Calif. Frozen fresh vegetables. 550,927, Nov. 20; Serial No. 545,437, published July 10, 1951. Class 46.

Caller Co., Inc., doing business as Calnor Products, Boston, Mass. Copper and stainless steel cleanser. 551,081, Nov. 20; Serial No. 600,369, published July 31, 1951. Class 52.

Calnor Products: *See*—
Caller Co., Inc.

Campbell, Andrew C., Incorporated, Waterbury, to American Chain & Cable Company, Inc., Bridgeport, Conn. Metal-swaging machinery. 282,879, renewed May 5, 1951. O. G. Nov. 20. Class 23.

Canas-Tab Company, The: *See*—
Stoll, Ernest C.

Capital Bakers, Inc.: *See*—
Capital City Baking Co.

Capital City Baking Co., to Capital Bakers, Inc., Harrisburg, Pa. Bread. 287,990, renewed Oct. 20, 1951. O. G. Nov. 20. Class 46.

CarPac Mfg. Company: *See*—
Carter, Sarah E.

Carson Pirie, Scott, & Company, Chicago, Ill. Teen age girls' outer clothing. 550,973, Nov. 20; Serial No. 578,487, published July 24, 1951. Class 39.

Carter, Sarah E., doing business under the assumed business name of CarPac Mfg. Company, Portland, Oreg. Luggage-carriers for the tops of automobiles. 551,147, Nov. 20; Serial No. 573,706. Class 19.

Cash, A. W., Valve Manufacturing Corporation, Decatur, Ill. Automatic reseating relief valves. 551,128, Nov. 20; Serial No. 609,434, published Sept. 4, 1951. Class 13.

Chadbourne, E. M., Company, San Francisco, Calif., to E. M. Chadbourne, Pensacola, Fla. Composition paving material and pavements. 82,962, re-renewed Aug. 8, 1951. O. G. Nov. 20. Class 12.

Chadbourne, Edward M.: *See*—
Chadbourne, E. M., Company.

Chamberlain, F. B., Company, St. Louis, Mo. Article of food. 791,648, Sept. 27, 1910. Republished Nov. 20. Class 46.

Cherry-Burrell Corporation, Chicago, Ill. Oil and grease. 550,918, Nov. 20; Serial No. 479,223, published July 31, 1951. Class 15.

Chicago Pneumatic Tool Company, New York, N. Y. Flexible fluid conduits. 286,779, renewed Sept. 1, 1951. O. G. Nov. 20. Class 35.

Chicago Pneumatic Tool Company, New York, N. Y. Electrical apparatus and machines. 287,700, renewed Oct. 6, 1951. O. G. Nov. 20. Class 21.

Chicago Retort & Fire Brick Co., to Laclede-Christy Company, Chicago, Ill. Fire-brick and special-shaped fire-brick. 84,816, re-renewed Jan. 9, 1952. O. G. Nov. 20. Class 12.

Chipman Knitting Mills, Easton, Pa., by Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 135,633, Oct. 19, 1920. Republished Nov. 20. Class 39.

Chipman's, Chas., Sons Co., Inc.: *See*—
Chipman Knitting Mills.

Chrysler Corporation, Highland Park, Mich. Automotive vehicle brake parts. 550,992, Nov. 20; Serial No. 583,521, published July 24, 1951. Class 19.

Coachella Valley Citrus Association, Thermal, to Coachella Valley Citrus Association, Mecca, Calif. Fresh grapefruit and tangerines. 288,752, renewed Nov. 3, 1951. O. G. Nov. 20. Class 46.

Colin Pharmacal Co., Inc., Long Island City, N. Y. Multivitamin product. 551,118, Nov. 20; Serial No. 608,148, published July 31, 1951. Class 18.

Collins, Hal, Company, Dallas, Tex. Shampoo. 551,080, Nov. 20; Serial No. 600,327, published Aug. 7, 1951. Class 52.

Columbian Art Works, Inc., Milwaukee, Wis. Calendar pads and calendar stands. 287,549, renewed Sept. 29, 1951. O. G. Nov. 20. Class 37.

Consolidated Cosmetics, Chicago, Ill. Lipstick and lip salve. 550,974, Nov. 20; Serial No. 578,571, published July 17, 1951. Class 51.

Continental "Blue Banner" Agency: *See*—
Armstrong, William N.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 289,233, renewed Nov. 24, 1951. O. G. Nov. 20. Class 15.

Courtley, Ltd., assignor to Richard Hudnut, New York, N. Y. Deodorant body powder. 551,067, Nov. 20; Serial No. 599,084, published July 24, 1951. Class 51.

Cresca Company, Incorporated, New York, N. Y. Blueberry and lemon marmalade, cherry and orange marmalade, etc. 397,048, Aug. 18, 1942. Amended. O. G. Nov. 20. Class 46.

Crompton Company, Crompton, R. I. Fabrics in the piece. 550,924, Nov. 20; Serial No. 543,105, published Sept. 14, 1948. Class 42.

Crouse-Hinds Company, Syracuse, N. Y. Electrical conduit fittings. 285,774, renewed Aug. 4, 1951. O. G. Nov. 20. Class 21.

Crow, James T., doing business under the firm name "The Necta-Cola Company," San Antonio, Tex. Maltless soft drinks and concentrates. 444,603, Nov. 20; Serial No. 522,137, published Sept. 19, 1950. Class 45.

Crump, B. T., Company, Inc., Richmond, Va. Automobile seat covers. 551,100, Nov. 20; Serial No. 604,720, published July 31, 1951. Class 19.

Dahlstrom Metallic Door Company, Jamestown, N. Y. Metallic doors, metallic interior and exterior building trim, etc. 551,001, Nov. 20; Serial No. 586,400, published July 24, 1951. Class 12.

Davis & Geck, Inc., Brooklyn, N. Y. Surgical skin sutures. 287,081, renewed Sept. 15, 1951. O. G. Nov. 20. Class 44.

Detroit Air Conditioning Service Co.: *See*—
Tomsek, Frank J.

Dish Master Corporation, Pontiac, Mich. Hydraulic dishwashing apparatus. 551,034, Nov. 20; Serial No. 594,895, published Aug. 28, 1951. Class 13.

Dodge, Mildred M., and William Boal, Stamford, Conn. Laundry washboards and clothespins. 551,085, Nov. 20; Serial No. 601,315, published Aug. 28, 1951. Class 24.

Doughty Laboratories, Inc., New York, N. Y. Carburizing compound. 551,153, Nov. 20; Serial No. 595,946. Class 6.

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Thornfield, Charles, doing business as Furmoto Chemical Company, London, England. Preparation for cleaning and polishing glass. Serial No. 586,799, Nov. 20. Class 4.

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Acheson Colloids Corporation: *See*—
Acheson Oildag Company.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Mixtures or compounds consisting of or containing glycerine and colloidal graphite. 290,021, renewed Dec. 22, 1951. O. G. Nov. 20. Class 6.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Colloidal graphited water. 290,221, renewed Dec. 22, 1951. O. G. Nov. 20. Class 6.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Colloidal graphited oil. 290,222, renewed Dec. 22, 1951. O. G. Nov. 20. Class 6.

Adamson Bros. Company, assignor to United States Rubber Company, to United States Rubber Company, New York, N. Y. Yarns. 286,680, renewed Sept. 1, 1951. O. G. Nov. 20. Class 43.

Aeroquip Corporation, Jackson, Mich. Hose for high, low, and medium pressure fluid. 551,042, Nov. 20; Serial No. 595,751, published Aug. 21, 1951. Class 35.

Aktiebolaget Vinkelcentrifug, Stockholm, Sweden. Centrifuges, ovens, agitators, water-baths, etc. 550,954, Nov. 20; Serial No. 571,312, published July 24, 1951. Class 26.

Alexander, Cleve, Sporting Goods, Inc., Danville, Ill. Basketballs. 551,116, Nov. 20; Serial No. 607,656, published July 31, 1951. Class 22.

Allen Fireworks Company: *See*—
Allen, Norman L.

Allen, Norman L., doing business as Allen Fireworks Company, Ringgold, Ga. Firecrackers. 551,015, Nov. 20; Serial No. 592,535, published Aug. 21, 1951. Class 9.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Hand trowels and weeders. 289,339, Nov. 24, 1931. Republished Nov. 20. Class 23.

American Chain & Cable Company, Inc.: *See*—
Campbell, Andrew C., Incorporated.

American Cyanamid Company, New York, N. Y. Enzyme preparation. 551,078, Nov. 20; Serial No. 600,314, published July 17, 1951. Class 18.

American Cyanamid Company, New York, N. Y. Enzyme preparation. 551,079, Nov. 20; Serial No. 600,316, published July 17, 1951. Class 18.

American Jewelry Distributors, Inc., New York, N. Y. Ladies' watches and watch movements. 547,746, Sept. 11, 1951. Corrected. O. G. Nov. 20. Class 27.

American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead pencils and pen holders. 288,013, renewed Oct. 20, 1951. O. G. Nov. 20. Class 37.

American Lecithin Company: *See*—
American Lecithin Corporation.

American Lecithin Corporation, Wilmington, Del., and Atlanta, Ga., to American Lecithin Company, Atlanta, Ga., and Woodside, Long Island, N. Y. Lecithin. 283,782, renewed June 9, 1951. O. G. Nov. 20. Class 6.

Anchor Packing Company, The, Philadelphia, Pa. Pump and engine rod packing. 550,937, Nov. 20; Serial No. 560,156, published Aug. 21, 1951. Class 35.

Anchor Rubber Products, Inc., Cleveland, Ohio. Pads for automobile accelerators, brake, clutch, and starter pedals. 550,968, Nov. 20; Serial No. 577,033, published July 24, 1951. Class 19.

Armstrong, William N., doing business as Continental "Blue Banner" Agency, Rockford, Ill. Brokerage and agency services. 551,136, Nov. 20; Serial No. 556,529, published June 12, 1951. Class 102.

Artistic Foundations, Inc., New York, N. Y. Brassières. 551,066, Nov. 20; Serial No. 598,976, published Aug. 28, 1951. Class 39.

Attorney General of the United States: *See*—
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft.

Automatic Gold Chain Company: *See*—
Speidel, Edwin F. M.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Deluge sprinkler units, piping, valves, etc. 551,124, Nov. 20; Serial No. 608,852, published Sept. 4, 1951. Class 13.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic releasing devices. 551,164, Nov. 20; Serial No. 607,205. Class 13.

Auto-Photo Company, Los Angeles, Calif. Coin operated cameras, and coin operated photographic enlarging machines. 551,137, Nov. 20; Serial No. 521,495. Class 26.

Baby Feedaider Company, The, Columbia, S. C. Nursing bottle supports. 551,108, Nov. 20; Serial No. 605,625, published July 17, 1951. Class 44.

Bachmann Uxbridge Worsted Corporation, New York, N. Y. Textile fabrics in the piece. 551,130, Nov. 20; Serial No. 609,841, published Aug. 21, 1951. Class 42.

Baitch & Castaldi, Inc., New York, N. Y. Ladies', misses' and juniors' coats and suits. 551,060, Nov. 20; Serial No. 598,146, published May 1, 1951. Class 39.

Bangor Packing Company: *See*—
Bugge, F. A.

Baum, W. A., Co., Inc., New York, N. Y. Venous pressure measuring apparatus and parts thereof. 550,997, Nov. 20; Serial No. 584,960, published July 31, 1951. Class 44.

Beauty Sales: *See*—
Smith, Edgar L.

Belle Craft, North Hollywood, Calif. Artificial hair coloring composition. 551,007, Nov. 20; Serial No. 589,002, published June 12, 1951. Class 51.

Billotti, Paul, New York, N. Y. Mechanically grooved phonograph records. 550,933, Nov. 20; Serial No. 558,100, published Sept. 4, 1951. Class 36.

Binney & Smith Company, New York, N. Y. Marking ink. 290,362, renewed Jan. 5, 1952. O. G. Nov. 20. Class 11.

Binney & Smith Company, New York, N. Y. Crayons. 290,857, renewed Jan. 19, 1952. O. G. Nov. 20. Class 37.

Bird & Son, Inc., East Walpole, Mass. Insulated siding panel. 550,975, Nov. 20; Serial No. 578,863, published July 24, 1951. Class 12.

Blackstone Corporation, Jamestown, N. Y. Domestic clothes washing machines, wringers, centrifugal laundry dryers, etc. 551,000, Nov. 20; Serial No. 586,392, published Sept. 4, 1951. Class 24.

Boal, William: *See*—
Dodge, Mildred M., and W. Boal.

Borden Company, The, New York, N. Y. Product in dry, powdered form, consisting of a mechanical mixture of powdered egg yolk and powdered modified milk proteins for use in the preparation of foods. 550,930, Nov. 20; Serial No. 555,144, published July 10, 1951. Class 46.

Borden Company, The, New York, N. Y. Ice cream stabilizers. 551,093, Nov. 20; Serial No. 603,108, published July 10, 1951. Class 46.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 551,012, Nov. 20; Serial No. 590,798, published Aug. 28, 1951. Class 39.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 551,123, Nov. 20; Serial No. 608,489, published Aug. 28, 1951. Class 39.

Breon, George A., & Company, New York, N. Y. Preparation for the symptomatic treatment of menopause. 551,110, Nov. 20; Serial No. 606,260, published July 17, 1951. Class 18.

Brooke, Bond & Company, Limited, London, England. Teas. 83,984, re-renewed Oct. 31, 1951. O. G. Nov. 20. Class 46.

Bruce, Donald, & Company: *See*—
Medicated Products Co.

Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental appliances. 285,765, renewed Aug. 4, 1951. O. G. Nov. 20. Class 44.

Buffalo Wire Works Co., Buffalo, N. Y. High carbon steel wire cloth. 551,053, Nov. 20; Serial No. 596,774, published Aug. 28, 1951. Class 13.

Bugge, F. A., doing business as Bangor Packing Company, Bangor, to Iwersen Canning Company, Bellingham, Wash. Canned clams, canned clam nectar, etc. 288,135, renewed Oct. 20, 1951. O. G. Nov. 20. Class 46.

Bumstead, Ralph W., Westfield, N. J. Playing cards. 551,052, Nov. 20; Serial No. 596,650, published July 24, 1951. Class 22.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. 285,719, renewed Aug. 4, 1951. O. G. Nov. 20. Class 21.

Burnham Corporation, Irvington on Hudson, N. Y. Aluminum roofing caps. 551,055, Nov. 20; Serial No. 596,977, published July 24, 1951. Class 12.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in Attorney General of the United States, Washington, D. C. Medicinal preparations. 286,337, renewed Aug. 25, 1951. O. G. Nov. 20. Class 18.

Calar Chemical Company, Pasadena, Calif. Combustible fluid. 551,157, Nov. 20; Serial No. 600,208. Class 6.

California Consumers Corporation, Los Angeles, Calif. Frozen fresh vegetables. 550,927, Nov. 20; Serial No. 545,437, published July 10, 1951. Class 46.

Caller Co., Inc., doing business as Calnor Products, Boston, Mass. Copper and stainless steel cleanser. 551,081, Nov. 20; Serial No. 600,369, published July 31, 1951. Class 52.

Calnor Products: *See*—
Caller Co., Inc.

Campbell, Andrew C., Incorporated, Waterbury, to American Chain & Cable Company, Inc., Bridgeport, Conn. Metal-swaging machinery. 282,879, renewed May 5, 1951. O. G. Nov. 20. Class 23.

Canas-Tab Company, The: *See*—
Stoll, Ernest C.

Capital Bakers, Inc.: *See*—
Capital City Baking Co.

Capital City Baking Co., to Capital Bakers, Inc., Harrisburg, Pa. Bread. 287,990, renewed Oct. 20, 1951. O. G. Nov. 20. Class 46.

CarPac Mfg. Company: *See*—
Carter, Sarah E.

Carson Pirie, Scott, & Company, Chicago, Ill. Teen age girls' outer clothing. 550,973, Nov. 20; Serial No. 578,487, published July 24, 1951. Class 39.

Carter, Sarah E., doing business under the assumed business name of CarPac Mfg. Company, Portland, Oreg. Luggage-carriers for the tops of automobiles. 551,147, Nov. 20; Serial No. 573,706. Class 19.

Cash, A. W., Valve Manufacturing Corporation, Decatur, Ill. Automatic reseating relief valves. 551,128, Nov. 20; Serial No. 609,434, published Sept. 4, 1951. Class 13.

Chadbourne, E. M., Company, San Francisco, Calif., to E. M. Chadbourne, Pensacola, Fla. Composition paving material and pavements. 82,962, re-renewed Aug. 8, 1951. O. G. Nov. 20. Class 12.

Chadbourne, Edward M.: *See*—
Chadbourne, E. M., Company.

Chamberlain, F. B., Company, St. Louis, Mo. Article of food. 791,648, Sept. 27, 1910. Republished Nov. 20. Class 46.

Cherry-Burrell Corporation, Chicago, Ill. Oil and grease. 550,918, Nov. 20; Serial No. 479,223, published July 31, 1951. Class 15.

Chicago Pneumatic Tool Company, New York, N. Y. Flexible fluid conduits. 286,779, renewed Sept. 1, 1951. O. G. Nov. 20. Class 35.

Chicago Pneumatic Tool Company, New York, N. Y. Electrical apparatus and machines. 287,700, renewed Oct. 6, 1951. O. G. Nov. 20. Class 21.

Chicago Retort & Fire Brick Co., to Laclede-Christy Company, Chicago, Ill. Fire-brick and special-shaped fire-brick. 84,816, re-renewed Jan. 9, 1952. O. G. Nov. 20. Class 12.

Chipman Knitting Mills, Easton, Pa., by Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 135,633, Oct. 19, 1920. Republished Nov. 20. Class 39.

Chipman's, Chas., Sons Co., Inc.: *See*—
Chipman Knitting Mills.

Chrysler Corporation, Highland Park, Mich. Automotive vehicle brake parts. 550,992, Nov. 20; Serial No. 583,521, published July 24, 1951. Class 19.

Coachella Valley Citrus Association, Thermal, to Coachella Valley Citrus Association, Mecca, Calif. Fresh grapefruit and tangerines. 288,752, renewed Nov. 3, 1951. O. G. Nov. 20. Class 46.

Colin Pharmacal Co., Inc., Long Island City, N. Y. Multivitamin product. 551,118, Nov. 20; Serial No. 608,148, published July 31, 1951. Class 18.

Collins, Hal, Company, Dallas, Tex. Shampoo. 551,080, Nov. 20; Serial No. 600,327, published Aug. 7, 1951. Class 52.

Columbian Art Works, Inc., Milwaukee, Wis. Calendar pads and calendar stands. 287,549, renewed Sept. 29, 1951. O. G. Nov. 20. Class 37.

Consolidated Cosmetics, Chicago, Ill. Lipstick and lip salve. 550,974, Nov. 20; Serial No. 578,571, published July 17, 1951. Class 51.

Continental "Blue Banner" Agency: *See*—
Armstrong, William N.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 289,233, renewed Nov. 24, 1951. O. G. Nov. 20. Class 15.

Courtley, Ltd., assignor to Richard Hudnut, New York, N. Y. Deodorant body powder. 551,067, Nov. 20; Serial No. 599,084, published July 24, 1951. Class 51.

Cresca Company, Incorporated, New York, N. Y. Blueberry and lemon marmalade, cherry and orange marmalade, etc. 397,048, Aug. 18, 1942. Amended. O. G. Nov. 20. Class 46.

Crompton Company, Crompton, R. I. Fabrics in the piece. 550,924, Nov. 20; Serial No. 543,105, published Sept. 14, 1948. Class 42.

Crouse-Hinds Company, Syracuse, N. Y. Electrical conduit fittings. 285,774, renewed Aug. 4, 1951. O. G. Nov. 20. Class 21.

Crow, James T., doing business under the firm name "The Nesta-Cola Company," San Antonio, Tex. Maltless soft drinks and concentrates. 444,603, Nov. 20; Serial No. 522,137, published Sept. 19, 1950. Class 45.

Crump, B. T., Company, Inc., Richmond, Va. Automobile seat covers. 551,100, Nov. 20; Serial No. 604,720, published July 31, 1951. Class 19.

Dahlstrom Metallic Door Company, Jamestown, N. Y. Metallic doors, metallic interior and exterior building trim, etc. 551,001, Nov. 20; Serial No. 586,400, published July 24, 1951. Class 12.

Davis & Geck, Inc., Brooklyn, N. Y. Surgical skin sutures. 287,081, renewed Sept. 15, 1951. O. G. Nov. 20. Class 44.

Detroit Air Conditioning Service Co.: *See*—
Tomsek, Frank J.

Dish Master Corporation, Pontiac, Mich. Hydraulic dishwashing apparatus. 551,034, Nov. 20; Serial No. 594,895, published Aug. 28, 1951. Class 13.

Dodge, Mildred M., and William Boal, Stamford, Conn. Laundry washboards and clothespins. 551,085, Nov. 20; Serial No. 601,315, published Aug. 28, 1951. Class 24.

Doughty Laboratories, Inc., New York, N. Y. Carburizing compound. 551,153, Nov. 20; Serial No. 595,946. Class 6.

Drueke, Wm. F., and Sons, Grand Rapids, Mich. Game score board. 551,017–18, Nov. 20; Serial Nos. 592,762–3, published July 31, 1951. Class 22.

Dunlop Rubber Company Limited, Erdington, Birmingham, England. Windshield wipers. 550,981, Nov. 20; Serial No. 580,291, published July 31, 1951. Class 19.

Duplan Corporation, The, New York, N. Y. Fabrics. 551,075, Nov. 20; Serial No. 599,864, published Aug. 14, 1951. Class 42.

Dushoff, David, doing business as New Era Steel Tile Co., Philadelphia, Pa. Steel tile for application to walls and ceilings. 550,967, Nov. 20; Serial No. 576,858, published July 24, 1951. Class 12.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic lenses. 550,949, Nov. 20; Serial No. 569,615, published Aug. 8, 1950. Class 26.

Edison Electrical Company: *See*—
Leibow, Saul.

Egyptian Chemical Company, Boston, Mass. Embalming machine. 550,928, Nov. 20; Serial No. 545,830, published July 17, 1951. Class 44.

Elby Stores, Inc., New York, N. Y. Ladies' hosiery. 551,028, Nov. 20; Serial No. 594,258, published Jan. 23, 1951. Class 39.

Elliott Paint & Varnish Company, Chicago, Ill. Varnishes and liquid paint enamels. 550,998, Nov. 20; Serial No. 584,978, published May 8, 1951. Class 16.

Emery Industries, Inc., Cincinnati, Ohio. Liquid and solid fatty acids. 550,944, Nov. 20; Serial No. 566,822, published July 17, 1951. Class 6.

Endless Belt Corporation, Pisgah Forest, N. C. Linen, cotton, and other fabric endless belts. 550,955, Nov. 20; Serial No. 572,619, published Aug. 21, 1951. Class 45.

Energy Food Supplement Co., The: *See*—
Sorem, Bert.

Energy Food Supplement Company, Inc., The, assignee: *See*—
Sorem, Bert.

Erekta Fence Corporation, Brooklyn, N. Y. Garden and lawn wire fences. 551,040, Nov. 20; Serial No. 595,658, published Aug. 28, 1951. Class 13.

Fibras Saltillo, S. A., Saltillo, Mexico. Hard, animal, vegetable, and artificial fibres. 550,945, Nov. 20; Serial No. 567,510, published Aug. 7, 1951. Class 1.

Fiszer, Bert, Seed Company, Louisville, Ky. Seeds. 551,003, Nov. 20; Serial No. 586,635, published Aug. 7, 1951. Class 1.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 551,029, Nov. 20; Serial No. 594,442, published July 17, 1951. Class 52.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Fischel, Henry A., Inc., Philadelphia, Pa. Processed tobacco stems. 550,925, Nov. 20; Serial No. 543,429, Aug. 7, 1951. Class 1.

Fleet Reserve Association, Washington, D. C. Periodicals. 290,861, renewed Jan. 19, 1952. O. G. Nov. 20. Class 38.

Flint, Eaton and Company, Decatur, Ill. Choline dihydrogen citrate. 551,056, Nov. 20; Serial No. 597,261, published July 17, 1951. Class 18.

Florasynth Laboratories, Inc., New York, N. Y. Synthetic organic products for use in vanilla flavors, etc. 286,411, renewed Aug. 23, 1951. O. G. Nov. 20. Class 46.

Formfit Company, The, Chicago, Ill. Corsets, corset waists, brassières, etc. 290,813, renewed Jan. 19, 1952. O. G. Nov. 20. Class 39.

Fox Chemicals: *See*—
Fox, Pearl A.

Fox, Pearl A., doing business as Fox Chemicals, Bristow, Okla. Paraffin solvents. 551,158, Nov. 20; Serial No. 600,582. Class 6.

Fratelli Borletti Società per Azioni, Milan, Italy. Sewing machines. 551,163, Nov. 20; Serial No. 605,550. Class 23.

French Battery & Carbon Company, by Ray-O-Vac Company, Madison, Wis. Dry batteries. 209,059, Feb. 16, 1926. Republished Nov. 20. Class 21.

Fries Bros., Inc.: *See*—
Fries, Harold H.

Fries, Harold H., to Fries Bros., Inc., New York, N. Y. Antiseptic and disinfectant. 289,719, renewed Dec. 1, 1951. O. G. Nov. 20. Class 18.

Furgatch, Bernard, executor: *See*—
Weinberg, Albert B.

Garden City Planting & Mfg. Co., Chicago, Ill. Lighting reflectors. 394,728, Apr. 28, 1942. Republished Nov. 20. Class 34.

Garner & Co., New York, N. Y. Laundry carts. 551,117, Nov. 20; Serial No. 607,705, published July 31, 1951. Class 19.

General Cable Corporation, New York, N. Y. Bare and insulated electrical wire and cables. 551,142, Nov. 20; Serial No. 558,130. Class 21.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Rye flour. 550,922, Nov. 20; Serial No. 538,743, published July 10, 1951. Class 46.

General Time Corporation: *See*—
Western Clock Company.
Western Clock Manufacturing Company, The.

Glidden, Otis E., & Co., Inc., Waukesha, Wis. Medicinal preparation. 551,101, Nov. 20; Serial No. 604,777, published July 17, 1951. Class 18.

Gold Star Hosiery Mills, Inc., New York, N. Y. Ladies' hosiery. 551,030, Nov. 20; Serial No. 594,454, published June 5, 1951. Class 39.

Golden 'B' Manufacturing Co. Inc., Cleveland, Ohio. Dark room safe light. 550,953, Nov. 20; Serial No. 571,268, published July 24, 1951. Class 26.

Goldsmith, Louis, Inc., Philadelphia, Pa. Men's and boys' suits, coats, vests, etc. 550,923, Nov. 20; Serial No. 542,916, published July 24, 1951. Class 39.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. 550,993, Nov. 20; Serial No. 583,688, published Aug. 21, 1951. Class 42.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic tires. 550,987–8, Nov. 20; Serial Nos. 582,615–16, published Aug. 21, 1951. Class 35.

Grey Iron Casting Company, Mount Joy, Pa. Bolts, broom and tool holding brackets, chain door fasteners, etc. 550,977, Nov. 20; Serial No. 579,817, published Aug. 28, 1951. Class 13.

Hall, E. C., Company, also doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass., and Augusta, Maine, to E. C. Hall Company, also doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass. Baking-powder, bleach water, and salt. 289,656, renewed Dec. 1, 1951. O. G. Nov. 20. Class 46.

Har-Lee Rod, Inc., Weehawken, N. J. Fishing rods and reels and parts thereof. 551,043, Nov. 20; Serial No. 596,342, published July 31, 1951. Class 22.

Harper Method, Rochester, N. Y. Lemon cream, cold cream and vanishing cream, solid and liquid cleansing and facial creams, etc. 550,950, Nov. 20; Serial No. 570,050, published July 17, 1951. Class 51.

Harrington-Rennells, Santa Monica, Calif. Fishing tackle. 551,036, Nov. 20; Serial No. 595,137, published July 24, 1951. Class 22.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. 550,926, Nov. 20; Serial No. 544,086, published July 24, 1951. Class 19.

Haugron Cientifical, S. A., Barcelona, Spain. Cosmetics. 551,090, Nov. 20; Serial No. 602,318, published July 17, 1951. Class 51.

Helwith, Alfred L., New York, N. Y. Textile fabrics. 551,021, Nov. 20; Serial No. 593,175, published Aug. 21, 1951. Class 42.

Herrman-McLean Company, The, Cleveland, Ohio. Feed for livestock. 551,013, Nov. 20; Serial No. 590,980, published July 10, 1951. Class 46.

Hershey Chocolate Corporation, Hershey, Pa. Chocolate compound. 551,165, Nov. 20; Serial No. 610,068. Class 46.

Hershman Musical Instrument Co., Inc., New York, N. Y. Musical instruments and accessories. 550,963, Nov. 20; Serial No. 574,145, published Sept. 4, 1951. Class 36.

Hewitt-Robins Incorporated, Buffalo, N. Y. Rubber and fabric hose. 551,054, Nov. 20; Serial No. 596,846, published Aug. 21, 1951. Class 35.

Hockaday, Inc., Chicago, Ill. Paint enamel. 550,919, Nov. 20; Serial No. 515,561, published Aug. 28, 1951. Class 16.

Hoffman, George, doing business under the trade name and style of Precision Service Co., New York, N. Y. Repair service on automobile parts. 551,168, Nov. 20; Serial No. 604,784. Class 103.

Holdfast Tool Co., Inc., Los Angeles, Calif. Ironing board pad and cover set. 551,134, Nov. 20; Serial No. 611,520, published Aug. 28, 1951. Class 24.

Holland-Rantos Co., Inc., New York, N. Y. Vaginal diaphragms. 290,475, renewed Jan. 5, 1952. O. G. Nov. 20. Class 44.

Hollins, William, & Company Limited, Nottingham, England. Piece goods. 551,082, Nov. 20; Serial No. 600,485, published Aug. 14, 1951. Class 42.

Holt Manufacturing Company, Oakland, Calif. Electrically operated floor surfacing machines. 551,145, Nov. 20; Serial No. 570,205. Class 21.

Holt Manufacturing Company, Oakland, Calif. Electrical portable floor finishing machines. 551,146, Nov. 20; Serial No. 570,206. Class 21.

Hopp Press, Inc., The, New York, N. Y. Mounting strips. 551,011, Nov. 20; Serial No. 590,366, published Sept. 4, 1951. Class 13.

Hospital Liquids, Inc., Chicago, Ill. Disposable parenteral administration sets, etc. 551,083, Nov. 20; Serial No. 600,833, published July 3, 1951. Class 44.

Hossmann, Paul, Bern, Switzerland. Separable slide fasteners and slides for separable slide fasteners. 551,097, Nov. 20; Serial No. 603,846, published Aug. 28, 1951. Class 13.

Houghton, E. F., & Co., Philadelphia, Pa. Compounds used in softening textile fabrics. 288,412, Oct. 27, 1931. Republished Nov. 20. Class 6.

House of Stuart, Incorporated, The, New York, N. Y. Liquid hair dressing and softening lotion. 551,106, Nov. 20; Serial No. 605,259, published June 19, 1951. Class 51.

House of Westmore, Inc., New York, N. Y. Lipstick, rouge, liquid foundation, etc. 551,061, Nov. 20; Serial No. 598,632, published July 17, 1951. Class 51.

Hoyt, F. M., Shoe Company, Manchester, N. H., to Wilson Footwear Company, Boston, Mass. Leather boots and shoes. 82,086, re-renewed May 30, 1951. O. G. Nov. 20. Class 39.

Hudnut, Richard, assignee: *See*—
Courtley, Ltd.

Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa. Textile rugs and carpets. 290,271, renewed Dec. 29, 1951. O. G. Nov. 20. Class 42.

Hulen, Charles O., assignor to Mary Hulen Incorporated, Long Beach, Calif. Cosmetic creams, powder base, face powder, etc. 551,005, Nov. 20; Serial No. 587,871, published Aug. 7, 1951. Class 51.

Hulen, Mary, Incorporated, assignee: *See*—
Hulen, Charles O.

HyCrest Farms: *See*—
Sawyer, Lester T.

Hyland, G. H., doing business as Hyland's Home Health Service, to The Knox Company, Los Angeles, Calif. Kidney diuretic. 290,028, renewed Dec. 22, 1951. O. G. Nov. 20. Class 18.

Hyland's Home Health Service: *See*—
Hyland, G. H.

Hypro Engineering Co., Minneapolis, Minn. Rotary pumps. 551,139, Nov. 20; Serial No. 541,422. Class 23.

Hyster Company, Portland, Oreg. Load-squeezing mechanisms. 551,150, Nov. 20; Serial No. 591,780. Class 23.

Illinois Clay Products Company, Joliet, Ill. Fire clay. 550,991, Nov. 20; Serial No. 583,396, published Aug. 7, 1951. Class 1.

Imperial Chemical Industries, Limited, London and Millbank, London, England. Ammunition, ammunition components, and projectiles. 551,010, Nov. 20; Serial No. 590,083, published Aug. 21, 1951. Class 9.

Ingraham, E., Company, The, Bristol, Conn. Clocks and watches. 288,514, renewed Oct. 27, 1951. O. G. Nov. 20. Class 27.

Ink, Harry H., to The Tonsilline Company, Canton, Ohio. Remedy for tonsilitis, acute and chronic sore throat, coughs, colds, etc. 84,746, re-renewed Jan. 2, 1952. O. G. Nov. 20. Class 18.

Ives-Cameron Company, Inc., New York, N. Y. Antihistamine compound. 551,032, Nov. 20; Serial No. 594,840, published Dec. 26, 1950. Class 18.

Iwersen Canning Company: *See*—
Bugge, F. A.

Jayrich Footwear Co., Lynn, Mass. Shoes. 550,943, Nov. 20; Serial No. 566,588, published July 10, 1951. Class 39.

Jefferson Electric Company, Bellwood, Ill. Electric clocks. 551,009, Nov. 20; Serial No. 589,579, published July 17, 1951. Class 27.

Jeradent Inc., Newark, N. J. Dental plate cleaning composition. 551,098, Nov. 20; Serial No. 603,884, published July 17, 1951. Class 51.

Jobber's Manufacturing & Distributing Company, St. Louis, Mo. Automobile seat covers. 551,115, Nov. 20; Serial No. 607,632, published July 31, 1951. Class 19.

K & W Pharmaceuticals, Inc., San Francisco, Calif. Sedative and nervous insomnia drug. 550,996, Nov. 20; Serial No. 584,909, published July 17, 1951. Class 18.

Kats, Bernard, doing business as Wisconsin Company, Brussels, Belgium. Belting. 550,971, Nov. 20; Serial No. 578,394, published Aug. 21, 1951. Class 35.

Kay Electric Company, Pine Brook, N. J. Sweeping oscillator set or apparatus. 550,960, Nov. 20; Serial No. 573,552, published July 24, 1951. Class 26.

Kay Electric Company, Pine Brook, N. J. Pulse generator set or apparatus. 550,961, Nov. 20; Serial No. 573,553, published July 24, 1951. Class 26.

Kay Electric Company, Pine Brook, N. J. Special oscillator set or apparatus. 550,962, Nov. 20; Serial No. 573,554, published July 24, 1951. Class 26.

Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Fluorinated polymer oil. 550,976, Nov. 20; Serial No. 579,541, published July 17, 1951. Class 6.

Kellogg-Smith, Ogden, Chestertown, Md. Pleasure boats. 551,059, Nov. 20; Serial No. 598,100, published July 24, 1951. Class 19.

Kelly-Springfield Tire Company, The, Cumberland, Md. Camelback. 551,104, Nov. 20; Serial No. 605,038, published Aug. 21, 1951. Class 35.

Kendall Company, The, Boston, Mass. Dolls. 551,008, Nov. 20; Serial No. 589,450, published July 31, 1951. Class 22.

Kerk Guild, Inc., Whitesboro, N. Y. Card table covers. 551,019, Nov. 20; Serial No. 592,911, published Aug. 21, 1951. Class 42.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 286,956, renewed Sept. 8, 1951. O. G. Nov. 20. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Shower curtains and window drapes. 288,359, renewed Oct. 27, 1951. O. G. Nov. 20. Class 42.

Knox Company, The: *See*—
Hyland, G. H.

Korday Candies, Inc., Brooklyn, N. Y. Hard candy. 551,160, Nov. 20; Serial No. 602,558. Class 46.

Kraft Paper Products Limited, St. Johns, Quebec, Canada. Fences. 551,033, Nov. 20; Serial No. 594,950, published July 24, 1951. Class 12.

Laclede-Christy Company: *See*—
Chicago Retort & Fire Brick Co.

Legge, Walter G., Company, Inc., New York, N. Y. Clamps for attaching sweep cloths to brooms, brushes and the like. 551,072, Nov. 20; Serial No. 599,441, published Aug. 28, 1951. Class 13.

Leibow, Saul, doing business as Edison Electrical Company, Providence, R. I. Fluorescent lighting fixture and parts thereof. 551,159, Nov. 20; Serial No. 601,446. Class 21.

Le Tourneau, R. G., Inc., Peoria, Ill., Longview, Tex., Vicksburg, Miss., and Toccoa, Ga. Heavy duty hauling and dumping trailers. 550,965, Nov. 20; Serial No. 575,008, published July 24, 1951. Class 19.

Letts Lumber Company: *See*—
Letts, Walter W.

Letts, Walter W., doing business as Letts Lumber Company, Northville, N. Y. Pressed cakes of sawdust. 550,999, Nov. 20; Serial No. 585,849, published Aug. 7, 1951. Class 1.

Logan-Long Company, The, Chicago, Ill. Outside coverings made of flexible felt and impregnated with asphaltum. 285,750, renewed Aug. 4, 1951. O. G. Nov. 20. Class 12.

Losinski, Francis, trading and doing business as Toys by Francis, Winona, Minn. Stuffed animal toys. 551,035, Nov. 20; Serial No. 595,029, published July 31, 1951. Class 22.

Lund, C. A., Company, North St. Paul, Minn. Skis, ski poles, ski bindings, etc. 551,087, Nov. 20; Serial No. 601,743, published July 17, 1951. Class 22.

Malone, L. T., doing business as L. T. Malone Co., Phoenix, Ariz. Fresh fruits and vegetables. 551,006, Nov. 20; Serial No. 588,698, published Aug. 28, 1951. Class 46.

Malone, L. T., Co.: *See*—
Malone, L. T.

Manhattan Rubber Mfg. Company, New York, N. Y., to Raybestos-Manhattan, Inc., Passaic, N. J. Hose-conduits. 84,853, re-renewed Dec. 26, 1951. O. G. Nov. 20. Class 35.

Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass. Atomizers. 551,107, Nov. 20; Serial No. 605,520, published July 17, 1951. Class 44.

Mann, Leo, & Company: *See*—
Mann Chemical Laboratories, Inc.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Valves and parts thereof. 550,938, Nov. 20; Serial No. 560,489, published Aug. 28, 1951. Class 13.

Mara Laboratories, Inc., The Harrison, N. J. Medicinal preparations. 550,951, Nov. 20; Serial No. 570,109, published July 24, 1951. Class 18.

Mariani, Frank N., New York, N. Y. Combined rear view mirrors and thermometers. 550,959, Nov. 20; Serial No. 573,220, published July 31, 1951. Class 19.

Mark Laboratories, Inc., Pittsburgh, Pa. Germicide, fungicide, and disinfectant preparations, etc. 550,978, Nov. 20; Serial No. 579,937, published July 17, 1951. Class 6.

Markwell Manufacturing Company, Inc., New York, N. Y. Staples. 551,062, Nov. 20; Serial No. 598,662, published Sept. 4, 1951. Class 13.

Marley Company, Inc., The, Kansas City, Kans. Liquid cooling towers and parts thereof. 551,154, Nov. 20; Serial No. 596,229. Class 31.

Marshall Field & Company, Chicago, Ill. Women's and children's dresses, coats, sweaters, etc. 342,678, Jan. 26, 1937. Amended. O. G. Nov. 20. Class 39.

Marx & Cohen Company, St. Louis, Mo. Pads for ironing boards. 551,135, Nov. 20; Serial No. 612,131, published Sept. 4, 1951. Class 24.

Masback Incorporated, New York, N. Y. Wire screen cloth, lawn sprinklers, radiator air valves, etc. 550,939, Nov. 20; Serial No. 561,842, published Sept. 4, 1951. Class 13.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 551,045, Nov. 20; Serial No. 596,599, published July 17, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 551,046–7, Nov. 20; Serial Nos. 596,602–3, published July 17, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 551,048–50, Nov. 20; Serial Nos. 596,605–7, published July 17, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 551,051, Nov. 20; Serial No. 596,610, published July 17, 1951. Class 18.

Mattco, Inc., Houston, Tex. Parts for drilling mud pumps. 551,037, Nov. 20; Serial No. 595,141, published Aug. 21, 1951. Class 35.

Mattern, F., Mfg. Co., Chicago, Ill. X-Ray apparatus. 551,138, Nov. 20; Serial No. 533,187. Class 44.

McLean, Dr. J. H., Medicine Co., The, St. Louis, Mo. Tablets for symptomatic relief of colds and hay fever. 551,031, Nov. 20; Serial No. 594,650, published Dec. 26, 1950. Class 18.

Medicated Products Co., doing business as Donald Bruce & Company, Chicago, Ill. Wedding rings and engagement rings. 551,057, Nov. 20; Serial No. 597,834, published July 17, 1951. Class 28.

Memory Shoe Corporation, also doing business as Moby Dick Manufacturing Co., Omaha, Nebr. Artificial fishing lures. 551,026, Nov. 20; Serial No. 594,133, published July 31, 1951. Class 22.

Mercury Vacuum Stores, San Bernardino, Calif. Electric vacuum cleaners. 551,148, Nov. 20; Serial No. 584,071. Class 21.

Merlino, A., & Sons, Seattle, Wash. Canned tomatoes, tomato sauce, canned peas, etc. 240,430, March 27, 1928. Restricted. O. G. Nov. 20. Class 46.

Metals Refining Company, to Metals Refining Company Inc., Hammond, Ind. Pig lead and lead alloys. 323,616, Apr. 23, 1935. New certificate. O. G. Nov. 20. Class 14.

Metals Refining Company Inc.: *See*—
Metals Refining Company.

Metzler, Norman R., doing business as Norman R. Metzler Beauty Salon, York, Pa. Adjustable head covering for measuring the length of and proper cutting of the hair. 551,152, Nov. 20; Serial No. 595,268. Class 26.

Metzler, Norman R., Beauty Salon: *See*—
Metzler, Norman R.

Meyercord Co., The, Chicago, Ill. Decalcomania transfers. 288,931, renewed Nov. 10, 1951. O. G. Nov. 20. Class 38.

Mid-Western Industries, Inc., Wichita, Kans. Gridirons or meat broiling racks. 551,088, Nov. 20; Serial No. 601,878, published Aug. 28, 1951. Class 13.

Mifflin Chemical Company: *See*—
Mifflin Chemical Corporation.

Mifflin Chemical Corporation, to Mifflin Chemical Company, Philadelphia, Pa. Uterine sedative. 290,847, renewed Jan. 19, 1952. O. G. Nov. 20. Class 18.

Migel, M. C., & Co., to National Mallinson Fabrics Corporation, New York, N. Y. Woven broad silk piece goods. 84,656, re-renewed Dec. 26, 1951. O. G. Nov. 20. Class 42.

Mikay Optical Company, Inc., Newark, N. J. Sun glasses. 551,073, Nov. 20; Serial No. 599,642, published July 24, 1951. Class 26.

Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes and slippers. 289,242, renewed Nov. 24, 1951. O. G. Nov. 20. Class 39.

Miller, Roe, Dental Laboratory: *See*—
Miller, Roland M.

Miller, Roland M., doing business as Roe Miller Dental Laboratory, Cleveland, Ohio. Dentures, dental plates and bridges. 550,966, Nov. 20; Serial No. 576,007, published July 17, 1951. Class 44.

Milton Roy Company, Philadelphia, Pa. Measuring chemical pump. 551,070, Nov. 20; Serial No. 599,193, published July 24, 1951. Class 26.

Moby Dick Manufacturing Co.: *See*—
Memory Shoe Corporation.

Modern Optics, Incorporated, Houston, Tex. Ophthalmic lenses and lens blanks. 551,166, Nov. 20; Serial No. 610,450. Class 26.

Monarch Rubber Company, The, Hartville, Ohio. Solid industrial rubber tires. 551,069, Nov. 20; Serial No. 599,186, published Aug. 21, 1951. Class 35.

Monark Silver King, Inc., Chicago, Ill. Bicycles. 550,969, Nov. 20; Serial No. 577,220, published July 24, 1951. Class 19.

Monfield Corporation, New York, N. Y. Tops of the bandalore type. 551,041, Nov. 20; Serial No. 595,672, published July 17, 1951. Class 22.

Murray Corporation of America, The, Detroit, Mich. Bathtubs. 551,024, Nov. 20; Serial No. 593,810, published Aug. 28, 1951. Class 13.

Nation-Wide Service Grocers: *See*—
Hall, E. C., Company.

Nation-Wide Stores Co.: *See*—
Hall, E. C., Company.

National Mallinson Fabrics Corporation: *See*—
Migel, M. C., & Co.

National Metal Edge Box Company, Philadelphia, Pa. Metal stays for paper boxes. 551,058, Nov. 20; Serial No. 598,030, published Aug. 28, 1951. Class 13.

"Necta-Cola Company, The": *See*—
Crow, James T.

Nestle-LeMur Company, The, South Meriden, Conn. Preparations for use in the treatment of the hair, etc. 550,958, Nov. 20; Serial No. 573,194, published July 17, 1951. Class 51.

New Era Steel Tile Co.: *See*—
Dushoff, David.

New York Coal Sales Company, Columbus, Ohio. Fresh apples. 550,956, Nov. 20; Serial No. 572,863, published July 10, 1951. Class 46.

Norman Chemical Company, St. Paul, Minn. Chemical additive for fuel oils. 551,094, Nov. 20; Serial No. 603,593, published July 17, 1951. Class 15.

Normandie Bedspread Co., New York, N. Y. Bedspreads. 551,129, Nov. 20; Serial No. 609,563, published Aug. 21, 1951. Class 42.

North Carolina Granite Corporation, The, Mount Airy, N. C. Granite. 550,929, Nov. 20; Serial No. 554,395, published Aug. 7, 1951. Class 1.

Northrop Aircraft, Inc., Hawthorne, Calif. Airplanes, and parts thereof. 551,113, Nov. 20; Serial No. 607,445, published July 31, 1951. Class 19.

Nursecraft, Inc., to Nursecraft Inc., New York, N. Y. Shoes, caps, capes, etc. 290,814, renewed Jan. 19, 1952. O. G. Nov. 20. Class 39.

Nutrition Research Laboratories, Inc., Chicago, Ill. Pharmaceutical preparation. 551,109, Nov. 20; Serial No. 606,082, published July 17, 1951. Class 18.

Nydqvist & Holm Aktiebolag, Trollhattan, Sweden. Omnibuses, railway carriages and freight and express rail cars. 551,071, Nov. 20; Serial No. 599,387, published July 31, 1951. Class 19.

Nye, M. J., Company: *See*—
Nye, Maxwell J.

Nye, Maxwell J., doing business as M. J. Nye Company, New York, N. Y. Electric laundry washing machines. 551,002, Nov. 20; Serial No. 586,543, published Aug. 28, 1951. Class 24.

Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. 551,099, Nov. 20; Serial No. 604,315, published Aug. 21, 1951. Class 42.

Oil Well Supply Company, Dallas, Tex. Reciprocating and centrifugal pumps. 551,064, Nov. 20; Serial No. 598,808, published Apr. 17, 1951. Class 23.

Olson, C. Leroy, San Francisco, Calif. Dry comminuted cementitious compound. 551,074, Nov. 20; Serial No. 599,717, published July 24, 1951. Class 12.

Ottawa Steel Products, Inc., Ottawa, Kans. Manually operated valves. 551,121, Nov. 20; Serial No. 608,470, published Aug. 28, 1951. Class 13.

Owen Drug Co., Salisbury, N. C. Mentholated-creosoted preparation. 550,990, Nov. 20; Serial No. 583,283, published July 17, 1951. Class 18.

Owenby Manufacturing Company, The, Marietta, Ga. Children's diapers. 551,111, Nov. 20; Serial No. 608,892, published Aug. 21, 1951. Class 39.

Parfums Corday, Inc., New York, N. Y. Perfume. 551,022, Nov. 20; Serial No. 593,365, published July 17, 1951. Class 51.

Peck, David C., Chicago, Ill. Automobiles. 551,020, Nov. 20; Serial No. 592,932, published July 24, 1951. Class 19.

Peck, Samuel W., Inc., New York, N. Y. Men's, ladies' and children's clothing. 551,126, Nov. 20; Serial No. 609,258, published Sept. 4, 1951. Class 39.

Peck, Samuel W., Inc., New York, N. Y. Men's, ladies' and children's clothing. 551,127, Nov. 20; Serial No. 609,377, published Sept. 4, 1951. Class 39.

Perfumaria Flamour S. A., Sao Paulo, Brazil. Toilet waters and perfumes. 550,947, Nov. 20; Serial No. 568,444, published Aug. 7, 1951. Class 51.

Perk Dog Food Co., doing business as Perk Foods Co., Chicago, Ill. Canned horse meat. 551,161, Nov. 20; Serial No. 603,458. Class 46.

Perk Foods Co.: *See*—
Perk Dog Food Co.

Pettinos, George F., Incorporated, Philadelphia, Pa. Sands. 285,892, Aug. 11, 1931. Republished Nov. 20. Class 1.

Pfingst and Company, Incorporated, New York, N. Y. Permanent dental filling material. 550,982, Nov. 20; Serial No. 580,424, published July 31, 1951. Class 44.

Pharmazeutische Industrie A. G., Vienna, Austria, to Winthrop-Stearns Inc., New York, N. Y. Anaesthetic. 289,081, renewed Nov. 17, 1951. O. G. Nov. 20. Class 18.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. One-coat wall finish. 550,921, Nov. 20; Serial No. 533,360, published Aug. 28, 1951. Class 16.

Pillsbury Mills, Inc., Minneapolis, Minn. Prepared mixture. 551,151, Nov. 20; Serial No. 593,081. Class 46.

Pilot Distributing Company, Battle Creek, Mich. Tow bars. 550,936, Nov. 20; Serial No. 559,942, published July 24, 1951. Class 19.

Plastafilm Corporation, New York, N. Y. Plastic film. 551,023, Nov. 20; Serial No. 593,369, published Aug. 21, 1951. Class 42.

Pneumatic Tool Company, New York, N. Y. Pumping and compressing apparatus. 285,993, renewed Aug. 11, 1951. O. G. Nov. 20. Class 23.

Pratt Manufacturing Company, Coldwater, Mich. Coasting sleds. 550,940, Nov. 20; Serial No. 562,951, published July 31, 1951. Class 22.

Precision Service Co.: *See*—
Hoffman, George.

Q-Tips Inc., Long Island City, N. Y. Rubbing oil. 550,946, Nov. 20; Serial No. 567,712, published Aug. 7, 1951. Class 51.

Qualheim Inc., Racine, Wis. Commercial vegetable cutters and slicers. 551,143, Nov. 20; Serial No. 554,702. Class 23.

Radcliffe Shoes, Inc., Brockton, Mass. Shoes, slippers, and sandals. 550,941, Nov. 20; Serial No. 563,217, published June 5, 1951. Class 39.

Rail Air Equipment Company, Los Angeles, Calif. Rivets. 551,133, Nov. 20; Serial No. 610,461, published Sept. 4, 1951. Class 13.

Ramsey, Paul, Springfield, Pa. Retractable wheel trailers. 550,970, Nov. 20; Serial No. 577,733, published July 24, 1951. Class 19.

Ramsey Popcorn Co., Ramsey, Ind. Unpopped popcorn. 550,995, Nov. 20; Serial No. 584,871, published July 10, 1951. Class 46.

Raybestos-Manhattan, Inc.: *See*—
Manhattan Rubber Mfg. Company.

Ray-O-Vac Company: *See*—
French Battery & Carbon Company.

Remco, Inc., Zelienople, Pa. Coupling nuts. 550,994, Nov. 20; Serial No. 584,416, published Sept. 4, 1951. Class 13.

Resillo Company, Chicago, Ill. Press pads. 551,068, Nov. 20; Serial No. 599,118, published Sept. 4, 1951. Class 24.

Reynolds-Shaffer Co., Detroit, Mich. Chemical stabilizer. 551,167, Nov. 20; Serial No. 611,740. Class 6.

Richmond Manufacturing Company, Lockport, N. Y. Flexible conduits. 551,065, Nov. 20; Serial No. 598,866, published Aug. 21, 1951. Class 35.

Rollex Fastener Co., Inc., New York, N. Y. Slide fasteners. 551,131, Nov. 20; Serial No. 610,145, published Sept. 4, 1951. Class 13.

Rothschild, David, Company, Columbus, Ga. Fabrics. 551,077, Nov. 20; Serial No. 600,082, published June 19, 1951. Class 42.

Salubra S. A., Basel, Switzerland. Textile wall coverings. 288,039–40, renewed Oct. 20, 1951. O. G. Nov. 20. Class 42.

Salubra S. A., Basel, Switzerland. Oil paints. 289,067–8, renewed Nov. 17, 1951. O. G. Nov. 20. Class 16.

Sawyer, Lester T., doing business under the name and style of HyCrest Farms, Sterling, Mass. Vaginal speculums. 551,105, Nov. 20; Serial No. 605,176, published July 17, 1951. Class 44.

Sawyer, Regan Company, Dalton, Mass. Blankets and bedspreads, and textile rugs. 550,957, Nov. 20; Serial No. 573,005, published Aug. 21, 1951. Class 42.

Scammell Lorries Limited, Watford West, Hertfordshire, England. Automotive trucks and trailers. 550,972, Nov. 20; Serial No. 578,417, published July 31, 1951. Class 19.

Schaeffer, Joseph, Brattleboro, Vt. Cosmetic preparations. 551,092, Nov. 20; Serial No. 603,083, published July 17, 1951. Class 51.

Schenley Industries, Inc.: *See*—
Simon, J., & Sons, Inc.

Schnefel Bros. Corporation: *See*—
Schnefel Bros., Inc.

Schnefel Bros., Inc., by Schnefel Bros. Corporation, Newark, N. J. Tweezers. 286,717, Sept. 1, 1931. Republished Nov. 20. Class 23.

Schrafft, W. F., & Sons Corporation, Boston, Mass., to Frank G. Shattuck Company, New York, N. Y. Chocolate candies. 83,360, re-renewed Sept. 5, 1951. O. G. Nov. 20. Class 46.

Schwartz & Benjamin, Inc., New York, N. Y. Women's shoes. 550,920, Nov. 20; Serial No. 531,852, published June 5, 1951. Class 39.

Schwartz, Fred J., Toledo, Ohio. Fasteners and supports. 550,964, Nov. 20; Serial No. 574,250, published Sept. 4, 1951. Class 13.

Scott Paper Company, Chester, Pa. Tissue, creped, and absorbent papers. 289,699, renewed Dec. 1, 1951. O. G. Nov. 20. Class 37.

Scranton Electric Construction Co., by Scranton Electric Construction Co., Scranton, Pa. Electric rotary drills. 81,827, May 9, 1911. Republished Nov. 20. Class 23.

Scully Signal Company, Cambridge, Mass. Nozzles. 551,122, Nov. 20; Serial No. 608,477, published Aug. 28, 1951. Class 13.

Sears, Roebuck and Co., Chicago, Ill. Automobile supplies. 550,934, Nov. 20; Serial No. 558,758, published Aug. 21, 1951. Class 35.

Sears, Roebuck and Co., Chicago, Ill. Conveyor belts, garden hose, etc. 550,952, Nov. 20; Serial No. 570,654, published Aug. 21, 1951. Class 35.

Sears, Roebuck and Co., Chicago, Ill. Automobile tires. 550,984, Nov. 20; Serial No. 581,372, published Aug. 21, 1951. Class 35.

Sears, Roebuck and Co., Chicago, Ill. Tractor tires. 551,044, Nov. 20; Serial No. 596,527, published Aug. 21, 1951. Class 35.

Seedman Company, Inc., The, Brooklyn, N. Y. Garden tools, hand tools. 551,140, Nov. 20; Serial No. 551,320. Class 23.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Faucet seats, fuller balls, piston packing, etc. 288,175, Oct. 20, 1931. Republished Nov. 20. Class 35.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Ball cock seat caps, ball cock screws, ball cock thumb screws, etc. 551,132, Nov. 20; Serial No. 610,149, published Sept. 4, 1951. Class 13.

Shattuck, Frank G., Company: *See*—
Schrafft, W. F., & Sons Corporation.

Shattuck, Frank G., Company, New York, N. Y. Candy. 287,446, renewed Sept. 29, 1951. O. G. Nov. 20. Class 46.

Shawinigan Products Corporation, New York, N. Y. Acetaldehyde and its polymer paraldehyde, acetic acid, acetic anhydride, etc. 200,920, July 14, 1925. Republished Nov. 20. Class 6.

Shoe Corporation of America, Columbus, Ohio. Shoes. 550,948, Nov. 20; Serial No. 569,574, published Feb. 14, 1950. Class 39.

Silva, John R., doing business as John R. Silva & Co., Brooklyn, N. Y. Coffee, olive oil, cocoa, etc. 285,340, renewed July 28, 1951. O. G. Nov. 20. Class 46.

Silva, John R., & Co.: *See*—
Silva, John R.

Simon, J., & Sons, Inc., St. Louis, Mo., by Schenley Industries, Inc., New York, N. Y. Whiskey. 317,749, Oct. 2, 1934. Republished Nov. 20. Class 49.

Sklaroff Brothers, to Sklaroff Brothers, Inc., Philadelphia, Pa. Hosiery. 289,623, renewed Dec. 1, 1951. O. G. Nov. 20. Class 39.

Sklaroff Brothers, Inc.: *See*—
Sklaroff Brothers.

Smith, Cloyd D., Rivera, Calif. Dart guns, darts, arrows, and dart games. 551,096, Nov. 20; Serial No. 603,702, published July 24, 1951. Class 22.

Smith, Edgar L., doing business under the name and style of Beauty Sales, Los Angeles, Calif. Shampoo preparation. 551,155, Nov. 20; Serial No. 597,171. Class 52.

Societa Generale Delle Conserve Alimentari Cirio, San Giovanni-a-Teduccio, near Naples, Italy. Tomato extract. 84,049, re-renewed Oct. 31, 1951. O. G. Nov. 20. Class 46.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Colored and colorless plastic materials. 550,932, Nov. 20; Serial No. 557,708, published Aug. 7, 1951. Class 1.

Sorem, Bert, doing business as The Energy Food Supplement Co., assignor to The Energy Food Supplement Company, Inc., Clay Center, Kans. Dietary food supplement. 551,112, Nov. 20; Serial No. 607,146, published July 17, 1951. Class 18.

Southern California Fish Company, Los Angeles, to Southern California Fish Corporation, Terminal Island, Calif. Canned fish. 85,017, re-renewed Jan. 16, 1952. O. G. Nov. 20. Class 46.

Southern California Fish Corporation: *See*—
Southern California Fish Company.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Skis and ski poles. 550,979, Nov. 20; Serial No. 580,156, published July 31, 1951. Class 22.

Spaulding-Moss Company, Boston, Mass. Contact prints. 261,351, Sept. 17, 1929. Republished Nov. 20. Class 38.

Spectro Manufacturing and Sales, Inc., Arvada, Colo. Farm, ranch, and stockyard gates. 551,125, Nov. 20; Serial No. 609,214, published Aug. 28, 1951. Class 13.

Speidel Corporation: *See*—
Speidel, Edwin F. M.

Speidel, Edwin F. M., doing business as Automatic Gold Chain Company, to Speidel Corporation, Providence, R. I. Jewelry. 290,422, renewed Jan. 5, 1952. O. G. Nov. 20. Class 28.

Sperry Flour Company, San Francisco, Calif. Flour. 345,511, Apr. 27, 1937. Restricted. O. G. Nov. 20. Class 46.

Stevens, J. P., & Co., Inc.: *See*—
Stevens, M. T., & Sons Company.

Stevens, M. T., & Sons Company, North Andover, Mass., to J. P. Stevens & Co., Inc., New York, N. Y. Worsted, woolen and part-woolen piece goods. 84,763–4, re-renewed Jan. 2, 1951. O. G. Nov. 20. Class 42.

Stoll, Ernest C., doing business as The Canas-Tab Company, Kalamazoo, Mich. Peg type abacus. 551,095, Nov. 20; Serial No. 603,606, published July 17, 1951. Class 22.

Stylewise Hosiery Sales, Inc., New York, N. Y. Ladies' hosiery. 550,983, Nov. 20; Serial No. 581,039, published Aug. 21, 1951. Class 39.

Sun Oil Company, to Sun Oil Company, Philadelphia, Pa. Material made from petroleum and similar to turpentine. 83,525, re-renewed Sept. 19, 1951. O. G. Nov. 20. Class 16.

Sun Oil Company, Philadelphia, Pa. Oil. 287,738, renewed Oct. 6, 1951. O. G. Nov. 20. Class 15.

Sweden Freezer Manufacturing Company, Seattle, Wash. Refrigerating machine. 551,156, Nov. 20; Serial No. 597,176. Class 31.

Tau Beta Pi Association, Inc., The, Knoxville, Tenn. Periodical. 546,593, Aug. 14, 1951. Corrected. O. G. Nov. 20. Class 38.

Technical Rubber Co., Johnstown, Ohio. Pneumatic tube repair units. 551,038, Nov. 20; Serial No. 595,291, published Aug. 21, 1951. Class 35.

Temple Lumber Company, Pineland, Tex. Toilet seats. 551,084, Nov. 20; Serial No. 600,997, published Aug. 28, 1951. Class 13.

Tennant, G. H., Company, Minneapolis, Minn. Oil cover paint, floor sealing compound, etc. 550,931, Nov. 20; Serial No. 557,091, published Aug. 7, 1951. Class 16.

Tomsek, Frank J., doing business under the name of Detroit Air Conditioning Service Co., Detroit, Mich. Dial instrument. 550,942, Nov. 20; Serial No. 565,501, published July 24, 1951. Class 26.

Tonsiline Company, The: *See*—
Ink, Harry H.

Tower Grove Shoe Co., St. Louis, Mo. Women's shoes. 550,985, Nov. 20; Serial No. 582,506, published Aug. 21, 1951. Class 39.

Toys by Francis: *See*—
Losinski, Francis.

Trippe, Barker & Company, New York, N. Y. Cotton piece goods and linen piece goods. 550,989, Nov. 20; Serial No. 582,667, published Aug. 21, 1951. Class 42.

Trojan Battery Co., Los Angeles, Calif. Batteries. 551,162, Nov. 20; Serial No. 603,905. Class 21.

True Form Corset Company, Inc., Philadelphia, Pa. Girdles and panty girdles. 551,120, Nov. 20; Serial No. 608,441, published Aug. 28, 1951. Class 39.
United States Rubber Company: *See*— Adamson Bros. Company.
United States Rubber Company, New York, N. Y. Ring packing. 551,016, Nov. 20; Serial No. 592,586, published Aug. 21, 1951. Class 35.
United States Rubber Company, New York, N. Y. Inner tubes. 551,027, Nov. 20; Serial No. 594,154, published Aug. 21, 1951. Class 35.
Universal Mills, Fort Worth, Tex. Poultry feed. 219,573, Oct. 19, 1926. Republished Nov. 20. Class 46.
V. & E. Manufacturing Co., Pasadena, Calif. Drafting machines. 551,063, Nov. 20; Serial No. 598,766, published July 24, 1951. Class 26.
Valley Feed & Fuel Co., Inc., The, Madera, Calif. Fuel. 550,986, Nov. 20; Serial No. 582,509, published July 31, 1951. Class 1.
Van Bergen & Greener, Inc., Chicago, Ill. Starter drives, distributors, and current regulators. 551,149, Nov. 20; Serial No. 585,967. Class 21.
Vest, Peter, Sales Corporation, New York, N. Y. Eyebrow pencils, eye shadow, cream rouge etc. 551,091, Nov. 20; Serial No. 602,587, published July 17, 1951. Class 51.
Vickers Incorporated, Detroit, Mich. Pressure control valves, volume control valves, directional control valves, etc. 551,076, Nov. 20; Serial No. 599,913, published Aug. 28, 1951. Class 13.
Victor Manufacturing & Gasket Co., Chicago, Ill. Fluid seals. 551,014, Nov. 20; Serial No. 591,813, published Aug. 21, 1951. Class 35.
Vitaminerals, Inc., Glendale, Calif. Personal deodorants. 551,103, Nov. 20; Serial No. 604,998, published July 17, 1951. Class 18.
Voetmann, John M., doing business under the name and style Wenonah Flouring Mills, Bay City, Mich. Pastry flour. 551,102, Nov. 20; Serial No. 604,875, published July 10, 1951. Class 46.
Watson-Standard Co., The, by Watson Standard Company, Pittsburgh, Pa. Ready mixed paint. 317,383, Sept. 25, 1934. Republished Nov. 20. Class 16.
Watson Standard Company: *See*— Watson-Standard Co., The.
Weather-Mates Apparel Co. Inc., New York, N. Y. Ladies', misses', children's, etc., coats. 550,935, Nov. 20; Serial No. 559,733, published Oct. 25, 1949. Class 39.
Weinberg, Albert B., deceased; M. Weinberg and B. Furgatch, executors, assignors to H. L. Weisburg, New York, N. Y. Women's, girls' dresses, coats, underwear, etc. 551,039, Nov. 20; Serial No. 595,576, published Aug. 21, 1951. Class 39.
Weinberg, Maxine, executrix: *See*— Weinberg, Albert B.
Weisburg, Henry L., assignee: *See*— Weinberg, Albert B.
Wendell Plastic Fabrics Corp., New York, N. Y. Textile fabrics. 550,980, Nov. 20; Serial No. 580,219, published Aug. 21, 1951. Class 42
Wenonah Flouring Mills: *See*— Voetmann, John M.
Western Clock Company, Peru, by General Time Corporation, LaSalle, Ill. Clocks and watches. 283,942, June 9, 1931. Republished Nov. 20. Class 27.
Western Clock Company, Peru, by General Time Corporation, LaSalle, Ill. Clocks. 283,943, June 9, 1931. Republished Nov. 20. Class 27.
Western Clock Company, Peru, by General Time Corporation, LaSalle, Ill. Clocks and watches. 283,944–7, June 9, 1931. Republished Nov. 20. Class 27.
Western Clock Company, Peru, by General Time Corporation, LaSalle, Ill. Electrical motors. 288,318, Oct. 27, 1931. Republished Nov. 20. Class 21.
Western Clock Manufacturing Company, The, Peru, by General Time Corporation, LaSalle, Ill. Clocks and watches. 83,877, Oct. 17, 1911. Republished Nov. 20. Class 27.
Western Pharmacal Company, Salt Lake City, Utah. Lotion for prevention of sunburn. 551,089, Nov. 20; Serial No. 602,075, published July 17, 1951. Class 51.
Whale Oil Company Incorporated, Brooklyn, N. Y. Liquid solvent for the treatment of fuel oils. 551,144, Nov. 20; Serial No. 568,415. Class 15.
Wilson Footwear Company: *See*— Hoyt, F. M., Shoe Company.
Wind-King Electric Manufacturing Company, Merrill, Iowa. Power driven lawn and weed mowers. 551,141, Nov. 20; Serial No. 553,554. Class 23.
Winthrop-Stearns Inc.: *See*— Pharmazeutische Industrie A. G.
Wisconsin Company: *See*— Kats, Bernard.
Wood Gar Industries, Inc., Wayne, Mich. Truck bodies. 551,086, Nov. 20; Serial No. 601,669, published July 24, 1951. Class 19.
Wright, E. T., & Co., Inc.: *See*— Wright, E. T., & Company, Inc.
Wright, E. T., & Company, Inc., by E. T. Wright & Co., Inc., Rockland, Mass. Men's and boys' leather and canvas boots and shoes. 287,189, Sept. 15, 1931. Republished Nov. 20. Class 39.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Laundry washing compound. 551,004, Nov. 20; Serial No. 587,412, published Aug. 14, 1951. Class 52.
Wyeth Incorporated, Philadelphia, Pa. Koalin in alumina gel with pectin, for medicinal purposes. 551,114, Nov. 20; Serial No. 607,612, published July 17, 1951. Class 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, Fire. Illinois Clay Products Company. 550,991, Nov. 20; Serial No. 583,396, published Aug. 7, 1951.
Fuel. The Valley Feed & Fuel Co., Inc. 550,986, Nov. 20; Serial No. 582,509, published July 31, 1951.
Granite. The North Carolina Granite Corporation. 550,929, Nov. 20; Serial No. 554,395, published Aug. 7, 1951.
Hard, animal, vegetable, and artificial fibres. Fibras Saltillo, S. A. 550,945, Nov. 20; Serial No. 567,510, published Aug. 7, 1951.
Plastic materials, Colored and colorless. Societe Des Usines Chimiques Rhone-Poulenc. 550,932, Nov. 20; Serial No. 557,708, published Aug. 7, 1951.
Pressed cakes of sawdust. W. W. Letts. 550,999, Nov. 20; Serial No. 585,849, published Aug. 7, 1951.
Sands. George F. Pettinos, Incorporated. 285,892, Aug. 11, 1931. Republished Nov. 20.
Seeds. Bert Finzer Seed Company. 551,003, Nov. 20; Serial No. 586,635, published Aug. 7, 1951.
Tobacco stems, Processed. Henry A. Fischel, Inc. 550,925, Nov. 20; Serial No. 543,429, published Aug. 7, 1951.

CLASS 6

Acetaldehyde and its polymer paraldehyde, acetic acid, acetic anhydride, etc. Shawinigan Products Corporation. 200,920, July 14, 1925. Republished Nov. 20.
Carburizing compound. Doughty Laboratories, Inc. 551,153, Nov. 20; Serial No. 595,946.
Chemical stabilizer. Reynolds-Shaffer Co. 551,167, Nov. 20; Serial No. 611,740.
Colloidal graphited oil. Acheson Oildag Company. 290,222, renewed Dec. 22, 1951. O. G. Nov. 20.
Colloidal graphited water. Acheson Oildag Company. 290,221, renewed Dec. 22, 1951. O. G. Nov. 20.
Combustible fluid. Calar Chemical Company. 551,157, Nov. 20; Serial No. 600,208.
Compounds used in softening textile fabrics. E. F. Houghton & Co. 288,412, Oct. 27, 1931. Republished Nov. 20.
Fatty acids, Liquid and solid. Emery Industries, Inc. 550,944, Nov. 20; Serial No. 566,822, published July 17, 1951.
Germicide, fungicide, and disinfectant preparations, etc. Mark Laboratories, Inc. 550,978, Nov. 20; Serial No. 579,937, published July 17, 1951.
Lecithin. American Lecithin Corporation. 283,782, renewed June 9, 1951. O. G. Nov. 20.
Mixtures or compounds consisting of or containing glycerine and colloidal graphite. Acheson Oildag Company. 290,021, renewed Dec. 22, 1951. O. G. Nov. 20.
Paraffin solvents. P. A. Fox. 551,158, Nov. 20; Serial No. 600,582.
Polymer oil, Fluorinated. The M. W. Kellogg Company. 550,976, Nov. 20; Serial No. 579,541, published July 17, 1951.

CLASS 9

Ammunition, ammunition components, and projectiles. Imperial Chemical Industries, Limited. 551,010, Nov. 20; Serial No. 590,083, published Aug. 21, 1951.
Firecrackers. N. L. Allen. 551,015, Nov. 20; Serial No. 592,535, published Aug. 21, 1951.

CLASS 11

Ink, Marking. Binney & Smith Company. 290,362, renewed Jan. 5, 1952. O. G. Nov. 20.

CLASS 12

Cementitious compound, Dry comminuted. C. L. Olson. 551,074, Nov. 20; Serial No. 599,717, published July 24, 1951.
Doors, Metallic, metallic interior and exterior building trim, etc. Dahlstrom Metallic Door Company. 551,001, Nov. 20; Serial No. 586,400, published July 24, 1951.
Fences. Kraft Paper Products Limited. 551,033, Nov. 20; Serial No. 594,850, published July 24, 1951.
Fire-brick and special-shaped fire-brick. Chicago Retort & Fire Brick Co. 84,816, re-renewed Jan. 9, 1952. O. G. Nov. 20.
Outside coverings made of flexible felt and impregnated with asphaltum. The Logan-Long Company. 285,750, renewed Aug. 4, 1951. O. G. Nov. 20.

Panel, Insulated siding. Bird & Son, Inc. 550,975, Nov. 20; Serial No. 578,863, published July 24, 1951.
Paving material, Composition, and pavements. E. M. Chadbourne Company. 82,962, re-renewed Aug. 8, 1951. O. G. Nov. 20.
Roofing caps, Aluminum. Burnham Corporation. 551,055, Nov. 20; Serial No. 596,977, published July 24, 1951.
Steel tile for application to walls and ceilings. D. Dushoff. 550,967, Nov. 20; Serial No. 576,858, published July 24, 1951.

CLASS 13

Automatic releasing devices. "Automatic" Sprinkler Corporation Of America. 551,164, Nov. 20; Serial No. 607,205.
Bathtubs. The Murray Corporation of America. 551,024, Nov. 20; Serial No. 593,810, published Aug. 28, 1951.
Bolts, broom and tool holding brackets, chain door fasteners, etc. Grey Iron Casting Company. 550,977, Nov. 20; Serial No. 579,817, published Aug. 28, 1951.
Clamps for attaching sweep cloths to brooms, brushes, and the like. Walter G. Legge Company, Inc. 551,072, Nov. 20; Serial No. 599,441, published Aug. 28, 1951.
Coupling nuts. Remco, Inc. 550,994, Nov. 20; Serial No. 584,416, published Sept. 4, 1951.
Fasteners and supports. F. J. Schwartz. 550,964, Nov. 20; Serial No. 574,250, published Sept. 4, 1951.
Gates, Farm, ranch, and stockyard. Spectro Manufacturing and Sales, Inc. 551,125, Nov. 20; Serial No. 609,214, published Aug. 28, 1951.
Gridirons or meat broiling racks. Mid-Western Industries, Inc. 551,088, Nov. 20; Serial No. 601,878, published Aug. 28, 1951.
Hydraulic dishwashing apparatus. Dish Master Corporation. 551,034, Nov. 20; Serial No. 594,895, published Aug. 28, 1951.
Metal stays for paper boxes. National Metal Edge Box Company. 551,058, Nov. 20; Serial No. 598,030, published Aug. 28, 1951.
Mounting strips. The Hopp Press, Inc. 551,011, Nov. 20; Serial No. 590,366, published Sept. 4, 1951.
Nozzles. Scully Signal Company. 551,122, Nov. 20; Serial No. 608,477, published Aug. 28, 1951.
Rivets. Rail Air Equipment Company. 551,133, Nov. 20; Serial No. 610,461, published Sept. 4, 1951.
Screen cloth, Wire, lawn sprinklers, radiator air valves, etc. Masback Incorporated. 550,939, Nov. 20; Serial No. 561,842, published Sept. 4, 1951.
Seat caps, Ball cock, ball cock screws, ball cock thumb screws, etc. J. A. Sexauer Mfg. Co., Inc. 551,132, Nov. 20; Serial No. 610,149, published Sept. 4, 1951.
Slide fasteners. Rollex Fastener Co., Inc. 551,131, Nov. 20; Serial No. 610,145, published Sept. 4, 1951.
Slide fasteners, Separable, and slides for separable slide fasteners. P. Hossmann. 551,097, Nov. 20; Serial No. 603,846, published Aug. 28, 1951.
Sprinkler units, Deluge, piping, valves, etc. "Automatic" Sprinkler Corporation of America. 551,124, Nov. 20; Serial No. 608,852, published Sept. 4, 1951.
Staples. Markwell Manufacturing Company, Inc. 551,062, Nov. 20; Serial No. 598,662, published Sept. 4, 1951.
Steel wire cloth, High carbon. Buffalo Wire Works Co. 551,053, Nov. 20; Serial No. 596,774, published Aug. 28, 1951.
Toilet seats. Temple Lumber Company. 551,084, Nov. 20; Serial No. 600,997, published Aug. 28, 1951.
Valves and parts thereof. Manning, Maxwell & Moore, Incorporated. 550,938, Nov. 20; Serial No. 560,489, published Aug. 28, 1951.
Valves, Automatic reseating relief. A. W. Cash Valve Manufacturing Corporation. 551,128, Nov. 20; Serial No. 609,434, published Sept. 4, 1951.
Valves, Manually operated. Ottawa Steel Products, Inc. 551,121, Nov. 20; Serial No. 608,470, published Aug. 28, 1951.
Valves, Pressure control, volume control valves, directional control valves, etc. Vickers Incorporated. 551,076, Nov. 20; Serial No. 599,913, published Aug. 28, 1951.
Wire fences, Garden and lawn. Erekta Fence Corporation. 551,040, Nov. 20; Serial No. 595,658, published Aug. 28, 1951.

CLASS 14

Lead, Pig, and lead alloys. Metals Refining Company. 323,616, Apr. 23, 1935. New certificate. O. G. Nov. 20.

CLASS 15

Chemical additive for fuel oils. Norman Chemical Company. 551,094, Nov. 20; Serial No. 603,593, published July 17, 1951.
Liquid solvent for the treatment of fuel oils. Whale Oil Company Incorporated. 551,144, Nov. 20; Serial No. 568,415.
Lubricating oil. Continental Oil Company. 289,233, renewed Nov. 24, 1951. O. G. Nov. 20.
Oil. Sun Oil Company. 287,738, renewed Oct. 6, 1951. O. G. Nov. 20.
Oil and grease. Cherry-Burrell Corporation. 550,918, Nov. 20; Serial No. 479,223, published July 31, 1951.

CLASS 16

Material made from petroleum and similar to turpentine. Sun Oil Company. 83,525, re-renewed Sept. 19, 1951. O. G. Nov. 20.
Paint enamel. Hockaday, Inc. 550,919, Nov. 20; Serial No. 515,561, published Aug. 28, 1951.
Paint, Oil cover, floor sealing compound, etc. G. H. Tennant Company. 550,931, Nov. 20; Serial No. 557,091, published Aug. 7, 1951.
Paint, Ready mixed. The Watson-Standard Co. 317,383, Sept. 25, 1934. Republished Nov. 20.
Paints, Oil. S. A. Salubra. 289,067–8, renewed Nov. 17, 1951. O. G. Nov. 20.
Varnishes and liquid paint enamels. Elliott Paint & Varnish Company. 550,998, Nov. 20; Serial No. 584,978, published May 8, 1951.
Wall finish, One-coat. Phelan-Faust Paint Mfg. Co. 550,921, Nov. 20; Serial No. 533,360, published Aug. 28, 1951.

CLASS 18

Anaesthetic. Pharmazeutische Industrie A. G. 289,081, renewed Nov. 17, 1951. O. G. Nov. 20.
Antihistamine compound. Ives-Cameron Company, Inc. 551,032, Nov. 20; Serial No. 594,840, published Dec. 16, 1950.
Antiseptic and disinfectant. H. H. Fries. 289,719, renewed Dec. 1, 1951. O. G. Nov. 20.
Choline dihydrogen citrate. Flint, Eaton and Company. 551,056, Nov. 20; Serial No. 597,261, published July 17, 1951.
Dietary food supplement. B. Sorem. 551,112, Nov. 20; Serial No. 607,146, published July 17, 1951.
Enzyme preparation. American Cyanamid Company. 551,078, Nov. 20; Serial No. 600,314, published July 17, 1951.
Enzyme preparation. American Cyanamid Company. 551,079, Nov. 20; Serial No. 600,316, published July 17, 1951.
Kaolin in alumina gel with pectin, for medicinal purposes. Wyeth Incorporated. 551,114, Nov. 20; Serial No. 607,612, published July 17, 1951.
Kidney diuretic. G. H. Hyland. 290,028, renewed Dec. 22, 1951. O. G. Nov. 20.
Medicinal preparation. Otis E. Glidden & Co., Inc. 551,101, Nov. 20; Serial No. 604,777, published July 17, 1951.
Medicinal preparations. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 286,337, renewed Aug. 25, 1951. O. G. Nov. 20.
Medicinal preparations. The Mara Laboratories, Inc. 550,951, Nov. 20; Serial No. 570,109, published July 24, 1951.
Mentholated-creosoted preparation. Owen Drug Co. 550,990, Nov. 20; Serial No. 583,283, published July 17, 1951.
Multivitamin product. Colin Pharmacal Co., Inc. 551,118, Nov. 20; Serial No. 608,148, published July 31, 1951.
Personal deodorants. Vitaminerals, Inc. 551,103, Nov. 20; Serial No. 604,998, published July 17, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 551,045, Nov. 20; Serial No. 596,599, published July 17, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 551,046–7, Nov. 20; Serial No. 596,602–03, published July 17, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 551,048–50, Nov. 20; Serial Nos. 596,605–07, published July 17, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 551,051, Nov. 20; Serial No. 596,610, published July 17, 1951.
Pharmaceutical preparation. Nutrition Research Laboratories, Inc. 551,109, Nov. 20; Serial No. 606,082, published July 17, 1951.
Preparation for the symptomatic treatment of menopause. George A. Breon & Company. 551,110, Nov. 20; Serial No. 606,260, published July 17, 1951.
Remedy for tonsilitis, acute and chronic sore throat, coughs, colds, etc. H. H. Ink. 84,746, re-renewed Jan. 2, 1952. O. G. Nov. 20.
Sedative and nervous insomnia drug. K & W Pharmaceuticals, Inc. 550,996, Nov. 20; Serial No. 584,909, published July 17, 1951.
Tablets for symptomatic relief of colds and hay fever. The Dr. J. H. McLean Medicine Co. 551,031, Nov. 20; Serial No. 594,650, published Dec. 26, 1950.
Uterine sedative. Mifflin Chemical Corporation. 290,847, renewed Jan. 19, 1952. O. G. Nov. 20.

CLASS 19

Airplanes, and parts thereof. Northrop Aircraft, Inc. 551,113, Nov. 20; Serial No. 607,445, published July 31, 1951.
Automobile seat covers. B. T. Crump Company, Inc. 551,100, Nov. 20; Serial No. 604,720, published July 31, 1951.
Automobile seat covers. Jobber's Manufacturing & Distributing Company. 551,115, Nov. 20; Serial No. 607,632, published July 31, 1951.
Automobiles. D. C. Peck. 551,020, Nov. 20; Serial No. 592,932, published July 24, 1951.

Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc. 550,926, Nov. 20; Serial No. 544,086, published July 24, 1951.
Bicycles. Monark Silver King, Inc. 550,969, Nov. 20; Serial No. 577,220, published July 24, 1951.
Boats, Pleasure. O. Kellogg-Smith. 551,059, Nov. 20; Serial No. 598,100, published July 24, 1951.
Carts, Laundry. Garner & Co. 551,117, Nov. 20; Serial No. 607,705, published July 31, 1951.
Luggage-carriers for the tops of automobiles. S. E. Carter. 551,147, Nov. 20; Serial No. 573,706.
Mirrors and thermometers, Combined rear view. F. N. Mariani. 550,959, Nov. 20; Serial No. 573,220, published July 31, 1951.
Omnibuses, railway carriages and freight and express rail cars. Nydqvist & Holm Aktiebolag. 551,071, Nov. 20; Serial No. 599,387, published July 31, 1951.
Pads for automobile accelerators, brake, clutch and starter pedals. Anchor Rubber Products, Inc. 550,968, Nov. 20; Serial No. 577,033, published July 24, 1951.
Tow bars. Pilot Distributing Company. 550,936, Nov. 20; Serial No. 559,942, published July 24, 1951.
Trailers, Heavy duty hauling and dumping. R. G. Le Tourneau, Inc. 550,985, Nov. 20; Serial No. 575,008, published July 24, 1951.
Trailers, Retractable wheel. P. Ramsey. 550,970, Nov. 20; Serial No. 577,733, published July 24, 1951.
Truck bodies. Gar Wood Industries, Inc. 551,086, Nov. 20; Serial No. 601,669, published July 24, 1951.
Trucks and trailers, Automotive. Scammell Lorries Limited. 550,972, Nov. 20; Serial No. 578,417, published July 31, 1951.
Vehicle brake parts, Automotive. Chrysler Corporation. 550,992, Nov. 20; Serial No. 583,521, published July 24, 1951.
Windshield wipers. Dunlop Rubber Company Limited. 550,981, Nov. 20; Serial No. 580,291, published July 31, 1951.

CLASS 21

Batteries, Trojan Battery Co. 551,162, Nov. 20; Serial No. 603,905.
Batteries, Dry. French Battery & Carbon Company. 209,059, Feb. 16, 1926. Republished Nov. 20.
Conduit fittings, Electrical. Crouse-Hinds Company. 285,774, renewed Aug. 4, 1951. O. G. Nov. 20.
Connectors, Electrical. Burndy Engineering Company, Inc. 285,719, renewed Aug. 4, 1951. O. G. Nov. 20.
Electrical apparatus and machines. Chicago Pneumatic Tool Company. 287,700, renewed Oct. 6, 1951. O. G. Nov. 20.
Floor finishing machines, Electrical portable. Holt Manufacturing Company. 551,146, Nov. 20; Serial No. 570,206.
Floor surfacing machines, Electrically operated. Holt Manufacturing Company. 551,145, Nov. 20; Serial No. 570,205.
Lighting fixture and parts thereof, Fluorescent. S. Leibow. 551,159, Nov. 20; Serial No. 601,446.
Motors, Electrical. Western Clock Company. 288,318, Oct. 27, 1931. Republished Nov. 20.
Starter drives, distributors, and current regulators. Van Bergen & Greener, Inc. 551,149, Nov. 20; Serial No. 585,967.
Vacuum cleaners, Electric. Mercury Vacuum Stores. 551,148, Nov. 20; Serial No. 584,071.
Wire and cables, Bare and insulated electrical. General Cable Corporation. 551,142, Nov. 20; Serial No. 558,130.

CLASS 22

Basketballs. Cleve Alexander Sporting Goods, Inc. 551,116, Nov. 20; Serial No. 607,656, published July 31, 1951.
Dart guns, darts, arrows, and dart games. C. D. Smith. 551,096, Nov. 20; Serial No. 603,702, published July 24, 1951.
Dolls. The Kendall Company. 551,008, Nov. 20; Serial No. 589,450, published July 31, 1951.
Fishing lures, Artificial. Memory Shoe Corporation. 551,026, Nov. 20; Serial No. 594,133, published July 31, 1951.
Fishing rods and reels and parts thereof. Har-Lee Rod, Inc. 551,043, Nov. 20; Serial No. 596,342, published July 31, 1951.
Fishing tackle. Harrington-Rennells. 551,036, Nov. 20; Serial No. 595,137, published July 24, 1951.
Game score board. Wm. F. Drueke and Sons. 551,017–18, Nov. 20; Serial Nos. 592,762–3, published July 31, 1951.
Peg type abacus. E. C. Stoll. 551,095, Nov. 20; Serial No. 603,606, published July 17, 1951.
Playing cards. R. W. Bumstead. 551,052, Nov. 20; Serial No. 596,650, published July 24, 1951.
Skis and ski poles. A. G. Spalding & Bros. Inc. 550,979, Nov. 20; Serial No. 580,156, published July 31, 1951.
Skis, ski poles, ski bindings, etc. C. A. Lund Company. 551,087, Nov. 20; Serial No. 601,743, published July 17, 1951.
Sleds, Coasting. Pratt Manufacturing Company. 550,940, Nov. 20; Serial No. 562,951, published July 31, 1951.
Tops of the bandalore type. Monfeld Corportion. 551,041, Nov. 20; Serial No. 595,672, published July 17, 1951.
Toy make-up kits. E. L. Ach. 551,025, Nov. 20; Serial No. 593,959, published July 24, 1951.
Toys, Stuffed animal. L. Francis. 551,035, Nov. 20; Serial No. 595,029, published July 31, 1951.

CLASS 23

Drills, Electric rotary. Scranton Electric Construction Co. 81,827, May 9, 1911. Republished Nov. 20.
Load-squeezing mechanisms. Hyster Company. 551,150, Nov. 20; Serial No. 591,780.
Metal-swaging machinery. Andrew C. Campbell, Incorporated. 282,879, renewed May 5, 1951. O. G. Nov. 20.
Mowers, Power driven lawn and weed. Wind-King Electric Manufacturing Company. 551,141, Nov. 20; Serial No. 553,554.
Pumping and compressing apparatus. Pneumatic Tool Company. 285,993, renewed Aug. 11, 1951. O. G. Nov. 20.
Pumps, Reciprocating and centrifugal. Oil Well Supply Company. 551,064, Nov. 20; Serial No. 598,808, published Apr. 17, 1951.
Pumps, Rotary. Hypro Engineering Co. 551,139, Nov. 20; Serial No. 541,422.
Sewing machines. Fratelli Borletti Societá Per Azioni. 551,163, Nov. 20; Serial No. 605,550.
Tools, Garden, hand tools. The Seedman Company, Inc. 551,140, Nov. 20; Serial No. 551,320.
Trowels and weeders, Hand. S. L. Allen & Co., Inc. 289,339, Nov. 24, 1931. Republished Nov. 20.
Tweezers. Schnefel Bros., Inc. 286,717, Sept. 1, 1931. Republished Nov. 20.
Vegetable cutters and slicers, Commercial. Qualheim Inc. 551,143, Nov. 20; Serial No. 554,702.

CLASS 24

Ironing board pad and cover set. Holdfast Tool Co., Inc. 551,134, Nov. 20; Serial No. 611,520, published Aug. 28, 1951.
Pads for ironing boards. Marx & Cohen Company. 551,135, Nov. 20; Serial No. 612,131, published Sept. 4, 1951.
Press pads. Resillo Company. 551,068, Nov. 20; Serial No. 599,118, published Sept. 4, 1951.
Washboards, Laundry, and clothespins. M. M. Dodge and W. Boal. 551,085, Nov. 20; Serial No. 601,315, published Aug. 28, 1951.
Washing machines, Domestic clothes, wringers, centrifugal laundry dryers, etc. Blackstone Corporation. 551,000, Nov. 20; Serial No. 586,392, published Sept. 4, 1951.
Washing machines, Electric laundry. M. J. Nye. 551,002, Nov. 20; Serial No. 586,543, published Aug. 28, 1951.

CLASS 26

Cameras, Coin operated, and coin operated photographic enlarging machines. Auto-Photo Company. 551,137, Nov. 20; Serial No. 521,495.
Centrifuges, ovens, agitators, water-baths, etc. Aktiebolaget Vinkelcentrifug. 550,954, Nov. 20; Serial No. 571,312, published July 24, 1951.
Dark room safe light. Golden 'B' Manufacturing Co. Inc. 550,953, Nov. 20; Serial No. 571,268, published July 24, 1951.
Dial instrument. F. J. Tomsek. 550,942, Nov. 20; Serial No. 565,501, published July 24, 1951.
Drafting machines. V. & E. Manufacturing Co. 551,063, Nov. 20; Serial No. 598,766, published July 24, 1951.
Head covering for measuring the length of and proper cutting of the hair, Adjustable. N. R. Metzler. 551,152, Nov. 20; Serial No. 595,268.
Lenses, Photographic. Eastman Kodak Company. 550,949, Nov. 20; Serial No. 569,615, published Aug. 8, 1950.
Measuring chemical pump. Milton Roy Company. 551,070, Nov. 20; Serial No. 599,193, published July 24, 1951.
Ophthalmic lenses and lens blanks. Modern Optics, Incorporated. 551,166, Nov. 20; Serial No. 610,450.
Oscillator set or apparatus, Special. Kay Electric Company. 550,962, Nov. 20; Serial No. 573,554, published July 24, 1951.
Oscillator set or apparatus, Sweeping. Kay Electric Company. 550,960, Nov. 20; Serial No. 573,552, published July 24, 1951.
Pulse generator set or apparatus. Kay Electric Company. 550,961, Nov. 20; Serial No. 573,553, published July 24, 1951.
Sun glasses. Mikay Optical Company, Inc. 551,073, Nov. 20; Serial No. 599,642, published July 24, 1951.

CLASS 27

Clocks. Western Clock Company. 283,943, June 9, 1931. Republished Nov. 20.
Clocks and watches. The E. Ingraham Company. 288,514, renewed Oct. 27, 1951. O. G. Nov. 20.
Clocks and watches. Western Clock Company. 283,942, June 9, 1931. Republished Nov. 20.
Clocks and watches. Western Clock Company. 283,944–7, June 9, 1931. Republished Nov. 20.
Clocks and watches. Western Clock Manufacturing Company. 83,877, Oct. 17, 1911. Republished Nov. 20.
Clocks, Electric. Jefferson Electric Company. 551,009, Nov. 20; Serial No. 589,579, published July 17, 1951.
Watches and watch movements, Ladies'. American Jewelry Distributors, Inc. 547,746, Sept. 11, 1951. Corrected. O. G. Nov. 20.

CLASS 28

Jewelry. E. F. M. Speidel. 290,422, renewed Jan. 5, 1952. O. G. Nov. 20.
Rings, Wedding, and engagement rings. Medicated Products Co. 551,057, Nov. 20; Serial No. 597,834, published July 17, 1951.

CLASS 31

Cooling towers and parts thereof, Liquid. The Marley Company, Inc. 551,154, Nov. 20; Serial No. 596,229.
Refrigerating machine. Sweden Freezer Manufacturing Company. 551,156, Nov. 20; Serial No. 597,176.

CLASS 34

Reflectors, Lighting. Garden City Planting & Mfg. Co. 394,728, Apr. 28, 1942. Republished Nov. 20.

CLASS 35

Automobile supplies. Sears, Roebuck and Co. 550,934, Nov. 20; Serial No. 558,758, published Aug. 21, 1951.
Belting. K. Bernard. 550,971, Nov. 20; Serial No. 578,394, published Aug. 21, 1951.
Belts, Conveyor, garden hose, etc. Sears, Roebuck and Co. 550,952, Nov. 20; Serial No. 570,654, published Aug. 21, 1951.
Belts, Linen, cotton, and other fabric endless. Endless Belt Corporation. 550,955, Nov. 20; Serial No. 572,619, published Aug. 21, 1951.
Camelback. The Kelly-Springfield Tire Company. 551,104, Nov. 20; Serial No. 605,038, published Aug. 21, 1951.
Conduits, Flexible. Richmond Manufacturing Company. 551,065, Nov. 20; Serial No. 598,866, published Aug. 21, 1951.
Conduits, Flexible fluid. Chicago Pneumatic Tool Company. 286,779, renewed Sept. 1, 1951. O. G. Nov. 20.
Faucet seats, fuller balls, piston packing, etc. J. A. Sexauer Mfg. Co., Inc. 288,175, Oct. 20, 1931. Republished Nov. 20.
Hose-conduits. Manhattan Rubber Mfg. Company. 84,653, re-renewed Dec. 26, 1951. O. G. Nov. 20.
Fluid seals. Victor Manufacturing & Gasket Co. 551,014, Nov. 20; Serial No. 591,813, published Aug. 21, 1951.
Hose for high, low and medium pressure fluid. Aeroquip Corporation. 551,042, Nov. 20; Serial No. 595,751, published Aug. 21, 1951.
Hose, Rubber and fabric. Hewitt-Robins Incorporated. 551,054, Nov. 20; Serial No. 596,846, published Aug. 21, 1951.
Inner tubes. United States Rubber Company. 551,027, Nov. 20; Serial No. 594,154, published Aug. 21, 1951.
Packing, Ring. United States Rubber Company. 551,016, Nov. 20; Serial No. 592,586, published Aug. 21, 1951.
Parts for drilling mud pumps. Mattco, Inc. 551,037, Nov. 20; Serial No. 595,141, published Aug. 21, 1951.
Pump and engine rod packing. The Anchor Packing Company. 550,937, Nov. 20; Serial No. 560,156, published Aug. 21, 1951.
Tires, Automobile. Sears, Roebuck and Co. 550,984, Nov. 20; Serial No. 581,372, published Aug. 21, 1951.
Tires, Pneumatic. The B. F. Goodrich Company. 550,987–8, Nov. 20; Serial Nos. 582,615–16, published Aug. 21, 1951.
Tires, Solid industrial rubber. The Monarch Rubber Company. 551,069, Nov. 20; Serial No. 599,186, published Aug. 21, 1951.
Tires, Tractor. Sears, Roebuck and Co. 551,044, Nov. 20; Serial No. 596,527, published Aug. 21, 1951.
Tube repair units, Pneumatic. Technical Rubber Co. 551,038, Nov. 20; Serial No. 595,291, published Aug. 21, 1951.

CLASS 36

Musical instruments and accessories. Hershman Musical Instrument Co., Inc. 550,963, Nov. 20; Serial No. 574,145, published Sept. 4, 1951.
Phonograph records, Mechanically grooved. P. Billotti. 550,933, Nov. 20; Serial No. 558,100, published Sept. 4, 1951.

CLASS 37

Calendar pads and calendar stands. Columbian Art Works, Inc. 287,549, renewed Sept. 29, 1951. O. G. Nov. 20.
Crayons. Binney & Smith Company. 290,857, renewed Jan. 19, 1952. O. G. Nov. 20.
Papers, Tissue, creped, and absorbent. Scott Paper Company. 289,699, renewed Dec. 1, 1951. O. G. Nov. 20.
Pencils, Lead, and pen holders. American Lead Pencil Company. 288,013, renewed Oct. 20, 1951. O. G. Nov. 20.

CLASS 38

Decalcomania transfers. The Meyercord Co. 288,931, renewed Nov. 10, 1951. O. G. Nov. 20.
Periodical. The Tau Beta Pi Association, Inc. 546,593, Aug. 14, 1951. Corrected. O. G. Nov. 20.
Periodicals. Fleet Reserve Association. 290,861, renewed Jan. 19, 1952. O. G. Nov. 20.
Prints, Contact. Spaulding-Moss Company. 261,351, Sept. 17, 1929. Republished Nov. 20.

CLASS 39

Boots and shoes, Men's and boys' leather and canvas. E. T. Wright & Company, Inc. 287,189, Sept. 15, 1931. Republished Nov. 20.
Boots and shoes, Leather. F. M. Hoyt Shoe Company. 82,086, re-renewed May 30, 1951. O. G. Nov. 20.
Brassières. Artistic Foundations, Inc. 551,066, Nov. 20; Serial No. 598,976, published Aug. 28, 1951.
Clothing, Men's ladies', and children's. Samuel W. Peck, Inc. 551,126, Nov. 20; Serial No. 609,258, published Sept. 4, 1951.
Clothing, Men's ladies', and children's. Samuel W. Peck, Inc. 551,127, Nov. 20; Serial No. 609,377, published Sept. 4, 1951.
Clothing, Teen age girls' outer. Carson Pirie Scott & Company. 550,973, Nov. 20; Serial No. 578,487, published July 24, 1951.
Coats and suits, Ladies', misses', and juniors'. Baitch & Castaldi, Inc. 551,060, Nov. 20; Serial No. 598,146, published May 1, 1951.
Coats, Ladies', misses', children's, etc. Weather-Mates Apparel Co. Inc. 550,935, Nov. 20; Serial No. 559,753, published Oct. 25, 1949.
Corsets, corset waists, brassières, etc. The Formfit Company. 290,813, renewed Jan. 19, 1952. O. G. Nov. 20.
Diapers, Children's. The Owenby Manufacturing Company. 551,111, Nov. 20; Serial No. 606,892, published Aug. 21, 1951.
Dresses, coats, sweaters, etc., Women's and children's. Marshall Field & Company. 342,678, Jan. 26, 1937. Amended. O. G. Nov. 20.
Dresses, coats, underwear, etc., Women's, girls'. A. B. Weinberg. 551,039, Nov. 20; Serial No. 595,576, published Aug. 21, 1951.
Girdles and panty girdles. True Form Corset Company, Inc. 551,120, Nov. 20; Serial No. 608,441, published Aug. 28, 1951.
Gloves and mittens. The Boss Manufacturing Company. 551,012, Nov. 20; Serial No. 590,798, published Aug. 28, 1951.
Gloves and mittens. The Boss Manufacturing Company, Inc. 551,123, Nov. 20; Serial No. 608,489, published Aug. 28, 1951.
Hosiery. Chipman Knitting Mills. 135,633, Oct. 19, 1920. Republished Nov. 20.
Hosiery. Sklaroff Brothers. 289,623, renewed Dec. 1, 1951. O. G. Nov. 20.
Hosiery, Ladies'. Ellay Stores, Inc. 551,028, Nov. 20; Serial No. 594,258, published Jan. 23, 1951.
Hosiery, Ladies'. Gold Star Hosiery Mills, Inc. 551,030, Nov. 20; Serial No. 594,454, published June 5, 1951.
Hosiery, Ladies'. Stylewise Hosiery Sales, Inc. 550,983, Nov. 20; Serial No. 581,039, published Aug. 21, 1951.
Shoes, Jayrich Footwear Co. 550,943, Nov. 20; Serial No. 566,588, published July 10, 1951.
Shoes. Shoe Corporation of America. 550,948, Nov. 20; Serial No. 569,574, published Feb. 14, 1950.
Shoes and slippers, Ladies'. I. Miller & Sons, Inc. 289,242, renewed Nov. 24, 1951. O. G. Nov. 20.
Shoes, caps, capes, etc. Nursecraft, Inc. 290,814, renewed Jan. 19, 1952. O. G. Nov. 20.
Shoes, slippers, and sandals. Radcliffe Shoes, Inc. 550,941, Nov. 20; Serial No. 563,217, published June 5, 1951.
Shoes, Women's. Schwartz & Benjamin, Inc. 550,920, Nov. 20; Serial No. 531,852, published June 5, 1951.
Shoes, Women's. Tower Grove Shoe Co. 550,985, Nov. 20; Serial No. 582,506, published Aug. 21, 1951.
Suits, coats, vests, etc., Men's and boys'. Louis Goldsmith, Inc. 550,923, Nov. 20; Serial No. 542,916, published July 24, 1951.

CLASS 40

Shields, Dress. I. B. Kleinert Rubber Company. 286,956, renewed Sept. 8, 1951. O. G. Nov. 20.

CLASS 42

Bedspreads. Normandie Bedspread Co. 551,129, Nov. 20; Serial No. 609,563, published Aug. 21, 1951.
Blankets and bedspreads, and textile rugs. Sawyer, Regan Company. 550,957, Nov. 20; Serial No. 573,005, published Aug. 21, 1951.
Curtains, Shower, and window drapes. I. B. Kleinert Rubber Company. 288,359, renewed Oct. 27, 1951. O. G. Nov. 20.
Fabrics. The Duplan Corporation. 551,075, Nov. 20; Serial No. 599,864, published Aug. 14, 1951.
Fabrics. David Rothschild Company. 551,077, Nov. 20; Serial No. 600,082, published June 19, 1951.
Fabrics in the piece. Crompton Company. 550,924, Nov. 20; Serial No. 543,105, published Sept. 14, 1948.
Fabrics in the piece, Textile. Bachmann Uxbridge Worsted Corporation. 551,130, Nov. 20; Serial No. 609,841, published Aug. 21, 1951.
Fabrics, Textile. A. L. Helwith. 551,021, Nov. 20; Serial No. 593,175, published Aug. 21, 1951.
Fabrics, Textile. Wendell Plastic Fabrics Corp. 550,980, Nov. 20; Serial No. 580,219, published Aug. 21, 1951.
Piece goods. Goodall-Sanford, Inc. 550,993, Nov. 20; Serial No. 583,688, published Aug. 21, 1951.

Piece goods. William Hollins & Company Limited. 551,082, Nov. 20; Serial No. 600,485, published Aug. 14, 1951.
Piece goods, Cotton, and linen piece goods. Trippe, Barker & Company. 550,989, Nov. 20; Serial No. 582,667, published Aug. 21, 1951.
Piece goods, Worsted, woolen, and part-woolen. M. T. Stevens & Sons Company. 84,763—4, re-renewed Jan. 3, 1952. O. G. Nov. 20.
Piece goods, Woven broad silk. M. C. Migel & Co. 84,656, re-renewed Dec. 26, 1951. O. G. Nov. 20.
Plastic film. Plastafilm Corporation. 551,023, Nov. 20; Serial No. 593,369, published Aug. 21, 1951.
Rugs and carpets, Textile. Hugh Nelson-Columbia Carpet Mills, Inc. 290,271, renewed Dec. 29, 1951. O. G. Nov. 20.
Rugs and carpets, Textile. Nye-Wait Company, Inc. 551,099, Nov. 20; Serial No. 604,315, published Aug. 21, 1951.
Table covers, Card. Kerk Guild, Inc. 551,019, Nov. 20; Serial No. 592,911, published Aug. 21, 1951.
Textile wall coverings. Salubra S. A. 288,039—40, renewed Oct. 20, 1951. O. G. Nov. 20.

CLASS 43

Yarns. Adamson Bros. Company. 286,680, renewed Sept. 1, 1951. O. G. Nov. 20.

CLASS 44

Atomizers. Mann Chemical Laboratories, Inc. 551,107, Nov. 20; Serial No. 605,520, published July 17, 1951.
Dental appliances. Buffalo Dental Manufacturing Company. 285,765, renewed Aug. 4, 1951. O. G. Nov. 20.
Dental filling material, Permanent. Pfingst and Company, Incorporated. 550,982, Nov. 20; Serial No. 580,424, published July 31, 1951.
Dentures, dental plates and bridges. R. M. Miller. 550,966, Nov. 20; Serial No. 576,007, published July 17, 1951.
Disposable parenteral administration sets, etc. Hospital Liquids, Inc. 551,083, Nov. 20; Serial No. 600,833, published July 3, 1951.
Embalming machine. Egyptian Chemical Company. 550,928, Nov. 20; Serial No. 545,830, published July 17, 1951.
Nursing bottle supports. The Baby Feedalder Company. 551,108, Nov. 20; Serial No. 605,625, published July 17, 1951.
Surgical skin sutures. Davis & Geck, Inc. 287,081, renewed Sept. 15, 1951. O. G. Nov. 20.
Vaginal diaphragms. Holland-Rantos Co., Inc. 290,475, renewed Jan. 3, 1952. O. G. Nov. 20.
Vaginal speculums. L. T. Sawyer. 551,105, Nov. 20; Serial No. 605,176, published July 17, 1951.
Venous pressure measuring apparatus and parts thereof. W. A. Baum Co., Inc. 550,997, Nov. 20; Serial No. 584,960, published July 31, 1951.
X-ray apparatus. F. Mattern Mfg. Co. 551,138, Nov. 20; Serial No. 533,187.

CLASS 45

Soft drinks, Maltless, and concentrates. J. T. Crow. 444,603, Nov. 20; Serial No. 522,137, published Sept. 19, 1950.

CLASS 46

Apples, Fresh. New York Coal Sales Company. 550,956, Nov. 20; Serial No. 572,863, published July 10, 1951.
Article of food. F. B. Chamberlain Company. 79,648, Sept. 27, 1910. Republished Nov. 20.
Baking-powder, bleach water, and salt. E. C. Hall Company. 289,656, renewed Dec. 1, 1951. O. G. Nov. 20.
Bread. Capital City Baking Co. 287,990, renewed Oct. 20, 1951. O. G. Nov. 20.
Candies, Chocolate. W. F. Schrafft & Sons Corporation. 83,360, re-renewed Sept. 5, 1951. O. G. Nov. 20.
Candy. Frank G. Shattuck Company. 287,446, renewed Sept. 29, 1951. O. G. Nov. 20.
Candy, Hard. Korday Candies, Inc. 551,160, Nov. 20; Serial No. 602,358.
Canned clams, canned clam nectar, etc. F. A. Bugge. 288,135, renewed Oct. 20, 1951. O. G. Nov. 20.
Canned fish. Southern California Fish Company. 85,017, re-renewed Jan. 16, 1952. O. G. Nov. 20.
Canned horse meat. Perk Dog Food Co. 551,161, Nov. 20; Serial No. 603,458.
Canned tomatoes, tomato sauce, canned peas, etc. A. Merlino & Sons. 240,430, Mar. 27, 1928. Restricted. O. G. Nov. 20.
Chocolate compound. Hershey Chocolate Corporation. 551,165, Nov. 20; Serial No. 610,068.
Coffee, olive oil, cocoa, etc. J. R. Silva. 285,340, renewed July 28, 1951. O. G. Nov. 20.
Feed for livestock. The Herrman-McLean Company. 551,013, Nov. 20; Serial No. 590,980, published July 10, 1951.
Feed, Poultry. Universal Mills. 219,573, Oct. 19, 1926. Republished Nov. 20.
Flour. Sperry Flour Company. 345,511, Apr. 27, 1937. Restricted. O. G. Nov. 20.
Flour, Pastry. J. M. Vogtmann. 551,102, Nov. 20; Serial No. 604,875, published July 10, 1951.
Flour, Rye. General Mills, Inc. 550,922, Nov. 20; Serial No. 538,743, published July 10, 1951.
Fruits and vegetables, Fresh. L. T. Malone. 551,006, Nov. 20; Serial No. 588,698, published Aug. 28, 1951.
Grapefruit and tangerines, Fresh. Coachella Valley Citrus Association. 288,752, renewed Nov. 3, 1951. O. G. Nov. 20.
Ice cream stabilizers. The Borden Company. 551,093, Nov. 20; Serial No. 603,108, published July 10, 1951.
Marmalade, Blueberry and lemon, cherry and orange marmalade, etc. Cresca Company, Incorporated. 397,048, Aug. 18, 1942. Amended. O. G. Nov. 20.
Popcorn, Unpopped. Ramsey Popcorn Co. 550,995, Nov. 20; Serial No. 584,871, published July 10, 1951.
Prepared mixture. Pillsbury Mills, Inc. 551,151, Nov. 20; Serial No. 593,081.
Product in dry, powdered form, consisting of a mechanical mixture of powdered egg yolk and powdered modified milk proteins for use in the preparation of foods. The Borden Company. 550,930, Nov. 20; Serial No 555,144, published July 10, 1951.
Products for use in vanilla flavors, etc., Synthetic organic. Florasynth Laboratories, Inc. 286,411, renewed Aug. 25, 1951. O. G. Nov. 20.
Teas. Brooke, Bond & Company, Limited. 83,984, re-renewed Oct. 31, 1951. O. G. Nov. 20.
Tomato extract. Societa Generale Delle Conserve Alimentari Cirio. 84,049, re-renewed Oct. 31, 1951. O. G. Nov. 20.
Vegetables, Frozen fresh. California Consumers Corporation. 550,927, Nov. 20; Serial No. 545,437, published July 10, 1951.

CLASS 49

Whiskey. J. Simon & Sons, Inc. 317,749, Oct. 2, 1934. Republished Nov. 20.

CLASS 51

Cosmetic creams, powder base, face powder, etc. C. O. Huien. 551,005, Nov. 20; Serial No. 587,871, published Aug. 7, 1951.
Cosmetic preparations. J. Schaeffer. 551,092, Nov. 20; Serial No. 603,083, published July 17, 1951.
Cosmetics. Haugron Cientifical, S. A. 551,090, Nov. 20; Serial No. 602,318, published July 17, 1951.
Dental plate cleaning composition. Jeradent Inc. 551,098, Nov. 20; Serial No. 603,884, published July 17, 1951.
Deodorant body powder. Courtley, Ltd. 551,067, Nov. 20; Serial No. 599,084, published July 24, 1951.
Eyebrow pencils, eye shadow, cream rouge, etc. Vest Peter Sales Corporation. 551,091, Nov. 20; Serial No. 602,587, published July 17, 1951.
Hair coloring composition, Artificial. Belle Craft. 551,007, Nov. 20; Serial No. 589,002, published June 12, 1951.
Hair dressing, Liquid, and softening lotion. The House of Stuart, Incorporated. 551,106, Nov. 20; Serial No. 605,259, published June 19, 1951.
Lemon cream, cold cream and vanishing cream, solid and liquid cleansing and facial creams, etc. Harper Method. 550,950, Nov. 20; Serial No. 570,050, published July 17, 1951.
Lipstick and lip salve. Consolidated Cosmetics. 550,974, Nov. 20; Serial No. 578,571, published July 17, 1951.
Lipstick, rouge, liquid foundation, etc. House of Westmore, Inc. 551,061, Nov. 20; Serial No. 598,652, published July 17, 1951.
Lotion for prevention of sunburn. Western Pharmacal Company. 551,089, Nov. 20; Serial No. 602,075, published July 17, 1951.
Perfume. Parfums Corday, Inc. 551,022, Nov. 20; Serial No. 593,365, published July 17, 1951.
Preparations for use in the treatment of the hair, etc. The Nestle-LeMur Company. 550,958, Nov. 20; Serial No. 573,194, published July 17, 1951.
Rubbing oil. Q-Tips Inc. 550,946, Nov. 20; Serial No. 567,712, published Aug. 7, 1951.
Shaving cream. The AFO Company. 551,119, Nov. 20; Serial No. 608,193, published July 17, 1951.
Toilet waters and perfumes. Perfumaria Flamour S. A. 550,947, Nov. 20; Serial No. 568,444, published Aug. 7, 1951.

CLASS 52

Cleanser, Copper and stainless steel. Caller Co., Inc. 551,081, Nov. 20; Serial No. 600,369, published July 31, 1951.
Shampoo. Hal Collins Company. 551,080, Nov. 20; Serial No. 600,327, published Aug. 7, 1951.
Shampoo preparation. E. L. Smith. 551,155, Nov. 20; Serial No. 597,171.
Synthetic and natural aromatic chemicals and essential oils. Firmenich & Co. 551,029, Nov. 20; Serial No. 594,442, published July 17, 1951.
Washing compound, Laundry. Wyandotte Chemicals Corporation. 551,004, Nov. 20; Serial No. 587,412, published Aug. 14, 1951.

CLASS 102

Brokerage and agency services. W. N. Armstrong. 551,136, Nov. 20; Serial No. 556,529, published June 12, 1951.

CLASS 103

Repair service on automobile parts. G. Hoffman. 551,168, Nov. 20; Serial No. 604,784.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

General Electric Company, assignee: *See*—
Warrington, Albert R. V.
Warrington, Albert R. V., Staffordshire, England, assignor to General Electric Company. Electronic relay arrangement for protecting power systems. Re. 23,430, Nov. 20.

LIST OF DESIGN PATENTEES

Alexander, Joseph, New York, N. Y. Flocked fabric. 165,206, Nov. 20.
Alexander, Joseph, New York, N. Y. Flocked fabric. 165,207, Nov. 20.
Alexander, Joseph, New York, N. Y. Flocked fabric. 165,208, Nov. 20.
Allen, Robert Y., Pacific Palisades, M. Shaw, Beverly Hills, and E. K. Shaw, Los Angeles, assignors to Metlox Manufacturing Company, Manhattan Beach, Calif. Plate or similar article. 165,209, Nov. 20.
American Safety Razor Corporation, assignee: *See*—
Treiss, Herman G.
Anderson, Herbert E., Jr., assignor to The Coolerator Company, Duluth, Minn. Grille for air conditioning cabinet. 165,210, Nov. 20.
Arnone, Fannie R., Kansas City, Mo. Cooking utensil handle cover. 165,211, Nov. 20.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Jewelry component or similar article. 165,212, Nov. 20.
Aydlett, Guy D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic processing apparatus. 165,213, Nov. 20.
Baker, Charles H., Providence, R. I. Boot. 165,214, Nov. 20.
Baker, Charles H., Providence, R. I. Boot. 165,215, Nov. 20.
Bausch & Lomb Optical Company, assignee: *See*—
Kieffer, Joseph D., III, and Strom.
Blakeslee, Edward L., Oak Park, assignor to G. S. Blakeslee & Co., Chicago, Ill. Dish holding rack. 165,216, Nov. 20.
Blakeslee, G. S., & Co., assignee: *See*—
Blakeslee, Edward L.
Braley, James H., Sacramento, Calif. Combined pneumatic tire casing trimmer and balancing machine or similar article. 165,217, Nov. 20.
Carls-Art Inc., assignee: *See*—
Miller, Rudy.
Chuc-Wagun System Incorporated, assignee: *See*—
Coleman, Melvin E.
Coleman, Melvin E., assignor to Chuc-Wagun System Incorporated, Waco, Tex. Restaurant building. 165,218, Nov. 20.
Coolerator Company, The, assignee: *See*—
Anderson, Herbert E., Jr.
Degner, Charles F., Boonville, Mo. Combined card box and folding canasta tray or similar article. 165,219, Nov. 20.
Deschamps, Elie P. E., Oyonnax, France. Fertility slide rule. 165,220, Nov. 20.
Dixon, Charles S., Oakland, Calif. Lifting tongs. 165,221, Nov. 20.
Eastman Kodak Company, assignee: *See*—
Aydlett, Guy D.
Edwards, Niles J. G.: *See*—
Sherrod, Tom W., and Edwards.
Eickemeyer, Ludwig, Union, N. J. Clockcase. 165,222, Nov. 20.
Eickemeyer, Ludwig, Union, N. J. Clockcase. 165,223, Nov. 20.
Eitelberg, Henry A., Brooklyn, N. Y. Electric oil sterilizer. 165,224, Nov. 20.
Flex-O-Glass, Inc., assignee: *See*—
Warp, John R.
Goodman, Harry, Britton, Okla. Electric motor housing. 165,225, Nov. 20.
Grand Rapids Store Equipment Company, assignee: *See*—
Porter, Wayne R.
Gray, John M., Palos Verdes, and E. G. Revness, Los Angeles, Calif. Floor lamp. 165,226, Nov. 20.
Guenin, André L., assignor to La Nationale S. A., Geneva, Switzerland. Pyrophoric lighter. 165,227, Nov. 20.
Hardy, William H., River Edge, N. J. Handbag. 165,228, Nov. 20.
Katz, Joseph M., Pittsburgh, Pa., assignor to The Papercraft Corporation. Ribbon dispenser. 165,229, Nov. 20.
Kertell, Frank W., Oakland, Calif. Toy airplane. 165,230, Nov. 20.
Kieffer, Joseph D., III, Rochester, and W. M. Strom, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Telescope. 165,231, Nov. 20.
La Nationale S. A., assignee: *See*—
Guenin, André L.
Lasko, George A., Toledo, Ohio. Indicator dial or similar article. 165,232, Nov. 20.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,233, Nov. 20.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,234, Nov. 20.
Menzies Hosiery Mills, Inc., assignee: *See*—
Vanhorn, Fred J. and R. L.
Metlox Manufacturing Company, assignee: *See*—
Allen, Robert Y., Shaw, and Shaw.
Miller, Rudy, assignor to Carls-Art Inc., Brooklyn, N. Y. Infant's bottle guard or similar article. 165,235, Nov. 20
Norton, Edith, Los Angeles, Calif. Lamp base. 165,236, Nov. 20.
Norton, Edith, Los Angeles, Calif. Lamp base. 165,237, Nov. 20.
O'Brien, William C., Baltimore, Md. Telephone support. 165,238, Nov. 20.
Owens-Illinois Glass Company, assignee: *See*—
Soyster, Huntley H.
Papercraft Corporation, The, assignee: *See*—
Katz, Joseph M.
Peck, Stow & Wilcox Company, The, assignee: *See*—
Wheeler, Charles L.
Pichel, Irving, New York, N. Y. Handbag. 165,239, Nov. 20.
Pichel, Irving, New York, N. Y. Handbag. 165,240, Nov. 20.
Porter, Wayne R., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Cabinet. 165,241, Nov. 20.
Porter, Wayne R., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Cabinet. 165,242, Nov. 20.
Porter, Wayne R., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Cabinet. 165,243, Nov. 20.
Rendessy, Albert, Glendale, Calif. Foundation ventilator. 165,244, Nov. 20.
Revness, Ellis G.: *See*—
Gray, John M., and Revness.
Robbins, Otis C., Dallas, Tex. Bedstead or similar article. 165,245, Nov. 20.
Roffy, Joseph T., Huntington Park, Calif. Fan blade. 165,246, Nov. 20.
Shaw, Evan K.: *See*—
Allen, Robert Y., and M. and E. K. Shaw.
Shaw, Melvin: *See*—
Allen, Robert Y., and M. and E. K. Shaw.
Shell, Lester, Hopkins, Mo. Grass divider. 165,247, Nov. 20.
Sherrod, Tom W., and N. J. G. Edwards, Jackson, Miss. Toothbrush. 165,248, Nov. 20.
Soyster, Huntley H., San Francisco, Calif., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Tumbler. 165,249, Nov. 20.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.

Strom, William M.: *See*—
Kieffer, Joseph D., III, and Strom.
Treiss, Herman G., Riverdale, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Combined cigarette lighter and letter opener. 165,250, Nov. 20.
Vanhorn, Fred J., Valdese, and R. L. Vanhorn, Drexel, assignors to Menzies Hosiery Mills, Inc., Hickory, N. C. Man's sock. 165,251, Nov. 20.
Vanhorn, Fred J., Valdese, and R. L. Vanhorn, Drexel, assignors to Menzies Hosiery Mills, Inc., Hickory, N. C. Man's sock. 165,252, Nov. 20.
Vanhorn, Roy L.: *See*—
Vanhorn, Fred J. and R. L.
Ward, Raymond R., North Royalton, Ohio. Golf tee holder or similar article. 165,253, Nov. 20.
Warp, John R., assignor to Flex-O-Glass, Inc., Chicago, Ill. Combined display and dispensing stand. 165,254, Nov. 20.
Wheeler, Charles L., Salt Lake City, Utah, assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Display stand. 165,255, Nov. 20.
Yellin, Bernard, Chicago, Ill. Box. 165,256, Nov. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. Svenska Flakt fabriken, assignee: *See*—
Wallin, Sven W.
APA Prospekt A-G., assignee: *See*—
Rösli, Jacques.
A P Controls Corporation, assignee: *See*—
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.
A/S Grindstedvaerket, assignee: *See*—
Herlow, Anders.
Abbott Laboratories, assignee: *See*—
Spielman, Marvin A.
Abegg & Reinhold Co., assignee: *See*—
Abegg, Walter A.
Abegg, Walter A., assignor, by mesne assignments, to Abegg & Reinhold Co., Los Angeles, Calif. Automatic drill slip unit. 2,575,649, Nov. 20.
Abrams, Victor R., Rockford, Ill., and J. Lorenz, Forest Hills, N. Y., assignors, by mesne assignments, to E. U. Andrews, Greenwich, Conn. Shaving apparatus. 2,575,741, Nov. 20.
Ace Art Company, assignee: *See*—
Miner, William B.
Acton, Russel D., Chicago, Ill. Self-washing centrifuge. 2,575,506, Nov. 20.
Acton, Russel D., Chicago, Ill. Hydraulic power device. 2,575,507, Nov. 20.
Adams, Paul G., East Orange, and M. W. Axman, Stirling, N. J., assignors to Westinghous Electric Corporation, East Pittsburgh, Pa. Electrical contactor. 2,575,699, Nov. 20.
Adlake Company, The, assignee: *See*—
Verhagen, Christian M.
Agee, Charles A. T., Collingswood, N. J. Ash receptacle. 2,575,857, Nov. 20.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Lohmar, Rolland L., Jr.
Air Reduction Company, Incorporated, assignee: *See*—
Sohn, Jesse S.
Tyrner, Joseph M.
Alderman, Robert F., Detroit, Mich. Artificial fish lure. 2,575,609, Nov. 20.
Alexander, Arthur H. and J. H., Victoria, British Columbia, Canada, assignors to Kennametal Inc., Latrobe, Pa. Percussion drill bit body. 2,575,438, Nov. 20.
Alexander, John H.: *See*—
Alexander, Arthur H. and J. H.
Alexander, Russel C., Long Beach, Calif. Parking meter device. 2,575,650, Nov. 20.
Alger, Martin J., Jr., Watertown, N. Y., assignor to The New York Air Brake Company. Circuit failure protection device. 2,575,545, Nov. 20.
Allied Chemical & Dye Corporation, assignee: *See*—
Ogilvie, James, and Genta.
Olsen, John J.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Fergason, Rector C.
Scranton, Charles J., and Elliott.
Allmänna Svenska Elektriska Aktieboiaget, assignee: *See*—
Forwald, Haakon.
Almex, Inc., assignee: *See*—
Sundman, Gunnar E.
Altorfer, Alpheus W., Jr., Peoria, Ill. Dasher mechanism for washing machines. 2,575,988, Nov. 20.
Altwies, Benjamin M., Fostoria, Ohio. Window with sash locking spring. 2,575,575, Nov. 20.
Ambrette, Conrad, Brooklyn, N. Y. Convertible continuous press for producing long or short alimentary paste products. 2,576,061, Nov. 20.
Ambrose, Eugene R., Roselle Park, N. J., and P. Sporn, assignors to American Gas and Electric Company, New York, N. Y. Heat pump system. 2,575,325, Nov. 20.
American Brake Company, The, assignee: *See*—
McGowan, Thomas R.
American Car and Foundry Company, assignee: *See*—
Burnett, William E.
Kuhler, Otto A.
Patton, John W.
American Chain & Cable Company, Inc., assignee: *See*—
Peterson, Vincent C. J.
American Cyanamid Company, assignee: *See*—
Case, Edward N.
Cassaday, Jack T., and Hoegberg.
Klapproth, William J., Jr.
Kropa, Edward L., Craig, and Nyquist.
Mackay, Johnstone S., and Bower.
Mackay, Johnstone S., and Lawler.
Parker, Robert P., and Hofmann.
American Gas and Electric Company, assignee: *See*—
Ambrose, Eugene R., and Sporn.
American Machinery Corporation, assignee: *See*—
Parnell, James L.
American Viscose Corporation, assignee: *See*—
Cornwell, Ralph T. K.
Gollong, Richard J.
Reichel, Frank H., and Harder.
Truitt, Joseph A.
Anderson, Lucian N., Babbitt, Nev. System of freight loading and handling. 2,575,326, Nov. 20.
Anderson, Stanley W., Western Springs, Ill. Wire fastener. 2,575,481, Nov. 20.
Andrews, Eleanor U., assignee: *See*—
Abrams, Victor R., and Lorenz.
Andrews, George H., Washington, D. C., assignor to Seamless Products Co., Inc. Portable drinking fountain. 2,575,936, Nov. 20.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Howes, Donald A., Tait, Docksey, Birch, and Partridge.
Vivian, Arthur C.
Animal Trap Company of America, assignee: *See*—
Graybill, Hershey R.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Ellis, Grenville B.
Rabinow, Jacob.
Artzt, William W., New Rochelle, N. Y. Wearing apparel and making the same. 2,575,700, Nov. 20.
Artzt, William W., New Rochelle, N. Y. Nether undergarment for men. 2,575,701, Nov. 20.
Arundale, Erving, Westfield, and J. P. Thorn, Cranford, N. J., assignors to Standard Oil Development Company. Treatment of petroleum distillates. 2,575,989, Nov. 20.
Ashley, Merwin F., Arlington, and E. W. Fearing, Quincy, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Carpet sewing machine. 2,575,327, Nov. 20.
Aspey, Wayne S.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.
Astatic Corporation, The, assignee: *See*—
Cordes, John E.
Atlantic Refining Company, The, assignee: *See*—
Griesinger, William K.
Augustadt, Herbert W., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic volume control. 2,575,990, Nov. 20.
Automatic Electric Laboratories, Inc., assignee: *See*—
Balzer, Harvey W.
Bartelink, Everhard H. B.
Graybill, Kenneth W., and Sengebusch.
Rudeforth, Stanley.
"Automatic" Sprinkler Corporation of America, assignee: *See*—
Rider, Harry N.
Axman, Max W.: *See*—
Adams, Paul G., and Axman.
Baash-Ross Tool Company, assignee: *See*—
Johnson, Glenn D.
Bacon, Leslie R., Wyandotte, and J. V. Otrhalek, Detroit, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkali metal salt-organic sulfoxy detergent compositions inhibited against deterioration of vitreous- and ceramic-ware surfaces. 2,575,576, Nov. 20.
Bailey Meter Company, assignee: *See*—
Hornfeck, Anthony J.
Baker, Robert M., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vacuum tube oscillator. 2,575,702, Nov. 20.
Balcrank, Inc., assignee: *See*—
Shott, Allen T.
Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Flight conveyer. 2,575,610, Nov. 20.
Balletto, Paul, Douglaston, N. Y. Acid pump. 2,575,508, Nov. 20.
Baltin, William H., New Brunswick, N. J., and R. R. Batcher, Douglaston, N. Y., assignors to Transcontinental Television, Inc., New Brunswick, N. J. Device for copying records on a proportional scale. 2,575,742, Nov. 20.
Baltzly, Richard, New York, and E. Lorz, Yonkers, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Cinnamamidine derivatives. 2,575,991, Nov. 20.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Combination one- and two-digit selector switches. 2,575,780, Nov. 20.

Bandelin, Fred J., assignor to Flint Eaton and Company, Decatur, Ill. Iron choline citrates and preparing the same. 2,575,611, Nov. 20.

Barach, Joseph L., Montclair, N. J., assignor to Alexander Smith, Incorporated. Crimping textile fibers. 2,575,781, Nov. 20.

Bardach, Felix, New York, N. Y. Calculating or computing device. 2,575,328, Nov. 20.

Bartelink, Everhard H. B., Bronxville, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Control terminal for mobile radio telephone. 2,575,782, Nov. 20.

Bartlett, Jeffrey H., Westfield, N. J., assignor to Standard Oil Development Company. Polymeric lubricating oil additives. 2,575,992, Nov. 20.

Batchelder, Charles F. Jr., Milton, and L. Withington, Jr., Brookline, assignors to Wright-Batchelder Corporation, Boston, Mass. Beaded mock welting for McKay type footwear. 2,575,783, Nov. 20.

Batcher, Ralph R.: *See*—
Baltin, William H., and Batcher.

Battelle Development Corporation, assignee: *See*—
Schaffert, Roland M.

Baumann, Martin, Chicago, Ill., assignor to International Paper Company, New York, N. Y. Shipping container. 2,575,784, Nov. 20.

Bayston, John R., Chicago, Ill., assignor, by mesne assignments, to Icecrafter Trust. Ice product and manufacturing. 2,575,509, Nov. 20.

Beaman, Phineas A., and J. R. North, assignors to Morgan Construction Company, Worcester, Mass. Wire handling apparatus. 2,575,785, Nov. 20.

Beauchamp, David N., Venice, Calif., assignor to Wingfoot Corporation, Akron, Ohio. Waterproofed fabric and producing it. 2,575,577, Nov. 20.

Bebry Bedding Corporation, assignee: *See*—
Bebry, Peter P.

Bebry, Peter P., Jamaica, N. Y., assignor to Bebry Bedding Corporation, Bayonne, N. J. Love seat bed. 2,576,062, Nov. 20.

Belinkine, Jules, New York, N. Y. Atomizer. 2,575,786, Nov. 20.

Bell, Ernest P.: *See*—
Tischler, Nathaniel, and Bell.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Augustadt, Herbert W.
Bennett, William R., and Feldman.
Davis, Kingsbury H., and Potter.
Doherty, William H., Morrison, and Younker.
Field, Lester M.
Friis, Harold T., Lewis, and Tillotson.
Laird, Arthur G.
Mathes, Robert C.
Meacham, Larned A.
Mohr, Milton E.
Peterson, Lisa C., and Potter.
Pierce, John R., Sharnon, and Tukey.
Schmied, James W.
Simons, Burton H.
Townsend, Mark A.

Bender, Byron W., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Die cutting block. 2,575,378, Nov. 20.

Bendix Aviation Corporation, assignee: *See*—
Henney, George K.
Mayrath, Thomas L.
Perkins, Corles M., Sr., and Bennett.
Price, Earl R.
Wheeler, Richard H.

Bennett, Alfred: *See*—
Perkins, Corles M., Sr., and Bennett.

Bennett, Charles R., East Cleveland, Ohio. Razor. 2,575,539, Nov. 20.

Bennett, John R., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient mounting. 2,575,858, Nov. 20.

Bennett, William R., and C. B. H. Feldman, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiple carrier transmission system. 2,575,993, Nov. 20.

Benning Walter F., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Control lever mounted on threaded pivot. 2,575,379, Nov. 20.

Bent, Arthur J., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure controlled actuating device. 2,575,937, Nov. 20.

Berardi, Joseph A.: *See*—
Kantzmann, Harry L., and Berardi.

Berg, Clyde H. O.: *See*—
Imhoff, Donald H., and Berg.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,575,520, Nov. 20.

Berger, Samuel I. Newark, N. J. Selector binder. 2,575,482, Nov. 20.

Bergman, Gustav A., Danderyd, Sweden. Housing means for rock drilling machines. 2,575,859, Nov. 20.

Bergom, Karl B., Honefoss, Norway. Steam-generating stove for steam bathrooms. 2,575,860, Nov. 20.

Berndtson, John O.: *See*—
Nabstedt, Arthur T., and Berndtson.

Berta, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Hand power tool. 2,576,063, Nov. 20.

Best, Marcellus, Jr.: *See*—
Helterline, Leo L., Jr., Best, and Bunblasky.

Bethig, Eric A., assignor to Willson Products, Inc., Reading, Pa. Gas mask canister. 2,575,483, Nov. 20.

Bethlehem Foundry and Machine Company, assignee: *See*—
Toner, James E. J.

Biermann, William A.: *See*—
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.

Biggs, Earl R., Portland, Oreg. Returning roll toy. 2,575,743, Nov. 20.

Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 2,575,439, Nov. 20.

Binger, Nickolaus, Pittsburgh, Pa. Plane. 2,575,787, Nov. 20.

Birch, Stanley F.: *See*—
Howes, Donald A., Tait, Docksey, Birch, and Partridge.

Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Electric chopper circuit. 2,575,904, Nov. 20.

Blanke, Nathan E., and H. J. Sands, assignors to The Harvard Manufacturing Company, Cleveland, Ohio. Locking device. 2,575,651, Nov. 20.

Blanton, William B., Rockville Centre, and G. G. Light, Scarsdale, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,575,329, Nov. 20.

Blehm, Herbert E., Dorrance, Kans. Drag harrow hitch. 2,575,405, Nov. 20.

Bloomquist, Egner L., Minneapolis, Minn. Bottle-carrying means. 2,575,612, Nov. 20.

Boarman, Robert W., assignor to Columbia Boiler Co., Pottstown, Pa. Oil burner mounting. 2,575,613, Nov. 20.

Bobrov, Samuel H., Chicago, Ill. Extensible and retractable implement and container therefor. 2,575,788, Nov. 20.

Bocjl Corporation, assignee: *See*—
Lang, Joseph C.

Bogin, Herman H., assignor to Parke, Davis & Company, Detroit, Mich. Process and apparatus for manufacturing capsules. 2,575,789, Nov. 20.

Bone, Herbert L., Forest Hills, and G. V. Jefferson, Edgewood, Pa., assignors to Westinghouse Air Brake Company. Control switch. 2,575,994, Nov. 20.

Boosey, Edward W. N., Detroit, Mich. Waste flow control. 2,575,905, Nov. 20.

Borg-Warner Corporation, assignee: *See*—
Klipela, Ano E.

Borton, George W., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Crusher mill. 2,575,380, Nov. 20.

Borton, George W., Philadelphia, Pa. Support structure for screening cylinders. 2,575,484, Nov. 20.

Bovee, Ransom Y., Van Nuys, Calif. Pocket tweezer article. 2,575,652, Nov. 20.

Bower, John R., Jr.: *See*—
Mackay, Johnstone S., and Bower.

Bowser, Inc., assignee: *See*—
Pressler, Ralph B.

Boyajean, John A., Jr., Upper Montclair, N. J., assignor to Fairchild Camera and Instrument Corporation. Machine for producing screened relief pattern plates. 2,575,546, Nov. 20.

Boykin, John R.: *See*—
Johnson, John L., and Boykin.

Bradley, Robert L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Breast leaf splitting machine. 2,575,406, Nov. 20.

Bradley, Theodore F., Oakland, assignor to Shell Development Company, San Francisco, Calif. Crotonate esters of glyceryl polyethers of dihydric phenols. 2,575,440, Nov. 20.

Bramble, Henry E., San Diego, Calif. Load lifting device. 2,575,485, Nov. 20.

Brandeis, Harold, Chicago, Ill., assignor to Colonial-Premier Company. Lamp fixture having a diffuser bowl with a circular fluorescent lamp surrounding the bowl. 2,575,486, Nov. 20.

Braun, Philip N., Syracuse, N. Y. Tape feeding and severing mechanism for marking machines. 2,575,407, Nov. 20.

Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Projector unit. 2,575,790, Nov. 20.

Bray, Olin B., Lynwood, Calif. Detachable blade and handle for shears. 2,575,861, Nov. 20.

Breckenridge, Ralph C.: *See*—
McCallum, Arachie H., Breckenridge, and Case.

Brenneke, Arthur M., New Castle, assignor to Perfect Circle Corporation, Hagerstown, Ind. Tool for expanding cylinder liners. 2,575,938, Nov. 20.

Bricker, Carl E., assignor to Wingfoot Corporation, Akron, Ohio. Link mounted brake. 2,575,578, Nov. 20.

Briggs Filtration Company, The, assignee: *See*—
Briggs, Southwick W., and Ewbank.

Briggs, Southwick W., Washington, D. C., and W. J. Ewbank; said Ewbank assignor to The Briggs Filtration Company, Bethesda, Md. By-pass filter. 2,575,995, Nov. 20.

Britton, Edgar C., and J. D. Head, assignors to The Dow Chemical Company, Midland, Mich. Production of 3-fluorosalicylaldehyde. 2,576,064, Nov. 20.

Britton, Edgar C., and J. D. Head, assignors to The Dow Chemical Company, Midland, Mich. Preparation of 3-fluorosalicylaldehyde. 2,576,065, Nov. 20.

Brooker, Leslie G. S.: *See*—
Van Lare, Earl, and Brooker.

Brouer, Orville A., Western Springs, assignor to Swift & Company, Chicago, Ill. Refrigerator truck safety device. 2,575,939, Nov. 20.

Brown and Sharpe Manufacturing Company, assignee: *See*—
Mathewson, Maxwell I.

Brown, Charles K., Jr., Fairmount, W. Va. Mixing faucet. 2,575,940, Nov. 20.

Brown-Graves Company, assignee: *See*—
Graves, Harold E., Jr.

Brown, Phoebe M., New York, N. Y. Blouse type garment. 2,575,791, Nov. 20.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Cultivator spring trip. 2,575,510, Nov. 20.

Brunnzell, Fridolf H., Sundsvall, Sweden. Insulating covering. 2,575,941, Nov. 20.

Bruzau, Marie, and C. Meuleau, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Monopotassium phosphate piezoelectric crystals. 2,575,511, Nov. 20.

Bryant, Otis F., Bismarck, N. Dak. Mileage device. 2,575,547, Nov. 20.

Buckeye Steel Castings Company, The, assignee: *See*—
Orr, Claude L.

Bucyrus-Erie Company, assignee: *See*—
Mork, George W.

Buehler, Maynard P., Oakland, Calif. Gun sight. 2,575,653, Nov. 20.

Bullard Company, The, assignee: *See*—
Bullard, Robinson D., Sherwood, and Geist.

Bullard, Robert O., Schenectady, N. Y., assignor to General Electric Company. Adjustable magnetic pressure valve. 2,575,906, Nov. 20.

Bullard, Robinson D., Greens Farms, J. H. Sherwood, and P. M. Geist, Fairfield, Conn., assignors to The Bullard Company. Control mechanism. 2,575,792, Nov. 20.

Bullock, Edward A., Detroit, and H. E. Outland, St. Clair Shores, assignors to Technical Service Incorporated, Detroit, Mich. Moving-picture sound projector. 2,575,579, Nov. 20.

Bunblasky, Adolph: *See*—
Helterline, Leo L., Jr., Best, and Bunblasky.

Bunblasky, Adolph, New Canaan, assignor to Sorensen & Company, Inc., Stamford, Conn. Expanded scale root mean square type voltmeter. 2,575,996, Nov. 20.

Burgemeister, Paul A.: *See*—
Cooper, William B., and Burgemeister.

Burnett, William E., Montclair, N. J., assignor to American Car and Foundry Company, New York, N. Y. Ash receptacle. 2,575,441, Nov. 20.

Burroughs Wellcome & Co. (U. S. A.) Inc.: *See*—
Baltzly, Richard, and Lorz.

Burt, George H., Flossmoor, assignor to The Celotex Corporation, Chicago, Ill. Ironer apparatus. 2,575,744, Nov. 20.

Bush, Alfred, Brooklyn, N. Y. Weatherstrip means. 2,575,793, Nov. 20.

Butler, Leo F.: *See*—
Kilpatrick, William J., and Butler.

Byrne, Joe L.: *See*—
Williamson, Loyal A., Jr., and Byrne.

Cadmus, Edgar F., Portland, Oreg. Packaging. 2,575,580, Nov. 20.

Caesar, Orville S., Barrington, Ill. Chair structure. 2,575,487, Nov. 20.

Caldwell, Archie L., assignor to Eli Lilly and Company, Indianapolis, Ind. Protein purification process and proteinaceous product. 2,576,066, Nov. 20.

Carlson, Axel S., assignor of one-half to S. Person, New York, N. Y. Smoking article. 2,575,488, Nov. 20.

Carlson, Charles W., Chicago, Ill. Forced air heating apparatus. 2,575,907, Nov. 20.

Carlson, Clarence F.: *See*—
Hoag, Wilton F., and Carlson.

Carlson, George C., Chetek, Wis. Portable jack actuated tire removing device. 2,575,330, Nov. 20.

Carlson, Walter O., Jamestown, N. Y., assignor to Spin-Dex, Inc., Chicago, Ill. Rotary file. 2,575,745, Nov. 20.

Carlson, Wilmer J., Valley Stream, N. Y. Economizer for use with oil fired forced draft domestic heating furnaces. 2,575,862, Nov. 20.

Caro Manufacturing Co., assignee: *See*—
Rettinger, Frederick S.

Carruthers, Eben H., Warrenton, Oreg. Packing food products. 2,575,703, Nov. 20.

Carson, Clarence M., Silver Lake, assignor to Wingfoot Corporation, Akron, Ohio. Coated rubber hydrochloride film. 2,575,581, Nov. 20.

Carter, Robert E., Mount Holly Springs, and H. H. Hutchinson, assignors to C. H. Masland & Sons, Carlisle, Pa. Seat cover. 2,575,548, Nov. 20.

Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Sealing-in machine for tubular double-ended lamps. 2,575,746, Nov. 20.

Carver, Richard N., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Cosmetic accessory comprising a rouge cup and a brush. 2,575,99[illegible]ov. 20.

Casco Products Corporation, assignee: *See*—
Berta, Joseph.

Case, Edward N., Philadelphia, Pa., assignor to American Cyanamid Company, New York, N. Y. Salt bath rectifier. 2,575,322, Nov. 20.

Case, J. I., Company, assignee: *See*—
Russell, Stanley D.

Case, Jay B.: *See*—
McCallum, Archie H., Breckenridge, and Case.

Casco Products Corporation, assignee: *See*—
Youhouse, Joseph.

Casler, Roger H., assignor to R. S. Sanford, Oakville, Conn. Bottle carrier. 2,575,654, Nov. 20.

Cassaday, Jack T., and E. I. Hoegberg, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of aminobenzothiazole. 2,575,614, Nov. 20.

Celanese Corporation of America, assignee: *See*—
Duke, Marshall, Hohing, and Shaffer.
Killoran, Joseph L.
Seymour, George W., and Duke.

Celotex Corporation, The, assignee: *See*—
Burt, George H.

Chace, Thomas B., Winnetka, and J. A. Reinhardt, Wheaton, assignors to The Dole Valve Company, Chicago, Ill. Dispenser unit. 2,575,489, Nov. 20.

Chamberlain, Glen, Wichita, Kans. Attaching means for adapter sprockets. 2,575,582, Nov. 20.

Champlain Company, Inc., assignee: *See*—
Haskin, Lawrence H., Jr.

Chandler, Clara L., assignor of one-half to F. Levstek, Cleveland, Ohio. Foldable garment support for ironing boards. 2,576,067, Nov. 20.

Chauncey, Arthur R., Owego, N. Y. Baled hay fork. 2,575,794, Nov. 20.

Chenava, Leonard, McAdoo, Pa. Support for horn mutes. 2,575,795, Nov. 20.

Chester, Harry, Chicago, Ill. Shoe holder and stretcher. 2,575,408, Nov. 20.

Chicago Metal Hose Corporation, assignee: *See*—
Farrar, John F. P.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatically controlled washing apparatus. 2,575,704, Nov. 20.

Clarke, Alick and H. D. Cottrell, Detroit, Mich. Loose-leaf binder. 2,575,583, Nov. 20.

Clayton Mark & Company, assignee: *See*—
Maim, Royal D.

Clerk, Edouard, St. Hilaire, Quebec, Canada. Sash construction. 2,575,655, Nov. 20.

Clifcorn, Le Verne E., Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Aseptic canning. 2,575,863, Nov. 20.

Clifford, John K., Coronado, Calif., assignor of one-half to W. Clifford. Tire inflating device. 2,575,908, Nov. 20.

Clifford, Walter, assignee: *See*—
Clifford, John K.

Clokey, John W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,575,705, Nov. 20.

Coe, Harry D., Jr., and J. B. Dym, Pittsburgh, Pa. Finishing workpieces of irregular shapes. 2,575,656, Nov. 20.

Coffed, Earl J., Depew, N. Y. Latch mechanism for folding table leg assembly. 2,575,942, Nov. 20.

Coffey, Thomas H., assignee: *See*—
Cummins, Harry D.

Cohen, Herman, Brookline, Mass. Apparatus for extracting juices from citrus fruits and the like. 2,575,584, Nov. 20.

Colby, Irving A., Hubbard, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Method of and apparatus for continuous welding of pipes and tubes. 2,575,381, Nov. 20.

Collins, Ralph D., assignee: *See*—
Cook, John B.

Colonial-Premier Company, assignee: *See*—
Brandeis, Harold.

Columbia Boiler Co., assignee: *See*—
Boarman, Robert W.

Columbus Plastic Products, Inc., assignee: *See*—
Roop, Nathan W.

Colvard, Robert E.: *See*—
Withrow, Ralph A., and Colvard.

Colwell, Robert E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Dessication product removal means. 2,575,748, Nov. 20.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Mittendorf, Harvey C.

Commercial Solvents Corporation, assignee: *See*—
Stengel, Leonard A., and Egly.

Compco Corporation, assignee: *See*—
Eastman, Fred L.

Compton, Justin S., Lebanon, and L. D. Kilheffer, assignors to The National Cash Register Company, Dayton, Ohio. Electronic multiplying device. 2,575,331, Nov. 20.

Condo, Fred E.: *See*—
Naps, Marguerite, and Condo.

Condon, Robert S., and A. G. Hatch, Rutland, Vt., assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Friction plug closure. 2,575,490, Nov. 20.

Conklin, Stanley, Cobleskill, N. Y. Refrigerating cabinet for milk samples. 2,575,796, Nov. 20.

Conmar Products Corporation, assignee: *See*—
Prupis, Robert I.
Ulrich, Frederick.

Conner, Ralph E., St. Louis, Mo. Check valve. 2,575,944, Nov. 20.

Conron, Eleanor B.: *See*—
Haley, Bernard S., and Conron.

Consolidated Engineering Corporation, assignee: *See*—
Sink, Robert L.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Ivans, William S., Jr.

Continental Can Company, Inc., assignee: *See*—
Clifcorn, Le Verne E.
Condon, Robert S., and Hatch.

Cook, Earle S., Forest Hills, G. T. McClure, McKeesport, and J. W. Rush, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Load compensating brake equipment. 2,575,943, Nov. 20.

Cook, John B., Chicago, Ill., assignor of one-half to R. D. Collins, Beverly Hills, Calif., and one-half to The Whitney Blake Company, Hamden, Conn. Apparatus for making retractile cords. 2,575,747, Nov. 20.

Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Facsimile control mechanism for effecting curvilinear scanning or recording. 2,575,442, Nov. 20.

Cooper, Dexter P., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Optical element of polymerized methacrylate resin coated with thin film of thermoset resin. 2,575,998, Nov. 20.

Cooper, William B., and P. A. Burgemeister, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Current collector for electroplating apparatus. 2,575,409, Nov. 20.

Cordes, John E., Lakeville, assignor to The Astatic Corporation, Conneaut, Ohio. Piezoelectric phonograph pickup. 2,575,999, Nov. 20.

Cornwell, Ralph T. K., Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Manufacture of moisture-proof sheet material. 2,575,443, Nov. 20.

Corsi, Peter P., North Arlington, N. J. Fish lure. 2,575,797, Nov. 20.

Cottrell, Holland D.: *See*—
Clarke, Alick, and Cottrell.

Cowan, Charles H., Jr., St. Petersburg, Fla. Fulcrum type crown cap remover. 2,576,000, Nov. 20.

Cox, Fred W., Atlanta, Ga., and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Acrylates, polymers, and copolymers. 2,575,585, Nov. 20.

Craig, Louis E.: *See*—
Kropa, Edward L., Craig, and Nyquist.

Crall, James W., Los Angeles, Calif. Sanitary pick-out free-bottom sink strainer. 2,575,586, Nov. 20.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.

Cross, Milburn B., Chino, Calif. Carrier for outboard motors. 2,575,749, Nov. 20.

Croucher, Antony H., Esher, England. Let-down type rigid top. 2,575,864, Nov. 20.

Crowley, Cornelius J.: *See*—
Gow, Arthur R., and Crowley.

Crown Cork & Seal Company, Inc., assignee: *See*—
Cooper, William B., and Burgemeister.

Crump, Woodford J., assignor to Truk-Step Company, Inc., Los Angeles, Calif. Retractable step. 2,575,615, Nov. 20.

Cumming, James M.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.

Cummins, Harry D., Pasadena, assignor, by mesne assignments, of sixty per cent to T. H. Coffey, La Crescenta, Calif., and forty per cent to W. D. Sellers. Drill. 2,575,332, Nov. 20.

Curley, Clarke C., Lorain, Ohio. Threshold plate assembly. 2,575,657, Nov. 20.

D. Swarovski Glasfabrik und Tyrolit Schleifmittel-Werke, assignee: *See*—
Pfeiffer, Franz.

Dain, William D., Bellevue, Mich. Cutting and splicing apparatus. 2,575,798, Nov. 20.

Daniels, James W., Fort Myers, Fla. Self-loading and unloading auto truck. 2,576,001, Nov. 20.

Darrow, Kenneth A.: *See*—
McMahan, Kenton D., and Darrow.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Rubber shock absorbing means for railway draft riggings. 2,575,491, Nov. 20.

Davies, Caleb, Jr., Ben Avon, assignor, by mesne assignments, to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Carbonization apparatus. 2,575,587, Nov. 20.

Davis, James A., assignor to Economy Building Block Machine Co. Inc., Topeka, Kans. Mixing machine. 2,575,410, Nov. 20.

Davis, Kingsbury H., Bernardsville, and R. K. Potter, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice-operated system. 2,575,909, Nov. 20.

Davison, John A., Waldwick, N. J., assignor to United States Rubber Company, New York, N. Y. Acrylonitrile-isobutylene copolymer synthetic resin latex. 2,575,750, Nov. 20.

Dazeley, Walter E., Twiston, near Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Profiling turbine and compressor-blading. 2,575,865, Nov. 20.

De Directie van de Staatsmijnen in Limburg, assignee: *See*—
Knops, Jan J. A.

Deere & Company, assignee: *See*—
Brown, Theophilus.
Oerman, Orey W.
Paul, Talbert W.

Deere Manufacturing Co., assignee: *See*—
Hill, George B., and Zollars.
Tuft, Miles H.

De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Telemetering transmitter with two prime movers. 2,575,616, Nov. 20.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Dipyridinium compound. 2,576,002, Nov. 20.

Del Nero, Roger, Rome, N. Y. Beer faucet. 2,575,658, Nov. 20.

Denham, Robert H., Scotia, N. Y., assignor to General Electric Company. Wire enameling die. 2,575,911, Nov. 20.

De Valle-Arizpe, Harmodio A., Colonia Portales, Mexico City, Mexico. Calculating machine. 2,575,866, Nov. 20.

De Vlieg, Charles B., Farmington, Mich. Machine tool positioning mechanism. 2,575,945, Nov. 20.

De Witt, Chauncey O., Teaneck, N. J., assignor to Westinghouse Air Brake Company. Fluid pressure brake equipment. 2,575,946, Nov. 20.

De Witt, Earl G.: *See*—
Shapiro, Hymin, and De Witt.

Dictaphone Corporation, assignee: *See*—
Trevitt, John H.

Di Dio, Fiorcornello, Lynn, Mass. Hod support. 2,575,617, Nov. 20.

Dillard, John D., Little Rock, Ark. Flush type fill box. 2,575,618, Nov. 20.

Distillers Company, Limited, The, assignee: *See*—
Faulkner, Donald, Stanley, and Staudinger.

Di Toro, Michael J., Brooklyn, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Noise suppression circuit. 2,575,333, Nov. 20.

Ditson, J. D., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Rock drill. 2,575,619, Nov. 20.

Dittmann, Karl H., Mendham, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Flow-measuring apparatus. 2,575,492, Nov. 20.

Dixon, Paul H., Springfield, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J. Firing mechanism for use with a gun synchronizer. 2,575,411, Nov. 20.

Doble, Warren, North Hollywood, assignor, by mesne assignments, to Jabsco Pump Company, Burbank, Calif. Rotary shaft seal. 2,575,549, Nov. 20.

Docksey, Patrick: *See*—
Howes, Donald A., Tait, Docksey, Birch, and Partridge.

Dodd, Coleman, Hempstead, N. Y., assignor to The Sperry Corporation. High-frequency tuning apparatus. 2,575,334, Nov. 20.

Doherty, William H., Summit, J. F. Morrison, Boonton, and E. L. Younker, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency power and impedance monitor. 2,575,799, Nov. 20.

Dole Valve Company, The, assignee: *See*—
Chace, Thomas B., and Reinhardt.

Donnelley, Elliott, Chicago, Ill., assignor to R. R. Donnelly & Sons. Adjustable dunnage apparatus. 2,575,751, Nov. 20.

Donnelly, R. R., & Sons, assignee: *See*—
Donnelley, Elliott.

Dotzenroth, William H., Montreal, Quebec, Canada, assignor to United States Rubber Company, New York, N. Y. Antisplash shoe heel. 2,575,752, Nov. 20.

Douglas, Peyton W., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine. 2,575,335, Nov. 20.

Dow Chemical Company, The, assignee: *See*—
Britton, Edgar C., and Head.
Pelton, Earl L.

Doyle, Charles D., Schenectady, N. Y., assignor to General Electric Company. Silicone resin solutions. 2,575,912, Nov. 20.

Dreher, Otto: *See*—
Meyer, George T., and Dreher.

Drennan, Pat S.: *See*—
Lee, Robert J., and Drennan.

Dry, John P., Winters, Tex. Easy line bolt. 2,576,003, Nov. 20.

Duke, Marshall: *See*—
Seymour George W., and Duke.

Duke, Marshall, and C. Hohing, Jr., Morristown, N. J., and B. L. Shaffer, Cumberland, Md., assignors to Celanese Corporation of America, New York, N. Y. Fiber lubricant composition. 2,575,382, Nov. 20.

Dulak, John T.: *See*—
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Pohle, Eric.
Ware, Paul.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Goertz, John R.

Dunn, Clarence L.: *See*—
Maycock, Russel L., and Dunn.

Dym, Joseph B., *See*—
Coe, Harry D., Jr., and Dym.

E. C. D. Limited, assignee: *See*—
Williams, Ernest, Whitehead, and Mercer.

E & J Manufacturing Co., assignee: *See*—
Fox, Le Roy G.

Eastman, Fred L., assignor to Compco Corporation, Chicago, Ill. Address card holder for shipping containers. 2,575,913, Nov. 20.

Eastman Kodak Company, assignee: *See*—
Van Lare, Earl, and Brooker.

Eastman Machine Company, assignee: *See*—
Ulrich, Lester J.

Easy Washing Machine Corporation, assignee: *See*—
Douglas, Peyton W.
Glassey, Philip P.

Economy Building Block Machine Co. Inc., assignee: *See*—
Davis, James A.

Edelman, Abraham: *See*—
De Giers, Clarence A., and Edelman.

Edison, Thomas A., Incorporated, assignee: *See*—
Dittmann, Karl H.

Efron, Theodore, assignee: *See*—
Schaefer, Edward E.

Egly, Richard S.: *See*—
Stengel, Leonard A., and Egly.

Eicher, La Verne B., Washington, Iowa. Applying matrix strips. 2,575,800, Nov. 20.

Eldred, Edwin C., Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Nail distributing and loading apparatus. 2,575,336, Nov. 20.

Elliott, Brantford G.: *See*—
Scranton, Charles J., and Elliott.

Elliott Brothers (London) Limited, assignee: *See*—
Petch, Herbert S.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Sealing device for dry cells. 2,575,337, Nov. 20.

Elton, Robert: *See*—
Thomas, Orrin H., and Elton.

Emery Industries, Inc., assignee: *See*—
Myers, Latimer D.

Enger, Clifford E.: *See*—
Roberts, Benjamin K., and Enger.

Ensey, Troy D., Scappoose, and M. Simmons, Portland, Oreg., said Ensey, assignor to said Simmons. Jack. 2,575,659, Nov. 20.

Erickson, Helmer E.: *See*—
Talboys, Henry H., and Erickson.

Erlewine, Richard H., assignor to General Plastics Corporation, Marion, Ind. Hollow display article. 2,575,512, Nov. 20.

Ethyl Corporation, assignee: *See*—
Shapiro, Hymin, and De Witt.

Etnyre, Edward A., Oregon, Ill. Fence gate construction. 2,575,947, Nov. 20.

Evans Case Company, assignee: *See*—
Reilly, Alfred F.

Evans, Thomas, Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company. Implement hitch for tool bar implements. 2,575,801, Nov. 20.

Ewbank, Walter J.: *See*—
Briggs, Southwick W., and Ewbank.

Fahland, Frank, Omaha, Nebr. Cargo-supporting crossbar. 2,575,550, Nov. 20.

Fair, Glenn T., Belvidere, Ill. Semirevolving vehicle seat. 2,576,004, Nov. 20.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Boyajean, John A., Jr.

Fansteel Metallurgical Corporation, assignee: *See*—
Halverson, Gilbert, and Kleis.

Farkas, Pierre, Boulogne-sur-Seine, France. Vehicle brake. 2,575,706, Nov. 20.

Farrar, John F. P., assignor to Chicago Metal Hose Corporation, Maywood, Ill. Coupling structure. 2,575,338, Nov. 20.

Faulkner, Donald, Cambridge, H. M. Stanley, Tadworth, and J. J. P. Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of plasticized resin compositions. 2,575,444, Nov. 20.

Faximile, Inc., assignee: *See*—
Hogan, John V. L.

Fearing, Edward W.: *See*—
Ashley,, Merwin F., and Fearing.

Fechter, Harry B., Minneapolis, Minn. Auto radiator hanger clamp. 2,575,412, Nov. 20.

Federal Telecommunication Laboratories, Inc., assignee: *See*—
Di Toro, Michael J.

Feldman, Carl B. H.: *See*—
Bennett, William R., and Feldman.

Fergason, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Detachably mounted corn harvester. 2,575,620, Nov. 20.

Ferrary, Silvius A., Paterson, N. J. Combined heddle and lingo and making the same. 2,576,005, Nov. 20.

Ferri, Saul, Rochester, N. Y. Toe spacing device. 2,575,867, Nov. 20.

Ferri, Saul, Rochester, N. Y. Toe spacing device. 2,575,868, Nov. 20.

Ferry, John D., and P. R. Morrison, Madison, Wis., assignors to Research Corporation, New York, N. Y. Forming shaped fibrin products. 2,576,006, Nov. 20.

Field, Lester M., Palo Alto, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency amplifying device. 2,575,383, Nov. 20.

Fischer, Bazle G.: *See*—
Fischer, George M. and B. G.

Fischer, George M. and B. G., Billings, Mont. Gun sight mounting. 2,576,007, Nov. 20.

Fischer, Jürgen, and P. R. Kluge, Hamburg, Germany. Knee joint of artificial legs. 2,575,802, Nov. 20.

Fisher, Frank, Owosso, Mich. Baling wire cutter. 2,575,948, Nov. 20.

Fitchman, Arthur: *See*—
Richman, Samuel L., and Fitchman.

Fitzgerald, James W., Alexandria, Va. Rubber dome for underwater sound. 2,575,339, Nov. 20.

Flakice Corporation, assignee: *See*—
Walsh, Edward C.

Flint Eaton and Company, assignee: *See*—
Bandelin, Fred J.

Flowers, Henry F., Findlay, Ohio. Rotary car-dumping mechanism. 2,575,869, Nov. 20.

Forwald, Haakon, Valhalla, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Compressed air circuit breaker. 2,575,949, Nov. 20.

Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Producing chenille-like yarn. 2,575,753, Nov. 20.

Fousek, Frank D., Washington, D. C. Photogram printer with a point light source and arcuate reflector. 2,575,621, Nov. 20.

Fox, Le Roy G., assignor to E & J Manufacturing Co., Glendale, Calif. Detachable aspirator. 2,575,513, Nov. 20.

Fraga, Frank M., Fresno, Calif. Pickup implement. 2,575,622, Nov. 20.

Frank, Samuel, Houston, Tex. Dispensing machine. 2,575,803, Nov. 20.

Franklin, William B., San Fernando, assignor to Joseph J. White, Los Angeles, Calif. Soldering flux. 2,575,413, Nov. 20.

Fraser, Kenneth G., assignee: *See*—
Stillwagon, George B., Jr.

Frechin, René E. A. J., Darnac, France. Extracting gelatin and glue. 2,575,551, Nov. 20.

Fredholm, Henry M., Midlothian, Ill. Pivoted link jar cap wrench with resilient shoes. 2,575,950, Nov. 20.

Frile, Harald T., Rumson, W. D. Lewis, Little Silver, and L. C. Tillotson, Holmdel, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave hybrid junction. 2,575,804, Nov. 20.

Frisby, Frank D.: *See*—
Marien, Charles A., and Frisby.

Fritts, Kenneth M., Erie, Pa. Combined reel for a fishing pole and locking means therefor. 2,575,588, Nov. 20.

Froelich, Herman C., and J. M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company. Stabilized calcium phosphate phosphor. 2,575,754, Nov. 20.

Froelich, Herman C., and J. M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company. Alkali stabilized calcium phosphate phosphor. 2,575,755, Nov. 20.

Fulton, John W., Chardon, and R. A. Kuebler, Cleveland Heights, Ohio, assignors to General Electric Company. Exhaust machine. 2,575,756, Nov. 20.

Furczyk, Alfons A., assignor to Selas Corporation of America, Philadelphia, Pa. Internally fired gas burner with radiant end wall. 2,575,514, Nov. 20.

Fuse Indicator Corporation, assignee: *See*—
Linton, William C.

Ganz, William, Teaneck, N. J., assignor to Johnson & Johnson. Machine for making cotton tipped applicators. 2,576,068, Nov. 20.

Garver, Ralph R.: *See*—
Gladfelter, Wiltie L., and Garver.

Gates, Frederick G., assignor to Gestetner Limited, London, England. Connecting collapsible tubes to a pump device for discharging the contents thereof. 2,575,870, Nov. 20.

Geidl, Percy J., Sioux City, Iowa. External visor for automobile windows. 2,575,660, Nov. 20.

Geist, Paul M.: *See*—
Bullard, Robinson D., Sherwood, and Geist.

General Dry Batteries, Inc., assignee: *See*—
Rock, Arthur F.

General Electric Company, assignee: *See*—
Blachoff, Alfred F.
Bullard, Robert O.
Cartun, Paul O.
Denham, Robert H.
Doyle, Charles D.
Froelich, Herman C., and Margolis.
Fulton, John W., and Kuebler.
Guy, Albert G.
Hobbs, George W.
Langenwalter, Daniel F.
McMahan, Kenton D., and Darrow.
Morris, William C.
Preston, Thomas.
Russell, Arthur P.
Smith, Sidney R., Jr.
Taylor, Hamilton D.
Timmerman, Julius W., Jr.

General Mills, Inc., assignee: *See*—
Warner, Donald T., and Moe.

General Motors Corporation, assignee: *See*—
Jorgensen, Clarence H., and Taylor.

General Plastics Corporation, assignee: *See*—
Erlewine, Richard H.

General Tire and Rubber Company, The, assignee: *See*—
Bennett, John R.
Kraft, Herman T.

Genta, Guido: *See*—
Ogilvie, James, and Genta.

Germer, Walter E., Norden/Ostfriesland, Germany, assignor of twenty-five per cent to A. E. Neidt, and twenty-five per cent to G. E. Neidt, St. Louis, Mo. Scanning of sound records. 2,575,445, Nov. 20.

Gerrard Steel Strapping Company, assignee: *See*—
Vining, Willard F., and Rowe.

Gestetner Limited, assignee: *See*—
Gates, George F.

Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Integrating apparatus. 2,575,951, Nov. 20.

Gill, Ray H.: *See*—
Wilt, Homer E., and Gill.

Gilliland, William H., and F. H. Turnham, assignors to USCO Power Equipment Corp., Birmingham, Ala. High-voltage switch assembly. 2,575,707, Nov. 20.

Gladfelter, Willie L., and R. R. Garver, assignors to Pangborn Corporation, Hagerstown, Md. Wet blasting machine. 2,576,008, Nov. 20.

Glassey, Philip P., Cazenovia, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Tripod gun mount. 2,575,805, Nov. 20.

Glenn, William S., Jr., Spartanburg, S. C. Tiltable platform for industrial trucks. 2,575,552, Nov. 20.

Glick, Anne C., Dunmore, Pa. Curling hair. 2,575,589, Nov. 20.

Glick, Harvey L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse generator. 2,575,708, Nov. 20.

Goertz, John R., Clarksville, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Arresting the polymerization of chloroprene. 2,576,009, Nov. 20.

Goff, Harold W., Manhasset, N. Y. Belt. 2,575,952, Nov. 20.

Goldstein, Maxwell K., Washington, D. C. Determination of ground constants. 2,575,340, Nov. 20.

Gollmar, Herbert A., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Recovery of butadiene from cyclohexane pyrolate. 2,575,341, Nov. 20.

Gollong, Richard J., assignor to American Viscose Corporation, Wilmington, Del. Ring top bucket. 2,575,446, Nov. 20.

Goodrich, B. F., Company, The, assignee: *See*—
Billingsley, William F.
Huff, James W.
Hutchins, Paul L.
Kmentt, Waldemar D.
Krotz, Alvin S.
Wilt, Homer E., and Gill.

Goodyear Aircraft Corporation, assignee: *See*—
Loudenslager, Oscar W.

Gordon, Stuart, Saltcoats, and E. Whitworth, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Granular smokeless propellant powders. 2,575,871, Nov. 20.

Gossick, Ben R., Moorestown, N. J., assignor to Radio Corporation of America. Fail-safe feature for balanced bridge indicators. 2,575,447, Nov. 20.

Goulding, Albert, Jr., assignor to Wingfoot Corporation, Akron, Ohio. Calender roll pressure control apparatus. 2,575,590, Nov. 20.

Gow, Arthur R., Hamden, and C. J. Crowley, assignors to The Seamless Rubber Company, New Haven, Conn. Molded athletic ball with lacing grip. 2,575,414, Nov. 20.

Graham, James J.: *See*—
Werner, Fred H., and Graham.

Grammer, James L., Western Springs, Ill., assignor to Westinghouse Air Brake Company. Signal clearing relay for centralized traffic control systems of the code type. 2,576,010, Nov. 20.

Grammes, L. F., & Son, Inc., assignee: *See*—
Lichty, Harvey.

Gratzner, Raymond I.: *See*—
Schweiss, Walter W., and Gratzner.

Graves, Harold E., Jr., assignor to Brown-Graves Company, Akron, Ohio. Spring hinge for combination storm windows. 2,575,623, Nov. 20.

Graybill, Hershey R., Manheim, assignor to Animal Trap Company of America, Lititz, Pa. Gun trap for predatory animals. 2,575,515, Nov. 20.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Contact bank for 25-point 10-wiper rotary switches. 2,575,806, Nov. 20.

Grey, David S., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Catadioptric optical system. 2,576,011, Nov. 20.

Gridley, Darrin H., Washington, D. C. Position sensing device. 2,575,342, Nov. 20.

Griesinger, William K., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Fat splitting agent and producing same. 2,575,807, Nov. 20.

Griffin, Roger L., Marblehead, and N. Y. Moore, Danvers, assignors to A. C. Lawrence Leather Company, Peabody, Mass. Conveyer. 2,575,914, Nov. 20.

Griffith, Frederick: *See*—
Kautzmann, George L., and Griffith.

Grimac, Theodore E., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Ducted spinner inlet. 2,575,415, Nov. 20.

Grissinger, George G., and B. G. Tremblay, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,575,709, Nov. 20.

Grove, Donald J.: *See*—
Hipple, John A., Jr., and Grove.

Guest, Howard R.: *See*—
Young, Donald M. and F. G., and Guest.

Guest, Howard R., and R. W. McNamee, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Catalytic hydrogenation of acetophenone to phenyl methyl carbinol. 2,575,404, Nov. 20.

Gulf Research & Development Company, assignee: *See*—
Topanellan, Edward, Jr.

Gurck, Arnoldus J., The Hague, Netherlands, assignor, by mesne assignments, to Lock Joint Pipe Company, East Orange, N. J. Sleeve joint for concrete tubes. 2,576,012, Nov. 20.

Guy, Albert G., Schenectady, N. Y., assignor to General Electric Company. Nickel base high-temperature alloy. 2,575,915, Nov. 20.

Haas, Paul, Emporium, Pa., assignor to Sylvania Electric Products, Inc. Electron discharge device. 2,575,448, Nov. 20.

Hackman, Betty: *See*—
Simon, Alfred, and Hackman.

Hagen, Glenn E., Lawndale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Glow tube switch. 2,575,516, Nov. 20.

Hagen, Glenn E., Lawndale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Glow tube counting circuit. 2,575,517, Nov. 20.

Haley, Bernard S., and E. B. Conron, London, Ontario, Canada. Portable seating unit. 2,575,953, Nov. 20.

Hall, Jesse E., Weatherford, Tex., assignor of ninety per cent to Nevada Leasehold Corporation, and ten per cent to Parker Industrial Products, Inc. Pipe-line swab with expansible element. 2,575,624, Nov. 20.

Halverson, Gilbert, Libertyville, and J. D. Kleis, Lake Forest, assignors to Fansteel Metallurgical Corporation, North Chicago, Ill. Contact mounting. 2,575,808, Nov. 20.

Handley, John, London, England, assignor to The Union Totalisator Company, Limited, Glasgow, Scotland. Cam and pawl actuated tens transfer device. 2,575,872, Nov. 20.

Hankins, Rex R., Alexandria, Minn. Draining rack for oil cans. 2,575,809, Nov. 20.

Harder, Clarence L.: *See*—
Reichel, Frank H., and Harder.

Hardigg, George W., Swathmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for measuring rotor blade vibration. 2,575,710, Nov. 20.

Hardy, Derek J., Cowes, Isle-of-Wight, assignor to Saunders-Roe Limited, Osborne, England. Window for pressurized chambers. 2,575,757, Nov. 20.

Harlow, Virginia M., New York, N. Y. Frame for assisting in designing and measuring lamp shades. 2,575,625, Nov. 20.

Harris, Walter D., and D. L. Schoene, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Preparation of 1,2-dihydropyridazine-3,6-dione. 2,575,954, Nov. 20.

Harshaw Chemical Company, The, assignee: *See*—
Johnson, Irwin E.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Semeyn, Johannes.

Harvard Manufacturing Company, The, assignee: *See*—
Blanke, Nathan E., and Sands.

Haskin, Lawrence H., Jr., assignor to Champlain Company, Inc., Bloomfield, N. J. Sheet delivery and stacking. 2,576,013, Nov. 20.

Hatch, Alexander G.: *See*—
Condon, Robert S., and Hatch.

Hatch, James W., Los Angeles, Calif. Fuel injection pump. 2,575,955, Nov. 20.

Hazeltine Research, Inc., assignee: *See*—
Wheeler, Harold A.

Head, James D.: *See*—
Britton, Edgar C., and Head.

Heiman, Harry, assignor of one-half to H. M. Plehn, New York, N. Y. Bust-measuring device. 2,575,343, Nov. 20.

Helterline, Leo L., Jr., South Norwalk, M. Best, Jr., Stamford, and A. Bunblasky, New Canaan, assignors to Sorensen & Company, Inc., Stamford, Conn. Filament failure device for electronic tubes. 2,576,014, Nov. 20.

Henney, George K., assignor to Bendix Aviation Corporation, South Bend, Ind. Motorized vehicle. 2,575,873, Nov. 20.

Henshaw, James N., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Handle-actuated blind riveting tool. 2,575,416, Nov. 20.

Hercules Powder Company, assignee: *See*—
Shapleigh, James H.

Herd, Harry H., Honolulu, Territory of Hawaii. Framework for buildings. 2,575,758, Nov. 20.

Hereford, Frank L., Jr., Swarthmore, Pa., and W. D. Whitehead, Jr., Old Church, Va., assignors to United States of America as represented by the Secretary of the Navy. Train parallax computer. 2,575,956, Nov. 20.

Herlow, Anders, assignor to A/S Grindstedvaerket, Grindsted, Denmark. Production of oil-in-oil emulsions. 2,575,874, Nov. 20.

Heyman, Albert A., assignor to J. Shapiro, Baltimore, Md. Straw cutting mechanism for straw manufacturing machines. 2,575,417, Nov. 20.

Hickey, Marie E., East Chicago, Ind., assignor of fifty per cent to A. E. Kass, Mauston, Wis. Medical therapy cart. 2,575,661, Nov. 20.

Highberg, George A., West Hartford, assignor to The Whiton Machine Company, New London, Conn. Machine powered chuck. 2,575,662, Nov. 20.

Highland Art Embroidery Company, assignee: *See*—
Salz, Robert.

Higinbotham, William A., Upton, and B. D. McDaniel, Ithaca, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Counter chronograph. 2,575,759, Nov. 20.

Hill, George B., and R. U. Zollars, Ottumwa, assignors to Deere Manufacturing Co., Dubuque, Iowa. Baler plunger head adjustment. 2,575,449, Nov. 20.

Hilliker, Frank T., St. Louis, Mo. Dishwashing machine and plural liquid spray means therefor. 2,575,493, Nov. 20.

Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Electric switch device. 2,575,957, Nov. 20.

Hines, Claude M., Verona, and W. B. Kirk, East McKeesport, Pa., assignors to Westinghouse Air Brake Company. Electropneumatic brake apparatus. 2,575,958, Nov. 20.

Hipple, John A., Jr., Washington, D. C., and D. J. Grove, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mass spectrometer recorder. 2,575,711, Nov. 20.

Hirst, Charles D., Cupertino, and G. L. Woodington, said G. L. Woodington, assignor by decree of distribution to V. J. Woodington, North Sacramento, Calif. Valve for metering system. 2,575,810, Nov. 20.

Hoag, Wilton F., and C. F. Carlson, Batavia, Ill. Torque-limiting wrench. 2,576,069, Nov. 20.

Hobbs, George W., Scotia, N. Y., assignor to General Electric Company. Electric selecting matrix. 2,575,916, Nov. 20.

Hoegberg, Erick I.: *See*—
Cassaday, Jack T., and Hoegberg.

Hoekstra, Henry R., Park Forest, and J. J. Katz, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of heavy metal borohydrides. 2,575,760, Nov. 20.

Hofammann, Karl E., Altoona, and S. M. Viele, Swarthmore, Pa. Magnetic testing apparatus. 2,575,811, Nov. 20.

Hofmann, Corris M.: *See*—
Parker, Robert P., and Hofmann.

Hogan, John V. L., Forest Hills, assignor to Faximile, Inc., New York, N. Y. Facsimile recorder construction. 2,575,959, Nov. 20.

Hohing, Conrad, Jr.: *See*—
Duke, Marshall, Hohing, and Shaffer.

Holmes, Eric L., Northants, and L. E. Holmes, Richmond, Surrey, England. Ion exchange material and use thereof. 2,575,518, Nov. 20.

Holmes, Lucie E.: *See*—
Holmes, Eric L. and L. E.

Homans, Lili N. S., assignor to Stichting Nederlandsch-Indisch Instituut Voor Rubberonderzoek, Buitenzorg, near Batavia, Isle of Java, Netherlands East Indies. Treatment of the white fraction latex in which non-rubber constituents are decomposed. 2,575,663, Nov. 20.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Speed measuring mechanism. 2,575,494, Nov. 20.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Throttle control for motor vehicle engines. 2,575,384, Nov. 20.

Horton Manufacturing Company, assignee: *See*—
Wubbe, Leo J.

Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Package for a belt. 2,576,070, Nov. 20.

Howes, Donald A., T. Tait, P. Docksey, S. F. Birch, and W. A. Partridge, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Aviation or motor fuels. 2,576,071, Nov. 20.

Huff, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for cutting strip material. 2,575,450, Nov. 20.

Hufnagel, Andrew, Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electric relay. 2,575,812, Nov. 20.

Hunmel, August C., Cincinnati, Ohio. Brush moistener. 2,575,495, Nov. 20.

Humphrey, Paul E., San Diego, Calif., assignor to the United States of America as represented by the Secretary of the United States Air Force. Gun charger. 2,576,015, Nov. 20.

Huntington, Archer S., Atlantic Beach, N. Y. Thread winder. 2,575,960, Nov. 20.

Hutchins, Paul L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer belt. 2,575,813, Nov. 20.

Hutchinson, Harry M.: *See*—
Carter, Robert E., and Hutchinson.

Icecrafter Trust, assignee: *See*—
Bayston, John R.

Imhoff, Donald H., and C. H. O. Berg, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,575,519, Nov. 20.

Imperial Chemical Industries Limited, assignee: *See*—
Gordon, Stuart, and Whitworth.

Independent Pneumatic Tool Company, assignee: *See*—
Mitchell, Walter G.

Industrial Patent Corporation, assignee: *See*—
Wales, Nathaniel B. and N. B., Jr.

Ingersoll-Rand Company, assignee: *See*—
Ditson, J. D.

Interchemical Corporation, assignee: *See*—
Kumins, Charles A., and McNesby.

International Paper Company, assignee: *See*—
Baumann, Martin.

International Standard Electric Corporation, assignee: *See*—
Bruzau, Marie, and Meuleau.

Ireland, Ralph J., Mankato, Minn. Spraying device. 2,575,521, Nov. 20.

Isaac, Matthew J., Dallas, Tex. Fishing lure. 2,575,626, Nov. 20.

Ivans, William S., Jr., La Jolla, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Variable width pulse generating system. 2,575,961, Nov. 20.

Jabsco Pump Company, assignee: *See*—
Doble, Warren.

Jackson, Byron, Co., assignee: *See*—
Mullinix, Gird E.

Jackson, J. D., Eloy, Ariz. Turn signal for vehicles. 2,575,418, Nov. 20.

Jacobsen, Julius A.: *See*—
Shirk, William C., Jacobsen, Shirk and Jacobsen.

Jacobsen, Raymond C.: *See*—
Shirk, William C., Jacobsen, Shirk, and Jacobsen.

Jaffee, Robert I., H. R. Ogden, and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium alloy. 2,575,962, Nov. 20.

James, Andrew C., Alexandria, La. Ozone generator. 2,575,664, Nov. 20.

Jankowski, Stanley A., Detroit, Mich. Motor operated bowling ball cleaner having a rotary brush. 2,575,814, Nov. 20.

Janusz, Mitchell B., assignor to Sears, Roebuck and Co., Chicago, Ill. Lifting jack. 2,576,016, Nov. 20.

Jefferson, Glen V.: *See*—
Bone, Herbert L., and Jefferson.

Jefferson, Glen V., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Rail detector controller for drawbridges. 2,575,815, Nov. 20.

Jeffrey, John, Mount Clemens, and T. T. May, Grosse Pointe Park, Mich. Automobile hood position warning indicator. 2,575,017, Nov. 20.

Jeffrey Manufacturing Company, The, assignee: *See*—
Wright, Fred J.

Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating. 2,575,712, Nov. 20.

Jerome, Arthur L.: *See*—
Pascoe, Frank T., and Jerome.

Johansson, Sven C., Goteborg, Sweden. Disinfectant composition containing a corrosion inhibitor. 2,575,713, Nov. 20.

Johnson, Fred H., Pittsburgh, Pa., assignor to United States Steel Company. High-temperature gas valve. 2,575,875, Nov. 20.

Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Crown block safety switch. 2,575,827, Nov. 20.

Johnson, Irwin E., Cleveland Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of nickel formate. 2,576,072, Nov. 20.

Johnson, James C., Houston, Tex. Rotary scraping device for cleaning surface pitted pipe. 2,575,816, Nov. 20.

Johnson, John L., Catonsville, and J. R. Boykin, Glen Burnie, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Facsimile system. 2,575,714, Nov. 20.

Johnson & Johnson, assignee: *See*—
Ganz, William.

Johnson, Marcus E., Amidon, N. Dak. Violin holder and harness. 2,576,018, Nov. 20.

Johnson, Oscar A., assignor to Riley Stoker Corporation, Worcester, Mass. Water-cooled furnace wall. 2,575,628, Nov. 20.

Johnson, Wallace J. S., assignor to Up-Right, Inc., Berkeley, Calif. Swivel coupling. 2,575,917, Nov. 20.

Jones, James W., and P. V. Maney, assignors to the State of Iowa, for the use and benefit of the State University of Iowa, Iowa City, Iowa. Dihydroxypropyl theophylline. 2,575,344, Nov. 20.

Jones & Lamson Machine Company, assignee: *See*—
Tancred, William L.

Jorgensen, Clarence H., Rochester, N. Y., and W. H. Taylor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine controller. 2,575,345, Nov. 20.

Joy Manufacturing Company, assignee: *See*—
Ball, Charles F.
Simmons, Leon E.

Judd, H. L., Company, assignee: *See*—
Werner, Fred H., and Graham.

Julian, Frederick C., assignor to South Bend Tool and Die Co., Inc., South Bend, Ind. Apparatus for taper grinding elongated articles. 2,575,346, Nov. 20.

Kase, Anne E., assignee: *See*—
Hickey, Marie E.

Katz, Joseph J.: *See*—
Hoekstra, Henry R., and Katz.

Katz, Samuel, Bronx, N. Y. Separable slip. 2,575,918, Nov. 20.

Kaufmann, Stephen: *See*—
Rosenkranz, George, and Kaufmann.

Kausch, Fredrick, Jersey City, N. J. Filter apparatus. 2,575,876, Nov. 20.

Kautzmann, George L., Irvington, and F. Griffith, Denville, assignors to Public Service Coordinated Transport, Newark, N. J. Fare box coin unit. 2,575,817, Nov. 20.

Kautzmann, Harry L., Ozone Park, and J. A. Berardi, assignors to Nu-Craft Products Co., Brooklyn, N. Y. Built-up letter tray. 2,575,919, Nov. 20.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Keller, Edward L., Mount Lebanon, Pa. Lightning protector for watt-hour meters. 2,575,715, Nov. 20.

Keller Tool Company, assignee: *See*—
Shaff, Ernest H.

Kennametal Inc., assignee: *See*—
Alexander, Arthur H. and J. H.

Kennedy, Donald W.: *See*—
Vorwick, William S., and Kennedy.

Kershner, Osborn A., assignor, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich. Hydraulic disk brake and actuator means therefor. 2,575,963, Nov. 20.

Kidde Manufacturing Co., Inc., assignee: *See*—
Sollmann, Carl H.

Kiessling, Edward A., River Edge, N. J., F. G. Lake, New York, N. Y., and F. Stephensen, Lyndhurst, assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Warp beam lifting mechanism. 2,575,451, Nov. 20.

Kilgore, Lee A., Export, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-speed polyphase dynamoelectric machine. 2,575,716, Nov. 20.

Kilheffer, Lawrence D.: *See*—
Compton, Justin S., and Kilheffer.

Killoran, Joseph L., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Drive for traverse mechanism. 2,575,785, Nov. 20.

Kilpatrick, William J., Detroit, and L. F. Butler, Highland Park, Mich. Dispensing mechanism for bulk material. 2,575,920, Nov. 20.

Kilgela, Ano E., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch control for marine transmission. 2,575,665, Nov. 20.

Kindred MacLean & Company, Inc., assignee: *See*—
Klein, Charles E.

King, George E., Williamsville, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,575,717, Nov. 20.

King, Julius H., New York, N. Y. Cup forming and dispensing mechanism for beverage vending machines. 2,575,386, Nov. 20.

Kirk, Walter B.: *See*—
Hines, Claude M., and Kirk.

Kisselle, John M., Detroit, Mich. Cigarette tray. 2,576,019, Nov. 20.

Klaar, Max, San Mateo, Calif. Pencil holder. 2,575,591, Nov. 20.

Klapproth, William J., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of melamine. 2,575,629, Nov. 20.

Klein, Charles E., Queens Village, assignor to Kindred MacLean & Company, Inc., Long Island City, N. Y. Display device. 2,575,452, Nov. 20.

Kleis, John D.: *See*—
Halverson, Gilbert, and Kleis.

Klenk, Karl J., Wilmington, Del. Plier-type tile piercing tool. 2,575,630, Nov. 20.

Klier, Wilhelm W., El Paso, Tex. Engine crankcase cooling system. 2,575,877, Nov. 20.

Kluge, Paul R.: *See*—
Fischer, Jürgen, and Kluge.

Kluglein, Helmuth and T., Valley Stream, N. Y. Parachute. 2,575,387, Nov. 20.

Kluglein, Theobald: *See*—
Kluglein, Helmuth and T.

Kmentt, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pole storage rack. 2,575,453, Nov. 20.

Knight, Troy J., Golden, Ill. Multiple swing farm gate. 2,575,419, Nov. 20.

Knight, Troy J., Golden, Ill. Gate latch. 2,575,420, Nov. 20.

Knops, Jan J. A., Oirabeek, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Manufacture of pyromellitic acid. 2,576,020, Nov. 20.

Knudson, Warren A., assignor to Silvercote Products, Inc., Chicago, Ill. Reinforced web and method and apparatus for forming same. 2,575,666, Nov. 20.

Kofron, Vernon K., St. Louis, Mo., assignor, by mesne assignments, to Vickers, Incorporated. Electrical rectifiers. 2,575,388, Nov. 20.

Kolfenbach, John J.: *See*—
Morway, Arnold J., and Kolfenbach.

Kolvoort, Egbert C. H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Producing stable aqueous dispersions of polymer containing plasticizers therefor. 2,575,553, Nov. 20.

Koppers Company, Inc., assignee: *See*—
Gollmar, Herbert A.

Koree, Jean U., New York, N. Y. Tobacco substitute containing bagasse. 2,576,021, Nov. 20.

Kosatka, Thomas O., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Fluid seal. 2,575,818, Nov. 20.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Making multiple bead pneumatic tire casings. 2,575,878, Nov. 20.

Kraft, Joseph K.: *See*—
Wallace, James M., and Kraft.

Krantz, John J., Bradford, Pa. Device for producing food products. 2,575,921, Nov. 20.

Kropa, Edward L., Old Greenwich, L. E. Craig, Stamford, and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Fabricated structure comprising porous compositions of matter. 2,576,073, Nov. 20.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Seat suspension. 2,575,496, Nov. 20.

Krøyer, Karl K. K., Aarhus, Denmark. Pressure resisting heating vessel. 2,575,667, Nov. 20.

Kuebler, Robert A.: *See*—
Fulton, John W., and Kuebler.

Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Railway car framing structure. 2,575,454, Nov. 20.

Kulczycki, Karol: *See*—
Mastriani, Elvin A., and Kulczycki.

Kumins, Charles A., Brooklyn, and J. R. McNesby, assignors to Interchemical Corporation, New York, N. Y. Metallo organic compounds. 2,575,347, Nov. 20.

Kuykendall, William C., Modesto, Calif. Holder for ice-cream cans. 2,575,592, Nov. 20.

Ladner, Oscar L., assignee: *See*—
Tadinger, Paul.

Laird, Arthur G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal unit. 2,575,819, Nov. 20.

Lake, Francis G.: *See*—
Kiessling, Edward A., Lake, and Stephensen.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Creel. 2,575,348, Nov. 20.

Lambert Brake Corporation, assignee: *See*—
Kershner, Osborn A.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic apparatus. 2,576,022, Nov. 20.

Lanegan, Frederick E., assignor to W. H. Smith & Son Limited, London, England. Autographic register. 2,575,421, Nov. 20.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Impact tool. 2,575,455, Nov. 20.

Langenwalter, Daniel F., Schenectady, N. Y., assignor to General Electric Company. Temperature measuring device. 2,575,922, Nov. 20.

Langille, Wilfred O., Chester, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner with illuminating device. 2,575,554, Nov. 20.

Langston, Samuel M., Co., assignee: *See*—
Nitchie, Charles D.

La Plante, Paul W., Phoenix, Ariz. Perpetual calendar. 2,575,555, Nov. 20.

La Rosee, James R., Waltham, Mass. Milling machine attachment. 2,576,023, Nov. 20.

Laser, William P., Shrewsbury, Mo. Scrotum sleeve. 2,576,024, Nov. 20.

Laulainen, Einer A., Longview, Wash. Apparatus for pressing bark-removing cables against a pile, pole, or log. 2,575,422, Nov. 20.

Lawler, William P.: *See*—
Mackay, Johnstone S., and Lawler.

Lawrence, A. C., Leather Company, assignee: *See*—
Griffin, Roger L., and Moore.

Lee, Frederick W., Owings Mills, Md. Geophysical surveying. 2,575,349, Nov. 20.

Lee, Robert J., La Marque, and P. S. Drennan, Dickinson, assignors to Pan American Refining Corporation, Texas City, Tex. Producing polyolefinic hydrocarbon drying oils. 2,575,718, Nov. 20.

Leeds, Winthrop M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,575,719, Nov. 20.

Lemoyne, Samuel N., Ventnor, N. J. Indicating device for improving skill in golf. 2,575,668, Nov. 20.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Instrument balance mechanism. 2,575,720, Nov. 20.

Les Usines de Melle (Societe Anonyme), assignee: *See*—
Maincon, Maurice.

Levin, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. Ozonization of adducts of dehydroergosteryl esters. 2,575,350, Nov. 20.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 24-aryl-5,23-choladienes. 2,575,351, Nov. 20.

Levstek, Frank, assignee: *See*—
Chandler, Clara L.

Lewis, Willard D.: *See*—
Friis, Harald T., Lewis, and Tillotson.

Lichty, Harvey, Emmaus, assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Name plate device or the like. 2,575,721, Nov. 20.

Light, George G.: *See*—
Blanton, William B., and Light.

Lilly, Eli, and Company, assignee: *See*—
Caldwell, Archie L.

Link, Edwin A., assignor to McGraw Electric Company, Milwaukee, Wis. Vacuum mandrel. 2,575,631, Nov. 20.

Linton, William C., Washington, D. C., assignor to Fuse Indicator Corporation, Rockville, Md. Illuminated cover plate for electrical outlets. 2,575,820, Nov. 20.

Linton, William C., Washington, D. C. Pocket-size circuit tester. 2,575,821, Nov. 20.

Lipman, Elmer, Detroit, Mich. Normally sealed atomizer 2,575,632, Nov. 20.

Liquidometer Corporation, The, assignee: *See*—
de Giers, Clarence A., and Edelman.

Lockheed Aircraft Corporation, assignee: *See*—
Price, Nathan C.
Simon, Eli, and Thomas.

Lock Joint Pipe Company, assignee: *See*—
Gurck, Arnoldus J.

Lohmar, Rolland L., Jr., Morton, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Phosphates of amylaceous polysaccharides. 2,575,352, Nov. 20.

Loikema, Jan, Hoogezand, and W. A. van der Meer, Haren, assignors to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Manufacturing starch solutions. 2,575,423, Nov. 20.

Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Variable-area nozzle for downstream end of jet pipe in jet propulsion units. 2,575,879, Nov. 20.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,575,880, Nov. 20.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,575,881, Nov. 20.

Lorenz, John: *See*—
Abrams, Victor R., and Lorenz.

Lornitzo, Frank C., Pawtucket, assignor to Pantex Manufacturing Corporation, Central Falls, R. I. Single unit hydraulic check. 2,575,389, Nov. 20.

Lorz, Emil: *See*—
Baitzly, Richard, and Lorz.

Loudenslager, Oscar W., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Locking device for castered airplane main landing wheels. 2,575,761, Nov. 20.

Lugt, Gerard J., Amsterdam, Netherlands, assignor to Werkspoor N. V. Internal-combustion engine. 2,575,633, Nov. 20.

Lundkvist, Karl A., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Connecting device at crossbar switch for selection of connecting links. 2,575,882, Nov. 20.

Lyon, Charles G., Winnipeg, Manitoba, Canada. Production of glazing strips. 2,575,669, Nov. 20.

Lyon, William B., Detroit, Mich. Display cabinet. 2,575,822, Nov. 20.

M and M Wood Working Company, assignee: *See*—
Thompson, Walter S.

Macaluso, Henry: *See*—
Zendzian, Frank V., and Macaluso.

MacClatchie, John W., Los Angeles, Calif. Pump piston. 2,576,025, Nov. 20.

MacEvoy, Warren J., South Orange, N. J. Apparatus for troweling or coating the interior surface of a conduit. 2,575,353, Nov. 20.

Mackay, Johnstone S., Old Greenwich, and J. R. Bower, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Graphite reaction tube liner for high-temperature melamine plant. 2,575,497, Nov. 20.

Mackay, Johnstone S., Old Greenwich, and W. P. Lawler, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of melamine. 2,575,498, Nov. 20.

MacLean, Allen D., assignor to H. K. Porter Company, Inc., Pittsburgh, Pa. Operating mechanism. 2,575,964, Nov. 20.

MacMahon, James D., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Preservation of milk by the use of water soluble chlorites. 2,575,670, Nov. 20.

Maincon, Maurice, Vendin le Vieil, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Production of lower aliphatic esters. 2,575,722, Nov. 20.

Malm, Royal D., assignor to Clayton Mark & Company, Evanston, Ill. Rigid joint between tubular structures. 2,575,965, Nov. 20.

Mandelburg, Benedict W., Scarsdale, N. Y. Vertical flue boiler. 2,575,723, Nov. 20.

Maney, Paul V.: *See*—
Jones, James W., and Maney.

Mank, Raymond A., Pittsburgh, Pa. Composite tire chain fastener. 2,575,966, Nov. 20.

Manow, Max S., Columbus, Ohio. Removable fibre glass filter. 2,575,499, Nov. 20.

Margolis, Joseph M.: *See*—
Froelich, Herman C., and Margolis.

Marien, Charles A., and F. D. Frisby, St. Louis, Mo., assignors, by mesne assignments, to Ramsey Corporation. Piston packing. 2,575,500, Nov. 20.

Markell, Charlotte, Bronx, N. Y. Lady's rubber overshoe with retaining strap. 2,575,762, Nov. 20.

Marshall, Allan, Whiting, Ind. Smoker's pipe cleaner. 2,575,634, Nov. 20.

Marx, Louis, & Company, Inc., assignee: *See*—
Carver, Richard N.

Masland, C. H., & Sons, assignee: *See*—
Carter, Robert E., and Hutchinson.

Masshard, John H.: *See*—
Ostertag, Harry M., and Masshard.

Mastercraft Foundations, Inc., assignee: *See*—
Niedermann, Fred.

Mastriani, Elvin A., Cedar Grove, N. J., and K. Kulczycki, Brooklyn, N. Y., assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Parallel motion. 2,575,456, Nov. 20.

Mateer, George D., Ardmore, Pa. Fire alarm. 2,575,883, Nov. 20.

Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice-operated signaling system. 2,575,910, Nov. 20.

Mathewson, Maxwell I., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Machine tool support assembly. 2,575,823, Nov. 20.

Mathieson Chemical Corporation, assignee: *See*—
MacMahon, James D.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of phosphoric acid catalyst on a precalcined silico-phosphoric acid base. 2,575,457, Nov. 20.

May, Cecil E., Sierra Madre, Calif. Spherical rotary conveyer type trap chamber dispenser. 2,575,967, Nov. 20.

May, Thomas T.: *See*—
Jeffrey, John, and May.

Maycock, Russel L., Oakland, and C. L. Dunn, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Producing and refining ethyl alcohol. 2,575,556, Nov. 20.

Maykuth, Daniel J.: *See*—
Jaffee, Robert I., Ogden and Maykuth.

Maynor, Eugene A., Chicago, Ill. Fuel injector for rocket devices. 2,575,824, Nov. 20.

Mayrath, Thomas L., Dayton, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind. Power transmission control mechanism. 2,575,884, Nov. 20.

Maytag Company, The, assignee: *See*—
Radlove, Sol B.
Smith, Thomas R.

McCallum, Archie H., R. C. Breckenridge, and J. B. Case, assignors to Sutliff & Case Co., Inc., Peoria, Ill. Movable machine mounting. 2,575,968, Nov. 20.

McCarty, Lourdes V.: *See*—
Pawelsky, Vernon R., McCarty, Biermann, and Dulak.

McClure, Glenn T.: *See*—
Cook, Earle S., McClure, and Rush.

McCreary, Harold J., Lombard, Ill. Hearing aid apparatus. 2,575,671, Nov. 20.

McDaniel, Boyce D.: *See*—
Higinbothan, William A., and McDaniel.

McFadden, John H., Maplewood, Mo. Method and apparatus for working railroad ballast. 2,575,390, Nov. 20.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,575,522, Nov. 20.

McGaffey, Edgar W.: *See*—
Taylor, Claude C., and McGaffey.

McGaffey-Taylor Corporation, assignee: *See*—
Taylor, Claude C., and McGaffey.

McGowan, Thomas R., Pittaburgh, assignor to The American Brake Company, Swissvale, Pa. Brake mechanism. 2,575,825, Nov. 20.

McGraw Electric Company, assignee: *See*—
Link, Edwin A.

McIntosh, A. Vern, Jr.: *See*—
Levin, Robert H., McIntosh, and Spero.

McIntosh, Ralph O., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Treating Kovar. 2,575,724, Nov. 20.

McKay, George W., Portland, Oreg. Combination table and shelves. 2,575,725, Nov. 20.

McKellops, Harry L., assignee: *See*—
Shaw, Walter H.

McMahan, Kenton D., Schenectady, and K. A. Darrow, Spraker, N. Y., assignors to General Electric Company. Method and apparatus for pumping volatile liquids. 2,575,923, Nov. 20.

McNamee, Raymond W.: *See*—
Guest, Howard R., and McNamee.

McNesby, James R.: *See*—
Kumins, Charles A., and McNesby.

Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic switch. 2,576,026, Nov. 20.

Means, John E., Seattle, Wash. Surgical cast. 2,576,027, Nov. 20.

Meeom, John W., Houston, Tex. Drilling tool. 2,575,826, Nov. 20.

Mellstrup, Emil E., Winston-Salem, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Detachable handle and socket for a dolly. 2,575,391, Nov. 20.

Mellen, Alice M., assignee: *See*—
Rogers, Harry, and Mellen.

Mellen, William F.: *See*—
Rogers, Harry, and Mellen.

Menkin, Valy, Philadelphia, Pa. Producing therapeutic product. 2,575,763, Nov. 20.

Mercier, Jean, New York, N. Y. Relief valve. 2,575,969, Nov. 20.

Mercer John P.: *See*—
Williams, Ernest, Whitehead, and Mercer.

Merrill, Marcellus S., Denver, Colo. Auto-top carrier for skis, toboggans, and like articles. 2,575,458, Nov. 20.

Meuleau, Charles: *See*—
Bruzau, Marie, and Meuleau.

Meyer, Geo. J., Manufacturing Co., assignee: *See*—
Meyer, George T., and Dreher.

Meyer, George T., and O. Dreher, Milwaukee, assignors to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Rotary brush. 2,575,635, Nov. 20.

Michel, Benjamin F., Spokane, Wash. Cigarette crusher and container. 2,575,557, Nov. 20.

Miklic, Louis, Birmingham, Ala. Spring bending machine. 2,575,827, Nov. 20.

Miller, Abe, Detroit, Mich. Drying laundry. 2,575,672, Nov. 20.

Miller, Harry C., Fairfax, Va. Permutation lock. 2,575,674, Nov. 20.

Miller, Herman, Detroit, Mich. Washing machine of the cylindrical container, end discharge type. 2,575,673, Nov. 20.

Miller Manufacturing Co., assignee: *See*—
Warren, Wesley S.

Mills, Lindley E., Kalamazoo, Mich. Flexible measuring tape and case therefor. 2,575,354, Nov. 20.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Miner, William B., assignor to Ace Art Company, Reading, Mass. Corner mount and method and machine for making the same. 2,575,924, Nov. 20.

Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, The, assignee: *See*—
Parkinson, Geoffrey B.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wannamaker, William H., Jr.
Wolff, Emanuel.

Minneapolis-Moline Company, assignee: *See*—
Evans, Thomas.
Stutzke, Robert E.

Mitchell, Allan D., Detroit, Mich. Key container. 2,575,424, Nov. 20.

Mitchell, Reginald P., Fort Worth, Tex. Movably mounted food support. 2,576,028, Nov. 20.

Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Impact tool. 2,575,523, Nov. 20.

Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Rotary tool. 2,575,524, Nov. 20.

Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Power operated screw stick screw driver. 2,575,525, Nov. 20.

Mittendorf, Harvey C., East Orange, N. J., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Steam superheat control by automatic and extended-range means. 2,575,885, Nov. 20.

Moe, Owen A.: *See*—
Warner, Donald T., and Moe.

Mohr, Milton E., Los Angeles, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device. 2,576,029, Nov. 20.

Monsanto Chemical Company, assignee: *See*—
Colwell, Robert E.

Moore, Norman Y.: *See*—
Griffin, Roger L., and Moore.

Morgan Construction Company, assignee: *See*—
Beaman, Phineas A., and North.
O'Malley, Joseph M.

Morgan, Marcil G., Nashville, Tenn. Foam maker for cleaners. 2,575,675, Nov. 20.

Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Closing mechanism for bottom-dump wagons. 2,575,355, Nov. 20.

Morner, Hans G., New York, N. Y. Air-filled upholstery and manufacture. 2,575,764, Nov. 20.

Morrell, Charles E., Westfield, and R. F. Robey, Cranford, N. J., assignors to Standard Oil Development Company. Distillation of carbonyl compounds from alcohols. 2,576,030, Nov. 20.

Morris, William C., Sharon Hill, Pa., assignor to General Electric Company. Dual potential unbalance responsive device. 2,575,925, Nov. 20.

Morrison, John F.: *See*—
Doherty, William H., Morrison, and Younker.

Morrison, Peter R.: *See*—
Ferry, John D., and Morrison.

Morway, Arnold J., Rahway, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. Lubricating grease containing soaps of tall oil. 2,576,031, Nov. 20.

Morway, Arnold J., Clark Township, Union County, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating grease. 2,576,032, Nov. 20.

Morway, Arnold J., Rahway, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. Preparing high-temperature lubricating greases. 2,576,033, Nov. 20.

Moscowitz, Abraham: *See*—
Silverman, Isador, and Moscowitz.

Moten, William T., Pittsburgh, Pa. Weather strip structure for doors. 2,575,459, Nov. 20.

Muench, Carl G., Glenview, Ill. Mobile mechanically propelled sprinkler. 2,575,828, Nov. 20.

Mullinix, Gird E., South Gate, assignor to Byron Jackson Co., Vernon, Calif. Pipe slip actuator. 2,575,356, Nov. 20.

Murray, James S., Tampa, Fla. Sleep inhibitor for motor vehicle operators. 2,575,926, Nov. 20.

Myers, George F., New York, N. Y. Helicopter antitorque mechanism. 2,575,886, Nov. 20.

Myers, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic dehydrogenation of paraffins. 2,576,034, Nov. 20.

Myers, Latimer D., assignor to Emery Industries, Inc., Cincinnati, Ohio. Separating fatty acids. 2,575,526, Nov. 20.

Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, assignee: *See*—
Lolkema, Jan, and van der Meer.

Nabstedt, Arthur T., Hamden, and J. O. Berndtson, Short Beach, assignors to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Fluid pressure released clutch. 2,575,765, Nov. 20.

Nachtman, John S., Youngstown, Ohio. Method and apparatus for continuous strip metal treatment. 2,576,074, Nov. 20.

Nagel, William J., Bethesda, Md. Physically enlarging a photographic color transparency. 2,575,970, Nov. 20.

Naps, Marguerite, Oakland, and F. E. Condo, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Interpolymers of unsaturated nitriles. 2,576,075, Nov. 20.

Naps, Marguerite, Oakland, and F. E. Condo, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Copolymers of unsaturated nitriles. 2,576,076, Nov. 20.

National Cash Register Company, The, assignee: *See*—
Compton, Justin S., and Kilheffer.

Navarro, Eugene M., New York, N. Y. Milk bottle holder. 2,575,971, Nov. 20.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Hereford, Frank L., Jr., and Whitehead.
Perry, Thomas M.
Washburn, Clayton A.
Wolf, James M.

Neal, Earl S., San Mateo, Calif. Toilet bowl deodorant dispenser. 2,575,676, Nov. 20.

Neldt, Anthony E., assignee: *See*—
Germer, Walter E.

Neldt, George E., assignee: *See*—
Germer, Walter E.

Nelson, Arvid M.: *See*—
Santini, Danilo, Nelson, and Suozzo.

Nelson, Harry W., Arlington, N. J. Plastic hypodermic syringe. 2,575,425, Nov. 20.

Nelson, Oscar E., Detroit, Mich. Door latch. 2,575,972, Nov. 20.

Netherwood, Paul H.: *See*—
Robinson, Preston, and Netherwood.

Neu, Edward A., Jr., assignor to Reaction Motors, Inc., Rockaway, N. J. Pump discharge valve. 2,575,677, Nov. 20.

Nevada Leasehold Corporation, assignee: *See*—
Hall, Jesse E.

Newey, Herbert A., Richmond, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Glycidyl ether compositions and using same. 2,575,558, Nov. 20.

Newman, Charles E., Oskaloosa, Iowa. Machine for checking oiling systems of automobile truck and tractor engines. 2,576,035, Nov. 20.

New York Air Brake Company, The, assignee: *See*—
Alger, Martin J., Jr.

Nichols, Harry J., New York, N. Y. Remote control and answer-back system. 2,575,357, Nov. 20.

Niedermann, Fred, Rockville Centre, assignor to Mastercraft Foundations, Inc., New York, N. Y. Girdle or the like. 2,575,460, Nov. 20.

Nitchie, Charles D., Haddonfield, assignor to Samuel M. Langston Co., Camden, N. J. Box blank taping machine. 2,575,887, Nov. 20.

Nixon, Lawrence J., Pittsburgh, Pa. Ingot holder. 2,575,829, Nov. 20.

Nordberg Manufacturing Co., assignee: *See*—
Talboys, Henry H., and Erickson.

North, Thomas C., assignor to Universal Fittings & Scaffolding Company, Zelienople, Pa. Adjustable scaffold base. 2,575,461, Nov. 20.

North, John R.: *See*—
Beaman, Phineas A., and North.

Northrop Aircraft, Inc., assignee: *See*—
Hagen, Glenn E.
Sears, William R.
Stoughton, Ivan R.
Williamson, Loyal A., Jr., and Byrne.

Norton, Douglas G.: *See*—
Smith, Curtis W., and Norton.

Nuckolls, Richard G., Grinnell, Iowa. Audio level indicator. 2,575,358, Nov. 20.

Nu-Craft Products Co., assignee: *See*—
Kautzmann, Harry L., and Berardi.

Nugey, Anthony L., Rahway, N. J. Apparatus for curing building blocks. 2,575,462, Nov. 20.

Nyquist, Arthur S.: *See*—
Kropa, Edward L., Craig, and Nyquist.

Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Two-way plow. 2,575,527, Nov. 20.

Ogden, Horace R.: *See*—
Jaffee, Robert I., Ogden, and Maykuth.

Ogilvie, James, Buffalo, N. Y., and G. Genta, Hillside, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparing leuco sulfuric acid esters of vat dyestuffs and salts thereof. 2,575,463, Nov. 20.

Olson, Clarence L., San Francisco, Calif. Method and apparatus for forming sleepers in building construction. 2,575,678, Nov. 20.

Olson, John J., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Valve. 2,575,464, Nov. 20.

Olson, Clarence O., assignor to Spin-Dex, Inc., Chicago, Ill. Rotary file. 2,575,766, Nov. 20.

O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Thrust bearing. 2,575,830, Nov. 20.

Ordnance Gauge Company, The, assignee: *See*—
Sirmay, Julius.

Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car truck bolster. 2,575,888, Nov. 20.

Orrgies, Raymond C., Homewood, Ill., assignor to Whiting Corporation. Vertical gas scrubber. 2,575,359, Nov. 20.

Ostertag, Harry M., Drexel Hill, and J. H. Massahard, assignors to Scott Paper Company, Chester, Pa. Yankee drier. 2,576,036, Nov. 20.

Oswego Falls Corporation, assignee: *See*—
Wilcox, Isaac L.

Otrhalek, Joseph V.: *See*—
Bacon, Leslie R., and Otrhalek.

Oulianoff, George, Rimington, near Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Burner assembly for the combustion chambers of internal-combustion turbines. 2,575,889, Nov. 20.

Outland, Harold E.: *See*—
Bullock, Edward A., and Outland.

Overbeke, John W., Cleveland, Ohio. Hydraulic fluid mechanism. 2,575,528, Nov. 20.

Ozarowski, Walter P., Devon, Conn. Windshield wiper. 2,576,077, Nov. 20.

Packard Motor Car Company, assignee: *See*—
McFarland, Forest R.

Pan American Refining Corporation, assignee: *See*—
Lee, Robert J., and Drennan.

Pangborn Corporation, assignee: *See*—
Gladfelter, Wiltie I., and Garver.

Pantex Manufacturing Corporation, assignee: *See*—
Lornitzo, Frank C.

Parke, Davis & Company, assignee: *See*—
Bogin, Herman H.

Parker Industrial Products, Inc., assignee: *See*—
Hall, Jesse E.

Parker, Robert P., Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Sulfonyl fluorides of amino azo dyestuffs. 2,576,037, Nov. 20.

Parkhurst, Cecil B., Grayville, Ill. Ventilator. 2,575,679, Nov. 20.

Parkinson, Geoffrey B., Washington, D. C., assignor to The Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Impulse generating system. 2,575,559, Nov. 20.

Parnell, James L., assignor to American Machinery Corporation, Orlando, Fla. Method of and apparatus for treating edible produce. 2,575,426, Nov. 20.

Parsons, Allison, assignee: *See*—
Schum, Ralph C.

Partridge, William A.: *See*—
Howes, Donald A., Tait, Docksey, Birch, and Partridge.

Parvin, William R., New York, N. Y. Safe deposit box identifying means. 2,575,767, Nov. 20.

Pascoe, Frank T., Carnegie, and A. L. Jerome, Edgewood, Pa., assignors to Westinghouse Air Brake Company. Centralized traffic control system for the code control of interlocked switches and signals. 2,576,038, Nov. 20.

Patch, William M., Santa Ana, Calif. Circulatory supply and drainage system for bathtubs. 2,575,636, Nov. 20.

Patton, John W., Philadelphia, Pa., assignor to American Car and Foundry Company, New York, N. Y. Locking device for sliding doors. 2,575,465, Nov. 20.

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Drive mechanism for vehicles and connected implements. 2,575,466, Nov. 20.

Pavlock, Edward T., Detroit, Mich. Treatment of metal-working tools. 2,575,427, Nov. 20.

Pawelsky, Vernon R., L. V. McCarty, W. A. Biermann, and J. T. Dulak, Milwaukee County, Wis., assignors to A P Controls Corporation. Liquid flow control device. 2,575,560, Nov. 20.

Payne, Claude, Bicknell, Ind. Pickup implement. 2,575,561, Nov. 20.

Pearce, William L., Houston, Tex., Drill pipe support. 2,575,831, Nov. 20.

Pearsall, Harold C., Houston, Tex. Skimmer. 2,575,768, Nov. 20.

Peck, David B., Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Hermetically sealed adjustable device. 2,575,726, Nov. 20.

Peery, John C., Milwaukie, Oreg. Collapsible stand. 2,575,593, Nov. 20.

Pelton, Earl L., assignor to The Dow Chemical Company, Midland, Mich. Preparation of 2-(2-cycloalkenyl) cycloalkanols. 2,576,078, Nov. 20.

Pennsylvania Crusher Company, assignee: *See*—
Borton, George W.

Pennsylvania Transformer Company, assignee: *See*—
Zimsky, John J.

Perfect Circle Corporation, assignee: *See*—
Brenneke, Arthur M.

Perkins, Corles M., Sr., Rutherford, N. J., and A. Bennett, Bronx, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic approach control system. 2,575,890, Nov. 20.

Perry, Thomas M., Bennington, Vt., assignor to the United States of America as represented by the Secretary of the Navy. Tangential acceleration gauge. 2,575,973, Nov. 20.

Perry, Vernon L., Minneapolis, Minn. Bobber for fish lines. 2,575,832, Nov. 20.

Person, Sterner, assignee: *See*—
Carlson, Axel S.

Pestarini, Joseph M., New York, N. Y. Direct-current power system. 2,575,637, Nov. 20.

Petch, Herbert S., Edgware, assignor to Elliott Brothers (London) Limited, London, England. Live line detector. 2,575,680, Nov. 20.

Peters, Carl E., University City, and D. W. Rau, Kirkwood, Mo., assignors to Vickers, Incorporated. Annealing a selenium coating. 2,575,392, Nov. 20.

Peters, Garrett H., assignor to Rhinelander Paper Company, Rhinelander, Wis. Coating glassine. 2,575,727, Nov. 20.

Peters, Jerry M., Walker, Mo. Crutch. 2,575,681, Nov. 20.

Peterson, Lisa C., Chatham, and R. K. Potter, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam tube filter. 2,575,393, Nov. 20.

Peterson, Vincent C. J., Forty Fort, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Braided eye for sling. 2,575,974, Nov. 20.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal meter, including variable positioning means for active elements. 2,575,728, Nov. 20.

Pfau, Julius H., Yonkers, and L. W. Rainard, Nyack, N. Y., assignors to Alexander Smith, Incorporated. Crimping textile fibers. 2,575,833, Nov. 20.

Pfau, Julius H., Yonkers, N. Y., assignor to Alexander Smith, Incorporated. Knife support for Axminster looms. 2,575,834, Nov. 20.

Pfeiffer, Franz, Innsbruck, assignor to D. Swarovski Glasfabrik und Tyrolit Schleifmittel-Werke, Wattens, Tirol, Austria. Boron carbide material and making same. 2,575,927, Nov. 20.

Philco Corporation, assignee: *See*—
Schweiss, Walter W., and Gratzner.

Phillips Petroleum Company, assignee: *See*—
Myers, John W.
Scarth, Virgil.
Weber, Louis J.

Piekarski, Stefan, Mragowo, Poland. Keyboard for typewriters. 2,576,039, Nov. 20.

Pierce, John R., Miliburn, N. J., C. E. Shannon, New York, N. Y., and J. W. Tukey, Princeton, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device. 2,576,040, Nov. 20.

Pierce, John S., assignor to University of Richmond, Richmond, Va. Alkylaminoalkyl esters of aryl urethans. 2,576,079, Nov. 20.

Pitts, William A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Alignment device for measuring wheels. 2,576,041, Nov. 20.

Pittsburgh Consolidation Coal Company, assignee: *See*—
Davies, Caleb, Jr.

Plehn, Henry M., assignee: *See*—
Heiman, Harry.

Pohle, Eric, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Cathode-ray tube centering device. 2,575,835, Nov. 20.

Pohle, Eric, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Deflection plate. 2,575,836, Nov. 20.

Polaroid Corporation, assignee: *See*—
Cooper, Dexter P., Jr.
Grey, David S.
Land, Edwin H.

Porter, H. K., Company, Inc., assignee: *See*—
MacLean, Allen D.

Potter, Ralph K.: *See*—
Davis, Kingsbury H., and Potter.
Peterson, Lisa C., and Potter.

Pressler, Ralph B., assignor to Bowser, Inc., Fort Wayne, Ind. Hydraulic register resetting apparatus. 2,575,562, Nov. 20.

Preston, Thomas, Stratford, Conn., assignor to General Electric Company. Motor speed governor. 2,575,928, Nov. 20.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission control mechanism. 2,575,891, Nov. 20.

Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Reaction propulsion aircraft power plant having independently rotating compressor and turbine blading stages. 2,575,682, Nov. 20.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Intercooler and control system for turbo power plants. 2,575,683, Nov. 20.

Price, Peter F., Kalamazoo, Mich. Cucumber harvester. 2,575,638, Nov. 20.

Prupis, Robert L., Irvington, assignor to Conmar Products Corporation, Newark, N. J. Quick disassembly slide fastener. 2,575,502, Nov. 20.

Public Service Coordinated Transport, assignee: *See*—
Kautzmann, George L., and Griffith.

Punch Engineering Pty. Limited, assignee: *See*—
Skillman, Thomas S.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Magnetic fluid torque and force transmitting device. 2,575,360, Nov. 20.

Radakovich, Archie, Kelso, Wash. Ditching and loading device. 2,575,729, Nov. 20.

Radio Corporation of America, assignee: *See*—
Gossick, Ben R.
Rajchman, Jan A., and Weimer.
Weimer, Paul K.
York, Raymond A., and Taylor.

Radlove, Sol B., assignor to The Maytag Company, Newton, Iowa. Improvement of vegetable drying and semi-drying oils. 2,575,529, Nov. 20.

Rainard, Leo W.: *See*—
Pfau, Julius H., and Rainard.

Rainard, Leo W., Nyack, N. Y., assignor to Alexander Smith, Incorporated. Treating proteinaceous fibers. 2,575,837, Nov. 20.

Rainard, Leo W., Nyack, N. Y., assignor to Alexander Smith, Incorporated. Crimping proteinaceous fibers. 2,575,838, Nov. 20.

Rainard, Leo W., Nyack, N. Y., assignor to Alexander Smith, Incorporated. Crimping uncrosslinked fibers. 2,575,839, Nov. 20.

Rajchman, Jan A., and P. K. Weimer, Princeton, N. J., assignors to Radio Corporation of America. Detection of ions. 2,575,769, Nov. 20.

Ramsey Corporation, assignee: *See*—
Marien, Charles A., and Frisby.

Rapp, Howard B., assignor to Towner Manufacturing Co., Santa Ana, Calif. Control system for wheeled mechanical-lift implements. 2,575,563, Nov. 20.

Rau, David W.: *See*—
Peters, Carl E., and Rau.

Rawlins, Herbert L.: *See*—
Sandin, Jerome, and Rawlins.
Wallace, James M., Rawlins, Cumming, and Aspey.

Reaction Motors, Inc., assignee: *See*—
Neu, Edward A., Jr.

Reeder, George S.: *See*—
Schulman, Earl L., and Reeder.

Reichel, Frank H., and C. L. Harder, Fredericksburg, Va., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Process and apparatus for stuffing casings. 2,575,467, Nov. 20.

Reid, Robert B., Grosse Pointe, Mich. Wall cabinet. 2,575,530, Nov. 20.

Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Cigarette lighter. 2,576,042, Nov. 20.

Reiner, Kenneth, Los Angeles, Calif. Gang nut retainer assembly. 2,575,594, Nov. 20.

Reiner, Robert, Inc., assignee: *See*—
Lambach, Fritz.

Reinhardt, Joseph A.: *See*—
Chace, Thomas B., and Reinhardt.

Reip, Frank A., Brooklyn, N. Y. Gauge rod wiper. 2,575,361, Nov. 20.

Remington Arms Company, Inc., assignee: *See*—
Jaffee, Robert I., Ogden, and Maykuth.

Rendel, George H., Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for detecting and marking pin holes. 2,576,043, Nov. 20.

Research Corporation, assignee: *See*—
Ferry, John D., and Morrison.

Rettinger, Frederick S., Battle Creek, assignor to Caro Manufacturing Co., Caro, Mich. Tow bar. 2,575,596, Nov. 20.

Rhinelander Paper Company, assignee: *See*—
Peters, Garrett H.

Rice, Philip K., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Reciprocating piston and cylinder mechanism. 2,575,394, Nov. 20.

Richman, Samuel L., White Plains, and A. Fitchman, Yonkers, assignors to Sonotone Corporation, Elmsford, N. Y. Rheostat. 2,576,044, Nov. 20.

Rider, Harry N., assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Fire extinguishing foam system with deluge valve control. 2,575,468, Nov. 20.

Rider, Harry N., assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic deluge valve. 2,575,469, Nov. 20.

Rienecker, Fred, San Francisco, Calif. Tool for positioning a stud on a sill. 2,575,595, Nov. 20.

Riley Stoker Corporation, assignee: *See*—
Johnson, Oscar A.

Rinkel, Silas, Bismarck, N. Dak. Motor lift attachment. 2,575,564, Nov. 20.

Robbins, James S., Highland Park, Ill. Rock drill. 2,575,975, Nov. 20.

Roberts, Benjamin K., Austin, Minn., and C. E. Enger, Los Angeles, Calif., said Enger assignor to Roberts Products Incorporated, Austin, Minn. Apparatus for producing substantially clear ice bodies. 2,575,892, Nov. 20.

Roberts Products Incorporated, assignee: *See*—
Roberts, Benjamin K., and Enger.

Robey, Richard F.: *See*—
Morrell, Charles E., and Robey.

Robinette, Willard C., South Pasadena, Calif. Variable-speed motor and servo mechanism. 2,575,362, Nov. 20.

Robinson, Preston, Williamstown, and P. H. Netherwood, assignors to Sprague Electric Company, North Adams, Mass. Insulated electrical conductor. 2,576,045, Nov. 20.

Rock, Arthur F., assignor to General Dry Batteries, Inc., Lakewood, Ohio. Soldering connector of dry batteries. 2,575,976, Nov. 20.

Roesholm, Elizabeth, Bronx, N. Y. Perpetual calendar. 2,575,929, Nov. 20.

Rogers, Harry, Bakersfield, and W. F. Mellen, said Mellen assignor to A. M. Mellen, Whittier, Calif. Automatic two-way plow. 2,575,428, Nov. 20.

Rogers, Harry, Bakersfield, and W. F. Mellen, said Mellen assignor to A. M. Mellen, Whittier, Calif. Four-bottom two-way plow. 2,575,429, Nov. 20.

Rolls-Royce Limited, assignee: *See*—
Dazeley, Walter E.
Lombard, Adrian A.
Oulianoff, George.

Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Nesting kitchen canister set. 2,575,770, Nov. 20.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Trolley conveyer drive. 2,575,684, Nov. 20.

Rosenbaum, Harry S., Baltimore, Md. Cord lock for Venetian blinds. 2,575,395, Nov. 20.

Rosenkranz, George, and S. Kaufmann, assignors to Syntex, S. A., Mexico City, Mexico. Cyclopentanophenanthrene derivatives and process. 2,575,840, Nov. 20.

Rösli, Jacques, assignor to APA Prospekt A-G., Zurich, Switzerland. Drying cap. 2,575,841, Nov. 20.

Rowe, Martin L.: *See*—
Vining, Willard F., and Rowe.

Rudeforth, Stanley, North Wembley, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Selector switch having slow-acting relay in magnet circuit. 2,575,842, Nov. 20.

Rush, John W.: *See*—
Cook, Earle S., McClure, and Rush.

Russell, Arthur P., Maple Heights, Ohio, assignor to General Electric Company. Mount reshaping apparatus. 2,575,771, Nov. 20.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Bearing guard. 2,575,531, Nov. 20.

Salz, Robert, Hollywood, assignor to Highland Art Embroidery Company, Pasadena, Calif. Embroidery aid and frame. 2,575,470, Nov. 20.

Sandin, Jerome, Forest Hills, and H. L. Rawlins, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,575,730, Nov. 20.

Sands, Hillard J.: *See*—
Blanke, Nathan E., and Sands.

Sanford, Roy S., assignee: *See*—
Casler, Roger H.

Santa, Antonio, Turin, Italy. Elastic fastening means for spectacle lenses. 2,575,731, Nov. 20.

Santini, Danilo, Tenafly, and A. M. Nelson, Hilladale, and J. Suozzo, North Arlington, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Zoned elevator system. 2,575,732, Nov. 20.

Saunders-Roe Limited, assignee: *See*—
Hardy, Derek J.

Scarth, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Double-walled annular combustion chamber with turbine shaft air jacket. 2,576,046, Nov. 20.

Schaefer, Edward E., Oak Park, assignor to T. Efron, Chicago, Ill. Tape-supporting bracket for Venetian blinds. 2,575,977, Nov. 20.

Schaffert, Roland M., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Method and apparatus for printing electrically. 2,576,047, Nov. 20.

Scheidecker, Wayne C., Lake View, Iowa. Potato masher and whipper. 2,575,978, Nov. 20.

Schenk, Adelbert J., Huntington Woods, assignor to Jervis B. Webb Company, Detroit, Mich. Trolley propelling device for conveyer systems. 2,575,396, Nov. 20.

Schenker, Eugene, Orlando, Fla. Rubber stamp. 2,575,772, Nov. 20.

Schmied, James W., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape storage mechanism. 2,575,397, Nov. 20.

Schoene, Dwight L.: *See*—
Harris, Walter D., and Schoene.

Schroeder, John, New York, N. Y. Diaphragm pump. 2,575,398, Nov. 20.

Schulman, Earl L., Swissvale, Pa., and G. S. Reeder, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flexible mica compositions. 2,575,733, Nov. 20.

Schulman, Earl L., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Press. 2,575,734, Nov. 20.

Schum, Ralph C., assignor of one-half to A. Parsons, Ironton, Ohio. Truck for handling cylinders of compressed gas or the like. 2,576,048, Nov. 20.

Schwalbe, Nils I., Akeslund, Stockholm, Sweden. Arrangement on roofs of vehicles, vessels, and buildings in order to facilitate the loading and unloading of goods. 2,575,565, Nov. 20.

Schwartz, Anthony M., Washington, D. C. Wheeled golf bag carrier. 2,575,930, Nov. 20.

Schweiss, Walter W., and R. I. Gratzner, assignors to Philco Corporation, Philadelphia, Pa. Vehicular antenna system. 2,575,471, Nov. 20.

Scott Paper Company, assignee: *See*—
Ostertag, Harry M., and Masshard.

Scranton, Charles J., and B. G. Elliott, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Auger-type feeding device for silage blowers. 2,575,639, Nov. 20.

Seaman, Norman R., Canal Fulton, Ohio. Collapsible heat-insulated container. 2,575,893, Nov. 20.

Seamless Products Co., Inc., assignee: *See*—
Andrews, George H.

Seamless Rubber Company, The, assignee: *See*—
Gow, Arthur R., and Crowley.

Sears, Roebuck and Co., assignee: *See*—
Janusz, Mitchell B.

Sears, William R., Inglewood, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane control device. 2,575,532, Nov. 20.

Segal, Hyman R., New York, N. Y. Key holder. 2,575,472, Nov. 20.

Seibel, Charles M., Wichita, Kans. Rotor blade mounting and control. 2,575,533, Nov. 20

Selas Corporation of America, assignee: *See*—
Furczyk, Alfons A.

Sellers, William D., assignee: *See*—
Cummins, Harry D.

Selseth, Forbie O., Minneapolis, Minn. Screw holding screw driver. 2,575,473, Nov. 20.

Semeyn, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Socket for an elongated tubular lamp having contact pins at its ends. 2,575,597, Nov. 20.

Semrow, Harry H., Chicago, Ill. Soap dish. 2,575,843, Nov. 20.

Sengebusch, Hans: *See*—
Graybill, Kenneth W., and Sengebusch.

Servanty, Lucien, assignor to Societe Nationale de Constructions Aeronautiques du Sud-Ouest (Societe Anonyme) Paris, France. Adjusting the effective exit cross-section of a nozzle or the like. 2,575,735, Nov. 20.

Seymour, George W., Maplewood, N. J., and M. Duke, Cumberland, Md., assignors to Celanese Corporation of America. Textile lubricant. 2,575,399, Nov. 20.

Shadgen, Victor C., New York, N. Y. Building structure. 2,575,474, Nov. 20.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Lubricating system for air motors. 2,575,640, Nov. 20.

Shaffer, Boyd L.: *See*—
Duke, Marshall, Hohing, and Shaffer.

Shand, Harold, Charlton, London, England. Extensible side support for sliding drawers and the like. 2,575,566, Nov. 20.

Shank, Harvey T., Toronto, Ontario, Canada. Conveyer idler. 2,575,598, Nov. 20.

Shannon, Claude E.: *See*—
Pierce, John R., Shannon, and Tukey.

Shapiro, Harold B., assignee: *See*—
Shaw, Walter H.

Shapiro, Hymin, Detroit, and E. G. De Witt, Ferndale, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of organolead compounds. 2,575,323, Nov. 20.

Shapiro, Joseph, assignee: *See*—
Heyman, Albert A.

Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Nickel-magnesia-zirconium silicate catalyst. 2,575,324, Nov. 20.

Sharples Chemicals Inc., assignee: *See*—
Tischler, Nathaniel.
Tischler, Nathaniel, and Bell.

Shaw, Walter H., assignor of 2 percent to H. L. McKellops, Miami, and 98 percent to H. B. Shapiro, Miami Beach, Fla. Feedback neutralization means for telephone systems. 2,575,844, Nov. 20.

Shell Development Company, assignee: *See*—
Bradley, Theodore F.
Kolvoort, Egbert C. H.
Maycock, Russell L., and Dunn.
Naps, Marguerite, and Condo.
Newey, Herbert A., and Shokal.
Smith, Curtis W., and Norton.

Sherwood, John H.: *See*—
Bullard, Robinson D., Sherwood, and Geist.

Shireman, John I., Hershey, Pa. Air circulating apparatus. 2,575,894, Nov. 20.

Shirk, Charles H.: *See*—
Shirk, William C., Jacobsen, Shirk, and Jacobsen.

Shirk, William C., J. A. Jacobsen, C. H. Shirk, and R. C. Jacobsen, Sioux Falls, S. Dak. Crankcase breather and oil filler pipe assembly. 2,575,400, Nov. 20.

Shockey, Glen, Chicago, Ill. Fish lure. 2,575,430, Nov. 20.

Shokal, Edward C.: *See*—
Newey, Herbert A., and Shokal.

Shott, Allen T., assignor to Bulcrank, Inc., Cincinnati, Ohio. Joint for tubular furniture frames. 2,576,049, Nov. 20.

Shugart, Ralph L., Warren, and A. H. Stromeier, Youngstown, Ohio. Adjustable length pipe coupling. 2,575,685, Nov. 20.

Silvercote Products, Inc., assignee: *See*—
Knudson, Warren A.

Silverman, Isador, Newark, and A. Moscowitz, Nutley, N. J., assignors to L. Sonneborn Sons, Inc. Concrete hardening compositions of the metal salt type. 2,575,599, Nov. 20.

Simmons, Granville T., Richmond, Va. Safety lock device. 2,575,401, Nov. 20.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Cutter chain. 2,575,980, Nov. 20.

Simmons, Marshall: *See*—
Ensey, Troy D., and Simmons.

Simon, Alfred, Lynbrook, and B. Hackman, Brooklyn, N. Y. Garment hanger construction and locking means therefor. 2,575,979, Nov. 20.

Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Heat- and flame-resistant resinous refractories. 2,575,686, Nov. 20.

Simon, Eli, Los Angeles, and F. W. Thomas, Burbank, assignors to Lockheed Aircraft Corporation, Los Angeles, Calif. Heat, flame, and fire resistant sealants. 2,575,687, Nov. 20.

Simoneaux, Nicole E., New Orleans, La. Convertible seat for automobiles or other vehicles. 2,575,773, Nov. 20.

Simons, Burton H., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic crystal oscillator. 2,575,363, Nov. 20.

Sinclair Refining Company, assignee: *See*—
Young, Hobert D.

Singer Manufacturing Company, The, assignee: *See*—
Langille, Wilfred O.

Singer, Otto, London, England. Traveling endless track. 2,575,845, Nov. 20.

Singer, Rockie M., North Topeka, Kans. Handy wagon for transporting heavy articles. 2,575,846, Nov. 20.

Sink, Robert L., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Capacitor. 2,575,364, Nov. 20.

Sirmay, Julius, assignor to The Ordnance Gauge Company, Philadelphia, Pa. Transfer needle. 2,575,365, Nov. 20.

Skillman, Thomas S., Mosman, assignor to Punch Engineering Pty. Limited, Commeray, neary Sydney, New South Wales, Australia. Storage system. 2,575,847, Nov. 20.

Suiter, Gerrit J., Amsterdam, Netherlands. Making fibrous products. 2,575,895, Nov. 20.

Smith, Alexander, Incorporated, assignee: *See*—
Barach, Joseph L.
Pfau, Julius H.
Pfau, Julius H., and Rainard.
Rainard, Leo W.
Taylor, Harold.

Smith, Curtis W., and D. G. Norton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Diesters of unsaturated dihydric alcohols and preparation of the same. 2,575,896, Nov. 20.

Smith, David J., Dallas, assignor to Varo Mfg. Co., Inc., Garland, Tex. Inverter. 2,575,600, Nov. 20.

Smith, Donald R., Clarksburg, W. Va. Wax carrier and applicator for embalmers. 2,575,431, Nov. 20.

Smith, Herbert E., assignor to Wau-Ke-Wan Thread Co., Inc., Manchester, N. H. Apparatus for finishing braided threads. 2,575,981, Nov. 20.

Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Isolating device. 2,575,931, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Fractionation column. 2,575,688, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Clothes-washing machine. 2,575,689, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Continuous flow, rotary, and inclined fractionating unit. 2,575,690, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Clothes-washing machine. 2,575,691, Nov. 20.

Smith, W. H., & Son Limited, assignee: *See*—
Lanegan, Frederick E.

Snow-Nabstedt Gear Corporation, The, assignee: *See*—
Nabstedt, Arthur T., and Berndtson.

Societe Nationale De Constructions Aeronautiques Du Sud-Quest (Societe Anonyme), assignee: *See*—
Servanty, Lucien.

Soden, Merle A., Anaheim, Calif. Milk temperature conditioning vessel. 2,576,050, Nov. 20.

Sohn, Jesse S., Succasunna, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Thermochemically cutting metals. 2,575,736, Nov. 20.

Sollmann, Carl H., Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Oxygen regulator. 2,575,366, Nov. 20.

Sonneborn, L., Sons, Inc., assignee: *See*—
Silverman, Isador, and Moscowitz.

Sonotone Corporation, assignee: *See*—
Richman, Samuel L., and Fitchman.

Sorensen & Company, Inc., assignee: *See*—
Bunblasky, Adolph.
Helterline, Leo L., Jr., Best, and Bunblasky.

South Bend Tool and Die Co., Inc., assignee: *See*—
Julian, Fredrick C.

Specialties Development Corporation, assignee: *See*—
Thomsen, William A. V.

Spero, George B.: *See*—
Levin, Robert H., McIntosh, and Spero.

Sperry Corporation, The, assignee: *See*—
Dodd, Coleman.

Spielman, Marvin A., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. N-methyl oxazolidine-2,4-diones. 2,575,692, Nov. 20.

Spielman, Marvin A., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. 3,5-dimethyl-5-ethyl-oxazolidine-2,4-dione. 2,575,693, Nov. 20.

Spielman, Marvin A., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. 3,5,5-trimethyl-oxazolidine-2,4-dione. 2,575,694, Nov. 20.

Spin-Dex, Inc., assignee: *See*—
Carlson, Walter O.
Olson, Clarence O.

Sporn, Philip: *See*—
Ambros, Eugene R., and Sporn.

Sprague Electric Company, assignee: *See*—
Peck, David B.
Robinson, Preston, and Netherwood.

Spühl, Julius, Saint Gallen, Switzerland. Apparatus for connecting coil springs. 2,575,774, Nov. 20.

Standard Oil Development Company, assignee: *See*—
Arundale, Erving, and Thorn.
Bartlett, Jeffrey H.
Morrell, Charles E., and Robey.
Morway, Arnold J., and Kolfenbach.
Morway, Arnold J., and Young.
Pitts, William A.

Stanley, Herbert M.: *See*—
Faulkner, Donald, Stanley, and Staudinger.

State of Iowa, for the use and benefit of the State University of Iowa, The, assignee: *See*—
Jones, James W., and Maney.

Staudinger, Johann J. P.: *See*—
Faulkner, Donald, Stanley, and Staudinger.

Staver, Edward F., Jackson Heights, N. Y. Guard for vacuum tubes. 2,575,601, Nov. 20.

Steel and Alloy Tank Company, assignee: *See*—
Kiessling, Edward A., Lake, and Stephensen.
Mastriani, Elvin A., and Kuiczycki.

Stemp, Frank R., New York, N. Y. Grapefruit cutting implement. 2,575,848, Nov. 20.

Stengel, Leonard A., and R. S. Egly, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Contact power reactor for vapor phase nitration. 2,575,855, Nov. 20.

Stephense, Frederik: *See*—
Kiessling, Edward A., Lake, and Stephensen.

Steven, Ray L., Los Angeles, Calif. Tire pressure indicator. 2,575,849, Nov. 20.

Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control mechanism. 2,575,982, Nov. 20.

Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control apparatus for engines. 2,575,983, Nov. 20.

Stichting Nederlandsch-Indisch Instituut Voor Rubberonderzoek, assignee: *See*—
Homans, Lili N. S.

Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Universal joint of the jaw type. 2,575,602, Nov. 20.

Stoddard, Arvid C., Garden City, Mich. Jeweler's vise. 2,576,051, Nov. 20.

Stoughton, Ivan R., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Wing-tip fuel tank. 2,575,534, Nov. 20.

Stromeier, Alfred H.: *See*—
Shugart, Ralph L., and Stromeier.

Strong, John D., Baltimore, Md. Ruling engine. 2,575,367, Nov. 20.

Stutzke, Robert E., Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company. Safety overload clutch. 2,575,475, Nov. 20.

Summers, John, Chillicothe, Ohio. Cone grip lock nut. 2,575,641, Nov. 20.

Sundman, Gunnar E., Nacka, Sweden, assignor, by mesne assignments, to Almex, Inc. Selectable value ticket printing and registering machine. 2,575,897, Nov. 20.

Suozzo, John: *See*—
Santini, Danilo, Nelson, and Suozzo.

Supurdisplay, Incorporated, assignee: *See*—
Tamsen, Rudolf N.

Sutliff & Case Co., Inc., assignee: *See*—
McCallum, Archie H., Breckenridge, and Case.

Swank, Inc., assignee: *See*—
Howard, Viola T.

Swartz, George A., York, Pa. Cabinet. 2,575,567, Nov. 20.

Sweeney, Joseph H., Springfield, Tenn. Portable communion cabinet. 2,576,052, Nov. 20.

Swickard, Frank S., deceased, Denver, Colo.; L. J. Swickard, administratrix. Valve for air brake control. 2,575,850, Nov. 20.

Swickard, Laura J., administratrix: *See*—
Swickard, Frank S.

Swift & Company, assignee: *See*—
Brouer, Orville A.

Sylvania Electric Products, Inc., assignee: *See*—
Haas, Paul.

Sylvanus, August R., San Francisco, Calif. Pleat former and holder. 2,575,642, Nov. 20.

Syntex, S. A., assignee: *See*—
Rosenkrans, George, and Kaufmann.

Tadinger, Paul, assignor to O. L. Ladner, Vienna, Austria. Padding for packings and manufacturing the same. 2,575,898, Nov. 20.

Tait, Thomas: *See*—
Howes, Donald A., Tait, Docksey, Birch, and Patridge.

Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Spike hammer. 2,575,535, Nov. 20.

Tamsen, Rudolf N., assignor to Supurdisplay, Incorporated, Milwaukee, Wis. Popcorn warmer. 2,575,643, Nov. 20.

Tancred, William L., assignor to Jones & Lamson Machine Company, Springfield, Vt. Grinding wheel truing mechanism. 2,575,984, Nov. 20.

Taylor, Charles H.: *See*—
York, Raymond A., and Taylor.

Taylor, Claude C., Long Beach, and E. W. McGaffey, Olildale, assignors to McGaffey-Taylor Corporation, Long Beach, Calif. Cementing tool. 2,575,603, Nov. 20.

Taylor, Hamilton D., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine rotor and winding. 2,575,932, Nov. 20.

Taylor, Harold, Trenton, N. J., assignor to Alexander Smith, Incorporated. Making carpet underlay. 2,575,851, Nov. 20.

Taylor, William H.: *See*—
Jorgensen, Clarence H., and Taylor.

Technical Service Incorporated, assignee: *See*—
Bullock, Edward A., and Outland.

Teeters, Wilbur O., Norwood, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Diaphragm valve. 2,575,775, Nov. 20.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Lundkvist, Karl A.

Thomas, Frank W.: *See*—
Simon, Eli, and Thomas.

Thomas, Orrin H., Williamsport, and R. Elton, Shenandoah, Pa. Battery terminal connector. 2,575,644, Nov. 20.

Thomsen, William A. V., Glen Ridge, assignor to Specialties Development Corporation, Bellville, N. J. Gun charger. 2,575,368, Nov. 20.

Thompson, Eugene K., Tecumseh, Mich. Farm seeder. 2,575,985, Nov. 20.

Thompson, Morris J., Beverly Hills, Calif. Dental tray. 2,575,432, Nov. 20.

Thompson, Walter S., assignor to M and M Wood Working Company, Portland, Oreg. High-frequency heating. 2,575,604, Nov. 20.

Thompson, William D., San Diego, Calif. Plural film camera. 2,575,536, Nov. 20.

Thomson, Peter, Wilmington, Del. Collapsible stand for supporting hods and the like. 2,575,645, Nov. 20.

Thorn, John P.: *See*—
Arundale, Erving, and Thorn.

Thorne, Wroten A., Eastwood Hills, Mo. Detachable visor for automobiles. 2,575,933, Nov. 20.

Thornton-Trump, Walter E., Oliver, British Columbia, Canada. Tractor mounted reciprocating mower. 2,575,369, Nov. 20.

Tillotson, Le Roy C.: *See*—
Friis, Harald T., Lewis, and Tillotson.

Times Facsimile Corporation, assignee: *See*—
Cooley, Austin G.

Timmerman, Julius W., Jr., Waukesha, Wis., assignor to General Electric Company. Automatic valve controlling mechanism for electric circuit breakers. 2,575,934, Nov. 20.

Tischler, Nathaniel, Palmyra, N. J., and E. P. Bell, Grosse Ile, Mich., assignors to Sharples Chemicals Inc. Plant growth regulation. 2,576,080, Nov. 20.

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Toner, James E. J., assignor to Bethlehem Foundry and Machine Company, Bethlehem, Pa. Furnace baffle construction and arrangement. 2,576,053, Nov. 20.

Topanelian, Edward, Jr., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Centrifugal gas-liquid separator. 2,575,568, Nov. 20.

Towner Manufacturing Co., assignee: *See*—
Rapp, Howard B.

Townsend, Mark A., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gaseous discharge device. 2,575,370, Nov. 20.

Townsend, Mark A., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gaseous discharge device. 2,575,371, Nov. 20.

Townsend, Mark A., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gaseous discharge device. 2,575,372, Nov. 20.

Transcontinental Television, Inc., assignee: *See*—
Baltin, William H., and Batcher.

Tremblay, Bernard G.: *See*—
Grissinger, George G., and Tremblay.

Trevitt, John H., assignor to Dictaphone Corporation, Bridgeport, Conn. Speed control system for capacitor motors. 2,576,084, Nov. 20.

Trico Products Corporation, assignee: *See*—
Horton, Erwin C.

Trowbridge, Dale G., Stamford, Conn. Bobber. 2,575,852, Nov. 20.

Truitt, Joseph A., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Twisting and winding machine drive system. 2,575,476, Nov. 20.

Truk-Step Company, Inc., assignee: *See*—
Crump, Woodford J.

Trumfio, Harry A., Chicago, Ill. Combination carrying case and stand for portable machines. 2,575,537, Nov. 20.

Tuft, Miles H., Huntington Park, Calif., assignor to Deere Manufacturing Co. Baling press with extensible and resilient needle driving means. 2,575,538, Nov. 20.

Tukey, John W.: *See*—
Pierce, John R., Shannon, and Tukey.

Tung-Sol Lamp Works, Inc., assignee: *See*—
Braunsdorff, Reginald K.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing loom. 2,575,853, Nov. 20.

Turnham, Fitzhugh H.: *See*—
Gilliland, William H., and Turnham.

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USCO Power Equipment Corp., assignee: *See*—
Gilliland, William H., and Turnham.

Ulrich, Frederick, Jersey City, assignor to Conmar Products Corporation, Newark, N. J. Quick disassembly slide fastener. 2,575,501, Nov. 20.

Ulrich, Lester J., assignor to Eastman Machine Company, Buffalo, N. Y. Base plate for cutting machines. 2,575,695, Nov. 20.

Ungh, Elgard M., Stockholm, Sweden. Violin support. 2,575,569, Nov. 20.

Union Carbide and Carbon Corporation, assignee: *See*—
Guest, Howard R., and McNamee.
Rice, Philip K.
Young, Donald M., F. G., and Guest.

Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O.
Imhoff, Donald H., and Berg.

Union Totalisator Company, Limited, The, assignee: *See*—
Handley, John.

United Aircraft Corporation, assignee: *See*—
Grimac, Theodore E.

United Shoe Machinery Corporation, assignee: *See*—
Ashley, Merwin F., and Fearing.
Bradley, Robert L.
Dixon, Paul H.
Eldred, Edwin C., Jr.
Henshaw, James N.
Woodman, Charles K.

United States Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Humphrey, Paul E.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Higinbotham, William A., and McDaniel.
Hoekstra, Henry R., and Katz.
Teeters, Wilbur O.

United States Rubber Company, assignee: *See*—
Bender, Byron W.
Davison, John A.
Dotzenroth, William H.
Foster, Boutwell H.
Harris, Walter D., and Schoene.

United States Steel Company, assignee: *See*—
Johnson, Fred H.
Rendel, George H.

Universal Fittings & Scaffolding Company, assignee: *See*—
North, Thomas C.

Universal Oil Products Company, assignee: *See*—
Mavity, Julian M.

University of Richmond, assignee: *See*—
Pierce, John S.

Upjohn Company, The, assignee: *See*—
Levin, Robert H.
Levin, Robert H., McIntosh, and Spero.

Up-Right, Inc., assignee: *See*—
Johnson, Wallace J. S.

Vancik, Henry F., Grandview, Wash. Calf weaner. 2,575,433, Nov. 20.

Vandercook, Juanita J., Portland, Oreg. Girdle. 2,575,605, Nov. 20.

Van der Meer, Willem A.: *See*—
Lolkema, Jan, and van der Meer.

Silverman, Isador, Newark, and A. Moscowitz, Nutley, N. J., assignors to L. Sonneborn Sons, Inc. Concrete hardening compositions of the metal salt type. 2,575,599, Nov. 20.

Simmons, Granville T., Richmond, Vå. Safety lock device. 2,575,401, Nov. 20.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Cutter chain. 2,575,980, Nov. 20.

Simmons, Marshall: *See*—
Ensey, Troy D., and Simmons.

Simon, Alfred, Lynbrook, and B. Hackman, Brooklyn, N. Y. Garment hanger construction and locking means therefor. 2,575,979, Nov. 20.

Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Heat- and flame-resistant resinous refractories. 2,575,686, Nov. 20.

Simon, Eli, Los Angeles, and F. W. Thomas, Burbank, assignors to Lockheed Aircraft Corporation, Los Angeles, Calif. Heat, flame, and fire resistant sealants. 2,575,687, Nov. 20.

Simoneaux, Nicole E., New Orleans, La. Convertible seat for automobiles or other vehicles. 2,575,773, Nov. 20.

Simons, Burton H., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic crystal oscillator. 2,575,363, Nov. 20.

Sinclair Refining Company, assignee: *See*—
Young, Hobert D.

Singer Manufacturing Company, The, assignee: *See*—
Langille, Wilfred O.

Singer, Otto, London, England. Traveling endless track. 2,575,845, Nov. 20.

Singer, Rockie M., North Topeka, Kans. Handy wagon for transporting heavy articles. 2,575,846, Nov. 20.

Sink, Robert L., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Capacitor. 2,575,364, Nov. 20.

Sirmay, Julius, assignor to The Ordnance Gauge Company, Philadelphia, Pa. Transfer needle. 2,575,365, Nov. 20.

Skillman, Thomas S., Mosman, assignor to Punch Engineering Pty. Limited, Commeray, neary Sydney, New South Wales, Australia. Storage system. 2,575,847, Nov. 20.

Sluiter, Gerrit J., Amsterdam, Netherlands. Making fibrous products. 2,575,895, Nov. 20.

Smith, Alexander, Incorporated, assignee: *See*—
Barach, Joseph L.
Pfau, Julius H.
Pfau, Julius H., and Rainard.
Rainard, Leo W.
Taylor, Harold.

Smith, Curtis W., and D. G. Norton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Diesters of unsaturated dihydric alcohols and preparation of the same. 2,575,896, Nov. 20.

Smith, David J., Dallas, assignor to Varo Mfg. Co., Inc., Garland, Tex. Inverter. 2,575,600, Nov. 20.

Smith, Donald R., Clarksburg, W. Va. Wax carrier and applicator for embalmers. 2,575,431, Nov. 20.

Smith, Herbert E., assignor to Wau-Ke-Wan Thread Co., Inc., Manchester, N. H. Apparatus for finishing braided threads. 2,575,981, Nov. 20.

Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Isolating device. 2,575,931, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Fractionation column. 2,575,688, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Clothes-washing machine. 2,575,689, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Continuous flow, rotary, and inclined fractionating unit. 2,575,690, Nov. 20.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Clothes-washing machine. 2,575,691, Nov. 20.

Smith, W. H., & Son Limited, assignee: *See*—
Lanegan, Frederick E.

Snow-Nabstedt Gear Corporation, The, assignee: *See*—
Nabstedt, Arthur T., and Berndtson.

Societe Nationale De Constructions Aeronautiques Du Sud-Quest (Societe Anonyme), assignee: *See*—
Servanty, Lucien.

Soden, Merle A., Anaheim, Calif. Milk temperature conditioning vessel. 2,576,050, Nov. 20.

Sohn, Jesse S., Succasunna, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Thermochemically cutting metals. 2,575,736, Nov. 20.

Sollmann, Carl H., Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Oxygen regulator. 2,575,366, Nov. 20.

Sonneborn, L., Sons, Inc., assignee: *See*—
Silverman, Isador, and Moscowitz.

Sonotone Corporation, assignee: *See*—
Richman, Samuel L., and Fitchman.

Sorensen & Company, Inc., assignee: *See*—
Bunblasky, Adolph.
Helterline, Leo L., Jr., Best, and Bunblasky.

South Bend Tool and Die Co., Inc., assignee: *See*—
Julian, Fredrick C.

Specialties Development Corporation, assignee: *See*—
Thomsen, William A. V.

Spero, George B.: *See*—
Levin, Robert H., McIntosh, and Spero.

Sperry Corporation, The, assignee: *See*—
Dodd, Coleman.

Spielman, Marvin A., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. N-methyl oxazolidine-2,4-diones. 2,575,692, Nov. 20.

Spielman, Marvin A., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. 3,5-dimethyl-5-ethyloxazolidine-2,4-dione. 2,575,693, Nov. 20.

Spielman, Marvin A., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. 3,5,5-trimethyloxazolidine-2,4-dione. 2,575,694, Nov. 20.

Spin-Dex, Inc., assignee: *See*—
Carlson, Walter O.
Olson, Clarence O.

Sporn, Philip: *See*—
Ambros, Eugene R., and Sporn.

Sprague Electric Company, assignee: *See*—
Peck, David B.
Robinson, Preston, and Netherwood.

Spühl, Julius, Saint Gallen, Switzerland. Apparatus for connecting coil springs. 2,575,774, Nov. 20.

Standard Oil Development Company, assignee: *See*—
Arundale, Erving, and Thorn.
Bartlett, Jeffrey H.
Morrell, Charles E., and Robey.
Morway, Arnold J., and Kolfenbach.
Morway, Arnold J., and Young.
Pitts, William A.

Stanley, Herbert M.: *See*—
Faulkner, Donald, Stanley, and Staudinger.

State of Iowa, for the use and benefit of the State University of Iowa, The, assignee: *See*—
Jones, James W., and Maney.

Staudinger, Johann J. P.: *See*—
Faulkner, Donald, Stanley, and Staudinger.

Staver, Edward F., Jackson Heights, N. Y. Guard for vacuum tubes. 2,575,601, Nov. 20.

Steel and Alloy Tank Company, assignee: *See*—
Kiessling, Edward A., Lake, and Stephensen.
Mastriani, Elvin A., and Kulczycki.

Stemp, Frank R., New York, N. Y. Grapefruit cutting implement. 2,575,848, Nov. 20.

Stengel, Leonard A., and R. S. Egly, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Contact power reactor for vapor phase nitration. 2,575,855, Nov. 20.

Stephense, Frederik: *See*—
Kiessling, Edward A., Lake, and Stephensen.

Steven, Ray L., Los Angeles, Calif. Tire pressure indicator. 2,575,849, Nov. 20.

Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control mechanism. 2,575,982, Nov. 20.

Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control apparatus for engines. 2,575,983, Nov. 20.

Stichting Nederlandsch-Indisch Instituut Voor Rubberonderzoek, assignee: *See*—
Homans, Lili N. S.

Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Universal joint of the jaw type. 2,575,602, Nov. 20.

Stoddard, Arvid C., Garden City, Mich. Jeweler's vise. 2,576,051, Nov. 20.

Stoughton, Ivan R., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Wing-tip fuel tank. 2,575,534, Nov. 20.

Stromeier, Alfred H.: *See*—
Shugart, Ralph L., and Stromeier.

Strong, John D., Baltimore, Md. Ruling engine. 2,575,367, Nov. 20.

Stutzke, Robert E., Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company. Safety overload clutch. 2,575,475, Nov. 20.

Summers, John, Chillicothe, Ohio. Cone grip lock nut. 2,575,641, Nov. 20.

Sundman, Gunnar E., Nacka, Sweden, assignor, by mesne assignments, to Almex, Inc. Selectable value ticket printing and registering machine. 2,575,897, Nov. 20.

Suozzo, John: *See*—
Santini, Danilo, Nelson, and Suozzo.

Supurdisplay, Incorporated, assignee: *See*—
Tamsen, Rudolf N.

Sutliff & Case Co., Inc., assignee: *See*—
McCallum, Archie H., Breckenridge, and Case.

Swank, Inc., assignee: *See*—
Howard, Viola T.

Swartz, George A., York, Pa. Cabinet. 2,575,567, Nov. 20.

Sweeney, Joseph H., Springfield, Tenn. Portable communion cabinet. 2,576,052, Nov. 20.

Swickard, Frank S., deceased, Denver, Colo.; L. J. Swickard, administratrix. Valve for air brake control. 2,575,850, Nov. 20.

Swickard, Laura J., administratrix: *See*—
Swickard, Frank S.

Swift & Company, assignee: *See*—
Brouer, Orville A.

Sylvania Electric Products, Inc., assignee: *See*—
Haas, Paul.

Sylvanus, August R., San Francisco, Calif. Pleat former and holder. 2,575,642, Nov. 20.

Syntex, S. A., assignee: *See*—
Rosenkranz, George, and Kaufmann.

Tadinger, Paul, assignor to O. L. Ladner, Vienna, Austria. Padding for packings and manufacturing the same. 2,575,898, Nov. 20.

Tait, Thomas: *See*—
Howes, Donald A., Tait, Docksey, Birch, and Patridge.

Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Spike hammer. 2,575,535, Nov. 20.

Tamsen, Rudolf N., assignor to Supurdisplay, Incorporated, Milwaukee, Wis. Popcorn warmer. 2,575,643, Nov. 20.

Tancred, William L., assignor to Jones & Lamson Machine Company, Springfield, Vt. Grinding wheel truing mechanism. 2,575,984, Nov. 20.

Taylor, Charles H.: *See*—
York, Raymond A., and Taylor.

Taylor, Claude C., Long Beach, and E. W. McGaffey, Olidale, assignors to McGaffey-Taylor Corporation, Long Beach, Calif. Cementing tool. 2,575,603, Nov. 20.

Taylor, Hamilton D., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine rotor and winding. 2,575,932, Nov. 20.

Taylor, Harold, Trenton, N. J., assignor to Alexander Smith, Incorporated. Making carpet underlay. 2,575,851, Nov. 20.

Taylor, William H.: *See*—
Jorgensen, Clarence H., and Taylor.

Technical Service Incorporated, assignee: *See*—
Bullock, Edward A., and Outland.

Teeters, Wilbur O., Norwood, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Diaphragm valve. 2,575,775, Nov. 20.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Lundkvist, Karl A.

Thomas, Frank W.: *See*—
Simon, Eli, and Thomas.

Thomas, Orrin H., Williamsport, and R. Elton, Shenandoah, Pa. Battery terminal connector. 2,575,644, Nov. 20.

Thomsen, William A. V., Glen Ridge, assignor to Specialties Development Corporation, Bellville, N. J. Gun charger. 2,575,368, Nov. 20.

Thompson, Eugene K., Tecumseh, Mich. Farm seeder. 2,575,985, Nov. 20.

Thompson, Morris J., Beverly Hills, Calif. Dental tray. 2,575,432, Nov. 20.

Thompson, Walter S., assignor to M and M Wood Working Company, Portland, Oreg. High-frequency heating. 2,575,604, Nov. 20.

Thompson, William D., San Diego, Calif. Plural film camera. 2,575,536, Nov. 20.

Thomson, Peter, Wilmington, Del. Collapsible stand for supporting hods and the like. 2,575,645, Nov. 20.

Thorn, John P.: *See*—
Arundale, Erving, and Thorn.

Thorne, Wroten A., Eastwood Hills, Mo. Detachable visor for automobiles. 2,575,933, Nov. 20.

Thornton-Trump, Walter E., Oliver, British Columbia, Canada. Tractor mounted reciprocating mower. 2,575,369, Nov. 20.

Tillotson, Le Roy C.: *See*—
Friis, Harald T., Lewis, and Tillotson.

Times Facsimile Corporation, assignee: *See*—
Cooley, Austin G.

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Eldred, Edwin C., Jr.
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Woodman, Charles K.

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Dotzenroth, William H.
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Vandercook, Juanita J., Portland, Oreg. Girdle. 2,575,605, Nov. 20.

Van der Meer, Willem A.: *See*—
Lolkema, Jan, and van der Meer.

Van Lare, Earl, and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Acyloxy polymethine dye intermediates. 2,575,373, Nov. 20.
Varo Mfg. Co., Inc., assignee: *See*—
Smith, David J.
Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash. 2,575,854, Nov. 20.
Vickers, Incorporated, assignee: *See*—
Kofron, Vernon K.
Peters, Carl E., and Rau.
Victor Manufacturing & Gasket Co., assignee: *See*—
Kosatka, Thomas O.
Viele, Sylvester M.: *See*—
Hofammann, Karl E., and Viele.
Vingerling, Samuel E., assignor to Vingerling's Machinefabriek N. V., Rotterdam, Netherlands. Machine for filling molds with liquid chocolate. 2,576,054, Nov. 20.
Vingerling's Machinefabriek N. V., assignee: *See*—
Vingerling, Samuel E.
Vining, Willard F., Chicago, and M. L. Rowe, Oak Park, Ill., assignors to Gerrard Steel Strapping Company. Automatic wire tying machine. 2,575,899, Nov. 20.
Vivian, Arthur C., assignor to Anglo-Iranian Oil Company Limited, London, England. Production of high-pressure pipes and vessels. 2,576,085, Nov. 20.
Vokes, Cecil G., assignor to Vokes, Limited, Guildford, England. Filter. 2,575,900, Nov. 20.
Vokes, Limited, assignee: *See*—
Vokes, Cecil G.
Von Soden, Adolph F., Los Angeles, Calif. Multiple sound recording and reproducing apparatus. 2,575,570, Nov. 20.
Vorwick, William S., Seattle, and D. W. Kennedy, Vashon Island, Wash. Refrigerated display and dispensing unit. 2,575,434, Nov. 20.
Wales, Nathaniel B., New York, N. Y., and N. B. Wales, Jr., Morristown, N. J., assignors to Industrial Patent Corporation, New York, N. Y. Vending machine. 2,575,606, Nov. 20.
Wales, Nathaniel B., Jr.: *See*—
Wales, Nathaniel B., and N. B., Jr.
Wallace, James M., East McKeesport, H. L. Rawlins, Swissvale, J. M. Cumming, and W. S. Aspey, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,575,739, Nov. 20.
Wallace, James M., East McKeesport, and J. K. Kraft, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,575,738, Nov. 20.
Wallace, James M., Jr.: *See*—
Cox, Fred W., and Wallace.
Wallin, Sven W., Jonkoping, assignor to A. B. Svenska Flaktfabriken, Stockholm, Sweden. Cyclone separator. 2,575,607, Nov. 20.
Walsh, Carrall H., Pine Bluff, Ark. Wire connector. 2,576,055, Nov. 20.
Walsh, Edward C., Oak Ridge, Tenn., assignor to Flakice Corporation, Brooklyn, N. Y. Ice-making machine. 2,575,374, Nov. 20.
Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Analyzing apparatus. 2,576,056, Nov. 20.
Ware, Paul, Pompton Plains, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Spiral tuning device. 2,575,856, Nov. 20.
Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Dialdehydo compounds. 2,575,375, Nov. 20.
Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Formyl cyclohexene nitriles and esters. 2,575,376, Nov. 20.
Warren, Wesley S., Ann Arbor, assignor to Miller Manufacturing Co., Detroit, Mich. Mechanic's support. 2,575,503, Nov. 20.
Warrington, Peirce E., El Cerrito, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,575,740, Nov. 20.
Washburn, Clayton A., Westwood, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Plan position indicator circuit. 2,576,057, Nov. 20.
Wau-Ke-Wan Thread Co., Inc., assignee: *See*—
Smith, Herbert E.
Way, Roy C., Tennessee, Ill. Timber-mowing saw attachment for farm tractors. 2,575,696, Nov. 20.
Webb, Jervis B., Company, assignee: *See*—
Rose, Andrew G.
Schenk, Adelbert J.
Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Process and apparatus for heat exchange employing granular particles. 2,576,058, Nov. 20.
Weimer, Paul K.: *See*—
Rajchman, Jan A., and Weimer.
Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Pickup tube residual scanning eliminator. 2,575,477, Nov. 20.
Wenger, Harry J., Owatonna, Minn. Combination chair and support for sousaphones. 2,575,540, Nov. 20.
Werkspoor N. V., assignee: *See*—
Lugt, Gerard J.
Werner, Fred H., and J. J. Graham, assignors to H. L. Judd Company, Wallingford, Conn. Drapery carrier. 2,576,086, Nov. 20.
Westerburg, Erik B., Ensta, Enebyberg, Sweden. Measuring instrument. 2,575,935, Nov. 20.
Western Electric Company, Incorporated, assignee: *See*—
Meilstrup, Emil E.
Wojciechowski, Bogumil M.
Western Union Telegraph Company, The, assignee: *See*—
Blanton, William B., and Light.
Westinghouse Air Brake Company, assignee: *See*—
Bent, Arthur J.
Bone, Herbert L., and Jefferson.
Cook, Earle S., McClure, and Rush.
De Witt, Chauncey O.
Grammer, James I.
Hines, Claude M.
Hines, Claude M., and Kirk.
Hufnagel, Andrew.
Jefferson, Glen V.
Pascoe, Frank T., and Jerome.
Stevens, Roy R.
Westinghouse Electric Corporation, assignee: *See*—
Adams, Paul G., and Axman.
Baker, Robert M.
Clark, Earl K.
Clokey, John W.
Glick, Harvey L.
Grissinger, George G., and Tremblay.
Hardigg, George W.
Hipple, John A., Jr., and Grove.
Jernstedt, George W.
Johnson, John L., and Boykin.
Kilgore, Lee A.
King, George E.
Leeds, Winthrop M.
Lenehan, Bernard E.
McIntosh, Ralph O.
Petzinger, Ambrose J.
Sandin, Jerome, and Rawlins.
Santini, Danilo, Nelson, and Suozzo.
Schulman, Earl L.
Schulman, Earl L., and Reeder.
Wallace, James M., and Kraft.
Wallace, James M., Rawlins, Cumming, and Aspey.
Warrington, Peirce E.
Weston Electrical Instrument Corporation, assignee: *See*—
Gilbert, Roswell W.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wave-signal directional coupler. 2,575,571, Nov. 20.
Wheeler, Richard H., Utica, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Throttle control. 2,575,901, Nov. 20.
White, Chalmers H., Greensboro, N. C. Centrifugal clutch for spindles. 2,575,776, Nov. 20.
White, Joseph J., assignee: *See*—
Franklin, William B.
Whitehead, Bruce: *See*—
Williams, Ernest, Whitehead, and Mercer.
Whitehead, Walter D., Jr.: *See*—
Hereford, Frank L., Jr., and Whitehead.
Whiting Corporation, assignee: *See*—
Ortgies, Raymond C.
Whitney Blake Company, The, assignee: *See*—
Cook, John B.
Whiton Machine Company, The, assignee: *See*—
Highberg, George A.
Whitworth, Edward: *See*—
Gordon, Stuart, and Whitworth.
Wickstrum, Cecil M., Omaha, Nebr. Rolling chapel tent construction. 2,575,572, Nov. 20.
Wiedman, Edward L., Tonawanda, N. Y. Step for trailers and other vehicles. 2,575,573, Nov. 20.
Wilcox, Albert C., Chicago, Ill. Combination automatic and pressure drip coffee maker. 2,575,777, Nov. 20.
Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Conveyer control mechanism. 2,576,087, Nov. 20.
Wilken, George B., Escondido, Calif. Self-setting rodent trap. 2,575,435, Nov. 20.
Williams, Ernest, and B. Whitehead, Tunbridge Wells, and J. P. Mercer, assignors to E. C. D. Limited, Tonbridge, England. Injector apparatus. 2,575,646, Nov. 20.
Williams, Russell A., Sr., Johnson City, N. Y. Machine for hard boiling and shelling of eggs. 2,575,608, Nov. 20.
Williamson, Loyal A., Jr., Los Angeles, and J. L. Byrne, Gardena, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane cabin cooling system. 2,575,541, Nov. 20.
Willis, Marvin W., Tahlequah, Okla. Combination measuring instrument for layout work. 2,575,697, Nov. 20.
Willson, Alfred B., East Hartford, Conn. Poultry and livestock inoculator. 2,575,648, Nov. 20.
Willson Products, Inc., assignee: *See*—
Bethig, Eric A.
Willys-Overland Motors, Inc., assignee: *See*—
Benning, Walter F.

Wilson, John H., Bay Shore, N. Y. Vacuum exhaust. 2,575,698, Nov. 20.
Wilson, Leon T., Canadensis, Pa. Method and system for utilizing solar energy. 2,575,478, Nov. 20.
Wilson, Theodore R., Seattle, Wash. Ventilated toilet. 2,575,778, Nov. 20.
Wilt, Homer E., and R. H. Gill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tool for upsetting internally threaded rivets. 2,575,479, Nov. 20.
Wingfoot Corporation, assignee: *See*—
Beauchamp, David N.
Bricker, Carl E.
Carson, Clarence M.
Cox, Fred W., and Wallace.
Goulding, Albert, Jr.
Winslow, William R., North Tonawanda, N. Y. Aircraft landing gear. 2,575,647, Nov. 20.
Withington, Lothrop, Jr.: *See*—
Batchelder, Charles F., Jr., and Withington.
Withrow, Ralph A., Denver, Colo., and R. E. Colvard, Salt Lake City, Utah. Low-pressure and vacuum relief valve. 2,575,574, Nov. 20.
Woermann, Jacob, assignee: *See*—
Yager, Victor, and Woermann.
Wohl, Robert J., U. S. Navy. Short wave antenna. 2,575,377, Nov. 20.
Wojciechowski, Bogumil M., assignor to Western Electric Company, Incorporated, New York, N. Y. Limit bridge detector. 2,576,059, Nov. 20.
Wolf, James M., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio-frequency calorimeter wattmeter. 2,576,060, Nov. 20.
Wolff, Emanuel, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic stem lock for diaphragm valves. 2,575,402, Nov. 20.
Woodington, George L.: *See*—
Hirst, Charles D., and Woodington.
Woodington, Vera J., assignee: *See*—
Hirst, Charles D., and Woodington.
Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe pressing machine. 2,575,436, Nov. 20.
Wright-Batchelder Corporation, assignee: *See*—
Batchelder, Charles F., Jr., and Withington.
Wright, Fred J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Hot pin heading machine. 2,575,504, Nov. 20.
Wubbe, Leo J., Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Lint strainer. 2,575,542, Nov. 20.
Wyandotte Chemicals Corporation, assignee: *See*—
Bacon, Leslie R., and Otrhalek.
Yager, Victor, Long Island City, and J. Woermann, Glendale, N. Y. Air vent and focusing screen support for bellows type cameras. 2,575,902, Nov. 20.
Yoder, Le Roy D., Clarence Center, N. Y. Bale handling hook. 2,575,986, Nov. 20.
York, Raymond A., Pitman, and C. H. Taylor, Haddonfield, N. J., assignors to Radio Corporation of America. Conducting rubber heating element. 2,575,987, Nov. 20.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Power tool chuck. 2,575,903, Nov. 20.
Young, David W.: *See*—
Morway, Arnold J., and Young.
Young, Donald M., F. G. Young, Jr., and H. R. Guest, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Catalytic hydrogenation of acetophenone to phenyl methyl carbinol. 2,575,403, Nov. 20.
Young, Frank G., Jr.: *See*—
Young, Donald M., F. G., and Guest.
Young, Hobert D., Harvey, Ill., assignor to Sinclair Refining Company, New York, N. Y. Diesel-starting fluid. 2,575,543, Nov. 20.
Young, Pierre W., Glenview, Ill. Electrician's wrench and reamer. 2,575,779, Nov. 20.
Youngstown Sheet and Tube Company, The, assignee: *See*—
Colby, Irving A.
Younker, Elmer L.: *See*—
Doherty, William H., Morrison, and Younker.
Zendian, Frank V., and H. Macaluso, Clifton, N. J. Card record sorting device. 2,575,505, Nov. 20.
Ziebart, Ferdinand L., Winnipeg, Manitoba, Canada. Watch or clock movement. 2,575,437, Nov. 20.
Zimsky, John J., assignor to Pennsylvania Transformer Company, Pittsburgh, Pa. Transformer bushing terminal and hinged cover therefor. 2,575,480, Nov. 20.
Zinn, Julius A., Jr., Chicago, Ill. Method and apparatus for closing and sealing containers. 2,575,544, Nov. 20.
Zollars, Richard U.: *See*—
Hill, George B., and Zollars.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Electronic relay arrangement for protecting power systems. A. R. Van C. Warrington. Re. 23,430, Nov. 20.

LIST OF DESIGN INVENTIONS

Bedstead or similar article. O. C. Robbins. 165,245, Nov. 20.
Boot. C. H. Baker. 165,214–15, Nov. 20.
Bottle guard or similar article, Infant's. R. Miller. 165,235, Nov. 20.
Box. B. Yellin. 165,256, Nov. 20.
Cabinet. W. R. Porter. 165,241–3, Nov. 20.
Card box and folding canasta tray or similar article, Combined. C. F. Degner. 165,219, Nov. 20.
Clockcase. L. Eickemeyer. 165,222–3, Nov. 20.
Dial or similar article, Indicator. G. A. Lasko. 165,232, Nov. 20.
Dispenser, Ribbon. J. M. Katz. 165,229, Nov. 20.
Fabric, Flocked. J. Alexander. 165,206–8, Nov. 20.
Fan blade. J. T. Roffy. 165,246, Nov. 20.
Golf tee holder or similar article. R. R. Ward. 165,253, Nov. 20.
Grass divider. L. Shell. 165,247, Nov. 20.
Grille for air conditioning cabinet. H. E. Anderson, Jr. 165,210, Nov. 20.
Handbag. W. H. Hardy. 165,228, Nov. 20.
Handbag. I. Pichel. 165,239–40, Nov. 20.
Handle cover, Cooking utensil. F. R. Arnone. 165,211, Nov. 20.
Jewelry component or similar article. K. C. Augenstein. 165,212, Nov. 20.
Lamp base. E. Norton. 165,236–7, Nov. 20.
Lamp, Floor. J. M. Gray and E. G. Revness. 165,226, Nov. 20.
Lighter and letter opener, Combined cigarette. H. G. Treias. 165,250, Nov. 20.
Lighter, Pyrophoric. A. L. Guenin. 165,227, Nov. 20.
Motor housing, Electric. H. Goodman. 165,225, Nov. 20.
Photographic processing apparatus. G. D. Aydlett. 165,213, Nov. 20.
Plate or similar article. R. Y. Allen, M. and E. K. Shaw. 165,209, Nov. 20.
Rack, Dish holding. E. L. Blakeslee. 165,216, Nov. 20.
Restaurant building. M. E. Coleman. 165,218, Nov. 20.
Rule, Fertility slide. E. P. E. Deschamps. 165,220, Nov. 20.
Sock, Man's. F. J. and R. L. Vanhorn. 165,251–2, Nov. 20.
Stand, Combined display and dispensing. J. R. Warp. 165,254, Nov. 20.
Stand, Display. C. L. Wheeler. 165,255, Nov. 20.
Sterilizer, Electric oil. H. A. Eitelberg. 165,224, Nov. 20.
Telephone support. W. C. O'Brien. 165,238, Nov. 20.
Telescope. J. D. Kieffer, III, and W. M. Strom. 165,231, Nov. 20.
Tire casing trimmer and balancing machine or similar article, Combined pneumatic. J. H. Braley. 165,217, Nov. 20.
Tongs, Lifting. C. S. Dixon. 165,221, Nov. 20.
Toothbrush. T. W. Sherrod and N. J. G. Edwards. 165,248, Nov. 20.
Toy airplane. F. W. Kertell. 165,230, Nov. 20.
Tumbler. H. H. Soyster. 165,249, Nov. 20.
Ventilator, Foundation. A. Rendessy. 165,244, Nov. 20.
Wheel cover or similar article. G. A. Lyon. 165,233–4, Nov. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid pump. P. Balletto. 2,575,508, Nov. 20.
Acrylates, polymers, and copolymers. F. W. Cox and J. M. Wallace, Jr. 2,575,585, Nov. 20.
Acrylonitrile-isobutylene copolymer synthetic resin latex. J. A. Davison. 2,575,750, Nov. 20.
Acyloxy polymethine dye intermediates. E. Van Lare and L. G. S. Brooker. 2,575,373, Nov. 20.
Adjustable length pipe coupling. R. L. Shugart and A. H. Stromeier. 2,575,685, Nov. 20.
Adjustable magnetic pressure valve. R. O. Bullard. 2,575,906, Nov. 20.
Adjusting the effective exit cross-section of a nozzle or the like. L. Servanty. 2,575,735, Nov. 20.
Adsorption process. C. H. O. Berg. 2,575,520, Nov. 20.
Adsorption process. D. H. Imhoff and C. H. O. Berg. 2,575,519, Nov. 20.
Air circulating apparatus. J. I. Shireman. 2,575,894, Nov. 20.
Aircraft landing gear. W. R. Winslow. 2,575,647, Nov. 20.
Airplane cabin cooling system. L. A. Williamson, Jr. and J. L. Byrne. 2,575,541, Nov. 20.
Airplane control device. W. R. Sears. 2,575,532, Nov. 20.
Air vent and focusing screen support for bellows type cameras. V. Yager and J. Woermann. 2,575,902, Nov. 20.
Alignment device for measuring wheels. W. A. Pitts. 2,576,041, Nov. 20.
Alkali metal salt-organic sulfoxy detergent compositions inhibited against deterioration of vitreous and ceramic-ware surfaces. L. R. Bacon and J. V. Otrhalek. 2,575,576, Nov. 20.
Alkali stabilized calcium phosphate phosphor. H. C. Froelich and J. M. Margolis. 2,575,755, Nov. 20.
Alkylaminoalkyl esters of aryl urethans. J. S. Pierce. 2,576,079, Nov. 20.
Alloy: *See*—
Nickel base high-tempera- Titanium alloy.
ture alloy.
Aminobenzothiazole, Preparation of. J. T. Cassaday and E. I. Hoegberg. 2,575,614, Nov. 20.
Amplifying device, High-frequency. L. M. Field. 2,575,383, Nov. 20.
Analyzing apparatus. W. H. Wannamaker, Jr. 2,576,056, Nov. 20.
Annealing a selenium coating. C. E. Peters and D. W. Rau. 2,575,392, Nov. 20.
Antenna, Short wave. R. J. Wohl. 2,575,377, Nov. 20.
Antenna system, Vehicular. W. W. Schweiss and R. I. Gratzner. 2,575,471, Nov. 20.
Aseptic canning. L. V. E. Clifcorn. 2,575,863, Nov. 20.
Ash receptacle. C. A. T. Agee. 2,575,857, Nov. 20.
Ash receptacle. W. E. Burnett. 2,575,441, Nov. 20.
Apparatus for connecting coil springs. J. Spühl. 2,575,774, Nov. 20.
Apparatus for curing building blocks. A. L. Nugey. 2,575,462, Nov. 20.
Apparatus for cutting strip material. J. W. Huff. 2,575,450, Nov. 20.
Apparatus for detecting and marking pin holes. G. H. Rendel. 2,576,043, Nov. 20.
Apparatus for extracting juices from citrus fruits and the like. H. Cohen. 2,575,584, Nov. 20.
Apparatus for finishing braided threads. H. E. Smith. 2,575,981, Nov. 20.
Apparatus for making retractile cords. J. B. Cook. 2,575,747, Nov. 20.
Apparatus for measuring rotor-blade vibration. G. W. Hardigg. 2,575,710, Nov. 20.
Apparatus for pressing bark-removing cables against a pile, pole or log. E. A. Laulainen. 2,575,422, Nov. 20.
Apparatus for producing substantially clear ice bodies. B. K. Roberts and C. E. Enger. 2,575,892, Nov. 20.
Apparatus for taper grinding elongated articles. F. C. Julian. 2,575,346, Nov. 20.
Apparatus for troweling or coating the interior surface of a conduit. W. J. MacEvoy. 2,575,353, Nov. 20.
Applying matrix strips. L. V. B. Eicher. 2,575,800, Nov. 20.
Arrangement on roofs of vehicles, vessels, and buildings in order to facilitate the loading and unloading of goods. N. I. Schwalbe. 2,575,565, Nov. 20.
Arresting the polymerization of chloroprene. J. R. Goertz. 2,576,009, Nov. 20.

Article of furniture, Reclining. A. Lorenz. 2,575,880–1. Nov. 20.
Artificial fish lure. R. F. Alderman. 2,575,609, Nov. 20.
Atomizer. J. Belinkine. 2,575,786, Nov. 20.
Atomizer, Normally sealed. E. Lipman. 2,575,632, Nov. 20.
Attaching means for adapter sprockets. G. Chamberlain. 2,575,582, Nov. 20.
Audio level indicator. R. G. Nuckolls. 2,575,358, Nov. 20.
Auto radiator hanger clamp. H. B. Fechter. 2,575,412, Nov. 20.
Auto truck, Self-loading and unloading. J. W. Daniels. 2,576,001, Nov. 20.
Automatic approach control system. C. M. Perkins, Sr and A. Bennett. 2,575,890, Nov. 20.
Automatic deluge valve. H. N. Rider. 2,575,469, Nov. 20.
Automatically controlled washing apparatus. E. K. Clark. 2,575,704, Nov. 20.
Automobile hood position warning indicator. J. Jeffrey and T. T. May. 2,576,017, Nov. 20.
Bale handling hook. L. R. D. Yoder. 2,575,986, Nov. 20.
Baler plunger head adjustment. G. B. Hill and R. U Zollars. 2,575,449, Nov. 20.
Baling press with extensible and resilient needle driving means. M. H. Tuft. 2,575,538, Nov. 20.
Baling wire cutter. F. Fisher. 2,575,948, Nov. 20.
Bar: *See*—
Tow bar.
Base plate for cutting machines. L. J. Ulrich. 2,575,695, Nov. 20.
Battery terminal connector. O. H. Thomas and R. Elton. 2,575,644, Nov. 20.
Beaded mock welting for McKay type footwear. C. F. Batchelder, Jr. and L. Withington, Jr. 2,575,783, Nov. 20.
Bearing: *See*—
Thrust bearing.
Bearing guard. S. D. Russell. 2,575,531, Nov. 20.
Bed, Love seat. P. P. Bebry. 2,576,062, Nov. 20.
Beer faucet. R. Del Nero. 2,575,658, Nov. 20.
Belt. H. W. Goff. 2,575,952, Nov. 20.
Blade and handle for shears, Detachable. O. B. Bray. 2,575,861, Nov. 20.
Block: *See*—
Die cutting block.
Bobber. D. G. Trowbridge. 2,575,852, Nov. 20.
Bobber for fish lines. V. L. Perry. 2,575,832, Nov. 20.
Boiler: *See*—
Vertical flue boiler.
Boron carbide material and making same. F. Pfeiffer. 2,575,927, Nov. 20.
Bottle carrier. R. H. Casler. 2,575,654, Nov. 20.
Bottle-carrying means. E. L. Bloomquist. 2,575,612, Nov. 20.
Bowling ball cleaner having a rotary brush, Motor operated. S. A. Jankowski. 2,575,814, Nov. 20.
Box: *See*—
Flush type fill box.
Bracket for Venetian blinds, Tape-supporting. E. E. Schaefer. 2,575,977, Nov. 20.
Braided eye for sling. V. C. J. Peterson. 2,575,974. Nov. 20.
Brake: *See*—
Link mounted brake. Vehicle brake.
Brake apparatus, Electropneumatic. C. M. Hines and W. B. Kirk. 2,575,958, Nov. 20.
Brake equipment, Fluid pressure. C. O. De Witt. 2,575,946, Nov. 20.
Brake mechanism. T. R. McGowan. 2,575,825, Nov. 20.
Breast leaf splitting machine. R. L. Bradley. 2,575,406. Nov. 20.
Brush moistener. A. C. Hummel. 2,575,495, Nov. 20.
Brush, Rotary. G. T. Meyer and O. Dreher. 2,575,635. Nov. 20.
Bucket, Ring top. R. J. Gollong. 2,575,446, Nov. 20.
Building structure. V. C. Shadgen. 2,575,474, Nov. 20.
Burner assembly for the combustion chambers of internal-combustion turbines. G. Oulianoff. 2,575,889, Nov. 20.
Burner with radiant end wall, Internally fired gas. A. A. Furczyk. 2,575,514, Nov. 20.
Bust-measuring device. H. Heiman. 2,575,343, Nov. 20.

By-pass filter. S. W. Briggs and W. J. Ewbank. 2,575,995, Nov. 20.
Cabinet: *See*—
Display cabinet.
Portable communion cabinet.
Cabinet. G. A. Swartz. 2,575,567, Nov. 20.
Cabinet for milk samples, Refrigerating. S. Conklin. 2,575,796, Nov. 20.
Calcium phosphate phosphor, Stabilized. H. C. Froelich and J. M. Margolis. 2,575,754, Nov. 20.
Calculating machine. H. A. deValle-Arizpe. 2,575,866, Nov. 20.
Calculating or computing device. F. Bardach. 2,575,328, Nov. 20.
Calendar, Perpetual. P. W. La Plante. 2,575,555, Nov. 20.
Calendar, Perpetual. E. Roesholm. 2,575,929, Nov. 20.
Calender roll pressure control apparatus. A. Goulding, Jr. 2,575,590, Nov. 20.
Calf weaner. H. F. Vancik. 2,575,433, Nov. 20.
Cam and pawl actuated tens transfer device. J. Handley. 2,575,872, Nov. 20.
Camera, Plural film. W. D. Thompson. 2,575,536, Nov. 20.
Canister, Gas mask. E. A. Bethig. 2,575,483, Nov. 20.
Canister set, Nesting kitchen. N. W. Roop. 2,575,770, Nov. 20.
Cap: *See*—
Drying cap.
Cap remover, Fulcrum type crown. C. H. Cowan, Jr. 2,576,000, Nov. 20.
Capacitor. R. L. Sink. 2,575,364, Nov. 20.
Car-dumping mechanism, Rotary. H. F. Flowers. 2,575,869, Nov. 20.
Carbonization apparatus. C. Davies, Jr. 2,575,587, Nov. 20.
Card record sorting device. F. V. Zendzian and H. Macaluso. 2,575,505, Nov. 20.
Carpet underlay, Making. H. Taylor. 2,575,851, Nov. 20.
Carrier: *See*—
Bottle carrier.
Drapery carrier.
Wheeled golf bag carrier.
Carrier for outboard motors. M. B. Cross. 2,575,749, Nov. 20.
Carrier for skis, toboggans, and like articles, Auto-top. M. S. Merrill. 2,575,458, Nov. 20.
Cart, Medical therapy. M. E. Hickey. 2,575,661, Nov. 20.
Case and stand for portable machines, Combination carrying. H. A. Trumfio. 2,575,537, Nov. 20.
Catadioptric optical system. D. S. Grey. 2,576,011, Nov. 20.
Catalytic dehydrogenation of paraffins. J. W. Myers. 2,576,034, Nov. 20.
Catalytic hydrogenation of acetophenone to phenyl methyl carbinol. H. R. Guest and R. W. McNamee. 2,575,404, Nov. 20.
Catalytic hydrogenation of acetophenone to phenyl methyl carbinol. D. M. Young, F. G. Young, Jr., and H. R. Guest. 2,575,403, Nov. 20.
Cathode-ray device. M. E. Mohr. 2,576,029, Nov. 20.
Cathode-ray device. J. R. Pierce, C. E. Shannon, and J. W. Tukey. 2,576,040, Nov. 20.
Cementing tool. C. C. Taylor and E. W. McGaffey. 2,575,603, Nov. 20.
Centrifugal gas-liquid separator. E. Topanelian, Jr. 2,575,568, Nov. 20.
Chain: *See*—
Cutter chain.
Chair and support for sousaphones, Combination. H. J. Wenger. 2,575,540, Nov. 20.
Chair structure. O. S. Caesar. 2,575,487, Nov. 20.
Check valve. R. E. Conner. 2,575,944, Nov. 20.
Chenille-like yarn, Producing. B. H. Foster. 2,575,753, Nov. 20.
Cigarette crusher and container. B. F. Michel. 2,575,557, Nov. 20.
Cinnamamidine derivatives. R. Baltzly and E. Lorz. 2,575,991, Nov. 20.
Circuit: *See*—
Electric chopper circuit.
Glow tube counting circuit.
Noise suppression circuit.
Plan position indicator circuit.
Circuit breaker. G. G. Grissinger and B. G. Tremblay. 2,575,709, Nov. 20.
Circuit breaker. W. M. Leeds. 2,575,719, Nov. 20.
Circuit breaker. J. Sandin and H. L. Rawlins. 2,575,730, Nov. 20.
Circuit breaker. P. E. Warrington. 2,575,740, Nov. 20.
Circuit breaker, Compressed air. H. Forwald. 2,575,949, Nov. 20.
Circuit failure protection device. M. J. Alger, Jr. 2,575,545, Nov. 20.
Circuit interrupter. J. M. Wallace and J. K. Kraft. 2,575,738, Nov. 20.
Circuit interrupter. J. M. Wallace, H. L. Rawlins, J. M. Cumming, and W. S. Aspey. 2,575,739, Nov. 20.
Circuit tester, Pocket-size. W. C. Linton. 2,575,821, Nov. 20.
Circulatory supply and drainage system for bathtubs. W. M. Patch. 2,575,636, Nov. 20.
Clamp: *See*—
Auto radiator hanger clamp.
Cleaner: *See*—
Smoker's pipe cleaner.
Closing and sealing containers, Method and apparatus for. J. A. Zinn, Jr. 2,575,544, Nov. 20.
Closing mechanism for bottom-dump wagons. G. W. Mork. 2,575,355, Nov. 20.
Clothes-washing machine. T. R. Smith. 2,575,689, Nov. 20.
Clothes-washing machine. T. R. Smith. 2,575,691, Nov. 20.
Clutch: *See*—
Fluid pressure released clutch.
Safety overload clutch.
Clutch control for marine transmission. A. E. Kilpela. 2,575,665, Nov. 20.
Clutch for spindles, Centrifugal. C. H. White. 2,575,776, Nov. 20.
Coating glassine. G. H. Peters. 2,575,727, Nov. 20.
Collapsible heat-insulated container. N. R. Seaman. 2,575,893, Nov. 20.
Collapsible stand. J. C. Peery. 2,575,593, Nov. 20.
Collector for electroplating apparatus, Current. W. B. Cooper and P. A. Burgemeister. 2,575,409, Nov. 20.
Coffee maker, Combination automatic and pressure drip. A. C. Wilcox. 2,575,777, Nov. 20.
Combustion chamber with turbine shaft air jacket, Double-walled annular. V. Scarth. 2,576,046, Nov. 20.
Composite tire chain fastener. R. A. Mank. 2,575,966, Nov. 20.
Concrete hardening compositions of the metal salt type. I. Silverman and A. Moscowitz. 2,575,599, Nov. 20.
Conducting rubber heating element. R. A. York and C. H. Taylor. 2,575,987, Nov. 20.
Cone grip lock nut. J. Summers. 2,575,641, Nov. 20.
Connecting collapsible tubes to a pump device for discharging the contents thereof. F. G. Gates. 2,575,870, Nov. 20.
Connecting device at crossbar switch for selection of connecting links. K. A. Lundkvist. 2,575,882, Nov. 20.
Connector: *See*—
Battery terminal connector.
Wire connector.
Contact bank for 25-point 10-wiper rotary switches. K. W. Graybill and H. Sengebusch. 2,575,806, Nov. 20.
Contact mounting. G. Halverson and J. D. Kleis. 2,575,808, Nov. 20.
Contact power reactor for vapor phase nitration. L. A. Stengel and R. S. Egly. 2,575,855, Nov. 20.
Container: *See*—
Collapsible heat-insulated container.
Key container.
Shipping container.
Continuous flow, rotary, and inclined fractionating unit. T. R. Smith. 2,575,690, Nov. 20.
Continuous strip metal treatment, Method and apparatus for. J. S. Nachtman. 2,576,074, Oct. 20.
Continuous welding of pipes and tubes, Method of and apparatus for. I. A. Colby. 2,575,381, Nov. 20.
Control lever mounted on threaded pivot. W. F. Benning. 2,575,379, Nov. 20.
Control mechanism. R. D. Bullard, J. H. Sherwood, and P. M. Geist. 2,575,792, Nov. 20.
Control switch. H. L. Bone and G. V. Jefferson. 2,575,994, Nov. 20.
Control systems for the code control of interlocked switch and signals, Centralized traffic. F. T. Pascoe and A. L. Jerome. 2,576,038, Nov. 20.
Control system for wheeled mechanical-lift implements. H. B. Rapp. 2,575,563, Nov. 20.
Control terminal for mobile radio telephone. E. H. B. Bartelink. 2,575,782, Nov. 20.
Convertible continuous press for producing long or short alimentary paste products. C. Ambrette. 2,576,061, Nov. 20.
Conveyer. R. L. Griffin and N. Y. Moore. 2,575,914, Nov. 20.
Conveyer belt. P. L. Hutchins. 2,575,813, Nov. 20.
Conveyer control mechanism. I. L. Wilcox. 2,576,087, Nov. 20.
Conveyer idler. H. T. Shank. 2,575,598, Nov. 20.
Copolymers of unsaturated nitriles. M. Nape and F. E. Condo. 2,576,076, Nov. 20.
Corner mount and method and machine for making the same. W. B. Miner. 2,575,924, Nov. 20.
Cosmetic accessory comprising a rouge cup and a brush. R. N. Carver. 2,575,997, Nov. 20.
Counter chronograph. W. A. Higinbotham and B. D. McDaniel. 2,575,759, Nov. 20.
Coupling: *See*—
Adjustable length pipe coupling.
Swivel coupling.
Coupling structure. J. F. P. Farrar. 2,575,338, Nov. 20.
Cover: *See*—
Seat cover.
Crankcase breather and oil filler pipe assembly. W. C. and C. H. Shirk, and J. A. and R. C. Jacobsen. 2,575,400, Nov. 20.
Creel. F. Lambach. 2,575,348, Nov. 20.
Crimping proteinaceous fibers. L. W. Rainard. 2,575,838, Nov. 20.
Crimping textile fibers. J. L. Barach. 2,575,781, Nov. 20.
Crimping textile fibers. J. H. Pfau and L. W. Rainard. 2,575,833, Nov. 20.
Crimping uncrosslinked fibers. L. W. Rainard. 2,575,839, Nov. 20.

Crossbar, Cargo-supporting. F. Fahland. 2,575,550, Nov. 20.
Crotonate esters of glyceryl polyethers of dihydric phenols. T. F. Bradley. 2,575,440, Nov. 20.
Crown block safety switch. G. D. Johnson. 2,575,627, Nov. 20.
Crusher mill. G. W. Borton. 2,575,380, Nov. 20.
Crutch. J. M. Peters. 2,575,681, Nov. 20.
Cutter chain. L. E. Simmons. 2,575,980, Nov. 20.
Crystal unit. A. G. Laird. 2,575,819, Nov. 20.
Cultivator spring trip. T. Brown. 2,575,510, Nov. 20.
Cup forming and dispensing mechanism for beverage vending machines. J. H. King. 2,575,386, Nov. 20.
Curling hair. A. C. Glick. 2,575,589, Nov. 20.
Cutter: *See*—
Baling wire cutter.
Cutting and splicing apparatus. W. D. Dain. 2,575,798, Nov. 20.
Cyclone separator. S. W. Wallin. 2,575,607, Nov. 20.
Cyclopentanophenanthrene derivatives and process. G. Rosenkranz and S. Kaufmann. 2,575,840, Nov. 20.
Dasher mechanism for washing machines. A. W. Altorfer, Jr. 2,575,988, Nov. 20.
Deflection plate. E. Pohle. 2,575,836, Nov. 20.
Dessication product removal means. R. E. Colwell. 2,575,748, Nov. 20.
Detachable aspirator. L. G. Fox. 2,575,513, Nov. 20.
Detection of ions. J. A. Rajchman and P. K. Weimer. 2,575,769, Nov. 20.
Determination of ground constants. M. K. Goldstein. 2,575,340, Nov. 20.
Device for copying records on a proportional scale. W. H. Baltin and R. R. Batcher. 2,575,742, Nov. 20.
Device for producing food products. J. J. Krantz. 2,575,921, Nov. 20.
Dialdehydo compounds. D. T. Warner and O. A. Moe. 2,575,375, Nov. 20.
Diaphragm pump. J. Schroeder. 2,575,398, Nov. 20.
Diaphragm valve. W. O. Teeters. 2,575,775, Nov. 20.
Die: *See*—
Wire enameling die.
Die cutting block. B. W. Bender. 2,575,378, Nov. 20.
Diesel starting fluid. H. D. Young. 2,575,543, Nov. 20.
Diesters of unsaturated dihydric alcohols and preparation of the same. C. W. Smith and D. G. Norton. 2,575,896, Nov. 20.
Dihydroxypropyl theophylline. J. W. Jones and P. V. Maney. 2,575,344, Nov. 20.
Dipyridinium compound. M. De Groote and B. Keiser. 2,576,002, Nov. 20.
Direct-current power system. J. M. Pestarini. 2,575,637, Nov. 20.
Dish, Soap. H. H. Semrow. 2,575,843, Nov. 20.
Dishwashing machine and plural liquid spray means therefor. F. T. Hilliker. 2,575,493, Nov. 20.
Disinfectant composition containing a corrosion inhibitor. S. C. Johansson. 2,575,713, Nov. 20.
Disk brake and actuator means therefor, Hydraulic. O. A. Kershner. 2,575,963, Nov. 20.
Dispenser: *See*—
Spherical rotary conveyer type trap chamber dispenser.
Toilet bowl deodorant dispenser.
Dispenser unit. T. B. Chace and J. A. Reinhardt. 2,575,489, Nov. 20.
Dispensing machine. S. Frank. 2,575,803, Nov. 20.
Dispensing mechanism for bulk material. W. J. Kilpatrick and L. F. Butler. 2,575,920, Nov. 20.
Display cabinet. W. B. Lyon. 2,575,822, Nov. 20.
Display device. C. E. Klein. 2,575,452, Nov. 20.
Distillation of carbonyl compounds from alcohols. C. E. Morrell and R. F. Robey. 2,576,030, Nov. 20.
Ditching and loading device. A. Radakovich. 2,575,729, Nov. 20.
Door latch. O. E. Nelson. 2,575,972, Nov. 20.
Drag harrow hitch. H. E. Blehm. 2,575,405, Nov. 20.
Drapery carrier. F. H. Werner and J. J. Graham. 2,576,086, Nov. 20.
Drier: *See*—
Yankee drier.
Drill: *See*—
Rock drill.
Drill. H. D. Cummins. 2,575,332, Nov. 20.
Drill pipe support. W. L. Pearce. 2,575,831, Nov. 20.
Drill slip unit, Automatic. W. A. Abegg. 2,575,649, Nov. 20.
Drilling tool. J. W. Mecom. 2,575,826, Nov. 20.
Drive for traverse mechanism. J. L. Killoran. 2,575,385, Nov. 20.
Drive mechanism for vehicles and connected implements. T. W. Paul. 2,575,466, Nov. 20.
Drying cap. J. Rösli. 2,575,841, Nov. 20.
Drying laundry. A. Miller. 2,575,672, Nov. 20.
Dual potential unbalance responsive device. W. C. Morris. 2,575,925, Nov. 20.
Ducted spinner inlet. T. E. Grimac. 2,575,415, Nov. 20.
Dunnage apparatus, Adjustable. E. Donnelley. 2,575,751, Nov. 20.
Dynamoelectric machine. J. W. Clokey. 2,575,705, Nov. 20.
Dynamoelectric machine rotor and winding. H. D. Taylor. 2,575,932, Nov. 20.
Easy line bolt. J. P. Dry. 2,576,003, Nov. 20.
Economizer for use with oil fired forced draft domestic heating furnaces. W. J. Carlson. 2,575,882, Nov. 20.
Elastic fastening means for spectacle lenses. A. Santa. 2,575,731, Nov. 20.
Electric chopper circuit. A. F. Bischoff. 2,575,904, Nov. 20.
Electric relay. A. Hufnagel. 2,575,812, Nov. 20.
Electric selecting matrix. G. W. Hobbs. 2,575,916, Nov. 20.
Electric switch device. C. M. Hines. 2,575,957, Nov. 20.
Electrical contactor. P. G. Adams and M. W. Axman. 2,575,699, Nov. 20.
Electron beam tube filter. L. C. Peterson and R. K. Potter. 2,575,393, Nov. 20.
Electron discharge device. P. Haas. 2,575,448, Nov. 20.
Electronic switch. L. A. Meacham. 2,576,026, Nov. 20.
Electroplating. G. W. Jernstedt. 2,575,712, Nov. 20.
Elevator system, Zoned. D. Santini, A. M. Nelson, and J. Suozzo. 2,575,732, Nov. 20.
Embroidery aid and frame. R. Salz. 2,575,470, Nov. 20.
Engine: *See*—
Internal-combustion engine.
Ruling engine.
Engine controller. C. H. Jorgensen and W. H. Taylor. 2,575,345, Nov. 20.
Engine crankcase cooling system. W. W. Kiler. 2,575,877, Nov. 20.
Exhaust machine. J. W. Fulton and R. A. Kuebler. 2,575,756, Nov. 20.
Extracting gelatin and glue. R. E. A. J. Frechin. 2,575,551, Nov. 20.
Fabric and producing it, Waterproofed. D. N. Beauchamp. 2,575,577, Nov. 20.
Fabricated structure comprising porous compositions of matter. E. L. Kropa, L. E. Craig, and A. S. Nyquist. 2,576,073, Nov. 20.
Facsimile control mechanism for effecting curvilinear scanning or recording. A. G. Cooley. 2,575,442, Nov. 20.
Facsimile system. J. L. Johnson and J. R. Boykin. 2,575,714, Nov. 20.
Fail-safe feature for balanced bridge indicators. B. R. Gossick. 2,575,447, Nov. 20.
Fare box coin unit. G. L. Kautzmann and F. Griffith. 2,575,817, Nov. 20.
Farm seeder. E. K. Thompson. 2,575,985, Nov. 20.
Fastener: *See*—
Composite tire chain fastener.
Quick disassembly slide fastener.
Wire fastener.
Fat splitting agent and producing same. W. K. Griesinger. 2,575,807, Nov. 20.
Faucet, Mixing. C. K. Brown, Jr. 2,575,940, Nov. 20.
Feedback neutralization means for telephone systems. W. H. Shaw. 2,575,844, Nov. 20.
Feeding device for silage blowers, Auger-type. C. J. Scranton and B. G. Elliott. 2,575,639, Nov. 20.
Fence gate construction. E. A. Etnyre. 2,575,947, Nov. 20.
Fiber lubricant composition. M. Duke, C. Hohing, Jr., and B. L. Shaffer. 2,575,382, Nov. 20.
Fibrous products, Making. G. J. Sluiter. 2,575,895, Nov. 20.
Filament failure device for electronic tubes. L. L. Helterline, Jr., M. Best, Jr., and A. Bunblasky. 2,576,014, Nov. 20.
File, Rotary. W. O. Carlson. 2,575,745, Nov. 20.
File, Rotary. C. O. Olson. 2,575,766, Nov. 20.
Filter: *See*—
By-pass filter.
Electron beam tube filter.
Removable fibre glass filter.
Filter. C. G. Yokes. 2,575,900, Nov. 20.
Filter apparatus. F. Kausch. 2,575,876, Nov. 20.
Finishing workpieces of irregular shapes. H. D. Coe, Jr., and J. B. Dym. 2,575,656, Nov. 20.
Fire alarm. G. D. Mateer. 2,575,883, Nov. 20.
Fire extinguishing foam system with deluge valve control. H. N. Rider. 2,575,468, Nov. 20.
Firing mechanism for use with a gun synchronizer. P. H. Dixon. 2,575,411, Nov. 20.
Fish lure. P. P. Corsi. 2,575,797, Nov. 20.
Fish lure. G. Shockey. 2,575,430, Nov. 20.
Fishing lure. M. J. Isaac. 2,575,626, Nov. 20.
Flexible mica compositions. E. L. Schulman and G. S. Reeder. 2,575,733, Nov. 20.
Flight conveyer. C. F. Ball. 2,575,610, Nov. 20.
Flow-measuring apparatus. K. H. Dittmann. 2,575,492, Nov. 20.
Fluid pressure control apparatus for engines. R. R. Stevens. 2,575,983, Nov. 20.
Fluid pressure control mechanism. R. R. Stevens. 2,575,982, Nov. 20.
Fluid pressure controlled actuating device. A. J. Bent. 2,575,937, Nov. 20.
Fluid pressure released clutch. A. T. Nabstedt and J. O. Berndtson. 2,575,765, Nov. 20.
Fluid seal. T. O. Kosatka. 2,575,818, Nov. 20.
Flush type fill box. J. D. Dillard. 2,575,618, Nov. 20.
Foam maker for cleaners. M. G. Morgan. 2,575,675, Nov. 20.
Forming shaped fibrin products. J. D. Ferry and P. R. Morrison. 2,576,006, Nov. 20.

Forming sleepers in building construction, Method and apparatus for. C. L. R. Olson. 2,575,678, Nov. 20.
Formyl cyclohexene nitriles and esters. D. T. Warner and O. A. Moe. 2,575,376, Nov. 20.
Fountain, Portable drinking. G. H. Andrews. 2,575,936, Nov. 20.
Fractionation column. T. R. Smith. 2,575,688, Nov. 20.
Frame for assisting in designing and measuring lamp shades. V. M. Harlow. 2,575,625, Nov. 20.
Framework for buildings. H. H. Herd. 2,575,758, Nov. 20.
Friction plug closure. R. S. Condon and A. G. Hatch. 2,575,490, Nov. 20.
Fuel injection pump. J. W. Hatch. 2,575,955, Nov. 20.
Fuel injector for rocket devices. E. A. Maynor. 2,575,824, Nov. 20.
Fuels, Aviation or motor. D. A. Howes, T. Talt, P. Dockxey, S. F. Birch, and W. A. Partridge. 2,576,071, Nov. 20.
Furnace baffle construction and arrangement. J. E. J. Toner. 2,576,053, Nov. 20.
Furnace wall, Water-cooled. O. A. Johnson. 2,575,628, Nov. 20.
Gang nut retainer assembly. K. Reiner. 2,575,594, Nov. 20.
Garment, Blouse type. P. M. Brown. 2,575,791, Nov. 20.
Gas torch machine for cutting rounds and the like. J. M. Tyrner. 2,575,737, Nov. 20.
Gaseous discharge device, Cold cathode. M. A. Townsend. 2,575,370–2, Nov. 20.
Gate: *See*—
Multiple swing farm gate.
Gate latch. T. J. Knight. 2,575,420, Nov. 20.
Gauge: *See*—
Tangential acceleration gauge.
Gauge rod wiper. F. A. Reip. 2,575,361, Nov. 20.
Gear: *See*—
Aircraft landing gear.
Generating system, Variable width pulse. W. S. Ivans, Jr. 2,575,961, Nov. 20.
Generator: *See*—
Ozone generator. Pulse generator.
Geophysical surveying. F. W. Lee. 2,575,349, Nov. 20.
Girdle. J. J. Vandercook. 2,575,605, Nov. 20.
Girdle or the like. F. Niedermann. 2,575,460, Nov. 20.
Glazing strips, Production of. C. G. Lyon. 2,575,669, Nov. 20.
Glow tube counting circuit. G. E. Hagen. 2,575,517, Nov. 20.
Glow tube switch. G. E. Hagen. 2,575,516, Nov. 20.
Glycidyl ether compositions and using same. H. A. Newey and E. C. Shokal. 2,575,558, Nov. 20.
Granular smokeless propellant powders. S. Gordon and E. Whitworth. 2,575,871, Nov. 20.
Grease containing soaps of tall oil, Lubricating. A. J. Morway and J. J. Kolfenbach. 2,576,031, Nov. 20.
Grease, Lubricating. A. J. Morway and D. W. Young. 2,576,032, Nov. 20.
Grinding wheel truing mechanism. W. L. Tancred. 2,575,984, Nov. 20.
Guard for vacuum tubes. E. F. Staver. 2,575,601, Nov. 20.
Gun charger. P. E. Humphrey. 2,576,015, Nov. 20.
Gun charger. W. A. V. Thomsen. 2,575,368, Nov. 20.
Gun sight. M. P. Buehler. 2,575,653, Nov. 20.
Gun sight mounting. G. M. and B. G. Fischer. 2,576,007, Nov. 20.
Gun trap for predatory animals. H. R. Graybill. 2,575,515, Nov. 20.
Hammer, Spike. H. H. Talboys and H. E. Erickson. 2,575,535, Nov. 20.
Hand power tool. J. Berta. 2,576,063, Nov. 20.
Handle-actuated blind riveting tool. J. N. Henshaw. 2,575,416, Nov. 20.
Handle and socket for a dolly, Detachable. E. E. Meilstrup. 2,575,391, Nov. 20.
Hanger construction and locking means therefor, Garment. A. Simon and B. Hackman. 2,575,979, Nov. 20.
Harvester, Cucumber. P. F. Price. 2,575,638, Nov. 20.
Harvester, Detachably mounted corn. R. C. Fergason. 2,575,620, Nov. 20.
Hay fork, Baled. A. R. Chauncey. 2,575,794, Nov. 20.
Hearing aid apparatus. H. J. McCreary. 2,575,671, Nov. 20.
Heat- and flame-resistant resinous refractories. E. Simon and F. W. Thomas. 2,575,686, Nov. 20.
Heat exchange employing granular particles, Process and apparatus for. L. J. Weber. 2,576,058, Nov. 20.
Heat, flame, and fire resistant sealants. E. Simon and F. W. Thomas. 2,575,687, Nov. 20.
Heat pump system. E. R. Ambrose and P. Sporn. 2,575,325, Nov. 20.
Heating apparatus, Forced air. C. W. Carlson. 2,575,907, Nov. 20.
Heavy metal borohydrides, Preparation of. H. R. Hoekstra and J. J. Katz. 2,575,760, Nov. 20.
Heddle and lingo and making the same, Combined. S. A. Ferrary. 2,576,005, Nov. 20.
Helicopter antitorque mechanism. G. F. Myers. 2,575,886, Nov. 20.
Hermetically sealed adjustable device. D. B. Peck. 2,575,726, Nov. 20.
High-frequency heating. W. S. Thompson. 2,575,604, Nov. 20.
High-frequency power and impedance monitor. W. H. Doherty, J. F. Morrison, and E. L. Younker. 2,575,799, Nov. 20.
High-pressure pipes and vessels, Production of. A. C. Vivian. 2,576,085, Nov. 20.
High-temperature gas valve. F. H. Johnson. 2,575,875, Nov. 20.
Hinge for combination storm windows, Spring. H. E. Graves, Jr. 2,575,623, Nov. 20.
Hod support. F. Di Dio. 2,575,617, Nov. 20.
Holder: *See*—
Ingot holder. Milk bottle holder.
Key holder. Pencil holder.
Holder and stretcher, Shoe. H. Chester. 2,575,408, Nov. 20.
Holder for ice-cream cans. W. C. Kuykendall. 2,575,592, Nov. 20.
Holder for shipping containers, Address card. F. L. Eastman. 2,575,913, Nov. 20.
Hollow display article. R. H. Erlewine. 2,575,512, Nov. 20.
Hook: *See*—
Bale handling hook.
Hot pin heading machine. F. J. Wright. 2,575,504, Nov. 20.
Housing means for rock drilling machines. G. A. Bergman. 2,575,859, Nov. 20.
Hydraulic fluid mechanism. J. W. Overbeke. 2,575,528, Nov. 20.
Hydraulic power device. R. D. Acton. 2,575,507, Nov. 20.
Hydrochloride film, Coated rubber. C. M. Carson. 2,575,581, Nov. 20.
Ice-making machine. E. C. Walsh. 2,575,374, Nov. 20.
Ice product and manufacturing. J. R. Bayston. 2,575,509, Nov. 20.
Illuminated cover plate for electrical outlets. W. C. Linton. 2,575,820, Nov. 20.
Impact tool. J. C. Lang. 2,575,455, Nov. 20.
Impact tool. W. G. Mitchell. 2,575,523, Nov. 20.
Implement and container therefor, Extensible and retractable. S. H. Bobrov. 2,575,788, Nov. 20.
Implement, Grapefruit cutting. F. R. Stemp. 2,575,848, Nov. 20.
Implement hitch for tool bar implements. T. Evans. 2,575,801, Nov. 20.
Implement, Pickup. F. M. Fraga. 2,575,622, Nov. 20.
Implement, Pickup. C. Payne. 2,575,561, Nov. 20.
Improvement of vegetable drying and semidrying oils. S. B. Radlove. 2,575,529, Nov. 20.
Impulse generating system. G. B. Parkinson. 2,575,559, Nov. 20.
Indicating device for improving skill in golf. S. N. Lemoyne. 2,575,668, Nov. 20.
Indicator: *See*—
Audio level indicator. Tire pressure indicator.
Automobile hood position-ing warning indicator.
Ingot holder. L. J. Nixon. 2,575,829, Nov. 20.
Injector apparatus. E. Williams, B. Whitehead, and J. P. Mercer. 2,575,646, Nov. 20.
Inoculator, Poultry and livestock. A. B. Willson. 2,575,648, Nov. 20.
Instrument balance mechanism. B. E. Lenehan. 2,575,720, Nov. 20.
Instrument, Measuring. E. B. Westerberg. 2,575,935, Nov. 20.
Insulated electrical conductor. P. Robinson and P. H. Netherwood. 2,576,045, Nov. 20.
Insulating covering. F. H. Brunnzell. 2,575,941, Nov. 20.
Integrating apparatus. R. W. Gilbert. 2,575,951, Nov. 20.
Intercooler and control system for turbo power plants. N. C. Price. 2,575,683, Nov. 20.
Internal-combustion engine. G. J. Lugt. 2,575,633, Nov. 20.
Interpolymers of unsaturated nitriles. M. Naps and F. E. Condo. 2,576,075, Nov. 20.
Inverter. D. J. Smith. 2,575,600, Nov. 20.
Ion exchange material and use thereof. E. L. and L. E. Holmes. 2,575,518, Nov. 20.
Iron choline citrates and preparing the same. F. J. Bandelin. 2,575,611, Nov. 20.
Ironer apparatus. G. H. Burt. 2,575,744, Nov. 20.
Isolating device. S. R. Smith, Jr. 2,575,931, Nov. 20.
Jack: *See*—
Lifting jack.
Jack. T. D. Ensey and M. Simmons. 2,575,659, Nov. 20.
Joint for tubular furniture frames. A. T. Shott. 2,576,049, Nov. 20.
Joint of the jaw type, Universal. G. B. Stillwagon, Jr. 2,575,602, Nov. 20.
Keyboard for typewriters. S. Piekarski. 2,576,039, Nov. 20.
Key container. A. D. Mitchell. 2,575,424, Nov. 20.
Key holder. H. R. Segal. 2,575,472, Nov. 20.
Knee joint of artificial legs. J. Fischer and P. R. Kluge. 2,575,802, Nov. 20.

Knife support for Axminster looms. J. H. Pfau. 2,575,834, Nov. 20.
Lamp fixture having a diffuser bowl with a circular fluorescent lamp surrounding the bowl. H. Brandeis. 2,575,486, Nov. 20.
Latch: *See*—
Door latch. Gate latch.
Latch mechanism for folding table leg assembly. E. J. Coffed. 2,575,942, Nov. 20.
Let-down type rigid top. A. H. Croucher. 2,575,864, Nov. 20.
Leuco sulfuric acid esters of vat dyestuffs and salts thereof, Preparing. J. Ogilvie and G. Genta. 2,575,463, Nov. 20.
Lifting jack. M. B. Janusz. 2,576,016, Nov. 20.
Lighter, Cigarette. A. F. Reilly. 2,576,042, Nov. 20.
Lightning protector for watt-hour meters. E. L. Keller. 2,575,715, Nov. 20.
Limit bridge detector. B. M. Wojciechowski. 2,576,059, Nov. 20.
Link mounted brake. C. E. Bricker. 2,575,578, Nov. 20.
Liquid flow control device. V. R. Pawelsky, L. V. McCarty, W. A. Biermann, and J. T. Dulak. 2,575,560, Nov. 20.
Live line detector. H. S. Petch. 2,575,680, Nov. 20.
Load compensating brake equipment. E. S. Cook, G. T. McClure, and J. W. Rush. 2,575,943, Nov. 20.
Load lifting device. H. E. Bramble. 2,575,485, Nov. 20.
Lock: *See*—
Permutation lock.
Lock device, Safety. G. T. Simmons. 2,575,401, Nov. 20.
Lock for diaphragm valves, Automatic stem. E. Wolff. 2,575,402, Nov. 20.
Lock for Venetian blinds, Cord. H. S. Rosenbaum. 2,575,395, Nov. 20.
Locking device. N. E. Blanke and H. J. Sands. 2,575,651, Nov. 20.
Locking device for castered airplane main landing wheels. O. W. Loudenslager. 2,575,761, Nov. 20.
Locking device for sliding doors. J. W. Patton. 2,575,465, Nov. 20.
Loose-leaf binder. A. Clarke and H. D. Cottrell. 2,575,583, Nov. 20.
Low-pressure and vacuum relief valve. R. A. Withrow and R. E. Colvard. 2,575,574, Nov. 20.
Lower aliphatic esters, Production of. M. Maincon. 2,575,722, Nov. 20.
Lubricating system for air motors. E. H. Shaff. 2,575,640, Nov. 20.
Machine for checking oiling systems of automobile, truck and tractor engines. C. E. Newman. 2,576,035, Nov. 20.
Machine for filling molds with liquid chocolate. S. E. Vingerling. 2,576,054, Nov. 20.
Machine for hard boiling and shelling of eggs. R. A. Williams, Sr. 2,575,608, Nov. 20.
Machine for making cotton tipped applicators. W. Ganz. 2,576,068, Nov. 20.
Machine for producing screened relief pattern plates. J. A. Boyajean, Jr. 2,575,546, Nov. 20.
Machine powered chuck. G. A. Highberg. 2,575,662, Nov. 20.
Machine tool positioning mechanism. C. B. De Vlieg. 2,575,945, Nov. 20.
Machine tool support assembly. M. I. Mathewson. 2,575,823, Nov. 20.
Magnetic fluid torque and force transmitting device. J. Rabinow. 2,575,360, Nov. 20.
Magnetic testing apparatus. K. E. Hofammann and S. M. Viele. 2,575,811, Nov. 20.
Making multiple bead pneumatic tire casings. H. T. Kraft. 2,575,878, Nov. 20.
Manufacturing capsules, Process and apparatus for. H. H. Bogin. 2,575,789, Nov. 20.
Masher and whipper, Potato. W. C. Scheidecker. 2,575,978, Nov. 20.
Measuring instrument for layout work, Combination. M. W. Willis. 2,575,697, Nov. 20.
Measuring tape and case therefor, Flexible. L. E. Mills. 2,575,354, Nov. 20.
Mechanic's support. W. S. Warren. 2,575,503, Nov. 20.
Melamine, Preparation of. W. J. Klapproth, Jr. 2,575,629, Nov. 20.
Melamine, Production of. J. S. Mackay and W. P. Lawler. 2,575,498, Nov. 20.
Metallo organic compounds. C. A. Kumins and J. R. McNesby. 2,575,347, Nov. 20.
Meter device, Parking. R. C. Alexander. 2,575,650, Nov. 20.
Microwave hybrid junction. H. T. Friis, W. D. Lewis, and L. C. Tillotson. 2,575,804, Nov. 20.
Mileage device. O. F. Bryant. 2,575,547, Nov. 20.
Milk bottle holder. E. M. Navarro. 2,575,971, Nov. 20.
Mill: *See*—
Crusher mill.
Milling machine attachment. J. R. La Rosee. 2,576,023, Nov. 20.
Mixing machine. J. A. Davis. 2,575,410, Nov. 20.
Moisture-proof sheet material, Manufacture of. R. T. K. Cornwell. 2,575,443, Nov. 20.
Molded athletic ball with lacing grip. A. R. Gow and C. J. Crowley. 2,575,414, Nov. 20.
Monopotassium phosphate piezoelectric crystals. M. Bruzau and C. Meuleau. 2,575,511, Nov. 20.
Motor and servo mechanism, Variable-speed. W. C. Robinette. 2,575,362, Nov. 20.
Motor control system. G. E. King. 2,575,717, Nov. 20.
Motor lift attachment. S. Rinkel. 2,575,564, Nov. 20.
Motor speed governor. T. Preston. 2,575,928, Nov. 20.
Motorized vehicle. G. K. Henney. 2,575,873, Nov. 20.
Mount reshaping apparatus. A. P. Russell. 2,575,771, Nov. 20.
Mounting: *See*—
Contact mounting. Oil burner mounting.
Gun sight mounting. Resilient mounting.
Movable machine mount-ing.
Movable machine mounting. A. H. McCallum, R. C. Breckenridge, and J. B. Case. 2,575,968, Nov. 20.
Movably mounted food support. R. P. Mitchell. 2,576,028, Nov. 20.
Mower, Tractor mounted reciprocating. W. E. Thornton-Trump. 2,575,369, Nov. 20.
Multiple carrier transmission system. W. R. Bennett and C. B. H. Feldman. 2,575,993, Nov. 20.
Multiple swing farm gate. T. J. Knight. 2,575,419, Nov. 20.
Multiplying device, Electronic. J. S. Compton and L. D. Kilheffer. 2,575,331, Nov. 20.
N-methyl oxazolidine-2,4 diones. M. A. Spielman. 2,575,692, Nov. 20.
Nail distributing and loading apparatus. E. C. Eldred, Jr. 2,575,336, Nov. 20.
Name plate device or the like. H. Lichty. 2,575,721, Nov. 20.
Nickel base high-temperature alloy. A. G. Guy. 2,575,915, Nov. 20.
Nickel formate, Manufacture of. I. E. Johnson. 2,576,072, Nov. 20.
Nickel-magnesia-zirconium silicate catalyst. J. H. Shapleigh. 2,575,324, Nov. 20.
Noise suppression circuit. M. J. Di Toro. 2,575,333, Nov. 20.
Nozzle for downstream end of jet pipe in jet propulsion units, Variable-area. A. A. Lombard. 2,575,879, Nov. 20.
Oil burner mounting. R. W. Boarman. 2,575,613, Nov. 20.
Oil-in-oil emulsions, Production of. A. Herlow. 2,575,874, Nov. 20.
1 2-dihydropyridazine-3, 6-dione, Preparation of. W. D. Harris and D. L. Schoene. 2,575,954, Nov. 20.
Operating mechanism. A. D. MacLean. 2,575,964, Nov. 20.
Optical element of polymerized methacrylate resin coated with thin film of thermoset resin. D. P. Cooper, Jr. 2,575,998, Nov. 20.
Organolead compounds, Manufacture of. H. Shapiro and E. G. De Witt. 2,575,323, Nov. 20.
Oscillator, Harmonic crystal. B. H. Simons. 2,575,363, Nov. 20.
Oscillator, Vacuum tube. R. M. Baker. 2,575,702, Nov. 20.
Overshoe with retaining strap, Lady's rubber. C. Markell. 2,575,762, Nov. 20.
Oxygen regulator. C. H. Sollmann. 2,575,366, Nov. 20.
Ozone generator. A. C. James. 2,575,664, Nov. 20.
Ozonization of adducts of dehydroergosteryl esters. R. H. Levin. 2,575,350, Nov. 20.
Package for a belt. V. T. Howard. 2,576,070, Nov. 20.
Packaging. E. F. Cadmus. 2,575,580, Nov. 20.
Packing food products. E. H. Carruthers. 2,575,703, Nov. 20.
Padding for packings and manufacturing the same. P. Tadinger. 2,575,898, Nov. 20.
Parachute. H. and T. Kluglein. 2,575,387, Nov. 20.
Parallel motion. E. A. Mastriani and K. Kulczycki. 2,575,456, Nov. 20.
Pencil holder. M. Klaar. 2,575,591, Nov. 20.
Percussion drill bit body. A. H. and J. H. Alexander. 2,575,438, Nov. 20.
Permutation lock. H. C. Miller. 2,575,674, Nov. 20.
Phosphates of amylaceous polysaccharides. R. L. Lohmar, Jr. 2,575,352, Nov. 20.
Phosphoric acid catalyst on a precalcined silico-phosphoric acid base, Preparation of. J. M. Mavity. 2,575,457, Nov. 20.
Photogram printer with a point light source and arcuate reflector. F. D. Fousek. 2,575,621, Nov. 20.
Photographic apparatus. E. H. Land. 2,576,022, Nov. 20.
Physically enlarging a photographic color transparency. W. J. Nagel. 2,575,970, Nov. 20.
Pickup tube residual scanning eliminator. P. K. Weimer. 2,575,477, Nov. 20.
Piezoelectric phonograph pickup. J. E. Cordes. 2,575,999, Nov. 20.
Pipe-line swab with expansible element. J. E. Hall. 2,575,624, Nov. 20.
Pipe slip actuator. G. E. Mullinix. 2,575,356, Nov. 20.
Piston packing. C. A. Marien and F. D. Frisby. 2,575,500, Nov. 20.
Plan position indicator circuit. C. A. Washburn. 2,576,057, Nov. 20.

Plane. N. Binger. 2,575,787, Nov. 20.
Plant growth regulation. N. Tischler. 2,576,083, Nov. 20.
Plant growth regulation. N. Tischler and E. P. Bell. 2,576,080–2, Nov. 20.
Plasticized resin compositions, Production of. D. Faulkner, H. M. Stanley, and J. J. P. Staudinger. 2,575,444, Nov. 20.
Platform for industrial trucks, Tiltable. W. S. Glenn, Jr. 2,575,552, Nov. 20.
Plant former and holder. A. R. Sylvanus. 2,575,642, Nov. 20.
Plier type tile piercing tool. K. J. Klenk. 2,575,630, Nov. 20.
Plow, Automatic two-way. H. Rogers and W. F. Mellen. 2,575,428, Nov. 20.
Plow, Four-bottom two-way. H. Rogers and W. F. Mellen. 2,575,429, Nov. 20.
Plow, Two-way. O. W. Oerman. 2,575,527, Nov. 20.
Pole storage rack. W. D. Kmentt. 2,575,453, Nov. 20.
Polymeric lubricating oil additives. J. H. Bartlett. 2,575,992, Nov. 20.
Polyolefinic hydrocarbon drying oils, Producing. R. J. Lee and P. S. Drennan. 2,575,718, Nov. 20.
Polyphase dynamoelectric machine, Two-speed. L. A. Kilgore. 2,575,716, Nov. 20.
Portable communion cabinet. J. H. Sweeney. 2,576,052, Nov. 20.
Position sensing device. D. H. Gridley. 2,575,342, Nov. 20.
Power tool chuck. J. Youhouse. 2,575,903, Nov. 20.
Power transmission control mechanism. T. L. Mayrath. 2,575,884, Nov. 20.
Preparing high-temperature lubricating greases. A. J. Morway and J. J. Kolfenbach. 2,576,033, Nov. 20.
Preservation of milk by the use of water soluble chlorites. J. D. MacMahon. 2,575,670, Nov. 20.
Press. E. L. Schulman. 2,575,734, Nov. 20.
Pressing machine, Shoe. C. K. Woodman. 2,575,436, Nov. 20.
Printing and registering machine, Selectable value ticket. G. E. Sundman. 2,575,897, Nov. 20.
Printing electrically, Method and apparatus for. R. M. Schaffert. 2,576,047, Nov. 20.
Producing and refining ethyl alcohol. R. L. Maycock and C. L. Dunn. 2,575,556, Nov. 20.
Producing stable aqueous dispersions of polymer containing plasticizers therefor. E. C. H. Kolvoort. 2,575,553, Nov. 20.
Profiling turbine and compressor-blading. W. E. Dazeley. 2,575,865, Nov. 20.
Projector, Moving-picture sound. E. A. Bullock and H. E. Outland. 2,575,579, Nov. 20.
Projector unit. R. K. Braunsdorff. 2,575,790, Nov. 20.
Protein purification process and proteinaceous product. A. L. Caldwell. 2,576,066, Nov. 20.
Pulse generator. H. L. Glick. 2,575,708, Nov. 20.
Pump: *See*—
Acid pump. Fuel injection pump.
Diaphragm pump.
Pump discharge valve. E. A. Neu, Jr. 2,575,677, Nov. 20.
Pump piston. J. W. MacClatchie. 2,576,025, Nov. 20.
Pumping volatile liquids, Method and apparatus for. K. D. McMahan and K. A. Darrow. 2,575,923, Nov. 20.
Pyromellitic acid, Manufacture of. J. J. A. Knops. 2,576,020, Nov. 20.
Quick disassembly slide fastener. R. I. Prupis. 2,575,502, Nov. 20.
Quick disassembly slide fastener. F. Ulrich. 2,575,501, Nov. 20.
Rack: *See*—
Pole storage rack.
Rack for oil cans, Draining. R. R. Hankins. 2,575,809, Nov. 20.
Radio-frequency calorimeter wattmeter. J. M. Wolf. 2,576,060, Nov. 20.
Rail detector controller for drawbridges. G. V. Jefferson. 2,575,815, Nov. 20.
Railway car framing structure. O. A. Kuhler. 2,575,454, Nov. 20.
Railway car truck bolster. C. L. Orr. 2,575,888, Nov. 20.
Razor. C. R. Bennett. 2,575,539, Nov. 20.
Reaction propulsion aircraft power plant having independently rotating compressor and turbine blading stages. N. C. Price. 2,575,682, Nov. 20.
Receptacle: *See*—
Ash receptacle.
Reciprocating piston and cylinder mechanism. P. K. Rice. 2,575,394, Nov. 20.
Recorder construction, Facsimile. J. V. L. Hogan. 2,575,959, Nov. 20.
Recorder, Mass spectrometer. J. A. Hipple, Jr., and D. J. Grove. 2,575,711, Nov. 20.
Recording and reproducing apparatus, Multiple sound. A. F. von Soden. 2,575,570, Nov. 20.
Recovery of butadiene from cyclohexane pyrolate. H. A. Gollmar. 2, 575,341, Nov. 20.
Rectifier, Salt bath. E. N. Case. 2,575,322, Nov. 20.
Rectifiers, Electrical. V. K. Kofron. 2,575,388, Nov. 20.
Reel for a fishing pole and locking means therefor, Combined. K. M. Fritts. 2,575,588, Nov. 20.
Refrigerated display and dispensing unit. W. S. Vorwick and D. W. Kennedy. 2,575,434, Nov. 20.
Refrigerator truck safety device. O. A. Brouer. 2,575,939, Nov. 20.
Register, Autographic. F. E. Lanegan. 2,575,421, Nov. 20.
Register resetting apparatus, Hydraulic. R. B. Pressler. 2,575,562, Nov. 20.
Regulator: *See*—
Oxygen regulator.
Reinforced web and method and apparatus for forming same. W. A. Knudson. 2,575,666, Nov. 20.
Relief valve. J. Mercier. 2,575,969, Nov. 20.
Remote control and answer-back system. H. J. Nichols. 2,575,357, Nov. 20.
Removable fibre glass filter. M. S. Manow. 2,575,499, Nov. 20.
Resilient mounting. J. R. Bennett. 2,575,858, Nov. 20.
Retractable step. W. J. Crump. 2,575,615, Nov. 20.
Rheostat. S. L. Richman and A. Fitchman. 2,576,044, Nov. 20.
Rigid joint between tubular structures. R. D. Malm. 2,575,965, Nov. 20.
Rock drill. J. D. Ditson. 2,575,619, Nov. 20.
Rock drill. J. S. Robbins. 2,575,975, Nov. 20.
Rolling chapel tent construction. C. M. Wickstrum. 2,575,572, Nov. 20.
Rotary scraping device for cleaning surface pitted pipe. J. C. Johnson. 2,575,816, Nov. 20.
Rotary shaft seal. W. Doble. 2,575,549, Nov. 20.
Rotary tool. W. G. Mitchell. 2,575,524, Nov. 20.
Rotor blade mounting and control. C. M. Seibel. 2,575,533, Nov. 20.
Rubber dome for underwater sound. J. W. Fitzgerald. 2,575,339, Nov. 20.
Rubber shock absorbing means for railway draft riggings. G. E. Dath. 2,575,491, Nov. 20.
Ruling engine. J. D. Strong. 2,575,367, Nov. 20.
Safe deposit box identifying means. W. R. Parvin. 2,575,767, Nov. 20.
Safety overload clutch. R. E. Stutzke. 2,575,475, Nov. 20.
Sash. C. M. Verhagen. 2,575,854, Nov. 20.
Sash construction. E. Clerk. 2,575,655, Nov. 20.
Saw attachment for farm tractors, Timber-mowing. R. C. Way. 2,575,696, Nov. 20.
Scaffold base. Adjustable. T. C. North. 2,575,461, Nov. 20.
Scanning of sound records. W. E. Germer. 2,575,445, Nov. 20.
Screw driver, Power operated screw stick. W. G. Mitchell. 2,575,525, Nov. 20.
Screw driver, Screw holding. F. O. Selseth. 2,575,473, Nov. 20.
Scrotum sleeve. W. P. Laser. 2,576,024, Nov. 20.
Sealing device for dry cells. G. B. Ellis. 2,575,337, Nov. 20.
Sealing-in machine for tubular double-ended lamps. P. O. Cartun. 2,575,746, Nov. 20.
Seat: *See*—
Semirevolving vehicle seat.
Seat cover. R. E. Carter and H. M. Hutchinson. 2,575,548, Nov. 20.
Seat for automobiles or other vehicles, Convertible. N. E. Simoneaux. 2,575,773, Nov. 20.
Seat suspension. A. S. Krotz. 2,575,496, Nov. 20.
Seating unit, Portable. B. S. Haley and E. B. Conron. 2,575,953, Nov. 20.
Selector binder. S. I. Berger. 2,575,482, Nov. 20.
Self-setting rodent trap. G. B. Wilken. 2,575,435, Nov. 20.
Self-washing centrifuge. R. D. Acton. 2,575,506, Nov. 20.
Semirevolving vehicle seat. G. T. Fair. 2,576,004, Nov. 20.
Separable slip. S. Katz. 2,575,918, Nov. 20.
Separating fatty acids. L. D. Myers. 2,575,526, Nov. 20.
Separator: *See*—
Centrifugal gas-liquid separator. Cyclone separator.
Sewing machine, Carpet. M. F. Ashley and E. W. Fearing. 2,575,327, Nov. 20.
Shaving apparatus. V. R. Abrams and J. Lorenz. 2,575,741, Nov. 20.
Sheet delivery and stacking. L. H. Haskin, Jr. 2,576,013, Nov. 20.
Shipping container. M. Baumann. 2,575,784, Nov. 20.
Shoe heel, Antisplash. W. H. Dotzenroth. 2,575,752, Nov. 20.
Side support for sliding drawers and the like, Extensible. H. Shand. 2,575,566, Nov. 20.
Signal clearing relay for centralized traffic control systems of the code type. J. I. Grammer. 2,576,010, Nov. 20.
Signal for vehicles, Turn. J. D. Jackson. 2,575,418, Nov. 20.
Signaling system, Voice-operated. R. C. Mathes. 2,575,910, Nov. 20.
Silicone resin solutions. C. D. Doyle. 2,575,912, Nov. 20.
Single unit hydraulic check. F. C. Lornitzo. 2,575,389, Nov. 20.
Skimmer. H. C. Pearsall. 2,575,768, Nov. 20.
Sleep inhibitor for motor vehicle operators. J. S. Murray. 2,575,926, Nov. 20.
Sleeve joint for concrete tubes. A. J. Gurck. 2,576,012, Nov. 20.
Smoker's pipe cleaner. A. Marshall. 2,575,634, Nov. 20.
Smoking article. A. S. Carlson. 2,575,488, Nov. 20.

Socket for an elongated tubular lamp having contact pins at its ends. J. Semeyn. 2,575,597, Nov. 20.
Soldering connector of dry batteries. A. F. Rock. 2,575,976, Nov. 20.
Soldering flux. W. B. Franklin. 2,575,413, Nov. 20.
Speed control system for capacitor motors. J. H. Trevitt. 2,576,084, Nov. 20.
Speed measuring mechanism. A. J. Hornfeck. 2,575,494, Nov. 20.
Spherical rotary conveyer type trap chamber dispenser. C. E. May. 2,575,967, Nov. 20.
Spraying device. R. J. Ireland. 2,575,521, Nov. 20.
Spring bending machine. L. Miklic. 2,575,827, Nov. 20.
Sprinkler, Mobile mechanically propelled. C. G. Muench. 2,575,828, Nov. 20.
Stamp, Rubber. E. Schenker. 2,575,772, Nov. 20.
Stand: *See*—
Collapsible stand.
Stand for supporting hods and the like, Collapsible. P. Thomson. 2,575,645, Nov. 20.
Starch solutions, Manufacturing. J. Lolkema and W. A. van der Meer. 2,575,423, Nov. 20.
Steam superheat control by automatic and extended-range means. H. C. Mittendorf. 2,575,885, Nov. 20.
Step for trailers and other vehicles. E. L. Wiedman. 2,575,573, Nov. 20.
Storage system. T. S. Skillman. 2,575,847, Nov. 20.
Stove for steam bath rooms, Steam-generating. K. B. Bergom. 2,575,860, Nov. 20.
Strainer, Lint. L. J. Wubbe. 2,575,542, Nov. 20.
Strainer, Sanitary pick-out free-bottom sink. J. W. Crall. 2,575,586, Nov. 20.
Straw cutting mechanism for straw manufacturing machines. A. A. Heyman. 2,575,417, Nov. 20.
Stuffing casings, Process and apparatus for. F. H. Reichel and C. L. Harder. 2,575,467, Nov. 20.
Sulfonyl fluorides of amino azo dyestuffs. R. P. Parker and C. M. Hofmann. 2,576,037, Nov. 20.
Support: *See*—
Drill pipe support. Movable mounted food support.
Hod support. Violin support.
Mechanic's support.
Support for horn mutes. L. Chenava. 2,575,795, Nov. 20.
Support for ironing boards, Foldable garment. C. L. Chandler. 2,576,067, Nov. 20.
Support structure for screening cylinders. G. W. Borton. 2,575,484, Nov. 20.
Surgical cast. J. E. Means. 2,576,027, Nov. 20.
Switch: *See*—
Control switch.
Crown block safety switch. Electronic switch.
Glow tube switch.
Switch assembly, High-voltage. W. H. Gilliland and F. H. Turnham. 2,575,707, Nov. 20.
Switch having slow-acting relay in magnet circuit, Selector. S. Rudeforth. 2,575,842, Nov. 20.
Switches, Combination one- and two-digit selector. H. W. Balzer. 2,575,780, Nov. 20.
Swivel coupling. W. J. S. Johnson. 2,575,917, Nov. 20.
Syringe, Plastic hypodermic. H. W. Nelson. 2,575,425, Nov. 20.
System of freight loading and handling. L. N. Anderson. 2,575,326, Nov. 20.
Table and shelves, Combination. G. W. McKay. 2,575,725, Nov. 20.
Tangential acceleration gauge. T. M. Perry. 2,575,973, Nov. 20.
Tank: *See*—
Wing-tip fuel tank.
Tape feeding and severing mechanism for marking machines. P. N. Braun. 2,575,407, Nov. 20.
Tape storage mechanism. J. W. Schmied. 2,575,397, Nov. 20.
Taping machine, Box blank. C. D. Nitchie. 2,575,887, Nov. 20.
Telegraph switching system. W. B. Blanton and G. G. Light. 2,575,329, Nov. 20.
Temperature measuring device. D. F. Langenwalter. 2,575,922, Nov. 20.
Textile lubricant. G. W. Seymour and M. Duke. 2,575,399, Nov. 20.
Therapeutic product, Producing. V. Menkin. 2,575,763, Nov. 20.
Thermal meter, including variable positioning means for active elements. A. J. Petzinger. 2,575,728, Nov. 20.
Thermochemically cutting metals. J. S. Sohn. 2,575,736, Nov. 20.
Thread holder for weft replenishing loom, Pneumatic. R. G. Turner. 2,575,853, Nov. 20.
Thread winder. A. S. Huntington. 2,575,960, Nov. 20.
3,5-dimethyl-5-ethyloxazolidine-2,4-dione. M. A. Spielman. 2,575,693, Nov. 20.
3,5,5-trimethyloxazolidine-2,4-dione. M. A. Spielman. 2,575,694, Nov. 20.
3-fluorosalicylaldehyde, Production of. E. C. Britton and J. D. Head. 2,576,064, Nov. 20.
3-fluorosalicylaldehyde, Prepaartion of. E. C. Britton and J. D. Head. 2,576,065, Nov. 20.
Threshold plate assembly. C. C. Curley. 2,575,657, Nov. 20.
Throttle control. R. H. Wheeler. 2,575,901, Nov. 20.
Throttle control for motor vehicle engines. E. C. Horton. 2,575,384, Nov. 20.
Thrust bearing. J. M. O'Malley. 2,575,830, Nov. 20.
Tire. W. F. Billingsley. 2,575,439, Nov. 20.
Tire inflating device. J. K. Clifford. 2,575,908, Nov. 20.
Tire pressure indicator. R. L. Steven. 2,575,849, Nov. 20.
Tire removing device, Portable jack actuated. G. C. Carlson. 2,575,330, Nov. 20.
Titanium alloy. R. I. Jaffee, H. R. Ogden, and D. J. Maykuth. 2,575,962, Nov. 20.
Tobacco substitute containing bagasse. J. U. Koree. 2,576,021, Nov. 20.
Toe spacing device. S. Ferri. 2,575,867–8, Nov. 20.
Toilet bowl deodorant dispenser. E. S. Neal. 2,575,676, Nov. 20.
Toilet, Ventilated. T. R. Wilson. 2,575,778, Nov. 20.
Tool: *See*—
Cementing tool. Impact tool.
Drilling tool. Plier type tile piercing tool.
Hand power tool. Rotary tool.
Handle-actuated blind riveting tool.
Tool for expanding cylinder liners. A. M. Brenneke. 2,575,938, Nov. 20.
Tool for positioning a stud on a sill. F. Rienecker. 2,575,595, Nov. 20.
Tool for upsetting internally threaded rivets. H. E. Wilt and R. H. Gill. 2,575,479, Nov. 20.
Torque-limiting wrench. W. F. Hoag and C. F. Carlson. 2,576,069, Nov. 20.
Tow bar. F. S. Rettinger. 2,575,596, Nov. 20.
Toy, Returning roll. E. R. Biggs. 2,575,743, Nov. 20.
Train parallax computer. F. L. Hereford, Jr., and W. D. Whitehead, Jr. 2,575,956, Nov. 20.
Transfer needle. J. Sirmay. 2,575,365, Nov. 20.
Transformer bushing terminal and hinged cover therefor. J. J. Zimsky. 2,575,480, Nov. 20.
Transmission. F. R. McFarland. 2,575,522, Nov. 20.
Transmission control mechanism. E. R. Price. 2,575,891, Nov. 20.
Transmitter with two prime movers, Telemetering. C. A. de Giers and A. Edelman. 2,575,616, Nov. 20.
Trap: *See*—
Self-setting rodent trap.
Traveling endless track. O. Singer. 2,575,845, Nov. 20.
Tray, Built-up letter. H. L. Kautzmann and J. A. Berardi. 2,575,919, Nov. 20.
Tray, Cigarette. J. M. Kisselle. 2,576,019, Nov. 20.
Tray, Dental. M. J. Thompson. 2,575,432, Nov. 20.
Treating edible produce, Method of and apparatus for. J. L. Parnell. 2,575,426, Nov. 20.
Treating Kovar. R. O. McIntosh. 2,575,724, Nov. 20.
Treating proteinaceous fibers. L. W. Rainard. 2,575,837, Nov. 20.
Treatment of metalworking tools. E. T. Pavlock. 2,575,427, Nov. 20.
Treatment of petroleum distillates. E. Arundale and J. P. Thorn. 2,575,989, Nov. 20.
Treatment of the white fraction latex in which nonrubber constituents are decomposed. L. N. S. Homans. 2,575,663, Nov. 20.
Tripod gun mount. P. P. Glassey. 2,575,805, Nov. 20.
Trolley conveyer drive. A. G. Rose. 2,575,684, Nov. 20.
Trolley propelling device for conveyer systems. A. J. Schenk. 2,575,396, Nov. 20.
Truck for handling cylinders of compressed gas or the like. R. C. Schum. 2,576,048, Nov. 20.
Tube centering device, Cathode-ray. E. Pohle. 2,575,835, Nov. 20.
Tube liner for high temperature melamine plant, Graphite reaction. J. S. Mackay and J. R. Bower, Jr. 2,575,497, Nov. 20.
Tuning apparatus, High-frequency. C. Dodd. 2,575,334, Nov. 20.
Tuning device, Spiral. P. Ware. 2,575,856, Nov. 20.
Tweezer article, Pocket. R. Y. Bovee. 2,575,652, Nov. 20.
24-aryl-5,23-choladienes. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,575,351, Nov. 20.
Twisting and winding machine drive system. J. A. Truitt. 2,575,476, Nov. 20.
2-(2-cycloalkenyl) cycloalkanols, Preparation of. E. L. Pelton. 2,576,078, Nov. 20.
Undergarment for men, Nether. W. W. Artzt. 2,575,701, Nov. 20.
Upholstery and manufacture, Air-filled. H. G. Morner. 2,575,764, Nov. 20.
Utilizing solar energy, Method and system for. L. T. Wilson. 2,575,478, Nov. 20.
Vacuum cleaner with illuminating device. W. O. Langille. 2,575,554, Nov. 20.
Vacuum exhaust. J. H. Wilson. 2,575,698, Nov. 20.
Vacuum mandrel. E. A. Link. 2,575,631, Nov. 20.
Valve: *See*—
Adjustable magnetic pressure valve. Low-pressure and vacuum relief valve.
Automatic deluge valve. Pump discharge valve.
Check valve. Relief valve.
Diaphragm valve.
High-temperature gas valve.
Valve. J. J. Olsen. 2,575,464, Nov. 20.
Valve controlling mechanism for electric circuit breakers, Automatic. J. W. Timmerman, Jr. 2,575,934, Nov. 20.

Valve for air brake control. F. S. Swickard. 2,575,850, Nov. 20.
Valve for metering system. C. D. Hirst and G. L. Woodlington. 2,575,810, Nov. 20.
Vehicle: *See*—
Motorized vehicle.
Vehicle brake. P. Farkas. 2,575,706, Nov. 20.
Vending machine. N. B. Wales and N. B. Wales, Jr. 2,575,606, Nov. 20.
Ventilator. C. B. Parkhurst. 2,575,679, Nov. 20.
Vertical flue boiler. B. W. Mandelburg. 2,575,723, Nov. 20.
Vertical gas scrubber. R. C. Ortgies. 2,575,359, Nov. 20.
Vessel, Milk temperature conditioning. M. A. Soden. 2,576,050, Nov. 20.
Vessel, Pressure resisting heating. K. K. K. Krøyer. 2,575,667, Nov. 20.
Violin holder and harness. M. E. Johnson. 2,576,018, Nov. 20.
Violin support. E. M. Ungh. 2,575,569, Nov. 20.
Vise, Jeweler's. A. C. Stoddard. 2,576,051, Nov. 20.
Visor for automobile windows, External. P. J. Geldl. 2,575,660, Nov. 20.
Visor for automobiles, Detachable. W. A. Thorne. 2,575,933, Nov. 20.
Voice-operated system. K. H. Davis and R. K. Potter. 2,575,909, Nov. 20.
Voltmeter, Expanded scale root mean square type. A. Hunblasky. 2,575,996, Nov. 20.
Volume control, Automatic. H. W. Augustadt. 2,575,990, Nov. 20.
Wagon for transporting heavy articles, Handy. R. M. Singer. 2,575,846, Nov. 20.
Wall cabinet. R. B. Reid. 2,575,530, Nov. 20.
Warmer, Popcorn. R. N. Tamsen. 2,575,643, Nov. 20.
Warp beam lifting mechanism. E. A. Kiessling, F. G. Lake, and F. Stephensen. 2,575,451, Nov. 20.
Washing machine. P. W. Douglas. 2,575,335, Nov. 20.
Washing machine of the cylindrical container, end discharge type. H. Miller. 2,575,673, Nov. 20.
Waste flow control. E. W. N. Boosey. 2,575,905, Nov. 20.
Watch or clock movement. F. L. Ziebart. 2,575,437, Nov. 20.
Wave-signal directional coupler. H. A. Wheeler. 2,575,571, Nov. 20.
Wax carrier and applicator for embalmers. D. R. Smith. 2,575,431, Nov. 20.
Wearing apparel and making the same. W. W. Artzt. 2,575,700, Nov. 20.
Weatherstrip means. A. Bush. 2,575,793, Nov. 20.
Weather strip structure for doors. W. T. Moten. 2,575,459, Nov. 20.
Wet blasting machine. W. I. Gladfelter and R. R. Garver. 2,576,008, Nov. 20.
Wheeled golf bag carrier. A. M. Schwartz. 2,575,930, Nov. 20.
Window for pressurized chambers. D. J. Hardy. 2,575,757, Nov. 20.
Window with sash locking spring. B. M. Altwies. 2,575,575, Nov. 20.
Windshield wiper. W. P. Ozarowski. 2,576,077, Nov. 20.
Wing-tip fuel tank. I. R. Stoughton. 2,575,534, Nov. 20.
Wire connector. C. H. Walsh. 2,576,055, Nov. 20.
Wire enamelling die. R. H. Denham. 2,575,911, Nov. 20.
Wire fastener. S. W. Anderson. 2,575,481, Nov. 20.
Wire handling apparatus. P. A. Beaman and J. R. North. 2,575,785, Nov. 20.
Wire tying machine, Automatic. W. F. Vining and M. L. Rowe. 2,575,899, Nov. 20.
Working railroad ballast, Method and apparatus for. J. H. McFadden. 2,575,390, Nov. 20.
Wrench: *See*—
Torque-limiting wrench.
Wrench and reamer, Electrician's. P. W. Young. 2,575,779, Nov. 20.
Wrench with resilient shoes, Pivoted link jar cap. H. M. Fredholm. 2,575,950, Nov. 20.
Yankee drier. H. M. Ostertag and J. H. Masshard. 2,576,036, Nov. 20.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 20, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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244— 103: 2,575,761
135: 2,575,534
152: 2,575,387
246— 3: 2,576,010
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118: 2,575,815
248— 26: 2,575,858
149: 2,575,617
166: 2,575,645
250— 3: 2,575,340
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257— 5: 2,575,325
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95: 2,576,036
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259— 9: 2,575,410
260— 17.2: 2,575,423
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262— 33: 2,575,980
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271— 2.1: 2,575,397
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280— 5.24: 2,575,846
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31: 2,575,756
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224: 2,575,716
257: 2,575,362
321— 5: 2,575,600
323— 4: 2,576,056
332— 40: 2,575,993
343— 11: 2,576,057
117: 2,575,890
346— 33: 2,575,711
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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2,575,325: 257—5
2,575,339: 181— 5
2,575,347: 260—408
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2,576,029: 250—27
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2,576,037: 260—207.5
2,576,040: 315—9
2,576,058: 257—55
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Classification of Designs

D 4—47: Des. 165,251
D 5— 4: Des. 165,245
D 7— 4: Des. 165,214
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D13— 1: Des. 165,218
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U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business Nov. 2, 1951

Total number of patent applications awaiting action, 105,900. Date of oldest new application, December 14, 1950; date of oldest amended application, December 13, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	12-14-50	12-23-50	2262
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	3-23-51	3-2-51	1143
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-8-51	3-6-51	1552
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	1-16-51	1-16-51	1998
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	3-26-51	3-28-51	1007
6. SURLE, H., Carbon Chemistry (part)	2-16-51	2-15-51	1907
7. GONSALVES, J. E., Optics; Photography (part)	3-8-51	3-8-51	1307
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-24-51	1-23-51	1834
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	1-23-51	1-23-51	1560
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-27-51	1-10-51	1199
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	2-12-51	2-6-51	991
12. SPINTMAN, S., Machine Elements (part): Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-9-51	2-8-51	1061
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	1-23-51	1-17-51	1216
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	1-17-51	1-19-51	1615
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-2-51	3-12-51	1278
16. LOVEWELL, N. N., Television, Telephony	1-6-51	1-3-51	1318
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	1-5-51	1-4-51	1636
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-8-51	1-8-51	1546
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	1-2-51	1-8-51	1170
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	1-10-51	1-10-51	1468
21. MADER, R. C., Textiles	12-27-50	12-29-50	1512
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	1-11-51	1-10-51	1237
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-4-51	1-4-51	833
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-10-51	3-6-51	1659
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-9-51	2-5-51	1411
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-11-51	1-6-51	1191
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	12-14-50	12-13-50	2171
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	1-15-51	1-5-51	1546
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-5-51	1-10-51	1563
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	3-5-51	3-2-51	1568
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-27-51	2-23-51	1967
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	1-17-51	1-12-51	1301
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	2-12-51	2-1-51	2194
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	2-2-51	2-2-51	1262
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	1-3-51	12-19-50	1659
36. McFADYEN, A. D., Measuring and Testing	1-4-51	1-4-51	1358
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	3-2-51	3-2-51	1242
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	2-23-51	2-1-51	1351
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	2-27-51	2-23-51	2052
40. DRUMMOND, E. J., Receptacles (part); Packages	1-8-51	1-18-51	2609
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-8-51	1-2-51	1234

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,900. Date of oldest new application, December 14, 1950; date of oldest amended application, December 13, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	1-3-51	1-9-51	1412
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	3-24-51	3-7-51	1037
44. HARVEY, L. P., Beds; Chairs, Seats	1-16-51	1-4-51	1494
45. MANIAN, J. A., Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	12-27-50	12-26-50	1609
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	2-5-51	1-24-51	990
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	1-11-51	1-26-51	1465
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	1-4-51	1-4-51	1440
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	1-17-51	1-15-51	1654
50. LEVIN, S., Synthetic Resins	5-4-51	4-13-51	1474
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	1-9-51	1-5-51	1080
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	1-10-51	1-9-51	2368
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	2-9-51	2-5-51	1127
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	1-26-51	1-16-51	1659
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	2-27-51	2-23-51	1123
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	2-26-51	2-23-51	1662
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	2-19-51	2-14-51	1770
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	1-17-51	1-11-51	1236
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	2-6-51	2-1-51	1284
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	1-18-51	1-30-51	1142
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	1-10-51	1-12-51	1453
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	1-23-51	1-22-51	1455
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	3-1-51	2-9-51	1713
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	3-26-51	3-29-51	1798
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-10-51	2-9-51	1529
66. LISANN, L., Geometrical Instruments; Automatic Weighers; Weighing Scales	1-3-51	1-6-51	1196
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	2-14-51	2-2-51	1312
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	1-19-51	1-12-51	1773
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	1-9-51	1-10-51	1389
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	1-5-51	1-8-51	1042
DESIGNS: A. BREHM, G. L., Industrial Arts	6-6-51	6-7-51	890
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	6-13-51	6-6-51	736

Total number of trade-mark applications awaiting action (including renewals and republications), 16,631. Date of oldest new application, April 4, 1951; date of oldest amended application, April 4, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	4-4-51	4-4-51	5111
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	4-30-51	5-1-51	3347
Renewals (All Classes)	8-24-51	9-27-51	599
Republications (All Classes)	9-12-51	9-27-51	246
III. RACKNOR, M., Classes 2, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	4-4-51	4-5-51	4042
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	4-20-51	4-20-51	3286

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,974,892, A. S. Lunn, Bag and method of attaching closure thereto, D. C., N. D. Calif. (San Francisco), Doc. 29837, *A. S. Lunn* v. *F. W. Woolworth Co.* Patent held infringed Oct. 12, 1951.

2,018,755, M. W. Zander, Air cleaner, D. C., N. D. Ill. (Chicago), Doc. 47c1293, *United Specialties Co. et al.* v. *Houdaille-Hershey Corp. et al.* Order by stipulation, cause dismissed Oct. 9, 1951.

2,031,427, W. A. Papworth, Centrifugal clothes dryer, D. C., S. D. N. Y., Doc. 49/639, *Easy Washing Machine Corp.* v. *R. H. Macy & Co., Inc., et al.* Consent judgment holding patent valid, defendants enjoined Oct. 5, 1951.

2,063,542, C. Ellis, Diene resin, D. C. N. J. (Newark), Doc. 6814, *Ellis-Foster Co.* v. *Reichhold Chemicals, Inc.* Complaint dismissed; claims 2, 17, 19, and 28 held invalid (notice Oct. 18, 1951).

2,200,504, T. A. Keen, Starting box, D. C. Ariz. (Phoenix), Doc. 1255, *Puett Electrical Starting Gate Corp et al.* v. *Ingleside Turf Club, Inc., et al.* Consent decree for plaintiffs dismissing suit as to Ingleside Turf Club, patent held valid and infringed Sept. 26, 1951.

2,273,266, R. A. Himes, Bottle carrier, filed Oct. 12, 1951, D. C., E. D. Mo. (St. Louis), Doc. 8188(1), *Nolox Co. of America* v. *Gaylord Container Corp.*

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, filed Feb. 26, 1951, D. C. Minn. (Minneapolis), Doc. 3865, *Greenbrier Co. et al.* v. *Land O'Lakes Creameries, Inc.*

2,301,081, B. Rosenberg, Window curtain, filed Oct. 12, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12817, *Cameo Curtains, Inc.* v. *J. London & Co.*

2,371,179, J. C. Mendes, Collating machine and method of assembling sheets, D. C. Mass. (Boston), Doc. 8910, *Graphic Machine Corp.* v. *Hub Manifold.* "Case settled" Nov. 14, 1950.

2,376,403, Thompson & Doggett, Electric selective drink vending machine, suit for declaratory judgment filed Oct. 16, 1951, D. C., S. D. N. Y., Doc. 70/179, *Spacarb, Inc.* v. *Automatic Canteen Co. of America.* Same, filed Oct. 23, 1951, D. C. Del. (Wilmington), Doc. 1409, *Spacarb, Inc.* v. *Automatic Canteen Co. of America.*

2,377,808, V. R. Pileggi, Method of curling hair, filed Oct. 12, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12816, *V. R. Pileggi* v. *C. Vetere.*

2,411,766, Vincent & Stanton, Animal trap, D. C., W. D. N. Y., Doc. 3990, *Newhouse Corp.* v. *C. J. Briggs.* Order granting defendant's motion for summary judgment and final order dismissing action Oct. 15, 1951.

2,421,605, Eaton & Eaton, Cushion shoe and method of making same, D. C. Mass. (Boston), Doc. 50990, *Charles A. Eaton Co.* v. *Plymouth Shoe Co. et al.* Judgment for defendants holding claims 1 and 2 invalid for want of invention Oct. 17, 1951.

2,491,888, D. M. Baker, Electric game, D. C. Mass. (Boston), Doc. 50/449, *Freem Amusements, Inc.* v. *W. Hurley.* Defendant defaulted for failure to answer complaint Nov. 14, 1950.

2,503,367, G. Weckstein, Hanger for fur coats, D. C. Mass (Boston), Doc. 50/612, *Coat Conformers, Inc.* v. *The Bolta Co. et al.* Consent decree dismissing complaint as to Bolta Products, Inc., and Bolta Products Sales, Inc., and infringed by The Bolta Co., July 23, 1951.

2,517,910, R. R. Miller, Power-transmitting attachment, filed Oct. 17, 1951, D. C., N. D. Ohio (Cleveland), Doc. 28589, *R. R. Miller* v. *Sears, Roebuck and Co.*

2,522,192, P. L. Porter, Recoil reducer, filed Sept. 24, 1951, D. C., N. D. Calif. (San Francisco), Doc. 30894, *P. L. Porter* v. *Micro Sight Co.*

2,528,035, H. H. Clayton, Switch, filed Mar. 5, 1951, D. C. Mass. (Boston), Doc. 51/222, *Essex Wire Corp.* v. *Cole-Hersee Co.*

2,532,195, Rosenow & Schwalbe, Gold club cover, D. C., S. D. Ill (Peoria), Doc. P–1284, *Leather Goods Co.* v. *Jim Noonan Co.* Consent judgment providing injunction against defendant Oct. 2, 1951.

2,541,637, Christopher & Spear, Method of vaporizing lindane in ventilated rooms, filed Oct. 9, 1951, D. C., S. D. Fla. (Miami), Doc. 3956–M, *American Aerovap, Inc.* v. *Sanitary Fish Market et al.*

2,556,022, A. Atiyeh, Vacuum cleaner nozzle with variable suction control, filed Oct. 11, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13555–C, *A. Atiyeh* v. *The Filter Corp.*

Re. 22,091, N. Rippen, Sheathing system, filed May 9, 1951, D. C. Mass. (Boston), Doc. 51/427, *E. B. Paley et al.* v. *Bethlehem Steel Co.*

Des. 146,197, G. J. Staab, Pencil sharpener, filed Dec. 27, 1950, D. C. Mass. (Boston), Doc. 50/1004, *Sterling Plastics Co.* v. *Northeastern Plastics, Inc.*

Des. 151,733, W. G. Bley, Lady's hose, filed (notice Oct. 15, 1951), D. C. N. J. (Camden), Doc. 975/51, *Sanson Hosiery Mills, Inc., et al.* v. *L'Opera Hosiery Mill, Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 527,304, G. N. Coughlan Co., Desiccant and dehumidifier, D. C. N. J. (Trenton), Doc. 837/50, *G. N. Coughlan Co.* v. *No Moist Sales Co. et al.* Judgment for injunction favor plaintiff Oct. 16, 1951.

T. M. 529,545, Melody Bra & Girdle Co., Inc., Combinations of girdles, filed Oct. 9, 1951, D. C., S. D. N. Y., Doc. 70/128, *Melody Bra & Girdle Co., Inc.* v. *Youthcraft Creations, Inc.*

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NOTICES

Registration to Practice

The following list contains the names of all applicants for registration to practice before the United States Patent Office who attained passing grades in the examination of August 6, 1951. Information tending to affect the eligibility of any of said applicants on moral or ethical grounds should be furnished the Commissioner of Patents on or before December 20, 1951.

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Price of the Official Gazette

The Superintendent of Documents has informed the Commissioner of Patents that effective October 30, 1951, the annual subscription to the OFFICIAL GAZETTE is increased to $38.75 for domestic mailing with an additional charge of $10.50 for foreign mailing. Single copies are now 75 cents each.

T. B. MORROW,
Executive Officer.

Adjudicated Patent

(D. C. N. Y.) Stephens Patent No. 2,146,237, for a picture projecting device. Claim 7 *Held* invalid. *Stephens Products Co. v. Fillum Fun, Inc.*, 99 F. Supp. 649; 90 USPQ 57.

Disclaimers

2,078,854.—*Clifford C. Jones*, Washington, D. C. BOUNDARY LAYER AIR CONTROL. Patent dated Apr. 27, 1937. Disclaimer filed Oct. 17, 1951, by the inventor.

Hereby enters this disclaimer to claim 9 of said patent.

2,428,612.—*John P. Bleicett*, Scotia, N. Y. MAGNETRON. Patent dated Oct. 7, 1947. Disclaimer filed Aug. 23, 1951, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claim 6 of said patent.

2,503,305.—*Richard M. Storer*, Denver, Colo. FASTENING DEVICE. Patent dated Apr. 11, 1950. Disclaimer filed Oct. 8, 1951, by the inventor.

Hereby enters this disclaimer to claims 3 and 16 of said patent: Any interpretation of claims 3 and 16 that would include an arrangement in which the spring and cross member are not separable and distinct members.

Proposed Changes in Trade-Mark Classification of Goods

Notice is hereby given that the Patent Office proposes to amend the rule relating to the classification of goods in trade-mark cases.

The amendment is proposed to be issued pursuant to the authority contained in the trade-mark law, sec. 30, act of July 5, 1946, 60 Stat. 427; 15 U. S. C. 1112.

All persons who desire to submit written data, views, arguments or suggestions, for consideration in connection with the proposed amendment, are invited to forward the same to the Commissioner of Patents, Washington 25, D. C., on or before December 14, 1951. An oral hearing is not scheduled.

The text of the proposed amendment follows.

Trade-mark rule 16.1, Classification of goods and services, is proposed to be amended by:

1. Changing the title of Class 15 to read
   15. Oils, Waxes, and Lubricants.
2. Changing the title of Class 16 to read
   16. Protective and Decorative Coatings.
3. Establishing the following new class
   53. Fuels.

JOHN A. MARZALL,
Commissioner of Patents.

[16 F. R. 11281, Nov. 6, 1951]

Amendment Filed by an Attorney Not of Record

When an amendment is filed, signed by an attorney whose power is not of record, he, as well as the applicant, should be notified that the amendment cannot be entered.

When the Examiner's letter is of such a character that the six months for amendment runs from the date of a previous action, a statement to that effect should be made at the end of the letter and the date from which the six months runs given.

No Notification by Examiner of Status of a Case Decided by Board

After any decision of the Board of Appeals, it is unnecessary and improper for the Examiner to notify the applicant of the status of the case unless asked to do so. Responsive action must be taken by the applicant on his own initiative within six months from the date of the decision.

Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously placed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Reservation Clauses Not Permitted

RULE 79. A reservation for a future application of subject-matter disclosed but not claimed in a pending application will not be permitted in the pending application.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,386,570. Clamp-Applying Tool. Patented Oct. 9, 1945. Plier-type tool for attaching flanged substantially C-shaped clamps to objects is especially designed for airplane motor mounts. A pair of handles have clamping jaws at their ends, one of which has an adjustable clamp-engaging shoe whereby strap-like clamps of various sizes may be applied by adjusting the shoe to engage clamp when jaws are closed. (Owner) Samuel I. Petrie, 25½ Main St., Wells, Mich. Group 33—52. Reg. No. 45,312.

Pat. 2,508,520. Axially Shifting Type Jack Operated Tire Remover. Patented May 23, 1950. Tire-removing device has a disc with resilient metal arms for applying pressure to the bead of a tire. Posts slidable through the disc carry a cross bar whereby a hydraulic jack may be placed between disc and cross bar. As pressure is applied to the jack, the posts and the rim on which the tire is mounted are shifted upwardly and the disc and arms shifted downwardly, forcing the tire from the rim. (Owner) Peter C. Johnson, Box 124, Lanesboro, Minn. Groups 35—69 : 38—31. Reg. No. 45,313.

Pat. 2,324,032. Container. Patented July 13, 1943. Closure for opening and closing a container adapted to hold powder or granular material which should be kept from continuous exposure to the atmosphere. The top end wall of a can has a discharge opening and a depression forming a circularly curved channel. A rotary disc retained on the end wall has a depression forming an integral plug to close the opening. The disc may be rotated to spring the plug from the opening into the channel, after which the disc may be further rotated (with the plug riding in the channel) to bring a discharge opening in the disc into registration with the discharge opening in the end wall of the can. (Owner) Raymond M. Schlaback, 220 7th St., S. E., Canton, Ohio. Groups 26—64 ; 33—31—73 ; 40. Reg. No. 45,314.

Pat 2,386,066. Glass Cleaner. Patented Oct. 2, 1945. A disposable treated paper may be used without wetting for cleaning and polishing glass, silver, and metal surfaces without producing dust or leaving streaks. A porous, unglazed or uncalendered paper is treated with a mixture of powdered silica, glycerine, and water. The treated sheets are dried and stored in a moisture-free atmosphere such as sealed Cellophane packages. (Owner) Raymond M. Schlabach, 220 7th St., S. E., Canton, Ohio. Groups 26—39 ; 28—93 ; 32—91—95. Reg. No. 45,315.

Pat. 2,556,067. Diamond Setting Block Device. Patented June 5, 1951. Setting block is useful for accurately adjusting the diamond dressing tools of grinding machines for dressing the grinding wheels, which are used for various internal grinding jobs. Block has a threaded shaft for engagement with socket of movable spindle of the machine. A pair of superposed sections with tool-engaging faces are secured to the shaft. In use, the setting block is threaded into the spindle socket and advanced into alignment with the cutting tools. The tools are adjusted in their holders to contact the faces, and the setting block removed from the spindle. (Owner) Walter W. Coffer, Jr., 6941 Avenue N, Houston, Tex. Group 35—41—59. Reg. No. 45,316.

Pat. 2,551,012. Knitting Needle Carrier. Patented May 1, 1951. Holder for carrying or displaying knitting needles or the like. A thin panel-like body is corrugated to provide lineal grooves on opposite sides for receiving needles. Each needle is retained in a groove by a flexible finger. The fingers are secured to rigid cross bars riveted at ends to edges of panel. One bar is located on each side of panel, at different points, to prevent transverse bending. A modification shows an abutment block at one end for receiving points of two-pointed needles. Holder may be of any suitable lightweight material. (Owner) Richard H. Kenah, Bryans Point Rd., Accokeek, Md. Groups 25—99 ; 32—39 ; 33—73 ; 34—41 ; 39—81 ; 40. Reg. No. 45 317.

Pat. 2,557,119. Sectional Sewer Rod and a Swivel Coupling Therefor. Patented June 19, 1951. Flexible pipe or sewer cleaning rod is made of disconnectible sections for reaching remote points. The sections are joined by swivel couplings and may be twisted individually so each succeeding section may automatically hook onto a preceding section and automatically unhook itself from the following section without breaking the continuity of the rods as a whole. Forward end of extended rod may be rotated without turning the portion which has not been fed into the sewer. (Owner) Anton P. Kjerulff, 2222 Creole St., Lake Charles, La. Groups 33—52 ; 35—69. Reg. No. 45,318.

Pat. 2,552,116. Headlight Adjusting Means of the Type That Is Removably Attachable to a Vehicle. Patented May 8, 1951. Headlight adjusting equipment may be removably mounted on a vehicle so that focusing adjustment of the headlights may be accomplished effectively even though the vehicle is not in a horizontal position. A feature of the invention includes a supporting frame which is secured to a rear wheel of a vehicle and maintained in parallel alignment with the horizontal centerline of the vehicle by gauging extensions resting on the front and rear vehicle wheels. Other features include ease of mounting and removal of the supporting frame, as well as structure for alignment of the light-focusing units vertically and horizontally with the vehicle headlights. (Owner) Dominic R. Rodeghiero, Gentilly Hotel and Motor Court, Box 261A, Route 6, New Orleans, La. Groups 34—81 : 38—31. Reg. No. 45,319.

Pat. 2,495,397. Condensation Trap for Steam Irons. Patented Jan. 24, 1950. Electric steam iron has means near steam inlet for eliminating condensation, to prevent spotting of material being pressed. Trap consists of a tubular chamber in operating face, opening laterally from tubular steam flow path and closed at opposite end. An inlet nozzle, extending into trap chamber, has a beveled tip, leaving a narrow surrounding annular passage. Steam projected through the nozzle readily escapes through this passage into zig-zag flow path and through openings in point of iron onto fabric. Any condensation in the steam is projected into the trap chamber and is retained from escaping by pressure issuing from nozzle until it becomes vaporized. (Owner) Albert J. Weber, 10612 Avalon Blvd., Los Angeles 3, Calif. Groups 33—66 : 35—81—82 : 36—21. Reg. No. 45,320.

Pat. 2,556,701. Electric Bulb Handling Device. Patented June 12, 1951. A resilient rubber socket has a central concave vacuum cup to grip free end of bulb. An exterior series of stepped concentric offsets in the wall of the socket above the cup form interior annular shoulders of successively increasing diameter coacting with the cup in gripping different sized bulbs. A handle is inserted in recessed neck on socket. A split side collar on the handle holds circumferentially spaced resilient wire clamp fingers which extend over and beyond the socket as an additional safeguard against breakage of the bulb. (Owner) Clair D. Mozena, Sheffield, Iowa. Groups 33—52 : 34—81. Reg. No. 45,321.

Pat. 2,558,348. Catchless Pull Toy. Patented June 26, 1951. Pull toy has no projections to catch on furniture or other articles near which it may be pulled. Two semi-spherical hollow bodies whose inwardly rolled weighted edges oppose one another are connected by an axle whose ends are upset to prevent outward displacement of the hollow bodies. The axle extends through a depression in center of each hollow body and is held in place by washers placed inwardly and outwardly of the depressions. Extending from the axle shaft through space between the bodies is a link to which a pull string may be attached. (Owner) Jackson F. Elmer, 1552 Crete St., New Orleans, La. Groups 30—32 ; 33—73 ; 39—41—81. Reg. No. 45,322.

E. I. du Pont de Nemours and Company has placed on the Register, as available for licensing on reasonable terms, 347 patents contained in Schedules XXI and XXII. The publication of these patents began in the OFFICIAL GAZETTE, Oct. 30, 1951, and is completed in this issue. More than 5,400 patents were previously registered by this company and published during 1948, 1949, and 1950, in Schedules I–XX.

The present listing includes Reg. Nos. 45,323 through 45,388. Groups 20—95; 22—13—14—23—35—51—53—54—94—97—98; 23—21; 25—62—71—94; 26—39—63; 28—11—12—29—31—32—33—34—41—51—61—81—83—86—88—89—99; 29—11; 32—95—97; 33—12—66—X2; 34—19—72; 35—22—42—52—59—61; 36—19—31—61; 39—12—81.

Inquiries concerning these patents should be addressed to: Patent Division, E. I. du Pont de Nemours and Company, Wilmington, Del.

Pat. 2,518,191. Method for Granulating DDT. Aug. 8, 1950. Granulating DDT by dispersing fused DDT in water with an emulsifying agent and then cooling with agitation to 55° C. or less at a rate so that at least ten minutes are required to cool from 85° C. to 70° C.

Pat. 2,518,203. Method of Preparing Halogen Substituted Aliphatic Acid Esters of Cellulose. Aug. 8, 1950. Preparation of halogen substituted aliphatic acid esters of cellulose by esterifying a cellulose ether with an alpha-halogen substituted lower aliphatic acid and anhydride thereof.

Pat. 2,518,312. Recovery of Maleic or Phthalic Anhydride From Wet Process Gas Mixtures. Aug. 8, 1950. Process for recovering a maleic or phthalic anhydride from a wet process gas mixture by adsorbing the anhydride on activated or silica gel, and removing the anhydride from the adsorbent.

Pat. 2,518,321. Allyl, Vinyl Ethers of Polyhydric Alcohols. Aug. 8, 1950. Monovinyl 2-alkenyl ethers of polyhydric alcohols, specifically vinyl allyl ethers of glycerol, ethylene glycol, and diethylene glycol.

Pat. 2,518,579. Curing of Chloroprene Polymers. Aug. 15, 1950. Rapid curing of chloroprene polymers by incorporating in the polymers 0.1–5% of an antimony sulfide and heating to effect vulcanization.

Pat. 2,519,088. Aqueous DDT Paste. Aug. 15, 1950. An aqueous, water-dispersible paste comprising at least 50% finely divided DDT, together with water, 0.1% to 10% of a surface active agent based on the DDT, and 0.2% to 10% of polyvinyl alcohol based on the water, the amount of PVA being sufficient to give the aqueous phase, exclusive of the surface active agent, a viscosity of 10 centipoises at 25° C.

Pat. 2,519,210. Physically Stable Castor Oil Soluble Victoria Blue BO and a Process of Making It. Aug. 15, 1950. Incorporation in Victoria Blue BO of 2 to 6% of ethylene glycol, glycerine, pentaerythritol, diethylene glycol, sorbitol, or 2-methyl-2,4-pentanediol, and the product so prepared.

Pat. 2,519,492. Hydrogenation of Alkyd Resins. Aug. 22, 1950. Drying oil modified alkyd resins and coating compositions prepared therefrom characterized by resistance to yellowing, the preparation of the improved resins involving catalytic hydrogenation of the resin until the acid radicals of the modifying oil are 10% to 40% saturated.

Pat. 2,520,173. Process for Preparing Unsupported Films of Tetrafluoroethylene Polymers. Aug. 29, 1950. The preparation of an unsupported film of tetrafluoroethylene polymer by baking a coating from a suspension of said polymer on a soluble metal sheet and subsequently dissolving the metal sheet.

Pat. 2,520,312. Synthesis of Amino Acids. Aug. 29, 1950. A process for the synthesis of amino acetic acid by hydrolysis of aminoacetonitrile with sulfuric acid, the step which comprises carrying out the hydrolysis in the presence of mercuric sulfate as a promoter for the sulfuric acid.

Pat. 2,520,609. Cross-Linked Polymeric Materials and Method of Making Same. Aug. 29, 1950. Insolubilized hydroxyethyl cellulose acetate chloroacetate and method for preparation by cross-linking with derivatives of dithiocarbamic acid.

Pat. 2,520,711. Composition of Crotyl Cellulose and Compatible Butadiene Copolymer. Aug. 29, 1950. A vulcanizate of a crotyl cellulose and an unsaturated synthetic elastomer such as butadiene/dimethyl 2-vinyl-ethynyl carbinol and method of making same.

Pat. 2,523,868. Moistureproofing Regenerated Cellulose. Sept. 26, 1950. Impregnating a sheet of regenerated cellulose with a bath containing a partially condensed ketone formaldehyde resin, a partially polymerized trimethylolmelamine resin and hydroxy acetic acid, heating sheet to remove water and further condense the resin, and then applying coating.

Pat. 2,524,674. Heterocyclic Nitrogen Compounds Containing a Furane Nucleus and Preparation Thereof. Oct. 3, 1950. An unsymmetrical carbocyanine dye having an 1-4-furylthiazole nucleus and an 1-alpha-naphthoselenazole nucleus.

Pat. 2,524,675. Cyanine Sensitizing Dyes. Oct. 3, 1950. A dye of the cyanine class in which at least one of the heterocyclic nuclei contains a 4-alpha-benzofurylthiazole nucleus.

Pat. 2,524,957. Isocinchomeronic Acid by Oxidation of 2,5-Dialkylpyridine With Concentrated Nitric Acid. Oct. 10, 1950.

Pat. 2,525,671. Carnauba Wax as Slip Agent for Vinylidene Chloride-Acrylonitrile Copolymer Films. Oct. 10, 1950. An ester wax, such as carnauba wax, as a slip-promoting agent in vinylidene chloride/acrylonitrile copolymer coating or self-sustaining film.

Pat. 2,525,676. Heat Sealable Regenerated Cellulose Film and Methods of Making Same. Oct. 10, 1950. The use of partially saponified polyvinyl acetate in combination with a thermoplastic resin, such as phenol-aldehyde, urea-aldehyde, amine-aldehyde, in cellophane softener baths to give film of improved heat seal.

Pat. 2,526,757. Preparation of Ethyleneurea. Oct. 24, 1950. Preparation of ethyleneurea by subjecting urea to a reaction with a substituted ethane from the group consisting of ethanol amine, ethylene chlorohydrin, ethylene dichloride, ethylene oxide and ethylene carbonate.

Pat. 2,526,787. Laminated Cellulosic Fabrics. Oct. 24, 1950. Paper laminate made by first treating the surfaces of the separate pieces of paper with a solution of magnesium fluosilicate or zinc fluosilicate and then bonding them with sodium silicate.

Pat. 2,526,794. Safety Device for Pressure Vessels. Oct. 24, 1950. Safety pressure devices comprising a rupturable diaphragm for use in connection with systems and containers carrying compressed gas or liquefied gas under pressure.

Pat. 2,526,795. Safety Relief Diaphragm. Oct. 24, 1950. Safety relief devices which comprise a member that is rupturable when it is subjected to undesired high pressures of gas and an improved adapter suitable for mounting such a rupturable element in combination with a pressure-closed seated valve.

Pat. 2,528,320. Continuous Photochemical Preparation of Aliphatic Sulfonyl Chlorides. Oct. 31, 1950. Production of a sulfonyl chloride of an aliphatic hydrocarbon by propelling the hydrocarbon in liquid state by the aid of a gaseous stream of Cl_2 and SO_2 through a reaction zone and exposing the moving mass to actinic irradiation, the reaction mass inside the tube being maintained in a state of turbannular flow as it moves through the tube at a superficial gas velocity of not less than 10 ft. per second.

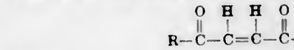
Pat. 2,529,681. Fused DDT Compositions Containing an Absorbent Inert. Nov. 14, 1950. Method for producing a dry DDT composition by adding fused DDT to a finely divided absorbent inert solid powder with stirring, maintaining the temperature of the powder above the fusion point of the DDT but below 110° C.

Pat. 2,530,366. Electrophoretic Deposition of Ethylene Polymers. Nov. 21, 1950. Electrophoretically depositing ethylene polymers on an anodic electrical conductor by electrolyzing an aqueous dispersion of an ethylene polymer containing a water soluble ammonium or basic amine salt of a polymeric N-monoalkyl substituted amic acid, e. g., octadecyl-butyl-styrene-maleamic acid.

Pat. 2,530,410. Process for the Production of Pyrosulfuryl Chloride. Nov. 21, 1950. A continuous process for the production of pyrosulfuryl chloride comprising the steps of continuously introducing gaseous SO_3 and gaseous SCl_2 in a mol ratio of at least 3:1 into a space reaction chamber, mixing at a temperature of 120 to 140° C., and continuously withdrawing the product of the reaction.

Pat. 2,531,832. Silver Halide Developers Containing Polyethylene Glycols. Nov. 28, 1950. Photographic developer solutions containing a polyethylene glycol or an aliphatic carboxylic ester thereof.

Pat. 2,532,558. Pest Control Compositions for the Control of Bacteria and Fungi Containing 1,2-Diacylethylene. Dec. 5, 1950. A dilute aqueous pest control composition comprising a wetting agent, e. g., an alkali metal salt of a sulfonated petroleum oil, and as an essential active ingredient a 1,2-diacylethylene having the formula

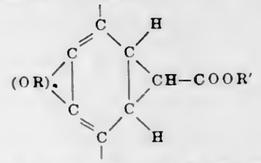


where

and

are alkanoyl or aroyl groups containing 2 to 7 C atoms, e. g., 1,2-dibenzoylethylene.

Pat. 2,532,575. Oxybicyclo(4,1,0)Hepta-2,4-Diene-7-Carboxylic Esters. Dec. 5, 1950. An ester of a fused ring carboxylic compound having the formula



consisting of a cyclopropane ring fused with an oxy-substituted cyclohexadiene ring having a 4 carbon atom conjugated diene system, OR being an alkoxy radical of 1 to 6 C atoms and $n=1$ or 2.

Pat. 2,532,588. Azo Dyestuff for Dyeing Animal Fibers in Shades of Brown. Dec. 5, 1950. 1-hydroxy-4-(4-nitro-2-sulfonphenylazo)-2-naphthoic acid.

Pat. 2,532,727. Process for Obtaining Vinyl Chloride/Styrene Polymers. Dec. 5, 1950. Process for obtaining vinyl chloride/styrene polymers by heating vinyl chloride and styrene in the presence of a polymerization catalyst.

Pat. 2,533,307. Constant Torque Winding Means for Slitting Machines. Dec. 12, 1950. A wind-up device for slitting machines where the turning force is of constant torque at all times.

Pat. 2,533,557. Coated, Nonfibrous Regenerated Cellulose Sheet Wrapping Material and Process of Making Same. Dec. 12, 1950. Coating a film of cellulosic material with partially condensed guanidine-carbamide-aldehyde resin, drying, and then coating with a composition containing an acid catalyst to further condense the resin.

Pat. 2,533,938. Esters of Aliphatic Monocarboxylic Acids and Polybutadiene Alcohols and Method for Preparing the Same. Dec. 12, 1950. Polybutenyl esters of lower aliphatic carboxylic acids, and preparation from butadiene and the acid in presence of perchloric acid catalyst.

Pat. 2,533,939. Acetic Acid Esters of Aralkyl Alcohols and Method for Their Production. Dec. 12, 1950. Preparation of esters from styrene and lower alkanoic acids wherein styrene is reacted under anhydrous conditions with an alkanoic acid of one to six carbon atoms.

Pat. 2,533,990. Silver Halide Developer Compositions Containing Polyoxyalkylene Ethers of Hexitol Ring Dehydration Products. Dec. 12, 1950. Aqueous photographic developer solutions contain from 0.1 to 2.5 grams of a polyoxyethylene ether of a hexitan per liter of solutions.

Pat. 2,534,000. Process for Producing Hydrocyanic Acid. Dec. 12, 1950. In the catalytic conversion of formamide to hydrocyanic acid, the steps of preheating liquid formamide, forming a falling film of annular cross-section, heating, vaporizing, and superheating the film, passing the vapors through a heated catalyst, and pyrolyzing the vapors to hydrocyanic acid in the presence of a manganese catalyst.

Pat. 2,534,050. Process of Treating Photographic Layers Containing Color Formers With Metal Salt Hardening Agents. Dec. 12, 1950. The process of reducing diffusion of megatory color formers in gelatino silver halide emulsion layers by treating said layers in the wet gelled state with a concentrated aqueous solution of a polyvalent metal salt gelatin hardening agent containing a small amount of a hydrotropic wetting agent.

Pat. 2,535,121. Monazo Dye. Dec. 26, 1950. N-(3-(1,3-dihydroxy-4-isoquinolylazo)-4-hydroxy-phenyl-sulfonyl)-anthranilic acid and derivatives in which the phenyl ring of the anthranilic acid contains chloro substituents.

Pat. 2,537,138. Phenolic Color Formers. Jan. 9, 1951. A process of manufacturing phenolic color formers consisting of reacting in equimolecular proportions a monohydric phenol with a dialkylolamide in the presence of a water miscible alkanol and a mineral acid condensation catalyst.

Pat. 2,537,609. Manufacture of Indole. Jan. 9, 1951. Reacting sodium o-toluide in o-toluidine with carbon monoxide at 150–400° C., adding water to decompose the sodium derivative of indole and isolating the resulting indole.

Pat. 2,538,047. Chlorobutadiene Polymers Having Improved Resistance to the Deteriorating Effects of Heat and Light. Jan. 16, 1951. A chloroprene polymer having incorporated therein a nickel salt of a substituted dithiocarbamic acid in which each individual substituting radical contains not more than 12 carbon atoms.

Pat. 2,538,974. Heat-Resistant Coating Composition. Jan. 23, 1951. A heat-resistant coating composition, comprising a non-oxidizable coumarone-indene resin, fine aluminum particles, and a metal naphthenate drier.

Pat. 2,539,725. Bale and Method of Making Same. Jan. 30, 1951. A corrugated paper wrap for baled staple.

Pat. 2,540,085. Silver Halide Emulsion. Feb. 6, 1951. Silver halide emulsions for photography are sensitized with minute quantities of gold and iron salts.

Pat. 2,540,086. Silver Halide Emulsions. Feb. 6, 1951. Colloid silver halide emulsions for photography are sensitized by a mixture of minute quantities of water soluble salts of gold, palladium and mercury.

Pat. 2,540,610. Packing Machine for Molten Materials. Feb. 6, 1951. Apparatus for loading molten explosive composition into shells whereby the bottom portion is chilled and solidified to form the end closure of the shell.

Pat. 2,540,705. Modified Azo Dyestuffs. Feb. 6, 1951. A modified azo dyestuff containing a 2-naphthol nucleus obtained by dissolving a dye in H_2SO_4, adding formaldehyde and drowning in water.

Pat. 2,540,726. Treatment of a Heat Set, Oriented Nylon Fabric With Formaldehyde. Feb. 6, 1951. The treatment of a heat set, catalyst impregnated dry nylon fabric with anhydrous formaldehyde at 100–250° C. to improve the fabric qualities.

Pat. 2,541,149. Draw Roll Mechanism for Hot Stretching of Artificial Filaments. Feb. 13, 1951. A concentrically mounted double feed wheel for stretching yarns with provision for treating with different liquids on each wheel.

Pat. 2,541,167. Vinylidene Chloride Interpolymer as a Coating for Regenerated Cellulose Film. Feb. 13, 1951. A coating composition for regenerated cellulose which is obtained by hydrolyzing a copolymer of vinylidene chloride, acrylonitrile and vinyl acetate.

Pat. 2,541,839. Process for Improving Vat Dyed Nylon Fibers. Feb. 13, 1951. A process for improving the lightfastness, wash-fastness and resistance to rubbing of a vat dyed nylon which comprises alternately heating the dyed article to 100–150° C. in a mixture of water and a polyhydric alcohol such as ethylene glycol and cooling in an inert medium such as water.

Pat. 2,542,768. Hydroxy-Methylmercaptobutyronitrile. Feb. 20, 1951. Composition of alpha-hydroxy-gamma methylmercaptobutyronitrile.

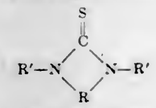
Pat. 2,542,785. Hydraulic Fluids. Feb. 20, 1951. A hydraulic fluid containing 40% of di(ethylene glycol) glutarate or adipate and 60% of an organic solvent of the group consisting of low molecular weight alcohols, formals, and ether alcohols that boils above 200° F.

Pat. 2,543,792. Purification of Silver Nitrate Solutions. Mar. 6, 1951. Aqueous solutions of silver nitrate are purified by bringing the solution into intimate contact with carbon particles and into intimate contact with activated alumina and finally into intimate contact with silver oxide.

Pat. 2,544,363. Carbon Black Pigment Dispersion. Mar. 6, 1951. A process for preparing high color quality black lacquers which involves an improved dispersion method of pre-mixing water-wet cellulose nitrate, a plasticizer and carbon black pigment with substantially no colloid formation and thereafter milling on a heated two-roller mill to form a colloid and to cause substantially complete volatilization of the water.

Pat. 2,544,483. Inorganic Sponge Blowing Agents. Mar. 6, 1951. A sponge blowing agent comprising a hydrocarbon dispersion of ammonium carbonate, ammonium bicarbonate, sodium carbonate or sodium bicarbonate, and an oil-soluble dispersing agent.

Pat. 2,544,746. Vulcanization of Chloroprene Polymers. Mar. 13, 1951. An unvulcanized chloroprene polymer containing 0.05–10% of a cyclic thiourea of the formula:



in which R is a radical of an aliphatic or cycloaliphatic hydrocarbon and R′ is H or CH_3—, and in which the thiourea ring contains 3 to 5 carbon atoms.

Pat. 2,544,892. Printing Vat Dyes on Polyacrylonitrile Fabrics Using Potassium Thiocyanate. Mar. 13, 1951. Printing on polyacrylonitrile textile fabrics with a composition consisting of a vat dye, 15–25% of potassium thiocyanate, 60–65% of a thickener, drying the print, steaming, exposing the print to a dilute solution of an oxidizing agent at an elevated temperature, rinsing, and soaping at an elevated temperature.

Pat. 2,544,909. Method for Deaerating Indigo Paste. Mar. 13, 1951. Thinning an indigo paste with a small amount of a non-foaming dispersing agent and subjecting the thinned paste in the form of a moving film to a reduced absolute pressure of not over 50 mm. Hg.

Pat. 2,545,070. Cellulose Ether Solutions and Method of Spinning the Same. Mar. 13, 1951. Alkaline solutions of cellulose ethers containing an alkali metal trithiocarbonate and an alkali-soluble monoamine and preparation of films and filaments therefrom by extruding into aqueous sulfuric acid baths containing zinc sulfate and sodium sulfate.

Pat. 2,545,538. Process for Manufacture of Nitric Esters of Normally Solid Primary Alcohols. Mar. 20, 1951. The polyhydric alkanol is dissolved in a solvent and fed with nitric acid into glacial acetic acid.

Pat. 2,546,400. Color Yielding Element for Color Photography. Mar. 27, 1951. A photographic element for color photography comprises a support, a light sensitive colloid silver halide emulsion on the support and a dry outer layer of a water-soluble aqueous alkaline developer-insoluble colloid containing a mobile color former capable of coupling with oxidized primary aromatic amino developing agents to form quinoneimine or azo methine dyes.

Pat. 2,546,686. Blasting Device. Mar. 27, 1951. A blasting timer for electrically firing explosive charges at precise predetermined time intervals of from 5 to 40 milliseconds.

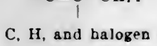
SCHEDULE XXII (2 patents)

Licenses will be granted under the following patent to make, use, and sell products having an average molecular weight of less than 1000.

Pat. 2,213,360. Chemical Process and Composition. Sept. 3, 1940. Amine salts of the reaction products obtained by reacting a non-gaseous paraffin hydrocarbon with gaseous Cl_2 and SO_2 and hydrolyzing the products with an organic amine. These salts are useful for finishing and softening textiles.

Licenses will be granted under the following patent to make, use, and sell butadiene polymers and interpolymers with one or more vinyl or vinylidene compounds.

Pat. 2,518,573. Polymerization of 1,3-Dienes in the Presence of Beta-Unsaturated Aliphatic Iodides. Aug. 15, 1950. Polymerization of chloroprene or butadiene in the presence of a dihalogen straight chain compound of the mono-olefine or diolefine series containing not more than 8 carbon atoms, which has the nucleus



and contains only C, H, and halogen of the group Cl, Br, and I.

Royalty-Free Patents

E. I. du Pont de Nemours and Company hereby grants a free, irrevocable, and unlimited license to the Government and the People of the United States of America under the following nine patents. The term "People," as here used, is understood to include sole individuals, firms, corporations, and other business associations and institutions, whether operated for profit or not.

* Pat. 2,162,178. X-Ray Shielding Compound. Patented June 13, 1939. Plastic X-ray shielding compound composed principally of lead powder and hand-moldable at room temperatures is useful in various forms of X-ray treatment, especially in the treatment of lesions about the face, nose, eyes, etc., to confine the rays to the area to be treated. Groups 28—83; 36—92. Reg. No. 45,389.

Pat. 2,287,064. Stable Dry Compositions Useful as Bleaching and Oxidizing Agents. Patented June 23, 1942. Dry, stable composition comprises a solid inorganic peroxygen compound and an organic acid anhydride. Such composition, by simply adding it to water, will yield a bleaching and oxidizing solution containing an organic monoperacid or its salt. Group 28—89. Reg. No. 45,390.

Pat. 2,290,235. Pest Control. Patented July 21, 1942. Provides a method of conditioning horticultural spray suspensions for obtaining heavy uniform spray deposits which are not readily washed from foliage by rain. The conditioning method may be carried out by dispersing an organic feeding inhibitor, containing a thiuram sulfide, in water in the usual manner, incorporating therein a soluble metallic salt, the hydroxide of which is insoluble and compatible with the inhibitor, and precipitating the hydroxide by suitable alkali such as hydrated lime. Group 28—33. Reg. No. 45,391.

Pat. 2,510,257. Polyvinyl Acetate Emulsions Containing Glyoxal. Patented June 6, 1950. To an aqueous polyvinyl acetate emulsion, containing polyvinyl alcohol as the emulsifying agent, glyoxal is added so that, when the emulsion is applied as a coating and allowed to dry, substantially a water-insensitive coating will be obtained. Group 28—99. Reg. No. 45,392.

Pat. 2,515,488. Process of Cleaning and Coating Ferrous Metal. Patented July 18, 1950. Process for cleaning, and applying a zinc-aluminum coating to, a ferrous article comprises passing the article through a molten zinc chloride layer, which is supported upon and in contact with a molten zinc bath, and then passing the article while still hot through a molten zinc-aluminum galvanizing bath containing not more than about 0.05% of iron. Group 33—75. Reg. No. 45,393.

Pat. 2,518,576. Vulcanization of Isobutylene Rubber. Patented Aug. 15, 1950. The vulcanization of isobutylene rubber is materially accelerated and the physical properties improved by using a small amount of meta- or para-dinitrosobenzene in combination with suitable organic accelerators. Group 28—83. Reg. No. 45,394.

Pat. 2,525,594. Deinking Waste Paper. Patented Oct. 10, 1950. De-inking process for shortening the time and decreasing the temperature required comprises subjecting a weighted amount of printed waste paper, such as magazine stock, to the action of an aqueous solution containing caustic soda and sodium peroxide, followed by washing. Group 35—54. Reg. No. 45,395.

Pat. 2,541,703. Method of and Liquid Composition for Cleaning Electrically Insulated Articles. Patented Feb. 13, 1951. Non-inflammable cold cleaning liquid composition comprising a petroleum naphtha, methylene chloride, and perchlorethylene may be used for removing grease, dirt, etc., from insulated electrical motor windings and the like without damaging the insulation and without leaving objectionable oily films. Group 28—93. Reg. No. 45,396.

Pat. 2,553,378. Material Handling Device. Patented May 15, 1951. Device is useful for lifting, transporting, and stacking loaded pallets. An overhead crane mounted on longitudinally extending overhead tracks carries a suspended transversely movable carriage to which a suspended turntable is secured. A downwardly extending mast is rigidly secured to and suspended from the turntable. A lifting hoist slidably mounted on the mast has a pair of horizontal arms for engaging the under side of a pallet. Group 35—62—69. Reg. No. 45,397.

* This patent was previously registered as available for licensing on reasonable terms, and an abstract thereof appeared in the Jan. 11, 1949, issue of the OFFICIAL GAZETTE. It is hereby withdrawn from that category.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 20, 1951

[VOL. 652. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 508,321. Sunbeam Corporation, Chicago, Ill. Filed Aug. 30, 1946.

5W

For Combs Used With Shearing and Clipping Machines.
Claims use since 1928.

Ser. No. 508,324. Sunbeam Corporation, Chicago, Ill. Filed Aug. 30, 1946.

4HC

For Clipping Blades Used With Shearing and Clipping Machines.
Claims use since 1915.

Ser. No. 508,325. Sunbeam Corporation, Chicago, Ill. Filed Aug. 30, 1946.

4H-B

For Combs Used With Shearing and Clipping Machines.
Claims use since 1932.

Ser. No. 508,335. Sunbeam Corporation, Chicago, Ill. Filed Aug. 30, 1946.

8OY

For Cutters Used With Shearing and Clipping Machines.
Claims use since 1936.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 592,904. H & C Latex Limited, Kuala Lumpur, Federation of Malaya. Filed Feb. 23, 1950.

H&C LATEX LTD

The word "Latex" is disclaimed. Applicant claims ownership of British Registration No. B. 663,288, dated Oct. 15, 1947.

For Rubber Latex.

Ser. No. 593,696. Stokes Molded Products, Inc., Trenton, N. J. Filed Mar. 9, 1950.

STOKOLITE

For Semi-Hard Rubber From Which Products Are Fabricated for Use in the Chemical Industries.
Claims use since Feb. 1, 1950.

Ser. No. 610,832. Chesmore Seed Co., St. Joseph, Mo. Filed Mar. 5, 1951.



For Lawn, Garden, and Farm Seed.
Claims use since Feb. 9, 1951.

Ser. No. 610,833. Chesmore Seed Co., St. Joseph, Mo. Filed Mar. 5, 1951.

"Sure MIKE"

For Lawn, Garden, and Farm Seed.
Claims use since Feb. 9, 1951.

Ser. No. 610,902. Heresite & Chemical Company, Manitowoc, Wis. Filed Mar. 6, 1951.

HERECROL

Applicant claims ownership of Registration No. 537,025.
For Synthetic Crude Rubber.
Claims use since July 1948.

CLASS 2

RECEPTACLES

Ser. No. 533,768. Paper Art Company, Inc., Indianapolis, Ind. Filed Sept. 8, 1947. (Sec. 2f.)

Paper Art

For Paper Cups, Handled and Non-Handled, Paper Plates, and Paper Coasters.
Claims use since Jan. 31, 1933.

Ser. No. 577,365. Brown Container Company, Inc., West Monroe, La. Filed Apr. 19, 1949.



The representation of the box is disclaimed.
For Corrugated and Laminated Paperboard Boxes and Cartons and for Paper Bags.
Claims use since Nov. 8, 1948.

Ser. No. 596,902. The Donley Brothers Company, Cleveland, Ohio. Filed May 5, 1950. (Sec. 2f.)

DONLEY

Applicant claims ownership of Registrations Nos. 169,590, 175,033, and 177,408.
For Wooden, Metal, or Plastic Mortar Boxes, Cast Iron Fire Baskets.
Claims use since Nov. 29, 1919.

Ser. No. 597,606. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed May 17, 1950.

WHITE PINE

The word "White" is disclaimed. Applicant claims ownership of Registration No. 513,391.
For Paper Bags.
Claims use since Jan. 24, 1950.

Ser. No. 599,374. Haskelite Manufacturing Corporation, Grand Rapids, Mich. Filed June 19, 1950.

HASKO

For Wooden and Paper-Board Serving Trays.
Claims use since Apr. 9, 1939, as to the mark shown; and since Feb. 16, 1918, as to the diamond feature of the mark.

Ser. No. 607,952. Globe Vacuum Bottle Corporation, New Britain, Conn. Filed Dec. 21, 1950.

GLOBE

For Vacuum Bottles, Metal Lunch Boxes Containing Vacuum Bottles, and Plastic and Leatherette Picnic Kits Each Containing Vacuum Bottles and Plastic or Metal Sandwich Boxes.
Claims use since September 1931.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 585,483. Nopco Chemical Company, Harrison, N. J. Filed Aug. 15, 1949.

NOPCO

Applicant claims ownership of Registrations Nos. 121,927, 349,176, 406,600, 406,773, 417,461, and 425,132.
For Sulfated Fatty Oils, Sulfated Fatty Acids, Fatty Amides, Fatty Amines, Esters of Fatty Acids, Soaps of Fatty Acids, Sulfated Waxes, Sulfated Amides, Sulfonated Alkylated Aromatics, Antistatic Compositions for Textiles, Cationic Fabric Treating Compositions, Chemical Defoamers, Mercerizing and Carbonizing Assistants, Plasticizers for Warp Sizing, Coning Oils, Kier Boil Assistants, Wax Emulsifiers, Pigment Dispersing Aids, Rayon Crepe Soaking Oils, Silk Soaking Oils, Textile Scouring Compositions, Textile Sizing Compositions, Yarn and Fiber Lubricants, Scrooping Compounds, Viscose Spin Bath Additives, Flameproofing Compounds, Compositions for Rendering Textiles Water Repellant, Wool and Worsted Lubricants, Dye and Finish Assistants and Penetrants, Fat-Liquoring Oils, Sole Leather Wax Polishes, Alum Stable Leather Oils, Leather Sponging and Washing Compounds, Synthetic Neat's-Foot Oil, Leather Finishing Oils, Paper and Pulp Defoamers, Cationic Tissue Softening Compounds, Emulsified Synthetic Resins, Polyvalent Metal Soap Dispersions, Paper Felt Washing Compounds, Foam Killers and Sheet Foamation Aids, Free Rosin Sizing Agents, Pitch Control Compositions for Use in the Pulp and Paper Industry, Paper Sizes, Cutting Oil Emulsifiers, Mold Lubricants, Rust Inhibitors, Wire Drawing Compounds, Synthetic Drying Oils, Latex Extenders, Linseed Oil and Ester Gum Extenders, Waterproofing Compositions, Shampoos, Agricultural Oil Spray Emulsifiers, Plasticizers for Rubber, Cellulose Derivatives and Synthetic Resins, Other Wetting, Emulsifying and Dispersing Agents for General Use in the Industrial Arts.
Claims use since Sept. 1, 1917.

Ser. No. 586,799. Charles Thornfield, doing business as Furmoto Chemical Company, London, England. Filed Oct. 25, 1949.

SPECTAKLEER

Applicant claims ownership of British Registration No. 635,414, dated Jan. 13, 1947.
For Preparation for Cleaning and Polishing Glass.

Ser. No. 590,544. Fred A. Brown Company, Grand Rapids, Mich. Filed Jan. 9, 1950.



The words "Furniture," "It's Quick" and "It's Slick" are disclaimed.
For Furniture Polish and Cleaner.
Claims use since Nov. 21, 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 580,189. Food Machinery and Chemical Corporation, San Jose, Calif. Filed June 9, 1949.

Kolobrite

Applicant claims ownership of Registrations Nos. 224,515, 374,881, and 376,118.
For Parasiticides for Plant Use.
Claims use since Feb. 3, 1936.

Ser. No. 581,326. Diamond Alkali Company, Cleveland, Ohio. Filed June 30, 1949. (Sec. 2f.)

ALKALI

The word "Alkali" is disclaimed.
For Soda Ash, Caustic Soda, and Modified Forms of Each of Varying Alkali Content, Including Bicarbonate of Soda, Silicated Alkalis of Various Ratios of Sodium Oxide and Silica, Including Sodium Metasilicate, Chlorine, Chlorinated Paraffin, and Chrome Chemicals.
Claims use since 1914.

Ser. No. 585,483. Nopco Chemical Company, Harrison, N. J. Filed Aug. 15, 1949. (Classified in Class 4.)

NOPCO

Applicant claims ownership of Registrations Nos. 121,927, 349,176, 406,600, 406,773, 417,461, 425,132.
For Sulfated Fatty Oils, Sulfated Fatty Acids, Fatty Amides, Fatty Amines, Esters of Fatty Acids, Soaps of Fatty Acids, Sulfated Waxes, Sulfated Amides, Sulfonated Alkylated Aromatics, Antistatic Compositions for Textiles, Cationic Fabric Treating Compositions, Chemical Defoamers, Mercerizing and Carbonizing Assistants, Plasticizers for Warp Sizing, Coning Oils, Kier Boil Assistants, Wax Emulsifiers, Pigment Dispersing Aids, Rayon Crepe Soaking Oils, Silk Soaking Oils, Textile Scouring Compositions, Textile Sizing Compositions, Yarn and Fiber Lubricants, Scrooping Compounds, Viscose Spin Bath Additives, Flameproofing Compounds, Compositions for Rendering Textiles Water Repellant, Wool and Worsted Lubricants, Dye and Finish Assistants and Penetrans, Fat-Liquoring Oils, Sole Leather Wax Polishes, Alum Stable Leather Oils, Leather Sponging and Washing Compounds, Synthetic Neat's-Foot Oil, Leather Finishing Oils, Paper and Pulp Defoamers, Cationic Tissue Softening Compounds, Emulsified Synthetic Resins, Polyvalent Metal Soap Dispersions, Paper Felt Washing Compounds, Foam Killers and Sheet Foamation Aids, Free Rosin Sizing Agents, Pitch Control Compositions for Use in the Pulp and Paper Industry, Paper Sizes, Cutting Oil Emulsifiers, Mold Lubricants, Rust Inhibitors, Wire Drawing Compounds, Synthetic Drying Oils, Latex Extenders, Linseed Oil and Ester Gum Extenders, Waterproofing Compositions, Shampoos, Agricultural Oil Spray Emulsifiers, Plasticizers for Rubber, Cellulose Derivatives and Synthetic Resins, Other Wetting, Emulsifying, and Dispersing Agents for General Use in the Industrial Arts.
Claims use since Sept. 1, 1917.

Ser. No. 590,995. The Roxborough Company, Philadelphia, Pa. Filed Jan. 17, 1950.

PLASTILUX

For Chemical Composition Added to a Dyeing Compound for Giving Hosiery a Duller Finish and Affording Resistance to Snags and the Like.
Claims use since Apr. 1, 1949.

Ser. No. 591,011. Allied Chemical & Dye Corporation, New York, N. Y. Filed Jan. 18, 1950. (Sec. 2f.)

Barrett

Applicant claims ownership of Registrations Nos. 87,311, 87,312, and others.
For Hydrocarbons, Phenols, Including Chlorinated Phenols and Phenol Hydrocarbon Mixtures, Organic Acids and Their Derivatives Including Anhydrides and Esters, Organic Nitrogen Compounds, and Inorganic Chemicals, for Use as Solvents, Intermediates and Reagents, Preservatives, Impregnants, Bases for Disinfectants, Flotation Agents, Blending Agents, Heat Transfer Agents, Denaturants, Pickling Inhibitors; and in Water Purification, Metal Recovery, and Electroplating; Plasticizers (Including Softeners), Wetting, Swelling, and Dispersing Agents, Fluxes, and Solvents, for Resin-Compounding and Rubber and Synthetic Rubber Compounding; Insecticides, and Household and Industrial Germicides, Disinfectants, and Fungicides.
Claims use since 1906.

Ser. No. 591,202. Spontane Mfg. Company, Atlanta, Ga. Filed Jan. 20, 1950.

Aqualax

For Chemical Compounds for Use as Water Softeners.
Claims use since Oct. 1, 1949.

Ser. No. 591,611. Compo Chemical Company, Inc., Mansfield and Boston, Mass. Filed Jan. 28, 1950.

ty-d

For Protective Hand Cream for Preventing Dirt and Stains From Reaching the Skin.
Claims use since Oct. 15, 1948.

Ser. No. 602,518. The Pacific Lumber Company, San Francisco, Calif. Filed Aug. 21, 1950.



The word "Acid" is disclaimed.
For Organic Acid Obtained by Ion Exchange From the Salt Formed in Reacting Redwood Bark With Sodium Hydroxide.
Claims use since May 5, 1950.

Ser. No. 602,519. The Pacific Lumber Company, San Francisco, Calif. Filed Aug. 21, 1950.

Palco
PSA
PALCOSULFONIC ACID

The word "Acid" is disclaimed.
For Organic Acid Group Obtained by Ion Exchange From the Salt Formed in Reacting Redwood Bark With Sodium Sulphite.
Claims use since May 5, 1950.

Ser. No. 602,520. The Pacific Lumber Company, San Francisco, Calif. Filed Aug. 21, 1950.

Palco
SP
SODIUM PALCOATE

The word "Sodium" is disclaimed.
For Sodium Salt Formed by Reacting Redwood Bark With Sodium Hydroxide.
Claims use since May 5, 1950.

Ser. No. 602,521. The Pacific Lumber Company, San Francisco, Calif. Filed Aug. 21, 1950.

Palco
SPS
SODIUM PALCOSULFONATE

The word "Sodium" is disclaimed.
For Sodium Salt Formed by Reacting Redwood Bark With Sodium Sulphite.
Claims use since May 5, 1950.

Ser. No. 603,638. Meypro Ltd., Weinfelden, Switzerland. Filed Sept. 16, 1950.

HELLA-GUM

Priority is claimed under Sec. 44(*d*). Swiss application filed Mar. 22, 1950. The word "Gum" is disclaimed. Applicant claims ownership of Swiss Registration No. 133,230, dated Mar. 22, 1950.
For Chemical Auxiliary Products for the Textile Industry—Namely, Thickening Substances, Dressing and Sizing Agents.
Claims use since January 1950 in Switzerland; and first used in commerce between foreign nations and the United States on Feb. 27, 1950.

Ser. No. 603,639. Meypro Ltd., Weinfelden, Switzerland. Filed Sept. 16, 1950.

MEYPRO-GUM

Priority is claimed under Sec. 44(d). Swiss application filed Mar. 22, 1950. The word "Gum" is disclaimed. Applicant claims ownership of Swiss Registration No. 133,231, dated Mar. 22, 1950.
For Chemical Auxiliary Products for the Textile Industry—Namely, Thickening Substances, Dressing and Sizing Agents.
Claims use since January 1950 in Switzerland; and first used in commerce between foreign nations and the United States on Feb. 27, 1950.

Ser. No. 609,102. Rocon, Inc., Denver, Colo. Filed Jan. 22, 1951.

ROCON

The drawing is lined for the colors red and green.
For Rodent Poisons.
Claims use since Mar. 1, 1950.

Ser. No. 610,344. Stauffer Chemical Company, San Francisco, Calif. Filed Feb. 20, 1951.

SULPHENONE

For Mite Control Material Containing p-Chlorophenyl Phenyl Sulfone.
Claims use since Feb. 5, 1951.

Ser. No. 610,734. Ted Bergman, Miami, Fla. Filed Mar. 2, 1951. (Sec. 2f.)



The drawing is lined for blue and silver.
For Bottled Propane and Butane Gas.
Claims use since Jan. 23, 1946.

Ser. No. 610,906. Homemakers' Products Corporation, New York, N. Y. Filed Mar. 6, 1951.

INCONTINENE

For Antiseptic Solution for the Treatment of Diapers, Towels, and the Like.
Claims use since Nov. 1, 1950.

Ser. No. 610,976. Hysan Products Company, Chicago, Ill. Filed Mar. 7, 1951.

HY-GLY

For Aerosol Bombs Containing Disinfectants, Deodorants, Sanitizers, and Air Fresheners.
Claims use since Feb. 14, 1951.

Ser. No. 611,100. Monsanto Chemical Company, St. Louis, Mo. Filed Mar. 9, 1951.

DYTANE

For Chemicals and Chemical Compositions for Use in Treating Textiles To Improve or Modify the Characteristics Thereof Including the Fixation of Color.
Claims use since Feb. 9, 1951.

Ser. No. 611,369. Phillips Chemical Company, Bartlesville, Okla. Filed Mar. 15, 1951.

Philblack

Applicant claims ownership of Registrations Nos. 440,043 and 408,178.
For Carbon Compounding Material Used Principally as a Filler in Rubber or in Synthetic Rubber.
Claims use since Aug. 5, 1943.

Ser. No. 611,419. Fungitrol Chemicals Incorporated, Hillside, N. J. Filed Mar. 16, 1951.

Cona-six

For Economic Poisonous Composition for Preserving Wood, Fabric, and Rope Against Decay, Mold, and Mildew and Protecting Them From Attack by Termites, Lyctus Beetles, and Certain Other Wood Destroying Insects.
Claims use since Sept. 29, 1950.

Ser. No. 611,517. Georgia Leather Company, Newark, N. J. Filed Mar. 19, 1951.

SURTEX

For Chemical Preparation in Liquid Form Intended for Use as a Coating on Leather, Cloth, Paper, and Leather Substitutes.
Claims use since Mar. 1, 1945.

Ser. No. 611,600. Cal Products Company, Los Angeles, Calif. Filed Mar. 21, 1951.

diasof

For Composition Having Germicidal and Softening Properties When Used on Diapers and Other Cellulose Fabrics.
Claims use since Oct. 3, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 611,894. Ecusta Paper Corporation, Pisgah Forest, N. C. Filed Mar. 28, 1951.

UNIVERSAL

For Cigarette Paper.
Claims use since Sept. 8, 1948.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 536,675. Richard M. Cutts, The Plains, Va. Filed Oct. 3, 1947. (Sec. 2f.)

COMPENSATOR

For Gas Porting Devices of Various Types for the Muzzles of Firearms.
Claims use since April 1926.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 571,321. Ditto, Incorporated, Chicago, Ill. Filed Dec. 30, 1948.

DITTCREST

For Hectograph Carbon Paper and Duplicating Units Comprising a Plurality of Paper Sheets Secured Together, One of Which Sheets Is Adapted To Be Used as a Master Sheet in Duplicating Processes and Another of Said Sheets Being Provided With a Hectograph Carbon Coating.
Claims use since Apr. 15, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 551,340. United States Plywood Corporation, New York, N. Y. Filed Mar. 5, 1948.

FLEXMETL

For Laminated Panel of Wood and Metal Bonded Together To Be Used as a Construction Material.
Claims use since Sept. 11, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 478,590. Lo-Heet Stainless Steel Co., Los Angeles, Calif. Original filed, act of 1905, Jan. 13, 1945; amended to application under act of 1946, Principal Register, Nov. 12, 1947.

LO-HEET
Stainless Steel
KOOK-WARE

The words "Stainless Steel" and "Ware" are disclaimed.
For Cooking Utensils—Namely, Pots, Pans, Skillets, Roasters, Steamers, Non-Electric Coffee and Tea Pots, Pie Pans, Cullenders, All Made of Stainless Steel.
Claims use since Sept. 1, 1940.

Ser. No. 527,742. The American Rolling Mill Company, Middletown, Ohio, now by change of name Armco Steel Corporation. Filed July 5, 1947. (Sec. 2f.)

ARMCO

Applicant claims ownership of Registrations Nos. 148,346, 104,245, and 139,474.
For Ferrous Metal Pipe and Ferrous Metal Pipe Fittings; Ferrous Metal Conduits for Conveying Liquids and Gases, and Ferrous Metal Conduit Fittings and Parts.
Claims use since Aug. 1, 1910.

Ser. No. 542,488. Reliance Regulator Corporation, Alhambra, Calif. Filed Nov. 26, 1947.

RELIANCE

For Regulators for Controlling the Flow and Pressure of Gas.
Claims use since Dec. 5, 1905.

Ser. No. 563,028. The Standard Oil Company, Cleveland, Ohio. Filed Aug. 7, 1948. (Sec. 2f.)

SAFTYWELD

For Pipe Couplings.
Claims use since Dec. 5, 1947.

Ser. No. 565,692. Elastic Stop Nut Corporation of America, Union, N. J. Filed Sept. 23, 1948.

ESNA

For Nuts, Bolts, Clips, Clamps, Metal Bushings, Screws and Metal Brackets; and Fastening Units—Namely, Nuts and Bolts, in Combination With Metal Channels and/or Brackets, and/or Baskets for Joining and Fastening Adjoining Metallic Parts.
Claims use since Jan. 7, 1943.

Ser. No. 567,426. The Parker Appliance Company, Cleveland, Ohio. Filed Oct. 21, 1948.



For Couplings for Metal Tubes and Pipes; Couplings for Rubber Hose; Level Control Valves; Selector Valves; Needle Valves, Check Valves, Shuttle Valves, Pressure Relief Valves, Plug Valves, Valves for Controlling Hydraulic Cylinders and Servo-Motors, Valves for Refueling and Draining Fuel and Oil Tanks of Aircraft and Tank Trucks From Beneath, Valves for Dumping or Jettisoning Fuel From Aircraft in Flight, Spring Seated Manually Operated Poppet Valves, Sump Selector Valves, Draft Gage Manifold Valves, Blow Down Manifold Valves, Blow Valves, Static Pressure Selector Valves, Offset and Bleeder Valves, Drain Cocks, Liquid Strainers for Tubing and Hose, Clips for Metal Tubes, Snubbers for Fluid Pressure Gages, Manifold Pipes and Pipe Flanges.
Claims use since May 1942.

Ser. No. 570,516. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 14, 1948.

DUNLAP

Applicant claims ownership of Registration No. 369,614.
For Hose Nozzles, Lawn Sprinklers.
Claims use since Jan. 15, 1940.

Ser. No. 577,225. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Apr. 15, 1949.

MERCHROME

Applicant claims ownership of Registration No. 141,609.
For Valves for Control of Fluids and Component Parts Thereof.
Claims use since July 31, 1944.

Ser. No. 577,226. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Apr. 15, 1949.

WELDLINED

For Plug Valves for Control of Fluids and Component Parts Thereof.
Claims use since July 31, 1944.

Ser. No. 581,273. Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Filed June 29, 1949. (Sec. 2f as to "Mansfield.")



For Toilet Bowls and Tanks, Urinals, Lavatories and Lavatory Basins, Sinks, and Metal Fittings for Each—Namely, Ball Cocks and Flush Valves.
Claims use since June 22, 1937.

Ser. No. 582,340. Audley Engineering Company Limited, Newport, Shropshire, England. Filed July 22, 1949.

AUDCO

Applicant claims ownership of United States Registration No. 386,956, and British Registration No. 471,635, dated July 20, 1926.
For Valves for Controlling the Flow of Fluids in Pipelines.
Claims use since July 20, 1926, in Great Britain; and first used in commerce between Great Britain and the United States on Jan. 1, 1945.

Ser. No. 585,715. The New England Manufacturing and Supply Corporation, New Haven, Conn. Filed Oct. 3, 1949.

DYNAMATIC

For Door Check.
Claims use since Mar. 15, 1949.

Ser. No. 588,388. Plumbing and Drainage Institute, Detroit, Mich. Filed Nov. 26, 1949. CERTIFICATION MARK.



The word "Certified" is disclaimed.
For Plumbing and Drainage Products—Namely, Access Covers, Air Gaps, Back Water Valves, Bell Traps, Boiler Stand Brackets To Support Water Tanks, Carriers for Supporting Water Closets and Lavatories and Urinals, Cess Pools, Cleanouts, Cleanout Plugs, Closet Connections, Closet Flanges, Closet Supports, Conductor Fittings, Drains for Use in Plumbing Waste Pipe Systems and/or Sewerage Systems, Drainage Fittings, Drain Sumps and Basins, Drip Boxes, Expansion Joints, Ferrules, Floor Flanges, Fresh Air Inlets, Grates (Strainers for Drains), Hose Boxes, Hydrants, Interceptors Designed To Separate Foreign Materials From Waste Water, Pipe Adapters, Roof Flanges, Service Boxes, Sleeves (Metal Caulking, Expansion, and Vent Sleeves for Use in Piping Systems), Soil Pipe Fittings, Special Waste Sinks, Stack Base Fittings, Strainer Heads, Swimming Pool Inlets Designed To Permit the Entry of Water to the Pool, Test Plugs, Test T's, Traps for Use in Waste Systems, Trap Screws, Vacuum Breakers, Valve Boxes, and Vent Boxes.
Claims use since Aug. 1, 1949.

Ser. No. 601,233. Harper Richards, Chicago, Ill. Filed July 25, 1950.



For Child's Collapsible Toilet Seat.
Claims use since Nov. 2, 1949.

Ser. No. 603,132. Warren G. Thomas, doing business under the trade name and style of Portaglide, Philadelphia, Pa. Filed Sept. 2, 1950.

portaglide

For Hardware for Sliding Doors Comprising Metal Channels and Plastic Door Supports Adapted for Attachment Respectively to the Door Lintel and to the Door for Relatively Sliding Movement, Said Parts Being Sold in Sets Accompanied by Drivable Attaching Means.
Claims use since Aug. 5, 1950.

Ser. No. 603,494. Morse-Starrett Products Company, Oakland, Calif. Filed Sept. 13, 1950. (Sec. 2f.)

MORSE-STARRETT

Applicant claims ownership of Registration No. 534,544.
For Cable Bands Used in the Cutting of Wire Cables So That the Cut End of the Wire Cables Do Not Unravel.
Claims use since 1928.

Ser. No. 603,557. Joseph B. Stier, doing business under the name of Styson Art Products Co., New York, N. Y. Filed Sept. 14, 1950.

SILVERAY

For Aluminum Table Ware—Namely, Cheese Dishes, Marmalade Dishes, and Relish Dishes.
Claims use since Jan. 3, 1950.

Ser. No. 606,203. Bell & Gossett Company, Morton Grove, Ill. Filed Nov. 10, 1950. (Sec. 2f.)

Hydro-Flo

Applicant claims ownership of Registration No. 425,378.
For Flow Control Valves, Pipe Fittings for Hot Water Heating Systems, Dual Unit Valves Consisting of Pressure Reducing and Pressure Relief Valves, Pressure Reducing Valves, and Pressure Relief Valves.
Claims use since Aug. 29, 1945.

Ser. No. 609,577. United States Rubber Company, New York, N. Y. Filed Feb. 2, 1951.

USCOLITE

For Pipes and Pipe Fittings Made of Plastic Material.
Claims use since Nov. 27, 1950.

Ser. No. 609,660. The National Supply Company, Pittsburgh, Pa. Filed Feb. 5, 1951.

SPANGSEAL

Applicant claims ownership of Registration No. 531,654.
For Metal Pipe, Tubes, and Fittings Therefor.
Claims use since Nov. 2, 1950.

Ser. No. 611,070. Barnes Manufacturing Co., Mansfield, Ohio. Filed Mar. 9, 1951. (Sec. 2f as to "Barnes.")



Applicant claims ownership of Registrations Nos. 95,732, 506,586, and others.
For Plumbers' Brass Goods—Namely, Faucets and Drains for Kitchen, Bathroom, and Laundry, Tub and Shower Fillers and Drains, Vacuum Breaking Valves, Fuel Servicing Nozzles, Pipe Flanges, and Y-Strainers for Water Lines.
Claims use since 1896 on the word "Barnes"; and since Mar. 5, 1947, on the mark as shown.

Ser. No. 613,515. Markwell Manufacturing Co., Inc., New York, N. Y. Filed May 4, 1951.

Q

For Machine Applied and Cohered Staples Used in Automatic Desk Type Stapling Machines for Fastening Papers, Cardboard, and Fabrics Together.
Claims use since January 1933.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 595,177. Victor Equipment Company, San Francisco, Calif. Filed Apr. 3, 1950.

VICTORITE

For Coated and Uncoated Welding Rods.
Claims use since June 15, 1949.

Ser. No. 600,868. Victor Equipment Company, San Francisco, Calif. Filed July 18, 1950.

VICTOR TUNGSMOOTH

For Coated and Uncoated Welding Rods.
Claims use since Apr. 29, 1950.

Ser. No. 606,446. Vanadium-Alloys Steel Company, Latrobe, Pa. Filed Nov. 15, 1950.

RED STAR

For Tool Steel in the Form of Billets, Forgings, Bars, Sheets, and Plates for Use in Fabrication Into Such Articles as Shear Blades, Heading Dies, Punches, Broaches, Reamers, and the Like.
Claims use since July 1, 1902.

Ser. No. 606,639. Vanadium-Alloys Steel Company, Latrobe, Pa. Filed Nov. 18, 1950.

MARVEL

For Tool Steel in the Form of Billets, Forgings, Bars, Sheets, and Plates for Use in Fabricating Into Such Articles as Forging Dies, Die Casting Dies, Shear Blades, and the Like.
Claims use since Jan. 24, 1912.

CLASS 15

OILS AND GREASES.

Ser. No. 584,028. Thompson Products, Inc., Cleveland, Ohio. Filed Aug. 25, 1949.

Vitane

Applicant claims ownership of Registration No. 520,154.
For Supplementary Fuel for Internal Combustion Engines, Consisting of Water, Alcohol, Tetraethyl Lead, and a Corrosion Inhibiting Dispersant.
Claims use since June 30, 1949.

Ser. No. 585,483. Nopco Chemical Company, Harrison, N. J. Filed Aug. 15, 1949. (Classified in Class 4.)

NOPCO

Applicant claims ownership of Registrations Nos. 121,927, 349,176, 406,600, 406,773, 417,461, and 425,132.
For Sulfated Fatty Oils, Sulfated Fatty Acids, Fatty Amides, Fatty Amines, Esters of Fatty Acids, Soaps of Fatty Acids, Sulfated Waxes, Sulfated Amides, Sulfonated Alkylated Aromatics, Antistatic Compositions for Textiles, Cationic Fabric Treating Compositions, Chemical Defoamers, Mercerizing and Carbonizing Assistants, Plasticizers for Warp Sizing, Coning Oils, Kier Boil Assistants, Wax Emulsifiers, Pigment Dispersing Aids, Rayon Crepe Soaking Oils, Silk Soaking Oils, Textile Scouring Compositions, Textile Sizing Compositions, Yarn and Fiber Lubricants, Scrooping Compounds, Viscose Spin Bath Additives, Flameproofing Compounds, Compositions for Rendering Textiles Water Repellant, Wool and Worsted Lubricants, Dye and Finish Assistants and Penetrants, Fat-Liquoring Oils, Sole Leather Wax Polishes, Alum Stable Leather Oils, Leather Sponging and Washing Compounds, Synthetic Neat's-Foot Oil, Leather Finishing Oils, Paper and Pulp Defoamers, Cationic Tissue Softening Compounds, Emulsified Synthetic Resins, Polyvalent Metal Soap Dispersions, Paper Felt Washing Compounds, Foam Killers and Sheet Foamation Aids, Free Rosin Sizing Agents, Pitch Control Compositions for Use in the Pulp and Paper Industry, Paper Sizes, Cutting Oil Emulsifiers, Mold Lubricants, Rust Inhibitors, Wire Drawing Compounds, Synthetic Drying Oils, Latex Extenders, Linseed Oil and Ester Gum Extenders, Waterproofing Compositions, Shampoos, Agricultural Oil Spray Emulsifiers, Plasticizers for Rubber, Cellulose Derivatives and Synthetic Resins, Other Wetting, Emulsifying and Dispersing Agents for General Use in the Industrial Arts.
Claims use since Sept. 1, 1917.

Ser. No. 594,826. The Bell Company, Inc., Chicago, Ill. Filed Mar. 29, 1950. (Sec. 2f.)

LIQUIDRIVE

Applicant claims ownership of Registration No. 423,906.
For Fluids Used as a Fluid Coupling for the Transmission of Power in Motor Driven Devices, Said Fluids Having a Mineral Oil Base.
Claims use since Jan. 8, 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 617,971. Seidlitz Paint & Varnish Company, Kansas City, Mo. Filed Aug. 22, 1951. (Sec. 2f.)

MultiTint

Applicant claims ownership of Registration No. 414,376.
For Paint in Paste or Semi-Paste Form, Varnish, Lacquer, and Coloring Material for Paint in Powdered Form.
Claims use since Apr. 22, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 611,185. Murray Hill Restaurant, Inc., New York, N. Y. Filed Mar. 12, 1951.

Jack & Charlie's "21"

For Cigarettes, Cigars, and Pipe Tobacco.
Claims use since Jan. 2, 1937.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 568,288. United Western Laboratories Inc., Denver, Colo. Filed Nov. 5, 1948. (Classified in Class 51.)

Joon

Applicant claims ownership of Registration No. 157,375.
For Finishing Creams, Face Lotions, Astringents, Skin Tonics, Tissue Tonics, Vitamized Toilet Creams, Liquid Face Powders, Facial Oils, Rouges, Lipsticks, Eyebrow Pencils, Eye Shadows, Eyelash Growers, Yeast Packs, Avocado Packs, Tomato Packs, Milk Packs, Clay Packs, Oatmeal Packs, Tooth Powders, Tooth Pastes, Mouth Washes, Mouth Antiseptics, Foot Powders, Hair Tonics or Lotions in Cream and/or Liquid Forms, Hair Rinses, Brilliantines, Hair Oils, Dandruff Removers, Permanent Wave Solutions, Finger Wave Lotions, Depilatory Creams, Bath Salts, Bath Oils, Facial Plastics, Hair Shampoos, Deodorants, Feminine Hygiene Preparations, Nail Polishes, Cuticle Removers, Nail Dyes, Nail Bleaches, Hand Creams, Hand Lotions, Hand Bleaches, Face Creams, Face Rinses, Face Powders, Foot Creams, Corn and Bunion Preparations, Perfumes, Toilet Waters, Sachet Powder, Cough Preparations, Liniments, Yeast and Liver Tablets, and Ointments.
Claims use since Oct. 29, 1921.

Ser. No. 570,212. Samuel K. Lowry, doing business under the firm name and style of York Drug Store, York, S. C. Filed Dec. 8, 1948. (Sec. 2f.)

KENNEDYS MIXTURE

The word "Mixture" is disclaimed.
For Medicinal Preparation for Aid in Relief of Gastric Disturbances.
Claims use since 1932.

Ser. No. 587,264. International Hormones, Inc., Brooklyn, N. Y. Filed Nov. 3, 1949.

ADRENO-SAL
INTERNATIONAL HORMONES

The words "Sal" and "Hormones" are disclaimed.
For Pharmaceutical Preparation Having Hemostatic Properties.
Claims use since Oct. 5, 1948.

Ser. No. 589,584. Calixa Charles Martel, doing business as Calix-A Caps Company, Lewiston, Maine. Filed Dec. 19, 1949.

CALIX-A CAPS

For Medicinal Preparation for Use in the Treatment of Muscular Aches and Pains.
Claims use since Oct. 11, 1949.

Ser. No. 589,782. Gerselle Pharmacal Company, Chicago, Ill. Filed Dec. 22, 1949.

Dermo-Lotio

For Body Lotion for Application to the Skin To Aid in the Prevention of Bed Sores, Sheet Burns, Dryness, and Other Mild Skin Irritations, for Use Particularly in Sick Rooms.
Claims use since Apr. 15, 1933.

Ser. No. 590,204. The William A. Webster Company, Memphis, Tenn. Filed Dec. 30, 1949.

VALERITAL

For Sedative and Antispasmodic Preparation.
Claims use since Sept. 3, 1943.

Ser. No. 590,239. E. R. Squibb & Sons, New York, N. Y. Filed Dec. 31, 1949.

PRONESTYL

For Cardiac and Anesthetic Drugs.
Claims use since Dec. 1, 1949.

Ser. No. 591,896. René Howard Douglas, doing business under the name Douglas Laboratories, Evanston, Ill. Filed Jan. 18, 1950.

DELACTOL

For Vitamin D for the Fortification of Milk.
Claims use since Dec. 10, 1941.

Ser. No. 598,876. The Vio Bin Corporation, Monticello, Ill. Filed June 9, 1950.

DENAMONE

For Concentrate of Wheat Germ Oil Containing Certain Therapeutically Active Values Naturally Occurring in Wheat Germ.
Claims use since May 2, 1950.

Ser. No. 600,365. White Laboratories, Inc., Newark, N. J. Filed July 7, 1950.

EMOLICIDE

For Germicidal Emollient Used as a Pre-Operative Scrub.
Claims use since Mar. 2, 1950.

Ser. No. 606,773. Hair Bon Laboratories, Inc., Providence, R. I. Filed Nov. 22, 1950.

HAIRBON

The word "Hair" is disclaimed.
For Scalp Ointment.
Claims use since September 1949.

Ser. No. 606,798. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

NOP-SOL

Applicant claims ownership of Registrations Nos. 310,335, 349,176, and others.
For Water-Dispersible Vitamin Concentrates.
Claims use since August 1949.

Ser. No. 608,670. Parke, Davis & Company, Detroit, Mich. Filed Jan. 11, 1951.

HESTADIN

Applicant claims ownership of Registration No. 372,153.
For Preparation for the Treatment of Hypertension.
Claims use since Dec. 14, 1950.

Ser. No. 609,205. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Jan. 24, 1951.

EGRESAMIDE

For Diuretic.
Claims use since Oct. 9, 1950.

Ser. No. 609,210. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Jan. 24, 1951.

SITUCAINE

For Local Anesthetic.
Claims use since Dec. 1, 1950.

Ser. No. 609,532. Chicago Pharmacal Company, Chicago, Ill. Filed Feb. 2, 1951.

OXYDESS

For Preparation Used in the Treatment of Obesity To Counteract the Feeling of Fatigue.
Claims use since June 27, 1946.

Ser. No. 609,794. Charles E. Frosst & Co., Montreal, Quebec, Canada. Filed Feb. 8, 1951.

TUTAMATE

Applicant claims ownership of Canadian Registration No. N. S. 11,797, dated May 26, 1939.
For Pharmaceutical Preparation for Use as a Vitamin and Mineral Nutritional Supplement.

Ser. No. 609,840. Armour and Company, Chicago, Ill. Filed Feb. 9, 1951.

THYRAR

For Thyroid Preparation.
Claims use since Jan. 26, 1951.

Ser. No. 609,997. Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Filed Feb. 13, 1951.

CLUSIVOL

For Vitamins and Minerals in Combined Dosage Form.
Claims use since Jan. 31, 1951.

Ser. No. 610,282. Eli Lilly and Company, Indianapolis, Ind. Filed Feb. 19, 1951.

NEOTRIZINE

For Medicinal Preparation Containing Sulfadiazine, Sulfamerazine and Sulfamethazine Used in the Treatment of Infections Due to Streptococci, Pneumococci, and Other Sulfonamide-Susceptible Organisms.
Claims use since Oct. 2, 1950.

Ser. No. 610,386. E. R. Squibb & Sons, New York, N. Y. Filed Feb. 21, 1951.

THYLOKAY

For Antihemorrhagic Preparations.
Claims use since June 21, 1950.

Ser. No. 611,965. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Mar. 29, 1951.

BANASIL

For Medical Preparation—Namely, a Brand of Sodium Salicylate and p-Aminobenzoic Acid Enteric Coated Tablet for Treatment of Arthritic Conditions.
Claims use since Oct. 25, 1950.

Ser. No. 611,971. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Mar. 29, 1951.

ULPANSOL

For Medical Preparation—Namely, a Brand of Sodium Salicylate and p-Aminobenzoic Acid Enteric Coated Tablet for Treatment of Arthritic Conditions.
Claims use since Nov. 22, 1950.

CLASS 19

VEHICLES

Ser. No. 576,386. American Brake Shoe Company, New York, N. Y. Filed Mar. 31, 1949. (Sec. 2f.)

AMERICAN BRAKEBLOK

Applicant claims ownership of Registrations Nos. 270,256, 296,390, and others.
For Vehicle Wheels and Truck Caster Wheels of Composition Material.
Claims use since Sept. 1, 1934.

Ser. No. 592,712. Daniel C. Larkin, doing business under the assumed name of The Crest Company, Detroit, Mich. Filed Feb. 18, 1950.

Sloppy Joe

For Automobile Seat Covers.
Claims use since Jan. 30, 1950.

Ser. No. 592,713. Daniel C. Larkin, doing business under the assumed name of The Crest Company, Detroit, Mich. Filed Feb. 18, 1950.



The figure of the man is fanciful.
For Automobile Seat Covers.
Claims use since Jan. 30, 1950.

Ser. No. 601,658. Ateliers de la Motobecane, Pantin, Seine, France. Filed Aug. 3, 1950.

MOBYLETTE

Applicant claims ownership of French Registration No. 396,415, dated Aug. 27, 1949.
For Motor-Driven Bicycles and Parts Thereof.

Ser. No. 605,690. Spring Perch Co., Inc., Lackawanna, N. Y. Filed Oct. 31, 1950.

Plastaligner

For Liners for Insertion Between Vehicle Spring Leaves.
Claims use since July 27, 1950.

Ser. No. 612,050. Wilks, Mackie & Company Ltd., Birmingham and Dorridge, Birmingham, England. Filed Mar. 30, 1951.

MARAUDER

Applicant claims ownership of British Registration No. 689,084, dated May 16, 1950.
For Motor Road Vehicles and Structural Parts Thereof.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 564,463. Penn Electric Switch Co., Goshen, Ind. Filed Aug. 31, 1948. (Sec. 2f.)

PENN

Applicant claims ownership of Registrations Nos. 246,458 and 354,237.
For Relays, Solenoid Valves, Electric Motor-Driven Furnace Damper Operators, and Automatic Electric Switches, Particularly Pressure-Operated, Float-Operated, Vacuum-Operated, Humidity-Operated, and Electric Clock-Operated Switches.
Claims use since Feb. 19, 1947, as to the mark in the style shown; and since 1919 as to the mark in any other style.

Ser. No. 570,203. Holt Manufacturing Company, Oakland, Calif. Filed Dec. 8, 1948.

WHIRLWIND

Applicant claims ownership of Registration No. 317,764.
For Electrical Portable Floor Machines.
Claims use since January 1923.

Ser. No. 613,947. Stokes Molded Products, Inc., Trenton, N. J. Filed May 16, 1951.

SYNPOR

For Microporous Storage Battery Separators and Retainers.
Claims use since Apr. 20, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 599,351. The United States Playing Card Company, Cincinnati, Ohio. Filed June 17, 1950.

MOHAWK

For Playing Cards.
Claims use since 1928.

Ser. No. 611,171. Henry F. Cooper, doing business as Henry F. Cooper Fish Bait Co., Fort Worth, Tex. Filed Mar. 12, 1951.



The representation of the fish and the bait are disclaimed.
For Pickled Shrimp Bait.
Claims use since Mar. 6, 1951.

Ser. No. 611,294. Montello Products Company, Ripon, Wis. Filed Mar. 14, 1951.

FLYING SAUCER

For Sleds.
Claims use since November 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 545,066. Wolseley Motors Limited, Birmingham, Warwickshire, England. Filed Dec. 20, 1947.

WOLSELEY

Applicant claims ownership of British Registration No. 403,118, dated Apr. 20, 1920.
For Internal Combustion Motors.

Ser. No. 555,851. Trans-Meter Corporation, New York, N. Y. Filed Apr. 29, 1948.

TRANS-METER

The word "Meter" is disclaimed.
For Automatic Coin-Operated Dispensing Machines and Parts Therefor.
Claims use since Jan. 30, 1946.

Ser. No. 576,602. The Wheel Lifter Co., Tulsa, Okla. Filed Apr. 4, 1949.

Wheelmaster

For Manually Operated Tools for Lifting and Lowering Wheels, With Tires Mounted Thereon, in Applying Such Wheels to and Removing Such Wheels From Motor Vehicle Axles.
Claims use since Nov. 1, 1948.

Ser. No. 577,378. Food Machinery and Chemical Corporation, San Jose, Calif. Filed Apr. 19, 1949.

Ridemaster

For Tractors.
Claims use since June 1, 1948.

Ser. No. 582,841. King Kernel, Inc., Chicago, Ill. Filed Aug. 2, 1949.



The words "It's Hot 'N' Fresh" and "Kernel" and the representation of the ear of corn are disclaimed.
For Popcorn Dispensing Machines.
Claims use since July 1, 1949.

Ser. No. 583,619. Rotary Lift Company, Memphis, Tenn. Filed Aug. 17, 1949. (Sec. 2f.)

Rotary

Applicant claims ownership of Registrations Nos. 268,646 and 540,645.
For Automobile, Bus, and Truck Servicing Lifts; Elevators for Passengers and Freight; Lumber Lifts; Hydraulic Loading Platforms; Hydraulic Pumps for Lifts and Elevators; and Parts Thereof.
Claims use since Oct. 26, 1925.

Ser. No. 583,885. Ralph C. Parkes, doing business as The National Drying Machinery Co., Philadelphia, Pa. Filed Aug. 23, 1949.



Applicant claims ownership of Registration No. 268,833.
For Drying, Dyeing, Bleaching and Carbonizing Machines, and Parts Thereof; Conveyors; Squeeze Rolls; Wetting Rolls; Synthetic Material Curing and Setting Machines, and Parts Thereof, and Mixing and Extruding Machines.
Claims use since Sept. 6, 1928.

Ser. No. 584,240. Karl G. Klenk, doing business as Karl Klenk, Wilmington, Del. Filed Aug. 30, 1949.

NEW TWIST

For Angularly Adjustable and Extensible Plier.
Claims use since June 1, 1949.

Ser. No. 588,370. Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Filed Nov. 26, 1948.

CARMOLITE

For Sintered Carbide Lathe Tools for Turning, Boring, Reaming, Facing, Drilling, Chamfering, Cutting Off; Sintered Carbide Milling Cutter Blades, End Mills, Solid Cutters; and Sintered Carbide Tools for Planers and Shapers.
Claims use since Nov. 4, 1949.

Ser. No. 591,412. Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Filed Jan. 25, 1950.

DIMOLOY

For Sintered Carbide Lathe Tools for Turning, Boring, Reaming, Facing, Drilling, Chamfering, Cutting Off; Sintered Carbide Milling Cutter Blades, End Mills, Solid Cutters; and Sintered Carbide Tools for Planers and Shapers.
Claims use since Dec. 16, 1949.

Ser. No. 603,509. Edmund B. White, doing business as Up-N-Off Mfg. Co., Quincy, Mass. Filed Sept. 13, 1950.

CAP-S-A-V-A

The word "Cap" is disclaimed.
For Hand Opener for Removing Caps from Jars, Bottles, and Cans.
Claims use since Dec. 15, 1949.

Ser. No. 604,692. Fiat Società per Azioni, Turin, Italy. Filed Oct. 10, 1950.

FIAT

Applicant claims ownership of Italian Registration No. 52,003, dated Oct. 14, 1935.
For Internal Combustion Engines, Agricultural Tractors, Planting Machines, Threshing Machines, Excavating Machines, and Agricultural Tools and Implements—Namely, Harrows, Reapers, Mowers, Plows, and Combines.

Ser. No. 605,707. Automatic Products Co., Minneapolis, Minn. Filed Nov. 1, 1950.



For Automatic Drink-Vending Machines.
Claims use since Apr. 23, 1949.

Ser. No. 607,927. Bridgeport Brass Company, Bridgeport, Conn. Filed Dec. 21, 1950.



The term "Bug" is disclaimed. Applicant claims ownership of Registration No. 500,023.
For Sprayers for Producing Insecticidal Aerosol.
Claims use since Nov. 1, 1950.

Ser. No. 609,691. National Foam System, Inc., West Chester, Pa. Filed Feb. 6, 1951.

Aer-o-Foamster

The term "Aer-O" is disclaimed. Applicant claims ownership of Registrations Nos. 396,949 and 399,808.
For Apparatus for Producing Fire-Extinguishing Foam.
Claims use since Jan. 19, 1951.

Ser. No. 609,788. Crosley Motors, Inc., Cincinnati, Ohio. Filed Feb. 8, 1951.

QUICKSILVER

For Internal Combustion Engines.
Claims use since Nov. 7, 1950.

Ser. No. 610,977. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Mar. 7, 1951.

JACKHAMER

Applicant claims ownership of Registration No. 95,627.
For Automatically-Rotating Fluid-Operated Hammer Drills.
Claims use since September 1911.

Ser. No. 611,069. Barnes Manufacturing Co., Mansfield, Ohio. Filed Mar. 9, 1951. (Sec. 2f as to "Barnes.")



Applicant claims ownership of Registrations Nos. 95,732, 506,586, and others.
For Centrifugal Pumps for Handling Water, Oil, or Liquid Fuels, Self-Priming Centrifugal Pumps, Diaphragm Pumps, Domestic Water Handling Units—Namely, Deep and Shallow Well Jet-Centrifugal Pump Combination Units, Deep and Shallow Well Piston Pumps, Automatic Sump Pumps for Cellar Drainage, and Foot Valves and Strainers for Well Pump Water Intakes.
Claims use since 1896 as to the mark "Barnes"; and since Mar. 5, 1947, as to the mark shown.

Ser. No. 611,090. Gulf Oil Corporation, Pittsburgh, Pa. Filed Mar. 9, 1951.



The drawing is lined for orange and blue.
For Sprayers for Insecticides and Other Liquids Discharged in Atomized Condition.
Claims use since Oct. 8, 1936.

Ser. No. 611,701. Imperial International Corp., New York, N. Y. Filed Mar. 23, 1951.

"SIR WALTER"

For Stainless Steel Flatware.
Claims use since Feb. 1, 1951.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 505,022. The Wayne Pump Company, Fort Wayne, Ind. Original filed, act of 1905, July 21, 1946; amended to application under act of 1946, Principal Register, Jan. 7, 1947. (Sec. 2f as to "Wayne.")



The expressions "Honest Measure" and "For Your Protection" are disclaimed.
For Self-Measuring Fuel Pumps—Namely, Those for Service Station Use.
Claims use since 1891 as to "Wayne"; and since Sept. 14, 1945, as to the mark shown.

Ser. No. 571,456. Penn Industrial Instrument Corporation, Philadelphia, Pa. Filed Dec. 31, 1948.



The word "Philadelphia" is disclaimed.
For Liquid, Steam, and Gas Flow Controllers for Measuring the Volume of the Flow of Liquid, Steam, and Gas, Graphing the Flow on a Chart; Liquid, Steam, and Gas Flow Meters; and Temperature Recorders, Temperature Recorder-Controllers, Pressure Recorders, Pressure Recorder-Controllers, Each of Which is a Combination Gauge and Writing Instrument.
Claims use since Oct. 20, 1948.

Ser. No. 575,816. Autobar Corporation, New York, N. Y. Filed Mar. 18, 1949.

Auto BAR

The word "Auto" is disclaimed.
For Measuring Liquid Dispensers Adapted To Deliver at each Actuation, a Measured Quantity of Any Liquid Such as Milk, Syrup, Liquor, or Medicine.
Claims use since Feb. 4, 1949.

Ser. No. 580,290. Willis Robert Dresser, doing business as The Audio-Tone Oscillator Company, Bridgeport, Conn. Filed June 11, 1949. (Sec. 2f.)

AUDA

The words "Audio Tone" are disclaimed.
For Sound Pressure Recording Instruments, Audio Frequency Curve Tracing Instruments, Power Line Trouble Location and Transmission Characteristic Measuring Instruments, Audio-Frequency Oscillators, Rectangular Wave Generators, Audio-Frequency Amplifiers for Testing Purposes, and Telemetering Apparatus.
Claims use since April 1934.

Ser. No. 586,647. National Store Specialty Co., Bareville, Pa. Filed Oct. 21, 1949. (Sec. 2f.)

Pennsylvania

For Gasoline and Oil Storage Measuring Pumps, Measuring Grease Pumps, and Weighing Scales.
Claims use since 1913.

Ser. No. 588,740. Cleveland Impact Recorder, Inc., Cleveland, Ohio. Filed Dec. 3, 1949.

IMPACT-O-GRAPH

The words "Impact-O-Graph" are disclaimed.
For Instruments for Recording the Force of an Impact Applied to the Instrument or Its Mounting.
Claims use since Oct. 8, 1949.

Ser. No. 608,145. Builders Iron Foundry, Providence, R. I. Filed Dec. 28, 1950.

Conveyoflo

For Apparatus for Continuously and Automatically Totalizing the Weight of Material as It Passes Over a Conveyor.
Claims use since June 3, 1948.

Ser. No. 609,800. Injecta A. G., Teufenthal, Canton of Aargau, Switzerland. Filed Feb. 8, 1951.

INCA

Applicant claims ownership of Swiss Registration No. 49,333, dated Apr. 8, 1921.
For Household Scales.
Claims use since Aug. 1, 1921, in Switzerland; and since 1937 in commerce between Switzerland and the United States.

Ser. No. 611,541. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")

ROCKWELL r

Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.
For Saw Gages—Namely, Rip Gages and Miter Gages; Pressure Correcting Gas Meters; Fluid Meters—Namely, Meters for the Measurement of the Flow of Water, Oils, and Greases; Cast Iron, Tin and Steel Gas Meters and Strainers; Large Capacity Positive Gas Meters; Orifice Meters; Demand Meters; Domestic and Curb Box Meters; Combined Record Gauges; Well Testing and Pressure Gauges; Meter Provers and Test Meters; Meter Recorders; Cash Registers; Fare Registers; Taximeters; Flow Provers—Namely, Apparatus for Testing and Calibrating Gas Meters at Their Proper Rates of Flow; Indicating Flow Meters; Integrators for Calibrating Orifice Meter Charts; and Component Parts Thereof.
Claims use since Dec. 13, 1945.

Ser. No. 612,827. Milton Roy Company, Philadelphia, Pa. Filed Apr. 18, 1951.

"TITRONIC"

For Controlled Volume Measuring Pump for Continuous Automatic Concentration Control.
Claims use since October 1949.

Ser. No. 613,697. Aldens, Inc., Chicago, Ill. Filed May 10, 1951.

ALDENCRAFT

For Rafter Framing Squares, Try Squares, and All Squares; Wood, Metal, and Composition, Folding and Non-Folding Rules; Marking Gauges; Metal and Fabric Measuring Tapes; Carpenters' and Mechanics' Levels and Plumbs; and a Combination Inside and Outside Try Square, Depth Gauge, Ruler, Level, and Plumb.
Claims use since July 1, 1950.

Ser. No. 617,172. Willson Products, Inc., Reading, Pa. Filed July 31, 1951.

PLAS-TOUGH

The word "Tough" is disclaimed.
For Ophthalmic and Protection Lenses.
Claims use since June 29, 1951.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 611,890. Carter Carburetor Corporation, St. Louis, Mo. Filed Mar. 28, 1951.

For Liquid Fuel Filters and Parts Thereof.
Claims use since July 1935.

Ser. No. 614,682. Affiliated Retailers, Inc., New York, N. Y. Filed June 4, 1951.

Armold

For Refrigerators.
Claims use since Feb. 23, 1950.

Ser. No. 615,190. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Filed June 14, 1951. (Sec. 2f.)

PLYMOUTH

Applicant claims ownership of Registrations Nos. 385,432, 391,019, and 540,070.
For Refrigerators.
Claims use since July 23, 1936.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 574,415. Darol Company, also known in the trade as Darol Co., Dayton, Ohio. Filed Feb. 24, 1949.

Sunvent

For Venetian Blinds.
Claims use since May 1, 1936.

Ser. No. 589,043. Sachs Quality Stores, Inc., New York, N. Y. Filed Dec. 8, 1949.

Quality Hall Furniture

The stippling indicates a contrasting color but no claim is made to color. The words "Quality" and "Furniture" are disclaimed. Applicant claims ownership of Registrations Nos. 284,338, 433,281, and 433,350.
For Bedroom Furniture Comprising Beds, Dressers, Cribs, Wardrobes, Bedroom Chairs, Bureaus, Bedroom Mirrors, Vanities, Bedroom Benches; Living-Room Furniture Comprising Living-Room Suites, Studio Couches, Hide-Away-Beds, Chair Beds, Davenports, Sofas, Loveseats, Chests, Living-Room Chairs, Living-Room Tables, Magazine Racks, Benches; Dining-Room Furniture Comprising Tables, Chairs, China Closets, Cabinets, Servers, and Tea Wagons, Sideboards, Buffets; Bathroom Furniture Comprising Cabinets, Stools, Benches; and Kitchen Furniture Comprising Tables, Chairs, and Cabinets; Bookcases, Breakfast Furniture Sets, Cabinets for Radio and Television Receiving Sets and Phonograph Apparatus; Office Furniture, Comprising Desks, Filing Cabinets, Letter Files, Bookcases, Tables, Chairs, Picture Frames, and Mirrors.
Claims use since Jan. 15, 1930.

Ser. No. 591,043. National Metal Edge Box Company, Philadelphia, Pa. Filed Jan. 18, 1950.

FIBREDEX

For Document, Pamphlet, and Sheet Music File Boxes.
Claims use since July 1, 1949.

Ser. No. 594,531. Elkhart Brass Manufacturing Company, Inc., Elkhart, Ind. Filed Mar. 24, 1950.

Applicant claims ownership of Registration No. 122,869.
For Fire Hose Cabinets.
Claims use since Jan. 10, 1946.

Ser. No. 598,587. Kiddie Kabinette, Inc., New York, N. Y. Filed June 5, 1950.

Kiddie Kabinette

The word "Kabinette" is disclaimed.
For Medicine Wall Chests.
Claims use since Jan. 5, 1948.

Ser. No. 600,459. Mrs. Mabel E. Webster, Minneapolis, Minn. Filed July 10, 1950.

"Winette"

For Pull or Handle for Manipulating Window Shades.
Claims use since June 26, 1950.

Ser. No. 609,244. Kay Manufacturing Corporation, Brooklyn, N. Y. Filed Jan. 25, 1951.

Dream Lounge

The word "Lounge" is disclaimed.
For Sofa-Beds.
Claims use since Dec. 1, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 571,315. Barry-Wehmiller Machinery Company, St. Louis, Mo. Filed Dec. 30, 1948. (Sec. 2f.)

VORTEX

For Machines and Machinery for Heating and Cooling Beverages and Suitable Products in Traveling Containers—Namely, Machines for Pre-Heating, Pasteurizing

and Then Cooling the Traveling Containers and Contents by Heated and Cooled Fluid Sprays; Machines for Maintaining Traveling Containers and Contents at Selected High Temperatures Then Followed by Cooling by the Action of Heated and Cooled Fluid Sprays; and Machines for Subjecting Traveling Containers and Contents to a Heating Operation Only by the Action of a Heated Spray.
Claims use since July 3, 1939.

Ser. No. 579,911. Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden. Filed June 3, 1949.

PARACLONE

Applicant claims ownership of Swedish Registration No. 63,708, dated Jan. 7, 1949.
For Gas and Air Conditioning Apparatus Comprising Fans and Means for Controlling Temperature, and/or Humidity and/or Purity of the Circulated Gas.

Ser. No. 602,841. Home Comfort Mfg. Co., East Peoria, Ill. Filed Aug. 28, 1950.



The mark consists of an arbitrary mono-color silhouette design constituting an elongated base rectangle from which three angular geometric figures composed of a rectangular base and a surmounted triangle project upwardly.
For Louver Type Ventilators.
Claims use since May 31, 1950.

Ser. No. 606,297. Holophane Company, Inc., New York, N. Y. Filed Nov. 13, 1950.

LUMENEERING

For Illumination Equipment—Namely, Glass Lamp Panels, Screens, Globes, Reflectors, and Refractors.
Claims use since Nov. 2, 1950.

Ser. No. 607,074. Erie City Iron Works, Erie, Pa. Filed Nov. 29, 1950.

KEYSTONE

For Steam Generators.
Claims use since 1871.

Ser. No. 612,278. Stewart-Warner Corporation, Chicago, Ill. Filed Apr. 5, 1951. (Sec. 2f.)

SAF-AIRE

For Gas or Liquid-Fired Space Heating Equipment—Namely, Domestic Space Heaters Having a Closed Finned Combustion Chamber in Which a Combustible Fuel-Air Mixture Is Burned.
Claims use since Feb. 18, 1946.

Ser. No. 615,308. Thomas P. Duncan, Jr., doing business as Silhouette, Newport News, Va. Filed June 18, 1951.

SILHOUETTE

For Candelabra.
Claims use since Aug. 2, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 595,695. Aeroquip Corporation, Jackson, Mich. Filed Apr. 14, 1950.



Applicant claims ownership of Registration No. 402,388.
For Hose for High, Low, and Medium Pressure Fluid Including Water, Steam, Air, Gasoline, Oil, Fuel, Beverages, Refrigerants, and Coolants.
Claims use since Sept. 21, 1940.

Ser. No. 598,581. The Firestone Tire & Rubber Company, Akron, Ohio. Filed June 5, 1950.

DURAFLEX

For Rayon Tire Patches.
Claims use since Dec. 16, 1949.

CLASS 37

PAPER AND STATIONERY

Ser. No. 603,234. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Sept. 7, 1950.

MARVEL

Applicant claims ownership of Registration No. 73,834.
For Wrapping Paper and Butchers' Paper.
Claims use since October 1929.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 556,244. John Francis Briskey, Birmingham, Ala. Filed May 5, 1948.



For Printed Trade Cards, Trading Stamps, and Books of Trading Stamps.
Claims use since Jan. 2, 1944.

Ser. No. 583,900. The Dolly Toy Company, Tipp City, Ohio. Filed July 22, 1949. (Sec. 2f.)

Mother Goose
PIN-UPS

For Wall Pictures.
Claims use since Aug. 30, 1948.

Ser. No. 601,553. Norcross, Inc., New York, N. Y. Filed Aug. 1, 1950.

Flower Festival

The term "Flower" is disclaimed. Applicant claims ownership of Registration No. 509,944.
For Greeting Cards.
Claims use since June 23, 1950.

Ser. No. 603,381. Rockford Screw Products Co., Rockford, Ill. Filed Sept. 9, 1950.

Hobby-noming

For Illustrated Leaflets Published Periodically.
Claims use since Aug. 21, 1950.

Ser. No. 603,487. McCall Corporation, New York, N. Y. Filed Sept. 13, 1950.

TOPS IN THE SHOPS

The word "Shops" is disclaimed. Applicant claims ownership of Registration No. 226,481.
For Department, Section, or Feature in a Magazine.
Claims use since July 25, 1950.

Ser. No. 604,876. Waldoroth Label Corporation, Boston, Mass. Filed Oct. 13, 1950.

LABELGLO

For Printed Woven Labels.
Claims use since May 18, 1950.

Ser. No. 605,285. Compressed Air Magazine Company, Phillipsburg, N. J. Filed Oct. 13, 1950. (Sec. 2f.)

Compressed Air Magazine

The word "Magazine" is disclaimed.
For Magazine.
Claims use since March 1896.

Ser. No. 608,025. Travel Trade Publishing Corp., New York, N. Y. Filed Dec. 22, 1950. (Sec. 2f.)

TRAVEL TRADE

For Periodical Published Monthly.
Claims use since Feb. 1, 1933.

Ser. No. 608,253. Johnson Publishing Company, Inc., Chicago, Ill. Filed Dec. 30, 1950.

TAN
Confessions

The word "Confessions" is disclaimed.
For Periodical Publications.
Claims use since Oct. 12, 1950.

Ser. No. 610,737. California Vegetable Concentrates, Inc., Huntington Park, Calif. Filed Mar. 2, 1951.

Dehy-lites

For Periodical Which Is Published Monthly.
Claims use since Jan. 1, 1951.

Ser. No. 610,811. The Washington Post Company, Washington, D. C. Filed Mar. 3, 1951.

Ask Anne

For Column in a Newspaper.
Claims use since May 30, 1946.

Ser. No. 611,201. Terrytoons, Inc., New Rochelle, N. Y. Filed Mar. 12, 1951.

LITTLE ROQUEFORT

For Comic Strips in Comic Magazines.
Claims use since May 1950.

Ser. No. 611,262. Dennison Manufacturing Company, Framingham, Mass. Filed Mar. 14, 1951. (Sec. 2f.)

Teen-Topics

Applicant claims ownership of Registration No. 509,150.
For Publication Published From Time to Time To Promote the Sale of Dennison Manufacturing Company's Products.
Claims use since January 1946.

Ser. No. 611,296. Norcross, Inc., New York, N. Y. Filed Mar. 14, 1951.

A HOLIDAY ENSEMBLE

For Greeting Cards, Printed Greeting Folders, Printed Seals, and Printed Decorative Tags.
Claims use since Feb. 14, 1951.

Ser. No. 611,516. Fox-Shulman, Inc., Philadelphia, Pa. Filed Mar. 19, 1951.

MODERN LIVING

For Magazines.
Claims use since Apr. 24, 1950.

Ser. No. 611,653. National Detroit Publishers Incorporated, Detroit, Mich. Filed Mar. 22, 1951.

Artcraft Guild

For Greeting Cards.
Claims use since Feb. 23, 1951.

CLASS 39

CLOTHING

Ser. No. 545,656. The Star Union Company, New York, N. Y. Filed Dec. 29, 1947. (Sec. 2f.)

Wilker

For Pajamas for Men, Women, Boys, and Girls.
Claims use since Jan. 1, 1935.

Ser. No. 560,731. Taylor's of California, Los Angeles, Calif. Filed July 3, 1948.

DesertSuedes

The word "Suedes" is disclaimed.
For Garments for Men and Women—Namely, Jackets, Coats, Dresses, Boleros, Skirts, Suits, Stoles, and Berets.
Claims use since Sept. 30, 1938.

Ser. No. 561,616. Darlynn Knitwear Corporation, New York, N. Y. Filed July 17, 1948.

Darlynn

For Polo Shirts, Creepers, Cardigans, Play Suits, and Pajamas of Knitted Fabric for Men, Women, Children, and Infants.
Claims use since Oct. 15, 1947.

Ser. No. 586,373. Union Trading Company Ltd., Basel, Switzerland. Filed Oct. 15, 1949.

UTC

Applicant claims ownership of Swiss Registration No. 125,494, dated May 13, 1948.
For Men's, Women's, Children's and Infants' Wearing Apparel—Namely, Hosiery, Underwear Consisting of Shirts, Shorts, Drawers, and Union Suits; Panties, Slips, Knickers, Trunks, Petticoats, Bodices, Corsets, Brassières, Pajamas, Nightdresses, Sleeping Suits, Dressing Gowns and Jackets, Bed Jackets, House Coats, Coats; Suits, Dresses, Blouses, Jackets, Capes, Waistcoats, Trousers, Men's Pants, Slacks, Outer Shorts, Outer Skirts, Frocks, Spencers, Mantles, Raincoats, Raincapes, Overcoats, Shawls, Sweaters, Socks, Stockings, Rompers, Sport Shirts and Sport Blouses, Football Jerseys, Gym Shirts, Bathing Suits and Trunks; Gloves and Mittens of Leather and Fabric, Belts, Scarves, Aprons, Overalls, Lumber Coats, Boys' Jerseys, Jersey Suits, Infants' Pram Suits, Matinee Coats, Play Suits; Hats, Caps, and Bonnets; Handkerchiefs, Neckties; Boots, Shoes, Slippers, Leggings, and Gaiters.
Claims use since Feb. 18, 1922; and first used in commerce between Switzerland and the United States on Feb. 18, 1922.

Ser. No. 586,380. Union Trading Company Ltd., Basel, Switzerland. Filed Oct. 15, 1949.



Applicant claims ownership of Swiss Registration No. 126,524, dated May 13, 1948.
For Men's, Women's, Children's and Infants' Wearing Apparel—Namely, Hosiery, Underwear Consisting of Shirts, Shorts, Drawers, and Union Suits; Panties, Slips, Knickers, Trunks, Petticoats, Bodices, Corsets, Brassières, Pajamas, Nightdresses, Sleeping Suits, Dressing Gowns and Jackets, Bed Jackets, House Coats, Coats; Suits, Dresses, Blouses, Jackets, Capes, Waistcoats, Trousers, Men's Pants, Slacks, Outer Shorts, Outer Skirts, Frocks, Spencers, Mantles, Raincoats, Raincapes, Overcoats, Shawls, Sweaters, Socks, Stockings, Rompers, Sport Shirts and Sport Blouses, Football Jerseys, Gym Shirts, Bathing Suits and Trunks; Gloves and Mittens of Leather and Fabric, Belts, Scarves, Aprons, Overalls, Lumber Coats, Boys' Jerseys, Jersey Suits, Infants' Pram Suits, Matinee Coats, Play Suits; Hats, Caps, and Bonnets; Handkerchiefs, Neckties; Boots, Shoes, Slippers, Leggings, and Gaiters.
Claims use since Oct. 25, 1939; and first used in commerce between Switzerland and the United States on Oct. 25, 1939.

Ser. No. 589,661. Lambert Hosiery Mills, Inc., Lambertville, N. J. Filed Dec. 20, 1949.

TWIN POINTERS

For Ladies' Hosiery.
Claims use since October 1948.

Ser. No. 595,651. Bourne & Hollingsworth Limited, London, England. Filed Apr. 13, 1950.

B & H

Applicant claims ownership of British Registration No. 494,157, dated Aug. 16, 1928.
For Articles of Clothing for Men, Women, and Children—Namely, Gloves, Hats, Head Squares, Jackets, Neckties, Overalls, Overcoats, Pants, Pyjamas, Scarves, Outer and Under Shirts, Shoes and Socks for Men, Slippers, Stockings, Sweaters, Vests, Waistcoats, Trousers, Aprons, Bathing Gowns, Beach Capes, Berets, Blazers, Blouses, Bonnets, Brassières, Capes, Caps, Chemises, Cloaks, Coats, Collars, Corsets, Costumes, Cuffs, Drawers, Dresses, Dressing Gowns, Frocks, and Pinafores.

Ser. No. 595,652. Bourne & Hollingsworth Limited, London, England. Filed Apr. 13, 1950.

Bourneworth

Applicant claims ownership of British Registration No. 318,164, dated Nov. 12, 1909.
For Articles of Clothing for Men, Women, and Children—Namely, Gloves, Hats, Head Squares, Jackets, Neckties, Overalls, Overcoats, Pants, Pyjamas, Scarves, Outer and Under Shirts, Shoes, Slippers, Socks, Stockings, Sweaters, Vests, Waistcoats, Trousers, Aprons, Bathing Gowns, Beach Capes, Berets, Blazers, Blouses, Bonnets, Brassières, Capes, Caps, Chemises, Cloaks, Coats, Collars, Corsets, Costumes, Cuffs, Drawers, Dresses, Dressing Gowns, Frocks, and Pinafores.

Ser. No. 599,447. Walter J. Munro, New York, N. Y. Filed June 20, 1950.

"DRAFT DODGER"

For Baby's Sleeping Garments.
Claims use since May 8, 1950.

Ser. No. 601,079. Spear & Picardi, New York, N. Y. Filed July 21, 1950.



For Women's and Misses' Fur Coats.
Claims use since June 22, 1950.

Ser. No. 604,791. Walter W. Moyer Company, Ephrata, Pa. Filed Oct. 12, 1950.

A-TOM

For Men's, Women's, and Children's Underwear.
Claims use since Sept. 8, 1950.

Ser. No. 604,795. Walter W. Moyer Company, Ephrata, Pa. Filed Oct. 12, 1950.

R-VET

For Men's, Women's, and Children's Underwear.
Claims use since Sept. 8, 1950.

Ser. No. 605,535. Henry I. Siegel Co. Inc., New York, N. Y. Filed Oct. 26, 1950.

Palaka

For Men's and Boys' Outer Shirts.
Claims use since June 1950.

Ser. No. 605,988. Brooks Brothers, New York, N. Y. Filed Nov. 7, 1950. (Sec. 2f.)

STANLEY

Applicant claims ownership of Registration No. 286,205.
For Collars.
Claims use since Nov. 21, 1912.

Ser. No. 608,019. Harry Rothman, Inc., New York, N. Y. Filed Dec. 22, 1950.

Gentlemanly Drape

The word "Drape" is disclaimed.
For Men's Suits, Top Coats, Sport Coats, Overcoats, Jackets, Sport Jackets, Slacks, Trousers, and Outer Shirts.
Claims use since Nov. 3, 1949.

Ser. No. 608,098. Burt Burton, Beverly Hills, Calif. Filed Dec. 27, 1950.

YOBI

For Sashes, Necktles, and Bandeaux.
Claims use since Aug. 24, 1950.

Ser. No. 608,601. Frances A. Fuller, Clayton, Mo. Filed Jan. 10, 1951.

Earcozy

The word "Fuller" is disclaimed.
For Ear Muffs.
Claims use since Dec. 22, 1950.

Ser. No. 608,671. Piedmont Shirt Company, Greenville, S. C. Filed Jan. 11, 1951.

BABY CHEEK

For Men's and Boys' Outer Shirts, Collars, and Cuffs.
Claims use since July 1950.

Ser. No. 608,673. Piedmont Shirt Company, Greenville, S. C. Filed Jan. 11, 1951.

Strato-Clipper

For Men's and Boys' Outer Shirts, Collars, and Cuffs.
Claims use since July 1950.

Ser. No. 608,674. Piedmont Shirt Company, Greenville, S. C. Filed Jan. 11, 1951.

WINGS
Rocket

Applicant claims ownership of Registration No. 395,806.
For Men's and Boys' Outer Shirts, Collars, and Cuffs.
Claims use since July 1950 as to the mark shown; and since March 1938 as to the mark "Wings."

Ser. No. 609,603. Publix Shirt Corporation, New York, N. Y. Filed Feb. 3, 1951.

Royal TOWN TOPIC

Applicant claims ownership of Registrations Nos. 235,085 and 129,367.
For Sport Shirts for Men and Young Men.
Claims use since May 15, 1950.

Ser. No. 609,705. Tidy Products Company, New York, N. Y. Filed Feb. 6, 1951. (Sec. 2f.)

quik-a-part

Applicant claims ownership of Registration No. 386,185.
For Infants' or Children's Over Garments—Namely, Snow Suits.
Claims use since Dec. 20, 1939.

Ser. No. 610,101. The H. A. Seinsheimer Company, Cincinnati, Ohio. Filed Feb. 14, 1951.

Big Sweep

For Men's and Boys' Suits, Overcoats, Topcoats, Trousers, and Slacks.
Claims use since October 1949.

Ser. No. 610,652. M. Wile & Company, Inc., Buffalo, N. Y. Filed Feb. 28, 1951.

Trent Towers

For Men's Outer Garments—Namely, Suits of All Kinds, Overcoats, Waistcoats, Trousers, Sport Coats, and Slacks.
Claims use since Aug. 15, 1949, as to the mark shown; and since Jan. 17, 1927, as to the words "Trent Towers" with a different design.

Ser. No. 610,754. Herbert Miller, Inc., New York, N. Y. Filed Mar. 2, 1951.



The name "Miller" is disclaimed. The picture of the girl is fanciful.
For Misses' Dresses, Coats, Suits, Slacks, and Undergarments—Namely, Slips, Panties, and Nightgowns.
Claims use since Nov. 27, 1950.

Ser. No. 610,938. S. Weitz & Co., Inc., Cleveland, Ohio. Filed Mar. 6, 1951.

Heathroe

For Women's, Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats.
Claims use since Aug. 8, 1950.

Ser. No. 610,939. S. Weitz & Co., Inc., Cleveland, Ohio. Filed Mar. 6, 1951. (Sec. 2f.)

Keighley

For Women's, Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats.
Claims use since Dec. 18, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 585,086. Syndicate Sales Company, Kokomo, Ind. Filed Sept. 20, 1949.

AQUAPIN

For Lapel Vases, Currently Made of Traiucent Molded Plastic, Either in Natural Color or Suitably Dyed.
Claims use since Nov. 15, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 593,174. Alfred L. Helwith, New York, N. Y. Filed Feb. 28, 1950.

RIPPLESHEEN

Applicant claims ownership of Registration No. 293,464.
For Textile Fabrics Made of Wool, Cotton, Linen, Synthetic Fibers Including Rayon and Nylon, and Combinations Thereof.
Claims use since Sept. 16, 1931.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 576,628. Chicago Eye Shield Company, Chicago, Ill. Filed Apr. 5, 1949.

CESCO

Applicant claims ownership of Registrations Nos. 518,642 and 527,338.
For Protective Equipment for Protecting the Heads, Faces, and Respiratory Organs of Workmen in Industry Consisting of, Paint Spray and Sandblast Masks, Respirators and Gas Masks and Hoods.
Claims use since April 1903.

Ser. No. 611,056. The L. D. Caulk Company, Milford, Del. Filed Feb. 15, 1951. (Sec. 2f.)

rim-lock

For Dental Impression Trays for Use by Dentists in Supporting Dental Impression Materials.
Claims use since Mar. 12, 1945.

CLASS 46

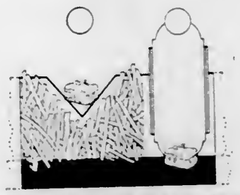
FOODS AND INGREDIENTS OF FOODS

Ser. No. 520,698. The Griffith Laboratories, Inc., Chicago, Ill. Original filed, act of 1905, Apr. 15, 1947; amended to application under act of 1946, Principal Register, Jan. 9, 1951.

ANTI-OXIDANT G-4

The word "Anti-Oxidant" is disclaimed.
For Edible Oil Carrying a Minor Proportion of a Synergistic Anti-Oxidant Composition for Edible Fats and Oils Consisting of a Natural and a Synthetic Anti-Oxidant Agent.
Claims use since on or about Dec. 27, 1945.

Ser. No. 555,626. Albert J. Poole, doing business as Pik-Nik Food Products Co., San Jose, Calif. Filed Apr. 26, 1948.



The representation of the potatoes is disclaimed. Applicant claims ownership of Registration No. 409,454.
For Shoe String Potatoes.
Claims use since April 1939.

Ser. No. 556,320. The Colorado Milling & Elevator Co., Denver Colo., doing business as The Model Flour Mills Company, Greeley, Colo. Filed May 6, 1948.



The drawing is lined for the color blue.
For Wheat Flour.
Claims use since Aug. 1, 1900.

Ser. No. 559,596. Garden Grove Citrus Association, Garden Grove, Calif. Filed June 18, 1948. (Sec. 2f.)

OUR SELECTION

For Fresh Citrus Fruits.
Claims use since 1924.

Ser. No. 563,844. R. E. Cotter Company, San Francisco, Calif. Filed Aug. 23, 1948.

Sunnyhills

For Canned Fruits and Canned Vegetables.
Claims use since Apr. 1, 1938

Ser. No. 564,359. Tama Trading Company, Inc., Los Angeles, Calif. Filed Aug. 28, 1948. (Sec. 2f.)

TAMA

For Edible Oils—Namely, Olive Oil; Tomato Paste and Canned Tuna.
Claims use since Jan. 2, 1925.

Ser. No. 566,068. Circle Candy Corp., New York, N. Y. Filed Sept. 29, 1948.

FIESTA

For Candies.
Claims use since Aug. 16, 1948.

Ser. No. 578,028. Kerr Gifford & Co., Inc., Portland, Oreg. Filed Apr. 30, 1949. (Sec. 2f.)



The words "Flour & Cereal Products" are disclaimed.
Applicant claims ownership of Registration No. 217,666.
For Wheat Flour and Poultry and Stock Feeds Composed Principally of Grains.
Claims use since Jan. 1, 1920.

Ser. No. 582,246. Morris Siegel, Wilkes-Barre, Pa. Filed July 20, 1949.

LA JOY

For Canned Vegetables and Coffee.
Claims use since May 2, 1949.

Ser. No. 583,794. Filice & Perrelli Canning Company, Incorporated, Richmond, Calif. Filed Aug. 22, 1949.

DIETGift

The word "Diet" is disclaimed. Applicant claims ownership of Registrations Nos. 321,820, 321,821, and others.
For Canned Fruits, Canned Deciduous Fruit Juices, Canned Fruit Cocktail, Canned Vegetables, and Canned Vegetable Juices.
Claims use since July 22, 1949.

Ser. No. 588,809. The Quaker Oats Company, Chicago, Ill. Filed Dec. 5, 1949. (Sec. 2f.)

SUPER GREENS

The word "Greens" is disclaimed.
For Poultry Feed.
Claims use since July 1940.

Ser. No. 592,589. Erna Zink, doing business as Crown's Cookies, Cakes and Candies, Demarest, N. J. Filed Feb. 16, 1950.

Nata

For Cookies.
Claims use since Nov. 11, 1949.

Ser. No. 592,888. Ever Tempting Food Products Corp., New York, N. Y. Filed Feb. 23, 1950.

EVER-TEMTING

For Fried Shrimp.
Claims use since July 15, 1948.

Ser. No. 593,535. The Garden Gate Corporation, Seattle, Wash. Filed Mar. 7, 1950.



For Frozen Products—To Wit, Asparagus Spears, Lima Beans, Broccoli, Brussels Sprouts, Cauliflower, Cut Corn, Green Beans, Mixed Vegetables, Peas, Peaches, Spinach, Strawberries, Succotash, Grape Juice, Raspberries, Kale, and Orange Juice.
Claims use since Oct. 12, 1949.

Ser. No. 594,252. Commander-Larabee Milling Company, Minneapolis, Minn., now by merger Archer-Daniels-Midland Company, a corporation of Delaware. Filed Mar. 20, 1950.



The name "Larabee" and the words "Milling Company" are disclaimed. Applicant claims ownership of Registrations Nos. 206,433, 213,624, 258,281, and 258,282.
For Wheat Flour.
Claims use since 1913.

Ser. No. 596,203. Sophie Mae Candy Corp., Irvington, N. J. Filed Apr. 22, 1950.

Sophie Mae

For Peanut Brittle and Toasted Sugared Peanuts.
Claims use since Jan. 18, 1919.

Ser. No. 597,431. Paul Bunyan Foods, Inc., Seattle, Wash., Minneapolis, Minn., and Omaha, Nebr. Filed May 15, 1950.

BLUE OX



Applicant claims ownership of Registration No. 354,096.
For Potatoes in Their Natural State.
Claims use since Apr. 5, 1950.

Ser. No. 599,051. Pacific Farm Company, San Jose, Calif. Filed May 19, 1950.



For Fresh Vegetables and Fresh Deciduous Fruits.
Claims use since Aug. 1, 1943.

Ser. No. 599,535. Schroeder Bros., Inc., New York, N. Y. Filed June 21, 1950.

CELEBRATION

For Canned Lobster and Bonito.
Claims use since Aug. 2, 1949.

Ser. No. 600,242. A. A. Sayia & Co., New York, N. Y. Filed May 12, 1950.

ROYAL

Applicant claims ownership of Registration No. 239,680.
For Paprika.
Claims use since 1920.

Ser. No. 600,341. Kellogg Company, Battle Creek, Mich. Filed July 7, 1950.

Calfetts

The word "Calf" is disclaimed.
For Animal and Poultry Feeds—Namely, Feed for Cattle, Horses, Sheep, Hogs, Chickens, Ducks, Turkeys, Rabbits, Dogs, and Fur Bearing Animals.
Claims use since Mar. 14, 1950.

Ser. No. 601,466. Red Lodge Canning Company, Red Lodge, Mont. Filed July 29, 1950. (Sec. 2f.)

RED LODGE

The drawing is lined for red.
For Canned Fruits and Canned Vegetables.
Claims use since May 1, 1926.

Ser. No. 602,003. J. R. Simplot Company, Caldwell, Idaho. Filed Aug. 9, 1950.

CAL-IDA

For Canned Fruits and Vegetables.
Claims use since Sept. 1, 1949.

Ser. No. 608,983. Connell Bros. Company Limited, San Francisco, Calif. Filed Jan. 19, 1951.

LA REINA
DEL PACIFICO

The English translation of "La Reina Del Pacifico" is "The Queen of the Pacific." Applicant claims ownership of Registration No. 339,553.
For Fresh Onions and Canned Fruit Nectars and Canned Fish.
Claims use since Mar. 6, 1936.

Ser. No. 612,049. Wilbur-Ellis Company, San Francisco, Calif. Filed Mar. 30, 1951.

Southern Star

Applicant claims ownership of Registration No. 539,016.
For Frozen Fresh Shrimp and Canned Fish.
Claims use since Jan. 25, 1949.

Ser. No. 612,238. Bol Manufacturing Company, Chicago, Ill. Filed Apr. 5, 1951.

51

For Gelatin Dessert.
Claims use since Dec. 13, 1950.

Ser. No. 612,922. Kodama Bros., Imperial, Calif. Filed Apr. 20, 1951.

IMPERIAL QUEEN

The word "Imperial" is disclaimed.
For Fresh Vegetables.
Claims use since May 25, 1948.

Ser. No. 616,068. Rolla Alderson, doing business as Alderson Candy Company, Denver, Colo. Filed July 5, 1951.

FLYING SAUCER

For Candy Bars.
Claims use since Mar. 30, 1950.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 609,977. Hydes' Anvil Brewery Limited, Manchester, England. Filed Feb. 12, 1951.



Priority under Sec. 44(d). British application filed Aug. 21, 1950, Registration No. 691,631 dated Aug. 21, 1950. Applicant claims ownership of British Registration No. 691,631, dated Aug. 21, 1950.
For Beers, Ales, and Stouts.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 568,288. United Western Laboratories Inc., Denver, Colo. Filed Nov. 5, 1948.

Joon

Applicant claims ownership of Registration No. 157,375.
For Finishing Creams, Face Lotions, Astringents, Skin Tonics, Tissue Tonics, Vitamized Toilet Creams, Liquid Face Powders, Facial Oils, Rouges, Lipsticks, Eyebrow Pencils, Eye Shadows, Eyelash Growers, Yeast Packs, Avocado Packs, Tomato Packs, Milk Packs, Clay Packs, Oatmeal Packs, Tooth Powders, Tooth Pastes, Mouth Washes, Mouth Antiseptics, Foot Powders, Hair Tonics or Lotions in Cream and/or Liquid Forms, Hair Rinses, Brilliantines, Hair Oils, Dandruff Removers, Permanent Wave Solutions, Finger Wave Lotions, Depilatory Creams, Bath Salts, Bath Oils, Facial Plastics, Hair Shampoos, Deodorants, Feminine Hygiene Preparations, Nail Polishes, Cuticle Removers, Nail Dyes, Nail Bleaches, Hand Creams, Hand Lotions, Hand Bleaches, Face Creams, Face Rinses, Face Powders, Foot Creams, Corn and Bunion Preparations, Perfumes, Toilet Waters, Sachet Powder, Cough Preparations, Liniments, Yeast and Liver Tablets, and Ointments.
Claims use since Oct. 29, 1921.

Ser. No. 593,665. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 9, 1950.

WARDIA

Applicant claims ownership of Registration No. 362,741.
For Artificial and Synthetic Perfumery Compositions; Natural and Synthetic Essential Oils Used as a Base or an Ingredient in Perfumery; Aromatic Chemicals From Natural or Other Sources Used as an Ingredient in Perfumery; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since May 3, 1934.

Ser. No. 603,194. The Janalyn Laboratories, Inc., Worcester, Mass. Filed Sept. 6, 1950.

Barricade

The drawing is lined for the color green, but use of the mark is not limited to this color.
For Skin Protective Cream.
Claims use since Jan. 15, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 568,288. United Western Laboratories Inc., Denver, Colo. Filed Nov. 5, 1948. (Classified in Class 51.)

Joon

Applicant claims ownership of Registration No. 157,375.
For Finishing Creams, Face Lotions, Astringents, Skin Tonics, Tissue Tonics, Vitamized Toilet Creams, Liquid Face Powders, Facial Oils, Rouges, Lipsticks, Eyebrow Pencils, Eye Shadows, Eyelash Growers, Yeast Packs, Avocado Packs, Tomato Packs, Milk Packs, Clay Packs, Oatmeal Packs, Tooth Powders, Tooth Pastes, Mouth Washes, Mouth Antiseptics, Foot Powders, Hair Tonics or Lotions in Cream and/or Liquid Forms, Hair Rinses, Brilliantines, Hair Oils, Dandruff Removers, Permanent Wave Solutions, Finger Wave Lotions, Depilatory Creams, Bath Salts, Bath Oils, Facial Plastics, Hair Shampoos, Deodorants, Feminine Hygiene Preparations, Nail Polishes, Cuticle Removers, Nail Dyes, Nail Bleaches, Hand Creams, Hand Lotions, Hand Bleaches, Face Creams, Face Rinses, Face Powders, Foot Creams, Corn and Bunion Preparations, Perfumes, Toilet Waters, Sachet Powder, Cough Preparations, Liniments, Yeast and Liver Tablets, and Ointments.
Claims use since Oct. 29, 1921.

Ser. No. 583,391. Gaylord Products, Incorporated, Chicago, Ill. Filed Aug. 12, 1949.

SHAMBREW

For Hair Shampoo.
Claims use since July 29, 1949.

Ser. No. 583,392. Gaylord Products, Incorporated, Chicago, Ill. Filed Aug. 12, 1949.

SHAMBRU

For Hair Shampoo.
Claims use since July 27, 1949.

Ser. No. 585,483. Nopco Chemical Company, Harrison, N. J. Filed Aug. 15, 1949. (Classified in Class 4.)

NOPCO

Applicant claims ownership of Registrations Nos. 121,927, 349,176, 406,600, 406,773, 417,461, and 425,132.

For Sulfated Fatty Oils, Sulfated Fatty Acids, Fatty Amides, Fatty Amines, Esters of Fatty Acids, Soaps of Fatty Acids, Sulfated Waxes, Sulfated Amides, Sulfonated Alkylated Aromatics, Antistatic Compositions for Textiles, Cationic Fabric Treating Compositions, Chemical Defoamers, Mercerizing and Carbonizing Assistants, Plasticizers for Warp Sizing, Coning Oils, Kier Boil Assistants, Wax Emulsifiers, Pigment Dispersing Aids, Rayon Crepe Soaking Oils, Silk Soaking Oils, Textile Scouring Compositions, Textile Sizing Compositions, Yarn and Fiber Lubricants, Scrooping Compounds, Viscose Spin Bath Additives, Flameproofing Compounds, Compositions for Rendering Textiles Water Repellant, Wool and Worsted Lubricants, Dye and Finish Assistants and Penetrants, Fat-Liquoring Oils, Sole Leather Wax Polishes, Alum Stable Leather Oils, Leather Sponging and Washing Compounds, Synthetic Neat's-Foot Oil, Leather Finishing Oils, Paper and Pulp Defoamers, Cationic Tissue Softening Compounds, Emulsified Synthetic Resins, Polyvalent Metal Soap Dispersions, Paper Felt Washing Compounds, Foam Killers and Sheet Foamation Aids, Free Rosin Sizing Agents, Pitch Control Compositions for Use in the Pulp and Paper Industry, Paper Sizes, Cutting Oil Emulsifiers, Mold Lubricants, Rust Inhibitors, Wire Drawing Compounds, Synthetic Drying Oils, Latex Extenders, Linseed Oil and Ester Gum Extenders, Waterproofing Compositions, Shampoos, Agricultural Oil Spray Emulsifiers, Plasticizers for Rubber, Cellulose Derivatives and Synthetic Resins, Other Wetting, Emulsifying, and Dispersing Agents for General Use in the Industrial Arts.

Claims use since Sept. 1, 1917.

Ser. No. 588,504. Norman J. Mortimer, New Hope, Pa. Filed Nov. 29, 1949.

TOUCH AND GLOW

For Cleaning Preparations Having Cleansing and Detergent Qualities for General Industrial and Household Use—Namely, for Use on Painted Surfaces and Glass.

Claims use since June 25, 1949.

Ser. No. 610,889. Colgate-Palmolive-Peet Company, Jersey City, N. J. Filed Mar. 6, 1951.

AXIOM

For Toilet Soap.
Claims use since Dec. 19, 1950.

Ser. No. 610,890. Colgate-Palmolive-Peet Company, Jersey City, N. J. Filed Mar. 6, 1951.

CRONY

For Toilet Soap.
Claims use since Dec. 19, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 561,804. Chi Psi Fraternity, Ann Arbor, Mich. Filed July 21, 1948. (Classified in Class 101.)



For Services for Male College Students, Directed to the Fostering and Encouragement of Educational Pursuits—Namely, Education Services Comprising Conducting Classes, and Publishing Information Designed To Foster Good Study Habits; and Other Services Comprising Vocational Guidance Programs, Job Placement Services, the Furnishing of Financial and Other Assistance in Connection With Good Living Quarters Provided With Proper Study Facilities, Libraries, and the Like, and the Awarding of College Scholarships.

Claims use since May 1841.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 561,804. Chi Psi Fraternity, Ann Arbor, Mich. Filed July 21, 1948.



For Services for Male College Students, Directed to the Fostering and Encouragement of Educational Pursuits—Namely, Education Services Comprising Conducting Classes, and Publishing Information Designed To Foster Good Study Habits; and Other Services Comprising Vocational Guidance Programs, Job Placement Services, the Furnishing of Financial and Other Assistance in Connection With Good Living Quarters Provided With Proper Study Facilities, Libraries, and the Like, and the Awarding of College Scholarships.

Claims use since May 1841.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 561,804. Chi Psi Fraternity, Ann Arbor, Mich. Filed July 21, 1948. (Classified in Class 101.)



For Services for Male College Students, Directed to the Fostering and Encouragement of Educational Pursuits—Namely, Education Services Comprising Conducting Classes, and Publishing Information Designed To Foster Good Study Habits; and Other Services Comprising Vocational Guidance Programs, Job Placement Services, the Furnishing of Financial and Other Assistance in Connection With Good Living Quarters Provided With Proper Study Facilities, Libraries, and the Like, and the Awarding of College Scholarships.

Claims use since May 1841.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 600,676. Laird B. Holt, doing business under the name and style of Continental Athletic Supply, San Carlos, Calif. Filed July 14, 1950.



The representation of the football is disclaimed.

For Reconditioning and Repairing Athletic Equipment and Uniforms.

Claims use since Dec. 12, 1946.

CLASS 106

MATERIAL TREATMENT

Ser. No. 557,668. Gilbert L. Lewis, doing business as Protexall Permanent Process Service, Kansas City, Mo. Filed May 24, 1948. (Sec. 2f.)

"Permanent Protection That's Perfection"

For Laminating Paper Products of Others.
Claims use since Sept. 10, 1940.

Ser. No. 582,799. Production Enameling Co., Chicago, Ill. Filed Aug. 1, 1949.



The word "Production" is disclaimed.
For Enameling of the Goods of Others.
Claims use since Mar. 21, 1949.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 561,804. Chi Psi Fraternity, Ann Arbor, Mich. Filed July 21, 1948. (Classified in Class 101.)



For Services for Male College Students, Directed To the Fostering and Encouragement of Educational Pursuits—Namely, Education Services Comprising Conducting Classes, and Publishing Information Designed To Foster Good Study Habits; and Other Services Comprising Vocational Guidance Programs, Job Placement Services, the Furnishing of Financial and Other Assistance in Connection With Good Living Quarters Provided With Proper Study Facilities, Libraries, and the Like, and the Awarding of College Scholarships.

Claims use since May 1841.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,603. Maltless Soft Drinks and Concentrates for Making Same. James T. Crow, doing business under the firm name "The Necta-Cola Company," San Antonio, Tex.
Filed May 9, 1947, Serial No. 522,137. Published Sept. 19, 1950. Class 45.

ACT OF 1946, PRINCIPAL REGISTER

550,918. Oil and Grease—Namely, Transmission Oil, Worm Gear Lubricants, Cup Grease, Light Gear Grease, Transparent Heavy Roller and Ball Bearing Grease, Medium Turbine Oil, Heavy Turbine Oil, Soft Grease, Engine Oil, Dynamo Oil, Motor Oil, Acid-Free Oil, and Crankcase Oil. Cherry-Burrell Corporation, Chicago, Ill.
Original filed, act of 1905, Jan. 31, 1945; amended to application under act of 1946, Principal Register, Feb. 23, 1951, Serial No. 479,223. Published July 31, 1951. Class 15.

550,919. Paint Enamel for Decorating. Hockaday, Inc., Chicago, Ill.
Original filed, act of 1905, Jan. 10, 1947; amended to application under act of 1946, Principal Register, Apr. 2, 1948, Serial No. 515,561. Published Aug. 28, 1951. Class 16.

550,920. Women's Shoes Made of Leather. Schwartz & Benjamin, Inc., New York, N. Y.
Filed Aug. 19, 1947, Serial No. 531,852. Published June 5, 1951. Class 39.

550,921. One-Coat Wall Finish in the Nature of Paint or Lacquer. Phelan-Faust Paint Mfg. Co., St. Louis, Mo.
Filed Sept. 4, 1947, Serial No. 533,360. Published Aug. 28, 1951. Class 16.

550,922. Rye Flour. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Oct. 23, 1947, Serial No. 538,743. Published July 10, 1951. Class 46.

550,923. Men's and Boys' Suits, Coats, Vests, Trousers, and Overcoats for Street Wear. Louis Goldsmith Inc., Philadelphia, Pa.
Filed Dec. 2, 1947, Serial No. 542,916. Published July 24, 1951. Class 39.

550,924. Fabrics in the Piece Composed of Cotton, Wool, Silk, and Synthetic Fibers. Crompton Company, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,105. Published Sept. 14, 1948. Class 42.

550,925. Processed Tobacco Stems Used for Animal Bedding, Nesting Material, and Plant Covering With Germicidal Deodorizing Properties. Henry A. Fischel, Inc., Philadelphia, Pa.
Filed Dec. 5, 1947, Serial No. 543,429. Published Aug. 7, 1951. Class 1.

550,926. Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,086. Published July 24, 1951. Class 19.

550,927. Frozen Fresh Vegetables. California Consumers Corporation, Los Angeles, Calif.
Filed Dec. 26, 1947, Serial No. 545,437. Published July 10, 1951. Class 46.

550,928. Embalming Machine. Egyptian Chemical Company, Boston, Mass.
Filed Dec. 31, 1947, Serial No. 545,830. Published July 17, 1951. Class 44.

550,929. Granite. The North Carolina Granite Corporation, Mount Airy, N. C.
Filed Apr. 12, 1948, Serial No. 554,395. Published Aug. 7, 1951. Class 1.

550,930. Product in Dry, Powdered Form, Consisting of a Mechanical Mixture of Powdered Egg Yolk and Powdered Modified Milk Proteins for Use in the Preparation of Foods. The Borden Company, New York, N. Y.
Filed Apr. 21, 1948, Serial No. 555,144. Published July 10, 1951. Class 46.

550,931. Oil Cover Paint, Floor Sealing Compound Which Is a Liquid Long Oil Varnish, Floor-Surface Renewer Which Is a Liquid Long Oil Dilute Varnish, Liquid Varnish Remover. G. H. Tennant Company, Minneapolis, Minn.
Filed May 14, 1948, Serial No. 557,091. Published Aug. 7, 1951. Class 16.

550,932. Colored and Colorless Plastic Materials in the Form of Sheets, Rods, and Tubes for Use in the Manufacture of Spectacle Frames, Combs, and in the Toy Trade. Societe des Usines Chimiques Rhone-Poulenc, Paris, France.
Filed Mar. 24, 1948, Serial No. 557,708. Published Aug. 7, 1951. Class 1.

550,933. Mechanically Grooved Phonograph Records for the Teaching of Music. Paul Billotti, New York, N. Y.
Filed May 29, 1948, Serial No. 558,100. Published Sept. 4, 1951 Class 36.

550,934. Automobile Supplies—Namely, Group A—Tires and Tubes, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed June 8, 1948, Serial No. 558,758. Published Aug. 21, 1951. Class 35.

550,935. Ladies', Misses', Children's, and Junior Misses' and Junior Girls' Coats. Weather-Mates Apparel Co. Inc., New York, N. Y.
Filed June 19, 1948, Serial No. 559,753. Published Oct. 25, 1949. Class 39.

550,936. Tow Bars. Pilot Distributing Company, Battle Creek, Mich.
Filed June 22, 1948, Serial No. 559,942. Published July 24, 1951. Class 19.

550,937. Pump and Engine Rod Packing. The Anchor Packing Company, Philadelphia, Pa.
Filed June 25, 1948, Serial No. 560,156. Published Aug. 21, 1951. Class 35.

550,938. Valves—Namely, Safety, Relief, Globe, Angle, and Gate Valves; and Parts Thereof—Namely, Bases, Bushings, Feathers, Spindles, Compression Screws, Springs, Discs, Disc Guides, Metallic Washers, Discharge Elbows, and Mufflers. Manning, Maxwell & Moore, Incorporated, New York, N. Y.
Filed June 30, 1948, Serial No. 560,489. Published Aug. 28, 1951. Class 13.

550,939. Wire Screen Cloth, Lawn Sprinklers, Radiator Air Valve and Screen Door Closers. Masback Incorporated, New York, N. Y.
Filed July 21, 1948, Serial No. 561,842. Published Sept. 4, 1951. Class 13.

550,940. Coasting Sleds. Pratt Manufacturing Company, Coldwater, Mich.
Filed Aug. 6, 1948, Serial No. 562,951. Published July 31, 1951. Class 22.

550,941. Shoes, Slippers, and Sandals for Ladies, Misses, and Children and Made From Leather, Composition Materials, Plastic, Fabric, Rubber, and Combinations Thereof. Radcliffe Shoes, Inc., Brockton, Mass.
Filed Aug. 11, 1948, Serial No. 563,217. Published June 5, 1951. Class 39.

550,942. Dial Instrument for Measuring Air Velocities and Checking Over Air Circulation in Unit Heaters and Coolers, in Air Conditioning Ducts, in Warm Air Furnace Operation, Grill Discharge Air, Grill Return Air, for Blower Capacities, and Fan Output. Frank J. Tomsek, doing business under the name of Detroit Air Conditioning Service Co., Detroit, Mich.
Filed Sept. 20, 1948, Serial No. 565,501. Published July 24, 1951. Class 26.

550,943. Shoes of Leather, Rubber, Fabric, and Combinations Thereof, for Men, Women, and Children. Jayrich Footwear Co., Lynn, Mass.
Filed Oct. 7, 1948, Serial No. 566,588. Published July 10, 1951. Class 39.

550,944. Liquid and Solid Fatty Acids. Emery Industries, Inc., Cincinnati, Ohio.
Filed Aug. 24, 1948, Serial No. 566,822. Published July 17, 1951. Class 6.

550,945. Hard, Animal, Vegetable, and Artificial Fibres for Use in the Manufacture of Paint Brushes, Shaving Brushes, and Hair and Clothes Brushes. Fibras Saltillo, S. A., Saltillo, Mexico.
Priority under Sec. 44(d). Mexican Registration No. 59,649, filed May 25, 1948.
Filed Oct. 23, 1948, Serial No. 567,510. Published Aug. 7, 1951. Class 1.

550,946. Rubbing Oil for Infants. Q-Tips Inc., Long Island City, N. Y.
Filed Oct. 27, 1948, Serial No. 567,712. Published Aug. 7, 1951. Class 51.

550,947. Toilet Waters and Perfumes. Perfumeria Flamour S. A., Sao Paulo, Brazil.
Filed Nov. 9, 1948, Serial No. 568,444. Published Aug. 7, 1951. Class 51.

550,948. Shoes. Shoe Corporation of America, Columbus, Ohio.
Filed Nov. 29, 1948, Serial No. 569,574. Published Feb. 14, 1950. Class 39.

550,949. Photographic Lenses. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed Nov. 30, 1948, Serial No. 569,615. Published Aug. 8, 1950. Class 26.

550,950. Lemon Cream, Cold Cream and Vanishing Cream, Solid and Liquid Cleansing and Facial Creams, Etc. Harper Method, Rochester, N. Y.
Filed Dec. 6, 1948, Serial No. 570,050. Published July 17, 1951. Class 51.

550,951. Medicinal Preparations, in Liquid, Tablet, Powder, and Capsule Form for Use in the Treatment of Cold and Cough Infections. The Mara Laboratories, Inc., Harrison, N. J.
Filed Dec. 7, 1948, Serial No. 570,109. Published July 24, 1951. Class 18.

550,952. Conveyor Belts, Garden Hose, V-Belts, Belting. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,654. Published Aug. 21, 1951. Class 35.

550,953. Dark Room Safe Light. Golden 'B' Manufacturing Co. Inc., Cleveland, Ohio.
Filed Dec. 29, 1948, Serial No. 571,268. Published July 24, 1951. Class 26.

550,954. Centrifuges for Laboratory and Experimental Use; Ovens, Agitators, Water-Baths, Furnaces, Sterilizers for Tubes, Pipettes for Laboratory Use, Glass Graduates and Graduated Tubes, Etc. Aktiebolaget Vinkelcentrifug, Stockholm, Sweden.
Filed Dec. 30, 1948, Serial No. 571,312. Published July 24, 1951. Class 26.

550,955. Linen, Cotton, and Other Fabric Endless Belts Suitable for Forming, Elevating, and Conveying Purposes. Endless Belt Corporation, Pisgah Forest, N. C.
Filed Dec. 24, 1948, Serial No. 572,619. Published Aug. 21, 1951. Class 35.

550,956. Fresh Apples. New York Coal Sales Company, Columbus, Ohio.
Filed Jan. 26, 1949, Serial No. 572,863. Published July 10, 1951. Class 46.

550,957. Blankets and Bedspreads, and Textile Rugs. Sawyer, Regan Company, Dalton, Mass.
Filed Jan. 28, 1949, Serial No. 573,005. Published Aug. 21, 1951. Class 42.

550,958. Preparations for Use in the Treatment of the Hair—Namely, Lotions and Creams for Softening Hair, Lotions and Creams for Use in Waving or Curling Hair. The Nestle-Le Mur Company, South Meriden, Conn.
Filed Feb. 2, 1949, Serial No. 573,194. Published July 17, 1951. Class 51.

550,959. Combined Rear View Mirrors and Thermometers. Frank N. Mariani, New York, N. Y.
Filed Jan. 28, 1949, Serial No. 573,220. Published July 31, 1951. Class 19.

550,960. Sweeping Oscillator Set or Apparatus Utilized in Testing Radio, Television, and Other Electronic Equipment. Kay Electric Company, Pine Brook, N. J.
Filed Feb. 9, 1949, Serial No. 573,552. Published July 24, 1951. Class 26.

550,961. Pulse Generator Set or Apparatus Utilized in Testing Radio, Television, and Other Electronic Equipment. Kay Electric Company, Pine Brook, N. J.
Filed Feb. 9, 1949, Serial No. 573,553. Published July 24, 1951. Class 26.

550,962. Special Oscillator Set or Apparatus Utilized in Testing Radio, Television, and Other Electronic Equipment. Kay Electric Company, Pine Brook, N. J.
Filed Feb. 9, 1949, Serial No. 573,554. Published July 24, 1951. Class 26.

550,963. Musical Instruments and Accessories—Namely, Trumpets, Cornets, Trombones, Clarinets (Metal, Wood and Ebonite), Alto Saxophones, Tenor Saxophones, Flutes, Piccolos, Baritone Horns, French Horns, BB♭ Sousaphones, Oboes, English Horns, Bassoons, Mandolins, Etc. Hershman Musical Instrument Co., Inc., New York, N. Y.
Filed Feb. 19, 1949, Serial No. 574,145. Published Sept. 4, 1951. Class 36.

550,964. Fasteners and Supports of the General Character of Drapery Hangers, Drapery Hooks, Drapery Clamps, Drapery Holders, and Drapery Rings of Metal and/or Plastic. Fred J. Schwartz, Toledo, Ohio.
Filed Feb. 21, 1949, Serial No. 574,250. Published Sept. 4, 1951. Class 13.

550,965. Heavy Duty Hauling and Dumping Trailers. R. G. Le Tourneau, Inc., Peoria, Ill., Longview, Tex., Vicksburg, Miss., and Toccoa, Ga.
Filed Mar. 7, 1949, Serial No. 575,008. Published July 24, 1951. Class 19.

550,966. Dentures, Dental Plates and Bridges. Roland M. Miller, doing business as Roe Miller Dental Laboratory, Cleveland, Ohio.
Filed Mar. 24, 1949, Serial No. 576,007. Published July 17, 1951. Class 44.

550,967. Steel Tile for Application to Walls and Ceilings. David Dushoff, doing business as New Era Steel Tile Co., Philadelphia, Pa.
Filed Apr. 9, 1949, Serial No. 576,858. Published July 24, 1951. Class 12.

550,968. Pads Made of Rubber and Metal for Automobile Accelerators, Brake, Clutch and Starter Pedals. Anchor Rubber Products, Inc., Cleveland, Ohio.
Filed Apr. 13, 1949, Serial No. 577,033. Published July 24, 1951. Class 19.

550,969. Bicycles. Monark Silver King, Inc., Chicago, Ill.
Filed Apr. 15, 1949, Serial No. 577,220. Published July 24, 1951. Class 19.

550,970. Retractable Wheel Trailers Comprised of Pairs of Wheels Mounted on Pivoting Struts Attachable to Boats or Other Structures To Be Towed, and Towing Connections and Trailer Stands Adapted for Use on Such Trailers. Paul Ramsey, Springfield, Pa.
Filed Apr. 26, 1949, Serial No. 577,733. Published July 24, 1951. Class 19.

550,971. Belting, Composed of Leather, Rubber, Cotton, Linen, and Straps, Thongs, and Belts. Bernard Kats, doing business as Wisconsin Company, Brussels, Belgium.
Filed May 7, 1949, Serial No. 578,394. Published Aug. 21, 1951. Class 35.

550,972. Automotive Trucks and Trailers. Scammell Lorries Limited, Watford West, Hertfordshire, England.
Filed May 7, 1949, Serial No. 578,417. Published July 31, 1951. Class 19.

550,973. Teen Age Girls' Outer Clothing—Namely, Hats, Caps, Coats, Suits, and Dresses. Carson Pirie Scott & Company, Chicago, Ill.
Filed May 10, 1949, Serial No. 578,487. Published July 24, 1951. Class 39.

550,974. Lipstick and Lip Salve. Consolidated Cosmetics, Chicago, Ill.
Filed May 11, 1949, Serial No. 578,571. Published July 17, 1951. Class 51.

550,975. Insulated Siding Panel for Exterior Usage Only for Residential, Farm, or Small Commercial Buildings. Bird & Son, Inc., East Walpole, Mass.
Filed May 14, 1949, Serial No. 578,863. Published July 24, 1951. Class 12.

550,976. Fluorinated Polymer Oil Adapted for Such Uses as a Plasticizer, Lubricant, Hydraulic, or Insulating Fluid, Solvent, or Transformer Oil. The M. W. Kellogg Company, Jersey City, N. J., and New York, N. Y.
Filed May 26, 1949, Serial No. 579,541. Published July 17, 1951. Class 6.

550,977. Bolts, Broom and Tool Holding Brackets, Chain Door Fasteners, Etc. Grey Iron Casting Company, Mount Joy, Pa.
Filed June 1, 1949, Serial No. 579,817. Published Aug. 28, 1951. Class 13.

550,978. Germicide, Fungicide, and Disinfectant Preparations for General Sanitation, Etc. Mark Laboratories, Inc., Pittsburgh, Pa.
Filed June 3, 1949, Serial No. 579,937. Published July 17, 1951. Class 6.

550,979. Skis and Ski Poles. A. G. Spalding & Bros. Inc., Chicopee, Mass.
Filed June 8, 1949, Serial No. 580,156. Published July 31, 1951. Class 22.

550,980. Textile Fabrics, Woven of Plastic Yarn Sold in the Piece, Especially for Use as Automobile Seat Covers. Wendell Plastic Fabrics Corp., New York, N. Y.
Filed June 9, 1949, Serial No. 580,219. Published Aug. 21, 1951. Class 42.

550,981. Windshield Wipers. Dunlop Rubber Company Limited, Erdington, Birmingham, England.
Filed June 11, 1949, Serial No. 580,291. Published July 31, 1951. Class 19.

550,982. Permanent Dental Filling Material of an Invisible Character, Said Material Constituting Porcelain (Synthetic). Pfingst and Company, Incorporated, New York, N. Y.
Filed June 14, 1949, Serial No. 580,424. Published July 31, 1951. Class 44.

550,983. Ladies' Hosiery. Stylewise Hosiery Sales, Inc., New York, N. Y.
Filed June 24, 1949, Serial No. 581,039. Published Aug. 21, 1951. Class 39.

550,984. Automobile Tires. Sears, Roebuck and Co., Chicago, Ill.
Filed June 30, 1949, Serial No. 581,372. Published Aug. 21, 1951. Class 35.

550,985. Women's Shoes Principally of Leather. Tower Grove Shoe Co., St. Louis, Mo.
Filed July 25, 1949, Serial No. 582,506. Published Aug. 21, 1951. Class 39.

550,986. Fuel—Namely, Charcoal and Coal. Valley Feed & Fuel Co. Inc., Madera, Calif.
Filed July 25, 1949, Serial No. 582,509. Published July 31, 1951. Class 1.

550,987. Pneumatic Tires, Made of Rubber or of Rubber-Like Materials. The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio.
Filed July 28, 1949, Serial No. 582,615. Published Aug. 21, 1951. Class 35.

550,988. Pneumatic Tires, All Made of Rubber or of Rubber-Like Materials. The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio.
Filed July 28, 1949, Serial No. 582,616. Published Aug. 21, 1951. Class 35.

550,989. Cotton Piece Goods and Linen Piece Goods—for Dresses, for Women, Misses, and Children. Trippe, Barker & Company, New York, N. Y.
Filed July 28, 1949, Serial No. 582,667. Published Aug. 21, 1951. Class 42.

550,990. Mentholated-Creosoted Preparation for Aiding Discomforts Due to Coughs and Colds. Owen Drug Co., Salisbury, N. C.
Filed Aug. 10, 1949, Serial No. 583,283. Published July 17, 1951. Class 18.

550,991. Fire Clay in Raw or Comminuted Form. Illinois Clay Products Company, Joliet, Ill.
Filed Aug. 12, 1949, Serial No. 583,396. Published Aug. 7, 1951. Class 1.

550,992. Automotive Vehicle Brake Parts—Namely, Brake Shoe and Lining Assembly. Chrysler Corporation, Highland Park, Mich.
Filed Aug. 16, 1949, Serial No. 583,521. Published July 24, 1951. Class 19.

550,993. Piece Goods of Cotton, Mohair, and Wool, or Combinations Thereof. Goodall-Sanford, Inc., Sanford, Maine.
Filed Aug. 19, 1949, Serial No. 583,688. Published Aug. 21, 1951. Class 42.

550,994. Coupling Nuts Used in Refrigerating Systems for Coupling One Pipe to Another, or to an Element of the System, Whenever the Coupling Is Subject to Expansion and Contraction Due to Wide Temperature Changes. Remco, Inc., Zelienople, Pa.
Filed Sept. 2, 1949, Serial No. 584,416. Published Sept. 4, 1951. Class 13.

550,995. Unpopped Popcorn. Ramsey Popcorn Co., Ramsey, Ind.
Filed Sept. 15, 1949, Serial No. 584,871. Published July 10, 1951. Class 46.

550,996. Sedative and Nervous Insomnia Drug. K & W Pharmaceuticals, Inc., San Francisco, Calif.
Filed Sept. 16, 1949, Serial No. 584,909 Published July 17, 1951. Class 18.

550,997. Venous Pressure Measuring Apparatus and Parts Thereof—Namely, Water Manometers, Combination Hypodermic Needles and Observation Tubes, Rubber Air Bulbs, Air-Control Valves, Rubber Tubing, Calibrated Glass Measuring Tubes, and Water Reservoirs. W. A. Baum Co., Inc., New York, N. Y.
Filed Sept. 17, 1949, Serial No. 584,960. Published July 31, 1951. Class 44.

550,998. Varnishes and Liquid Paint Enamels. Elliott Paint & Varnish Company, Chicago, Ill.
Filed Sept. 17, 1949, Serial No. 584,978. Published May 8, 1951. Class 16.

550,999. Pressed Cakes of Sawdust Adapted To Be Burned as Fuel. Walter W. Letts, doing business as Letts Lumber Company, Northville, N. Y.
Filed Oct. 6, 1949, Serial No. 585,849. Published Aug. 7, 1951. Class 1.

551,000. Domestic Clothes Washing Machines, Wringers, Centrifugal Laundry Dryers, and Ironing Machines. Blackstone Corporation, Jamestown, N. Y.
Filed Oct. 17, 1949, Serial No. 586,392. Published Sept. 4, 1951. Class 24.

551,001. Metallic Doors, Metallic Interior and Exterior Building Trim, Hollow Metal Trim for Elevator Entrances, Metal Base Boards or Mouldings, Windows in Metallic Partitions on Inside Walls, and Integral Parts of Such Doors, Trim Mouldings, and Windows. Dahlstrom Metallic Door Company, Jamestown, N. Y.
Filed Oct. 17, 1949, Serial No. 586,400. Published July 24, 1951. Class 12.

551,002. Electric Laundry Washing Machines. Maxwell J. Nye, doing business as M. J. Nye Company, New York, N. Y.
Filed Oct. 19, 1949, Serial No. 586,543. Published Aug. 28, 1951. Class 24.

551,003. Seeds for Planting Purposes. Bert Finzer Seed Company, Louisville, Ky.
Filed Oct. 21, 1949, Serial No. 586,635. Published Aug. 7, 1951. Class 1.

551,004. Laundry Washing Compound. Wyandotte Chemicals Corporation, Wyandotte, Mich.
Filed Nov. 5, 1949, Serial No. 587,412. Published Aug. 14, 1951. Class 32.

551,005. Cosmetic Creams—Namely, Cleansing Creams, Lubricating Creams, Hormone and Estrogenic Creams, Vitamin Throat Creams, Powder Base in Cream and Liquid Form, Etc. Charles O. Hulen, Long Beach, Calif., assignor to Mary Hulen Incorporated, Long Beach, Calif., a corporation of California.
Filed Nov. 16, 1949, Serial No. 587,871. Published Aug. 7, 1951. Class 51.

551,006. Fresh Fruits and Vegetables—Namely, Cantaloupes, Honeydew Melons, Lettuce, Carrots, Broccoli, and Cauliflower. L. T. Malone, doing business as L. T. Malone Co., Phoenix, Ariz.
Filed Dec. 2, 1949, Serial No. 588,698. Published Aug. 28, 1951. Class 46.

551,007. Artificial Hair Coloring Composition in Cream Form. Belle Craft, North Hollywood, Calif.
Filed Dec. 8, 1949, Serial No. 589,002. Published June 12, 1951. Class 51.

551,008. Dolls. The Kendall Company, Boston, Mass.
Filed Dec. 16, 1949, Serial No. 589,450. Published July 31, 1951. Class 22.

551,009. Electric Clocks. Jefferson Electric Company, Bellwood, Ill.
Filed Dec. 19, 1949, Serial No. 589,579. Published July 17, 1951. Class 27.

551,010. Ammunition, Ammunition Components, and Projectiles. Imperial Chemical Industries, Limited, London and Millbank, London, England.
Filed Dec. 29, 1949, Serial No. 590,083. Published Aug. 21, 1951. Class 9.

551,011. Mounting Strips for Supporting and Displaying Price Cards and Price Tags. The Hopp Press, Inc., New York, N. Y.
Filed Jan. 5, 1950, Serial No. 590,366. Published Sept. 4, 1951. Class 13.

551,012. Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric. The Boss Manufacturing Company, Kewanee, Ill.
Filed Jan. 13, 1950, Serial No. 590,798. Published Aug. 28, 1951. Class 39.

551,013. Feed for Livestock—Namely, Horses, Mules, Cattle, Hogs, and Sheep, and Poultry Feed. The Herrman-McLean Company, Cleveland, Ohio.
Filed Jan. 17, 1950, Serial No. 590,980. Published July 10, 1951. Class 46.

551,014. Fluid Seals. Victor Manufacturing & Gasket Co., Chicago, Ill.
Filed Feb. 1, 1950, Serial No. 591,813. Published Aug. 21, 1951. Class 35.

551,015. Firecrackers. Norman L. Allen, doing business as Allen Fireworks Company, Ringgold, Ga.
Filed Feb. 16, 1950, Serial No. 592,535. Published Aug. 21, 1951. Class 9.

551,016. Ring Packing Made of Fabric Impregnated With Rubber or a Synthetic Rubber-Like Material. United States Rubber Company, New York, N. Y.
Filed Feb. 16, 1950, Serial No. 592,586. Published Aug. 21, 1951. Class 35.

551,017. Game Score Board. Wm. F. Drueke and Sons, Grand Rapids, Mich.
Filed Feb. 20, 1950, Serial No. 592,762. Published July 31, 1951. Class 22.

551,018. Game Score Board. Wm. F. Drueke and Sons, Grand Rapids, Mich.
Filed Feb. 20, 1950, Serial No. 592,763. Published July 31, 1951. Class 22.

551,019. Card Table Covers. Kerk Guild, Inc., Whitesboro, N. Y.
Filed Feb. 23, 1950, Serial No. 592,911. Published Aug. 21, 1951. Class 42.

551,020. Automobiles. David Cameron Peck, Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,932. Published July 24, 1951. Class 19.

551,021. Textile Fabrics Made of Cotton, Linen, Synthetic Fibers Including Rayon and Nylon, and Combinations Thereof. Alfred L. Helwith, New York, N. Y.
Filed Feb. 28, 1950, Serial No. 593,175. Published Aug. 21, 1951. Class 42.

551,022. Perfume. Parfums Corday, Inc., New York, N. Y.
Filed Mar. 3, 1950, Serial No. 593,365. Published July 17, 1951. Class 51.

551,023. Plastic Film To Be Used as a Substitute for Textile Fabrics. Plastafilm Corporation, New York, N. Y.
Filed Mar. 3, 1950, Serial No. 593,369. Published Aug. 21, 1951. Class 42.

551,024. Bathtubs. The Murray Corporation of America, Detroit, Mich.
Filed Mar. 11, 1950, Serial No. 593,810. Published Aug. 28, 1951. Class 13.

551,025. Toy Make-Up Kits for Children. Eugene L Ach, Cincinnati, Ohio.
Filed Mar. 15, 1950, Serial No. 593,959. Published July 24, 1951. Class 22.

551,026. Artificial Fishing Lures. Memory Shoe Corporation, also doing business as Moby Dick Manufacturing Co., Omaha, Nebr.
Filed Mar. 17, 1950, Serial No. 594,133. Published July 31, 1951. Class 22.

551,027. Inner Tubes Made of Rubber and Fabric. United States Rubber Company, New York, N. Y.
Filed Mar. 17, 1950, Serial No. 594,154. Published Aug. 21, 1951. Class 35.

551,028. Ladies' Hosiery. Ellay Stores, Inc., New York, N. Y.
Filed Mar. 20, 1950, Serial No. 594,258. Published Jan. 23, 1951. Class 39.

551,029. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 23, 1950, Serial No. 594,442. Published July 17, 1951. Class 52.

551,030. Ladies' Hosiery. Gold Star Hosiery Mills, Inc., New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,454. Published June 5, 1951. Class 39.

551,031. Tablets for Symptomatic Relief of Colds and Hay Fever. The Dr. J. H. McLean Medicine Co., St. Louis, Mo.
Filed Mar. 25, 1950, Serial No. 594,650. Published Dec. 26, 1950. Class 18.

551,032. Antihistamine Compound in Dosage Form. Ives-Cameron Company, Inc., New York, N. Y.
Filed Mar. 29, 1950, Serial No. 594,840. Published Dec. 26, 1950. Class 18.

551,033. Fences, Particularly Snow and Storm Fences. Kraft Paper Products Limited, St. Johns, Quebec, Canada.
Filed Mar. 29, 1950, Serial No. 594,850. Published July 24, 1951. Class 12.

551,034. Hydraulic Dishwashing Apparatus Comprising a Dishwashing Brush Connected by a Hose to a Kitchen Sink Plumbing Fixture Having Customary Operating Faucets and Outlet. Dish Master Corporation, Pontiac, Mich.
Filed Mar. 30, 1950, Serial No. 594,895. Published Aug. 28, 1951. Class 13.

551,035. Stuffed Animal Toys. Francis Losinski, trading and doing business as Toys by Francis, Winona, Minn.
Filed Feb. 17, 1950, Serial No. 595,029. Published July 31, 1951. Class 22.

551,036. Fishing Tackle—Namely, Fishing Rods, Fishing Rod Blanks, and Fishing Rod Handles. Harrington-Rennells, Santa Monica, Calif.
Filed Apr. 3, 1950, Serial No. 595,137. Published July 24, 1951. Class 22.

551,037. Parts for Drilling Mud Pumps, Specifically Outside Liner Packing. Mattco, Inc., Houston, Tex.
Filed Apr. 3, 1950, Serial No. 595,141. Published Aug. 21, 1951. Class 35.

551,038. Pneumatic Tube Repair Units. Technical Rubber Co., Johnstown, Ohio.
Filed Apr. 5, 1950, Serial No. 595,291. Published Aug. 21, 1951. Class 35.

551,039. Women's, Girls' Dresses, Coats, Underwear, Suits, and Playclothes—Namely, Women's Slacks, Bathing Suits, Culottes, and Bicycle Pants. Albert B. Weinberg, New York, N. Y.: Maxine Weinberg and Bernard Furgatch, executors of said Albert B. Weinberg, deceased, assignors to Henry L. Weisburg, New York, N. Y.
Filed Apr. 11, 1950, Serial No. 595,576. Published Aug. 21, 1951. Class 39.

551,040. Garden and Lawn Wire Fences. Erekta Fence Corporation, Brooklyn, N. Y.
Filed Apr. 13, 1950, Serial No. 595,658. Published Aug. 28, 1951. Class 13.

551,041. Tops of the Bandalore Type. Monfield Corporation, New York, N. Y.
Filed Apr. 13, 1950, Serial No. 595,672. Published July 17, 1951. Class 22.

551,042. Hose for High, Low, and Medium Pressure Fluid Including Water, Steam, Air, Gasoline, Oil, Fuel, Beverages, Refrigerants, and Coolants. Aeroquip Corporation, Jackson, Mich.
Filed Apr. 15, 1950, Serial No. 595,751. Published Aug. 21, 1951 Class 35.

551,043. Fishing Rods and Reels and Parts Thereof—Namely, Reel Seats, Line Guides, Rod Handles, Rod Butts, and Rod Grips. Har-Lee Rod, Inc., Weehawken, N. J.
Filed Apr. 26, 1950, Serial No. 596,342. Published July 31, 1951. Class 22.

551,044. Tractor Tires. Sears, Roebuck and Co., Chicago, Ill.
Filed Apr. 28, 1950, Serial No. 596,527. Published Aug. 21, 1951. Class 35.

551,045. Pharmaceutical Preparation Containing Phenylmercuric Nitrate as Its Main Active Ingredient Effective for Treating Fungus and Bacterial Pathogens. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,599. Published July 17, 1951. Class 18.

551,046. Pharmaceutical Preparation Having Antacid Gastroduodenal Sedative Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,602. Published July 17, 1951. Class 18.

551,047. Pharmaceutical Preparation Having Anodyne, Astringent, and Hemostatic Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,603. Published July 17, 1951. Class 18.

551,048. Pharmaceutical Preparation Designed for Treatment of Conditions Requiring Antihistaminic Therapy. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,605. Published July 17, 1951. Class 18.

551,049. Pharmaceutical Preparation Designed for Use in Treating Amenorrhea, Menorrhagia, and Habitual and Threatened Abortion. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,606. Published July 17, 1951. Class 18.

551,050. Pharmaceutical Preparation Having Nerve Sedative and Antispasmodic Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,607. Published July 17, 1951. Class 18.

551,051. Pharmaceutical Preparation Suggested in the Treatment of Hypertension of the Cardiovascular System. The S E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,610. Published July 17, 1951. Class 18.

551,052. Playing Cards. Ralph W. Bumstead, Westfield, N. J.
Filed May 1, 1950, Serial No. 596,650. Published July 24, 1951. Class 22.

551,053. High Carbon Steel Wire Cloth for Sizing Crushed Stone, Gravel, and Other Abrasive Products. Buffalo Wire Works Co., Buffalo, N. Y.
Filed May 3, 1950, Serial No. 596,774. Published Aug. 28, 1951. Class 13.

551,054. Rubber and Fabric Hose. Hewitt-Robins Incorporated, Buffalo, N. Y.
Filed May 4, 1950, Serial No. 596,846. Published Aug. 21, 1951. Class 35.

551,055. Aluminum Roofing Cups Used for Covering Greenhouse Roof Bars and for Holding Greenhouse Panes of Glass in Place. Burnham Corporation, Irvington on Hudson, N. Y.
Filed May 6, 1950, Serial No. 596,977. Published July 24, 1951. Class 12.

551,056. Choline Dihydrogen Citrate. Flint, Eaton and Company, Decatur, Ill.
Filed May 11, 1950, Serial No. 597,261. Published July 17, 1951. Class 18.

551,057. Wedding Rings and Engagement Rings. Medicated Products Co., doing business as Donald Bruce & Company, Chicago, Ill.
Filed May 20, 1950, Serial No. 597,834. Published July 17, 1951. Class 28.

551,058. Metal Stays for Paper Boxes. National Metal Edge Box Company, Philadelphia, Pa.
Filed May 24, 1950, Serial No. 598,030. Published Aug. 28, 1951. Class 13.

551,059. Pleasure Boats—Namely, Cabin Cruisers and Inboard and Outboard Motor Boats. Ogden Kellogg-Smith, Chestertown, Md.
Filed May 25, 1950, Serial No. 598,100. Published July 24, 1951. Class 19.

551,060. Ladies', Misses', and Juniors' Coats and Suits. Baitch & Castaldi, Inc., New York, N. Y.
Filed May 26, 1950, Serial No. 598,146. Published May 1, 1951. Class 39.

551,061. Lipstick, Rouge, Liquid Foundation, and Foundation Cream. House of Westmore, Inc., New York, N. Y.
Filed June 6, 1950, Serial No. 598,652. Published July 17, 1951. Class 51.

551,062. Staples Used for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal Together, Also for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal on to Wood. Markwell Manufacturing Company, Inc., New York, N. Y.
Filed June 6, 1950, Serial No. 598,662. Published Sept. 4, 1951. Class 13.

551,063. Drafting Machines. V. & E. Manufacturing Co., Pasadena, Calif.
Filed June 7, 1950, Serial No. 598,766. Published July 24, 1951. Class 26.

551,064. Reciprocating and Centrifugal Pumps. Oil Well Supply Company, Dallas, Tex.
Filed June 8, 1950, Serial No. 598,808. Published Apr. 17, 1951. Class 23.

551,065. Flexible Conduits, Usually Called Sifter Stockings, for Connections With Sifting or Other Apparatus. Richmond Manufacturing Company, Lockport, N. Y.
Filed June 9, 1950, Serial No. 598,866. Published Aug. 21, 1951. Class 35.

551,066. Brassières. Artistic Foundations, Inc., New York, N. Y.
Filed June 13, 1950, Serial No. 598,976. Published Aug. 28, 1951. Class 39.

551,067. Deodorant Body Powder. Courtley, Ltd., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York.
Filed June 14, 1950, Serial No. 599,084. Published July 24, 1951. Class 51.

551,068. Press Pads Employed for Pressing Clothing. Resillo Company, Chicago, Ill.
Filed June 14, 1950, Serial No. 599,118. Published Sept. 4, 1951. Class 24.

551,069. Solid Industrial Rubber Tires. The Monarch Rubber Company, Hartville, Ohio.
Filed June 15, 1950, Serial No. 599,186. Published Aug. 21, 1951. Class 35.

551,070. Measuring Chemical Pump. Milton Roy Company, Philadelphia, Pa.
Filed June 15, 1950, Serial No. 599,193. Puolished July 24, 1951. Class 26.

551,071. Omnibuses, Railway Carriages, and Freight and Express Rail Cars. Nydqvist & Holm Aktiebolag, Trollhättan, Sweden.
Priority under Sec. 44(d). Swedish Registration No. 68,006, filed Dec. 20, 1949.
Filed June 19, 1950, Serial No. 599,387. Published July 31, 1951. Class 19.

551,072. Clamps for Attaching Sweep Cloths to Brooms, Brushes, and the Like. Walter G. Legge Company, Inc., New York, N. Y.
Filed June 20, 1950, Serial No. 599,441. Published Aug. 28, 1951. Class 13.

551,073. Sun Glasses. Mikay Optical Company, Inc., Newark, N. J.
Filed June 23, 1950, Serial No. 599,642. Published July 24, 1951. Class 26.

551,074. Dry Comminuted Cementitious Compound for Making Cementitious Coatings for Walls, Floors, and the Like. C. Leroy Olson, San Francisco, Calif.
Filed June 24, 1950, Serial No. 599,717. Published July 24, 1951. Class 12.

551,075. Fabrics of Silk, Wool, Linen, Cotton, or Synthetic Fibers,—and Mixtures Thereof. The Duplan Corporation, New York, N. Y.
Filed June 28, 1950, Serial No. 599,864. Published Aug. 14, 1951. Class 42.

551,076. Pressure Control Valves, Volume Control Valves, Directional Control Valves, Control Panels Comprising an Assembly of Control Valves. Vickers Incorporated, Detroit, Mich.
Filed June 28, 1950, Serial No. 599,913. Published Aug. 28, 1951. Class 13.

551,077. Fabrics Made of Cotton, Wool, Synthetic Fibers, and/or Combinations of the Same. David Rothschild Company, Columbus, Ga.
Filed June 30, 1950, Serial No. 600,082. Published June 19, 1951. Class 42.

551,078. Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct to Surgical Intervention. American Cyanamid Company, New York, N. Y.
Filed July 7, 1950, Serial No. 600,314. Published July 17, 1951. Class 18.

551,079. Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct to Surgical Intervention. American Cyanamid Company, New York, N. Y.
Filed July 7, 1950, Serial No. 600,316. Published July 17, 1951. Class 18.

551,080. Shampoo. Hal Collins Company, Dallas, Tex.
Filed July 7, 1950, Serial No. 600,327. Published Aug. 7, 1951. Class 52.

551,081. Copper and Stainless Steel Cleanser. Caller Co., Inc., doing business as Calnor Products, Boston, Mass.
Filed July 8, 1950, Serial No. 600,369. Published July 31, 1951. Class 52.

551,082. Piece Goods of Wool and Cotton. William Hollins & Company Limited, Nottingham, England.
Filed July 11, 1950, Serial No. 600,485 Published Aug. 14, 1951. Class 42.

551,083. Disposable Parenteral Administration Sets, and Disposable Blood Donor Sets, and Disposable Blood Recipient Sets. Hospital Liquids, Inc., Chicago, Ill.
Filed July 18, 1950, Serial No. 600,833. Published July 3, 1951. Class 44.

551,084. Toilet Seats. Temple Lumber Company, Pineland, Tex.
Filed July 20, 1950, Serial No. 600,997. Published Aug. 28, 1951. Class 13.

551,085. Laundry Washboards and Clothespins. Mildred M. Dodge and William Boal, Stamford, Conn.
Filed July 27, 1950, Serial No. 601,315. Published Aug. 28, 1951. Class 24.

551,086. Truck Bodies. Gar Wood Industries, Inc., Wayne, Mich.
Filed Aug. 3, 1950, Serial No. 601,669. Published July 24, 1951. Class 19.

551,087. Skis, Ski Poles, Ski Bindings (Ski Harness), Ski End Braces, Tip Protectors for Skis, Heel Protectors for Skis, Ski Ties, Ice and Field Hockey Sticks, Hockey Pucks, Etc. C. A. Lund Company, North St. Paul, Minn.
Filed Aug. 4, 1950, Serial No. 601,743. Published July 17, 1951. Class 22.

551,088. Gridirons or Meat Broiling Racks. Mid-Western Industries, Inc., Wichita, Kans.
Filed Aug. 7, 1950, Serial No. 601,878. Published Aug. 28, 1951. Class 13.

551,089. Lotion for Prevention of Sunburn. Western Pharmacal Company, Salt Lake City, Utah.
Filed Aug. 10, 1950, Serial No. 602,075. Published July 17, 1951. Class 51.

551,090. Cosmetics—Namely, Perfumes, Toilet Waters, Rouge, Face Powders and Lotions, Lip Sticks, Hair Tonics and Preparations, Tooth Powders and Paste, and Talcum Powders. Haugron Cientifical, S. A., Barcelona, Spain.
Filed Aug. 17, 1950, Serial No. 602,318. Published July 17, 1951. Class 51.

551,091. Eyebrow Pencils, Eye Shadow, Cream Rouge, Lipstick, Foundation Creams, Dry Rouge, Perfumes, Face Powder, Sachet Powder, Skin Lotion, Cleansing Cream, and Hand Cream. Peter Vest Sales Corporation, New York, N. Y.
Filed Aug. 22, 1950, Serial No. 602,587. Published July 17, 1951. Class 51.

551,092. Cosmetic Preparations—Namely, Liquid Hair Dressing (Brilliantine), Hair Lotion, Scalp and Hair Cream, and Face and Hand Cream. Joseph Schaeffer, Brattleboro, Vt.
Filed Sept. 1, 1950, Serial No. 603,083. Published July 17, 1951. Class 51.

551,093. Ice Cream Stabilizers. The Borden Company, New York, N. Y.
Filed Sept. 2, 1950, Serial No. 603,108. Published July 10, 1951. Class 46.

551,094. Chemical Additive for Fuel Oils To Prevent and Dissolve Sludge Caused by the Presence of Moisture. Norman Chemical Company, St. Paul, Minn.
Filed Sept. 15, 1950, Serial No. 603,593. Published July 17, 1951. Class 15.

551,095. Peg Type Abacus To Be Used in Keeping Score for Games Such as Canasta, Pinochle, and Bezique. Ernest C. Stoll, doing business as The Canas-Tab Company, Kalamazoo, Mich.
Filed Sept. 15, 1950, Serial No. 603,606. Published July 17, 1951. Class 22.

551,096. Dart Guns, Darts, Arrows, and Dart Games. Cloyd D. Smith, Rivera, Calif.
Filed Sept. 18, 1950, Serial No. 603,702. Published July 24, 1951. Class 22.

551,097. Separable Slide Fasteners and Slides for Separable Slide Fasteners. Paul Hossmann, Bern, Switzerland.
Filed Sept. 21, 1950, Serial No. 603,846. Published Aug. 28, 1951. Class 13.

551,098. Dental Plate Cleaning Composition. Jeradent Inc., Newark, N. J.
Filed Sept. 22, 1950, Serial No. 603,884. Published July 17, 1951. Class 51.

551,099. Textile Rugs and Carpets. Nye-Wait Company Inc., Auburn, N. Y.
Filed Oct. 2, 1950, Serial No. 604,315. Published Aug. 21, 1951. Class 42.

551,100. Automobile Seat Covers. B. T. Crump Company, Inc., Richmond, Va.
Filed Oct. 11, 1950, Serial No. 604,720. Published July 31, 1951. Class 19.

551,101. Medicinal Preparation for Effective Bowel Management. Otis E. Glidden & Co., Inc., Waukesha, Wis.
Filed Oct. 12, 1950, Serial No. 604,777. Published July 17, 1951. Class 18.

551,102. Pastry Flour. John M. Vogtmann, doing business under the name and style Wenonah Flouring Mills, Bay City, Mich.
Filed Oct. 13, 1950, Serial No. 604,875. Published July 10, 1951. Class 46.

551,103. Personal Deodorants Containing Chlorophyll for Internal Use. Vitaminerals, Inc., Glendale, Calif.
Filed Oct. 16, 1950, Serial No. 604,998. Published July 17, 1951. Class 18.

551,104. Camelback. The Kelly-Springfield Tire Company, Cumberland, Md.
Filed Oct. 17, 1950, Serial No. 605,038. Published Aug. 21, 1951. Class 35.

551,105. Vaginal Speculums for Use on Cows for Artificial Semination. Lester T. Sawyer, doing business under the name and style of HyCrest Farms, Sterling, Mass.
Filed Oct. 19, 1950, Serial No. 605,176. Published July 17, 1951. Class 44.

551,106. Liquid Hair Dressing and Softening Lotion. The House of Stuart, Incorporated, Newark, N. Y.
Filed Oct. 21, 1950, Serial No. 605,259. Published June 19, 1951. Class 51.

551,107. Atomizers for Perfume and Cologne, Sold Empty. Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass.
Filed Oct. 26, 1950, Serial No. 605,520. Published July 17, 1951. Class 44.

551,108. Nursing Bottle Supports. The Baby Feedaider Company, Columbia, S. C.
Filed Oct. 31, 1950, Serial No. 605,625. Published July 17, 1951. Class 44.

551,109. Pharmaceutical Preparation for the Control of Pre-Menstrual Tension. Nutrition Research Laboratories, Inc., Chicago, Ill.
Filed Nov. 8, 1950, Serial No. 606,082. Published July 17, 1951. Class 18.

551,110. Preparation for the Symptomatic Treatment of Menopause. George A. Breon & Company, New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,260. Published July 17, 1951. Class 18.

551,111. Children's Diapers. The Owenby Manufacturing Company, Marietta, Ga.
Filed Nov. 24, 1950, Serial No. 606,892. Published Aug. 21, 1951. Class 39.

551,112. Dietary Food Supplement Consisting of Protein, Carbohydrates, Fat, Moisture, Ash, and Crude Fibre. Bert Sorem, doing business as The Energy Food Supplement Co., Clay Center, Kans., assignor to The Energy Food Supplement Company, Inc., Clay Center, Kans., a corporation of Kansas.
Filed Nov. 30, 1950, Serial No. 607,146. Published July 17, 1951. Class 18.

551,113. Airplanes, and Parts Thereof. Northrop Aircraft, Inc., Hawthorne, Calif.
Filed Dec. 8, 1950, Serial No. 607,445. Published July 31, 1951. Class 19.

551,114. Kaolin in Alumina Gel With Pectin, for Medicinal Purposes. Wyeth Incorporated, Philadelphia, Pa.
Filed Dec. 12, 1950, Serial No. 607,612. Published July 17, 1951. Class 18.

551,115. Automobile Seat Covers. Jobber's Manufacturing & Distributing Company, St. Louis, Mo.
Filed Dec. 13, 1950, Serial No. 607,632. Published July 31, 1951. Class 19.

551,116. Basketballs. Cleve Alexander Sporting Goods, Inc., Danville, Ill.
Filed Dec. 14, 1950, Serial No. 607,656. Published July 31, 1951. Class 22.

551,117. Laundry Carts. Garner & Co., New York, N. Y.
Filed Dec. 15, 1950, Serial No. 607,705. Published July 31, 1951. Class 19.

551,118. Multivitamin Product. Colin Pharmacal Co., Inc., Long Island City, N. Y.
Filed Dec. 28, 1950, Serial No. 608,148. Published July 31, 1951. Class 18.

551,119. Shaving Cream. The AFO Company, Gloversville, N. Y.
Filed Dec. 29, 1950, Serial No. 608,193. Published July 17, 1951. Class 51.

551,120. Girdles and Panty Girdles. True Form Corset Company, Inc., Philadelphia, Pa.
Filed Jan. 5, 1951, Serial No. 608,441. Published Aug. 28, 1951. Class 39.

551,121. Manually Operated Valves, Particularly Used in Hydraulically Operated Devices, Such as Power Shovels, Loaders, Post Drivers, and the Like. Ottawa Steel Products, Inc., Ottawa, Kans.
Filed Jan. 6, 1951, Serial No. 608,470. Published Aug. 28, 1951. Class 13.

551,122. Nozzles Used in Lines Delivering Petroleum Products. Scully Signal Company, Cambridge, Mass.
Filed Jan. 6, 1951, Serial No. 608,477. Published Aug. 28, 1951. Class 13.

551,123. Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric. The Boss Manufacturing Company, Kewanee, Ill.
Filed Jan. 8, 1951, Serial No. 608,489. Published Aug. 28, 1951. Class 39.

551,124. Deluge Sprinkler Units, Piping, Valves, and Sprinklers Therefor. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio.
Filed Jan. 17, 1951, Serial No. 608,852. Published Sept. 4, 1951. Class 13.

551,125. Farm, Ranch, and Stockyard Gates Made of Metal. Spectro Manufacturing and Sales, Inc., Arvada, Colo.
Filed Jan. 24, 1951, Serial No. 609,214. Published Aug. 28, 1951. Class 13.

551,126. Men's, Ladies', and Children's Clothing—Namely, Coats, Suits, Overcoats, Topcoats, Raincoats, Trousers, Vests, and Slacks. Samuel W. Peck, Inc., New York, N. Y.
Filed Jan. 25, 1951, Serial No. 609,258. Published Sept. 4, 1951. Class 39.

551,127. Men's, Ladies', and Children's Clothing—Namely, Coats, Suits, Overcoats, Topcoats, Raincoats, Trousers, Vests, and Slacks. Samuel W. Peck, Inc., New York, N. Y.
Filed Jan. 29, 1951, Serial No. 609,377. Published Sept. 4, 1951. Class 39.

551,128. Automatic Reseating Relief Valves. A. W. Cash Valve Manufacturing Corporation, Decatur, Ill.
Filed Jan. 31, 1951, Serial No. 609,434. Published Sept. 4, 1951. Class 13.

551,129. Bedspreads. Normandie Bedspread Co., New York, N. Y.
Filed Feb. 2, 1951, Serial No. 609,563. Published Aug. 21, 1951. Class 42.

551,130. Textile Fabrics in the Piece Composed of Wool and Nylon. Bachmann Uxbridge Worsted Corporation, New York, N. Y.
Filed Feb. 9, 1951, Serial No. 609,841. Published Aug. 21, 1951. Class 42.

551,131. Slide Fasteners To Be Used on Clothing, Leather Goods, Plastic Goods, Hand Bags, and Luggage. Rollex Fastener Co., Inc., New York, N. Y.
Filed Feb. 15, 1951, Serial No. 610,145. Published Sept. 4, 1951. Class 13.

551,132. Ball Cock Seat Caps, Ball Cock Screws, Ball Cock Thumb Screws, Cotter Pins, Copper Refill Tubes, Flush Valves, Lever Wires, and Tank Bulb Stems. J. A. Sexauer Mfg. Co., Inc., New York, N. Y.
Filed Feb. 15, 1951, Serial No. 610,149. Published Sept. 4, 1951. Class 13.

551,133. Rivets. Rail Air Equipment Company, Los Angeles, Calif.
Filed Feb. 23, 1951, Serial No. 610,461. Published Sept. 4, 1951. Class 13.

551,134. Ironing Board Pad and Cover Set. Holdfast Tool Co., Inc., Los Angeles, Calif.
Filed Mar. 19, 1951, Serial No. 611,520. Published Aug. 28, 1951. Class 24.

551,135. Pads for Ironing Boards. Marx & Cohen Company, St. Louis, Mo.
Filed Apr. 2, 1951, Serial No. 612,131. Published Sept. 4, 1951. Class 24.

Service Mark

551,136. Brokerage and Agency Services in Surgical, Medical, and Hospitalization Insurance. William N. Armstrong, doing business as Continental "Blue Banner" Agency, Rockford, Ill.
Filed May 8, 1948, Serial No. 556,529. Published June 12, 1951. Class 102.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

551,137. (Class 26. Measuring and Scientific Appliances.) Auto-Photo Company, Los Angeles, Calif. Original filed, act of 1905, Apr. 29, 1947; amended to application under act of 1946, Supplemental Register, Mar. 25, 1950, Serial No. 521,495.

AUTO PHOTO

For Coin Operated Cameras, and Coin Operated Photographic Enlarging Machines.
Claims use since Feb. 14, 1947.

551,138. (Class 44. Dental, Medical, and Surgical Appliances.) F. Mattern Mfg. Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 3, 1947; amended to application, Supplemental Register, July 22, 1950, Serial No. 533,187.

MATTERN

The word "X-ray" is disclaimed.
For X-Ray Apparatus for Dental, Medical, and Surgical Use.
Claims use since Oct. 1, 1943.

551,139. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Hypro Engineering Co., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Nov. 17, 1947; amended to application, Supplemental Register, Feb. 2, 1949, Serial No. 541,422.

Flexrotor

For Rotary Pumps for Moving Fluids.
Claims use since June 1, 1947.

551,140. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Seedman Company, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Mar. 5, 1948; amended to application, Supplemental Register, July 16, 1951, Serial No. 551,320.

RUGGED

For Garden Tools—Namely, Rakes, Hoes, Cultivators, Shovels, Garden Tractors, and Spades; Hand Tools—Namely, Socket Sets, 4-Way Rim Wrenches, Hydraulic Jacks, Open End Wrench Sets, Box End Wrench Sets, and Screw Drivers.
Claims use since Oct. 1, 1947.

551,141. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Wind-King Electric Manufacturing Company, Merrill, Iowa. Original filed, act of 1946, Principal Register, Mar. 31, 1948; amended to application, Supplemental Register, Dec. 10, 1949, Serial No. 533,554.

MOZ-ALL

For Power Driven Lawn and Weed Mowers.
Claims use since Dec. 19, 1947.

551,142. (Class 21. Electrical Apparatus, Machines, and Supplies.) General Cable Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, May 29, 1948; amended to application, Supplemental Register, Sept. 13, 1951, Serial No. 558,130.

"MORE POWER TO YOU"

For Bare and Insulated Electrical Wire and Cables.
Claims use since Feb. 26, 1948.

551,143. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Qualheim Inc., Racine, Wis. Filed Apr. 15, 1948, Serial No. 554,702.

Electro-cut

For Commercial Vegetable Cutters and Slicers.
Claims use since Sept. 2, 1946.

551,144. (Class 15. Oils and Greases.) Whale Oil Company Incorporated, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Nov. 8, 1948; amended to application, Supplemental Register, Mar. 29, 1950, Serial No. 568,415.

SLUDGE

The drawing is lined for shading purposes only.
For Liquid Solvent for the Treatment of Fuel Oils, Said Solvent Eliminating Accumulation of Sludge in Containers in Which the Fuel Oil Is Stored.
Claims use since Feb. 1, 1948.

551,145. (Class 21. Electrical Apparatus, Machines, and Supplies.) Holt Manufacturing Company, Oakland, Calif. Original filed, act of 1946, Principal Register, Dec. 8, 1948; amended to application, Supplemental Register, July 6, 1951, Serial No. 570,205.

FLAT TOP

For Electrically Operated Floor Surfacing Machines.
Claims use since April 1946.

551,146. (Class 21. Electrical Apparatus, Machines, and Supplies.) Holt Manufacturing Company, Oakland, Calif. Original filed, act of 1946, Principal Register, Dec. 8, 1948; amended to application, Supplemental Register, Feb. 15, 1951, Serial No. 570,206.

TANDEM

For Electrical Portable Floor Finishing Machines.
Claims use since July 1946.

551,147. (Class 19. Vehicles.) Sarah E. Carter, doing business under the assumed business name of CarPac Mfg. Company, Portland, Oreg. Original filed, act of 1946, Principal Register, Feb. 11, 1949; amended to application, Supplemental Register, Feb. 28, 1950, Serial No. 573,706.

CarPac

For Luggage Carriers for the Tops of Automobiles.
Claims use since Apr. 21, 1948.

551,148. (Class 21. Electrical Apparatus, Machines, and Supplies.) Mercury Vacuum Stores, San Bernardino, Calif. Original filed, act of 1946, Principal Register, Aug. 26, 1949; amended to application, Supplemental Register, Sept. 6, 1951, Serial No. 584,071.

FILTER-AIRE

For Electric Vacuum Cleaners.
Claims use since May 9, 1949.

551,149. (Class 21. Electrical Apparatus, Machines, and Supplies.) Van Bergen & Greener, Inc., Chicago, Ill., Original filed, act of 1946, Principal Register, Oct. 7, 1949; amended to application, Supplemental Register, Aug. 17, 1951, Serial No. 585,967.

THE VAN LINE

For Starter Drives, Distributors, and Current Regulators.
Claims use since July 1938.

551,150. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Hyster Company, Portland, Oreg. Filed Feb. 1, 1950, Serial No. 591,780.

LOAD-GRAB

For Load-Squeezing Mechanisms Adapted for Installation on Industrial Trucks of the Kind Commonly Called Lift Trucks.
Claims use since June 1948.

551,151. (Class 46. Foods and Ingredients of Foods.) Pillsbury Mills, Inc., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Feb. 25, 1950; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 593,081.

HANDKUT

For Prepared Mixture for the Making of Doughnuts and Other Pastry Products.
Claims use since Aug. 28, 1947.

551,152. (Class 26. Measuring and Scientific Appliances.) Norman R. Metzler, doing business as Norman R. Metzler Beauty Salon, York, Pa. Original filed, act of 1946, Principal Register, Apr. 5, 1950; amended to application, Supplemental Register, July 5, 1951, Serial No. 595,268.

TRUEcut BANGshaper

For Adjustable Head Covering Used by Barbers and Hair Stylists for Measuring the Length of and Proper Cutting of the Hair.
Claims use since Jan. 9, 1950.

551,153. (Class 6. Chemicals and Chemical Compositions.) Doughty Laboratories, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 19, 1950; amended to application, Supplemental Register, Mar. 20, 1951, Serial No. 595,946.

HARD·N·TUFF

For Carburizing Compound for Hardening and Alloying Steel.
Claims use since July 1, 1949.

551,154. (Class 31. Filters and Refrigerators.) The Marley Company, Inc., Kansas City, Kans. Original filed, act of 1946, Principal Register, Apr. 24, 1950; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 596,229.

HYDROTOWER

For Liquid Cooling Towers and Parts Thereof.
Claims use since Apr. 5, 1950.

551,155. (Class 52. Detergents and Soaps.) Edgar L. Smith, doing business under the name and style of Beauty Sales, Los Angeles, Calif. Original filed, act of 1946, Principal Register, May 9, 1950; amended to application, Supplemental Register, Jan. 25, 1951, Serial No. 597,171.

Shampoo-WAVE

For Shampoo Preparation.
Claims use since Sept. 1, 1949.

551,156. (Class 31. Filters and Refrigerators.) Sweden Freezer Manufacturing Company, Seattle, Wash. Original filed, act of 1946, Principal Register, May 9, 1950; amended to application, Supplemental Register, May 15, 1951, Serial No. 597,176.

FRIGIDMIXER

For Refrigerating Machine for Making Milk Shakes.
Claims use since Feb. 1, 1950.

551,157. (Class 6. Chemicals and Chemical Compositions.) Calar Chemical Company, Pasadena, Calif. Original filed, act of 1946, Principal Register, July 5, 1950; amended to application, Supplemental Register, Aug. 31, 1951, Serial No. 600,208.

EMBER LIGHT

For Combustible Fluid for Starting Charcoal Fires.
Claims use since June 1, 1950.

551,158. (Class 6. Chemicals and Chemical Compositions.) Pearl A. Fox, doing business as Fox Chemicals, Bristow, Okla. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Sept. 8, 1951, Serial No. 600,582.



For Parrafin Solvents.
Claims use since June 1, 1947.

551,159. (Class 21. Electrical Apparatus, Machines, and Supplies.) Saul Leibow, doing business as Edison Electrical Company, Providence, R. I. Original filed, act of 1946, Principal Register, July 29, 1950; amended to application, Supplemental Register, May 22, 1951, Serial No. 601,446.

LOK-GYDES

For Fluorescent Lighting Fixture and Parts Thereof.
Claims use since Apr. 1, 1949.

551,160. (Class 46. Foods and Ingredients of Foods.) Horday Candies, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Aug. 22, 1950; amended to application, Supplemental Register, July 5, 1951, Serial No. 602,558.

Hy-Gloss

For Hard Candy.
Claims use since June 27, 1950.

551,161. (Class 46. Foods and Ingredients of Foods.) Perk Dog Food Co., doing business as Perk Foods Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 12, 1950; amended to application, Supplemental Register, June 29, 1951, Serial No. 603,458.

CROCKER'S

For Canned Horse Meat for Human Consumption.
Claims use since Sept. 2, 1949.

551,162. (Class 21. Electrical Apparatus, Machines, and Supplies.) Trojan Battery Co., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Sept. 22, 1950; amended to application, Supplemental Register, Aug. 29, 1951, Serial No. 603,905.

"Just Bustin' with Power"

For Batteries.
Claims use since Mar. 15, 1950.

551,163. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Fratelli Borletti Società Per Azioni, Milan, Italy. Filed Oct. 28, 1950, Serial No. 605,550.

BORLETTI

Applicant claims ownership of Italian Registration No. 82,205, dated Sept. 25,1948.
For Sewing Machine.

551,164. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Nov. 6, 1950, Serial No. 607,205.



Applicant claims ownership of Registrations Nos. 277,512 and 399,490.
For Automatic Releasing Devices Incorporating a Fusible Metal Pin or Plug, Valves, Connecting Tubing and Compensating Vents for Fire Extinguishing Systems for Permanent Installation for Fire Protection Purposes.
Claims use since Mar. 14, 1928.

551,165. (Class 46. Foods and Ingredients of Foods.) Hershey Chocolate Corporation, Hershey, Pa. Filed Feb. 14, 1951, Serial No. 610,068.

"QUIKMIX"

Applicant claims ownership of Registration No. 281,485.
For Chocolate Compound in the Form of Paste, for Flavoring and the Like.
Claims use since July 31, 1928.

551,166. (Class 26. Measuring and Scientific Appliances.) Modern Optics, Incorporated, Houston, Tex. Original filed, act of 1946, Principal Register, Feb. 23, 1951; amended to application, Supplemental Register, July 20, 1951, Serial No. 610,450.

"Must be MODERN"

Applicant claims ownership of Registration No. 508,084.
For Ophthalmic Lenses and Lens Blanks.
Claims use since April 1946.

551,167. (Class 6. Chemicals and Chemical Compositions.) Reynolds-Shaffer Co., Detroit, Mich. Filed Mar. 24, 1951, Serial No. 611,740.

Clearstream

For Chemical Stabilizer for Retarding Separation of Iron Particles From Water in Water Systems.
Claims use since June 1, 1947.

Service Mark

551,168. (Class 103. Construction and Repair.) George Hoffman, doing business under the trade name and style of Precision Service Co., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 12, 1950; amended to application, Supplemental Register, July 18, 1951, Serial No. 604,784.

Redi-set

For Repair Service on Automobile Parts—Namely, Regulators, Distributors, Relays, Generators, Starters, Coils, Carburetors, and Fuel Pumps.
Claims use since June 1950.

TRADE-MARK REGISTRATIONS RENEWED

82,086. BEACON. Registered May 30, 1911. F. M. Hoyt Shoe Company, Manchester, N. H. Re-renewed May 30, 1951, to Wilson Footwear Company, Boston, Mass., a corporation of Massachusetts. Leather Boots and Shoes. Class 39.

82,962. BITUCRETE. Registered Aug. 8, 1911. E. M. Chadbourne Company, San Francisco, Calif. Re-renewed Aug. 8, 1951, to Edward M. Chadbourne, Pensacola, Fla. Composition Paving Material and Pavements Containing Bituminous Matter. Class 12.

83,360. LUXURO. Registered Sept. 5, 1911. W. F. Schrafft & Sons Corporation, Boston, Mass. Re-renewed Sept. 5, 1951, to Frank G. Shattuck Company, New York, N. Y., a corporation of Massachusetts. Chocolate Candies. Class 46.

83,525. SUNOCO. Registered Sept. 19, 1911. Sun Oil Company. Re-renewed Sept. 19, 1951, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey. A Material Made From Petroleum and Similar to Turpentine and Possessed of Drying Qualities Similar to Turpentine. Class 16.

83,984. BROOKE BOND & COS TEA. Registered Oct. 31, 1911. Brooke, Bond & Company, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Oct. 31, 1951. Teas. Class 46.

84,049. REPRESENTATION OF STAR AND FLOWER DESIGN. Registered Oct. 31, 1911. Societa Generale Delle Conserve Alimentari Cirio, San Giovanni-a-Teduccio, near Naples, Italy, a company incorporated under the laws of Italy. Re-renewed Oct. 31, 1951. Tomato Extract. Class 46.

84,653. ECONOMY. Registered Dec. 26, 1911. Manhattan Rubber Mfg. Company, New York, N. Y. Re-renewed Dec. 26, 1951, to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey. Hose-Conduits Consisting Partly of Rubber. Class 35.

84,656. PUSSY WILLOW. Registered Dec. 26, 1911. M. C. Migel & Co. Re-renewed Dec. 26, 1951, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware. Woven Broad Silk Piece Goods. Class 42.

84,746. "TONSILINE" ETC. AND DESIGN. Registered Jan. 2, 1912. Harry H. Ink. Re-renewed Jan. 2, 1952, to The Tonsiline Company, Canton, Ohio, a corporation of Ohio. Remedy for Tonsilitis, Acute and Chronic Sore Throat, Coughs, Colds, Hoarseness, and Similar Ailments of the Mouth and Throat. Class 18.

84,763. "M. T. STEVENS AND SONS" AND DESIGN. Registered Jan. 2, 1912. M. T. Stevens & Sons Company, North Andover, Mass. Re-renewed Jan. 2, 1952, to J. P. Stevens & Co., Inc., New York, N. Y., a corporation of Delaware. Worsted, Woolen and Part-Woolen Piece Goods. Class 42.

84,764. REPRESENTATION OF COMBS AND BOBBIN AND DESIGN. Registered Jan. 2, 1912. M. T. Stevens & Sons Company, North Andover, Mass. Re-renewed Jan. 2, 1952, to J. P. Stevens & Co., Inc., New York, N. Y., a corporation of Delaware. Worsted, Woolen, and Part-Woolen Piece Goods. Class 42.

84,816. ANTIFLUX. Registered Jan. 9, 1912. Chicago Retort & Fire Brick Co. Re-renewed Jan. 9, 1952, to Laclede-Christy Company, Chicago, Ill., a corporation of Missouri. Fire-Brick and Special-Shaped Fire-Brick for Heat-Resisting Purposes. Class 12.

85,017. BLUE SEA. Registered Jan. 16, 1912. Southern California Fish Company, Los Angeles, Calif. Re-renewed Jan. 16, 1952, to Southern California Fish Corporation, Terminal Island, Calif., a corporation of California. Canned Fish. Class 46.

282,879. FLOFORMER. Registered May 5, 1931. Andrew C. Campbell, Incorporated, Waterbury, Conn. Renewed May 5, 1951, to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York. Metal-Swaging Machinery. Class 23.

283,782. LEXIN. Registered June 9, 1931. American Lecithin Corporation, Wilmington, Del., and Atlanta, Ga. Renewed June 9, 1951, to American Lecithin Company, Atlanta, Ga., and Woodside, Long Island, N. Y., a corporation of Ohio. Lecithin in a Partly-Purified Condition and in Various Grades and Stages of Purity. Class 6.

285,340. NOSSOS. Registered July 28, 1931. John R. Silva, doing business as John R. Silva & Co., Brooklyn, N. Y. Renewed July 28, 1951. Coffee, Olive Oil, Cocoa, Tea, Canned Sardines, Canned Salmon, Canned Tuna Fish, Etc. Class 46.

285,719. TAPIT. Registered Aug. 4, 1931. Burndy Engineering Company, Inc., New York, N. Y., a corporation of New York. Renewed Aug. 4, 1951. Electrical Connectors for Wires, Cables, Tube, Rod, and the Like. Class 21.

285,750. SAFEWAY. Registered Aug. 4, 1931. The Logan-Long Company, Chicago, Ill., a corporation of Ohio. Renewed Aug. 4, 1951. Outside Coverings Made of Flexible Felt and Impregnated With Asphaltum for Attachment to the Outer Walls of Buildings. Class 12.

285,765. "BUFFALO" AND DESIGN. Registered Aug. 4, 1931. Buffalo Dental Manufacturing Company, Buffalo, N. Y., a corporation of New York. Renewed Aug. 4, 1951. Dental Appliances—Namely, Vulcanizers, Celluloid Apparatus, Gas and Time Regulators for Vulcanizers, Etc. Class 44.

285,774. FERALOY. Registered Aug. 4, 1931. Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York. Renewed Aug. 4, 1951. Electrical Conduit Fittings. Class 21.

285,993. SIMPLATE. Registered Aug. 11, 1931. Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey. Renewed Aug. 11, 1951. Pumping and Compressing Apparatus—Namely, Compressors for Air and Other Gases, Etc. Class 23.

286,337. RENARCOL. Registered Aug. 25, 1931. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Aug. 25, 1951. Medicinal Preparations in Solid and Liquid Form for the Treatment of Rectal Narcosis. Class 18.

286,411. "FLORASYNTH" ETC. AND DESIGN. Registered Aug. 25, 1931. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Renewed Aug. 25, 1951. Synthetic Organic Products for Use in Vanilla Flavors, Food Flavoring Compounds, and for General Food Flavoring Purposes. Class 46.

286,680. LASTEX. Registered Sept. 1, 1931. Adamson Bros. Company, assignor to United States Rubber Company. Renewed Sept. 1, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Yarns. Class 43.

286,779. C. P. Registered Sept. 1, 1931. Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey. Renewed Sept. 1, 1951. Flexible Fluid Conduits, Particularly Hose, Wholly or In Part of Rubber or Rubber Compound; Etc. Class 35.

286,956. SOFTEX. Registered Sept. 8, 1931. I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York. Renewed Sept. 8, 1951. Dress Shields. Class 40.

287,081. "KAL-DERMIC" WITH HEAVY UNDERLINE. Registered Sept. 15, 1931. Davis & Geck, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Sept. 15, 1951. Surgical Skin Sutures for Human Use. Class 44.

287,446. CAMILLAS. Registered Sept. 29, 1931. Frank G. Shattuck Company, New York, N. Y., a corporation of Massachusetts. Renewed Sept. 29, 1951. Candy. Class 46.

287,549. SUCCESS. Registered Sept. 29, 1931. Columbian Art Works, Inc., Milwaukee, Wis., a corporation of Wisconsin. Renewed Sept. 29, 1951. Calendar Pads and Calendar Stands. Class 37.

287,700. C P. Registered Oct. 6, 1931. Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 6, 1951. Electrical Apparatus and Machines, Particularly Portable Electric Tools for Boring, Etc. Class 21.

287,738. SUNFLUSH. Registered Oct. 6, 1931. Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey. Renewed Oct. 6, 1951. Oil for Use in Flushing Crank Cases of Internal Combustion Engines. Class 15.

287,990. "CAPITAL BREAD" ETC. Registered Oct. 20, 1931. Capital City Baking Co. Renewed Oct. 20, 1951, to Capital Bakers, Inc., Harrisburg, Pa., a corporation of Pennsylvania. Bread. Class 46.

288,013. UTILITY. Registered Oct. 20, 1931. American Lead Pencil Company, New York, N. Y. Renewed Oct. 20, 1951, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York. Lead Pencils and Pen Holders. Class 37.

288,039. SALUBRA. Registered Oct. 20, 1931. Salubra S. A., Basel, Switzerland, a corporation organized under the laws of Switzerland. Renewed Oct. 20, 1951. Textile Wall Coverings of All Kinds. Class 42.

288,040. TEKKO. Registered Oct. 20, 1931. Salubra S. A., Basel, Switzerland, a corporation organized under the laws of Switzerland. Renewed Oct. 20, 1951. Textile Wall Coverings of All Kinds. Class 42.

288,135. F. A. B. Registered Oct. 20, 1931. F. A. Bugge, doing business as Bangor Packing Company, Bangor, Wash. Renewed Oct. 20, 1951, to Iwersen Canning Company, Bellingham, Wash., a partnership. Canned Clams, Canned Clam Nectar, Bottled Clam Nectar. Class 46.

288,359. SOFTEX. Registered Oct. 27, 1931. I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York. Renewed Oct. 27, 1951. Shower Curtains and Window Drapes in Sets of Waterproofed Fabrics. Class 42.

288,514. INGRAHAM. Registered Oct. 27, 1931. The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut. Renewed Oct. 27, 1951 (Supplemental Register). Clocks and Watches. Class 27.

288,752. "COACHELLA VALLEY" AND REPRESENTATION OF WRAPPER. Registered Nov. 3, 1931. Coachella Valley Citrus Association, Thermal, Calif. Renewed Nov. 3, 1951, to Coachella Valley Citrus Association, Mecca, Calif., a corporation of California. Fresh Grapefruit and Tangerines. Class 46.

288,931. DU-CAL. Registered Nov. 10, 1931. The Meyercord Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 10, 1951. Decalcomania Transfers. Class 38.

289,067. TEKKO. Registered Nov. 17, 1931. Salubra S. A., Basel, Switzerland, a corporation organized under the laws of Switzerland. Renewed Nov. 17, 1951. Oil Paints. Class 16.

289,068. SALUBRA. Registered Nov. 17, 1931. Salubra S. A., Basel, Switzerland, a corporation organized under the laws of Switzerland. Renewed Nov. 17, 1951. Oil Paints. Class 16.

289,081. EUPHAGIN. Registered Nov. 17, 1931. Pharmazeutische Industrie A. G., Vienna, Austria. Renewed Nov. 17, 1951, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. Anaesthetic for Mouth and Throat. Class 18.

289,233. TETON. Registered Nov. 24, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed Nov. 24, 1951. Lubricating Oil. Class 15.

289,242. "TAILOR-TAN" ETC. AND DESIGN. Registered Nov. 24, 1931. I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York. Renewed Nov. 24, 1951. Ladies' Shoes and Slippers Made of Leather, Fabric, and Combinations of Leather and Fabric. Class 39.

289,623. LUCKY CIRCLE. Registered Dec. 1, 1931. Sklaroff Brothers. Renewed Dec. 1, 1951, to Sklaroff Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Hosiery Class 39.

289,656. "NATION-WIDE" AND DRAWING. Registered Dec. 1, 1931. E. C. Hall Company, also doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass., and Augusta, Maine. Renewed Dec. 1, 1951, to E. C. Hall Company, also doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass., a corporation of Massachusetts. Baking-Powder, Bleach Water, and Salt. Class 46.

289,699. "THIRSTY FIBRE" AND DRAWING. Registered Dec. 1, 1931. Scott Paper Company, Chester, Pa., a corporation of Pennsylvania. Renewed Dec. 1, 1951. Tissue, Creped, and Absorbent Papers. Class 37.

289,719. CRESOPHAN. Registered Dec. 1, 1931. Harold H. Fries. Renewed Dec. 1, 1951, to Fries Bros., Inc., New York, N. Y., a corporation of New Jersey. Antiseptic and Disinfectant. Class 18.

290,021. GLYDAG. Registered Dec. 22, 1931. Acheson Oildag Company. Renewed Dec. 22, 1951, to Acheson Colloids Corporation, Port Huron, Mich., a corporation of Michigan. Mixtures or Compounds Consisting of or Containing Glycerine and Colloidal Graphite for Various Uses in the Industrial Arts. Class 6.

290,028. "URINEX" AND DESIGN. Registered Dec. 22, 1931. G. H. Hyland, doing business as Hyland's Home Health Service. Renewed Dec. 22, 1951, to The Knox Company, Los Angeles, Calif., a copartnership. Kidney Diuretic. Class 18.

290,221. AQUADAG. Registered Dec. 22, 1931. Acheson Oildag Company. Renewed Dec. 22, 1951, to Acheson Colloids Corporation, Port Huron, Mich., a corporation of Michigan. Colloidal Graphited Water for Various Uses in the Industrial Arts. Class 6.

290,222. OILDAG. Registered Dec. 22, 1931. Acheson Oildag Company. Renewed Dec. 22, 1951, to Acheson Colloids Corporation, Port Huron, Mich., a corporation of Michigan. Colloidal Graphited Oil for Various Uses in the Industrial Arts. Class 6.

290,271. HAJISHAH. Registered Dec. 29, 1931. Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 29, 1951. Textile Rugs and Carpets. Class 42.

290,362. "MARKSET". Registered Jan. 5, 1932. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Jan. 5, 1952. Marking Ink. Class 11.

290,422. TRITON. Registered Jan. 5, 1932. Edwin F. M. Speidel, doing business as Automatic Gold Chain Company. Renewed Jan. 5, 1952, to Speidel Corporation, Providence, R. I., a corporation of Rhode Island. Jewelry for Personal Wear or Adornment, Not Including Watches. Class 28.

290,475. "H-R" WITHIN HEXAGONAL DESIGN. Registered Jan. 5, 1932. Holland-Rantos Co., Inc., New York, N. Y., a corporation of New York. Renewed Jan. 5, 1952. Vaginal Diaphragms. Class 44.

290,813. THRILL. Registered Jan. 19, 1932. The Formfit Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 19, 1952. Corsets, Corset Waists, Brassières, Etc. Class 39.

290,814. NURSECRAFT. Registered Jan. 19, 1932. Nursecraft, Inc. Renewed Jan. 19, 1952, to Nursecraft Inc., New York, N. Y., a corporation of New York. Shoes, Caps, Capes, Coats, Aprons, and Uniforms for Nurses. Class 39.

290,847. "MYLIN" ETC. AND DRAWING LINED FOR VIOLET AND YELLOW. Registered Jan. 19, 1932. Mitlin Chemical Corporation. Renewed Jan. 19, 1952, to Mitlin Chemical Company, Philadelphia, Pa., a corporation of Pennsylvania. Uterine Sedative. Class 18.

290,857. WĪDSTRŌK. Registered Jan. 19, 1932. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Jan. 19, 1952. Crayons. Class 37.

290,861. NAVAL AFFAIRS. Registered Jan. 19, 1932. Fleet Reserve Association, Washington, D. C., a corporation of Pennsylvania. Renewed Jan. 19, 1952. Periodicals. Class 38.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

240,430. BUON GUSTO. Registered Mar. 27, 1928. A. Merlino & Sons, Seattle, Wash. Canned Tomatoes, Tomato Sauce, Canned Peas, Canned Beans, Etc. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946, to that area of the United States lying west of the Mississippi River but including all of the States of Minnesota and Louisiana, by order of the Commissioner dated Oct. 16, 1951, following decision on Concurrent Use Proceeding No. 56, *Joseph G. Pieri, deceased, John J. Pieri, Executor of the Estate* v. *A. Merlino & Sons* (*Angelo Merlino, renewant*).

342,678. FIELDCREST. Registered Jan. 26, 1937. Marshall Field & Company, Chicago, Ill. Women's and Children's Dresses, Coats, Sweaters, Underwear (of Both Woven and Knitted Material), Hosiery and Gloves of Leather and/or Fabric. Class 39. Amended as follows: In the statement, column 1, lines 4 and 5, "222 North Bank Drive" is deleted and *25 East Washington Street* is inserted in lieu thereof; lines 7, 8, 9, 10, and 11, the description of goods is deleted and *WOMEN'S HOSIERY* is inserted in lieu thereof; column 2, lines 1, 2, 3, 4, and 5 are deleted and *The trade-mark is applied or affixed to the goods by imprinting the same on the boxes, wraps and bands in which the goods is offered for sale* is inserted in lieu thereof; the last paragraph is deleted; and the drawing is amended to appear as follows—

Fieldcrest

345,511. ROOSTER. Registered Apr. 27, 1937. Sperry Flour Company, San Francisco, Calif. Flour, Particularly Wheat Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946, to that area of the United States excluding the area comprising Colorado, New Mexico, Texas, Oklahoma, Missouri, Arkansas, Kansas, and Nebraska, by order of the Commissioner dated Oct. 19, 1951, following decision on Concurrent Use Proceeding No. 63, *The Colorado Milling & Elevator Co.* v. *Sperry Flour Company.*

397,048. "EARLY AMERICAN" AND DESIGN. Registered Aug. 18, 1942. Cresca Company, Incorporated, New York, N. Y. Blueberry and Lemon Marmalade, Cherry and Orange Marmalade, Etc. Class 46. Amended as follows: In the statement, column 2, line 9, "New England brown bread," is deleted.

546,593. THE BENT OF TAU BETA PI. Registered Aug. 14, 1951. The Tau Beta Pi Association, Inc., Knoxville, Tenn. Periodical. Class 38. Corrected as follows: In the statement, line 11, "and the first page" should be deleted.

547,746. LADY CALVERT. Registered Sept. 11, 1951. American Jewelry Distributors, Inc., New York, N. Y. Ladies' Watches and Watch Movements. Class 27. Corrected as follows: The mark should appear as shown below instead of as in the registration—

Lady CALVERT

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

323,616. M R C O. Registered Apr. 23, 1935. Metals Refining Company. Pig Lead and Lead Alloys. Class 14. New certificate under section 7(c) issued Nov. 20, 1951, to Metals Refining Company Inc., Hammond, Ind., a corporation of Indiana.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 285,892. Registered Aug. 11, 1931. George F. Pettinos, Incorporated, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

"SONITTEP"

For Sands.
Claims use since Apr. 2, 1931.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 200,920. Registered July 14, 1925. Shawinigan Products Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

SHAWINIGAN

For Acetaldehyde and Its Polymer Paraldehyde, Acetic Acid, Acetic Anhydride, Vinyl Acetate.
Claims use since October 1920.

Reg. No. 288,412. Registered Oct. 27, 1931. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Scorol

For Compounds Used in Softening Textile Fabrics.
Claims use since Nov. 30, 1929.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 317,383. Registered Sept. 25, 1934. The Watson-Standard Co., Pittsburgh, Pa. Republished by Watson Standard Company, Pittsburgh, Pa., a corporation of Pennsylvania.

PLICOTE

For Ready Mixed Paint.
Claims use since Jan. 1, 1934.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 209,059. Registered Feb. 16, 1926. French Battery & Carbon Company, Madison, Wis. Republished by Ray-O-Vac Company, Madison, Wis., a corporation of Wisconsin.

IMPERIAL

The drawing is lined for orange.
For Dry Batteries.
Claims use since July 1, 1922.

Reg. No. 288,318. Registered Oct. 27, 1931. Western Clock Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

WESTOY

For Electrical Motors.
Claims use since Apr. 1, 1931.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 81,827. Registered May 9, 1911. Scranton Electric Construction Co., Scranton, Pa. Republished by Scranton Electric Construction Co., Scranton, Pa., a corporation of Delaware.

THE SCRANTON DRILL

For Electric Rotary Drills for Drilling Slate, Bone, Rock Salt, Gypsum, and Soft Rock.
Claims use since Jan. 1, 1894.

Reg. No. 286,717. Registered Sept. 1, 1931. Schnefel Bros., Inc., Newark, N. J. Republished by Schnefel Bros. Corporation, Newark, N. J., a corporation of New Jersey.

La Cross

For Tweezers for All Purposes Except Dental, Manicure, or Surgical Use, House Scissors, Pocket Scissors, Embroidery Scissors, Barber Scissors, Desk Sets Consisting of Scissors and Steel Letter Openers Mounted in Leather Sheaths, Letter Openers of Base Steel, and Scissors Sets.
Claims use since 1922.

Reg. No. 289,339. Registered Nov. 24, 1931. S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Lifetime

For Hand Trowels and Weeders.
Claims use since July 22, 1931.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 83,877. Registered Oct. 17, 1911. The Western Clock Manufacturing Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

baby Ben

For Clocks and Watches.
Claims use since June 2, 1910.

Reg. No. 283,942. Registered June 9, 1931. Western Clock Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

BEN FRANKLIN

For Clocks and Watches.
Claims use since Dec. 19, 1930.

Reg. No. 283,943. Registered June 9, 1931. Western Clock Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

GENERAL

For Clocks.
Claims use since Dec. 19, 1930.

Reg. No. 283,944. Registered June 9, 1931. Western Clock Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

G. T.

For Clocks and Watches.
Claims use since Dec. 19, 1930.

Reg. No. 283,945. Registered June 9, 1931. Western Clock Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

GEN-TIC

For Clocks and Watches.
Claims use since Dec. 19, 1930.

Reg. No. 283,946. Registered June 9, 1931. Western Clock Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

GENERAL TIME

For Clocks and Watches.
Claims use since Dec. 19, 1930.

Reg. No. 283,947. Registered June 9, 1931. Western Clock Company, Peru, Ill. Republished by General Time Corporation, La Salle, Ill., a corporation of Delaware.

GENTIME

For Clocks and Watches.
Claims use since Dec. 19, 1930.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 394,728. Registered Apr. 28, 1942. Garden City Plating & Mfg. Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Adda-Strip

The word "Strip" is disclaimed apart from the mark as shown.
For Lighting Reflectors for Fluorescent Lamps.
Claims use since Apr. 19, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 288,175. Registered Oct. 20, 1931. J. A. Sexauer Mfg. Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

HANDY ANDY

For Faucet Seats, Fuller Balls, Piston Packing, and Non-Metallic Gaskets, Washers, Friction Rings, Ballcock Washers, and Slip Joint Washers.
Claims use since December 1923.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 261,351. Registered Sept. 17, 1929. Spaulding-Moss Company, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

MAGNIGRAPH

For Contact Prints—Namely, Prints on Blue-Print, Van Dyke and Ozalid Papers; Prints on Photographic Paper—Namely, Photostat Prints, as Well as Other Photographic Types.
Claims use since on or about May 1, 1928.

CLASS 39

CLOTHING

Reg. No. 135,633. Registered Oct. 19, 1920. Chipman Knitting Mills, Easton, Pa. Republished by Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York.

Graceline

For Hosiery, for Men, Women, and Children.
Claims use since Feb. 24, 1920.

Reg. No. 287,189. Registered Sept. 15, 1931. E. T. Wright & Company, Inc., Rockland, Mass. Republished by E. T. Wright & Co., Inc., Rockland, Mass., a corporation of Massachusetts.

WRIGHT
Arch Preserver
SHOES

The word "Shoes" is disclaimed apart from the mark as shown.

For Men's and Boys' Leather and Canvas Boots and Shoes.

Claims use since about Apr. 15, 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 79,648. Registered Sept. 27, 1910. F. B. Chamberlain Company, St. Louis, Mo., a corporation of Illinois. Republished by registrant.

MAMMA'S

For an Article of Food Consisting of a Mixture of Ground Wheat, Ground Corn, Ground Rye, Soy Flour, Dextrose, Phosphate, Soda, and Salt, and Sold Under the Name of "Pancake Flour."

Claims use since Mar. 2, 1896.

Reg. No. 219,573. Registered Oct. 19, 1926. Universal Mills, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Super-Fat

For Poultry Feed.

Claims use since Sept. 1, 1923.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 317,749. Registered Oct. 2, 1934. J. Simon & Sons, Inc., St. Louis, Mo. Republished by Schenley Industries, Inc., New York, N. Y., a corporation of Delaware.

GOLDEN AGE

For Whiskey.

Claims use since 1921.

REISSUES

NOVEMBER 20, 1951

23,430

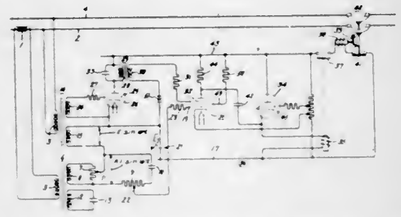
ELECTRONIC RELAY ARRANGEMENT FOR PROTECTING POWER SYSTEMS

Albert R. van C. Warrington, Staffordshire, England, assignor to General Electric Company, a corporation of New York

Original No. 2,511,680, dated June 13, 1950, Serial No. 54,533, October 14, 1948. Application for reissue June 9, 1951, Serial No. 230,829

13 Claims. (Cl. 175—294)

1. A mho relay arrangement for completing the trip circuit of a circuit interrupter in an electric power system comprising an electronic device having a control grid and a suppressor grid, means for deriving from the power system a voltage dependent on an electrical quantity of the system, means for deriving from the power system a voltage dependent on another electrical quantity of the system, means for shifting at least one of these voltages so that the two voltages are substantially 180° out-of-phase during fault conditions, means for comparing these two voltages and for supplying the resultant voltage to the control grid of said electronic device, and means for energizing the suppressor grid of said electronic device at a predetermined instant in



the cycle of the one electrical quantity to operate said device when the resultant voltage supplied to the control grid thereof is of a predetermined value.

PATENTS

GRANTED NOVEMBER 20, 1951

2,575,322
SALT BATH RECTIFIER
Edward N. Case, Philadelphia, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 19, 1948, Serial No. 61,119
11 Claims. (Cl. 252—75)

1. A salt mixture for use in preparing a salt bath, said mixture comprising 0.01–10.0% of an organo nitrogen compound of the group consisting of a guanidine hydrochloride, a guanidine phosphate, a chloro triazine, and an amino triazine hydrochloride, the remainder of said mixture being a mixture of at least two members of the group consisting of an alkali metal halide and an alkaline earth metal halide, said halide mixture containing at least 1% but less than 95% of a given halide.

2,575,323
MANUFACTURE OF ORGANOLEAD COMPOUNDS
Hymin Shapiro, Detroit, and Earl G. De Witt, Ferndale, Mich., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 9, 1950, Serial No. 200,124
3 Claims. (Cl. 260—437)

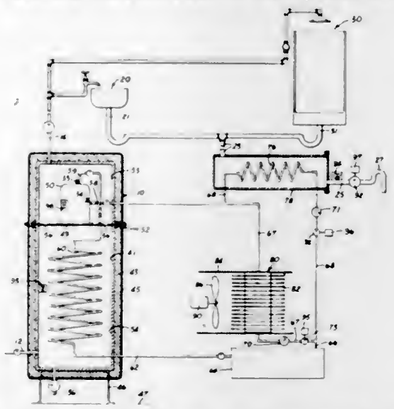
1. A process for making tetra-substituted organolead compounds comprising reacting lead with an agent selected from the class consisting of alkylating and arylating agents in the presence of an alkali metal-polycylic aromatic hydrocarbon complex, said agent having the hydrocarbon radicals in question and having a negative radical which reacts with the alkali metal in said alkali metal complex.

2,575,324
NICKEL-MAGNESIA-ZIRCONIUM SILICATE CATALYST
James H. Shapleigh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1946, Serial No. 670,839
3 Claims. (Cl. 252—457)

1. A catalyst for promoting the reaction between a hydrocarbon and steam comprising zirconium silicate, magnesia and between about 5% and about 50% of nickel.

2,575,325
HEAT PUMP SYSTEM
Eugene Russell Ambrose, Roselle Park, N. J., and Philip Sporn, New York, N. Y., assignors to American Gas and Electric Company, New York, N. Y., a corporation of New York
Application February 14, 1948, Serial No. 8,328
14 Claims. (Cl. 62—6)

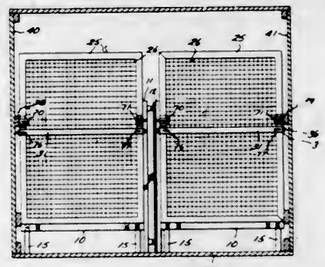
1. In a heat pump system for supplying heated water: a water heater including a container connected to a water supply for holding heated water; an apparatus having heated water inlet means connected to the water heater for utilizing the heated water and having a liquid discharge arrangement through which the water is discharged after use; a refrigerant circulating system comprising a fluid compressor means, fluid condenser means, fluid pressure reducing means and fluid evaporator means serially connected into an endless fluid circulating system arranged to pass the refrigerant fluid successively through said compressor means, said condenser means, said pressure reducing means, and said evaporator means and to return said fluid back to said compressor means; said compressor means operating to compress the fluid passing therethrough and including a compressor mounted in heat exchange relation with the water of said container for supplying thereto heat produced by the operation of said compressor means; said condenser means including a condenser structure mounted in heat exchange with the water in said container for causing compressed fluid passing therethrough to liquify and deliver



heat to the water of said container; said pressure reducing means being operative to reduce the pressure of compressed fluid passing therethrough; said evaporator means including an evaporator structure in heat exchange relation with the liquid of said discharge arrangement for permitting fluid passing through said evaporator structure to evaporate and absorb heat from the liquid discharged after use of the hot water and utilizing residual heat content of this liquid; said compressor being mounted in heat exchange relation to the water in said container for supplying thereto heat produced by the operation of said compressor; and means responsive to the temperature of the water in said container for setting said compressor into operation when the water temperature is below a predetermined level and for stopping the operation of said compressor when the water temperature is above a predetermined level.

2,575,326
SYSTEM OF FREIGHT LOADING AND HANDLING
Lucian N. Anderson, Babbitt, Nev.
Application November 19, 1947, Serial No. 786,948
1 Claim. (Cl. 105—366)

In combination, a carrier body including vertically disposed spaced parallel side walls, and a horizontally disposed bottom wall, a plurality of containers movably supported on said bottom wall, a horizontally disposed rail secured to the inner surface of each of said side walls, there being a plurality of spaced openings arranged in each of said rails, projections arranged on each of said containers and adapted to seat in the openings in said rails for preventing longitudinal shifting of said containers, and a manually operable spread-



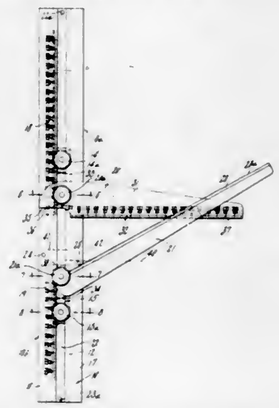
er mechanism interposed between adjacent pairs of said containers, said spreader mechanism including a pair of spaced parallel vertically disposed panels arranged in engagement with the opposed sides of said containers whereby actuation of said spreader mechanism causes simultaneous movement of said containers toward the side walls of said body to thereby cause said projections to seat in said openings.

2,575,327
CARPET SEWING MACHINE
Merwin F. Ashley, Arlington, and Edward W. Fearing, Quincy, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 23, 1948, Serial No. 3,914
48 Claims. (Cl. 112—7)



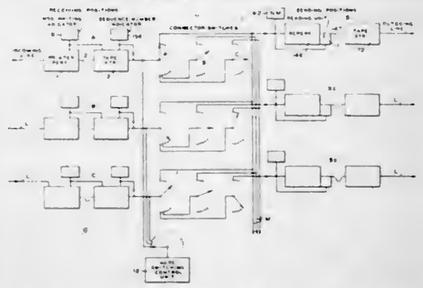
1. An ambulant machine for fastening together the edge portions of flexible sheet material disposed on a supporting surface, said machine being arranged to traverse said surface in a progressive manner and comprising a shallow base for raising the edge portions of the material operated upon from the supporting surface engaging side thereof, in combination with a complete set of fastening devices mounted wholly within said base, constructed and arranged to apply fastenings to the raised portions of sheet material concealed at the supporting surface engaging side thereof.

2,575,328
CALCULATING OR COMPUTING DEVICE
Felix Bardach, New York, N. Y.
Application December 15, 1948, Serial No. 65,361
4 Claims. (Cl. 235—61)



1. A calculating device comprising an elongated support with a runway, a first slide in said runway, a first arm swingably mounted on said first slide, first binding means on said first slide for fixing same in selected positions along said runway and for fixing said arm thereon in selected angular positions relative to said support, a second slide in said runway, a second arm swingably mounted on said second slide, second binding means on said second slide for fixing same in selected positions along said runway and for fixing said second arm thereon in selected angular positions relative to said support, spacing means on said second slide maintaining said second arm sufficiently raised above said support to clear said first arm, and stop means beside said runway projecting from an intermediate portion of said support, said stop means being of a height sufficient to arrest said first arm but insufficient to interfere with the movement of said second arm, thereby enabling said second slide to move past said intermediate portion in any angular position of said second arm.

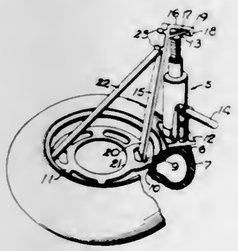
2,575,329
TELEGRAPH SWITCHING SYSTEM
William B. Blanton, Rockville Centre, and George G. Light, Scarsdale, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 2, 1949, Serial No. 108,208
15 Claims. (Cl. 178—2)



1. In a telegraph switching system, a switching office having a plurality of incoming and a

plurality of outgoing telegraph channels, means for storing messages received over any one of said incoming channels in a first storage medium, an associated second storage medium controlling transmitting means for transmitting to an associated one of said outgoing channels, means for transferring a message stored in one of said first mediums to one of said second mediums, individual indicating means associated with each one said incoming channels for automatically establishing message identifying codes and means for checking a part of the signals transferred to a second storage medium against signal representations established in said indicating means of the channel of the first storage medium from which the message is transferred.

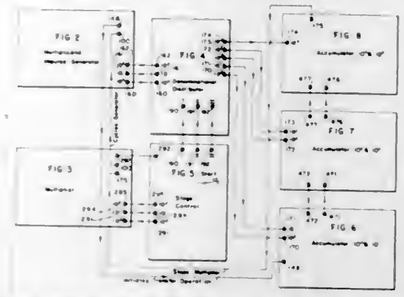
2,575,330
PORTABLE JACK ACTUATED TIRE REMOVING DEVICE
George C. Carlson, Chetek, Wis.
Application February 2, 1946, Serial No. 645,179
1 Claim. (Cl. 157—1.17)



A tool for pressing a tire laterally off from the rim of a vehicle wheel comprising an elongated bar having a lateral abutment on one end adapted to pass through the vehicle wheel within and adjacent said rim and hook around a part of the wheel, means rigid with the other end of said bar and on the same side of the latter as said first abutment providing a second lateral abutment facing toward and overlying the side of the tire on said rim, a jack engageable at opposite ends with said abutment and said tire side and extensible longitudinally to force the tire laterally off from the rim, and a rigid brace member engageable at one end with said rim and having at the other end a connection with said bar at a point between said two abutments and adjacent the second abutment, said connection acting to hold the bar against tilting relative to said wheel during extension of said jack and being placed under compression upon extension of said jack after engagement of the latter with both said abutment and said tire.

2,575,331
ELECTRONIC MULTIPLYING DEVICE
Justin S. Compton, Lebanon, and Lawrence D. Kilheffer, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 18, 1945, Serial No. 622,978
50 Claims. (Cl. 235—61)

12. A tens transfer device for an accumulator of the type which is made up of a plurality of cyclically operable denominational units operable in response to impulses to accumulate amounts and having an input conductor for each unit, the combination of a transfer electron tube for each unit; an operating potential supply circuit for each transfer tube, said circuit including means which, when the tube passes from a conducting state to a non-conducting state, gives rise to a positive potential impulse at an impulse point in the circuit; means connecting each transfer tube to its associated unit to be controlled thereby so that the transfer tube is rendered conducting once each cycle of operation of the unit; means coupling the impulse point in the transfer tube operating circuit of each transfer tube to the input conductor of another unit to form an operative chain of the units so that the extinguish-



ment of conduction in a transfer tube passes on an operation-inducing electric impulse to the next unit in the chain; an extinguishing tube for each transfer tube; and circuits connecting said extinguishing tubes to potential sources, to the associated transfer tubes, and to each other in a chain, so that, when conduction commences in the first extinguishing tube, the extinguishing tubes automatically become conducting serially one after another, extinguishing the associated transfer tubes in the same serial order if any be conducting.

2,575,332
DRILL
Harry D. Cummins, Pasadena, Calif., assignor, by mesne assignments, of sixty per cent to Thomas H. Coffey, La Crescenta, Calif., and forty per cent to William Douglas Sellers
Application June 19, 1946, Serial No. 677,707
3 Claims. (Cl. 77—67)

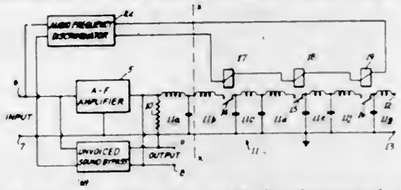


1. A drill comprising a steel shank and a metal-cutting tip of tungsten carbide, said shank and said tip being longitudinally aligned and formed with sloping abutting inner ends making single line contact, and metal reinforcements upon the opposite sides of said line of contact securing said shank and tip in welded relationship, said metal including 67% nickel, 28% copper, approximately, and minor percentages of iron, manganese and silicon.

2,575,333
NOISE SUPPRESSION CIRCUIT
Michael J. Di Toro, Brooklyn, N. Y., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application May 1, 1948, Serial No. 24,487
17 Claims. (Cl. 178—44)

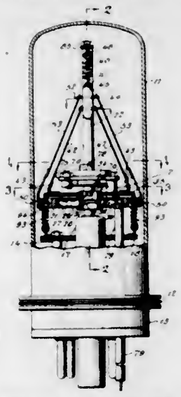
1. A device for suppressing noises accompanying a signaling wave, comprising a source of a signaling wave, filter means having a plurality of resonance peaks at a fundamental frequency and harmonics thereof to which said signaling

wave is applied, a source of control current, means for applying the signaling wave to said source to control its output responsive to the frequency spectrum of said wave, and means including said



source for varying the said fundamental frequency to follow the changes in a frequency in said frequency spectrum, which frequency is the same as, or harmonically related to, said fundamental frequency.

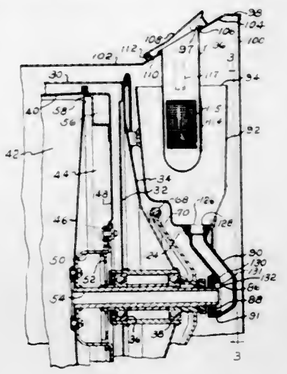
2,575,334
HIGH-FREQUENCY TUNING APPARATUS
Coleman Dodd, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 14, 1944, Serial No. 526,452
23 Claims. (Cl. 315—5)



8. High frequency apparatus comprising an evacuated envelope, a cavity resonator mounted within said envelope and having a pair of relatively movable wall portions, an insulating mounting means located within said envelope, resilient means coupled to said wall portions and said mounting means and urging said wall portions together, a flexible straight thermally expansible member interconnected between said wall portion and said mounting means and opposing said motion, further resilient means coupled to said wall portions and urging said wall portions apart, and a further flexible thermally expansible straight member interconnected between said wall portions to oppose said motion apart whereby, upon selective energization of either of said thermally expansible members, a corresponding sense of tuning of said resonator is obtained.

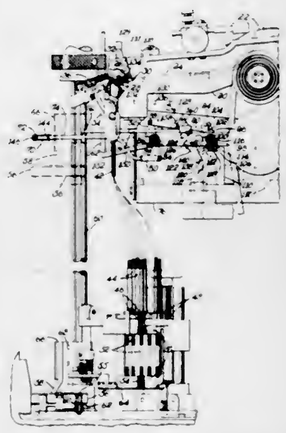
2,575,335
WASHING MACHINE
Peyton W. Douglas, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application October 16, 1948, Serial No. 54,956
11 Claims. (Cl. 68—17)

5. In combination, a bearing support member, a wash drum rotatable substantially on a horizontal axis, and having an end wall, a hollow stub shaft secured to said end wall, and extending through and journaled in said bearing support member, a hopper mounted on said bearing



support member above said shaft, and flexible conduit means connecting said hopper to the end of said hollow shaft including a seal on said shaft.

2,575,336
NAIL DISTRIBUTING AND LOADING APPARATUS
Edwin C. Eldred, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 17, 1948, Serial No. 65,849
5 Claims. (Cl. 1—39)



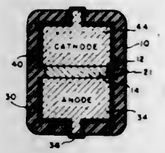
1. In a nail distributing and loading apparatus, nailways along which nails are fed, a plurality of conduits, a member for receiving nails from the nailways and transferring them to the conduits, mechanism for operating said member, and manually operated means movable to a predetermined position to render said mechanism and accordingly said member ineffective to receive nails from the nailways after said member has transferred a load of nails to the conduits.

2,575,337

SEALING DEVICE FOR DRY CELLS

Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army

Application October 2, 1950, Serial No. 188,047
3 Claims. (Cl. 136—111)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



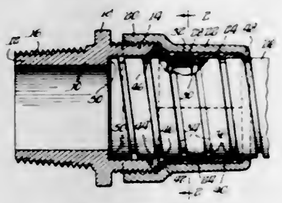
1. A leak-proof primary alkaline dry cell comprising a tubular housing of plastic material, an inwardly projecting annular flange positioned therein, an anodic element, a cathodic element, an ionically conductive barrier disposed between said elements, said elements being contained in metal cups, said metal cups having a thin layer of said plastic material firmly bonded to their outer surfaces but having exposed circuit terminals thereon, the open ends of said metal cups being compressably maintained against said flange and said barrier so as to be in intimate ionic contact with said barrier but spaced apart by the thickness of said flange, and the open ends of said housing being thermoplastically sealed to said outer surfaces.

2,575,338

COUPLING STRUCTURE

John F. P. Farrar, Maywood, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois

Application December 21, 1944, Serial No. 569,148
2 Claims. (Cl. 285—72)



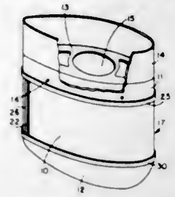
1. A coupling structure for convoluted flexible hose comprising a coupling body member including a cylindrical end portion, an interlocking sleeve including mating sections each provided with ribs interfitting with the hose convolutions, said interlocking sleeve having an outward flange portion axially opposed to the adjacent end portion of the coupling body member, an annular packing ring between the said flange portion of the interlocking sleeve and the adjacent end portion of the coupling body member and contacting the adjacent surface of the hose, a retainer sleeve overlying and confining said interlocking sleeve and including a radially inwardly extending projection for engagement with said interlocking sleeve, and means interconnecting said coupling body member with said retainer sleeve for axially tightening the same together whereby to compress the annular packing between the flange portion of said interlocking sleeve and the adjacent end portion of the coupling body member and against the adjacent periphery of the hose.

2,575,339

RUBBER DOME FOR UNDERWATER SOUND

James W. Fitzgerald, Alexandria, Va.

Application January 16, 1945, Serial No. 573,089
6 Claims. (Cl. 181—0.51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An underwater sound dome comprising a main form-sustaining grid panel element constituting vertical front and side walls of an inclosure streamlined in horizontal section, a vertical rear end-post member streamlined in horizontal section to form the rear end portion of a complete horizontal streamlined contour, rear connecting flanges connecting the ends of the side wall portions of the grid element with the end post, a top connecting flange attached to the top marginal portion of the grid element extending along the entire length of said main grid element and therebeyond into connection with the end post and the top of the rear connecting flanges and extending vertically above the grid element and rear connecting flanges, a radial connecting flange attached to the grid element near the bottom of the grid element and extending radially inwardly, a cupped bottom grid wall in the form of the lower half of a streamlined surface of revolution having an axial section contour substantially matching the horizontal section contour of said main grid element, a connecting flange attached near the rim of the cupped grid wall element and extending radially inwardly, said radial flanges being secured together to secure the cupped bottom grid element to the main grid element, a covering of sheet rubber-like material bonded to and embedding the grid elements, a horizontal top plate covering the top of the enclosure formed by the main grid element and top connecting flange, said top plate having an opening therein to provide entrance for a transducer into the interior of the dome, and a housing surrounding the opening in the top plate and extending upwardly for suspending the dome from the bottom of a ship.

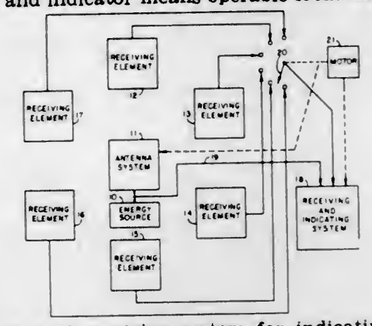
2,575,340

DETERMINATION OF GROUND CONSTANTS

Maxwell K. Goldstein, Washington, D. C.

Application March 7, 1946, Serial No. 652,748
3 Claims. (Cl. 250—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An apparatus for determining electrical characteristics of the earth's crust, comprising; means generating frequency modulated radio frequency energy, an antenna system operative to deliver the radio frequency energy thus generated to the earth's crust, a plurality of receiving elements located at various points in the earth's crust equidistant from said antenna system operative to receive part of the generated energy primarily after direct propagation through selected portions of the earth's crust, a receiving system responsive to the frequency differences between the transmitted and received signals for amplifying the received signals, switching means for connecting individually and sequentially each of said receiving elements to said receiving system, and indicator means operable from the output of said receiving system for indicating the relative rate of energy propagation through each of the selected portions of the earth's crust.

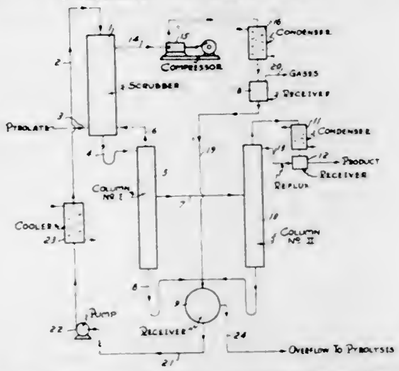


2,575,341

PROCESS FOR THE RECOVERY OF BUTADIENE FROM CYCLOHEXANE PYROLATE

Herbert A. Gollmar, Mount Lebanon, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application January 24, 1946, Serial No. 643,184
5 Claims. (Cl. 260—681.5)



1. In the manufacture of butadiene by the pyrolysis of cyclohexane the method of recovering butadiene essentially free of other products of the pyrolysis which comprises scrubbing the butadiene-containing gaseous products of the pyrolysis with an absorbent consisting essentially of a low freezing point mixture of cyclohexane and benzene, cooling and compressing the effluent gases from said scrubbing to condense any cyclohexane and benzene entrained therein, returning the condensate to the absorbent and recovering butadiene from the liquid effluent of said scrubbing.

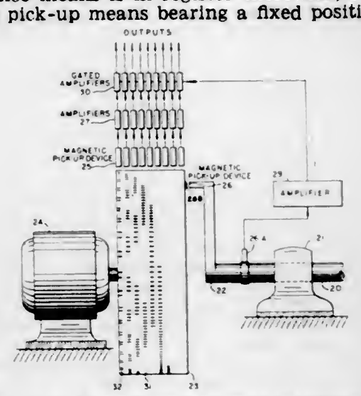
2,575,342

POSITION SENSING DEVICE

Darrin H. Gridley, Washington, D. C.

Application June 2, 1949, Serial No. 96,802
7 Claims. (Cl. 177—380)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A sensing apparatus for determining the position of a rotatable shaft comprising, a reference member containing a plurality of predeterminedly arranged signal tracks, means rotating said reference member in proximity to the rotatable shaft, first signal pick-up means affixed to the rotatable shaft at a point providing positional variation thereof with shaft rotation cooperative with at least one of the signal tracks contained on the reference means to produce a gating signal each time a selected point of the reference means is in register therewith, second signal pick-up means bearing a fixed position in



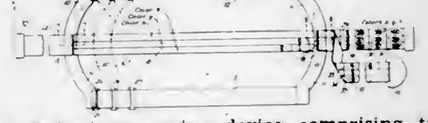
proximity to the reference means continually deriving various identifying signals from the remaining signal tracks therefrom in dependency on the position thereof, and gated amplifier means delivering said identifying signals only when a gating signal is produced by the first signal pick-up means.

2,575,343

BUST-MEASURING DEVICE

Harry Heiman, New York, N. Y., assignor of one-half to Henry M. Plehn, New York, N. Y.

Application July 8, 1948, Serial No. 37,598
10 Claims. (Cl. 33—2)



1. A bust measuring device comprising two measuring straps and a pair of yokes connecting their ends and constituting a frame, said frame being adapted to surround the bust and to lie against the surface of the chest proper and an interrupted tape measure secured on both sides of said frame whereby the girth of the chest exclusive of the protuberance of the breasts may be measured, and an auxiliary measuring tape attached to one of said yokes whereby the distance from said yoke to the other yoke may be measured over the breasts at the level of the nipples to derive an index of the amount of said protuberance.

2,575,344

DIHYDROXYPROPYL THEOPHYLLINE

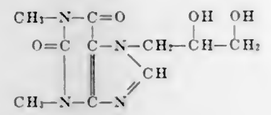
James W. Jones and Paul V. Maney, Iowa City, Iowa, assignors to the State of Iowa, for the use and benefit of the State University of Iowa, Iowa City, Iowa, an educational institution of Iowa

No Drawing. Application March 1, 1946, Serial No. 651,420
5 Claims. (Cl. 260—256)

2. The process of preparing dihydroxy-propyl theophylline which consists in first treating an

aqueous solution of theophylline with a hydroxide chosen from the group which consists of sodium hydroxide and potassium hydroxide, transforming the thus produced alkali metal compound of theophylline to dihydroxypropyl theophylline by treatment with 1-chloro-2,3 dihydroxy propane at a temperature of substantially 110° C.

3. Dihydroxypropl theophylline having the formula:

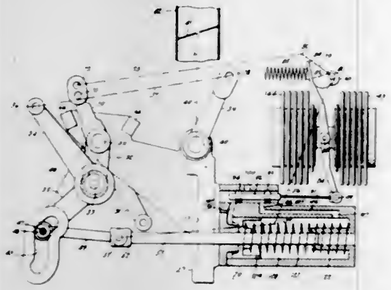


2,575,345
ENGINE CONTROLLER

Clarence H. Jorgensen, Rochester, N. Y., and William H. Taylor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Continuation of application Serial No. 483,438, April 17, 1943. This application August 24, 1945, Serial No. 612,392

24 Claims. (Cl. 123—103)



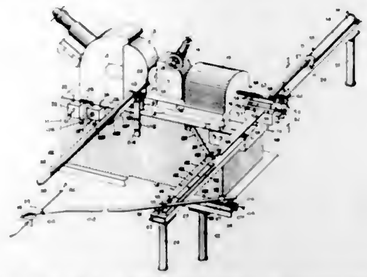
1. A throttle valve controller for supercharged internal combustion engines for aircraft, a servo-motor having a movable operating member, a variably positioned device for selecting the intake pressure to be maintained, a main control lever for operating the pressure selector and for imparting to the throttle valve an increasing opening movement as the pressure selection increases, the pressure obtainable by opening the throttle manually being less than the selected pressures, means under the control of the pressure selecting device and responsive to engine intake pressure for determining the travel of the servo-motor member necessary to locate the throttle in that position of opening required to maintain the selected pressure, the maximum travel of the servo-motor member being in excess of that required to move the throttle wide open when the pressure selections are in the major portion of the range of pressure selections required during flight, and a mechanism operated by the servo-motor member for operating the throttle and including means for transmitting from the movement of the servo-motor member that movement which is required to bring the throttle substantially to wide open position throughout the major portion of the range of pressure selections required during flight.

2,575,346
APPARATUS FOR TAPER GRINDING ELONGATED ARTICLES

Fredrick C. Julian, South Bend, Ind., assignor to South Bend Tool and Die Co., Inc., South Bend, Ind., a corporation of Indiana

Application July 29, 1950, Serial No. 176,650

5 Claims. (Cl. 51—103)



1. In a machine for contouring longitudinally the surface of an elongated article having circumferentially opposed grinding and regulating wheels defining a grinding throat therebetween through which a work piece travels for grinding in response to a feed component of the regulating wheel, the latter being mounted slidably to vary the width of the throat, the combination including: an elongated cam slidable longitudinally in a cam race in a direction parallel with the direction of travel of a work piece through the throat, the sliding movement of the regulating wheel mounting and the variation in width of the throat being responsive to the longitudinal movement of the cam; a work piece support and a work piece follower slidable along the support; means synchronously responsive to the longitudinal movement of the cam to drive the work follower along the work support; and adjustable means to drive the cam longitudinally.

2,575,347
METALLO ORGANIC COMPOUNDS

Charles A. Kumins, Brooklyn, and James R. McNesby, New York, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application July 14, 1949, Serial No. 104,818

7 Claims. (Cl. 260—414)

1. As new compounds, polymers of ferric hydroxide in which hydroxyl is substituted at least in part and not exceeding one hydroxyl group per three atoms of iron by an acid radical of the group consisting of a fatty acid having at least four carbon atoms and a naphthenic acid.

2,575,348
CREEL

Fritz Lambach, Tenafly, N. J., assignor to Robert Reiner, Inc., Weehawken, N. J.

Application February 8, 1945, Serial No. 576,764

2 Claims. (Cl. 242—131)



1. In a creel with holding means for holding a plurality of bobbins, the combination of a supporting frame, at least one tension rack including carrying means for carrying a plurality of yarn tensioning devices, said tension rack being shiftably mounted on said supporting frame for an adjustment of the distance between said holding means and said carrying means, a rod secured to said tension rack, and a plurality of arms for carrying series of electrical controlling means of a stop motion, each of said arms being adjustably mounted on said rod.

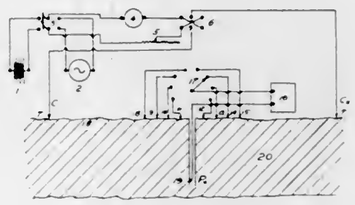
2,575,349
GEOPHYSICAL SURVEYING

Frederick W. Lee, Owings Mills, Md.

Application January 6, 1949, Serial No. 69,548

9 Claims. (Cl. 175—182)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of geophysical surveying which comprises establishing a potential contact with the earth at a center of observation, establishing at least two pairs of current contacts with the earth at the ends of current base-lines crossing one another at said center and with said current contacts remote from said center, supplying currents to said respective pairs of current contacts, adjusting said currents to produce resultant potential gradients in the earth corresponding to a phantom current base-line rotated in azimuth about said center relative to the established base-lines, and measuring the potential differences between said center potential contact and points on said phantom base-line.

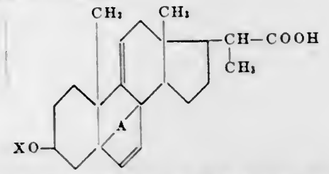
2,575,350
OZONIZATION OF ADDUCTS OF DEHYDROERGOSTERYL ESTERS

Robert H. Levin, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application December 4, 1948, Serial No. 63,613

11 Claims. (Cl. 260—239.55)

1. A compound of the group consisting of (*a*) bisnor-cholatrienic acid adducts represented by the general formula:



wherein **X** is a member of the group consisting of hydrogen, lower fatty acid acyl radicals, and phenyl-substituted lower fatty acid acyl radicals, wherein **A** is the adduct radical of a dienophile selected from the group consisting of maleic acid, maleic anhydride, and lower-alkyl diesters of maleic acid, and (*b*) lower-alkyl esters of the said bisnorcholatrienic acid adducts.

2,575,351
24-ARYL-5,23-CHOLADIENES

Robert H. Levin, A. Vern McIntosh, Jr., and George B. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application December 4, 1948, Serial No. 63,616

5 Claims. (Cl. 260—397.5)

1. A 24-monoaryl-5,23-choladiene, wherein the aryl group is selected from the class consisting of phenyl and para-anisyl.

2,575,352
PHOSPHATES OF AMYLACEOUS POLYSACCHARIDES

Rolland L. Lohmar, Jr., Morton, Ill., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application March 25, 1949, Serial No. 83,532

20 Claims. (Cl. 260—233.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

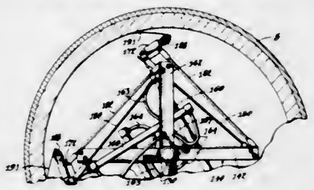
1. A method for preparing phosphorous derivatives of amylaceous polysaccharides, which results in a phosphorylated polysaccharide that is insoluble in neutral, weakly acidic, and weakly basic hot and cold aqueous media and which is resistant to swelling in hot water, comprising: treating the amylaceous polysaccharide material with a medium substantially consisting of pyridine at a temperature within the range of 50° C. to 115° C. and reacting the thus treated material with a phosphorous oxyhalide in a medium comprising dry pyridine at a temperature within the range of 40° C. to 115° C. for a period of time in excess of 15 minutes and recovering the phosphorylated product.

2,575,353
APPARATUS FOR TROWELING OR COATING THE INTERIOR SURFACE OF A CONDUIT

Warren J. MacEvoy, South Orange, N. J.

Application August 7, 1947, Serial No. 767,264

18 Claims. (Cl. 25—38)



1. Apparatus for troweling a coating on the interior surface of a conduit comprising a rotatable support, fluid actuable means pivotally supported by said rotatable support, and a trowel, said fluid actuable means operatively connected to said trowel.

2,575,354
FLEXIBLE MEASURING TAPE AND CASE THEREFOR

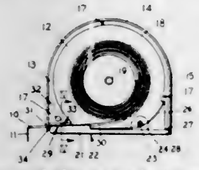
Lindley E. Mills, Kalamazoo, Mich.

Application April 18, 1949, Serial No. 88,126

6 Claims. (Cl. 33—189)

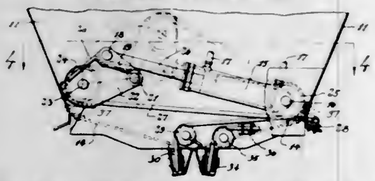
1. In a case for a coiled measuring tape having side members and front, rear and top edge members, the combination including: a pivotally mounted base member rotatable in the same plane as a coil of tape within the case; and a pair of tape-braking surfaces positioned within the

case, at least one of said surfaces being movable in response to rotation of the base member to



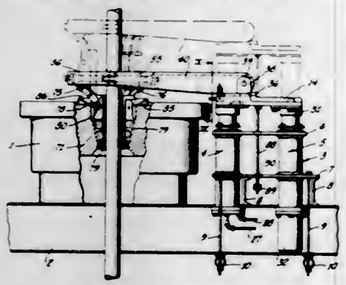
clamp a section of the tape between the surfaces and retard its longitudinal movement.

2,575,355
CLOSING MECHANISM FOR BOTTOM-DUMP WAGONS
George W. Mork, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application February 28, 1948, Serial No. 11,985
3 Claims. (Cl. 298—35)



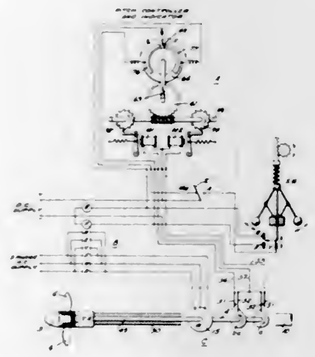
1. In a bottom-dump vehicle, having a main dirt-containing body and an outwardly-opening bottom closure therefor, the combination of: a lever pivoted on the main body; a sheave journaled on the lever at a point remote from the lever's pivot; a sheave journaled on the main body, the two sheaves being coplanar, and the lever being pivoted to swing in the plane of the two sheaves; a rope trained about the sheaves, and operatively connected to the closure, and of such length as to hold the closure closed to the main body when the lever-pivot is aligned substantially in toggle between the two sheave-axles; stop-means to limit the rotation of the lever with respect to the main body, the stop-means being so located as to engage when the lever-pivot and sheave-axles are substantially in toggle; and power means to swing the lever into stop-means-engaging position.

2,575,356
PIPE SLIP ACTUATOR
Gird E. Mullinix, South Gate, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application April 9, 1946, Serial No. 660,679
10 Claims. (Cl. 24—263)



5. A device for actuating well pipe slips comprising: a substantially horizontally extending arm, said arm being adapted to support said pipe slips adjacent its one end, said arm having at its other end a supporting connection to a vertically receiprocable actuator whereby the arm may be raised and lowered while being maintained substantially horizontal, said supporting connection including a pivotal connection between said arm and said actuator to permit vertical pivotal movement of said arm relative to said actuator; and releasable lock means for holding said arm in its substantially horizontal position.

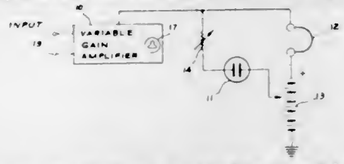
2,575,357
REMOTE CONTROL AND ANSWER-BACK SYSTEM
Harry J. Nichols, New York, N. Y.
Application September 26, 1945, Serial No. 618,643
5 Claims. (Cl. 318—31)



4. A remote control and angle indicating system comprising power means positively driving a rotatable controlled member at the controlled station, pulse transmitter means at the controlled station including a pair of positively driven rotary transmitter devices for sending uniform electrical control pulses each indicative of one or the other direction of rotation and a certain unit of rotation of said controlled member; control means for said power means including a combined automatic follow-up controller and angle indicator at a control station comprising a settable contactor member, a driven rotatable contact member, a pair of electromagnetic devices actuated by said control pulses for driving said rotatable contact member in either direction, and angle indicating means driven by said electromagnetic devices; and a pair of pulse transmission circuits each operatively connecting one of said transmitter devices to one of said electromagnetic devices, said circuits being normally open only at said transmitter means.

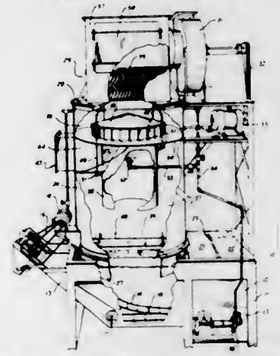
2,575,358
AUDIO LEVEL INDICATOR
Richard G. Nuckolls, Grinnell, Iowa
Application August 9, 1946, Serial No. 689,352
2 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A circuit for indicating the amplitude level of an audio frequency signal comprising, an amplifier, a voltage breakdown means connected to the output of said amplifier said last named means being arranged to conduct in response to signals having an amplitude greater than a specified amplitude, and an audio reproducing means



coupled in parallel across said last named means whereby conduction by said voltage breakdown means may be detected.

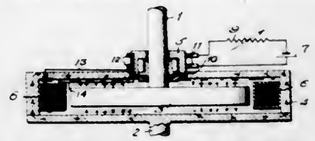
2,575,359
VERTICAL GAS SCRUBBER
Raymond C. Ortgies, Homewood, Ill., assignor to Whiting Corporation, a corporation of Illinois
Application November 23, 1949, Serial No. 129,062
11 Claims. (Cl. 183—21)



1. A gas scrubber comprising a tank having an open top, an upright cylindrical housing having a bottom edge projecting into the tank and a tangential air inlet above the tank; means for maintaining a water level in the tank above the bottom edge of the housing; the cross sectional area of the housing being less than the cross sectional area of the upper portion of the tank; a cover on the housing having an outlet; a diaphragm in the housing above the inlet, dividing the housing into upper and lower compartments; an axial tube in the lower compartment extending upwardly through the diaphragm, the lower edge of the tube being below the inlet and above the water level; a baffle in the upper compartment across the tube outlet for deflecting air flowing in the upper compartment laterally; water sprays in the tube and lower compartment for washing the walls; and means for passing air through the housing.

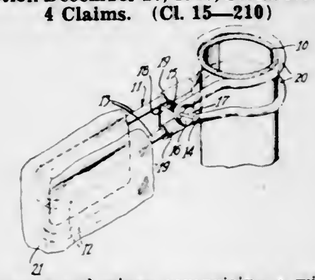
2,575,360
MAGNETIC FLUID TORQUE AND FORCE TRANSMITTING DEVICE
Jacob Rabinow, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army
Application October 31, 1947, Serial No. 783,426
24 Claims. (Cl. 192—21.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device for transmitting torque comprising two closely spaced adjacent elements, a mass of relatively movable contiguous discrete ferromagnetic particles in the space between said elements, and means for subjecting said elements and particles to a magnetic field of sufficient intensity



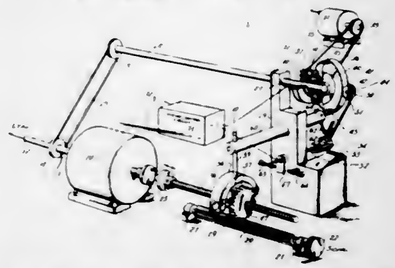
to cause such attraction between said particles and between at least some of said particles and respective ones of said elements whereby the adhesive consistency of the said mass is increased for the transmission of torque through said mass.

2,575,361
GAUGE ROD WIPER
Frank A. Reip, Brooklyn, N. Y.
Application December 17, 1947, Serial No. 792,213
4 Claims. (Cl. 15—210)



1. A gauge rod wiper comprising a wire frame formed to provide a clamp loop at one end, and extended pad supporting arms reversely bent at the free ends thereof, an absorbent pad supported on said bent ends and on the arms opposite said bent ends to provide opposed wiping faces of the pad for cleaning an article passed therebetween, a plate slidable on said arms and a screw on the plate having a head engaging said loop for adjustably clamping the loop end of the frame about a supporting structure.

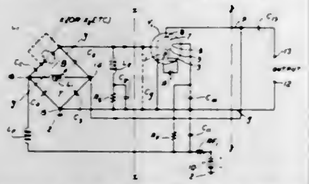
2,575,362
VARIABLE-SPEED MOTOR AND SERVO MECHANISM
Willard C. Robinette, South Pasadena, Calif.
Application January 20, 1947, Serial No. 723,178
15 Claims. (Cl. 318—31)



15. In a servo-mechanism including a servo-motor capable of running in either direction and a control circuit for operating said motor in a direction in accordance with the complete opening or firm closure of a pair of electrical contacts and for holding said motor in a zero speed con-

dition when said contacts are lightly engaged, means for controlling a load comprising a governor, means for rotating a member in one direction only, means for rotating said governor in accordance with the resultant of the sense and speed of rotation of said motor and said member, a first electrical contact on said governor, a conductive member resiliently pressed against said governor contact to follow the movement thereof, a second electrical contact opposed to said conductive member and positioned in accordance with a predetermined load condition, said contacts being connected to said motor control circuit to hold said motor in zero speed condition at the constant governor speed rotation through said conductive member, and means for limiting the movement of said conductive member in either direction.

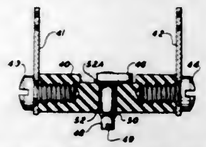
2,575,363
HARMONIC CRYSTAL OSCILLATOR
Burton H. Simons, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1949, Serial No. 126,510
17 Claims. (Cl. 250—36)



1. Harmonic crystal oscillator apparatus comprising an electronic gain device having oscillation generator electrodes comprising anode, control grid and grounded cathode electrodes, a bridge connected in circuit relation with said last-mentioned electrodes, a mechanical harmonic mode series-resonant frequency type piezoelectric crystal body disposed in one arm of said bridge in the feedback path of said gain device extending between said anode and grid electrodes thereof, a circuit including another and capacitive arm in said bridge disposed adjacent said first-mentioned bridge arm, connected at its ends in circuit between said anode and grid electrodes of said gain device and constituting means for neutralizing or balancing out the shunt capacitance disposed across said harmonic mode crystal body, a tuned tank circuit reactance means connected in shunt relation across said two adjacent arms of said bridge, disposed in said feedback path and tuned substantially to said mechanical harmonic mode series-resonant frequency of said crystal body, and discriminator reactance means disposed in circuit relation with respect to said feedback path for transmitting oscillations through said gain device at said desired harmonic mode series-resonant frequency of said crystal body while simultaneously blocking or attenuating oscillations at the undesired fundamental mode frequency thereof.

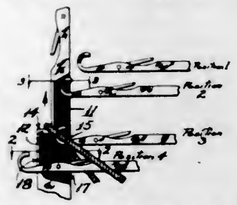
2,575,364
CAPACITOR
Robert L. Sink, Altadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application October 14, 1948, Serial No. 54,421
2 Claims. (Cl. 175—41.5)

1. A capacitor comprising an insulating body, separate electrodes extending into the confines of the body in axial alignment with one another and in fixed spacial relationship, terminal connecting means attached to the outer end of each electrode, a transverse bore through the body intermediate the electrodes, a conductive sleeve mounted in the bore, a post projecting through the sleeve and in contact therewith, a cam mounted on one end



of the post adjacent the body, the opposite end of the post being slotted to receive a screw driver, retaining means adjacent said opposite ends of the post to prevent withdrawal of the post from the sleeve and means for connecting an electrical lead to the sleeve.

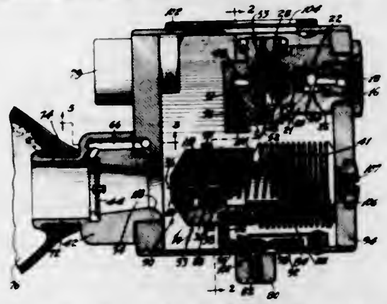
2,575,365
TRANSFER NEEDLE
Julius Sirmay, Philadelphia, Pa., assignor to The Ordnance Gauge Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 9, 1947, Serial No. 767,748
9 Claims. (Cl. 66—95)



1. A transfer-needle for two-bank knitting machines wherein stitches are transferred from needles of one bank to needles of the other bank, said transfer-needle comprising a hook-retaining recess in one side of the needle, and a hook-camming recess in the same side of the needle and adjacent to the hook-retaining recess and merging with it; the hook-retaining recess being nearer to the hook of the needle and having one surface thereof generally parallel with the side-surface of the needle and one surface thereof generally at a right angle to said side-surface, and the hook-camming recess being farther from the hook of the needle, and a loop-retaining shoulder extending laterally across the needle, in the front-edge thereof, approximately in alignment with a zone in which the hook-retaining recess merges into the hook-camming recess no portion of said needle protruding laterally beyond the planes of the side-surfaces of the shank of said needle.

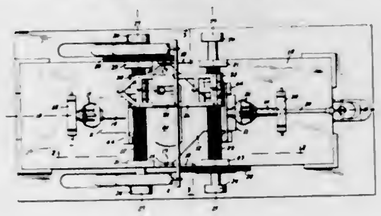
2,575,366
OXYGEN REGULATOR
Carl H. Sollmann, Montclair, N. J., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application June 7, 1946, Serial No. 675,284
13 Claims. (Cl. 128—142)

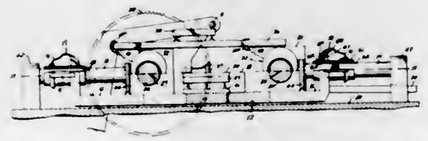
1. In breathing equipment, a respirator, means for conducting a flow of oxygen under pressure to said respirator including main valve means movable to open and close said flow conducting means, pressure responsive means for controlling said main valve means including a conduit for conducting pressure medium thereto, pilot valve means for controlling the effectiveness of the pressure medium on said pressure responsive means, means responsive to respiration for controlling the operation of said pilot valve means including conduit means connecting



said respirator to said respiration responsive means, and check valve means in said respirator responsive to exhalation to direct exhalation through said conduit means.

2,575,367
RULING ENGINE
John D. Strong, Baltimore, Md.
Application May 31, 1950, Serial No. 165,237
18 Claims. (Cl. 33—32)

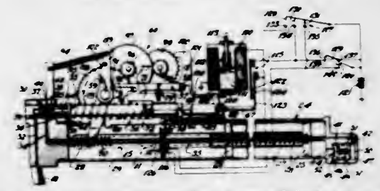




1. A ruling engine for the manufacture of diffraction gratings comprising a reciprocating carriage adapted to support a blank to be ruled, two screws journaled for rotation about parallel axes transverse to the direction of motion of the carriage, means to rotate the screws through constant increments of angle, a nut engaging each screw, and a ruling tool supported by and between the nuts.

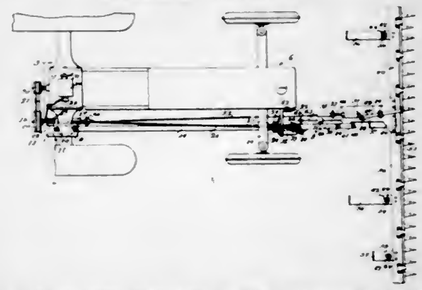
17. In a ruling engine for the manufacture of diffraction gratings including a reciprocating carriage for the support of a blank to be ruled and two cylindrical carriage-guiding ways: a bearing engaging each of the cylindrical ways adapted to guide the carriage in its motion, each of said bearings comprising a tapered sleeve adapted to fit over the cylindrical ways with a graduated clearance, said clearance being greatest at the end of the bearing which leads during the working stroke of the carriage, a ball bearing member affixed to the sleeve, a working surface on the ball bearing member conforming to a zone of a sphere coaxial with the sleeve, a socket bearing member affixed to the carriage, a working surface on the socket bearing member matching the working surface of the ball bearing member, and resilient means adapted to stress the ball and socket members together.

2,575,368
GUN CHARGER
William A. V. Thomsen, Glen Ridge, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application November 16, 1949, Serial No. 127,597
17 Claims. (Cl. 89—1)



13. In a gun charger for a machine gun or the like having a reciprocating member adapted to be moved rearwardly by the recoil of the gun and adapted to be moved forwardly by rebound and/or a spring, the combination of: fluid pressure medium operated means including a ram for engaging the reciprocating member and moving the same into its rearward position; valve means for controlling the admission of fluid pressure medium to said first means including a valve operating rod; means for latching said rod in valve closing position; control means including escapement mechanism operable to render said latch ineffective and including an element in the path of the reciprocating member for normally preventing said control means from rendering said latch ineffective responsive to engagement by the reciprocating member; and means for locking said escapement mechanism to prevent operation thereof.

2,575,369
TRACTOR MOUNTED RECIPROCATING MOWER
Walter E. Thornton-Trump, Oliver, British Columbia, Canada
Application December 29, 1948, Serial No. 67,799
5 Claims. (Cl. 56—25)



1. A mower adapted to be demountably supported on a vehicle and actuated by a power take-off shaft of a prime mover thereof, said mower including a beam extending longitudinally of the vehicle and pivotally supported at its rear end adjacent the rear end of the vehicle for vertical swinging movement, a reciprocating cutter supported by the forward end of the beam and normally disposed transversely thereof and in advance of the vehicle, driving means adapted to be driven by the power take-off for driving the sickle knife of the reciprocating cutter, and

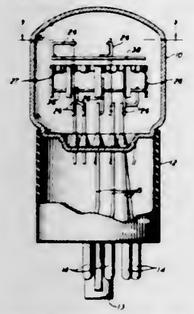
ground engaging shoes yieldably mounted beneath the reciprocating cutter for yieldably supporting said cutter in substantially a horizontal plane and at a predetermined level above the ground, said ground engaging shoes being pivotally connected at their forward ends to the cutter in longitudinally spaced relationship to one another and extending rearwardly therefrom, each of said shoes being longitudinally and downwardly bowed, and said ground engaging shoes including alternate shoes of different lengths having portions for engaging the ground disposed different distances behind the reciprocating cutter.

2,575,370

COLD CATHODE GASEOUS DISCHARGE DEVICE

Mark A. Townsend, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 25, 1949, Serial No. 101,322
34 Claims. (Cl. 313—188)



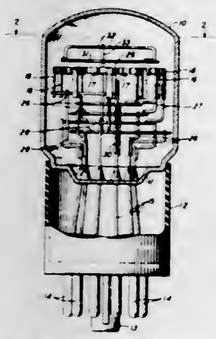
1. A gaseous discharge device comprising a plurality of cathodes each having two portions of different efficiency as glow discharge elements, the portion of greater efficiency of each cathode being opposite the next succeeding cathode and the portion of lesser efficiency being toward the next preceding cathode, and an anode opposite said cathodes.

2,575,371

COLD CATHODE GASEOUS DISCHARGE DEVICE

Mark A. Townsend, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 9, 1949, Serial No. 109,337
10 Claims. (Cl. 313—182)



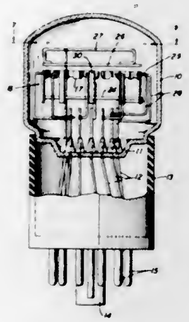
1. A gaseous discharge device comprising a plurality of cathodes each having two portions of different efficiency as glow discharge elements, said cathodes being mounted in a row with the portion of greater efficiency of each toward the portion of lower efficiency of the next succeeding cathode, an anode opposite said cathodes, means electrically connecting one group of alternate cathodes together, a plurality of auxiliary cathodes each adjacent a respective one of the other then connected cathodes, and means electrically interconnecting said auxiliary and other cathodes in accordance with a prescribed code system.

2,575,372

COLD CATHODE GASEOUS DISCHARGE DEVICE

Mark A. Townsend, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 9, 1949, Serial No. 109,338
6 Claims. (Cl. 313—182)



1. A gaseous discharge device comprising a row of cathodes, an anode opposite said cathodes, means for initiating a discharge between one of said cathodes and said anode, means for stepping the discharge from cathode to cathode along the row of cathodes, and a plurality of output electrodes each adjacent a respective one of said cathodes.

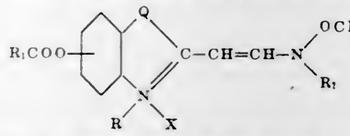
2,575,373

ACYLOXY POLYMETHINE DYE INTERMEDIATES

Earl Van Lare and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 30, 1949, Serial No. 119,008
14 Claims. (Cl. 260—240.8)

1. The acyloxy dye intermediates which are represented by the following general formula:



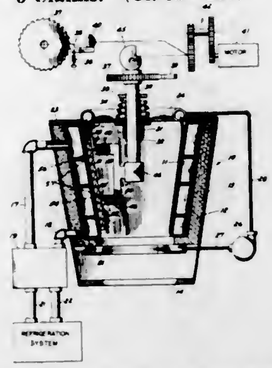
wherein R represents an alkyl group, R_1 represents an alkyl group, R_2 represents an aryl group, Q represents a member selected from the group consisting of an oxygen atom, a sulfur atom, a selenium atom and a vinylene group and X represents an anion.

2,575,374

ICE-MAKING MACHINE

Edward C. Walsh, Oak Ridge, Tenn., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware

Application May 24, 1947, Serial No. 750,296
5 Claims. (Cl. 62—107)



3. In ice making apparatus, the combination of, means forming a freezing surface which is a frustum of a cone, liquid-supply means to supply liquid to said surface whereby a thin layer of ice is formed thereon, means to remove the ice comprising an elongated cutter positioned parallel to said surface and substantially transversely of the edges thereof, a blade extending lengthwise of said cutter and a plurality of transverse blades extending transversely thereof adapted to cut the ice into a plurality of separate pieces.

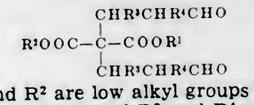
2,575,375

DIALDEHYDO COMPOUNDS

Donald T. Warner and Owen A. Moe, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware

No Drawing. Application October 21, 1949, Serial No. 122,849
9 Claims. (Cl. 260—483)

1. Dialdehydo compounds having the following formula



where R^1 and R^2 are low alkyl groups containing 1 to 4 carbon atoms, and R^3 and R^4 are selected from the group consisting of hydrogen and methyl.

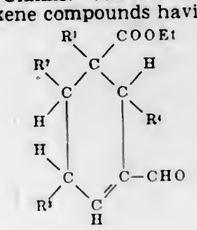
2,575,376

FORMYL CYCLOHEXENE NITRILES AND ESTERS

Donald T. Warner and Owen A. Moe, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware

No Drawing. Application October 21, 1949, Serial No. 122,850
3 Claims. (Cl. 260—464)

1. Cyclohexene compounds having the formula



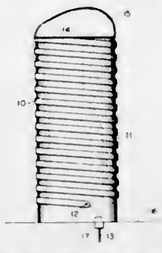
in which R^1 is selected from the group consisting of CN and COOEt, R^2, R^3 and R^4 are selected from the group consisting of hydrogen and methyl, and R^2 and R^3 are not both methyl, and R^2 and R^4 are hydrogen when R^1 is CN.

2,575,377

SHORT WAVE ANTENNA

Robert J. Wohl, United States Navy

Application November 13, 1945, Serial No. 628,337
5 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



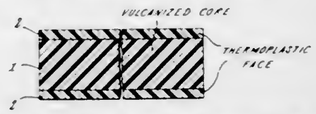
1. A quarter wave resonant antenna for transmission or reception of short wave radio energy comprising a conductor in the form of a helix having adjacent turns spaced by an amount substantially equal to the conductor width, the longitudinal dimension of said helix being less than the wave length of the operating wave, the transverse dimension of the helix being a fraction of said longitudinal dimension, the conductor having a broad, thin cross-section, and a cap shaped conductor connected to one end of said helical conductor.

2,575,378

DIE CUTTING BLOCK

Byron W. Bender, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

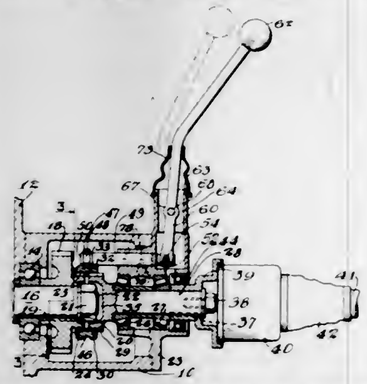
Application January 8, 1948, Serial No. 1,248
2 Claims. (Cl. 164—58)



1. A cutting block having a cutting tool-engaging face composed of a thermoplastic unvulcanized homogeneous composition of which the principal components are a rubbery interpolymer of butadiene and acrylonitrile and a hard normally inelastic resinous thermoplastic interpolymer of from 65 to 80 percent of styrene, from 20 to 35 percent of acrylonitrile and from 0 to 15 percent of butadiene in relative proportions of from 20 to 50 percent by weight of said rubbery interpolymer and correspondingly from 80 to 50 percent by weight of said resinous interpolymer, and an underlying core composed of a vulcanized homogeneous composition of which the principal components are a rubbery interpolymer of butadiene and acrylonitrile and a hard normally inelastic resinous thermoplastic interpolymer of from 65 to 80 percent of styrene, from 20 to 35 percent of acrylonitrile and from 0 to 15 percent of butadiene in relative proportions of from 30 to 60 percent by weight of said rubbery interpolymer and correspondingly from

70 to 40 percent by weight of said resinous interpolymer, said cutting tool-engaging face and said core being coalesced at the interface therebetween, said cutting tool-engaging face being refinishable by pressing against a heated surface and said underlying core minimizing any tendency toward warping and bowing.

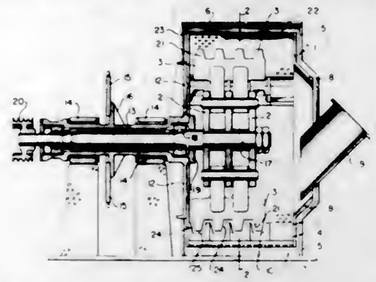
2,575,379
CONTROL LEVER MOUNTED ON THREADED PIVOT
Walter F. Benning, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application November 24, 1944, Serial No. 564,985
3 Claims. (Cl. 192—519)



1. Means for pivotally mounting intermediate its handle and motion-transmitting ends a control lever for mechanism occupying a housing having a hollow neck through which the motion-transmitting end of said lever extends into operative relation with said mechanism, said means including a side wall of said neck which is formed with a transversely-extending, threaded opening and said lever being formed with an aligned threaded opening, and a fulcrum element having a threaded shank and a head by which said shank may be turned, said shank being threaded through the aligned threaded openings in said side wall and lever to an extent determined by said head and said side wall and providing a fixed support upon which said lever may be rocked, the threads in the opening through said lever and the threads on said shank cooperating to permit limited angular movement of said lever on said shank while holding said lever in predetermined spaced relation with respect to the side walls of said neck.

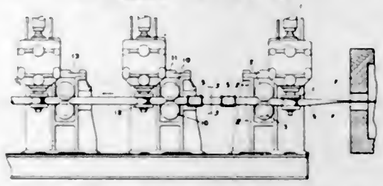
2,575,380
CRUSHER MILL
George W. Borton, Philadelphia, Pa., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application December 8, 1949, Serial No. 131,747
3 Claims. (Cl. 241—85)

1. A rotary crusher mill comprising a drum rotatable around a horizontal axis and having opposite heads, a rotor having pivoted hammers within the drum, a separate screen forming the periphery of the drum between said heads, shelf means within said drum comprising strips connecting the drum heads and provided with a plurality of longitudinal series of projections directed inward from said screen and separated from each other by intervening spaces, radially extending edges on the hammers of said rotor passing between and interacting with said projections, means driving said drum and rotor in opposite directions at different speeds to pass said edges through said spaces between said projections so



as to fracture material by downward hammer blows in said spaces during the lifting of said material by said shelf means, and means discharging the fragments passing through the peripheral screen.

2,575,381
METHOD OF AND APPARATUS FOR CONTINUOUS WELDING OF PIPES AND TUBES
Irving A. Colby, Hubbard, Ohio, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application April 1, 1949, Serial No. 84,782
4 Claims. (Cl. 219—6)

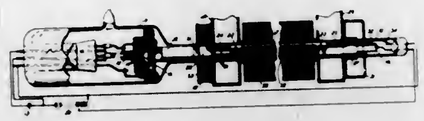


1. The method of continuously producing welded pipe which comprises passing a continuous strip of skelp progressively through a heating chamber maintained at a temperature sufficient only to raise the skelp to forming temperature, then while the skelp is substantially at that temperature progressively converting it to substantially cylindrical form with its juxtaposed edges in predetermined spaced relation, subjecting the hot formed-up skelp to the action of a high frequency electrical field to raise its said edges at least to welding temperature, and substantially simultaneously therewith forcing said edges together to produce a longitudinally continuous welded seam.

2,575,382
FIBER LUBRICANT COMPOSITION
Marshall Duke and Conrad Hohing, Jr., Morristown, N. J., and Boyd L. Shaffer, Cumberland, Md., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application December 21, 1949, Serial No. 134,352
2 Claims. (Cl. 252—8.8)

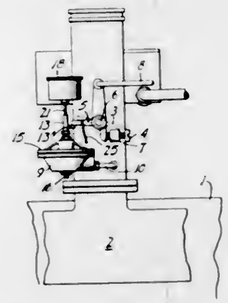
1. A lubricating and conditioning composition consisting essentially of a mixture of 5 to 15 parts by weight of the primary ester of phosphoric acid with n-decanol, 10 to 30 parts by weight of the diethanolamine-ethyl ester of lauric acid, 1.5 to 4.0 parts by weight of the diethyl-cyclohexylamine and 1.5 to 4.0 parts by weight of diamyl phenol blended into 50 to 70 parts by weight of mineral oil.

2,575,383
HIGH-FREQUENCY AMPLIFYING DEVICE
Lester M. Field, Palo Alto, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 704,918
20 Claims. (Cl. 315—39)



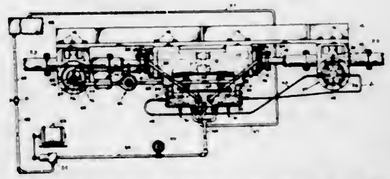
1. In a wave amplifying device, an evacuated container, a transmission path capable of guiding high frequency electrical waves, said transmission path comprising a conductor in the form of an elongated helix, means to impress waves to be amplified upon an input end of said transmission path to permit travel of the waves along said path, electrode means to direct an electron stream through the field region of said transmission path in the direction of wave travel, means to abstract amplified waves from an output end of said transmission path, and supporting means for said helix comprising a plurality of members extending along the surface of said helix and disposed between said helix and said container, said members being of an electrically resistive material for introducing a high frequency loss into said transmission path.

2,575,384
THROTTLE CONTROL FOR MOTOR VEHICLE ENGINES
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 1, 1949, Serial No. 102,597
2 Claims. (Cl. 123—103)



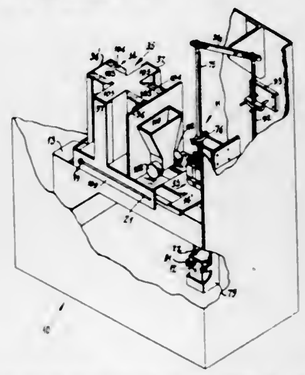
1. A carburetor throttle valve arranged in a fuel intake, means responsive to the intake suction normally for holding the valve closed during engine idling, means normally counteracted by said first means and operable to open the throttle valve when the engine tends to stall, and a fluid dashpot means acting to retard the closing of the valve following its operation by said second means.

2,575,385
DRIVE FOR TRAVERSE MECHANISM
Joseph L. Killoran, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware
Application July 4, 1945, Serial No. 603,157
19 Claims. (Cl. 242—43.3)



1. A drive for a traverse mechanism of a textile machine, comprising a sprocket operatively connected to the traverse mechanism for applying a reciprocatory movement thereto, means including a fluid operated piston mechanically connected to said sprocket for rotating said sprocket, means for supplying fluid under pressure for moving said piston, and means, including a pneumatically operated valve, for controlling the flow of fluid to said piston.

2,575,386
CUP FORMING AND DISPENSING MECHANISM FOR BEVERAGE VENDING MACHINES
Julius H. King, New York, N. Y.
Application June 20, 1950, Serial No. 169,159
6 Claims. (Cl. 93—36.05)



1. In a beverage vending machine, mechanism for forming drinking cups having pouring lips, comprising a base upon which a plurality of die-cut and pre-glued flat cup blanks are supported in vertically stacked relation, said base having an opening, engaging and feeding mechanism for said cup blanks mounted below said base, said feeding mechanism having eccentric cam portions positioned to extend slightly above said base through said opening, said eccentric cam portions contacting the lower blank of said stack for feeding one blank at a time laterally of said stack, a water tank supported on said base and having water-absorbing rollers mounted on said shaft for transferring moisture to said blank, the lower surfaces of said rollers being positioned to contact said lower blank when said blank is fed thereunder for moistening the glue on said blank, a male die comprising two relatively movable members spring-pressed from each other, means for guiding said blank for movement to said male die, said eccentric feeding mechanism being

adapted to feed said moistened blank into registry with said male die, a female die, said base having a downwardly bevelled opening communicating with said female die, each of said cup blanks having two pre-glued flaps and two non-glued sides, means for moving said male die and said registering cup blank downwardly into said female die to form said cup, the spring-pressure between said male die members causing said pre-glued and moistened flaps of said cup to adhere to the non-glued sides of said cup, said pouring lips acting as strippers for stripping said cup from said male die, means for raising said male die into non-operating position above said base while said blank feeding mechanism feeds another blank into registry with said dies and means for lowering said male die when said blank is moved into registry with said dies while said blank feeding mechanism is at rest.

2,575,387
PARACHUTE
Helmuth Kluglein and Theobald Kluglein, Valley Stream, N. Y.
Application January 29, 1951, Serial No. 208,364
3 Claims. (Cl. 244—152)



1. A parachute comprising the combination of a canopy having a set of shroud lines connected with its peripheral edge, a rope having its upper end connected with the canopy at the center thereof so as to hang downwardly when the canopy is open in the air, said rope having a loop on its lower end, a load carrier secured to the lower end of the loop, and a device comprising a slider housing connected with the lower ends of the shroud lines and slidably engaged with said loop, and manually operable means on the housing connected with the loop for releasably coupling the rope and housing, said rope when uncoupled from the housing enabling deformation of the canopy so as to decelerate the descent of the parachute.

2,575,388
ELECTRICAL RECTIFIERS
Vernon K. Kofron, St. Louis, Mo., assignor, by mesne assignments, to Vickers, Incorporated, a corporation of Michigan
No Drawing. Application January 6, 1947, Serial No. 720,479
12 Claims. (Cl. 175—366)

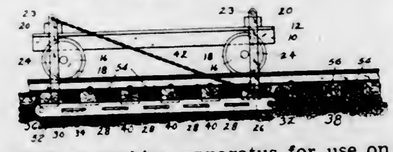
1. An electropositive element that can be assembled with an electronegative element to form an electrical rectifier, and that comprises a magnesium element and a uniform, high-electrical-resistivity coating of elemental selenium thereon, said selenium coating having any openings therein filled with magnesium chromate.

2,575,389
SINGLE UNIT HYDRAULIC CHECK
Frank C. Lornitzo, Pawtucket, R. I., assignor to Pantex Manufacturing Corporation, Central Falls, R. I., a corporation of Delaware
Application June 2, 1949, Serial No. 96,646
5 Claims. (Cl. 188—97)



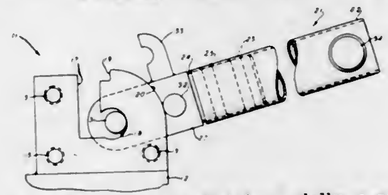
1. A hydraulic check for a member moving alternately in opposite directions, comprising a reservoir mounted against axial movement, having a cylindrical inner wall and annular valve seats adjacent each end thereof and reservoir extensions beyond said valve seats, a cylinder of such small diameter as to provide annular axial passage means between the outer wall thereof and the inner cylindrical wall of the reservoir connected respectively to said reservoir extensions, of a length to reciprocate at least a short distance to be alternately in contact with an opposite valve seat, having hollow end closures forming valve means in each end thereof and providing axial passage means from the center of said cylinder leading to each respective reservoir extension, closable on contact with a respective valve seat to stop the passage of fluid to its reservoir extension and having radial passage means intermediate the ends thereof, a piston head reciprocal in said cylinder, operable to also reciprocate said cylinder to bring an end thereof against a respective valve seat, a piston rod connected to said piston head projecting upwardly through said upper cylinder valve and reservoir valve seat and extending through the upper end of said reservoir and having its upper end operatively connectable to said moving member, the lower end of the reservoir having a reducing by-pass line of progressively decreasing effective area operable when the piston head passes below said radial passage means to provide a less rapid fluid flow, providing a progressively increasing cushioning effect on said movable member as it nears the end of its stroke in one direction, the upper end of said reservoir having a reducing by-pass line connected to the axial passage means between said cylinder and reservoir, operable when the piston head passes above said radial passage means to provide a less rapid fluid flow, providing a cushioning effect for the end of the stroke of the movable member in the opposite direction, said lower reducing by-pass comprising a cylindrical wall projecting upwardly from the lower end of the reservoir forming an outer annular reservoir extension connected to said axial passage means between said reservoir and cylinder and a central well, said wall having radial passage means connecting said reservoir extension with said well, with the upper end of said cylindrical wall forming the lower valve seat, and in which the radial hole in the cylindrical wall in the lower end of the reservoir has an adjustable needle valve extending therein to provide the reducing by-pass line for the lower end of the reservoir.

2,575,390
METHOD AND APPARATUS FOR WORKING RAILROAD BALLAST
John H. McFadden, Maplewood, Mo.
Application August 26, 1946, Serial No. 693,096
13 Claims. (Cl. 104—2)



1. Ballast-working apparatus for use on railroad track wherein said track has had ballast distributed therealong, wherein said track has been jacked up to the desired level, and wherein the ballast under the jack ties has been tamped, such apparatus comprising a ballast-working grid which has a plurality of spaced ballast-working surfaces that are adapted to extend transversely of said railroad track and to be positioned below the ties of said track, a wheeled device that is adapted to roll along said track, and spacing elements which extend between said grid and said wheeled device to normally maintain said grid in vertically spaced relation below said wheeled device, said spacing elements being dimensioned to maintain said grid below and wholly out of contact with the ties of said track whenever said grid, said wheeled device and said spacing elements are assembled together and whenever said wheeled device is on said track.

2,575,391
DETACHABLE HANDLE AND SOCKET FOR A DOLLY
Emil E. Mellstrup, Winston-Salem, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 2, 1948, Serial No. 42,113
6 Claims. (Cl. 16—114)



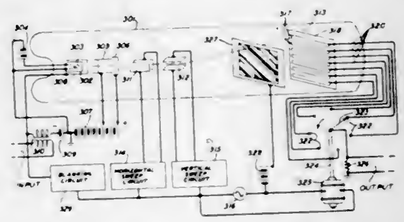
1. In a handle and socket for a dolly, a socket member secured to the dolly having an arcuate slot and an arcuate surface concentric with the slot, a handle, a pair of spaced projecting pins secured in tandem on the lower portion of the handle for engagement with the said arcuate slot and arcuate surface of the socket member, one of said pins contacting the surface of the slot and another of said pins simultaneously contacting the arcuate surface to hold the handle in operative engagement with the socket, and means to secure the handle in a substantially vertical position after it has been rotated in the socket to its off the floor rest position.

2,575,392
METHOD OF ANNEALING A SELENIUM COATING
Carl E. Peters, University City, and David W. Rau, Kirkwood, Mo., assignors to Vickers, Incorporated, a corporation of Michigan
Application December 11, 1947, Serial No. 791,108
2 Claims. (Cl. 117—65)



1. The method of annealing a coating of selenium to render the size of the selenium crystals in said coating more uniform, as by reducing the size of larger crystals, that comprises heating said selenium coating above the melting point of selenium to a temperature between two hundred eighteen degrees centigrade and two hundred nineteen and seven tenths degrees centigrade, maintaining said selenium coating at said temperature for a period of from nine to five minutes, and cooling said selenium coating to provide recrystallization of the melted portions of said selenium coating.

2,575,393
ELECTRON BEAM TUBE FILTER
Liss C. Peterson, Chatham, and Ralph K. Potter, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 27, 1947, Serial No. 731,232
17 Claims. (Cl. 178—44)



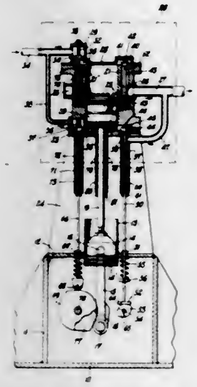
1. In combination, an energy ray device comprising a ray-energized, charge-storing target, means for continually sweeping the ray across said target, means for concurrently varying the strength of said ray under the control of the varying instantaneous amplitude of an applied signal, a multiplicity of output connections for receiving electrical charges from said target, said output connections being individual to different time increments within each of a succession of time intervals of predetermined length, a common output circuit coupled to receive energy from said multiplicity of output connections in continually repeated succession, and means including a multiplicity of separate charge-storing target elements whereby the said energy received by said common output circuit from any said output connection is a multiplied function of a predetermined weighting function and the varying instantaneous amplitude of the applied signal integrated over a preceding time interval of the said predetermined length.

2,575,394

RECIPROCATING PISTON AND CYLINDER MECHANISM

Philip K. Rice, Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application December 27, 1944, Serial No. 569,971
11 Claims. (Cl. 309—2)



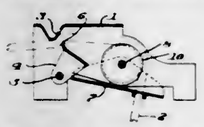
5. An engine for the expansion of gas to produce refrigeration comprising a double acting cylinder having an inner wall of smooth hard material, a piston operable therein having annular ring grooves, at least one such groove being close to one end and at least another such groove being close to the other end of said piston; sealing rings fitted in said grooves said rings comprising a laminated plastic; heads closing said cylinder; a piston rod passing through one of said heads and operatively secured to said piston, said rod having a hard metal surface; an elongated housing extending from said one head around the rod; a rod packing at the outer end of said housing; a long guide sleeve of solid self-lubricating material between said rod and said housing and between said packing and said one head, said guide sleeve being at least as long as the stroke of the piston and rod.

2,575,395

CORD LOCK FOR VENETIAN BLINDS

Harry S. Rosenbaum, Baltimore, Md.

Application September 13, 1948, Serial No. 49,043
1 Claim. (Cl. 24—134)



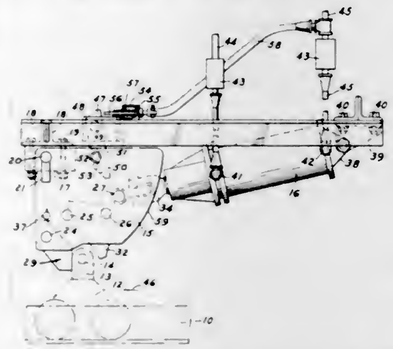
A cord lock for Venetian blinds having a hollow head rail through which blind raising and lowering cords pass in a generally horizontal direction, said lock comprising an elongated inverted U-shaped housing adapted to be inserted in a horizontal position within the head rail, a projection in the top of the housing extending downwardly from the housing, a pulley rotatably mounted on a shaft in the housing and over which said cords pass and then extend downwardly, a cord locking dog pivotally mounted at one of its ends in the housing and adapted on rotation to engage the cords with its free end and press them against the projection, an elongated lever U-shaped in cross section, pivotally mounted adjacent the center of its sides on the same shaft as said pulley with its base extending in a horizontal plane below said pulley, one end of the base extending under and supporting the free end of said locking dog when the dog is not in cord engaging position, the other end of said base extending beyond the periphery of said pulley on the side of the pulley opposite from the locking dog and having an aperture positioned along a vertical tangent to the pulley through which the vertically extending portions of the cords pass, whereby a pull at an angle to the vertical but generally parallel to the blind on the vertically extending portions of the cords will rotate the lever causing it to turn the locking dog against the cords to engage them and press them against the projection, and whereby upon release of the vertical portions of the cord the lever will rotate away from the dog in its cord locking position.

2,575,396

TROLLEY PROPELLING DEVICE FOR CONVEYER SYSTEMS

Adelbert J. Schenk, Huntington Woods, Mich., assignor to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan

Application November 24, 1948, Serial No. 61,856
20 Claims. (Cl. 104—162)



1. In combination with a conveyor track, a pusher member pivotally mounted to overlie such track and engage a trolley supported thereby in at least one position of said pusher member, means for actuating said pusher member to produce movement of said trolley along said track, latch means normally opposing movement of said pusher member mounted adjacent thereto, and means whereby said latch means will be withdrawn from opposing position upon movement of said actuating means.

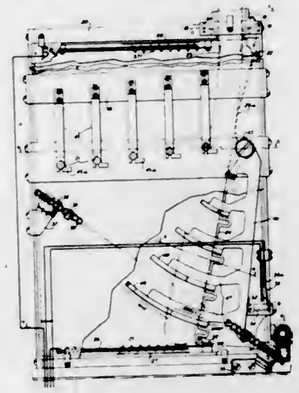
2,575,397

TAPE STORAGE MECHANISM

James W. Schmied, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 2, 1946, Serial No. 658,931
16 Claims. (Cl. 271—2.1)

1. In combination, a receptacle having a single opening through which tape in the form of a loop is supplied and from which it may be intermittently and entirely withdrawn, and a feeding mechanism for feeding tape into said receptacle, in combination with mechanism for conforming tape supplied to said receptacle to folds and for storing them in said receptacle in an orderly and systematic arrangement, one fold at a time upon each operation of said fold conforming and storing mechanism, driving means for causing said fold conforming and storing mechanism to operate to store a fold, and control means for causing operation of said driving means after the feeding into said receptacle of a quantity of tape equivalent to one fold under control of said feeding mechanism.

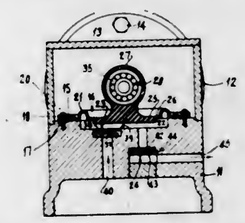


2,575,398

DIAPHRAGM PUMP

John Schroeder, New York, N. Y.

Application September 26, 1949, Serial No. 117,755
1 Claim. (Cl. 103—152)



In a diaphragm pump, a valve head having a cavity, a one-piece molded diaphragm made of synthetic rubber and having an outer flange mounted on said valve head, said diaphragm being in spaced-apart relation from the bottom surface of said cavity, a rigid annular member clamping said flange to said valve head, said diaphragm comprising a rigid inner disk-like member having an apertured upright portion, said diaphragm having a hollow flexible annular rib connecting said outer flange and said rigid inner disk-like member, a rotatable shaft, an eccentric member carried by said shaft, said upright portion having a hollow rubber housing in which said eccentric member is mounted, thereby forming a two-way drive-member-actuated diaphragm pump, inlet and outlet valves mounted in said valve head, rotation of said eccentric member, causing said rigid inner disk-like member to move in one direction to expel the air from said cavity and to move in the opposite direction to return said diaphragm and cause said inlet valve to refill said cavity with air, said flexible annular connecting rib serving to absorb the thrust caused by the motion of said inner rigid member by said eccentric member.

2,575,399

TEXTILE LUBRICANT

George W. Seymour, Maplewood, N. J., and Marshall Duke, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 7, 1948, Serial No. 53,377
2 Claims. (Cl. 252—8.8)

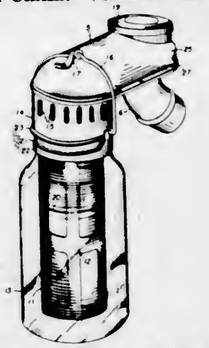
1. A lubricating and conditioning composition consisting essentially of a mixture of 5 to 15 parts by weight of the primary ester of phosphoric acid with n-decanol, 10 to 30 parts by weight of the diethanolamino-ethyl ester of lauric acid, 1 to 4 parts by weight of triethanolamine and 1 to 4 parts by weight of diamyl phenol blended into 50 to 70 parts by weight of mineral oil.

2,575,400

CRANKCASE BREATHER AND OIL FILLER PIPE ASSEMBLY

William C. Shirk, Julius A. Jacobsen, Charles H. Shirk, and Raymond C. Jacobsen, Sioux Falls, S. Dak.

Application May 26, 1947, Serial No. 750,604
1 Claim. (Cl. 183—15)



In an assembly of the type described, a hollow body having a depending bottom nipple at one end adapted to be telescopically assembled to the oil filler nipple of an engine crankcase, a depending open ended tube carried by the other end of and communicating with said body, said tube having an imperforate upper portion and provided at its lower portion with a strainer screen, a tubular strainer screen carried by and depending from the bottom of said body in spaced concentric and surrounding relation to said tube and its strainer screen, a cap secured on the bottom of said body and having a cylindrical wall disposed in spaced concentric and surrounding relation to the upper portion of said tubular strainer screen and provided with openings in its upper portion, an oil containing member attached to said body, said tube and tubular screen extending into and adjacent the bottom of said oil containing member.

2,575,401

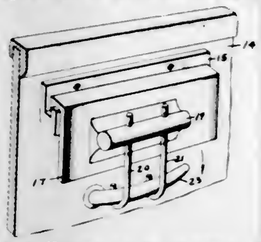
SAFETY LOCK DEVICE

Granville Tom Simmons, Richmond, Va.

Application September 23, 1949, Serial No. 117,300
2 Claims. (Cl. 70—211)

2. In a device of the character described the combination consisting of a bracket provided with a trough and adapted to be secured to a door of an automobile in close proximity to an automobile door handle; an apron having one of its ends provided with a trough and adapted for registration with said first named trough; a lock secured to said apron and provided with apertures into which are adapted for respective disposition a

pair of bars having a hook on each of their ends; said bars adapted to be secured in said lock and



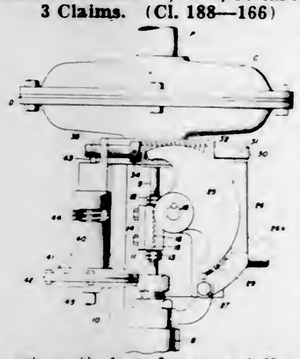
engage said handle so as to prevent the latter from actuation in the direction required to open said door.

2,575,402

AUTOMATIC STEM LOCK FOR DIAPHRAGM VALVES

Emanuel Wolff, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 27, 1948, Serial No. 62,285
3 Claims. (Cl. 188—166)



1. An automatic lock for an axially reciprocable valve stem comprising a brake drum, means interconnecting the drum with the stem for oscillation in correspondence to the movements thereof, means adapted by frictional engagement with the drum to immobilize the drum including a brake shoe and yielding means operable to apply the shoe to the drum, a detent normally restraining said yielding means from applying the shoe, second yielding means normally urging the detent out of restraining relation with the first yielding means, and fluid pressure responsive means normally opposing the urge of the second yielding means but operative on reduction below a predetermined value of the fluid pressure supplied thereto to release said means to retract the detent and thereby release the first yielding means to apply the shoe to the drum.

2,575,403

CATALYTIC HYDROGENATION OF ACETOPHENONE TO PHENYL METHYL CARBINOL

Donald M. Young, Frank G. Young, Jr., and Howard R. Guest, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Original application October 14, 1943, Serial No. 506,214, now Patent No. 2,544,771, dated March 13, 1951. Divided and this application June 14, 1947, Serial No. 754,770
5 Claims. (Cl. 260—618)

1. The improvement of the art of hydrogenating acetophenone which consists in producing phenyl methyl carbinol to the substantial exclusion of ethyl benzene or other side reaction products by carrying out the hydrogenation under a hydrogen pressure of about 50 to 200 pounds per square inch, gage, and a temperature of about 120° to 200° C. in the presence of a catalytic amount of a copper-chromium mixed oxides hydrogenation catalyst in which chromium is present in a ratio computed on a metal basis, from about 7 to 25 parts of chromium per 100 parts of copper by weight.

2,575,404

CATALYTIC HYDROGENATION OF ACETOPHENONE TO PHENYL METHYL CARBINOL

Howard R. Guest and Raymond W. McNamee, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Original application August 7, 1944, Serial No. 548,510. Divided and this application April 26, 1949, Serial No. 89,794
6 Claims. (Cl. 260—618)

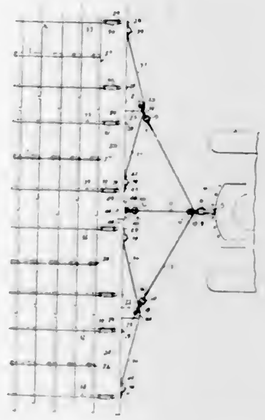
1. A method for producing phenyl methyl carbinol by reduction of acetophenone which comprises introducing hydrogen into acetophenone under a pressure of at least 50 p. si. i. and at a temperature of at least 125° C. in the presence of a catalytic amount of an iron-copper-chromium mixed oxides hydrogenation catalyst in which copper and chromium are present in a ratio computed on a metal basis, by weight, of about 71 to 109 parts of copper and about 8 to 17 parts of chromium per 100 parts of iron, said catalyst, upon activation, being characterized by being magnetic and by exhibiting lines corresponding to magnetic oxide of iron, Fe_3O_4; cuprous oxide, Cu_2O; and copper in diffraction patterns obtained by cobalt radiation.

2,575,405

DRAG HARROW HITCH

Herbert E. Blehm, Dorrance, Kans.

Application April 22, 1949, Serial No. 88,963
2 Claims. (Cl. 280—33.44)



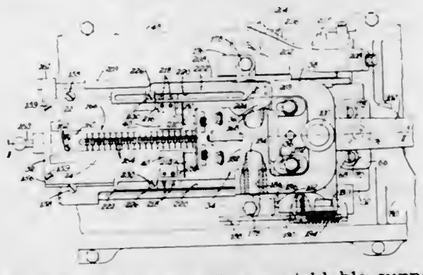
2. A drag harrow assembly comprising a pair of hitch bars arranged in end to end confronting spaced relation, a hollow connecting member arranged longitudinally of and between the confronting ends of said hitch bars and loosely and embracingly receiving the confronting ends of said hitch bars, a plurality of spaced connecting members extending rearwardly of each of said hitch bars and adapted for connection to one or more harrows, a hitching yoke arranged exteriorly of said connecting member and secured to the latter intermediate its ends, a hitching lug extending rigidly forwardly of each of said hitch bars intermediate the ends of the latter, a first cable having one end attached to said hitching yoke, a ring member on the other end of said cable for attachment to the rear end of a tractor, a second cable extending through said ring member and having one end secured to the adjacent one of said lugs and having the other end secured to the adjacent other of said lugs, and a truss rod arranged longitudinally and forwardly of each of said hitch bars and connected at its mid-portion to the forward portion of the adjacent lug with each of its ends connected to the adjacent hitch bar.

2,575,406

BREAST LEAF SPLITTING MACHINE

Robert L. Bradley, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 21, 1949, Serial No. 100,371
15 Claims. (Cl. 12—16.5)



4. In a splitting machine, a yieldable support for a work piece having margins, portions of which are beveled, bowed leaf springs which are slidingly mounted upon the support and are interposed between the support and opposite lateral margins of the work piece on said support, a presser member and a knife, and means for moving the presser member, the knife and the leaf springs in predetermined paths along the work piece, which is mounted upon the support and is depressed by said presser member and is braced by said springs, to split material from said work piece.

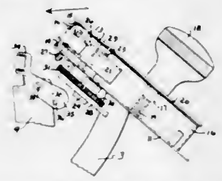
2,575,407

TAPE FEEDING AND SEVERING MECHANISM FOR MARKING MACHINES

Philip N. Braun, Syracuse, N. Y.

Application May 18, 1948, Serial No. 27,685
2 Claims. (Cl. 164—42)

1. A tape feeding mechanism for machines of the class described, said mechanism comprising a frame, a shiftable carrier on the frame having a forward and rearward movement, a platen carried by the carrier, a tape supply also supported by the carrier in the rear of the platen, the outer length of the tape extending across the platen, a feed wheel mounted on the carrier and engaging the tape at one end of the platen between the platen and the tape supply, and actuating means for the feed wheel comprising a star wheel mounted on the carrier, gearing between the star wheel and the feed wheel, a pawl pivoted to the frame and having an end located in the path of an arm of the star wheel, and means on the frame to shift the pawl out of said path during forward movement of the carrier, the pawl having



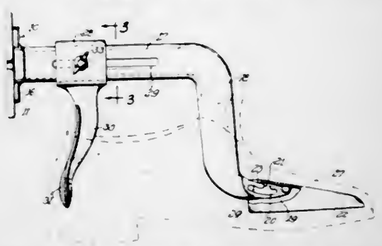
means for returning it to starting position in the path of an arm of the star wheel during rearward movement of the carrier, a stop for limiting the pivotal movement of the pawl when the pawl is in the path of the arm of the star wheel during rearward movement of the carrier so that the pawl engages an arm of the star wheel and turns the ratchet wheel about its axis to actuate the feed wheel.

2,575,408

SHOE HOLDER AND STRETCHER

Harry Chester, Chicago, Ill.

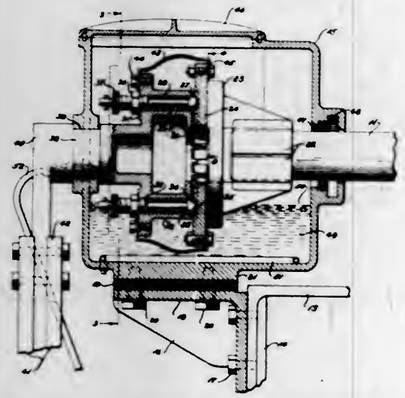
Application March 25, 1948, Serial No. 17,082
1 Claim. (Cl. 12—128)



A shoe holder of the wall-mounting type comprising a last-supporting arm and a stretcher arm, the last-supporting arm in its operative position including a horizontal arm portion of U-shape in transverse section and embodying a vertical side wall and upper and lower parallel flanges projecting from the upper and lower edges of the side wall in the same direction, the inner surface of said side wall being plane and the outer surface thereof being arched outwardly between the flanges whereby the said side wall is of maximum thickness adjacent the horizontal center line thereof, and an elongated slot in said wall portion of maximum thickness and in symmetrical relation to said line, said stretcher arm having a head of U-shape in transverse section and embodying a vertically disposed side wall and upper and lower parallel flanges projecting from the upper and lower edges of the side wall in the same direction, said last side wall having its inner surface outwardly arched in conformity with the outwardly arched surface of the first side wall and the outer surface of said last side wall being also outwardly arched, the arched inner surface of the side wall of the head slidably engaging the outwardly arched side wall of the arm portion and the inner surfaces of the flanges of the head slidably engaging the outer surfaces of the flanges of the arm portion, an aperture in the side wall of the head, a binding bolt extending through said

slot and said aperture and provided with a relatively large head having a flat inner wall engageable with said plane inner surface of said arm portion wall, and a thumb nut on said bolt engageable with the outer arched wall surface of said head.

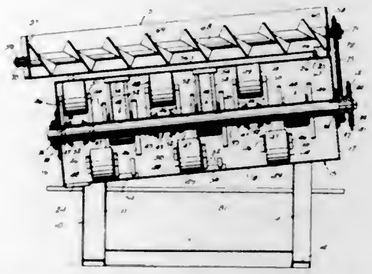
2,575,409
CURRENT COLLECTOR FOR ELECTRO-PLATING APPARATUS
William B. Cooper and Paul A. Burgemeister, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 30, 1948, Serial No. 36,106
6 Claims. (Cl. 173—324)



1. A collector device for electrodeposition apparatus, comprising a housing, a collector roll shaft extending into said housing and mounted for rotation, a conductor member having a ring contact carried by said shaft within the housing, a ring member fixed against rotation and carrying radial contacts adapted to be engaged by said conductor member in its rotation on said shaft, a conductor block supported in said housing and carrying said fixed member, means constantly urging said radial contacts toward said conductor member to thereby assure continuous engagement between the fixed contacts and the rotating conductor member, said means being carried by said block and including spring-pressed pins having heads which are normally urged into engagement with said radial contacts, said block having a conductor projection extending through a wall of said housing, and an electrical connection to said projection, whereby current is passed through said shaft to its roll for imparting a charge to a strip passing over the roll during electroplating.

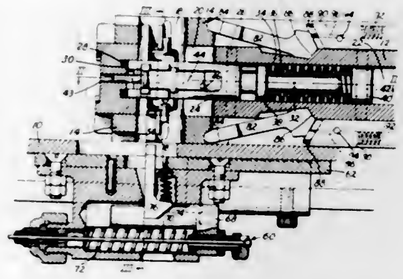
2,575,410
MIXING MACHINE
James A. Davis, Topeka, Kans., assignor to Economy Building Block Machine Co. Inc., Topeka, Kans., a corporation of Kansas
Application January 20, 1950, Serial No. 139,566
4 Claims. (Cl. 259—9)

1. A mixing machine comprising a base, a closed drum arranged longitudinally of said base and mounted on said base for movement from a horizontal position to a position at an angle with respect to the horizontal, a longitudinally extending shaft positioned within said drum and rotatably supported thereon, one end of said shaft projecting out of said drum, a longitudinally extending housing circumposed about said shaft and fixedly secured thereto, a plurality of transversely disposed spring supports positioned in staggered spaced relation about and along said housing and each having one end secured to the latter, a longitudinally disposed roller rotatably supported in the other end of each of said supports and engageable with the inner surface of



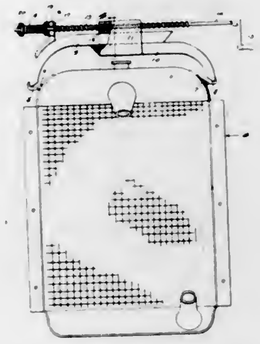
said drum, the respective rollers being of a length such that the rotative paths of travel of longitudinally adjacent rollers partially overlap each other, said drum being provided with an inlet for the introduction of the material to be mixed and an outlet for the discharge of the mixed material, and means operatively connected to the projecting end of said shaft for effecting rotation of said shaft.

2,575,411
FIRING MECHANISM FOR USE WITH A GUN SYNCHRONIZER
Paul H. Dixon, Springfield, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 9, 1946, Serial No. 702,129
2 Claims. (Cl. 89—133)



1. In an automatic gun constructed and arranged to operate in synchronism with the propeller shaft of aircraft and to move in recoil and counterrecoil, a reciprocating breech bolt having a bore, a firing pin support secured in the bore of the breech bolt, a firing pin mounted for movement between cocked and firing positions in the support, springs for moving the firing pin to its firing position, breech block slides guided for movement on the breech bolt during the recoil and counterrecoil of the gun, a key joined to the breech block slides and engageable with the firing pin to move the firing pin to its cocked position against the action of the firing pin springs during recoil of the gun, a sear movably mounted in the firing pin support, a sear spring mounted in the breech bolt in engagement with the sear and tending to move the sear to lock the firing pin in its cocked position, a sear tripping member mounted to rock in the slide key, and a power operated sear slide movable in the slide key to rock the sear tripping member when the gun is in battery.

2,575,412
AUTO RADIATOR HANGER CLAMP
Harry B. Fechter, Minneapolis, Minn.
Application March 22, 1948, Serial No. 16,322
1 Claim. (Cl. 254—100)

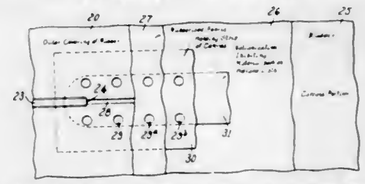


A radiator hanger clamp comprising upper and lower arms slidable longitudinally with respect to each other, jaws at the free ends of the arms adapted to hook into ears of a radiator hanger, connecting the clamp to the hanger, a guide block mounted on the lower arms and having a horizontal bore extending therethrough into which the upper arm slides, said guide block having a threaded bore extending therethrough in parallel relation with said horizontal bore, a lug having an opening, rising from the upper arm, the opening of the lug aligning with said threaded bore of the guide block, a threaded shaft operating in the threaded bore of the guide block and being loosely mounted in the opening of said lug, one end of said threaded shaft extending beyond said lug, a cup secured to the end of said threaded shaft, spaced from the lug, a spring on the shaft resting in the cap with one end engaging the lug, whereby rotation of the threaded shaft in one direction tensions the spring and directs pressure on the lug, moving the arms towards each other, and said spring compensating for movement of the threaded shaft beyond a predetermined point.

2,575,413
SOLDERING FLUX
William Benjamin Franklin, San Fernando, Calif., assignor to Joseph J. White, Los Angeles, Calif.
No Drawing. Application October 17, 1949, Serial No. 121,888
2 Claims. (Cl. 148—25)

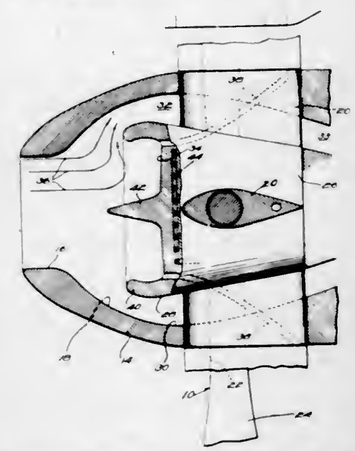
1. A substantially water-free, flexible, non-corrosive, non-hygroscopic flux for pre-coating sheet or ribbon solder, consisting essentially of the product formed by melting together a mixture of about 1 part rosin, about 1 part of a higher fatty acid, and about 0.4 part of a wax having a melting point of about 160° F. to 200° F.

2,575,414
MOLDED ATHLETIC BALL WITH LACING GRIP
Arthur R. Gow, Hamden, and Cornelius J. Crowley, New Haven, Conn., assignors to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Application October 26, 1946, Serial No. 705,938
10 Claims. (Cl. 273—65)



1. An athletic ball having a valve-equipped inflatable carcass whose wall is continuous except for the valve area, a covering layer applied to the carcass and providing the external ball surface, and a removable lacing provided for hand-grip purposes threaded in place in the cover in a location remote from the valve.

2,575,415
DUCTED SPINNER INLET
Theodore E. Grimac, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 15, 1948, Serial No. 54,735
4 Claims. (Cl. 170—135.743)



3. A ducted spinner for an aircraft propeller comprising a propeller hub located centrally of the spinner and spaced therefrom in predetermined relation therewith, said spinner and hub forming an annular passage, an air inlet in said spinner spaced upstream of said hub and communicating with said annular passage, means carried by said hub for turning the flow of air from said inlet into said annular passage to centrifugally remove foreign matter from the air including a recess on the upstream end of said hub having an area substantially the same as said inlet, said recess having defining edges forming protrusions directed in an upstream direction for retaining the foreign matter, and passage means communicating with said recess and externally of said spinner for discharging the foreign matter accumulating in said recess.

2,575,416
HANDLE-ACTUATED BLIND RIVETING TOOL
James Norman Henshaw, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 7, 1950, Serial No. 188,930
In Great Britain January 27, 1950
9 Claims. (Cl. 218—19)



1. A tool for installing a two-part rivet comprising a body having an anvil for bracing one part of the rivet, gripping mechanism movable relatively to the body for retracting the second part of the rivet from the anvil, an element connected to said mechanism and movably mounted on the body, a spring, means for shifting said element with respect to the body and against compression of the spring, means for locking the element in shifted position to hold the spring compressed, and a trigger for releasing the element whereby said gripping mechanism is actuated by the energized spring.

2,575,417
STRAW CUTTING MECHANISM FOR STRAW MANUFACTURING MACHINES
Albert Aba Heyman, Baltimore, Md., assignor to Joseph Shapiro, Baltimore, Md.
Original application January 24, 1947, Serial No. 723,985. Divided and this application October 29, 1947, Serial No. 782,931. In Great Britain April 14, 1947
2 Claims. (Cl. 164—42)



1. In a spirally-wound-tube-making machine wherein a continuous tube is formed and fed to a cutting mechanism, the improvement which includes a guide through which said continuous tube is passed, and a cutting mechanism operatively associated with said guide, said cutting mechanism including a rotatable crank shaft having a crank, a pivotally and longitudinally slidable arm having one extremity connected to said crank and having a knife blade at its other extremity, the pivot being located at a place between said guide and said crank shaft whereby the knife blade moves past the outlet of said guide at its time of greatest speed.

2,575,418
TURN SIGNAL FOR VEHICLES
J. D. Jackson, Eloy, Ariz.
Application December 2, 1949, Serial No. 130,697
2 Claims. (Cl. 116—52)

1. A turn signal for a vehicle comprising a standard attachable to a vehicle for disposition in substantially upright position on the outside of the vehicle below the vehicle windshield, said standard having a bore extending downwardly from the upper end thereof, a post slidably received in the bore of said standard and extending upwardly from the latter, means locking said post in adjusted position relative to said standard, a bracket journaled on the upper end of said post for rotational movements about an axis substantially perpendicular to the longitudinal center line of said post, a semaphore arm secured at one end to said bracket and extending outwardly from one side of the latter, a limit stop



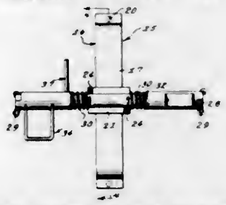
member carried by said bracket at the side thereof opposite said semaphore arm and engageable with said post to limit upward movement of said arm to a substantially vertical position, a lever arm extending radially from said bracket nearly at right angles to said semaphore arm, a shaft rotatably mountable on the instrument panel of the vehicle, a hand crank on said shaft at the outer side of the instrument panel, a lever arm secured on the opposite end of said shaft and extending radially thereof, and a link connecting said lever arms and slidably extendable through a vehicle wall.

2,575,419
MULTIPLE SWING FARM GATE
Troy J. Knight, Golden, Ill.
Application November 28, 1947, Serial No. 788,597
1 Claim. (Cl. 39—78)



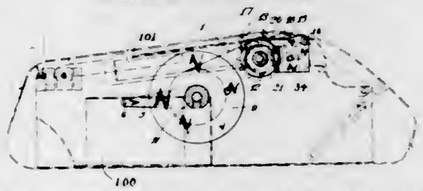
In a swingable gate, a fixed vertical post, a vertical frame pivotally secured at one end to said post for horizontal swinging movement about a vertical axis, a vertical sleeve carried by the other end of the frame, a rod journalled in said sleeve and projecting downwardly therefrom, a right angular tubular extension on the upper end of the sleeve, a medially hinged sectional gate, a pivot member projecting laterally from the upper central portion of the gate and journalled in the extension, a longitudinally slotted bracket secured to the lower central portion of the gate and receiving the lower end of the rod whereby the gate is centrally mounted on the frame for vertical swinging movement about a horizontal axis, a mounting member on said frame adjacent the fixed vertical post, a clevis carried by said member and vertically adjustable thereon, said clevis lockingly engaging one section of the gate and means for locking the other section of the gate so that the gate is locked in a closed position.

2,575,420
GATE LATCH
Troy J. Knight, Golden, Ill.
Application February 4, 1949, Serial No. 74,543
2 Claims. (Cl. 292—204)



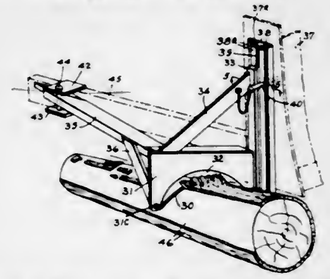
1. A latch for locking a gate to a gate post comprising a vertically disposed bracket adapted to be secured to the inner face of said post adjacent the top thereof, a rod secured transversely of said bracket and adapted to overlie said gate, a tubular member circumposed about said rod adjacent one end thereof and rotatably and slidably supported on said rod, said tubular member being provided with opposed cutouts on the end contiguous to said one end of said rod, each of said cutouts having opposed bounding walls, stop means arranged transversely of and carried by said rod adjacent said one end thereof and engageable with the opposed bounding walls of each of said cutouts on said tubular member for limiting the rotary movement of the latter, resilient means circumposed upon said rod inwardly of said tubular member and having one end fixedly secured to said rod and having the other end bearing against the other end of said tubular member for slidably urging said tubular member into engagement with said stop means, and a locking arm dependingly supported from said tubular member and movable upon rotary movement of said tubular member into abutting engagement with the face of said gate remote from said post.

2,575,421
AUTOGRAPHIC REGISTER
Frederick Edward Lanegan, London, England, assignor to W. H. Smith & Son Limited, London, England, a British company
Application August 22, 1946, Serial No. 692,303
In Great Britain December 28, 1944
1 Claim. (Cl. 282—16)



An autographic register comprising as an operative combination, a container for a supply of continuous stationery, a writing platen over a portion of the container, two pin-wheel feeding devices for engagement in marginal perforations in the stationery, and rotatable step-by-step between writing operations on the stationery to traverse the stationery over the platen and to feed the stationery to a station at which it is ejected from the register, means for supporting in relation to the container a supply of identification tape, a tape-feeding pin-wheel arranged to make feeding engagement with perforations in the tape and on rotation to draw the tape from the supply and to feed it to an ejection station, means for driving the tape-feeding and the stationery-feeding pin-wheels step-by-step in synchronism to issue tape from the register and at the same time to eject stationery from the register, means for constraining the stationery and the tape to follow separated paths in the register, a clamping bar for clamping the stationery against the top of the container during writing operations, means operable by rotation of the stationery-feeding pin-wheels for automatically lifting the bar to release the stationery during the operation of traversing the stationery and then to lower the bar, a guillotine for cutting off the identification tape ejected from the register, and a lever pivotally supported in relation to the container and platen carrying at the end of one arm the guillotine and cooperating at the end of the other arm with the clamping bar in manner such that as the bar is lowered to clamp the stationery the lever is rocked to lower the guillotine and thereby to cut off the ejected tape.

2,575,422
APPARATUS FOR PRESSING BARK-REMOVING CABLES AGAINST A PILE, POLE, OR LOG
Einer A. Laulainen, Longview, Wash.
Application September 24, 1945, Serial No. 618,195
8 Claims. (Cl. 144—208)



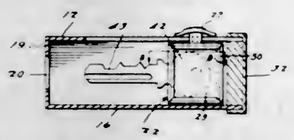
1. A pile bark-removing mechanism comprising a wire cable bark-removing member formed of strands of wire spirally disposed, cable mounting means positional during bark-removal operation transversely of a longitudinal axis of a pile and in spaced relation to an adjacent arc of the surface of said pile, said cable mounting means having cable end securing means, said cable during bark-removal operation contacting the surface of said pile adjacent said arc, the distance between said securing means being less than the length of said cable, said cable assuming an arcuate-like form while engaging the surface of a pile and said cable while in bark-removal operation lying in a plane disposed at an angle to a plane normal to the longitudinal axis of the pile and said cable momentarily rolling on its axis when engaging strongly resisting portions of the bark, and mechanical means providing relative longitudinal movement between said cable member and pile.

2,575,423
PROCESS OF MANUFACTURING STARCH SOLUTIONS
Jan Lolkema, Hoogezand, and Willem Albertus van der Meer, Haren, Netherlands, assignors to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands, a corporation of the Netherlands
No Drawing. Application November 1, 1946, Serial No. 707,321. In the Netherlands October 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 22, 1963
4 Claims. (Cl. 260—17.2)

1. A process of manufacturing formaldehyde

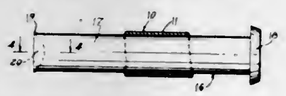
cold swelling starches, which comprises, imparting to a mixture of a starchy material of the group consisting of starch and soluble starches, and an aqueous solution of commercial formaldehyde in a proportion of at least 20%, calculated as pure formaldehyde on air dry starch, a pH of at least 7, by adding an alkaline substance and heating the mixture on a rotary drum to a temperature adapted to remove the water and to gelatinize the starchy material, while pressing out the mass under mechanical pressure to a thin layer which is simultaneously dried.

2,575,424
KEY CONTAINER
Allan D. Mitchell, Detroit, Mich.
Application April 15, 1947, Serial No. 741,629
4 Claims. (Cl. 70—456)



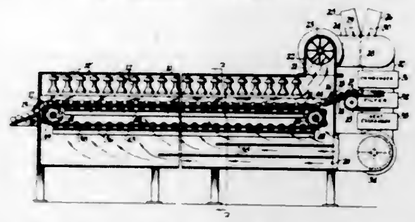
1. A key container comprising a body member having a top wall with spaced longitudinal slots extending to one end thereof, side walls and a bottom wall, an end wall at the other end of said top wall and having vertical slots therein, said slots being longitudinally aligned with the slots in the top wall, and longitudinal partitions extending from said top wall to said bottom wall parallel to said side walls to provide separate key receiving compartments in said body member, said compartments being aligned with the slots in the top and end walls, a rectangular key holder slidable in each compartment and having a button extending through the corresponding slot in said top wall to selectively move the key holders relative to the slotted end wall and project the shanks of keys housed at their butt ends in the holders, and an end closure member for the open end of said body member, each of said slots having two spaced recesses laterally associated therewith to engage the corresponding buttons and lock said key holders in key extending or key retracting positions.

2,575,425
PLASTIC HYPODERMIC SYRINGE
Harry W. Nelson, Arlington, N. J.
Application October 15, 1948, Serial No. 54,600
4 Claims. (Cl. 128—218)



1. A hypodermic syringe comprising a barrel, a plunger slidable in said barrel, and an annular outwardly and forwardly flaring skirt integral with said plunger adjacent the distal end thereof, said skirt having substantially annular line contact at its inner or free edge with the inner surface of said barrel and being spaced throughout the remainder of its length from the inner surface of said barrel, said skirt being sufficiently elastic at its inner or free end portion to be urged radially outwardly into tight sealing annular substantially line contact with the inner surface of said barrel under the pressure developed by movement of said plunger in said barrel against a body of liquid contained therein in the normal use of the syringe and to yield radially inwardly only on the entry of said plunger into said barrel.

2,575,426
METHOD OF AND APPARATUS FOR TREATING EDIBLE PRODUCE
James L. Parnell, Orlando, Fla., assignor to American Machinery Corporation, Orlando, Fla., a corporation of Florida
Application December 22, 1947, Serial No. 793,214
23 Claims. (Cl. 99—154)



1. The method of treating produce, such as whole fruits and vegetables, to kill rot-producing organisms thereon without substantially dehydrating or cooking the produce internally, which method includes rapidly elevating the temperature of the surfaces of the produce from a non-cooking temperature to a temperature of the order of about 180° F., maintaining the surface of the produce at said high temperature for a sufficient period of time to kill said organisms thereon while simultaneously subjecting the surfaces of the produce to a current of dry pre-heated air having a temperature of 100° F. to 150° F., and then immediately lowering the temperature of the surfaces of the produce to a non-cooking temperature to prevent dehydrating and cooking the produce internally.

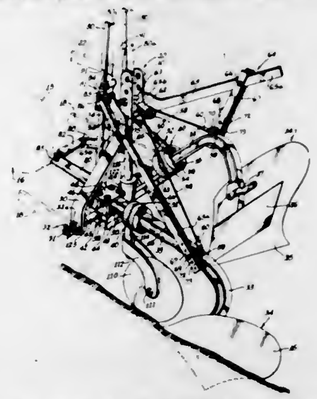
2,575,427
TREATMENT OF METALWORKING TOOLS
Edward T. Pavlock, Detroit, Mich.
No Drawing. Application July 9, 1946, Serial No. 682,285
3 Claims. (Cl. 148—14)

1. The method of case hardening a steel tool which comprises preheating the tool to a temperature of 800° F., holding the heated tool immersed for a period of about 50 minutes in a nitriding bath maintained at a temperature of from 1025° to 1050° F., cleaning the tool, packing the tool in granulated carbon, maintaining the packed tool for at least three hours in an enclosed space at a temperature near to, but below, the hardness-drawing temperature of the steel, and admitting water continuously at a regulated slow rate to such enclosed space.

2,575,428
AUTOMATIC TWO-WAY PLOW
Harry Rogers, Bakersfield, and William Fisk Mellen, Whittier, Calif.; said Mellen assignor to Alice Marian Mellen, Whittier, Calif.
Application March 12, 1945, Serial No. 582,314
22 Claims. (Cl. 97—29)

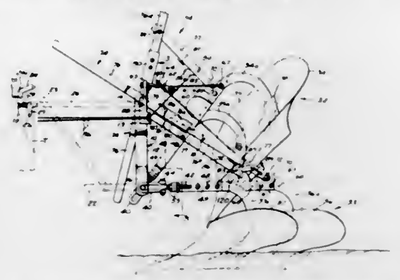
1. A combination comprising: frame means; a pair of oppositely pitched plows movably carried by said frame means and adapted to be selectively lowered and raised to and from plowing position; lifting means connected with said plows to elevate the latter; trip means relatively movable

with respect to said lifting means; and operative connections between said lifting means and both said frame means and said relatively movable trip



means, one of said connections being bodily slidable along said trip means and adapted to engage said trip means upon relative movement whereby to actuate said lifting means to raise a plow.

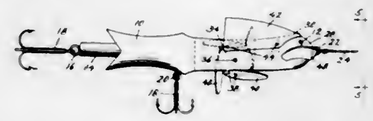
2,575,429
FOUR-BOTTOM TWO-WAY PLOW
Harry Rogers, Bakersfield, and William Fisk Mellen, Whittier, Calif; said Mellen assignor to Alice Marian Mellen, Whittier, Calif.
Application January 14, 1946, Serial No. 641,020
10 Claims. (Cl. 97—29)



1. In combination in a plowing structure: plow supporting means; oppositely pitched plows; separate frames upon which said oppositely pitched plows are respectively mounted; means mounting said frames on said supporting means and providing bearings for swinging of said plows vertically about said supporting means as an axis; and means included in said mounting and bearing means providing for tipping of said frames laterally from and toward the median vertical plane of the structure as they ascend and descend to vary alignment of the respective plows, said plows being disposed with centers of gravity laterally outward with respect to said mounting means for said frames whereby said lateral tipping is effected through the medium of gravity.

2,575,430
FISH LURE
Glen Shockey, Chicago, Ill.
Application May 2, 1946, Serial No. 666,680
3 Claims. (Cl. 43—42.06)

1. A fishing lure comprising an elongated body having a tail and head portion simulating a small fish and having an elongated slot in its forward end, gang hooks secured to the tail portion and to the lower portion of said body, an axle positioned transversely of said body and in said slot, a spherical hub mounted on said axle, blades



secured to said hub, a curved dome shaped hood secured to the top of said body and partially covering said slot, and a vane having a pair of inverted dished shaped wing-like portions secured to the forward end of said body and extending transversely thereof.

2,575,431
WAX CARRIER AND APPLICATOR FOR EMBALMERS
Donald R. Smith, Clarksburg, W. Va.
Application July 30, 1948, Serial No. 41,679
1 Claim. (Cl. 27—21)

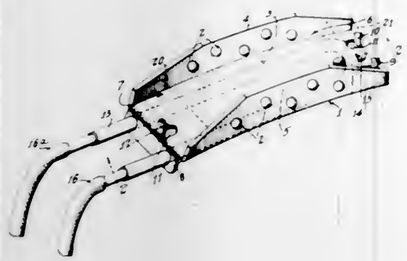


A wax carrier and applicator for embalmers comprising a hollow cylindrical storage member having an open end, an applicator base frictionally engageable in the open end of the storage member and acting as a removable closure for the said open end, a blade-like applicator integrally formed with the base and extending outwardly therefrom, the storage member forming a handle for the blade when the base is mounted therein, and a hollow cylindrical body having an open end adapted to be threaded to the open end of the storage member when the device is in assembled condition, the applicator blade being received in the said hollow body.

2,575,432
DENTAL TRAY
Morris James Thompson, Beverly Hills, Calif.
Application May 17, 1948, Serial No. 27,407
2 Claims. (Cl. 32—17)

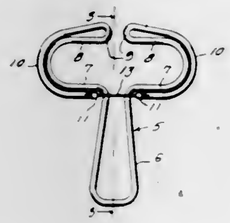
1. A tray for holding and positioning dental impression material for making an impression of teeth including a base having side flanges extending therefrom to provide a channel for the reception of the impression material, the base having formed therealong a plurality of impression material retaining ears extending into the channel, and a wax stop and dam member removably positioned at each end of the tray and normally extending across the channel held in

position by the ears, and each of said wax stop members acting to maintain the tray spaced from



the teeth and acting to dam the impression material.

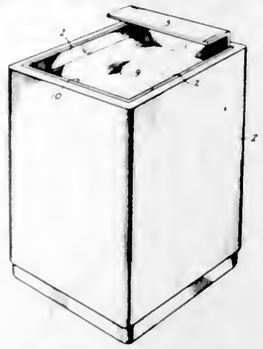
2,575,433
CALF WEANER
Henry F. Vancik, Grandview, Wash.
Application August 26, 1949, Serial No. 112,566
5 Claims. (Cl. 119—134)



3. A calf weaner formed from a single strand of wire and having outwardly bowed coplanar opposed loop portions disposed in normally spaced opposed relationship provided with corresponding normally spaced ends forming rounded nostril engaging portions each adapted to engage one of the nostrils of a calf, said strand including an elongated depending loop portion having ends merging integrally with the opposite ends of said opposed loop portions and adapted to be normally supported in a depending, substantially perpendicular position in front of the calf's mouth and for swinging movement toward and away from the mouth of the calf, the terminals of said strand projecting perpendicularly from the plane of the opposed loop portions in a direction away from the calf's mouth and being disposed adjacent the last mentioned ends of said opposed loop portions.

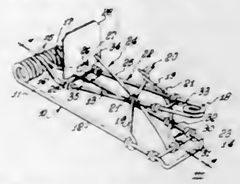
2,575,434
REFRIGERATED DISPLAY AND DISPENSING UNIT
William S. Vorwick, Seattle, and Donald W. Kennedy, Vashon Island, Wash.
Application June 13, 1949, Serial No. 98,778
3 Claims. (Cl. 62—89.6)

1. In a unit of the class described, the combination of a cold plate of box-like formation having bottom, side and end walls all of hollow construction and in open communication with each other, one of said walls being of greater height than the other walls and being turned back over said



bottom wall in spaced relation thereto for directing refrigerated air over said cold plate.

2,575,435
SELF-SETTING RODENT TRAP
George B. Wilken, Escondido, Calif.
Application November 10, 1949, Serial No. 126,505
6 Claims. (Cl. 43—91)

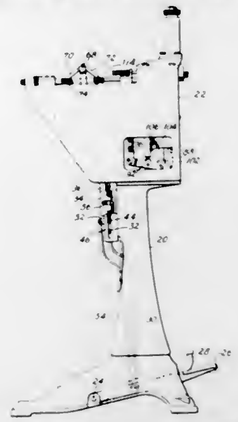


1. In a self-setting rodent trap, including a longitudinally extending base, a spring-biased actuating member carried by the base, and a trip plate hingedly connected to the actuating member, the provision of: a thumb piece formed on the free end of the actuating member; a latching lever pivotally mounted on the base beneath said free end, one end of said lever being adapted to extend into engagement with the trip plate to latch the same and releasably hold the plate in said position; spring means associated with the latching lever biasing the latter out of engagement with the trip plate; and means carried by the actuating member for contact with the latching lever adjacent its point of pivotal connection to move the latching lever into latching engagement with the trip plate when said thumb piece is depressed toward the base.

2,575,436
SHOE PRESSING MACHINE
Charles K. Woodman, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 16, 1949, Serial No. 99,391
12 Claims. (Cl. 12—51)

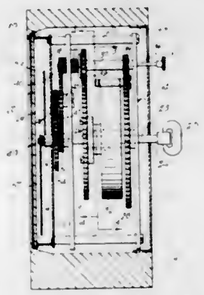
8. A machine for applying pressure to the lasted margin of the upper of a welt shoe on a last comprising, in combination, a member for engaging with the insole of the shoe, a supporting member engageable with the top of the shoe and movable heightwise of the shoe toward the insole engaging member, a heated U-shaped pressing member capable of conforming to the forepart of the shoe and movable in a horizontal plane contiguously parallel to the bottom of the

shoe for clamping the lasted margin of the upper over the forepart feather of the insole, a supporting guideway for the pressing member maintaining it against heightwise movement, and manually operated mechanism including a single progressively activated control member for consecutively moving said supporting member and



heated pressing member, in sequence, first to position the insole against the insole engaging member, next to move horizontally said pressing member inwardly over the forepart feather of the insole to wipe and clamp said margin over the feather and insole, and finally, to forcefully jack the shoe against said heated pressing member to form a well defined forepart feather line.

2,575,437
WATCH OR CLOCK MOVEMENT
Ferdinand Leo Ziebart, Winnipeg, Manitoba, Canada
Application May 19, 1950, Serial No. 162,850
2 Claims. (Cl. 58—46)



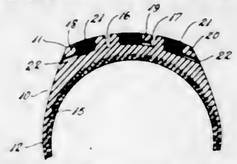
1. In a timepiece, a frame, a wind shaft journaled in the frame, a first gear fixedly circumposed on the wind shaft, a sleeve rotatably arranged on the wind shaft and having one end spaced from the first gear, a second gear of a different size from the first gear concentrically arranged on the shaft and fixed to the sleeve, a spiral spring mounted on the sleeve and connected adjacent its outer end to the first gear, a shaft rotatably mounted on the frame parallel to and spaced from the wind shaft, a sleeve member rotatably disposed on the shaft, respective relatively small gears rigidly circumposed on the sleeve member meshing respectively with the first and second gears, whereby rotation of the wind shaft causes the first gear to rotate and causes the second gear to rotate in the same direction but at a different rate to wind the spring, a third gear fixed on the shaft, interengageable ratchet elements carried by the shaft and one of said relatively small gears for rotatively connecting the sleeve to the shaft, an hour pointer and a minute pointer rotatably mounted on said frame for rotation around an axis aligned with the axis of rotation of the wind shaft, and respective gear trains having different speed ratios carried by the frame and coupling said third gear to the hour pointer and the minute pointer.

2,575,438
PERCUSSION DRILL BIT BODY
Arthur H. Alexander and John H. Alexander, Victoria, British Columbia, Canada, assignors to Kennametal Inc., Latrobe, Pa., a corporation of Pennsylvania
Application September 28, 1949, Serial No. 118,278
21 Claims. (Cl. 255—64)



1. The combination of a percussion drill bit body having a transverse slot therein for holding a cutting insert, said slot having a bottom wall and oppositely disposed side walls, an elongated cutting insert of less width than the slot having one side wall surface disposed at a greater angle than one side wall surface of said slot and having its bottom edge in contact with the bottom wall of the slot, a wedge strip interposed between the opposite side wall surface of the slot and cutting insert for wedging said insert within the drill bit slot, and means for securing the wedge strip in position.

2,575,439
TIRE
William F. Billingsley, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 13, 1949, Serial No. 93,068
5 Claims. (Cl. 152—209)



1. A vehicle tire having sidewalls and a road-contacting tread therebetween of resilient material extending circumferentially of the tire and laterally thereof from sidewall to sidewall, said tread comprising relatively raised ribs extending circumferentially about the tire and separated from each other by grooves extending circumferentially about the tire, isolated cavities in the road-contacting surfaces of said ribs each surrounded at the tread surface of the tire by material of the ribs, and vent passages extending from said cavities through the material of said tread and connecting them with the atmosphere, the vent passages of the ribs at said sidewalls having openings in the sidewalls and the passages of the intermediate ribs having openings in said grooves.

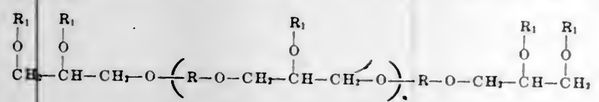
2,575,440

CROTONATE ESTERS OF GLYCERYL POLYETHERS OF DIHYDRIC PHENOLS

Theodore F. Bradley, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 16, 1948, Serial No. 60,409
7 Claims. (Cl. 260—47)

3. A polymer of a crotonic acid ester of the formula



wherein n is an integer of 1 to 7, R is the 2,2-bis(4-phenylene)propane radical, at least four R_1's are crotonyl radicals, and any remaining R_1's are hydrogen.

2,575,441

ASH RECEPTACLE

William E. Burnett, Montclair, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application October 16, 1947, Serial No. 780,225
4 Claims. (Cl. 206—19.5)



4. In an ash receiver device having a supporting plate and an open top receptacle mounted on the plate for movement into upright ash receiving position or into downturned dump position, a cover in the open top portion of the receptacle, a hinge pin connecting the cover to the receptacle, springs encircling the hinge pin and acting between the cover and the receptacle to normally swing the cover outwardly to open position, and an extension flange on the cover projecting from the top of the receptacle for engagement against the supporting plate when the receptacle is in upright receiving position, said extension flange limiting outward swinging movement of the cover by the springs beyond a position closing the open top of the receptacle when contacting the plate.

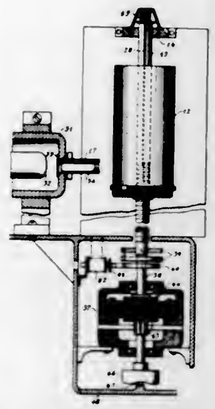
2,575,442

FACSIMILE CONTROL MECHANISM FOR EFFECTING CURVILINEAR SCANNING OR RECORDING

Austin G. Cooley, New York, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York

Application February 28, 1946, Serial No. 650,900
2 Claims. (Cl. 346—138)

1. A facsimile machine for curvilinear scanning of copy comprising a rotary drum having an upright axis, means for clamping the copy or recording sheet to the drum to rotate therewith, a vertical lead screw engaging the drum to feed the same at a uniform rate along its vertical axis, motor means for rotating the lead screw and drum, said motor means having a rotatable and longitudinally movable motor shaft in alignment with said lead screw and coupled thereto, and means including a cam on said motor shaft for oscillating the lead screw and



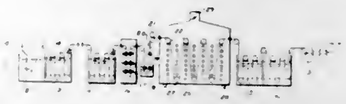
drum with the same vertical displacement thereof during each rotation.

2,575,443

PROCESS FOR THE MANUFACTURE OF MOISTUREPROOF SHEET MATERIAL

Ralph T. K. Cornwell, Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application April 9, 1946, Serial No. 660,619
6 Claims. (Cl. 117—145)



1. A process of treating nonfibrous organic hydrophilic films which comprises reducing the moisture content of a gel regenerated cellulose film, which has never been dried sufficiently to convert it from a wet gel state, until the moisture content is between 25% and 65% by weight, impregnating the film thus obtained with an acidic, aqueous colloidal solution containing from about 0.5% to 20% by weight of a partially polymerized melamine-formaldehyde condensation product, said product being in a state of polymerization less than that characterizing a gel, being water-dilutable, colloidal in nature, and having positively charged, hydrophilic particles of less than about one micron in diameter, advancing the

polymerization of the melamine-formaldehyde condensation product to a stage at which the resin cannot be dissolved out of the film by aqueous solutions, then impregnating the film with a plasticizer for the regenerated cellulose, and subsequently drying the plasticized film.

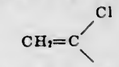
2,575,444

PRODUCTION OF PLASTICIZED RESIN COMPOSITIONS

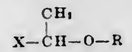
Donald Faulkner, Cambridge, Herbert Muggleton Stanley, Tadworth, and Johann Josef Peter Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a British company

No Drawing. Application October 29, 1946, Serial No. 706,506. In Great Britain October 30, 1945
7 Claims. (Cl. 260—33.2)

1. A composition of matter comprising a polymer of the class consisting of polymers of compounds containing a single group



and copolymers thereof, and an ether of the general formula



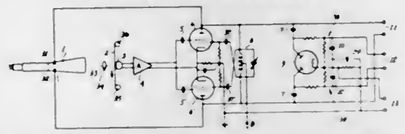
wherein X is a radical of the class consisting of the phenyl and halogen-substituted and alkyl-substituted phenyl radicals and R is a radical of the class consisting of saturated and unsaturated acylic carbon chains containing at least one hydroxyl group and the ethers and organic esters thereof said ether being present in an amount of 1% to 30% by weight of the composition.

2,575,445

SCANNING OF SOUND RECORDS

Walter Ernst Germer, Norden/Ostfriesland, Germany, assignor of twenty-five per cent to Anthony E. Neidt, and twenty-five per cent to George E. Neidt, both of St. Louis, Mo.

Application September 21, 1949, Serial No. 117,057
In Germany October 1, 1948
15 Claims. (Cl. 179—100.3)



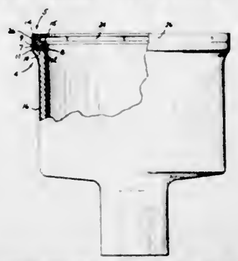
1. A system for scanning linear objects comprising scanning means, sweep means adapted to displace said scanning means relative to an object to be scanned, parallel to the main direction of said object, deflecting means adapted to displace said scanning means periodically relative to said object in a direction transverse thereto and at a rate which is high relative to the rate of displacement by said sweep means, signal generating means responsive to the output of said scanning means, a first and a second transmission channel connected in parallel to the output of said signal generating means, transmission control means synchronized with said deflecting means for improving the transmission characteristics of said first relative to said second transmission channel during odd half-cycles and of said second relative to said first transmission channel during even half-cycles of the periodic transverse displacement of said scanning means, and unbalance determining means adapted to compare the mean outputs of said transmission channels so as to provide a measure of any disalignment between the scanning means and the axis of the object being scanned.

2,575,446

RING TOP BUCKET

Richard J. Gollong, Wilmington, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application April 19, 1950, Serial No. 156,908
19 Claims. (Cl. 57—76)



1. A spinning bucket comprising a body section having an axis of rotation, a separable rim section having a peripheral surface of greater radius than the exterior surface of the body section, and means for securing the sections together.

2,575,447

FAIL-SAFE FEATURE FOR BALANCED BRIDGE INDICATORS

Ben R. Gossick, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 4, 1947, Serial No. 777,945
5 Claims. (Cl. 175—183)



1. In a device of the character described having a normally balanced bridge network having a D. C. output voltage and a direct-current indicator responsive to the unbalancing of said bridge, the combination of capacity means coupling said indicator to said bridge which is responsive only to changes in the degree of unbalance of said bridge, and other conductive means coupling said indicator to said bridge which is responsive to the degree of unbalance of said bridge, said last named means including a potentiometer shunted across the bridge output at the input side of said capacity coupling means and having a movable contact, and a resistor connected between said contact and the output side of said capacity coupling means.

2,575,448

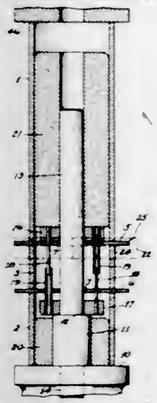
ELECTRON DISCHARGE DEVICE

Paul Haas, Emporium, Pa., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts

Application August 22, 1945, Serial No. 612,029
13 Claims. (Cl. 316—19)

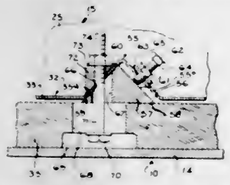
1. The method of fabricating a glass to metal article including the steps of assembling a plurality of metal articles having approximately the

same heat absorption characteristics with glass members separating the metal articles, simultaneously heating all of said metal articles whereby the glass and metal attains the softening temperature of the glass, while allowing mutual



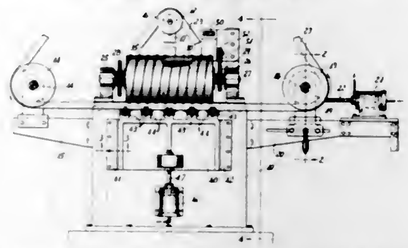
approach between the metallic parts until a predetermined position obtains therebetween, and then stopping relative movement between the metallic parts while allowing the glass to cool and seal with the metallic parts.

2,575,449
BALER PLUNGER HEAD ADJUSTMENT
George B. Hill and Richard U. Zollars, Ottumwa, Iowa, assignors to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application March 13, 1948, Serial No. 14,648
17 Claims. (Cl. 100—29)



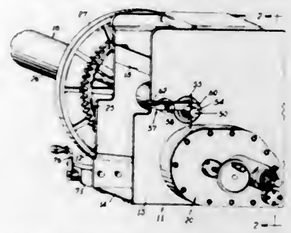
1. In a baling press plunger head of the type having a hollow interior portion and an external portion, and an adjustable wearing strip provided with an inner surface that rests on the external portion of the plunger head and an outer surface that slidably bears against the wall structure of a bale case in which the plunger head reciprocates, the improvement residing in means for mounting the wearing strip on the plunger head for adjustment inwardly toward and outwardly away from the aforesaid external portion, comprising: means on the plunger head external portion including inwardly directed wall elements providing a recess opening outwardly to the inner surface of the wearing strip and extending into the interior portion of the plunger head, one of said wall elements including a surface inclined at an acute angle to that portion of the inner surface of the wearing strip to which said recess opens; a spreading member arranged between said inclined surface and the aforesaid inner surface portion of the wearing strip for movement toward and away from the apex of the angle formed by said surface and said surface portion; and means on the plunger head for propelling said spreading member toward said apex for moving the wearing strip outwardly from the plunger head external portion.

2,575,450
APPARATUS FOR CUTTING STRIP MATERIAL
James W. Huff, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 2, 1946, Serial No. 700,753
4 Claims. (Cl. 164—64)



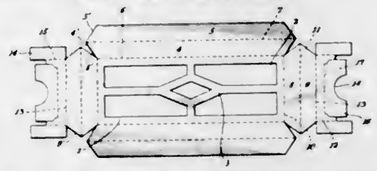
1. Apparatus for cutting lateral notches in an endless belt of flexible strip material while the belt is supported under tension, said apparatus comprising means for tensioning a reach of the strip material, means for supporting one face of the tensioned reach against deflection by direct contact therewith, notching means comprising a rotatable cutter having a helical blade located opposite said supporting means with its blade in position to cut partially through the tensioned reach, and means for rotating said cutter to cut notches partially through said strip and to simultaneously advance the strip past said support by engagement of the helical cutter therewith.

2,575,451
WARP BEAM LIFTING MECHANISM
Edward A. Kiessling, River Edge, N. J., Francis Gerard Lake, New York, N. Y., and Frederik Stephensen, Lyndhurst, N. J., assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J., a corporation of New Jersey
Original application September 23, 1948, Serial No. 50,834. Divided and this application February 18, 1950, Serial No. 145,048
3 Claims. (Cl. 139—1)



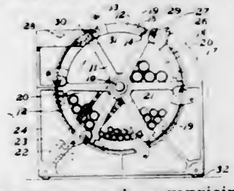
1. In a loom having a warp beam with a beam head at each end, and a bearing for each end of said warp beam, the combination comprising a pair of fixed brackets, a pair of tracks pivotally secured to said brackets respectively and located below said beam heads respectively, each of said tracks and the corresponding bracket conjointly defining a substantially continuous supporting surface for the corresponding beam head, and means for moving said tracks about their pivotal supports towards and away from supporting position with respect to said beam heads and for moving thereby said warp beam in and out of axially aligned position with respect to said bearings.

2,575,452
DISPLAY DEVICE
Charles E. Klein, Queens Village, N. Y., assignor to Kindred MacLean & Company, Inc., Long Island City, N. Y., a corporation of New York
Application April 24, 1947, Serial No. 743,524
4 Claims. (Cl. 40—126)



1. A display device of sheet material having a border hinged to its peripheral edges, said border being made up of sections arranged end to end, each extending along one of said edges and divided lengthwise into halves that are doubled upon themselves; two of said sections on opposite peripheral edges each having an extension along its free edge and of substantially the same length as said section, each of said extensions having a projection pointing outward at an angle on each end to be attached to an adjacent section to secure said sections together end to end, and flaps hinged to the extensions between the projections for bending inward and distending the device by holding the halves of each section separated from each other.

2,575,453
POLE STORAGE RACK
Waldemar D. Kmentt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 1, 1949, Serial No. 84,815
3 Claims. (Cl. 211—70)



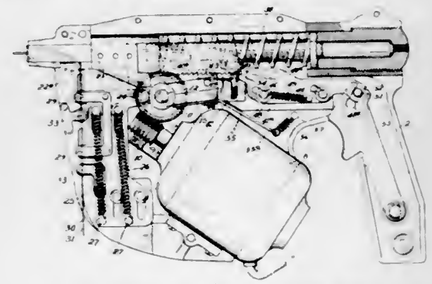
1. A pole storage rack comprising a member rotatable about a horizontal axis, said member haxing axially spaced-apart sets of radial spokes, a plurality of gates each hinged to a spoke of a set and engaging an adjacent spoke of the same set of said member to confine a group of poles, means for rotatably supporting said member, and cam means on said supporting means for opening said gates in succession at a station in the path of rotation of said rotatable member as said member is rotated past said station.

2,575,454
RAILWAY CAR FRAMING STRUCTURE
Otto A. Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 29, 1947, Serial No. 738,071
5 Claims. (Cl. 105—397)



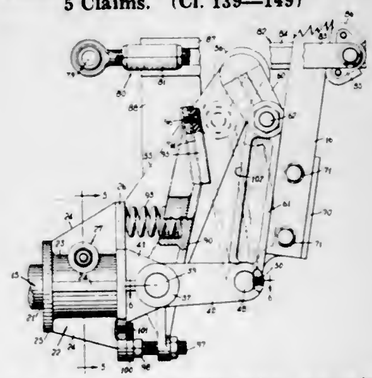
1. A railway car framing main structure comprising three skeleton framing sub-structures adapted for interchangeable use either as side wall framing sections or as a roof framing section, each of said framing sub-structures being so constructed and arranged as to be cooperatively associated with the other framing substructures and including identical corresponding structural members.

2,575,455
IMPACT TOOL
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware
Application November 5, 1946, Serial No. 707,949
12 Claims. (Cl. 1—51)



1. In a mechanism of the class described, a crank, means for rotating the crank, a pawl operated by the crank, a plunger having a succession of ratchet teeth with which the pawl cooperates to move the plunger in one direction, said rack having a smooth surface at the end of the ratchet teeth positioned to be engaged by the pawl along which the pawl may ride when the plunger has been moved a predetermined distance by the pawl, and a selectively releasable holding pawl also cooperating with the ratchet teeth of said rack and so located that said smooth surface is always clear of it.

2,575,456
PARALLEL MOTION
Elvin A. Mastriani, Cedar Grove, N. J., and Karol Kulczycki, Brooklyn, N. Y., assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J., a corporation of New Jersey
Application April 21, 1950, Serial No. 157,381
5 Claims. (Cl. 139—149)



1. In a loom, the combination comprising a picker stick, a parallel motion for said picker stick having a rockable bracket, a frame rigid with said bracket for rocking movement therewith, and a

pick motion for said picker stick comprising a rigid lug strap, and means mounted on said frame for supporting and guiding said lug strap in its endwise picking movement.

2,575,457

PREPARATION OF PHOSPHORIC ACID CATALYST ON A PRECALCINED SILICO-PHOSPHORIC ACID BASE

Julian M. Mavity, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 22, 1949, Serial No. 134,587
7 Claims. (Cl. 252—935)

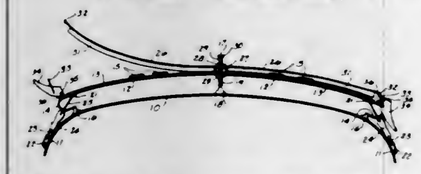
1. A process for manufacturing a solid catalyst which comprises mixing an oxygen acid of phosphorus with a siliceous adsorbent to form a composite, calcining said composite at a temperature of from about 900° F. to about 1100° F. to form a solid calcined composite, impregnating said calcined composite with an oxygen acid of phosphorus to form a phosphoric acid coated composite, and calcining said phosphoric acid coated composite at a temperature below about 900° F. to form a structurally strong catalytic material having high hydrocarbon conversion activity.

2,575,458

AUTO-TOP CARRIER FOR SKIS, TOBOGGANS, AND LIKE ARTICLES

Marcellus S. Merrill, Denver, Colo.

Application December 5, 1946, Serial No. 714,314
10 Claims. (Cl. 224—42.1)



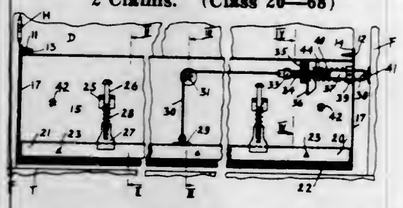
1. An auto-top ski carrier unit comprising a base bar and a top bar structure, interengaged at their central portions, means for seating the base bar on and engaging it to the top of an automobile, the end portions of the top bar structure being normally curved upwardly and thereby separated from the base bar, the top bar being resilient and being thereby adapted for manual depression into substantial alignment with, and adjacent to, the base bar and means for releasably securing the top bar ends in said depressed adjacent position.

2,575,459

WEATHER STRIP STRUCTURE FOR DOORS

William T. Moten, Pittsburgh, Pa.

Application July 28, 1948, Serial No. 41,154
2 Claims. (Class 20—68)



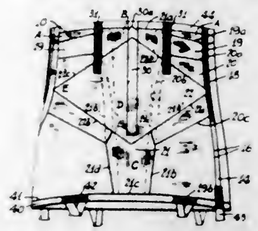
1. In a device for sealing the space between the bottom of a door which may be swung from an open to a closed position, a weather strip mounted on the door bottom for movement from a retracted position to a sealing position, a fixed lug on the device, an expansible spring between the lug and the weather strip to urge the strip toward the sealing position, a cable attached at one end to the weather strip, a threaded rod attached to the other end of the cable and receivable in a slidable nut, a fixed bracket on the device through which the rod is passed, said nut being engageable with said bracket to limit movement of the rod in one direction, a sleeve member the interior of which is threadably engageable with the rod and which projects through the edge of the door, a stop ring on the sleeve member, a compressible spring disposed between the bracket and the stop ring, and which is of such strength as to overcome the downward thrust of the expansible spring.

2,575,460

GIRDLE OR THE LIKE

Fred Niedermann, Rockville Centre, N. Y., assignor to Mastercraft Foundations, Inc., New York, N. Y., a corporation of New York

Application September 30, 1947, Serial No. 777,025
3 Claims. (Cl. 2—37)



1. A girdle comprising an elastic front main panel and an elastic rear main panel joined together at their side edges to provide a tubular garment, a reinforcing elastic panel on either side of the vertical medial line of said front panel extending from said side edges and terminating short of said medial line, said reinforcing panels extending substantially the length of said front panel, a reinforcing elastic panel overlying a portion of each of the first mentioned reinforcing panels and terminating short of the front edge of the latter, a reinforcing elastic center panel overlying the center of said front panel and overlying the front edges of the first mentioned reinforcing panels, a diamond shaped reinforcing elastic panel extending across the front panel and overlying said center panel and the first and second mentioned reinforcing panels, a reinforcing elastic rear panel disposed on either side of the vertical line of and upon said rear main panel, and a reinforcing rear center panel disposed between the confronting edges of the first mentioned reinforcing rear panels.

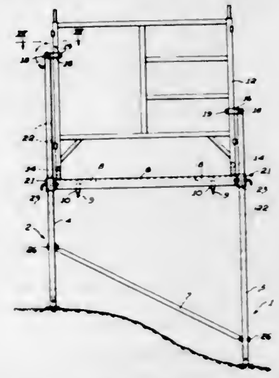
2,575,461

ADJUSTABLE SCAFFOLD BASE

Thomas C. North, Zelienople, Pa., assignor to Universal Fittings & Scaffolding Company, Zelienople, Pa., a corporation of Pennsylvania

Application September 18, 1946, Serial No. 697,605
6 Claims. (Cl. 304—2)

1. A scaffold substructure for use in supporting a scaffold formed of a pair of spaced parallel end frames each having a pair of spaced parallel legs, said substructure comprising a pair of spaced parallel end frames, and braces connecting said frames for holding them upright, each of said substructure frames including a pair of spaced parallel legs independently adjustable vertically relative to each other, a horizontal cross member between the substructure legs adapted to support a working platform, means adjustable axially of the said substructure legs for connecting the ends of said cross members thereto a material distance below the upper ends of the legs, the legs



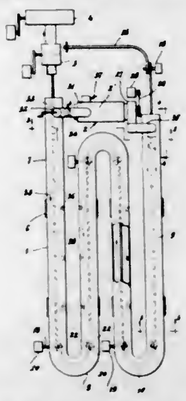
of each end frame of said scaffold resting on the cross member of each end frame of said substructure whereby said scaffold is supported, vertical plugs between said pair of said substructure legs projecting upwardly from each cross member and adapted to project into the legs of said scaffold, and clamping means pivotally connected to the upper end of each substructure leg and adapted to be swung into clamping engagement with an adjacent scaffold leg supported by said cross members.

2,575,462

APPARATUS FOR CURING BUILDING BLOCKS

Anthony L. Nugey, Rahway, N. J.

Application February 16, 1949, Serial No. 76,723
7 Claims. (Cl. 25—133)



1. An apparatus for making and setting cement blocks comprising, block-forming means, a kiln, a conveyor comprising sections forming a continuous conveyor for receiving the blocks and carrying same continuously through the kiln and then out of same, means for heating kiln comprising a reaction unit having means for delivering gases of combustion directly into the kiln at the outlet end and in direct contact with the cement blocks being transported on the conveyor, said unit also being connected to the inlet end of the kiln and having a valve controlled opening to the atmosphere adjacent said inlet end, whereby the carbon dioxide and water vapor of said gases constituting the products of combustion is brought into direct contact with said blocks counter-currently to movement of said blocks to thereby facilitate setting of same.

2,575,463

PROCESS FOR PREPARING LEUCO SULFURIC ACID ESTERS OF VAT DYESTUFFS AND SALTS THEREOF

James Ogilvie, Buffalo, N. Y., and Guido Genta, Hillside, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 11, 1949, Serial No. 92,736
16 Claims. (Cl. 260—329.2)

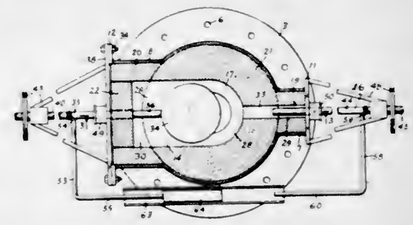
1. In a process for the preparation of leuco sulfuric acid esters of vat dyestuffs, the steps which comprise dissolving the vat dyestuff in a substantially anhydrous sulfuric acid substance selected from the group consisting of sulfuric acid, liquid sulfating acids and mixtures thereof, introducing the solution thus obtained into a quantity of a liquid tertiary nitrogen base in excess of that necessary to form the complex nitrogen base salt of the sulfuric acid substance, whereby the vat dyestuff is precipitated in readily reactive form, and thereafter reducing and esterifying the vat dyestuff to its leuco sulfuric acid ester in the tertiary nitrogen base precipitating medium.

2,575,464

VALVE

John J. Olsen, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application June 22, 1949, Serial No. 100,587
8 Claims. (Cl. 251—61)



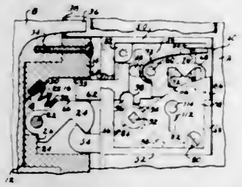
1. A valve assembly comprising a valve body having a longitudinal passageway for passage of a gas stream, closure means in said body freely slideable in direction transverse to flow of adjacent gas stream, thereby to control rate of flow of said gas stream through said passageway, two valve stems disposed on opposite sides of said valve body, extending inwardly into said valve body and each being axially movable in direction transverse to flow of gas stream between said stems, each of said stems having positions in which its inner end abuts said closure means and positions in which its inner end is removed from said closure means and from said passageway, means for actuating the valve stems whereby, by axial movement thereof, said closure means may be caused to slide within said valve body.

2,575,465

LOCKING DEVICE FOR SLIDING DOORS

John W. Patton, Philadelphia, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application January 23, 1948, Serial No. 4,030
2 Claims. (Cl. 292—78)



1. In a locking device for sliding doors, means forming two separable casings, a rigid bolt fixed within one of said casings, a pivotally mounted latch housed within the other casing, said rigid bolt and latch having cooperating surfaces so formed as to be engageable to yieldably hold the door closed and disengageable by opening movement of the door, an abutment in the casing that houses the latch located below the pivotal axis thereof, a shoulder on said latch engageable with said abutment to prevent the latch from dropping below its operative position, resilient means seated in a wall of the casing above the latch constantly urging the latter towards operative position, a dogging bolt slidably mounted in said one casing horizontally movable between a withdrawn position therein and a position where it extends into the other of said casings when the door is closed to engage over the top of said latch, a check plate pivotally mounted on an inner wall of said one casing and associated with the dogging bolt and having an opening to provide a depending wedge-shaped detent, a wedge-shaped lug projecting from said dogging bolt through the opening in said check plate for slidable and cooperable engagement with the lug to releasably retain the dogging bolt in either of its said positions, said detent riding over said lug during movement of the dogging bolt from one position to the other to lift the check plate for selectively positioning the detent on either side of the lug, and resilient means constantly urging said detent and projecting lug into cooperative engagement.

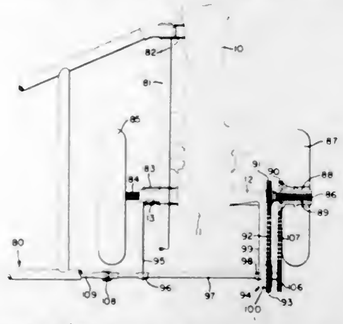
2,575,466

DRIVE MECHANISM FOR VEHICLES AND CONNECTED IMPLEMENTS

Talbert W. Paul, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application September 18, 1947, Serial No. 774,699
6 Claims. (Cl. 180—14)

1. In a tractor and implement unit wherein the tractor has a body carried between first and second ground-engaging wheels and is provided with power-transmitting means including first and second power shafts interconnected by differential drive means, the first of said shafts being drivingly connected to the first wheel to normally deliver to said first wheel part of the torque output of the power-transmitting means, and wherein the implement comprises a supporting frame having spaced frame portions, one frame portion being connected to the tractor body and the other frame portion being supported on a ground-engaging implement wheel separate from the tractor, the improvement comprising: means for connecting the second tractor wheel to the second shaft in tractor-supporting relationship and including a bearing journaling said second tractor wheel on said second shaft for rotation of said second tractor wheel at times at speeds different from speeds of rotation of



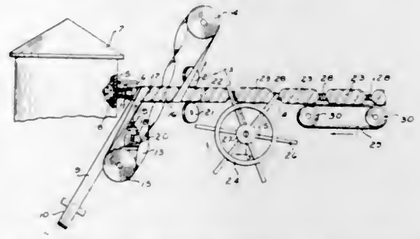
the second shaft; and a driving connection for drivingly interconnecting the second shaft and the implement wheel to normally deliver to said implement wheel part of the torque output of the power-transmitting means of the tractor.

2,575,467

PROCESS AND APPARATUS FOR STUFFING CASINGS

Frank H. Reichel and Clarence L. Harder, Fredericksburg, Va., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application May 14, 1946, Serial No. 669,641
10 Claims. (Cl. 99—176)



1. A process for the manufacture of a helically wound stuffed sausage casing which comprises continuously helically winding a strip material so that the edges of adjacent coils overlap, continuously sealing the overlapping edges to form a sausage casing, continuously stuffing said casing with sausage concurrently with its formation, and intermittently forming links in the stuffed casing at spaced intervals to divide it into inidvidual sections concurrently with its stuffing.

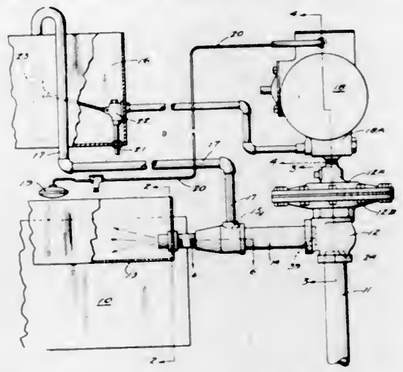
2,575,468

FIRE EXTINGUISHING FOAM SYSTEM WITH DELUGE VALVE CONTROL

Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio, a corporation of Delaware

Application March 18, 1950, Serial No. 150,477
5 Claims. (Class 169—4)

1. A fire extinguishing foam system comprising in combination an automatic pressure responsive deluge valve in communication with a water supply source and distributing piping, a mixer in said distributing piping for introducing foam liquid thereinto; and a foam liquid supply in communication with said mixer, a release mechanism controlling said deluge valve and including a control valve in pressure venting communication with said pressure responsive deluge valve, thermostats in a fire zone, said release mechanism responsive in operation to said thermostats, the said deluge valve responsive in opening operation



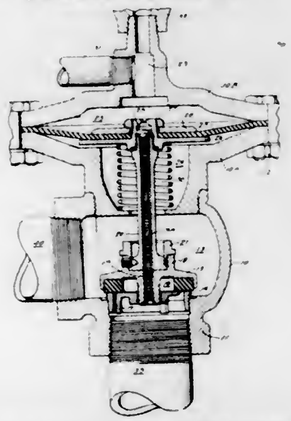
to the opening of said control valve, a float operated valve in communication with said control valve and responsive in operation to the presence and absence of said foam liquid supply, said deluge valve responsive in closing operation to the closing of said control valve and to the closing of said float operated valve whereby the float operated valve will close and the system will shut off when the foam liquid supply is exhausted.

2,575,469

AUTOMATIC DELUGE VALVE

Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio, a corporation of Delaware

Application March 18, 1950, Serial No. 150,478
5 Claims. (Cl. 169—22)



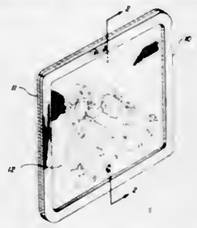
1. An automatic deluge valve having a fluid passageway therethrough and a clapper movably positioned in said passageway for closing the same, a pressure chamber in said valve and a diaphragm positioned across said pressure chamber, structural means connecting said diaphragm and said clapper, a restricted secondary fluid passageway in said structural connection means establishing communication through said clapper with said pressure chamber for normally holding said diaphragm and clapper in closed position and spring means normally urging said diaphragm and clapper to open position, an outlet in communication with said pressure chamber and valve means controlling the same.

2,575,470

EMBROIDERY AID AND FRAME

Robert Salz, Hollywood, Calif., assignor to Highland Art Embroidery Company, Pasadena, Calif., a partnership

Application February 24, 1948, Serial No. 10,449
2 Claims. (Class 40—152)



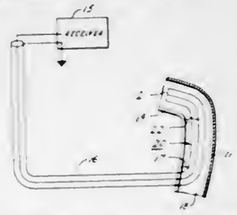
1. An educational toy comprising washable first and second frames, each frame defining an opening of substantially the same area and configuration as the other frame, a piece of cloth smaller than the outside of the frames and larger than the opening, waterproof adhesive means permanently bonding the outer edges of the cloth between the two frames to permanently bond the frames and the cloth together to hold the cloth stretched across the opening whereby embroidery may be placed on the cloth and the embroidered cloth washed in the frame.

2,575,471

VEHICULAR ANTENNA SYSTEM

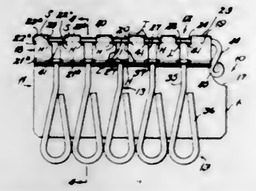
Walter W. Schweiss and Raymond I. Gratzner, Philadelphia, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application April 13, 1950, Serial No. 155,608
8 Claims. (Cl. 250—33)



1. In combination; a mobile craft having a conductive body; a radio apparatus mounted in said craft; a long narrow slot in said body, said slot having a physical length equivalent to at least one-half wavelength at the center frequency of a band of carrier frequencies to be received; a half-wave shorted stub disposed along said slot; a low-impedance connection between one conductor of said stub and one edge of said slot at a point approximately one-quarter wavelength from said shorted end; a low-impedance connection between the other conductor of said stub and said edge of said slot at the open end of said stub; and a transmission line connecting said open end of said stub to said apparatus.

2,575,472
KEY HOLDER
Hyman R. Segal, New York, N. Y.
Application January 18, 1949, Serial No. 71,483
3 Claims. (Cl. 70—456)



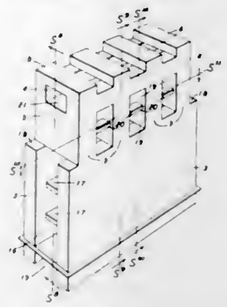
2. In a key holder for removably supporting key sustaining means each provided with an enlarged head, a plate having at its upper part a plurality of bowed portions defining spaced slots for receiving said key sustaining means but narrower than said heads, hollow beaded means defining aligned and spaced bearings at the upper parts of said bowed portions and enlarged throats wider than said heads and slots and communicating with the latter and defining spaced vertical sides and horizontal aligned and spaced shoulders, a rod having spaced lugs interposed between said sides and having means for bridging said slots contiguous to said shoulders to preclude the removal of said sustaining means out of said slots, said rod having cylindrical portions journalled in said bearings and rotatably guided by the latter, said lugs having notches for aligning with said slots on rotation of said rod to permit removal of said sustaining means out of said slots and through said throats, and manipulator means carried by said rod.

2,575,473
SCREW HOLDING SCREW DRIVER
Forbie O. Selseth, Minneapolis, Minn.
Application August 5, 1946, Serial No. 688,551
2 Claims. (Cl. 145—50)



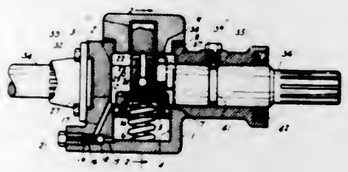
1. A device for handling screws and other articles having in combination, a member adapted to be held in the hand and having a bore extending therethrough with an open lower end, a pair of thin resilient plates secured to the lower end of said member and extending some distance beyond said end across the bore therein, the lower free ends of said plates being adapted to spring apart and being disposed in constantly diverging relation, a plunger movable in said bore having a bifurcated lower end and being movable over said plates to move the free ends thereof together, said plunger projecting at the upper end of said member and having a handle at its upper end, said member having an enlarged portion of said bore therein, a coiled compression spring surrounding said plunger having one end engaging one end of said enlarged bore, and means secured to said plunger engaged by the other end of said spring, said spring tending to move said plunger away from said blades.

2,575,474
BUILDING STRUCTURE
Victor Charles Shadgen, New York, N. Y.
Application September 10, 1948, Serial No. 48,651
8 Claims. (Cl. 20—1)



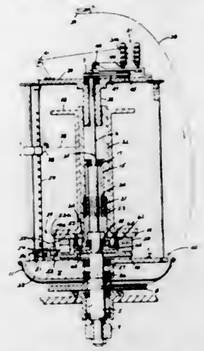
1. An assembly of unit sections superimposed in multiple unit tiers to form a multi-storied building, the unit sections of each tier being positioned in spaced apart parallel relation and at right angles to the unit sections of adjoining tiers, each unit section comprising a multi-storied walled-in structure of suitable dimensions and approximately rectangular outline in horizontal section, the said structure having spaced apart vertically disposed tower sections built in the unit and positioned for connection to like tower sections of adjoining units to form walled-in reinforcing towers extending from the ground upward to the top of the building.

2,575,475
SAFETY OVERLOAD CLUTCH
Robert E. Stutzke, Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company, a corporation of Minnesota
Application December 2, 1947, Serial No. 789,243
8 Claims. (Cl. 64—28)



1. An overload safety clutch comprising a housing adapted to receive a driven shaft connected thereto to rotate therewith; a pump carried by said housing operable transverse to the axis of rotation of the housing and having a compression chamber provided with fluid inlet and outlet passageways; pressure responsive valve means for resisting the escape of fluid from said outlet passageway; and means in said housing operable by a driving shaft for operating said pump.

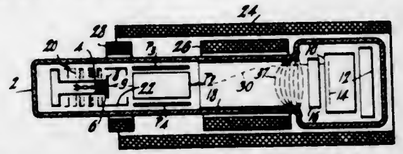
2,575,476
TWISTING AND WINDING MACHINE DRIVE SYSTEM
Joseph A. Truitt, West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 22, 1950, Serial No. 202,169
7 Claims. (Cl. 57—58)



6. In a down twister having an upwardly extending hollow driving spindle, a flyer secured to the spindle with a thread passageway thereof in communication with the interior of the spindle, a package-holder mounted on the spindle and rotatable with respect thereto, said package-holder comprising two concentric sections of which one is in bearing relationship with the spindle and the other section is axially movable with respect to the first-named section, a slip-drive torque transmission comprising spaced rotatable members, one member being attached to the spindle and one being attached to the axially movable section, said members having said spindle axis as their axis of rotation, resilient means mounted on the first-named section for supporting the movable section at a predetermined level, the resilient means being yieldable to permit descent of the axially movable section to progressively lower levels in accordance with the weight of the package being built thereon whereby the space between the rotatable members is correspondingly reduced and the torque capacity to the transmission is varied inversely to the magnitude of the spacing, latch means mounted on one of the sections for securing the axially movable section in a predetermined lower position with respect to the other section and the spindle in opposition to the resilient means urging the axially movable section upwardly, centrifugally operated means for releasing said latch means at a predetermined speed of the holder, means reciprocating lengthwise of the holder for guiding the strand toward the holder, means for receiving the stand from the hollow spindle and passing it to the reciprocable guide means, and means rotatably mounted on the spindle for supporting the reciprocable guide means and the strand-receiving means.

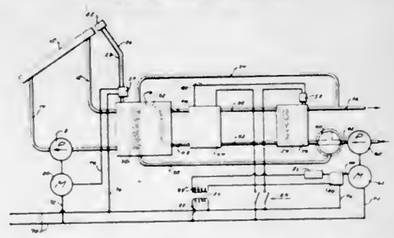
2,575,477
PICKUP TUBE RESIDUAL SCANNING ELIMINATOR
Paul K. Weimer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1949, Serial No. 102,132
4 Claims. (Cl. 313—76)

1. A cathode ray tube having a target, means for directing a beam of electrons toward said target, means for creating a substantially parallel magnetic field around said beam, means for cyclically varying the vertical component of the magnetic field through which the beam of electrons passes, means for cyclically varying the horizontal component of the magnetic field through which the beam of electrons passes, means for shifting the beam in a vertical direc-



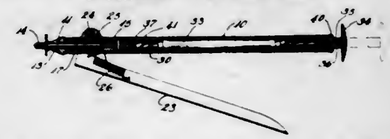
tion with respect to said magnetic field, said latter means operating in synchronism with the means for cyclically varying the horizontal component of the field, and means for shifting the beam in a horizontal direction with respect to said magnetic field, said latter means operating in synchronism with said means for cyclically varying the vertical component of the field.

2,575,478
METHOD AND SYSTEM FOR UTILIZING SOLAR ENERGY
Leon T. Wilson, Canadensis, Pa.
Application June 26, 1948, Serial No. 35,364
6 Claims. (Cl. 237—1)



2. A heating system comprising a solar heater, a fluid reservoir including means for circulating the fluid in the reservoir through the solar heater to raise the temperature of the fluid in the reservoir, a heat transfer means in said reservoir, a second fluid reservoir including a second heat transfer means therein, a heat pump connected with each of said transfer means to remove heat from the first said reservoir and discharge in said second reservoir at an increased temperature, and control means for maintaining the temperature of said first reservoir below a temperature of 70° F. above the ambient temperature of the solar heater.

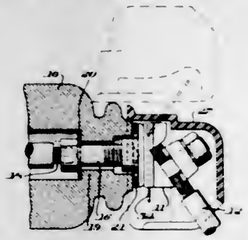
2,575,479
TOOL FOR UPSETTING INTERNALLY THREADED RIVETS
Homer E. Wilt and Ray H. Gill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 20, 1948, Serial No. 45,275
3 Claims. (Cl. 218—19)



1. A tool for upsetting hollow internally threaded rivets, said tool comprising a tubular

body having at one end thereof a hollow anvil secured thereto for seating against the head of a rivet, a threaded draw rod extending through said anvil axially of said body in slideable and rotative relation to the anvil to engage in the threaded bore of the rivet, a worm secured to said draw rod for rotation and sliding movement therewith and extending from the point of securement within and axially along said body toward the other end thereof, a tubular plunger having a circumferentially continuous cylindrical wall throughout its length having smooth inner and outer surfaces telescopically mounted about said worm within said tubular body in slideable and rotative relation to said tubular body and to said worm and draw rod for sliding movement of said plunger relative to said body and worm in a direction axially thereof, said plunger having recesses in said cylindrical wall thereof, and spherical driving members carried by said plunger and seated in said recesses for free rotation therein in all directions and projecting into the path of said worm in driving relation to the worm for translating axial movement of said plunger to rotative movement of said worm, said draw rod and worm and plunger being locked together and mounted for limitless rotation thereof in said tubular body when said plunger is restrained against axial movement.

2,575,480
TRANSFORMER BUSHING TERMINAL AND HINGED COVER THEREFOR
John J. Zimsky, Pittsburgh, Pa., assignor to Pennsylvania Transformer Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1947, Serial No. 778,435
10 Claims. (Class 174—139)



1. A bushing terminal comprising a block having a face adapted to abut the end of a bushing, said block also having an exposed outer face and a stud normal thereto, said stud having a hole therethrough adapted to receive the end of a conductor, a bail swingably mounted on said block and depending therefrom on opposite sides thereof, and a hood-like cover open at the bottom and one end, said cover being hinged to the ends of the bail with the open end of the cover adjacent the end of the bushing, whereby the cover normally encloses the block and stud but may be swung upwardly and tilted to expose them.

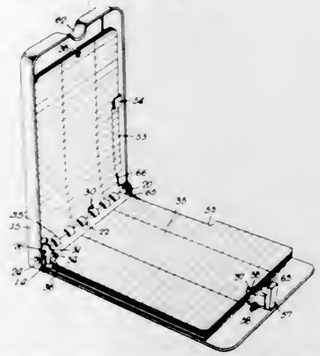
2,575,481
WIRE FASTENER
Stanley W. Anderson, Western Springs, Ill.
Application March 30, 1946, Serial No. 658,561
2 Claims. (Cl. 287—20)

1. A fastener for wire or the like comprising a tubular member adapted to receive a wire or the like snugly in its bore and provided with an elongated relatively narrow external surface groove providing a longitudinal weakened line along which the tubular member will collapse under radial pressure, said groove being at one end of the member, and integral ridges adjacent



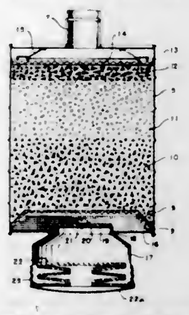
said groove on either side thereof consisting of the material forced from the member when making the groove.

2,575,482
SELECTOR BINDER
Samuel I. Berger, Newark, N. J.
Application December 12, 1945, Serial No. 634,449
23 Claims. (Cl. 40—104)



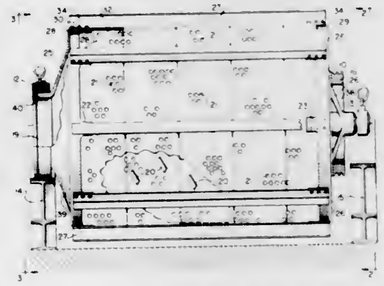
1. A loose-leaf binder, comprising a base, a cover hinged thereto, a bail extending the width of said binder, said bail having a multiplicity of fingers unitary therewith and extending transversely therefrom and adapted to extend through corresponding holes in the sheets to be bound, and spring pressed latch means pivoted to the base at one end thereof and having an inturned lug abutting an edge of the bail in sheet locking position.

2,575,483
GAS MASK CANISTER
Eric A. Bethig, Reading, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania
Application February 16, 1950, Serial No. 144,465
2 Claims. (Cl. 183—39)



1. In a gas mask canister including a body of gas-filtering material and a substantially dome-shaped screen extended inwardly from the bottom of said canister for supporting said material, the bottom of said canister having a hole, a filtering cup having an inwardly tapered neck portion supported on the peripheral portion of said bottom which defines said hole, a one-way acting air inlet valve mounted on said neck portion and underneath said screen, a dust-filtering, hollow filter pad contained within said filter cup including an integral lowermost filter disk having a hole coincident with the opening of said pad, and a perforated screw cap providing screw threaded engagement with the mouth portion of said filter cup and for providing an air-tight seal between said mouth portion and the peripheral portion of said disk, whereby said hollow filter pad may be readily removed and replaced by the mere unscrewing of said perforated screw cap.

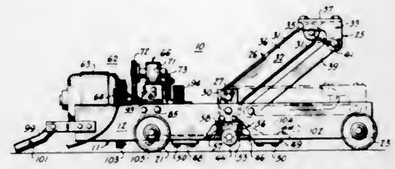
2,575,484
SUPPORT STRUCTURE FOR SCREENING CYLINDERS
George W. Borton, Philadelphia, Pa.
Application September 9, 1949, Serial No. 114,766
6 Claims. (Cl. 241—91)



1. In a crushing mill of the rotary type having a screening cylinder and circular heads at the feed and at the discharge ends of said cylinder, a feed end head in the form of an annular member having parallel circular flanges at its inner and outer peripheral edges, said flanges extending axially of said cylinder, the central opening of said annular member providing an unobstructed feeding aperture for said cylinder and the flange thereof defining said opening providing means for rotatably supporting the feed end of said cylinder, a discharge end head in the form of a circular member having a circular flange extending from its peripheral edge in coaxial alignment with the outer flange of said feed end head, and circumferentially spaced beams extending between and secured to corresponding peripheral surfaces of said aligned flanges, said beams extending parallel to the axis of and providing supporting means for said cylinder.

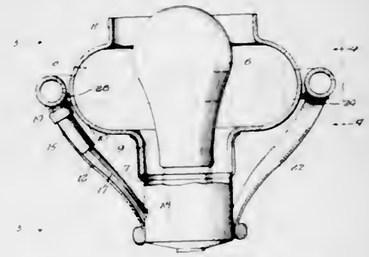
2,575,485
LOAD LIFTING DEVICE
Henry E. Bramble, San Diego, Calif.
Application June 5, 1950, Serial No. 166,243
10 Claims. (Cl. 254—8)

1. In a load lifting device having a frame, a saddle, a bell crank pivotally supported on the frame and connected at one end to said saddle for raising and lowering the same, means for actuating said bell crank comprising an actuator plate slidably mounted on said frame, roller means rotatably carried by the opposite end of said bell crank, spaced wall members on said actuator plate on which said roller means ride and cooperating with said roller means to operatively connect said bell crank to said actuator plate whereby the movement of the latter effects pivotal movement



of the former, a reciprocable screw shaft connected to said actuator plate, and means to operate said screw shaft to move said actuator plate in opposite directions.

2,575,486
LAMP FIXTURE HAVING A DIFFUSER BOWL WITH A CIRCULAR FLUORESCENT LAMP SURROUNDING THE BOWL
Harold Brandeis, Chicago, Ill., assignor to Colonial-Premier Company, a corporation of Illinois
Application June 28, 1946, Serial No. 679,931
2 Claims. (Cl. 240—51.12)

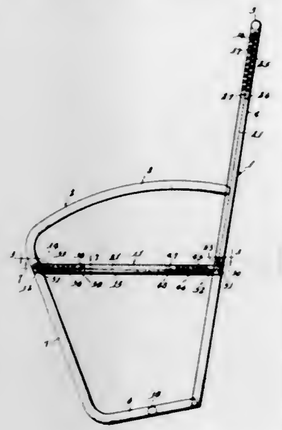


1. In a lamp fixture, a socket housing, a diffuser bowl supported by said socket housing, an annular fluorescent light tube having an inside diameter slightly in excess of the maximum diameter of said diffuser bowl, a pair of arms projecting from opposite sides of said socket housing and terminating in a plane adjacent the maximum diameter of said diffuser bowl, each of said arms having its free end bifurcated to furnish two spaced areas of support for said annular tube, the bifurcated ends of each of said arms extending in opposite directions circumferentially of said annular tube, and each end being shaped in cross section to partially embrace the lower inside wall of the annular tube, and a socket mounted on one of said arms between its bifurcated ends, said socket cooperating with said bifurcated ends to support said tube closely around said diffuser bowl.

2,575,487
CHAIR STRUCTURE
Orville S. Caesar, Barrington, Ill.
Application November 14, 1947, Serial No. 785,954
10 Claims. (Cl. 155—119)

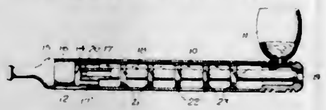
1. In a chair structure which includes a rigid skeleton frame providing a back and sides, a seat frame pivoted to and between the sides so that it can rise and fall at the rear, seat and back fabric, and three bars as the sole means to which the fabric is connected, respectively an upper first bar, an intermediate second bar, and

a front third bar, the second bar being slidable in the seat frame, and the first bar being slidable



in the back, and cushioning means respectively yieldably resisting downward motion of the first bar and forward motion of the second bar.

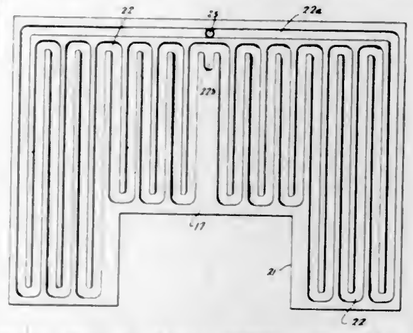
2,575,488
SMOKING ARTICLE
Axel S. Carlson, New York, N. Y., assignor of one-half to Sterner Person, New York, N. Y.
Application June 8, 1946, Serial No. 675,453
5 Claims. (Cl. 131—195)



2. A smoking article which comprises a hollow stem, and a baffle disk fitted therein and having an annular peripheral groove and longitudinal passages off set from each other and formed at respectively opposite points in the edges of the disk to permit passage of smoke.

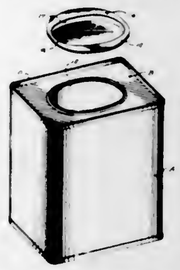
2,575,489
DISPENSER UNIT
Thomas B. Chace, Winnetka, and Joseph A. Reinhardt, Wheaton, Ill., assignors to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application March 17, 1945, Serial No. 583,196
1 Claim. (Cl. 257—256)

In a fluid dispenser unit or the like, a multi-walled container for confining the temperature changing medium comprising an inner plate having a substantially smooth inner surface presented to the temperature changing medium, said inner plate being bent to form the bottom and at least two side walls of the container, an outer plate having a plurality of corrugations therein bent in a form to correspond generally with that of the inner plate and secured thereto to partially overlay the exterior of the inner plate and to form between said inner and outer plates an endless tubular fluid passage defined by the corrugations in said outer plate, said passage extending along the side walls and at least a portion of the bottom of the container, an inlet and an outlet at the bottom of the container for admitting to said passage the fluid to be subjected to the action of the temperature changing medium, said passage being so constructed that it divides the fluid into two oppositely flowing



streams each of which passes from the inlet through the portion of the passage along the side wall of the container thence along the bottom of said container to the outlet.

2,575,490
FRICTION PLUG CLOSURE
Robert S. Condon and Alexander G. Hatch, Rutland, Vt., assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 22, 1944, Serial No. 569,334
1 Claim. (Cl. 220—42)

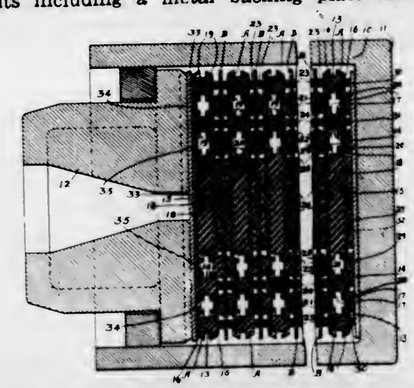


A closure plug for a friction plug closure, said plug comprising a substantially oblong body portion and a flange portion projecting outward laterally from the top of the body portion, the projecting width of the flange being narrowest adjacent an end of the major axis of the body portion and increasing in width toward the center with the total width of the body portion and flange on its narrowest transverse axis being greater than the length of the body portion on its major axis.

2,575,491
RUBBER SHOCK ABSORBING MEANS FOR RAILWAY DRAFT RIGGINGS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 27, 1948, Serial No. 67,447
4 Claims. (Cl. 213—45)

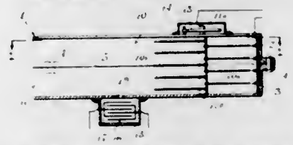
1. In a rubber shock absorbing element for railway draft riggings, the combination with a series of units; of a second series of units alternated with said first named units, each of said first named units including a plurality of concentric rubber rings, and a pair of sheet

metal rings bearing on the front and rear sides of each rubber ring, each of said second named units including a metal backing plate having



wedge-shaped rubber rings having wedging engagement between adjacent metal rings of the first named units, which metal rings are at opposite sides of each of said second named units.

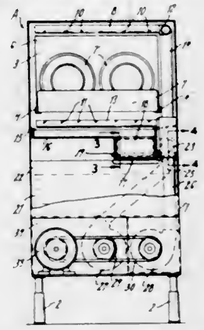
2,575,492
FLOW-MEASURING APPARATUS
Karl H. Dittmann, Mendham, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application April 13, 1946, Serial No. 661,924
8 Claims. (Cl. 73—228)



3. In a metering system for measuring the flow of a fluid: the combination of a conduit having a portion curved on an arc about an axis at a side wall of the conduit and having a rectilinear portion leading from said curved portion; an electrical condenser in said conduit comprising a stationary set of spaced plates substantially parallel to the direction of fluid flow and a movably-mounted set of plates intervening said stationary plates, the spaces between said plates forming a passageway for the fluid under measurement and said fluid constituting a dielectric medium for said condenser; a vane pivoted at said axis and biased into a conduit-closing position wherein the vane conforms to the interior wall of said curved portion of said conduit, said vane being movable by fluid pressure in a direction towards said rectilinear portion to open said conduit progressively as the fluid flow increases therein; and means connecting said vane to said movable set of intervening plates to cause the electrical capacity of said condenser to be varied according to the positioning of said vane.

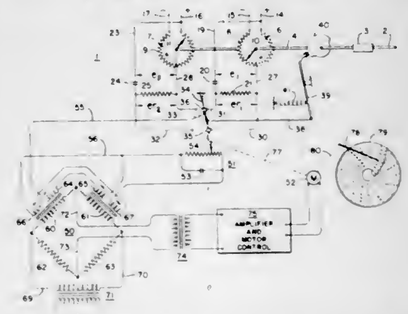
2,575,493
DISHWASHING MACHINE AND PLURAL LIQUID SPRAY MEANS THEREFOR
Frank T. Hilliker, St. Louis, Mo.
Application May 28, 1949, Serial No. 96,076
4 Claims. (Cl. 134—96)

1. A dishwashing machine comprising first and second tanks adapted to receive fluids, said machine having a chamber for reception of tableware, spray members provided in said chamber, a conduit member connecting said spray members with each of said first and second tanks, fluid lifting means associated with each of said tanks, a valve having a rockable closure element adapted to swing from a first position to a second position responsive to the pressure imparted to the fluids by the fluid lifting means for permitting passage through the conduit member



of fluid from one or the other of said tanks a drain plate located beneath the chamber having two openings respectively discharging to the first and second tanks, movable closure means for optionally blocking one or the other of said openings, and actuating means operatively connecting said closure means and the rockable closure element so that the closure means is moved into one or the other of its positions by corresponding movement of the rockable closure element.

2,575,494
SPEED MEASURING MECHANISM
Anthony J. Hornfeck, Lyndhurst, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application November 9, 1948, Serial No. 59,067
9 Claims. (Cl. 175—183)

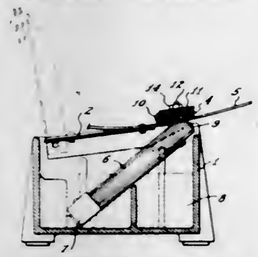


1. A speed measuring mechanism comprising, in combination, a potentiometer type slidewire constantly energized from a source of direct current and having a movable contact, means for moving said contact along said slidewire at a rate proportional to the speed to be measured, a condenser and a fixed resistance alone connected in a series circuit to said contact and to one end of said slidewire and means for measuring the potential developed across said resistance, said means being graduated in speed units.

2. A speed measuring mechanism comprising, in combination, a plurality of slidewires, each

energized from a source of direct current and having a movable contact, means for moving said contacts consecutively along said slidewires at a rate proportional to the speed to be measured, a series circuit connected to one end of each of said slidewires and to the contact therefore, a condenser and a fixed resistance connected in each of said series circuits, voltage measuring means, and means for connecting said fixed resistances selectively to said voltage measuring means.

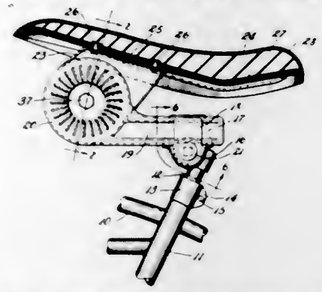
2,575,495
BRUSH MOISTENER
August C. Hummel, Cincinnati, Ohio
Application March 9, 1950, Serial No. 148,535
6 Claims. (Cl. 91—38)



1. In an adhesive tape moistener of the class wherein a fountain brush projects upwardly out of a water container having a cover plate including a tape guide resting on the fountain brush end and under which tape is adapted to slide so as to be moistened by the water on the brush end, the combination with said tape guide of a porous strip covering at least the portion of the tape guide resting on the fountain brush so that water from the brush is absorbed by and moistens said porous strip, thus moistening the tape on both surfaces when it is slid between the porous strip and the brush end, said tape guide comprising a strip spaced away from said cover plate to provide a tape receiving slot and said porous strip comprising felted material covering the bottom of said tape guide and projecting upwardly through said tape receiving slot and folded over the top of said guide strip and retained in position by means on top of said guide strip, said means comprising a clamp bar positioned over the guide strip and clamping a portion of the felted material between the bar and the guide strip.

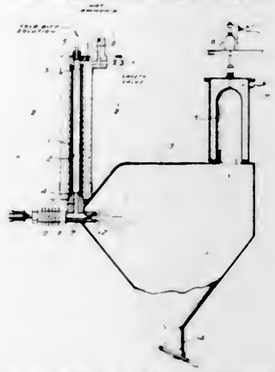
2,575,496
SEAT SUSPENSION
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 29, 1949, Serial No. 73,465
4 Claims. (Cl. 155—5.20)

1. A cycle seat suspension for cushioning relative movement of a supporting cycle structure and a supported seat structure comprising a pair of frustro-conical shaped members in spaced-apart coaxial relationship for mounting on one of the structures, a connecting element extending between the members of said pair and mounted thereon for limiting relative spreading movement of the members of said pair, an arm member extending between the members of said pair and around said connecting element for mounting on the other of the structures, and annular bodies of resilient rubber-like material interposed between the arm member and the members of said pair and disposed around said connecting element for cushioning relative turning movement of said arm member and the members of said pair in shear, each of said annular bodies having a greater thickness at the radially outer portion than at the radially inner



portion and having grooves extending radially outward and said arm member and the members of said pair having ribs extending radially outward in meshing engagement with said grooves and having apertures adjacent said ribs.

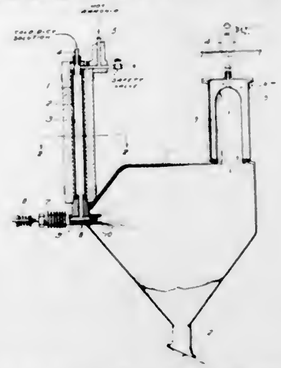
2,575,497
GRAPHITE REACTION TUBE LINER FOR HIGH-TEMPERATURE MELAMINE PLANT
Johnstone S. Mackay, Old Greenwich, and John R. Bower, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 26, 1951, Serial No. 217,685
5 Claims. (Cl. 260—249.7)



1. In the process of making melamine comprising continuously passing a melamine-forming substance through a reaction zone in a tube maintained at a temperature within the approximate range of 350°–600° C., and under a pressure of at least 100 p. s. i., the improvement which comprises passing said melamine-forming substance through a tube whose inner surface is graphite.

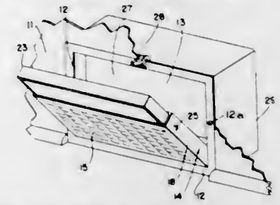
2,575,498
PRODUCTION OF MELAMINE
Johnstone S. Mackay, Old Greenwich, and William P. Lawler, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 26, 1951, Serial No. 217,686
5 Claims. (Cl. 260—249.7)

1. In the process of making melamine comprising continuously passing a melamine-forming substance through a reaction zone in a tube maintained at a temperature within the approximate range of 350°–600° C., and under a



pressure of at least 100 p. s. i., the improvement which comprises passing said melamine-forming substance through a tube the inner surface of which is aluminum.

2,575,499
REMOVABLE FIBRE GLASS FILTER
Max S. Manow, Columbus, Ohio
Application March 10, 1949, Serial No. 80,650
7 Claims. (Cl. 183—49)



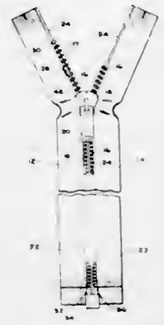
1. A filtering device for an enclosure comprising a casing of a heating well having an inlet opening and an outlet opening; a support normally positioned in said outlet opening, provided with a reticulated grill on one face thereof, and having flanges providing guideways; and a filter unit removably and slidably positioned in said guideways and fitting snugly therein so that when the support is positioned in said outlet opening, air moving through said casing passes through said grill and said filter unit into the enclosure.

2,575,500
PISTON PACKING
Charles A. Marien, and Frank D. Frisby, St. Louis, Mo., assignors, by mesne assignments, to Ramsey Corporation, a corporation of Ohio
Application May 12, 1947, Serial No. 747,524
1 Claim. (Cl. 309—47)



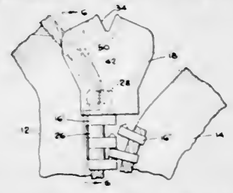
A piston packing comprising three rings in juxtaposition, the center ring consisting of a helically wound element having two cylinder contacting surfaces, and the outer rings being split and having cylinder contacting surfaces and bosses forming a part of the outer rings for maintaining said surfaces in spaced relation with the center ring.

2,575,501
QUICK DISASSEMBLY SLIDE FASTENER
Frederick Ulrich, Jersey City, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application January 27, 1949, Serial No. 73,097
7 Claims. (Cl. 24—205.11)



1. A quick disassembly slide fastener comprising a slider-retaining stringer, a slider-releasing stringer, a releasing end stop secured to the fastener near the top thereof, and a slider having a Y-shaped channel, said stringers being formed of beaded edge tape having spaced, interlockable fastener elements secured thereto, said slider-releasing stringer having the beaded edge extending beyond its uppermost fastener element for the length of the tape, said slider being formed with a tape slot of uniform width dimensioned to permit the slider, when beyond the releasing end stop and said uppermost fastener element, to be released readily by the slider-releasing stringer notwithstanding the presence of the beaded edge, said slider comprising spaced top and bottom wings joined by a neck at one end thereof, only one of said wings being provided with a pair of inturned rails, the other of said wings having a rail on the slider-retaining stringer side of the fastener only, whereby the tape slot on the slider-releasing stringer side is wider than the tape slot on the slider-retaining stringer side and is wide enough to pass the beaded edge of the tape.

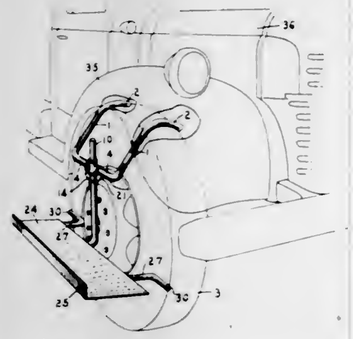
2,575,502
QUICK DISASSEMBLY SLIDE FASTENER
Robert I. Prupis, Irvington, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application April 5, 1949, Serial No. 85,553
10 Claims. (Cl. 24—205.11)



1. A quick disassembly slide fastener comprising a slider-retaining stringer, a slider-releasing stringer, each of said stringers being formed of tape having spaced, interlockable fastener elements secured thereto, a slider having a Y-shaped channel, a releasing end stop secured to the fastener near one end thereof, and a positive end stop secured to the slider-retaining stringer, said

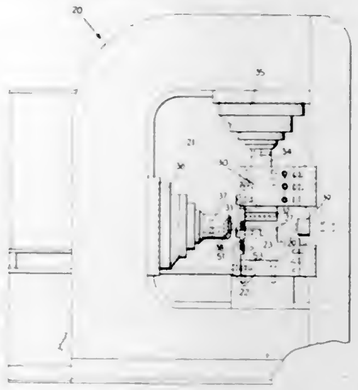
positive end stop being spaced beyond the endmost element on the slider-releasing stringer by an amount less than the length of the slider, and said releasing end stop being located below the positive stop an amount less than the length of the slider so as to permit the top of the slider to reach the positive end stop when the slider is temporarily halted by the releasing end stop within the slider channel, said slider having a stop surface for engaging said positive end stop, said stop surface being so located within the slider that when the slider is moved beyond the releasing end stop and finally halted by the positive end stop, the positive end stop is received within the slider channel a distance sufficient to permit the slider to clear the endmost element on the slider-releasing stringer, whereby the stringers may be stripped apart.

2,575,503
MECHANIC'S SUPPORT
Wesley S. Warren, Ann Arbor, Mich., assignor to Miller Manufacturing Co., Detroit, Mich., a corporation of Michigan
Application May 11, 1948, Serial No. 26,357
1 Claim. (Cl. 304—15)



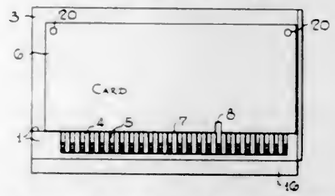
A mechanic's supporting device for use with an automotive vehicle comprising, a yoke structure having two spaced arms with hooked ends adapted to engage over the top of a wheel of the vehicle to suspend the device therefrom, the yoke structure having a bight portion connecting the arms at ends thereof opposite the hooked ends, a fitting in the central part of the bight portion having a passage therethrough extending substantially vertical when the yoke structure is suspended from the wheel, a single post, said post being arranged to slidably and removably fit in the passage of the fitting, releasable means for holding the post in adjusted position in the fitting so that the post depends therefrom when the yoke is suspended from the wheel, the lower end of the post extending outwardly from the wheel, a plate mounted substantially centrally on the lower outwardly extended end of the post and adapted to have a mechanic stand thereon, and struts secured to the plate on the underside thereof and adjacent opposite ends thereof, said struts projecting from the plate and having end portions adapted to engage the wheel on opposite sides of a vertical center line through its axis to stabilize the plate.

2,575,504
HOT PIN HEADING MACHINE
Fred J. Wright, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 18, 1949, Serial No. 71,465
13 Claims. (Cl. 10—11)



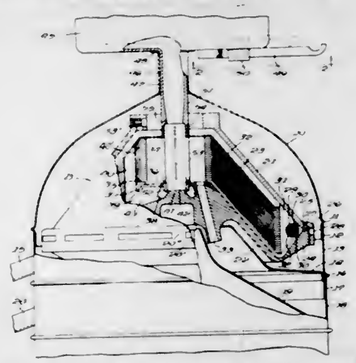
9. A pin heading machine including a frame, a top clamping cylinder on the top of said frame and extending downwardly into said opening, a vertically reciprocal clamping member on the bottom of said top clamping cylinder, a horizontally reciprocable clamping member adjustable into clamping aligned position with said first named clamping member and adjustable into a pin receiving position out of alignment with said first clamping member, and a heading die member in alignment with said first clamping member reciprocable at right angles to the direction of reciprocation of said horizontally reciprocable clamping member adapted to head a pin held between said clamping dies.

2,575,505
CARD RECORD SORTING DEVICE
Frank V. Zendzian and Henry Macaluso, Clifton, N. J.
Application April 26, 1949, Serial No. 89,626
2 Claims. (Cl. 129—16.1)



1. In a punched-edge card sorting device comprising a flat base serving as a rest for the punched edges on the cards when said cards are stacked, a series of uniform, parallel grooves disposed on the surface of said base at right angles to said cards, at least one side guide for said cards, projecting upwardly from said base, a back support for said cards attached to said base and a flat sorting tool having a straight upper edge and fitting easily into the punched portions of said cards and of uniform thickness sufficient to enable sliding thereof in any one of said grooves for effecting the card sorting operation, the improvement comprising an extension on said base behind said back support, terminations of said grooves disposed in said extension, said terminations comprising rearwardly and upwardly inclined smooth bottom surfaces reaching a height substantially equal to the depth of said grooves and serving to elevate the rear end of said tool and the cards riding thereon which are unpunched in the portion above the tool, an opening in the bottom of said back support, adjacent the grooves and of sufficient height to allow said tool to pass therethrough and be raised over said groove terminations, said tool having a narrow rear portion of height substantially equal to the depth of said grooves, and having a front portion of height substantially equal to the depth of said grooves plus the height of the narrow rear portion of said tool, the juncture between the front and rear portions at the bottom edge of said tool being sloped forwardly and downwardly to facilitate lifting of the forward portion of the tool after it is pushed backwardly in a groove and when the rear end of said tool reaches said termination of the groove in said extension of the base.

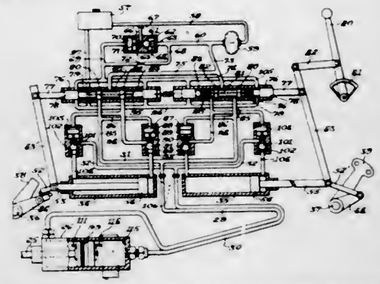
2,575,506
SELF-WASHING CENTRIFUGE
Russel D. Acton, Chicago, Ill.
Application June 24, 1946, Serial No. 678,911
21 Claims. (Cl. 233—1)



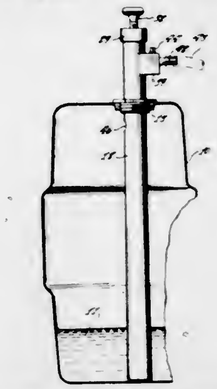
1. A bowl construction for a self-washing centrifugal separator comprising a bowl structure formed with a compartment therein, a stack of spaced conical disks mounted in said compartment, said disks having aligned center openings to provide a generally cylindrical space extending axially of the bowl structure, a distributer chamber formed in said structure at the bottom of said cylindrical space, said distributer chamber being provided with radially delivering outlet means, said disks being formed with aligned openings eccentric to the center openings and communicating with said outlet openings means, foraminous means extending through the cylindrical space and to the distributer chamber for supplying liquid thereto, and means for blocking flow of liquid through said distributor chamber thereby diverting the liquid flow from the distributer chamber through the foraminous means.

2,575,507
HYDRAULIC POWER DEVICE
Russel D. Acton, Chicago, Ill.
Continuation of application Serial No. 760,642, July 12, 1947. This application May 13, 1949, Serial No. 93,087
16 Claims. (Cl. 60—52)

16. A power control device for tractor connected implements comprising in combination with a tractor and an implement connected thereto, said implement having a part to be adjusted, a fluid pump adapted to be driven from the power plant of the tractor, two independent piston and cylinder devices mounted on the tractor, means operable from said pump for actuating said devices, a remote piston and cylinder device having a fluid capacity equivalent to both of the tractor mounted devices, and means for delivering fluid from said tractor mounted devices to said remote piston and cylinder device.



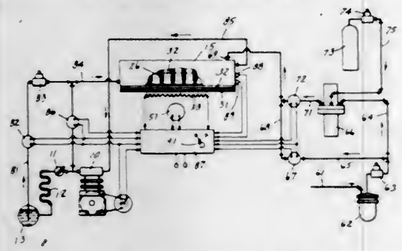
2,575,508
ACID PUMP
Paul Balletto, Douglaston, N. Y.
Application October 28, 1950, Serial No. 192,676
1 Claim. (Cl. 103—153)



A pump construction comprising inner and outer sleeves, said inner sleeve providing the pump cylinder and connected to the side wall of the outer casing eccentrically removed from the center of the outer casing whereby to provide an elevating passage for the liquid, thereby providing a unitary single pipe for the entire pump construction, a plunger operable in the inner casing and a rod secured to the plunger extending upwardly through the outer ends of he casing, a cap surrounding the upper ends of the casing, the lower end of the inner casing being elevated from the lower end of the outer casing, and a trap valve assembly secured in the lower end of the outer casing, a discharge fitting secured to the outer casing and having openings in communication with the vertical passage of the outer casing and said trap valve assembly comprising a cup-shaped retaining member having a bottom opening, a sleeve in the cup-shaped retaining member having opposing guide slots in the opposite walls thereof, a trap valve plate having projections

operable in the slots and a trap valve element of skirted formation secured to the trap valve plate and adapted to lie over the opening in the retaining cup.

2,575,509
ICE PRODUCT AND METHOD OF MANUFACTURING
John R. Bayston, Chicago, Ill., assignor, by mesne assignments, to Icecrafter Trust, a trust comprising John R. Bayston, Van Nuys, and Bernidine B. Oliver, North Hollywood, Calif., and Ward M. Vanderpool, Rockford, Ill., trustees
Application February 18, 1948, Serial No. 9,340
4 Claims. (Cl. 62—172)



1. An ice product consisting of a frozen water containing carbon dioxide in a free volume ratio of between 1.33 and 5 volumes of gas to a given volume of water, and at least .005 volume of oxygen.

2,575,510
CULTIVATOR SPRING TRIP
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 9, 1946, Serial No. 646,597
1 Claim. (Cl. 97—184)

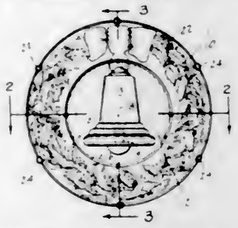


For use in a cultivator or the like including a standard, a tool movably connected therewith, and a pair of pivotally interconnected toggle links connected between said standard and said tool, the improvements comprising a generally U-shaped spring member having a central stand-and-engaging portion adapted to engage one edge of said standard, and side portions, each including a coil spring section and each of said coil spring sections comprising a plurality of equal diameter turns, the laterally inward turn of which is connected to said standard-engaging portion and the laterally outermost turn of which terminates in a laterally inwardly bent portion the extremity of which is shaped to form an end lying in a plane substantially coinciding with the plane of the laterally inward turn of the associated coil section, the ends of said side portions extending substantially in parallelism, a pair of abutments carried at opposite sides of one of said toggle links, said generally parallel spring ends lying against the sides, respectively, of and slidable across said abutments, the latter comprising shouldered parts arranged on said link with the shoulders disposed laterally outwardly thereof distances sufficient to slidably receive said spring ends, respectively, and to hold said ends from becoming disengaged from said abutments in a laterally outward direction, and a cross bar adapted to engage the other side of said standard and having parallel end portions receiving said coil spring sections, respectively, and a central shouldered portion lying between and substantially in contact with the inward turns of said coil sections.

2,575,511
MONOPOTASSIUM PHOSPHATE PIEZO-ELECTRIC CRYSTALS
Marie Bruzau and Charles Meuleau, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 22, 1948, Serial No. 61,521. In France November 21, 1947
2 Claims. (Cl. 23—300)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A process for obtaining a large crystal of mono-potassium phosphate consisting in suspending a germ crystal in a supersaturated solution of mono-potassium phosphate and adding thereto caustic potash and potassium borate thereby forming a large crystal on the germ crystal by crystalization of the solution.

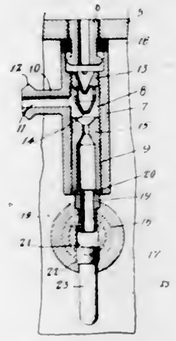
2,575,512
HOLLOW DISPLAY ARTICLE
Richard H. Erlewine, Marion, Ind., assignor to General Plastics Corporation, Marion, Ind., a corporation
Application April 22, 1948, Serial No. 22,552
2 Claims. (Cl. 240—10)



1. A surface illuminated article comprising a pair of opposed and mating sections of translucent sheet material, each section being preformed to provide a decorative rim curved in cross section, the outer periphery of each section terminating in mating outwardly extending flanges and the inner periphery merging into an intermediate wall portion of less depth, a metal form removably mounted about the rim and seatable on the flange of each section, a series of spaced clamps engageable over said forms upon said sections being assembled with their respective flanges abutting and with said wall portions in opposed spaced relation, an outwardly formed decorative enlargement in each

wall, and an illuminating element mounted within said enlargements adapted for illumination thereof and dissemination of light rays through the space intermediate said wall portions to the said rims.

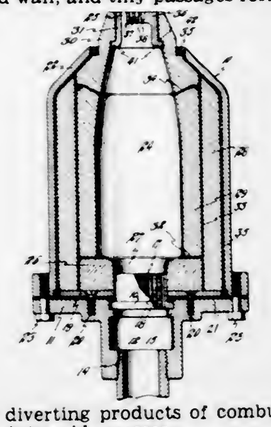
2,575,513
DETACHABLE ASPIRATOR
Le Roy G. Fox, Glendale, Calif., assignor to E & J Manufacturing Co., Glendale, Calif., a corporation of California
Application September 10, 1948, Serial No. 48,591
4 Claims. (Cl. 128—277)



1. A detachable aspirator adapted to be attached to a device for supplying oxygen, said oxygen supplying device having a supporting column and a nipple adjacent said supporting column, through which nipple oxygen is ported from said oxygen supplying device, comprising: a body having an opening for the reception of the nipple on said oxygen supplying device and a sealing member to seal said body against said oxygen supplying device, a Venturi jet threadably mounted therein, a Venturi tube threadably mounted in said body and a nipple adjacent said jet, a boss attachable to the supporting column of said oxygen supplying device and rotatable thereon, means for porting the discharge from said Venturi tube through said boss into said column, said means comprising a passage through said boss, and a tube inserted in said passage and engaging said Venturi tube, said boss holding said tube against the end of said Venturi tube and said body against said sealing member.

2,575,514
INTERNALLY FIRED GAS BURNER WITH RADIANT END WALL
Alfons A. Furczyk, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application July 31, 1946, Serial No. 687,263
6 Claims. (Cl. 158—99)

1. A gas burner for heating work comprising structure including a hollow body which provides a substantially closed combustion space having an inlet through which fuel to be burned in said space is introduced and a restricted outlet through which products of combustion are exhausted, said space having its inner wall surface and outlet composed substantially entirely of high temperature refractory material, the end of said body adjoining said restricted outlet including a thin refractory wall forming on its outer portion an exposed surface, said wall at a face thereof having a plurality of spaced apart recesses, said recesses being formed at the outer face of said wall, and tiny passages formed in the



latter for diverting products of combustion from said space into said recesses.

2,575,515
GUN TRAP FOR PREDATORY ANIMALS
Hershey Roy Graybill, Manheim, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application November 27, 1945, Serial No. 631,017
6 Claims. (Cl. 43—84)



1. A gun trap comprising a hollow body member having a top portion and an apertured bottom portion, a firing pin in the body member, resilient means for actuating the firing pin, a channeled trigger reciprocable within the body member and having a portion projecting out through the aperture in the bottom of the body member, a sear laterally supported within the channel of the trigger member and swingably connected with the bottom of the body member for releasably holding the resilient means against the actuation of the firing pin, and anchoring means for the projecting portion of the trigger.

2,575,516
GLOW TUBE SWITCH
Glenn E. Hagen, Lawndale, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application June 20, 1949, Serial No. 100,178
11 Claims. (Cl. 315—229)

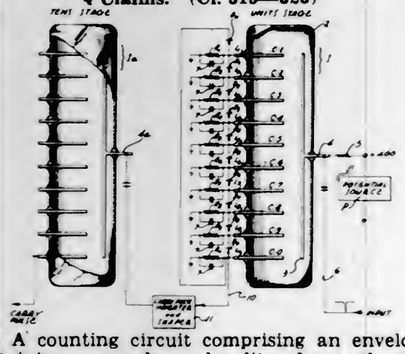
1. A glow tube switch comprising an envelope containing a filling of gas at non-arcing cathode

glow discharge pressure, an anode in said envelope, a lead for said anode, two cold cathodes in said envelope adjacent said anode, a capacity between said cathodes, a cathode resistor connected at one end to a cathode, a second cathode resistor connected at one end to the other cathode, the other ends of said cathode resistors being connected together to form a cathode lead, a



single resistor directly connected to one of said leads, a potential source connected to the other of said leads, said single resistor and said source being connected together in series to place said anode at a positive potential, a pulse input line connected to the lead to which said single resistor is directly connected, and a pulse ouput line connected to one of said cathodes.

2,575,517
GLOW TUBE COUNTING CIRCUIT
Glenn E. Hagen, Lawndale, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application January 21, 1950, Serial No. 139,820
4 Claims. (Cl. 315—323)

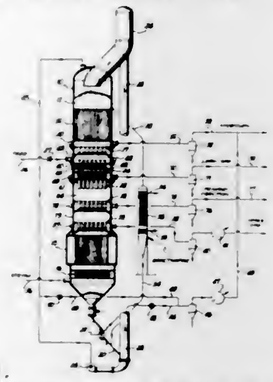


1. A counting circuit comprising an envelope containing an anode, a plurality of spaced cathodes, and a filling of ionizable gas at glow discharge pressure, an anode resistor connected to said anode and to the positive pole of a potential source, a cathode resistor connected to each of said cathodes and to the negative pole of said source, a capacity across each of said cathode resistors, unidirectional conducting means connected between each of said cathodes in a serial order and conducting current in the same direction, and a pulse input connection to said anode.

2,575,518
ION EXCHANGE MATERIAL AND USE THEREOF
Eric Leighton Holmes, Northants, and Lucie Evelyn Holmes, Richmond, Surrey, England
No Drawing. Application November 30, 1946, Serial No. 713,386. In Great Britain August 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 30, 1965
9 Claims. (Cl. 210—24)

2. A process of treating water containing both bicarbonates and salts of strong acids to reduce the bicarbonates without producing substantial quantities of free mineral acidity in the water which comprises flowing said water through a bed of cation exchange resin containing exchangeable hydrogen, said resin comprising a water insoluble reaction product of a salt of chloracetic acid with formaldehyde and a substance selected from the group consisting of phenols and tannins.

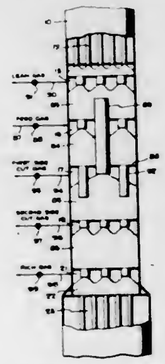
2,575,519
ADSORPTION PROCESS
Donald H. Imhoff and Clyde H. O. Berg, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 9, 1946, Serial No. 682,206
6 Claims. (Cl. 183—114.2)



6. A continuous process for the separation of fixed gases contained in a gaseous mixture which comprises permitting a moving bed of solid granular adsorbent to move downwardly by gravity through successive zones of adsorption, rectification, and stripping, countercurrently contacting said gaseous mixture with the moving bed of granular adsorbent in the adsorption zone so as to adsorb more readily adsorbable gases therefrom, removing unadsorbed gas from said adsorption zone, contacting the adsorbent in the rectification zone with reflux returned from the stripping zone, heating the adsorbent in the stripping zone so as to desorb more readily adsorbable gases therefrom, removing one portion of the so desorbed gases as make gas and introducing another portion to the rectification zone to act as said reflux, maintaining said adsorption zone at substantially atmospheric temperature and at a pressure greater than about 50 pounds per square inch, and recirculating the adsorbent through said adsorption, rectification and stripping zones at a rate below about 1,000 pounds per hour per MSCF of fixed gas feed.

2,575,520
ADSORPTION PROCESS
Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 19, 1947, Serial No. 755,754
16 Claims. (Cl. 183—4.2)

1. A process for the continuous separation of normally gaseous mixtures containing constituents of varying degrees of adsorbability into at least four fractions which comprises passing a bed of solid granular adsorbent downwardly by gravity successively through a cooling zone, an adsorption zone, a primary rectification zone, a secondary rectification zone, a tertiary rectification zone and a desorption zone, introducing said gaseous mixture into the lower portion of said adsorption zone thereby adsorbing more readily adsorbable constituents from said gaseous mixture to form a rich adsorbent and a substantially unadsorbed gas containing less readily adsorbable constituents, removing said unadsorbed gas from said adsorption zone as a lean gas product, passing said rich adsorbent from the lower portion of said adsorption zone into the upper portion of said primary rectification zone, passing a portion of enriched adsorbent from the central portion of said adsorption zone through but independent of said primary rectification zone into the upper portion of said secondary rectification zone, passing adsorbent from the lower portion of said primary rectification zone into the central portion of said secondary rectification zone, contacting the combined adsorbent present in the lower portion of said secondary rectification zone with a reflux gas containing more readily adsorbable constituents thereby desorbing from said enriched adsorbent a gas containing constituents of intermediate adsorbability and forming a partially rectified adsorbent, introducing a



portion of said desorbed gas into said primary rectification zone to serve as reflux therein, removing the remaining portion of the thus desorbed gas from said secondary rectification zone as a first side cut gas product, passing said partially rectified adsorbent from said secondary rectification zone into said tertiary rectification zone, contacting the partially rectified adsorbent in said tertiary rectification zone with a reflux gas containing the most readily adsorbable constituents thereby desorbing from said partially rectified adsorbent a gas containing constituents more readily adsorbable than those present in first side cut gas product to form a rectified adsorbent, introducing a portion of the thus desorbed gas containing more readily adsorbable constituents into said secondary rectification zone to serve therein as reflux, removing the remaining portion of the thus desorbed gas from said tertiary rectification zone as a second side cut gas product, desorbing from said rectified adsorbent in said desorption zone the most readily adsorbable constituents adsorbed thereon to form a lean adsorbent, returning a portion of the thus desorbed gas to said tertiary rectification zone to serve therein as reflux, removing the remaining portion of the thus desorbed gas from said desorption zone as a rich gas product, removing the lean adsorbent thus formed from said desorption zone, and returning the thus removed adsorbent to said cooling zone.

11. An apparatus for the separation of a gaseous mixture by selective adsorption on a solid adsorbent which comprises a vertical adsorption column provided at successively lower levels with an adsorption zone, a primary rectification zone, a secondary rectification zone, a tertiary rectification zone, and a stripping zone, means for permitting downward flow of said adsorbent through said zones, means positioned within said adsorption column for passing a portion of the adsorbent from the central portion of the adsorption zone through and independent of said primary rectification zone into the upper portion of said secondary rectification zone, means for passing another portion of the adsorbent from the lower portion of the primary rectification zone to the central portion of said secondary rectification zone, means for introducing said gaseous mixture into the lower portion of said adsorption zone, and means for removing from the upper portions of said adsorption zone, said secondary rectification zone, said tertiary rectification zone and said stripping zone, respectively, a lean gas, a first side cut gas, a second side cut gas, and a rich gas, of successively increasing degrees of adsorbability.

2,575,521
SPRAYING DEVICE
Ralph J. Ireland, Mankato, Minn.
Application June 21, 1948, Serial No. 34,280
4 Claims. (Cl. 299—41)

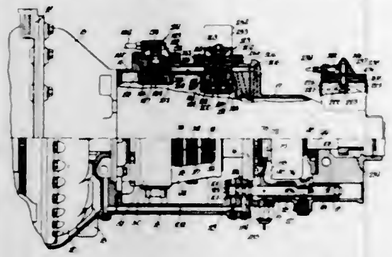


3. In a device of the class described, a mobile frame, a tubular spraying boom secured to said frame for pivotal movements on horizontal and vertical axes, means for maintaining said boom in a desired operative position at substantially right angles to the direction of movement for pivotal movements only on said horizontal axis, a flexible connection between the intermediate portion of said boom and said frame at a point above said pivotal connection, a caster wheel carried by said boom adjacent the free end thereof, the connection between said caster wheel and said boom including a generally vertically disposed spindle, hinge means between said spindle and said boom permitting limited rocking movements of said spindle and wheel on a horizontal axis, and yielding means biasing said spindle and wheel in a forward direction.

2,575,522
TRANSMISSION
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 14, 1946, Serial No. 690,517
14 Claims. (Cl. 74—752)

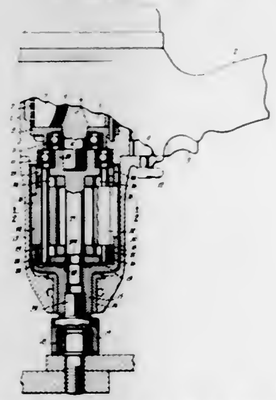
1. In a transmission for motor vehicles, change speed mechanism, pressure fluid operated means for controlling operation of said mechanism for different ratio drives, a fluid pressure system

adapted to operate said means, and including pump means, driver operated shift mechanism for controlling operation of the transmission for forward or reverse drive or neutral, means operated by the fluid pressure for locking the shift



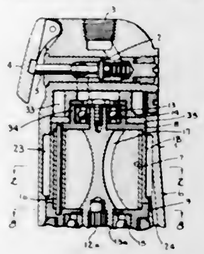
mechanism against operation while the latter is in forward position and the vehicle is in motion, and a valve preventing operation of said locking means when the shift mechanism is in forward position, the engine is idling and the vehicle is standing still.

2,575,523
IMPACT TOOL
Walter G. Mitchell, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application February 16, 1946, Serial No. 648,063
1 Claim. (Cl. 192—30.5)



An impact clutch of the character described comprising relatively rotatable hammer and anvil members, the anvil member having spaced jaws and radially extending openings therebetween on opposite sides thereof, and clutch elements mounted on the hammer member having projecting impact delivering portions movable radially through said openings into and out of the path of the jaws to clutch and declutch the hammer and anvil members and for imparting rotational hammer blows of equal stress in the relative rotation of the two members, said clutch projecting portions being of substantially equal lengths and unbroken and continuous throughout their entire lengths and being offset axially with one projecting portion extending forwardly a greater distance than the other and said other projecting portion extending rearwardly to a greater extent, and said anvil openings having lengths complementary to the lengths of the projecting portions to receive the same when in registry therewith in the rotative operation of the hammer member and being offset axially to provide a trackway at the extreme rearward edge of one opening against which the non-registering projecting portion may ride and a trackway at the extreme forward edge of the other opening against which the other non-registering projecting portion may ride to allow only the registering projecting portions to enter their corresponding anvil openings.

2,575,524
ROTARY TOOL
Walter G. Mitchell, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application October 10, 1946, Serial No. 702,399
4 Claims. (Cl. 121—34)

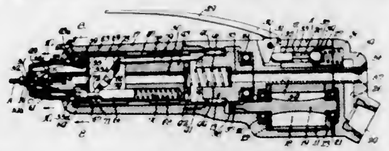


1. In a fluid actuated rotary tool, an outer casing, a cylinder bushing non-rotatably mounted in said outer casing and providing a rotor chamber, a rotor eccentrically mounted in said chamber, a pair of longitudinally extending inlet passages in the bushing and connected with said chamber on opposite sides of the rotor for selectively supplying fluid pressure to the opposite sides of the chamber for rotating the rotor in opposite directions, a sleeve disposed between said casing and said bushing and fitting about said bushing and shiftable relatively thereto and relatively to the casing, said sleeve and said bushing having exhaust ports therein to be selectively brought into and out of register in the shifting of the sleeve to control the direction of rotation of the rotor, means for shifting the sleeve, an end plate at one end of said bushing having a pair of inlet passages in register with the inlet passages of the bushing, and a valve plate revolubly mounted on said end plate and connected to a source of fluid pressure and having inlet ports adapted to alternately register with said end plate inlet passages to supply fluid pressure to said rotor chamber through said end plate and said bushing.

2,575,525
POWER OPERATED SCREW STICK SCREW DRIVER
Walter G. Mitchell, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application March 27, 1948, Serial No. 17,561
29 Claims. (Cl. 144—32)

5. In a screw driver adapted to drive into work the successive screws of a screw stick having non-circular heads, the combination of a rotatable driving member, a screw driving chuck engageable with and driven by said driving member and having a non-circular portion adapted to grip the screw head of the second screw of the stick next following the leading screw to drive the leading screw into said work, and means for

effecting relative rotational movement between the chuck and the head of said second screw upon advancement of the screw stick to effect

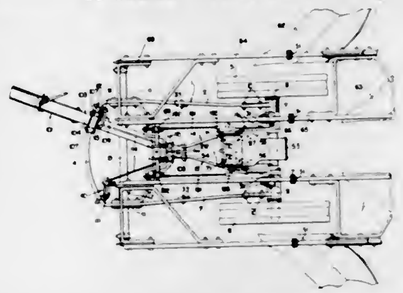


proper alignment of a non-circular screw head of said second screw with said non-circular portion of the chuck for ready entry of the screw head of said second screw therein.

2,575,526
METHOD OF SEPARATING FATTY ACIDS
Latimer D. Myers, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 24, 1945, Serial No. 612,545
25 Claims. (Cl. 260—419)

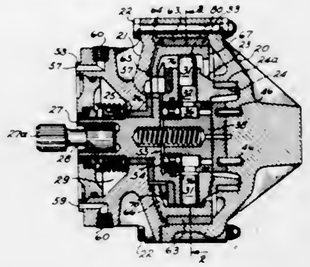
1. The method of obtaining batches of mixed fatty acids of different melting points, said method comprising preparing fatty amides, dissolving the fatty amides in a solvent, lowering the temperature of the solvent to precipitate part of the fatty amides dissolved, separating the precipitated fatty amides from the fatty amides remaining in solution, separating the fatty amides from the solvent, and converting the fatty amides into corresponding fatty acids.

2,575,527
TWO-WAY PLOW
Orey W. Oerman, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 2, 1944, Serial No. 547,784
18 Claims. (Cl. 97—29)



2. A towed two-way plow comprising a wheeled frame, a pair of right and left hand units connected therewith for movement into and out of working position, a hitch pivoted thereto and swingable laterally from one position to another, depending on which of said units is in working position, a pair of latches, one for each position, for optionally locking said hitch in either position, means for controlling said latches comprising a pair of simultaneously operable cam sections adapted to move either latch out of engaged position and release the other latch for engagement with said hitch, a pair of half-revolution clutches connected to raise said units, and mechanism for causing each of said clutches to operate said cam sections and control said latches.

2,575,528
HYDRAULIC FLUID MECHANISM
John W. Overbeke, Cleveland, Ohio
Application July 31, 1946, Serial No. 687,399
7 Claims. (Cl. 103—161)

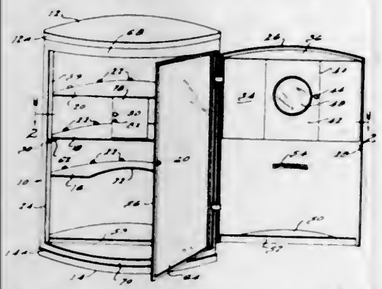


1. A hydraulic device comprising a casing supporting a fixed valve member at one end thereof, a cylinder block mounted for rotation in the casing, the fixed valve member having a valve face symmetric about the axis of rotation of the cylinder block, the cylinder block having radially directed cylinder openings and an axially directed opening extending into the cylinder block from the fixed valve end thereof, a movable valve member positioned in the axially directed opening and having a valve face cooperating with the face of the fixed valve member, the movable valve member being constrained to rotate with the cylinder block but free to move axially to engage the fixed valve member, the valve members having cooperating ports and passageways for conducting fluid to and from the cylinder openings as the cylinder block rotates, pistons in the cylinder openings having domed outer ends, an annular member surrounding the cylinder block and mounted in the casing for rotation about an axis eccentric to the axis of the cylinder block, the inner surface of the annular member being slightly frustro-conical with respect to the axis of the annular member and the domed heads of the pistons bearing against that surface, and a coupling device between the cylinder block and the ring for positively driving the ring with the cylinder block, whereby the slight component of axial thrust due to the engagement of the domed heads of the pistons with the inner surface of the annular member serves to minimize relative vibration between the movable valve member and the cylinder block and the fixed valve member.

2,575,529
PROCESS FOR THE IMPROVEMENT OF VEGETABLE DRYING AND SEMIDRYING OILS
Sol B. Radlove, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
No Drawing. Application October 29, 1947, Serial No. 782,884
11 Claims. (Cl. 260—405.6)

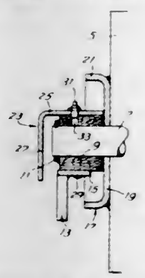
1. The process of producing the catalytic isomerization of vegetable drying and semi-drying oils and their derivatives comprising the step of heating the oil at a temperature of from 250° to 315° C. in the presence of an organic compound having a chemical structure including a quinone radical, said organic compound being present in the amount of approximately 2 to 5 parts by weight to each 100 parts of the oil treated.

2,575,530
WALL CABINET
Robert B. Reid, Grosse Pointe, Mich.
Application September 24, 1945, Serial No. 618,366
4 Claims. (Cl. 312—223)



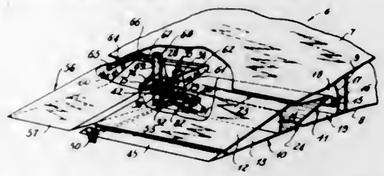
1. A wall cabinet comprising a casing having a top, a bottom and a vertical surrounding wall, the latter provided with an opening; shelving mounted in said casing with the forward edges thereof spaced inwardly from the front of the casing; a door hingedly mounted in the casing, when in the closed position said door being disposed entirely within the casing and adjacent the forward edges of the shelving so that said top and bottom of the casing project forwardly of the door and the projecting portion of the bottom constitutes a supporting shelf in front of the door; a mirror on the front of said door; and light means mounted on the projecting portion of said top, said light means being disposed in front of the door when the latter is in the closed position whereby to illuminate the mirror and behind the door when the latter is open or partially opened, the rear surface of the door being light reflecting whereby said door, when partially opened, reflects light from the light means into the interior of said casing.

2,575,531
BEARING GUARD
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application October 8, 1947, Serial No. 778,643
5 Claims. (Cl. 308—36.1)



1. In combination with a rotatable member having a supporting shaft and a bearing block for said shaft, a guard of the class described including a cup-shaped member having a circular base plate and an annular rim disposed therearound, means for rigidly attaching said cup-shaped member to said rotatable member in a manner such that said annular rim extends outwardly from said rotatable member and is concentric with said shaft, said rim being proportioned to extend over at least a portion of, and protectively around, said bearing block, and a generally horizontally extending plate member attached to one face of said bearing block, said plate member being proportioned to fit within said cup-shaped member and having edges which are closely adjacent the base of said cup-shaped member and said annular rim whereby rotation of said rotatable member causes said annular rim and said plate member to coact so as to prevent crop material from becoming entangled about said shaft.

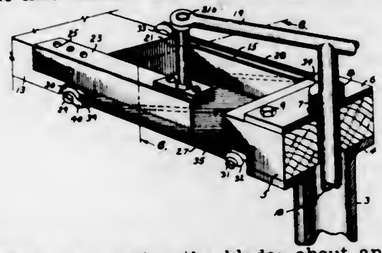
2,575,532
AIRPLANE CONTROL DEVICE
William R. Sears, Inglewood, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application January 20, 1945, Serial No. 573,684
11 Claims. (Cl. 244—82)



9. In an aircraft, the combination of a wing, a pitch control surface hinged to said aircraft and connected to be swung vertically by the pilot of said aircraft to change the angle of attack of said wing, a flipper located in the trailing edge of and forming a part of said wing, and pivotally hinged thereto on a horizontal axis with respect to said aircraft when in level position for free vertical swinging movements when acted upon by changes in the chordwise pressure distribution over the wing due to changes in the angle of attack, said flipper, because of said pressure changes, having a characteristic tendency at low or moderate angles of attack to deflect upwardly with respect to the wing in relatively small angular increments for a given increment in angle of attack, and as the wing approaches the stalling angle, to deflect upwardly in considerably larger angular increments, a tab hinged to said control surface along a line parallel to that of said control surface and movable with respect to said surface to produce a hinge moment thereon, and means connecting said flipper to said tab to move said tab to angles producing hinge moments on said control surface substantially proportional to the angular deflection of said flipper and tending to move said control surface in a direction to reduce the angle of attack of said wing.

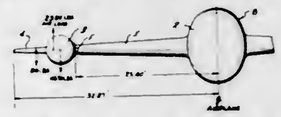
2,575,533
ROTOR BLADE MOUNTING AND CONTROL
Charles M. Seibel, Wichita, Kans.
Application April 16, 1947, Serial No. 741,702
9 Claims. (Cl. 170—160.43)

9. A device for attaching blades of an airscrew to the hub of said airscrew, said attaching device including thin sheets of metal extending radially of the axis of rotation of a hub and each having one end rigidly secured to said hub, radially arranged blades spaced longitudinally thereof from the hub and rigidly secured to the outer ends of the thin sheets of metal, the portions of the thin sheets of metal intermediate the hub and blades being in the form of open section torsional members which are in tension when the airscrew is rotated, and means connected to the blades for effecting longitudinal twisting action of the intermediate portions of said thin sheets



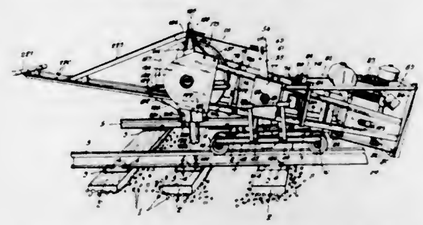
of metal for rotating the blades about an axis substantially parallel to the longitudinal axis of the blades to change the pitch of said blades.

2,575,534
WING-TIP FUEL TANK
Ivan R. Stoughton, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application July 3, 1948, Serial No. 36,989
8 Claims. (Cl. 244—135)



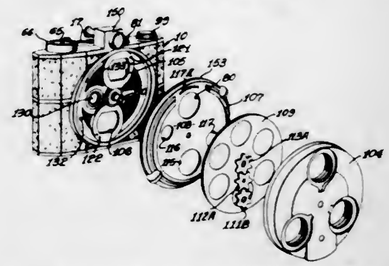
1. A detachable wing tip fuel tank for an airplane, said tank having a streamlined, laterally symmetrical body of substantially circular cross section suitable for containing fuel, and an airfoil projecting from one side only of said body of substantially lesser thickness than the major diameters of said body.

2,575,535
SPIKE HAMMER
Henry H. Talboys and Helmer E. Erickson, Milwaukee, Wis., assignors to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 16, 1946, Serial No. 670,129
14 Claims. (Cl. 104—17)



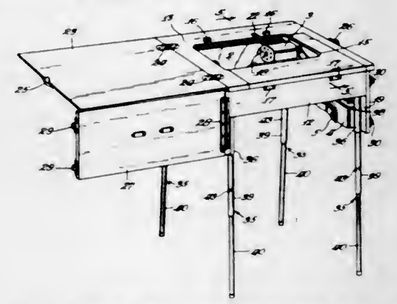
1. For use in a spike driving machine having a turntable support movable along the rails of a track, a hammer structure including a turntable element and a hammer support rotatable with the turntable element, said hammer support being also rotatable in relation to the turntable element about a generally horizontal axis, a hammer assembly at one end of the hammer support and a prime mover at the other end of the hammer support, the hammer assembly including an anvil guide normally fixed in relation to the hammer support, an anvil movable generally vertically in the guide, through a limited excursion, and a hammer rotor having mounted thereon an eccentrically and loosely pivoted hammer member, a driving connection between the hammer rotor and the prime mover, the anvil, when resting at its lower end upon a spike to be driven, having an upper portion extending into the path of the hammer member, as the hammer member rotates with the rotor, and having an extended bottom surface formed and adapted to engage and seat upon the top of a spike.

2,575,536
PLURAL FILM CAMERA
William D. Thompson, San Diego, Calif.
Application July 31, 1947, Serial No. 765,079
11 Claims. (Cl. 95—10)



11. In a camera, the combination of a case, said case having a plurality of picture apertures therein, a lens turret, a shutter turret, means mounting said shutter turret and lens turret for relative independent rotation with respect to said picture apertures, said shutter turret having mounted thereon a single shutter mechanism to control the amount of light passing therethrough for movement therewith into registry with any one of said plurality of picture apertures, said single shutter mechanism including a cocking lever for cocking the shutter mechanism, and means mounted on said case for engaging and moving said cocking lever when said shutter mechanism is positioned in registry with any one of said picture apertures.

2,575,537
COMBINATION CARRYING CASE AND STAND FOR PORTABLE MACHINES
Harry A. Trumfio, Chicago, Ill.
Application October 27, 1949, Serial No. 123,821
8 Claims. (Cl. 312—30)



8. In a combination carrying case and stand for a portable machine, a rectangular box having a rigid frame comprising top, rear, and end walls, the top wall forming a shelf adapted to support the machine in operative position, a lid hinged

at one end to said frame so as to be adapted in one position to overlie and completely conceal said shelf and being swingable into extended position in coplanar relation with said shelf to form a continuous work supporting surface, said frame having an opening between the front edges of said end walls to accommodate the knees of a person using the machine, a front wall panel hinged at one end to said frame so as to be adapted when closed to cover said opening and being adapted when opened to underlie said top lid in extended position, a bottom wall panel removably secured to said frame, latch means on said frame for locking said lid, front wall panel and bottom wall panel in their closed positions, a carrying handle secured to said front wall panel, corner sockets mounted within said frame, two of said sockets at the front of said frame forming ledges spaced inwardly from said front wall panel at the opposite sides of said opening, and supporting legs adapted to be inserted in said sockets for supporting said frame when the box is used as a stand, said legs being collapsible to fit within said opening for support by said ledges when the box is used as a carrying case.

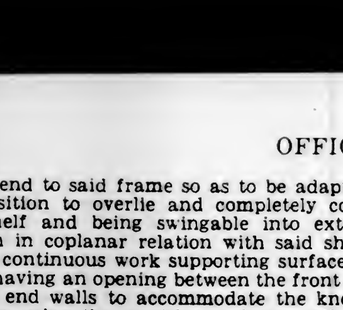
2,575,538

BALING PRESS WITH EXTENSIBLE AND RESILIENT NEEDLE DRIVING MEANS

Miles H. Tuft, Huntington Park, Calif., assignor to Deere Manufacturing Co., a corporation of Iowa

Original application May 19, 1945, Serial No. 594,684, now Patent No. 2,512,754, dated June 27, 1950. Divided and this application October 5, 1946, Serial No. 701,574

5 Claims. (Cl. 100—20)



1. In a baling press, the combination of tying mechanism, a needle, a rotatable power transmitting shaft connected to drive said mechanism, an arm fixed to said shaft, a pivotally supported arm on which said needle is mounted, link means connecting said arms, said link means being extensible, and stop means for arresting the movement of said needle carrying arm in a tying position before the power shaft arm has reached its extreme position, whereby said link means is extended during the tying operation, thereby providing an interval in which the needle is held stationary for tying purposes.

2,575,539

RAZOR

Charles R. Bennett, East Cleveland, Ohio

Application July 24, 1946, Serial No. 685,841

3 Claims. (Cl. 30—47)

1. A shaving article comprising a blade positioning device, spring arms engaged with the end portions of said device, one end of one of said spring arms being removably engaged with said device and the same end of the other of said spring arms being pivotally engaged with said device so that said device can be disengaged from one of said spring arms and swung into a superimposed position with relation to the other of said spring arms, said spring arms being adapted to be superimposed when disengaged from said device, a tubular container having a longitudinally extending slot therein, a block slidably received in said container, means securing the remaining end of each of said spring arms permanently to said block, and means engaged with said block and extending through said slot in said container for moving said block axially of said container, said slot being of such length that said last named means can move said spring arms and device to an inoperative position completely within said container or to a position outside of said container whereat said device can be moved to operative association with said arms.



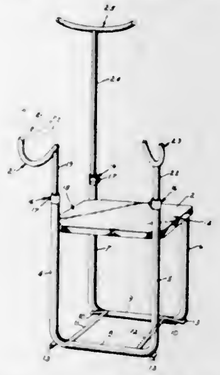
2,575,540

COMBINATION CHAIR AND SUPPORT FOR SOUSAPHONES

Harry J. Wenger, Owatonna, Minn.

Application July 12, 1948, Serial No. 38,208

4 Claims. (Cl. 155—188)



1. In a combination chair and support for a musical instrument such as a sousaphone, a supporting structure comprising a plurality of upright tubular posts forming the front and rear legs of the chair, one of said front legs having a member vertically slidable therein and provided at its upper end with a cradle-like element adapted to engage a portion of the instrument, the rear leg or post on the same side of the chair having a similar member mounted for vertical adjustment therein and provided at its upper end with an arcuately formed supporting element adapted to engage a portion of the instrument,

and a member mounted for vertical adjustment at the opposite side of the seat portion of the chair and having a cross arm at its upper end disposed at an elevation above the instrument engaging elements of said front and rear legs for engaging an intermediate portion of an instrument, and cooperating with said elements to support the instrument in correct playing position upon the chair.

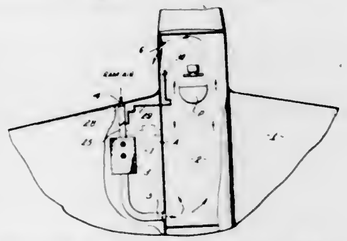
2,575,541

AIRPLANE CABIN COOLING SYSTEM

Loyal A. Williamson, Jr., Los Angeles, and Joe Lemuel Byrne, Gardena, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California

Application June 26, 1948, Serial No. 35,387

1 Claim. (Cl. 62—91.5)



In combination with an airplane cabin having a cooling air inlet and an air outlet, a cabin cooling system consisting of a ram air inlet in the leading edge of a wing of said airplane, a duct inside of said wing leading from said ram air inlet to said cabin cooling air inlet, a heat exchanger in said duct having walls defining a central refrigerant receiving space, said walls having external fins thereon exposed to the air passing through said duct, a filler tube of relatively small diameter as compared to the dimensions of said refrigerant receiving space extending upwardly to open at the upper surface of said wing, a valve in said duct between said ram air inlet and said heat exchanger, manual valve operating means extending from said cabin to said valve, a stationary charge of refrigerant in said refrigeration space consisting of a soupy mixture of CO_2 ice granules and just enough trichlorethylene to cover said granules, said granules being sized so that said mixture can be poured at about $-110°$ F. through said filler tube into said refrigerant space from outside said airplane, and a CO_2 gas outlet for said refrigeration space, circulation of air cooled by said refrigerant charge through said cabin being caused solely by ram air pressure developed by said airplane in flight.

2,575,542

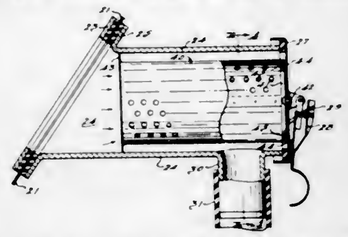
LINT STRAINER

Leo J. Wubbe, Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana

Application April 9, 1948, Serial No. 20,072

4 Claims. (Cl. 210—149)

1. A combined sealing cap and lint trap for sealing the open end of the drain housing of a washing machine or the like for separating the lint from the wash water passing therethrough, comprising a cap adapted to seal the open end of the drain housing, a disc fixedly attached to the inside of said cap, a raised marginal rim on said disc, a perforate cylindrical member of substantially smaller diameter than said housing, and inwardly bent tabs on one end of said member adapted to lie loosely be-



tween said cap and said raised rim thereby flexibly attaching said perforate member to said cap.

2,575,543

DIESEL STARTING FLUID

Hobert D. Young, Harvey, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 31, 1949, Serial No. 84,733

2 Claims. (Cl. 44—56)

1. A starting fluid for compression-ignition engines containing about 15 to 50 per cent by volume of diethyl ether and 85 to 50 per cent of a predominantly straight chain paraffinic, low pour point, light close cut petroleum fraction boiling within the approximate range of 100° to 350° F. selected from the group consisting of normal C_7, C_8, C_9 and C_{10} cuts.

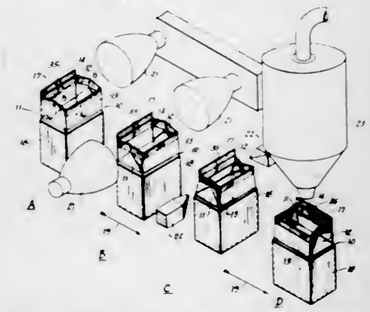
2,575,544

METHOD AND APPARATUS FOR CLOSING AND SEALING CONTAINERS

Julius A. Zinn, Jr., Chicago, Ill.

Application January 26, 1949, Serial No. 72,828

7 Claims. (Cl. 93—6)



1. The method of closing and sealing paraffined or similarly treated paper-board containers of the type having a preformed body portion surmounted by an open mouth portion scored along predetermined fold lines to form a fully depressible bellows type closure, which comprises rigidly supporting said body portion against outward bulging, locally heating said mouth portion to soften the paraffin thereon, applying inwardly directed forces to predetermined end areas of said mouth portion while said paraffin is in softened condition partially to fold said mouth portion along said score lines, progressively forcing opposed side wall panels of said mouth portion inwardly to a substantially flat position, applying heat and pressure to adjacent edges of said side wall panels to seal said

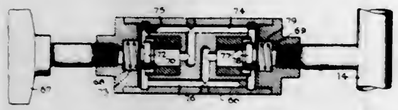
edges together while maintaining said side wall panels in said flat position, and then cooling said sealed edges before releasing said side wall panels.

2,575,545

CIRCUIT FAILURE PROTECTION DEVICE

Martin J. Alger, Jr., Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application June 22,1950, Serial No. 169,673
2 Claims. (Cl. 303—26)



1. The combination of an electro-pneumatic brake system comprising a normally vented straight-air pipe, a normally charged automatic brake pipe; normally inactive application valve means for dissipating the charge in the brake pipe; a pneumatically actuated master controller arranged to control pressure in the straight-air pipe and having pneumatically actuated follow-up means responsive to resulting pressure changes in the straight-air pipe; a control pipe for communicating controlling pressures to said master controller; a reservoir having a restricted inlet and a constantly open restricted vent; electrically controlled valve means energized by said master controller in each functional response thereof and when energized serving to deliver an increment of air under pressure to said inlet; safety means responsive to pressure in said reservoir and serving upon the development of a predetermined pressure therein to cause actuation of said application valve means; and timed switch means for suspending the operation of said electrically controlled valve means synchronously with minor pulses of control pipe pressure, said timed switch means comprising a timing volume, a switch, means biasing the switch closed, a double-acting motor having a movable abutment connected to actuate the switch and subject in a switch opening direction to control pipe pressure and in a switch closing direction to pressure in said timing volume, and means affording at least two parallel connections between said timing volume and the control pipe, namely, a restricted charging connection and a large capacity check valve permitting free flow from the timing volume to the control pipe.

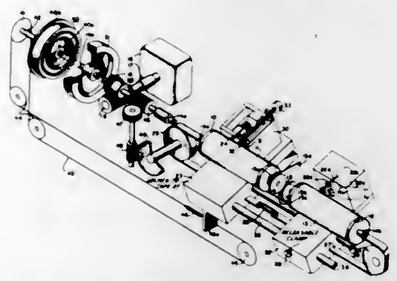
2,575,546

MACHINE FOR PRODUCING SCREENED RELIEF PATTERN PLATES

John A. Boyajean, Jr., Upper Montclair, N. J., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware

Application July 24, 1948, Serial No. 40,594
27 Claims. (Cl. 178—6.6)

1. A machine for producing on a plate from an image sheet a screened relief pattern suitable for image reproduction by printing processes comprising: a first cylinder for supporting a plate; a second cylinder for supporting an image sheet; means for rotating said cylinders synchronously; a first reciprocable carriage including an electro-optical pick-up system disposed for scanning an image sheet on said second cylinder; a second reciprocable carriage including a plate-deforming tool disposed for scanning a plate on said first cylinder; means responsive to the output of said pick-up system for actuating said tool; means for reciprocating said carriages synchronously; an electrical screen generator including a rotor element driven synchronously with said cylinders and an independently rotatable stator; and



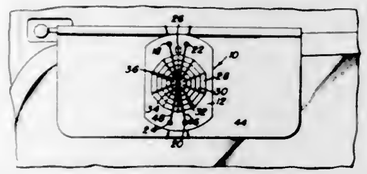
means for rotating said stator at a speed of a lower order of magnitude than said rotor element; the output of said generator being connected to modulate the output of said pick-up system.

2,575,547

MILEAGE DEVICE

Otis F. Bryant, Bismarck, N. Dak.

Application July 28, 1949, Serial No. 107,232
3 Claims. (Cl. 116—133)



2. A mileage indicator comprising a base, a series of decagonal disks superimposed and pivoted to said base for rotation about a common axis, a series of digits ranging from zero to nine respectively evenly spaced upon the surface of each disk adjacent the edge thereof, means for both mounting said device and establishing a reference zone on said series of disks, said last means comprising cords crossing said disks at their common axis and defining wedge-shaped reference zones, said cords being of elastic material.

2,575,548

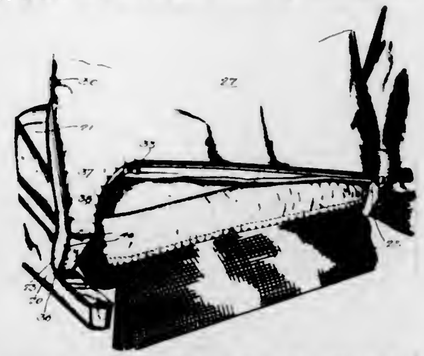
SEAT COVER

Robert E. Carter, Mount Holly Springs, and Harry M. Hutchinson, Carlisle, Pa., assignors to C. H. Masland & Sons, Carlisle, Pa., a corporation of Pennsylvania

Application December 23, 1946, Serial No. 718,000
2 Claims. (Cl. 155—182)

1. In a removable cover for the back of a vehicle seat which is pivoted at a projecting toe portion of the seat adjacent the bottom of the back at one side of the seat, a case portion closed at the front, back and sides having a bottom opening and adapted to envelope the seat back, a fastening between the front and the back across the edges of the bottom opening and a boot at one side extending below the case portion in operative position, having a toe portion extending forwardly, closed over the front, outside and bottom

and having flaps extending on the inside of the boot from the front and from the bottom and a



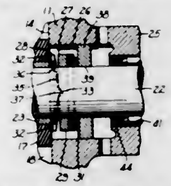
fastening at the inside of the boot holding together the flaps.

2,575,549

ROTARY SHAFT SEAL

Warren Doble, North Hollywood, Calif., assignor, by mesne assignments, to Jabsco Pump Company, Burbank, Calif., a copartnership composed of Maurice C. McCray, Alan A. McCray, Albert R. Hutchins, R. J. McCray, and Warren Doble

Application October 12, 1948, Serial No. 54,057
1 Claim. (Cl. 286—11.15)



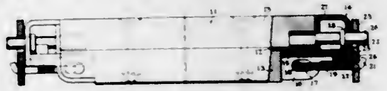
In a shaft seal adapted to be used with a rotatable shaft, the combination of: an annular sealing element adapted to encircle the shaft; an annular follower member adapted to encircle the shaft and to engage said sealing element; and a spring washer member adapted to encircle the shaft and to engage said follower member, said washer member having a central opening of sufficiently large diameter so that when said washer member is axially compressed there is clearance between the wall of said opening and the shaft and of sufficiently small diameter so that when said washer member is not axially compressed said wall grips the shaft.

2,575,550

CARGO-SUPPORTING CROSSBAR

Frank Fahland, Omaha, Nebr.

Application June 29, 1950, Serial No. 171,059
8 Claims. (Cl. 105—369)



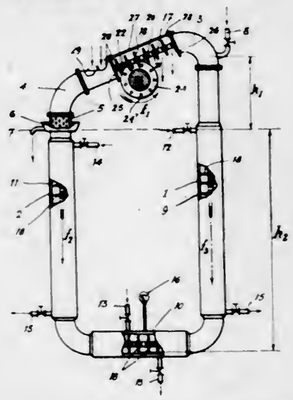
1. Means for locking the end of a beam in abutting relation to an apertured plate-like support to which the beam is substantially perpendicular, comprising in combination with the beam; means carried by the beam and affording a hinge axis transverse to the beam and adjacent to but spaced from said end thereof; a connecting member hinged on said axis and having a hook-shaped end adapted to enter an aperture in the support, as said connecting member is swung about said axis toward a beam-supporting position in which said member is in lateral contact with the beam adjacent said end thereof; and a hook extracting lug carried by said connecting member and serving to engage and react against said support to cause withdrawal of said hook-shaped end as the connecting member swings away from said beam-supporting position.

2,575,551

PROCESS FOR EXTRACTING GELATIN AND GLUE

René E. A. J. Frechin, Darnac, France

Application June 7, 1948, Serial No. 31,516
In France July 1, 1947
3 Claims. (Cl. 260—118)



1. In the production of gelatin products, the steps of continuously passing skin shreds countercurrently with a hot aqueous agent adapted to hydrolyze the collagen in said shreds to gelatin and to extract the gelatin so formed through an elongated extraction zone; maintaining a gradient of rising pressure in said zone from an end thereof to an intermediate portion of the same and a gradient of falling pressure from said intermediate portion to the other end of said zone; continuously supplying heat to said zone; continuously withdrawing a portion of said extracting agent from said zone at a point between the point of ingress and said agent into said intermediate portion of said zone and the shred exit end of said zone and withdrawing the remainder of said extracting agent from said shred entrance end of said zone.

2,575,552

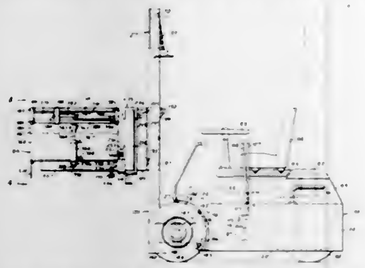
TILTABLE PLATFORM FOR INDUSTRIAL TRUCKS

William S. Glenn, Jr., Spartanburg, S. C.

Application April 5, 1949, Serial No. 85,693
13 Claims. (Cl. 214—121)

1. In combination with a lift truck having a main frame and a vertical upright and a lift element movable along the upright, a tiltable platform adapted to carry articles to be tiered, said tiltable platform having pivotal connection with the lift element in off center relation to the longitudinal axis of the lift truck, a hydraulic cylinder disposed beneath the platform and being pivotally connected to the lift element at one

end thereof, a piston in the hydraulic cylinder, a piston rod connected to the piston and extending from the cylinder and passing below the said pivotal connection and being pivotally connected to the bottom of the platform at a point beyond the first-named pivotal connection relative to the point at which the cylinder is connected to the lift element, a source of fluid under pressure and means for alternately admitting fluid to opposite ends of the cylinder, whereby upon fluid being admitted to the end of the cylinder from



which the piston rod projects, the piston rod will be drawn into the cylinder, thus pulling the opposite end of the platform towards the same, resulting in the platform turning on its pivotal connection, and in its end nearest the cylinder being moved upwardly to thus tilt the platform at an angle transverse to the normal path of travel of the lift truck and whereby, upon fluid under pressure being admitted to the other end of the cylinder, the platform may be lowered to its original horizontal position.

2,575,553

PROCESS FOR PRODUCING STABLE AQUEOUS DISPERSIONS OF POLYMER CONTAINING PLASTICIZERS THEREFOR

Egbert Cornelis Hendrik Kolvoort, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application filed February 8, 1949, Serial No. 75,312. In the Netherlands February 11, 1948

5 Claims. (Cl. 260—29.6)

1. A process for the production of an aqueous dispersion of solid resinous polymer containing a plasticizer for said polymer, said plasticizer being a substantially water-insoluble ester compatible with said resinous polymer and boiling above 200° C., which comprises mixing a predominant proportion of said plasticizer in liquid condition with a small quantity of an aqueous solution containing a substantial proportion of an emulsifying agent so as to thereby form a jellied mixture, and then mixing sufficient of an emulsified aqueous suspension of dispersed particles of said solid resinous polymer with said jellied mixture so that an aqueous emulsion is formed wherein water constitutes the continuous phase.

2,575,554

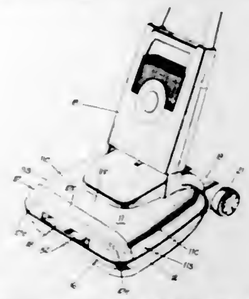
VACUUM CLEANER WITH ILLUMINATING DEVICE

Wilfred Otto Langille, Chester, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application December 11, 1948, Serial No. 64,843

1 Claim. (Cl. 240—2)

In a vacuum cleaner having an upper casing shell and a lower casing shell, the improvement which comprises: a step, including a shelf wall, a rear wall and a curved wall formed integral with said upper casing shell, said rear wall being provided with an opening and said upper casing shell being provided with a conduit connected with said opening in said rear wall; a pair of reinforcing members formed integral with said upper casing shell and arranged to support said shelf wall from said rear wall; an apertured support member formed integral with said upper casing shell and extending from said shelf wall to said rear wall; an electric socket-housing secured to said support member and arranged to support a lamp bulb; a terminal box formed integral with said socket-housing and extending into said opening in said rear wall; electric conductors extending from said terminal box



through said opening in said rear wall and into said conduit; a cover having an apertured front wall, a top wall, a curved wall joining said front wall to said top wall and having spherical triangular end walls formed by the merging of the top wall, front wall and curved wall of said cover; a resilient bumper extending the complete width of the cleaner and having an apertured front wall, a top wall, a curved wall joining said front wall of said bumper to the top wall thereof, and having spherical triangular end walls that are formed by the merging of the top wall, front wall and curved wall of said bumper; means for securing said bumper to said cover; screws extending from below said shelf wall and engaging said cover, thereby holding said cover to said shelf; and a lens positioned in the aperture of the front wall of said bumper and held in place by said bumper, said cover and said screws.

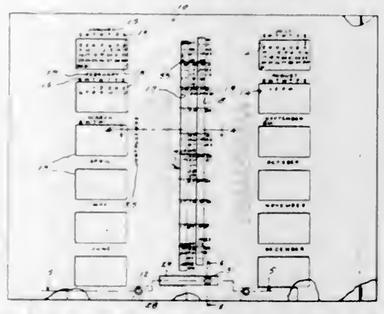
2,575,555

PERPETUAL CALENDAR

Paul W. La Plante, Phoenix, Ariz.

Application June 23, 1949, Serial No. 100,807

1 Claim. (Cl. 40—109)



A perpetual calendar comprising a pair of face abutting sheets having a plurality of windows for

exposing monthly indicia, and also having a pair of elongated openings for exposing yearly indicia, an intermediate sheet between said pair of sheets, spaced groups of numerals on said intermediate sheet for exposing through said first named windows, year indicating numerals on said intermediate sheet for exposing through said pair of elongated openings, a longitudinally elongated opening in each of said pair of sheets, a grommet carried by said intermediate sheet projecting partly into said latter openings whereby said intermediate sheet may be lengthwise shifted by insertion of an article into said grommet, additional longitudinally elongated openings in said intermediate sheet, and grommets extending through said additional openings carried by said pair of sheets serving as limit stops for said intermediate sheets.

2,575,556

METHOD FOR PRODUCING AND REFINING ETHYL ALCOHOL

Russel L. Maycock, Oakland, and Clarence L. Dunn, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 23, 1947, Serial No. 775,740

3 Claims. (Cl. 260—641)

1. In a method of producing ethanol, the steps comprising reacting gaseous ethylene and water vapor at elevated temperatures and pressures and in the presence of an acid catalyst to produce a crude, ethanol - containing, gaseous effluent strongly acid in character; maintaining said effluent in the gaseous state spraying said effluent with a solution of an alkaline material in a quantity sufficient to establish a pH of from 6.5 to about 7.5 in the liquid obtained on condensing the effluent; condensing the effluent; fractionally distilling the condensate to provide a distillate high in ethanol; hydrogenating the distillate in the presence of a nickel hydrogenation catalyst; and fractionally distilling the hydrogenated solution to produce an ethanol fraction having a permanganate time of at least 30 minutes and a true, unadulterated ethanol odor.

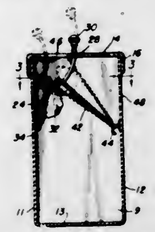
2,575,557

CIGARETTE CRUSHER AND CONTAINER

Benjamin F. Michel, Spokane, Wash.

Application September 19, 1947, Serial No. 775,011

1 Claim. (Cl. 131—237)



A device for extinguishing and retaining cigarettes comprising a receptacle including a first, second, third and fourth side wall and a bottom, means for crushing cigarettes pivoted in said receptacle and bodily displaceable therein, said first wall forming an anvil for a cigarette and cooperative with said crushing means in extinguishing the cigarette, a cover, means for detachably securing said cover to said receptacle and for pivotally actuating and bodily displacing said crushing means, said cover being provided with cigarette receiving apertures for rendering access to said crushing means, said crushing means comprising a baffle, two of said walls having slots therein, a pin disposed in said slots and carried by said baffle, and a spring secured at one end to another of said walls and reacting on said baffle opposing the operation of said baffle.

2,575,558

GLYCIDYL ETHER COMPOSITIONS AND METHOD OF USING SAME

Herbert A. Newey, Richmond, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 26, 1948, Serial No. 40,785

10 Claims. (Cl. 154—140)

1. A composition of matter suitable for use as a cold-setting adhesive obtained by adding 5% to 25% of triethylamine to a fluid mixture comprising glycidyl ether of a dihydric phenol having a 1,2-epoxy equivalency greater than 1.0 which ether is obtained by reacting one mol of the dihydric phenol with at least one mol of epichlorhydrin in the presence of at least a stoichiometric quantity of an inorganic base, said composition having a viscosity at 20° C. when first compounded of 1,000 to 50,000 centipoises.

2. A method of uniting two solid surfaces which comprises effecting the following series of steps at a temperature of 15° C. to 40° C. without heating: applying a coating of the composition defined by claim 1 while it is still fluid to at least one of the surfaces, bringing the second surface into contact with the first coated surface while the applied adhesive remains fluid, and maintaining the contact at least until the adhesive has solidified and hardened.

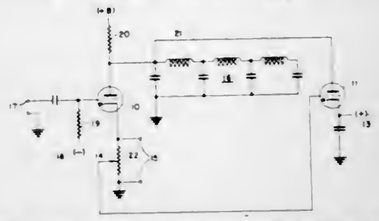
2,575,559

IMPULSE GENERATING SYSTEM

Geoffrey B. Parkinson, Washington, D. C., assignor to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England

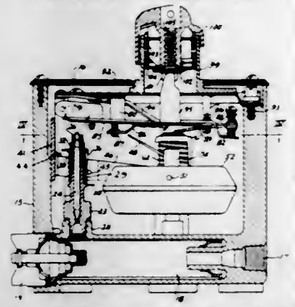
Application January 22, 1946, Serial No. 642,695

7 Claims. (Cl. 315—340)



1. A gas tube generator comprising, a source of operating potential, first and second grid controlled gas tubes connected together at their anodes and to said source of operating potential, an impedance element connected to said first tube and across which output terminals for the circuit are taken, an artificial line connected to said tubes for quenching the same, the grid of said second tube so associated with said output terminals as to receive a selectable amplitude of the signal variation which appears thereacross when said first tube is rendered conducting, and means for impressing a triggering signal to the grid of said first tube.

2,575,560
LIQUID FLOW CONTROL DEVICE
Vernon R. Pawelsky, Lourdes V. McCarty, William A. Biermann, and John T. Dulak, Milwaukee County, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin
Application November 1, 1946, Serial No. 707,086
5 Claims. (Cl. 137—68)



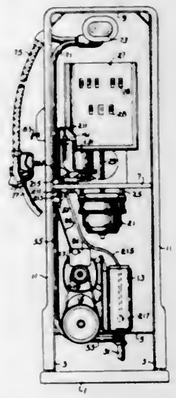
1. In a liquid flow control device of the constant level type, a casing receiving a flow of liquid, a valve metering the flow of liquid into the casing, a valve metering the flow of liquid out of the casing, both the valves being urged toward open position, a plate mounted in the casing, control means carried by the plate, a leaf spring mounted on the plate and adjustable to transmit the action of the control means to both valves, and means for adjusting the spring position to limit the action thereof on the inlet valve until the occurence of predetermined conditions.

2,575,561
PICKUP IMPLEMENT
Claude Payne, Bicknell, Ind.
Application March 14, 1946, Serial No. 654,268
1 Claim. (Cl. 294—50.6)



An implement of the class described, comprising a body portion including a handle, a wide stationary jaw mounted at one end of the handle, said stationary jaw having an opening formed near the inner end thereof, a jaw pivotally mounted on the stationary jaw, a laterally extended arm having one of its side faces disposed towards said handle, secured to the pivoted jaw, adjacent to the pivot of said jaw, said arm extending through the opening of the stationary jaw, said arm having an elongated opening, elongated longitudinally of the arm, an operating rod slidably monted on the body portion, a ball secured to one end of the rod, one end of the operating rod being disposed within the elongated opening of the arm, said ball restricting movement of the rod with respect to the arm in one direction, a coiled expansible spring mounted on the rod and engaging the arm, a bracket extending from the body portion against which the opposite end of the spring engages, said spring normally urging the arm and pivoted jaw outwardly, said rod being movable against the action of the spring closing the jaws, and a handle on the rod by means of which the rod is operated.

2,575,562
HYDRAULIC REGISTER RESETTING APPARATUS
Ralph B. Pressler, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application March 5, 1947, Serial No. 732,578
8 Claims. (Cl. 222—33)

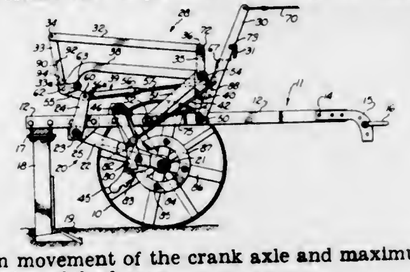


1. In a liquid dispensing apparatus, the combination of a resettable register having a reset position, a liquid pump, means for starting and stopping said pump, a meter driven by liquid flow from said pump and connected to drive the register away from reset position, an hydraulic cylinder, a piston movable in said cylinder and connected to operate said register to reset position, a conduit directly connecting opposite ends of said cylinders, a valve mounted for movement, said valve being movable between positions in which it opens and closes said conduit, means for normally holding said valve in conduit-open position and means connecting said valve for hydraulic operation by said pump to its conduit closing position.

2,575,563
CONTROL SYSTEM FOR WHEELED MECHANICAL-LIFT IMPLEMENTS
Howard B. Rapp, Santa Ana, Calif., assignor to Towner Manufacturing Co., Santa Ana, Calif., a partnership
Application April 14, 1947, Serial No. 741,218
23 Claims. (Cl. 97—72)

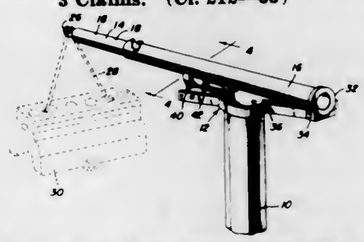
23. A combination as in claim 22 including an adjustable link connected at one end to said joint and slidably connected at its other end to said frame whereby to control swinging of said crank arm and brace link between a position preventing

movement thereof and preventing lowering of said frame and a position providing for maxi-



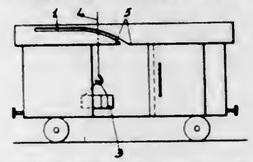
mum movement of the crank axle and maximum lowering of the frame.

2,575,564
MOTOR LIFT ATTACHMENT
Silas Rinkel, Bismarck, N. Dak.
Application November 14, 1949, Serial No. 126,975
3 Claims. (Cl. 212—55)



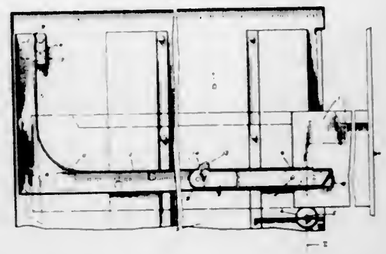
2. For use with a lift which includes a vertically operable post with a cradle assembly having a plate with a bracket disposed thereon, said assembly being secured to said post, an attachment for lifting heavy objects and comprising a pair of extensible members, a hook secured to one of the members and means releasably securing the other member to the cradle assembly, said means including a fastening bracket disposed partially below said cradle assembly and lockingly contacting the bottom surface of the plate of said assembly, said members having a common longitudinal axis which is disposed at an angle with respect to the axis of the post, said fastening bracket being secured to said other member at the end remote from said hook, and a stop lug on said other member reacting on the bracket of the cradle assembly preventing said members from sliding in one direction from said cradle assembly.

2,575,565
ARRANGEMENT ON ROOFS OF VEHICLES, VESSELS, AND BUILDINGS IN ORDER TO FACILITATE THE LOADING AND UNLOADING OF GOODS
Nils Ingemar Schwalbe, Akeslund, Stockholm, Sweden
Application October 18, 1947, Serial No. 780,646
In Sweden October 31, 1946
7 Claims. (Cl. 108—1)



1. In a roof for storage structures having an opening for the reception of goods, at least one narrow slot in said roof in unobstructed communication with said opening, said slot adapted to permit passage of an overhead suspended cable attached to a load of goods passing through said opening.

2,575,566
EXTENSIBLE SIDE SUPPORT FOR SLIDING DRAWERS AND THE LIKE
Harold Shand, Charlton, London, England
Application February 27, 1947, Serial No. 731,247
In Great Britain February 21, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 21, 1966
2 Claims. (Cl. 312—334)

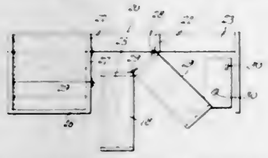


2. In a cabinet having opposite side walls and a drawer opening leading from the front rearwardly into the cabinet between the side walls, the combination, with a drawer adapted to extend slidably through said drawer opening into the cabinet, of means for supporting the drawer, including a pair of rollers mounted within the cabinet upon the interior of the side walls at the front end of the drawer opening therein for supporting the drawer from beneath; a pair of opposite channel-shaped supporting runners secured to the interior of said side walls within said cabinet with the open sides of the channel-shaped runners opening inwardly and mutually facing each other, each runner comprising a horizontal portion extending lengthwise of said drawer and a vertical portion extending rigidly upward from the rear end of said horizontal portion with a curved portion disposed between and interconnecting the horizontal and vertical portions; a pair of pins mounted on the opposite sides of said drawer adjacent to the rear end thereof; a pair of rollers rotatably mounted on said pins for engagement in the horizontal portions of said runners; a pair of arms pivotally mounted intermediate the ends thereof on the pins; a second pair of rollers mounted on the rear ends of the arms in effective positions to ride exteriorly upon the runners for guiding the first pair of rollers from within one portion of said runners toward another portion; and a pair of stop elements disposed on opposite sides of said drawer adjacent to the rear ends thereof, the front ends of said arms engaging beneath said stop elements to support said drawer when the latter is pulled out so as to extend outwardly from said cabinet.

2,575,567
CABINET
George A. Swartz, York, Pa.
Application April 4, 1946, Serial No. 659,497
2 Claims. (Cl. 312—304)

2. A cabinet having a top, side and back walls, a plurality of shelves permanently secured hori-

zontally in the rear of said cabinet, vertical members in the rear of said cabinet spaced from the end walls thereof and having their front edges disposed rearwardly of the front edges of said cabinet sides, a pair of shelf tiers of a breadth equal to the distance between said vertical members and the adjacent end walls of said cabinet, hinges connecting the rear ends of said tiers to



said vertical members, a pair of second shelf tiers of equal width and breadth as said first named tiers, hinges connecting the rear edges of said second tiers to the forward edges of said first named tiers, the said hinged shelf tiers adapted to swing horizontally within said cabinet into and out of the space between said vertical members and into the space between said vertical members and the adjacent end walls of said cabinet.

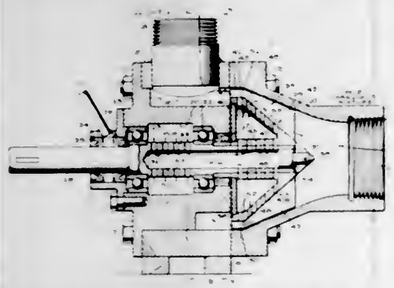
2,575,568

CENTRIFUGAL GAS-LIQUID SEPARATOR

Edward Topanelian, Jr., Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application November 12, 1946, Serial No. 709,129

1 Claim. (Cl. 103—113)



A centrifugal deaerator comprising a casing formed by a central cylindrical member, a radially flanged cup-shaped member closely fitted within and closing one end of said cylindrical member, and a frusto-conical inlet snout member affixed to the other end of said cylindrical member, the outer surface of said cup-shaped member being formed with a helically reduced portion which defines with the inner wall of said cylindrical member a semi-annular passageway of increasing depth in axial direction and open to the admission of fluid from said snout member, a discharge outlet for liquid communicating with said semi-annular passageway in the region of its greatest depth, a rotatable shaft extending axially through said cup-shaped member and supported therein in spaced relation to its inner, annular wall by spaced bearings, packing means associated with the shaft and cup-shaped member to confine a space surrounding a mid-section of said shaft, and an air discharge outlet extending tangentially from such confined space, an impeller mounted on said shaft and extending into said tapered inlet snout, said impeller comprising a hollow conical hub portion having a cylindrical socket to receive the end of the shaft and a closure at its base through which the shaft extends, the conical surfaces of said hub portion and snout being so related that they define between them an annular passage of decreasing cross-section inwardly from the end of said snout, a plurality of blades carried by said conical hub portion and extending into close proximity to the inner surface of said snout, openings in the conical hub located rearwardly of the blades thereof and leading to its hollow interior, an axial bore in said shaft communicating with openings leading respectively into the interior of the impeller and into the said confined space surrounding the shaft, whereby air separated from liquid-air mixture in swirling flow imparted by the impeller accumulates close to the impeller and is forced through the openings in the conical hub and into the bore of the shaft, such separated air being subsequently forced by centrifugal blower action of the rotating shaft into the confined space surrounding the shaft, from which confined space it is removed.

2,575,569

VIOLIN SUPPORT

Elgard Malvin Ungh, Stockholm, Sweden

Application January 16, 1950, Serial No. 138,717

In Sweden November 7, 1947

8 Claims. (Cl. 84—280)



1. A violin support consisting of two angularly bent members united by cross members and provided with clamping means for the attachment of the sound-board of a violin, comprising, in combination, two flexible wires extending substantially in parallel and presenting angular bent end portions with means for the strapping of the violin, a strip member mouldable to suit the contour of the player's shoulder and extending lengthwise of the two wires between their angularly bent end portions and connecting said wires between their said end portions, and cross members uniting the adjacent end portions.

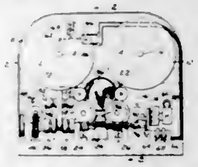
2,575,570

MULTIPLE SOUND RECORDING AND REPRODUCING APPARATUS

Adolph F. von Soden, Los Angeles, Calif.

Application May 15, 1948, Serial No. 27,203

2 Claims. (Cl. 179—100.3)



1. In a sound film reproducing apparatus of the class described comprising a housing, a pair of film spools in said housing, means in said housing for reeling a film from one spool to another in an alternate rotation, means in said housing for guiding said film when in position, a stationary controlling slit disposed transversely across the face of said film, an aperture carrier in said housing having a plurality of aperture slits therein positioned over said film and disposed to move laterally thereover for superimposing said apertures over said transversely disposed stationary controlling slit, timing controlling means in said housing for controlling the position of said aperture carrier over said film and over said stationary controlling slit and in respect to the multiplicity of sound tracks on said film, a source of light in said apparatus disposed in close proximity to said film and over said stationary controlling slit and said aperture carrier, a photo-electric cell in said apparatus disposed under said stationary controlling slit for receiving light variations passing through said sound tracks of said film, and means in said apparatus for laterally and progressively actuating and directing said apertures of said aperture carrier over said stationary slit in accordance with said timing controlling means and when said film reaches its end reeling from one spool to another, during the operation of said apparatus.

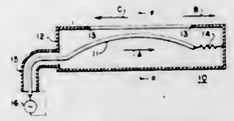
2,575,571

WAVE-SIGNAL DIRECTIONAL COUPLER

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application May 13, 1947, Serial No. 747,822

12 Claims. (Cl. 178—44)



1. A wave-signal directional coupler, adapted to be positioned along a wave-signal propagation path for directional coupling therewith of signals having a wide band of wave lengths, comprising: a wave-guide structure providing a second wave-signal propagation path and including a conductor having a curved portion of a length at least equal to one-quarter the mean wave length of said band of wave lengths and arched with relation to said first path to provide between said paths along the length of said portion a coupling region over which said curved portion is approximately parallel to said first path, said portion having a maximum departure from geometrical linearity at the ends of said coupling region much less than the length of said coupling region, said paths being directionally coupled by at least one of the electric and magnetic fields of wave-signal energy propagated through said paths, said structure providing over said coupling region a value of coupling between said paths which gradually increases from at least one end of said coupling region to the center thereof.

2,575,572

ROLLING CHAPEL TENT CONSTRUCTION

Cecil Mathias Wickstrum, Omaha, Nebr.

Application November 14, 1949, Serial No. 127,009

1 Claim. (Cl. 135—4)

In a tent construction, a frame including a roof section and hollow corner posts having open lower ends, tubes removably secured within the open ends of the corner posts, portions of the tubes extending below the lower ends of the corner posts, tubular extensions fitting over the ends of the tubes resting against the ends of said corner posts, spikes having tapered inner ends fitted within the tubular extensions, the tapered ends of the spikes resting against said tubes, restricting movement of the spikes within the tubes, and set screws extending through the tubular extensions engaging the spikes, securing the spikes against displacement.



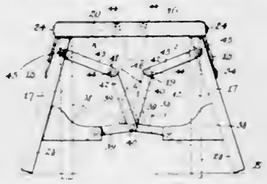
2,575,573

STEP FOR TRAILERS AND OTHER VEHICLES

Edward L. Wiedman, Tonawanda, N. Y.

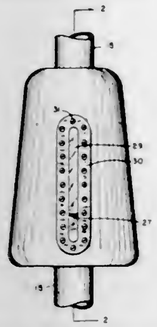
Application May 13, 1946, Serial No. 669,342

2 Claims. (Cl. 155—169)



1. A step for automobile trailers or the like to facilitate ingress to and egress from the latter, comprising a tread member having a peripheral flange extending around its perimeter, a bracket secured to the under side of said tread member at each corner of the latter and having a depending arm spaced from the flange thereof, a pivot pin passed transversely through said flange and the depending arm of each bracket, a supporting leg for each pivot pin having an elongated pivot hole through which said pivot pin is passed, said supporting legs being adapted to be swung on said pivot pins in the direction of the length thereof or at a right angle thereto, foldable braces connecting said supporting legs with said flange at the sides of said tread member so constructed and arranged to permit said legs to be swung upwardly on said pivot pins substantially parallel with said tread member or at an angle thereto to support the latter, arms projecting inwardly from said supporting legs with the arms of the supporting legs at each end of said tread member disposed in opposing relation, links pivotally connected together at their inner ends and having their outer ends pivotally connected to the inner ends of said arms, and a toggle device at each side of the longitudinal center of the step comprising two members pivotally connected together, each of said toggle devices having the outer ends of one of its members pivotally connected to the pivotally-connected inner ends of said links and the outer ends of its other member pivotally connected to one of each pair of supporting legs in a plane above said arms, said toggle devices serving to hold the supporting legs of each pair in laterally spread relation, and means embodied in the construction of said toggle devices to prevent undue spreading of said supporting legs.

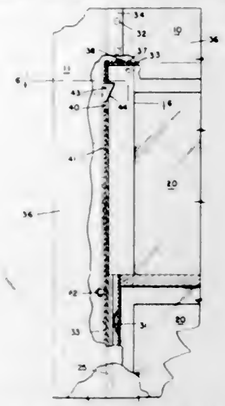
2,575,574
LOW-PRESSURE AND VACUUM RELIEF VALVE
Ralph A. Withrow, Denver, Colo., and Robert E. Colvard, Salt Lake City, Utah
Application November 2, 1946, Serial No. 707,414
4 Claims. (Cl. 137—53)



1. A low pressure and vacuum relief valve comprising: a hollow casing having an upwardly converging frusto-conical wall provided at its ends with top and bottom walls, the longitudinal axis of the frusto-conical wall being disposed vertically, a cylindrical inlet pipe extending upwardly from the bottom wall and terminating thereabove, an upwardly converging frusto-conical cup-like member having a top wall disposed on the upper end of the inlet pipe and secured thereto, the cup-like member forming a first chamber between its inner wall and the inlet pipe and a second chamber between its outer wall and the inner wall of the first named frusto-conical wall, a quantity of liquid in the housing normally submerging the lower edge of the cup-like member, thereby forming a seal between the first and second chambers, an aperture in the inlet pipe above the surface of the liquid, and a cylindrical outlet pipe secured to the upper top wall of the casing and extending downwardly into the casing with its lower end terminating above the liquid and above the cup-like member, the lower end being in communication at all times with said second chamber, the space between the outlet pipe and inner wall of the housing communicating with the second chamber and forming a reservoir of sufficient capacity to retain the liquid within the housing when it is inverted.

2,575,575
WINDOW WITH SASH LOCKING SPRING
Benjamin M. Altwies, Fostoria, Ohio
Original application December 6, 1948, Serial No. 63,800. Divided and this application March 31, 1950, Serial No. 153,173
8 Claims. (Cl. 160—101)

1. Latch means for window sashes, comprising a pair of parallel vertical side frame members each having an opening adjacent its upper end, a spring secured to the outer side of each side frame member and having a free end projecting inwardly through the opening therein so that said free ends of the springs are directed toward each other, a track extending longitudinally on the inner side of each frame member and terminating at one end adjacent said openings, an upper sash and a lower sash slidable on said tracks, the said upper sash having its top edge disposed to engage the inwardly projecting free ends of the springs and displace the same outwardly, and said upper sash having notches on opposite sides below said top edge to receive the free ends of the springs and lock the sash in its upper position, the lower sash having a portion disposed to engage and cam the free ends of said springs outwardly to disengage the same from said notches thereby freeing the upper sash.



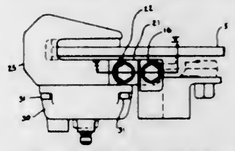
2,575,576
ALKALI METAL SALT-ORGANIC SULFOXY DETERGENT COMPOSITIONS INHIBITED AGAINST DETERIORATION OF VITREOUS- AND CERAMIC-WARE SURFACES
Leslie R. Bacon, Wyandotte, and Joseph V. Otrhalek, Detroit, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application January 13, 1950, Serial No. 138,518
16 Claims. (Cl. 252—138)

1. A detergent composition inhibited against deteriorative action on vitreous and ceramic surfaces, consisting essentially of 20–30% by weight of a carbonate selected from the group consisting of sodium bicarbonate, modified soda and sodium carbonate, 10–40% of a phosphate selected from the group consisting of sodium tripolyphosphate, sodium tetraphosphate and sodium hexametaphosphate, 40–70% of a synthetic detergent selected from the group consisting of the sodium salts of alkyl sulfonates, alkyl sulfates and alkylarylsulfonates, wherein the alkyl group contains 10–18 carbon atoms, said synthetic detergent being present in at least 35% active agent form; and 3–10% of an inhibitor compound selected from the group consisting of the zincates, beryllates and aluminates of sodium and the sulfates of zinc, beryllium and aluminum compounds and corresponding to a 0.85–5.66% ZnO equivalent weight, a .009–1.41% BeO equivalent weight, and a 0.47–6.22% Al_2O_3 equivalent weight, respectively.

2,575,577
WATERPROOFED FABRIC AND METHOD OF PRODUCING IT
David N. Beauchamp, Venice, Calif., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 31, 1946, Serial No. 707,049
4 Claims. (Cl. 117—161)

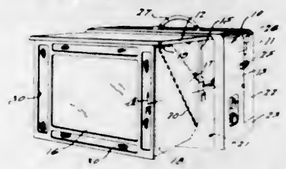
1. A water-impervious and water vapor-permeable fabric which comprises a woven textile fabric coated with a continuous layer of rubberlike polychloroprene, said polymer containing intimately dispersed therein from two to six volumes, based on the polymer, of a hydrophilic diatomaceous earth.

2,575,578
LINK MOUNTED BRAKE
Carl E. Bricker, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application June 14, 1947, Serial No. 754,705
11 Claims. (Cl. 188—152)



1. The combination in a brake of a fixed member and a rotatable member, a brake disc carried with the rotatable member, a C-shaped element extending around the disc, means carried by the element for applying braking pressure to one side of the disc, link means pivotally securing the element to the fixed member and allowing movement of the element into full surface engagement with the disc upon actuation of the means for applying braking pressure, and resilient means associated with the link means and with the means for applying braking pressure for re-establishing braking clearance after brake applications and wear.

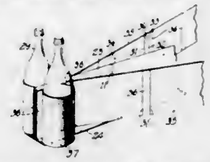
2,575,579
MOVING-PICTURE SOUND PROJECTOR
Edward A. Bullock, Detroit, and Harold E. Outland, St. Clair Shores, Mich., assignors to Technical Service Incorporated, Detroit, Mich., a corporation of Michigan
Application September 15, 1948, Serial No. 49,348
7 Claims. (Cl. 88—16.2)



1. In a sound projecting device, a carrying case having a hinged door on one side provided with top and side walls cooperating with the main portion of the case, said top wall being of less width to form a slot, a hinged cover on said door for covering said slot, a projecting device within the main portion of the casing, and a pair of reels extending through said slot when said hinged cover is in open position and the door closed, one end of said hinged door wall having an aperture through which direct rays from the projecting portion of the device may pass.

2,575,580
METHOD OF PACKAGING
Edgar F. Cadmus, Portland, Oreg.
Application February 14, 1949, Serial No. 76,300
14 Claims. (Cl. 93—3)

1. The method of wrapping a plurality of articles in a single package comprising drawing a central strip and two outside strips of flexible sheet material into wrapping position from sources of supply, folding said central strip longitudinally to form a vertical partition with oppositely directed horizontal bottom wall portions, introducing said articles two at a time on said bottom wall portions on opposite sides of said partition and between said outer strips, looping

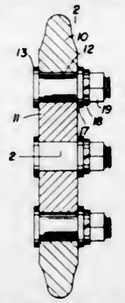


said outer strips about said articles and uniting them on opposite sides of said partition after each pair of articles is introduced to form individual pockets progressively as additional articles are introduced, by drawing said strips from their sources of supply, then severing said strips from their sources of supply.

2,575,581
COATED RUBBER HYDROCHLORIDE FILM
Clarence M. Carson, Silver Lake, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application April 20, 1949, Serial No. 88,679
2 Claims. (Cl. 117—139)

1. Rubber hydrochloride film .0004 to .002 inch thick containing 5 to 25 parts of fatty acid ester per one hundred parts of rubber hydrochloride as plasticizer, said film being coated with copolymer of 75 to 85 parts vinylidene chloride and 25 to 15 parts of acrylonitrile having a viscosity of 40 to 1000 centipoises, the coating weighing one to five pounds per 3000 square feet and making the film less pervious to oxygen.

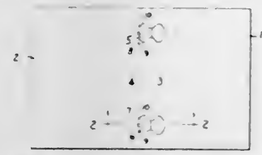
2,575,582
ATTACHING MEANS FOR ADAPTER SPROCKETS
Glen Chamberlain, Wichita, Kans.
Application June 12, 1948, Serial No. 32,592
3 Claims. (Cl. 74—243)



1. In a sprocket assembly in which a ring type adapter sprocket is locked as a rim around a smaller sprocket, means for locking the two sprockets together comprising: a bolt passing through the valley between two adjacent teeth of the smaller sprocket, the bolt head overlying a portion of one side surface of each sprocket; an integral longitudinally disposed lug on the bolt shank having such a cross sectional shape as to substantially fill the space bounded by the adjacent surface of at least one of the said two teeth of the smaller sprocket, the adjacent surface of the adapter sprocket, and the bolt shank

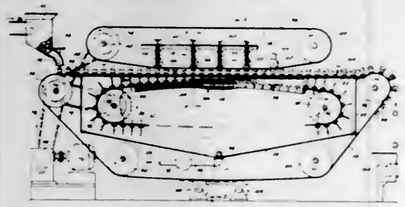
proper, the contact of said lug with the adjacent surface of at least one of said sprockets being adapted to prevent rotation of the bolt, and the bolt being adapted to prevent relative rotation of the sprockets; and a washer and nut for said bolt.

2,575,583
LOOSE-LEAF BINDER
Alick Clarke and Holland D. Cottrell, Detroit, Mich.
Application December 23, 1948, Serial No. 66,947
2 Claims. (Cl. 129—41)



1. A loose leaf binder comprising a centrally scored sheet foldable to provide front and back covers, a pair of loose leaf retaining spaced tabs cut from said back cover and having a neck portion integral with said back cover, said tabs having a fold line parallel spaced from said scoring a distance slightly less than the length of said tabs measured from said fold line, said front cover having elongated slits formed therein opposite said tabs immediately adjacent said scoring to retainingly receive the outer tips of said tabs whereby upon back bending of said back cover member from normal open position said tab tips will automatically snap outwardly from said slits.

2,575,584
APPARATUS FOR EXTRACTING JUICES FROM CITRUS FRUITS AND THE LIKE
Herman Cohen, Brookline, Mass.
Application January 7, 1950, Serial No. 137,468
4 Claims. (Cl. 100—35)



1. Apparatus for extracting juice from citrus fruits and the like, comprising a tank having a slotted top, a pump for partially exhausting air from the tank, a conveyor movable longitudinally within the tank beneath a slot in the top thereof, suction tubes spaced longitudinally along said conveyor and adapted intermittently to be projected through said slot, a conveyor belt movable longitudinally around the tank and over the slotted surface of the tank top, cups spaced longitudinally along the outer surface of said conveyor belt and adapted to receive and transport fruit deposited therein, the spacing of the cups being substantially the same as the spacing of said tubes, the bottom of said cups and said belt having registering openings positioned over said slot in the tank during movement of said conveyor belt and cups over the slotted surface of the tank top, guide means mounted in the tank beneath said top of the tank and engaging said conveyor, whereby a portion of the moving conveyor is gradually elevated to project the suction tubes thereon successively through said slot in the tank, through the respective belt and cup openings, and into the fruit within the respective cups moving in succession, and then to withdraw the tubes successively into the tank, and means for driving said conveyor and conveyor belt in synchronism.

2,575,585
ACRYLATES, POLYMERS, AND COPOLYMERS
Fred W. Cox, Atlanta, Ga., and James M. Wallace, Jr., Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application February 4, 1949, Serial No. 74,707
8 Claims. (Cl. 260—77.5)

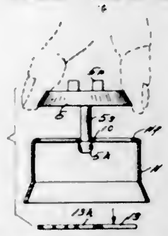
1. An ester having the structural formula

$$CH_2{:}CR{-}\overset{O}{\overset{\|}{C}}{-}O{-}CH_2CH_2{-}O{-}\overset{O}{\overset{\|}{C}}{-}O{-}R''$$

in which R is a radical selected from the group consisting of chlorine, hydrogen and methyl and R'' is an alkyl radical containing from 1 to 6 carbon atoms.

3. A polymer of the compound of claim 1.

2,575,586
SANITARY PICK-OUT FREE-BOTTOM SINK STRAINER
James W. Crall, Los Angeles, Calif.
Application November 16, 1948, Serial No. 60,309
1 Claim. (Cl. 4—287)

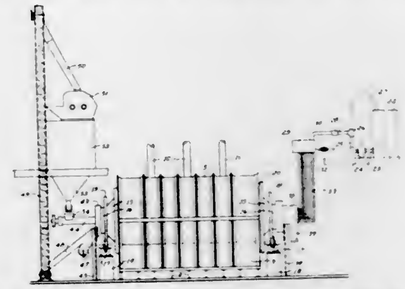


An article of manufacture adapted for handy application to or removal from an installed sink drain fitting having a valve plug seat and comprising a shell seatable in the fitting and having an internal bottom flange and a central hub connected to said flange by spaced members, a stem slidable in the said hub and having a plug on one end to seat in the sink drain fitting and a head on the opposite end of the stem and on which the hub loosely lodges when the shell is inverted, and a strainer disc normally loosely seating on the flange in the upright position of the shell and having a central hole of such a size that when the shell is inverted, the disc will freely pass over the head of the stem and drop from the shell.

2,575,587
CARBONIZATION APPARATUS
Caleb Davies, Jr., Ben Avon, Pa., assignor, by mesne assignments, to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application January 5, 1946, Serial No. 639,376. Divided and this application April 14, 1948, Serial No. 20,891
1 Claim. (Cl. 202—136)

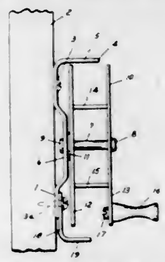
Apparatus for the distillation of liquid carbonaceous material which comprises, in combination, a cylindrical retort mounted for rotation about its horizontal central axis, said retort having end walls adapted to confine a bed of solids

therein, means for heating the bed of solids to a temperature above the distillation temperature of the liquid carbonaceous material, a plurality of conduits extending longitudinally through an end wall of said retort and having discharge openings located respectively at different distances from said end wall, said conduits being supported independently of said retort in spaced relationship to the side walls of the retort and so disposed with respect to said bed of solids that the contents of said conduits are discharged directly onto the surface of said bed, a container for the liquid



carbonaceous material arranged at a level above the retort into which said conduits upwardly extend, said conduits terminating within said container in vertically disposed end sections having vertical slots therein which extend downwardly to the same horizontal plane, means for maintaining liquid carbonaceous material in said container at a level between the bottom and the top of said slots, said conduits being arranged to convey liquid from said container to said retort solely by gravity, and means for withdrawing vaporous and solid products of distillation from said retort.

2,575,588
COMBINED REEL FOR A FISHING POLE AND LOCKING MEANS THEREFOR
Kenneth M. Fritts, Erie, Pa.
Application May 15, 1948, Serial No. 27,166
1 Claim. (Cl. 242—84.5)



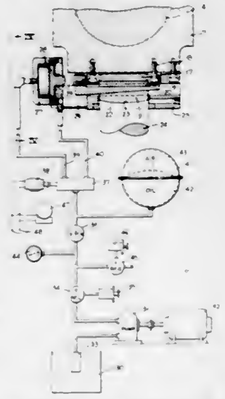
A combined reel and locking means therefor for a fishing pole comprising a bracket adapted to be attached to the side of a fishing pole, screw members for securing said bracket to the side of a fishing pole, a comparatively long box shaped reel member having open opposite ends thereon for reeling a line, a pivot pin attached to said bracket and extending through the center of said box shaped reel member, and an L-shaped pivoted locking member pivoted on one of said screw members securing said bracket to said fishing pole adapted to be disposed in the path of said box shaped reel member upon rotation thereof in a clockwise or a counterclockwise direction.

2,575,589
METHOD OF CURLING HAIR
Anne C. Glick, Dunmore, Pa.
Application August 12, 1947, Serial No. 768,229
1 Claim. (Cl. 132—7)



The method of curling hair which comprises placing a pattern over the head, drawing out a portion of hair through a perforation in said pattern, applying a hair curler to the withdrawn portion of hair, and disengaging the pattern from the head by re-inserting the curler and curled hair through the perforations in the pattern.

2,575,590
CALENDER ROLL PRESSURE CONTROL APPARATUS
Albert Goulding, Jr., Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application August 31, 1949, Serial No. 113,297
9 Claims. (Cl. 18—2)



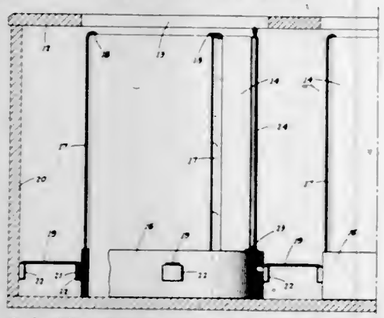
1. In a calender for performing sheeting and similar operations on plastic materials, the combination of a frame, a pair of cooperating rolls, bearings supporting the rolls in the frame for movement to and from each other, adjustable screw-downs carried by the frame, a wedge plate having a shallow ball and socket connection with the end of each screw-down, a shear plate secured to each bearing, a wedge between the wedge plate and its associated shear plate, a hydraulic cylinder controlling the position of each wedge, a hydraulic system including a pressure accumulator for operating the hydraulic cylinder, a solenoid actuated valve for controlling the passage of fluid from the system to the cylinder, a motor for driving the calender rolls, and electrical means connecting the motor and solenoid valve in parallel relation whereby when the rolls are not driven, the pressure on the rolls is relieved by movement of the wedges.

2,575,591
PENCIL HOLDER
Max Klaar, San Mateo, Calif.
Application January 26, 1946, Serial No. 643,520
2 Claims. (Cl. 24—11)



1. A pencil holder of the character described, comprising an elongated tubular casing having an open upper end and a conical bottom section, the casing being circumferentially continuous throughout the length thereof and having a narrow longitudinal slot in the upper half thereof and spaced from the upper end, and the casing being dimensioned to slidably receive a pencil therein, a wire coiled about the casing above the slot, one turn of the wire being bent to form a downward loop along one side of the casing and opposite the slot to serve as a clip cooperable with the casing for clamping garment material therebetween, and one end of the wire being bent downward along the opposite side of the casing and being flexed to project through the slot and to bear upon a pencil positioned in the casing.

2,575,592
HOLDER FOR ICE-CREAM CANS
William C. Kuykendall, Modesto, Calif.
Application September 8, 1948, Serial No. 48,231
2 Claims. (Cl. 220—15)



2. A holder for ice cream cans disposed in a cabinet, separate rings surrounding the cans adjacent the lower ends thereof, the rings seating on the bottom of the cabinet, tie straps connecting the rings together, and air inflated envelopes engages between the rings and cans and being effective to hold the latter in non-turning relation with respect to the rings.

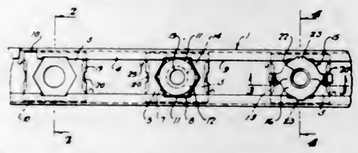
2,575,593
COLLAPSIBLE STAND
John C. Peery, Milwaukie, Oreg.
Application November 1, 1947, Serial No. 783,485
5 Claims. (Cl. 20—1.126)

4. A collapsible stand comprising at least three risers hinged together, said risers having offset hinge connections disposing them in offset vertical planes when the stand is erected, a platform hingedly mounted on each of said risers and foldable against said riser, the hinges connecting the first and second risers being offset to accommodate the thickness of said first riser, the hinges connecting the second and third risers



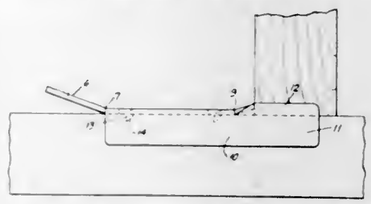
being offset to accommodate the thickness of the third riser and its platform, said risers and platforms being foldable so as to lie in compact arrangement with all the risers and platforms in a single tier.

2,575,594
GANG NUT RETAINER ASSEMBLY
Kenneth Reiner, Los Angeles, Calif.
Application September 28, 1945, Serial No. 619,194
3 Claims. (Cl. 85—32)



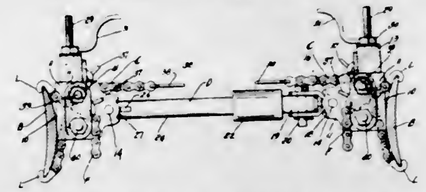
1. In a gang nut retainer assembly, the combination of a channel for supporting a plurality of nuts, said channel having a web with side flanges projecting out from the web, and terminating in inwardly turned keeper strips, said keeper strips having spaced notches in their edges, nut-carriers spaced from each other in the channel, with side edges extending under said keeper strips and retained thereby in the channel, each of said carriers having a nut receiving opening conforming to the shape of the nut, nuts freely receivable in said openings, said nuts having oppositely disposed side faces received in said notches, and held by said notches against unlimited movement along said channel, and attachable means for retaining the nuts in said openings.

2,575,595
TOOL FOR POSITIONING A STUD ON A SILL
Fred Rienecker, San Francisco, Calif.
Application April 23, 1949, Serial No. 89,217
7 Claims. (Cl. 145—1)



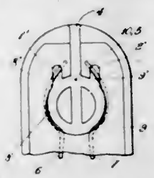
2. A tool for positioning a stud on a sill, comprising a plate having a flat body section with a straight front edge and having an inclined rear section, means for positioning the plate on a sill with the front edge transversely across the sill, and teeth projecting downwardly from the plate for anchoring the latter with respect to the sill when the teeth are driven into the sill, the inclined rear section being operable by the blow of a hammer for withdrawing the teeth from the sill, the plate positioning means comprising a side flange projecting downwardly from the plate and adapted for placing against the side edge of the sill.

2,575,596
TOW BAR
Frederick S. Rettinger, Battle Creek, Mich., assignor to Caro Manufacturing Co., Caro, Mich.
Application December 6, 1948, Serial No. 63,660
6 Claims. (Cl. 280—33.14)



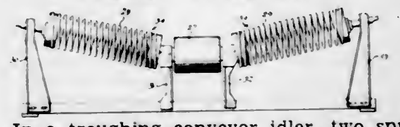
1. A towing device of the class described, comprising a coupling head adapted to be secured to an automobile bumper, a vertically adjustable U-shaped bracket mounted on said head, a chain accommodating passage therein, a flexible chain threaded therethrough and detachably secured to the lower edge of the bumper, similar chain accommodating passages provided on the side walls of the coupling head, chains leading therethrough and detachably secured to the upper edge of the bumper, and means for vertically adjusting said bracket to tension said chains.

2,575,597
SOCKET FOR AN ELONGATED TUBULAR LAMP HAVING CONTACT PINS AT ITS ENDS
Johannes Semeyn, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 13, 1947, Serial No. 734,527
In the Netherlands February 1, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 1, 1966
7 Claims. (Cl. 173—328)



1. A socket for electrical apparatus having two parallel supply pins spaced apart by a given distance, comprising a supporting member provided with an open-ended guide channel for said supply pins, said supporting member being further provided with a first slot open to said channel to provide a line of intersection between the central plane of said slot and the central plane of said channel and being provided with a second slot open into said channel, said first and second slots terminating at points of said supporting member which are spaced apart by the said given distance, said terminating points having an axis of symmetry midway therebetween parallel with said line of intersection, the distance between said axis of symmetry and said line of intersection being less than half the said given distance from said line of intersection, and electrical contact members for said supply pins arranged at said terminating points.

2,575,598
CONVEYER IDLER
Harvey Tillman Shank, Toronto, Ontario, Canada
Application April 30, 1948, Serial No. 24,211
4 Claims. (Cl. 198—202)

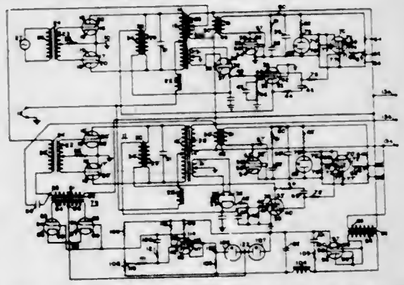


4. In a troughing conveyor idler, two spring coil idler rollers, rotatably mounted with their longitudinal axes troughed in a common vertical plane to support a conveyor belt, the inner ends of said coil idlers being at a common level and at a predetermined height below the outer ends of said coil idler rollers, one of said rollers being coiled to the right and the other being coiled to the left, each of said coils having mounting cup means at each of its free ends, the pitch of said coils being similar and smaller and adjacent their inner ends.

2,575,599
CONCRETE HARDENING COMPOSITIONS OF THE METAL SALT TYPE
Isador Silverman, Newark, and Abraham Moscowitz, Nutley, N. J., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application September 30, 1950, Serial No. 187,816
11 Claims. (Cl. 106—12)

1. A concrete hardening composition in dry form for the preparation of a non-hydrolyzing aqueous solution thereof by the addition of a predetermined amount of water comprising at least one water soluble metal salt concrete hardener, urea sulfate in amount sufficient to lower the pH of the concrete hardening solution to be formed to at least 2, and a wetting agent stable in solution at a pH not exceeding 2 in amount sufficient to reduce the surface tension of a concrete hardening solution to be formed to at least 40 dynes per centimeter.

2,575,600
INVERTER
David Jean Smith, Dallas, Tex., assignor to Varo Mfg. Co., Inc., Garland, Tex., a corporation of Texas
Application January 20, 1950, Serial No. 139,737
17 Claims. (Cl. 321—27)



1. An apparatus for transmitting energy from a direct current system to a polyphase alternating current system comprising a pair of single

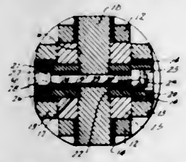
phase inverters connected in parallel between said systems, each of said inverters comprising a pair of electric valves provided with control grids and cathodes, and a grid transformer provided with a secondary winding having outer terminals connected to the control grids of the pair of valves and having its electrical midpoint connected to the cathodes of the pair of electric valves, said transformer having a primary winding adapted to be connected to a source of alternating potential of a predetermined frequency and means operatively associated with said polyphase alternating current circuit for maintaining the alternating potentials in the primary windings of said transformers differing in phase a predetermined degree to render said electric valves of said inverters successively conductive.

2,575,601
GUARD FOR VACUUM TUBES
Edward F. Staver, Jackson Heights, N. Y.
Application August 20, 1947, Serial No. 769,663
5 Claims. (Cl. 173—328)



1. A guard for use in combination with a vacuum tube having contact prongs projecting from its lower end, and a socket, said guard serving to yieldably hold the tube in the socket, said guard comprising a support disposed near the tube and extending in the general direction of the insertion of said tube and having a bearing disposed substantially at right angles to the axis of said support, a helically coiled wire spring for bearing downwardly against the top of the tube, the wire of said spring being extended at one end to provide a support arm passing through and rotatable in said bearing, said support arm being extended to form a finger normally in front of one side of said support whereby it may be moved past the support to abut the opposite side of said support to locate the coil in its operative position bearing downwardly against the top of the tube.

2,575,602
UNIVERSAL JOINT OF THE JAW TYPE
George B. Stillwagon, Jr., Dayton, Ohio, assignor of one-half to Kenneth G. Fraser, Dayton, Ohio
Application August 18, 1947, Serial No. 769,088
3 Claims. (Cl. 64—17)



1. In a universal joint of the type which comprises two coupling members arranged end to end and each having at one end a pair of jaws in planes intersecting the planes of the jaws of the other member, the jaws of each pair having alined bearing openings, and a connecting block mounted between the jaws of both pairs and having intersecting bores in line with the openings in the jaws of the respective coupling members, a relatively long pivot pin extending through one of said bores in said block and through the bearing openings in the corresponding pair of jaws, said pivot pin having a transverse opening in line with the other bore of said block, separate relatively short pivot pins extending through the openings in the other pair of jaws and fitting tightly in the corresponding ends of the last mentioned bore ind said block, each of said short pins having therein a longitudinal screw threaded opening in line with the opening in said long pin and of a diameter greater than the diameter of that opening, and a bolt in the openings in the three pivot pins with its head and nut in engagement with outwardly facing parts of the respective short pins.

2,575,603
CEMENTING TOOL
Claude C. Taylor, Long Beach, and Edgar W. McGaffey, Oildale, Calif., assignors to McGaffey-Taylor Corporation, Long Beach, Calif., a corporation of California
Application February 1, 1946, Serial No. 644,900
18 Claims. (Cl. 166—11)



1. In a well tool: a body adapted for connection to a tubing string for positioning in a well casing; a pair of vertically spaced packing means carried by the body for sealing against the casing to form a pressure chamber extending about the body; means forming a passage extending through said body and opening into the interior of the casing outside the body above and below said chamber for by-passing said packing means; means on the body forming a pair of passages, one passage of said pair communicating with said tubing string and said chamber, the other passage of said pair communicating with said chamber and an opening through the wall of the body below the lower packing means; said pair of passages being sealed from each other, and from said by-pass passage, to prevent fluid flow therebetween within the body; said pair of passages being communicative with each other exteriorly of said body when said packing means are sealed against the well casing, to pass fluid between said tubing string and the interior of the casing outside the body below said chamber; and valve means shiftably mounted on said body for operation in response to the movement of the body in the casing for selectively controlling fluid flow through said by-pass and one of said pair of passages.

2,575,604
HIGH-FREQUENCY HEATING
Walter S. Thompson, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application September 15, 1947, Serial No. 774,045
3 Claims. (Cl. 219—47)



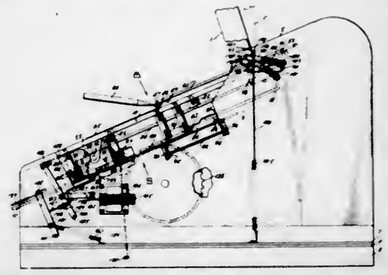
2. The method of heating dielectric material between electrodes in a heating period by the use of high frequency electrical energy where the electrodes have a length which is appreciable compared to the wave length of said energy and normally subject to standing waves having at least one nodal point in the electrodes, comprising applying a high frequency potential to said electrodes to produce said standing wave, and varying the frequency of the source of said potential rapidly in relation to the length of the heating period and sufficiently to move the crests and nodes of said wave back and forth to cause a nodal point and wave crest to fall repeatedly at the same point in said electrodes at different times in a heating period, to attenuate variations in the heating effect produced by the standing wave.

2,575,605
GIRDLE
Juanita J. Vandercook, Portland, Oreg.
Application November 23, 1948, Serial No. 61,653
1 Claim. (Cl. 2—41)



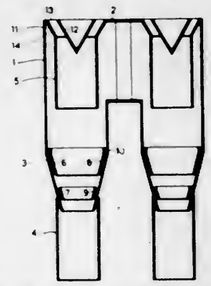
A girdle comprising a pair of elastic side sections extending from the waistline to below the hips of the wearer, a stretchless back section secured between said side sections, a narrow horizontally extending front panel connecting lower vertical edges of said elastic side panels corresponding to the lower portion of the abdomen of the wearer, a bust band adapted to be worn directly beneath the bust of the wearer, elastic stay straps from the front central portion of said bust band to the upper portion of the side member, and suspender straps attached to the sides of said bust band and extending over the shoulder and crossing at the middle of the back of the bust band and fastened at two spaced points at the top of said back.

2,575,606
VENDING MACHINE
Nathaniel B. Wales, New York, N. Y., and Nathaniel B. Wales, Jr., Morristown, N. J., assignors to Industrial Patent Corporation, New York, N. Y.
Application November 26, 1947, Serial No. 790,034
12 Claims. (Cl. 33—23)



1. In a machine for vending contractual forms, the combination comprising a paper roll on which is printed in alternate sequence a receipt and a contractual document related to said receipt, means for writing simultaneously on said document and said receipt, a cover for said simultaneous writing means, a paper-cutting device adapted to sever one said document and one said receipt from said paper roll, a receptacle within the machine for said severed receipts, a coin box, a coin aperture, a duct communicating between said aperture and said coin box, a lock for said writing means cover, means actuated by the passage of a coin through said duct for releasing said lock, means for advancing the paper from said roll a predetermined distance equal to the total length of said document and receipt, said means being actuated by the closure of said writing means cover, and means actuated by the closure of said writing means cover to actuate said paper-cutting device.

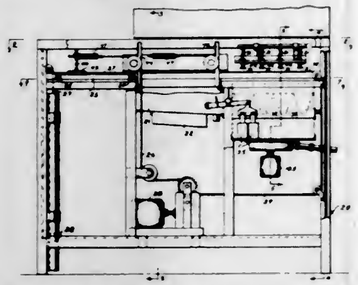
2,575,607
CYCLONE SEPARATOR
Sven Werner Wallin, Jonkoping, Sweden, assignor to A. B. Svenska Flaktfabriken, Stockholm, Sweden
Application November 10, 1948, Serial No. 59,270
In Sweden April 21, 1948
1 Claim. (Cl. 183—85)



In a cyclone, a jacket having an inlet tube tangentially connected thereto, said jacket having a helical wall portion extending from said inlet through approximately one-half of the circumference of the jacket, a closure for one end of said jacket, a central tube in said jacket

opening through said closure and arranged coaxially with respect to the axis of the jacket, said central tube having an outwardly divergent conical outlet portion adjacent said closure, a tapered outlet tube connected to and communicating with the other end of said jacket, and a plurality of frusto-conical annular members mounted coaxially in said tapered outlet tube and spaced uniformly from the wall thereof, two of said annular members being disposed respectively at the junction of the jacket and the tapered outlet tube and at the discharge end of the latter to constitute virtual wall members therein providing free annular passages below and between said members for the flow of cleansed air to the central tube as the particles are separated therefrom.

2,575,608
MACHINE FOR HARD BOILING AND SHELLING OF EGGS
Russell A. Williams, Sr., Johnson City, N. Y.
Application July 17, 1947, Serial No. 761,718
4 Claims. (Cl. 99—355)



1. In a device of the character described, a tray having a holding means therein for retaining a plurality of eggs, means supporting the tray for horizontal movement from a loading position to a cooking position, a cooking tank for receiving the tray containing the eggs, means for raising and lowering the tray into and out of said tank, power means for moving the tray from one of its positions to the other position, and timing means for controlling the length of time the tray remains in the tank.

2,575,609
ARTIFICIAL FISH LURE
Robert F. Alderman, Detroit, Mich.
Application December 4, 1948, Serial No. 63,481
5 Claims. (Cl. 43—42.22)



2. An artificial fish lure comprising an elongated body member having an enlarged rounded portion defining a head end and the other end of said body member having the sides thereof diverging outwardly defining a tail end, said body member having a generally V-shaped cross-section, a center portion having longitudinally spaced, transverse grooves struck-out from the tail end of said body member and extending longitudinally thereof, and a pin for engaging the sides of said tail end of said body member adjacent said struck-out center portion and any one of the grooves in said center portion for changing the angularity of the sides of said tail end with respect to the struck-out center portion thereof.

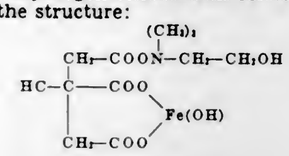
2,575,610
FLIGHT CONVEYER
Charles F. Ball, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 27, 1947, Serial No. 794,136
4 Claims. (Cl. 198—175)



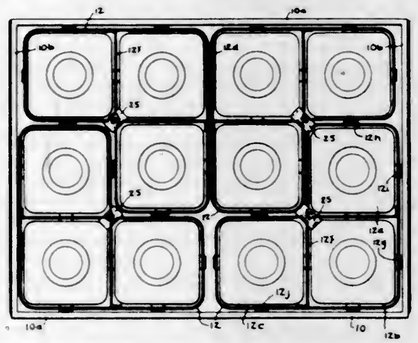
1. In combination, in a flight conveyor, a pair of chains having in certain links thereof polygonal openings, and conveyor flights having projections from their ends received in said openings and disposed with their longitudinal centers above the longitudinal centers of said flights, said projections also being polygonal and of smaller dimension on each side thereof than said openings.

2,575,611
IRON CHOLINE CITRATES AND METHOD OF PREPARING THE SAME
Fred J. Bandelin, Decatur, Ill., assignor to Flint Eaton and Company, Decatur, Ill.
No Drawing. Application July 22, 1949, Serial No. 106,320
2 Claims. (Cl. 260—439)

1. The compound prepared by the reaction of choline dihydrogen citrate with ferric hydroxide having the structure:

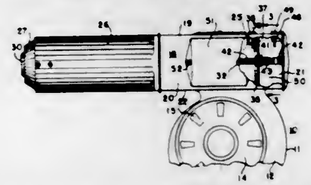


2,575,612
BOTTLE-CARRYING MEANS
Egner L. Bloomquist, Minneapolis, Minn.
Application March 10, 1947, Serial No. 733,620
4 Claims. (Cl. 217—19)



1. A milk bottle container having in combination, a casing of substantially rectangular form in plan and having an open upper end, a plurality of bottle carriers disposed in said casing, each comprising three compartments having common sides and being open at their upper ends, each compartment being constructed and arranged to receive a milk bottle, said compartments being arranged in L-shape in plan, said carriers thus being constructed and arranged to interfit in said casing, fit therein and substantially fill the area thereof, whereby said carriers form partitions in said casing for bottles.

2,575,613
OIL BURNER MOUNTING
Robert W. Boarman, Pottstown, Pa., assignor to Columbia Boiler Co., Pottstown, Pa., a partnership
Application February 21, 1950, Serial No. 145,495
1 Claim. (Cl. 158—76)



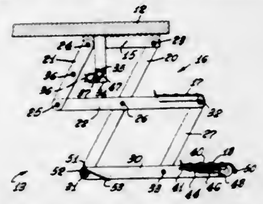
In an oil burner having an air blast tube and a burner head axially movable within said tube and having a rearwardly extending fuel supply pipe for axial movement of said head, the combination comprising a casing having spaced side walls enclosing an interior compartment and at the front end of which said blast tube is supported in communication therewith, means for supplying air under pressure to the interior of said compartment, abutments in the rear portion of said casing spaced from the rear end, a removable closure plate for engagement with said abutments for providing with said casing a separate rear chamber, a bracket on said closure plate, a bolt extending through a wall of said casing for engagement with said bracket, adjusting means carried by said closure plate for axially moving said fuel supply pipe, and a removable cover plate for the rear end of said rear chamber.

2,575,614
PREPARATION OF AMINOBENZOTHIAZOLE
Jack T. Cassaday and Erick I. Hoegberg, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 7, 1950, Serial No. 189,058
2 Claims. (Cl. 260—305)

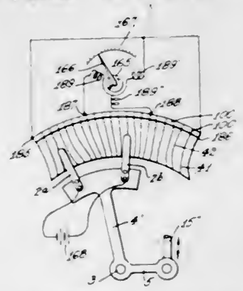
1. The method of preparing aminobenzothiazole hydrochloride that comprises subjecting o-aminobenzenethiol to the action of cyanogen chloride, and recovering the thus-formed aminobenzothiazole hydrochloride.

2,575,615
RETRACTABLE STEP
Woodford J. Crump, Los Angeles, Calif., assignor to Truk-Step Company, Inc., Los Angeles, Calif., a corporation of California
Application March 20, 1948, Serial No. 16,134
7 Claims. (Cl. 228—19.2)

1. A retractable step which includes: a pair of pivoted linkages each of the lazy tongs type; supporting means pivotally attached to each of said linkages to hold the latter in spaced parallel relationship, whereby a framework capable of extension and retraction is formed; a pair of step treads each extending between said linkages and attached thereto for movement therewith; a transverse member extending between said supporting means and rigid therewith; a second transverse member extending between said linkages and movable therewith; a resilient clip mounted on one of said transverse members and operable to hold the other transverse member firmly thereto, said clip engaging said other member automatically upon said transverse members being moved together, and being manually releasable, whereby said framework may be firmly held in extended position or released therefrom; and latching means operable to extend between said first transverse member and said framework when the latter is in retracted position for retaining said framework in said position, said latching means operating automatically when said framework is moved to retracted position, and being manually releasable to free said framework for movement to extended position.



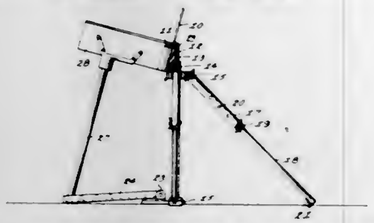
2,575,616
TELEMETERING TRANSMITTER WITH TWO PRIME MOVERS
Clarence A. de Giers, Forest Hills, and Abraham Edelman, New York, N. Y., assignors to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 15, 1945, Serial No. 628,844
7 Claims. (Cl. 201—48)



1. A transmitter for electrically transmitting a magnitude which is a function of two independently variable magnitudes, comprising a resistor, a plurality of conductors respectively electrically connected to spaced points along said resistor and all arranged and disposed in a predetermined surface, an electric contact element movable with respect to said surface and arranged to make electrical contact with said conductors, said conductors being disposed in a pattern such that movement of the contact in one direction modifies the effect of said conductor in relation to one of said variables, and movement of the contact at a substantial angle to said first direction will impose a further effect upon said resistor corre-

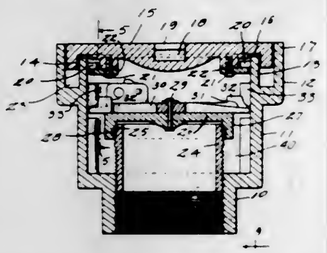
sponding to the second variable, means for moving said contact element across said surface in response to one of said two independently variable magnitudes, and means effecting a relative movement between said surface and said contact element in a direction at a substantial angle to the movement aforesaid across said surface in response to the other of said two independently variable magnitudes.

2,575,617
HOD SUPPORT
Fiorcornello Di Dio, Lynn, Mass.
Application September 14, 1948, Serial No. 49,265
3 Claims. (Cl. 248—149)



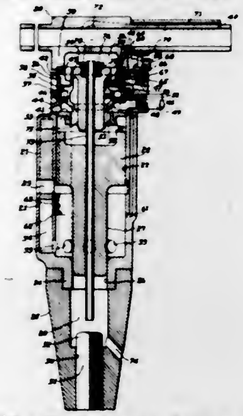
3. A hod rest comprising a thrust plate, a standard carrying the thrust plate, a base carrying the standard, bracing legs pivotally connected with the standard, and a channel pivotally connected with the base, the thrust plate having selectively positionable hod supporting ledges, and the channel being transversely partitioned to provide a series of handle seats.

2,575,618
FLUSH TYPE FILL BOX
John D. Dillard, Little Rock, Ark.
Application April 11, 1947, Serial No. 740,940
1 Claim. (Cl. 220—57)



In combination with a circular housing having a nipple projecting upwardly therein, a cover for said nipple, dogs projecting inwardly from the walls of the housing, a horizontally extending bar centrally pivoted upon the top of said cap and having end portions extending beyond the edge of said cap and having transversely inclined upper faces constituting cam surfaces engaging under the dogs to force the cap downwardly upon said nipple, an integrally formed abutment extending upwardly from each of said cam surfaces at one side thereof, an arm pivoted for radial vertical swinging movement mounted upon one end portion of said bar in circumferentially spaced relation to the abutment on said last named end portion and contiguous in its outward position with one side of one of said dogs when an abutment is contiguous with the other side.

2,575,619
ROCK DRILL
J. D. Ditson, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application November 19, 1945, Serial No. 629,588
4 Claims. (Cl. 121—10)



1. In a fluid actuated rock drill, a casing having a piston chamber and a cavity, a working implement extending into the cavity, a reciprocatory piston in the piston chamber for actuating the working implement, an outlet opening at the rear end of the piston chamber, valve means to control the outlet opening for controlling the escape of fluid displaced by the piston on its rearward stroke from the piston chamber, and means for conveying such fluid to the cavity for preventing the passage of dust from the atmosphere along the surface of the working implement toward the cavity.

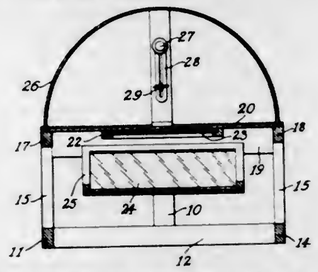
2,575,620
DETACHABLY MOUNTED CORN HARVESTER
Rector C. Fergason, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 4, 1946, Serial No. 651,737
9 Claims. (Cl. 56—18)



1. In a tractor-harvester combination, a tractor or the like having a rear axle structure supported by laterally spaced ground engaging wheels mounted on said structure adjacent opposite sides thereof and having a power take-off disposed adjacent the rear end of the tractor, a power transmitting assembly detachably mounted on said tractor to the rear of said axle structure and including a first power receiving element alined with said tractor power take-off for detachable driven connection therewith and additional power transmitting elements driven through said first element, a power actuated secondary trash removing assembly detachably mounted on the top side of said rear axle structure and having a power receiving element alined for driven connection with one of said additional

power transmitting elements, a unitary harvester assembly comprising an inclined picking and primary trash removing section which extends from a point adjacent the ground upward to a height greater than the ground clearance of said rear axle structure and a conveying section disposed in stepped-down extension forming relation with respect to the elevated end of said picking and trash removing section, said inclined picking and trash removing section and said conveying section each having an independent power receiving element, and means detachably mounting said unitary harvester assembly on said tractor with each of said independent power receiving elements alined for driven connection with other ones of said additional power transmitting elements, and with the elevated discharge end of said picking and primary trash removing section positioned in trash feeding relation with respect to said secondary trash removing assembly, and disconnectable means drivingly connecting said additional power transmitting elements with said alined power receiving elements on said secondary trash removing assembly and on said unitary harvester assembly.

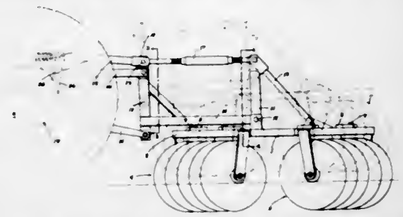
2,575,621
PHOTOGRAM PRINTER WITH A POINT LIGHT SOURCE AND ARCUATE REFLECTOR
Frank D. Fousek, Washington, D. C.
Application May 28, 1946, Serial No. 672,865
5 Claims. (Cl. 95—73)



4. A photogram printer comprising a frame, a light-transmitting table in said frame for supporting objects to be photographed, a member above the table, said member having an arcuate reflecting surface extending down approximately to the surface of said table, a point source of light above the table and close to the highest point of said reflecting surface, and means for supporting a light-sensitive sheet below the table.

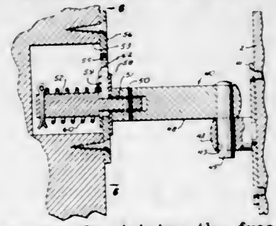
2,575,622
PICKUP IMPLEMENT
Frank M. Fraga, Fresno, Calif.
Application December 3, 1945, Serial No. 632,317
1 Claim. (Cl. 97—50)

An implement lifting hitch for a tractor which includes, at the rear, a transversely spaced pair of lift links and a longitudinally movable thrust arm operative to cause actuation of the links, such hitch comprising a rigid upstanding frame, means for pivoting the links to the lower end of such frame, a tension link adapted to be pivotally connected at one end to the tractor and at the other end to the frame above the links, a vertically disposed rigid member pivoted on the upstanding frame and comprising a relatively short clevis, the outer end of said thrust arm being pivoted to said clevis, an implement carrying frame mounted for vertical swinging movement relative to the upstanding frame and including another upright member rigid with said implement carrying frame, and a tie link pivoted



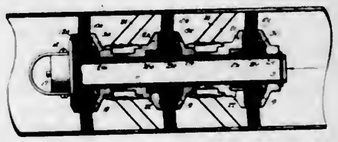
at one end to the clevis and pivoted at the other end on said last named upright member whereby to effect swinging movement of such vertically disposed member, and consequent movement of the thrust arm, in response to vertical swinging movement of the implement frame.

2,575,623
SPRING HINGE FOR COMBINATION STORM WINDOWS
Harold E. Graves, Jr., Akron, Ohio, assignor to Brown-Graves Company, Akron, Ohio, a corporation of Ohio
Application January 20, 1950, Serial No. 139,732
5 Claims. (Cl. 74—470)



1. A connector for joining the free edge of a casement sash to a storm sash, said connector comprising a link having a pintle at one end, a plunger pivoted to the other end of said link on an axis parallel to the axis of said pintle, a plate having an elongate slot, said plunger extending through said slot, and spring means acting between said plunger and said plate to urge said link toward said plate.

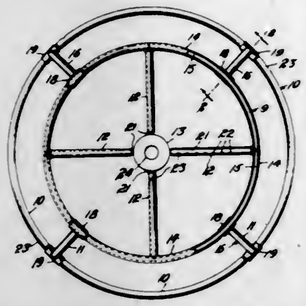
2,575,624
PIPE-LINE SWAB WITH EXPANSIBLE ELEMENT
Jesse E. Hall, Weatherford, Tex., assignor of ninety per cent to Nevada Leasehold Corporation, a corporation of Nevada, and ten per cent to Parker Industrial Products, Inc., a corporation of Texas
Application January 10, 1947, Serial No. 721,283
6 Claims. (Cl. 15—104.06)



6. In a pipe line swab, an elongated body, a centrally apertured flexible disk encircling said body, said disk in its normal, unstressed state having a concavo convex center portion, an an-

nular wedge encircling said body, and means for advancing said wedge axially of the body and into the aperture of said disk and at the same time flattening said center portion of the disk to force the material of the disk radially outward.

2,575,625
FRAME FOR ASSISTING IN DESIGNING AND MEASURING LAMP SHADES
Virginia M. Harlow, New York, N. Y.
Application January 14, 1950, Serial No. 138,624
4 Claims. (Cl. 33—175)



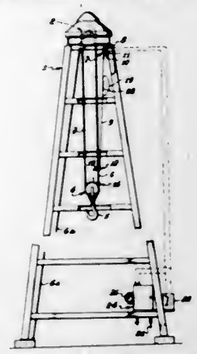
1. A frame for aiding the design of lamp shades, substantially universally adjustable as to size and shape and comprising top and bottom rings composed of telescopically engaged segmental wires and tubes and longitudinally extensible and contractible struts connecting said rings in variously spaced relation and composed of telescopically engaged, straight rod and tube sections having transverse sleeves at the ends of the same swiveled on the segmental rods of the rings between the segmental tubes of said rings and thereby spaced circumferentially of said rings.

2,575,626
FISHING LURE
Matthew J. Isaac, Dallas, Tex.
Application April 24, 1950, Serial No. 157,743
12 Claims. (Cl. 43—42.08)



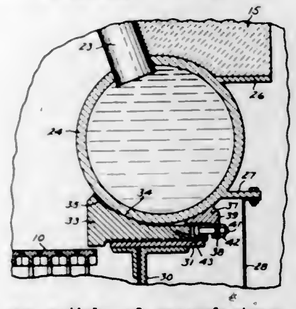
1. A fishing lure including, a body having a forwardly extending elongate plate provided with a downwardly inclined deflecting plate at its front end and a down-turned slotted flange at its rear end, a pair of elongate resilient hook carrying connecting members extending inwardly through the slotted flange and having an eye opening at their forward end, the deflecting plate having a vertically disposed slot formed therein and extending rearwardly in the forwardly extending elongate plate a short distance axially of the body, the eye opening at the forward end of the connecting members being disposed below the slot in the forwardly extending elongate plate and immediately behind the downwardly inclined deflecting plate whereby a fishing line may be connected with said eye opening, and a screw threaded through said forwardly extending elongate plate and into the body and extending between the resilient connecting members and clamping said connecting members between the head of the screw and the under side of the forwardly extending plate.

2,575,627
CROWN BLOCK SAFETY SWITCH
Glenn D. Johnson, Compton, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a company
Application May 7, 1949, Serial No. 92,028
3 Claims. (Cl. 200—47)



3. In a well drilling apparatus including a derrick provided with a crown block and traveling block means operatively associated therewith, the provision of a safety device comprising: a control switch positioned adjacent to the crown block; a deadline connecting the crown block and traveling block; a weight slidably mounted on said deadline; a cable including a tension spring operably connected thereto along its length and a cable section limiting extension of said spring, said cable connecting the weight and the control switch to normally hold the switch in energized position and to maintain said switch non-responsive to normal movement of the travel block; and means operably associated with the traveling block means for lifting said weight and opening the control switch when the traveling block is in proximity to the crown block.

2,575,628
WATER-COOLED FURNACE WALL
Oscar A. Johnson, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 2, 1946, Serial No. 700,746
4 Claims. (Cl. 122—4)

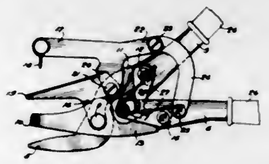


1. As an article of manufacture, a wedge-shaped block having a relatively thick inner portion adapted to provide lateral support for a fuel bed, the block having a slightly elevated rib of substantial width extending along its upper surface and spaced from the inner edge of the block, the rib having a concave upper surface for engagement with the lower surface of a water wall header.

2,575,629
PREPARATION OF MELAMINE
William J. Klapproth, Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 25, 1950, Serial No. 192,160
2 Claims. (Cl. 260—249.7)

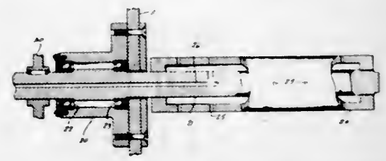
1. The method of preparing melamine that comprises heating hydrogen cyanide and a member of the group consisting of diammonium imido disulfate, triammonium nitrilotrisulfate, ammonium sulfamate, sulfamide, and ammonium sulfate in a closed reaction zone at a temperature of about 275°–550° C. and under a pressure of at least 500 p. s. i., whereby melamine is formed, and recovering the thus-formed melamine.

2,575,630
PLIER TYPE TILE PIERCING TOOL
Karl J. Klenk, Wilmington, Del.
Application August 12, 1949, Serial No. 110,006
1 Claim. (Cl. 164—121)



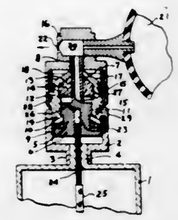
A tool for piercing roofing tile and like purposes comprising a pair of hand levers pivotally connected together at their front ends, a pair of leverage members in front of said hand levers, a pivot stud pivotally connecting said members at a point in front of the pivotal connection between the hand levers, said members having leverage extensions projecting rearwardly to the hand levers and pivotally connected with the respective hand levers in back of the pivotal connection between the hand levers, companion piercing jaws in front of the hand levers, one of said piercing jaws being pivotally supported on said pivot stud and having a rearwardly extending portion, a second pivot stud pivotally connecting said rearwardly extending portion with the leverage extension of the adjoining member at a point between the first-mentioned pivot stud and the pivotal connection of the leverage extension of that member with the adjoining hand lever, the other piercing jaw being pivotally fulcrumed on said second pivot stud connecting the first jaw with the leverage extension and a link pivotally connected with said second-mentioned jaw and pivotally connected with the other hand lever, whereby to effect the closing and opening of said jaws upon closing and opening movements of said hand levers.

2,575,631
VACUUM MANDREL
Edwin A. Link, Milwaukee, Wis., assignor to McGraw Electric Company, Milwaukee, Wis., a corporation of Delaware
Original application October 21, 1947, Serial No. 781,073, now Patent No. 2,567,387, dated September 11, 1951. Divided and this application December 29, 1950, Serial No. 203,259
1 Claim. (Cl. 242—68)



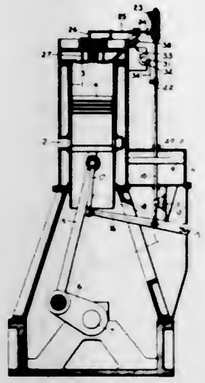
A vacuum mandrel construction comprising a support, a shaft revolubly supported from said support and having an inner end portion and an outwardly projecting portion, bearing means between said support and said shaft arranged to provide axially spaced bearing zones for said shaft, means for rotating said shaft, a mandrel rigidly carried by the outwardly projecting portion of said shaft and having substantially air-tight connection with said shaft at the inner and outer ends of said mandrel, said mandrel having a plurality of apertures opening through its peripheral surface, said shaft having a passageway opening through its inner end portion and communicating with the apertures in said mandrel, a source of vacuum, a source of compressed air, valve means, and a rotary air coupling between the inner end portion of said shaft and said valve means, said valve means being arranged to selectively connect the passageway of said shaft with said source of vacuum and said source of compressed air.

2,575,632
NORMALLY SEALED ATOMIZER
Elmer Lipman, Detroit, Mich.
Application April 27, 1950, Serial No. 158,527
4 Claims. (Cl. 299—88)



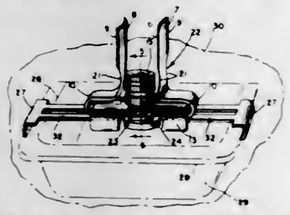
1. An atomizer comprising an adapter for connection to a receptacle, a core fitted in said adapter, a slide fitted in said adapter and core, a head mounted on said slide and having a chamber and an outlet port, said slide having an interrupted fluid passage from its lower end to said chamber, with an intermediate exposed port, packing in said core, and a spring between said core and head normally drawing said port against said packing, whereby said passage is opened only on actuating said slide against the pressure of said spring, said core having a venting passage, and a packing on said slide positioned to close said venting passage on expansion of said spring.

2,575,633
INTERNAL-COMBUSTION ENGINE
Gerard Johan Lugt, Amsterdam, Netherlands, assignor to Werkspoor N. V., a company of the Netherlands
Application September 17, 1947, Serial No. 774,542
In the Netherlands January 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 9, 1966
13 Claims. (Cl. 123—70)



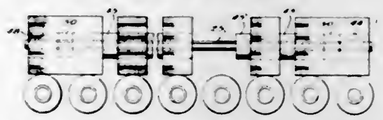
1. A two-stroke internal combustion engine of the uni-directional flow type, comprising a power cylinder closed at one end, a reciprocating piston within the power cylinder, a crank shaft, a connecting rod and a crank operatively connecting the piston to the crank shaft, said cylinder being provided with outlet means in its closed end and with air inlet ports in its wall positioned to be uncovered by the piston when it nears its inner dead center, an air scavenger pump comprising a pump cylinder and a reciprocating pump piston within the pump cylinder, the pump cylinder being located adjacent the power cylinder, and the pump piston being provided with connecting rod mechanism operatively connected to the moving piston system of the power cylinder and also to the outlet means of the power cylinder, the outlet passages of the air pump being in communication with the air inlet ports in the wall of the power cylinder.

2,575,634
SMOKER'S PIPE CLEANER
Allan Marshall, Whiting, Ind.
Application April 25, 1949, Serial No. 89,477
3 Claims. (Cl. 131—232)



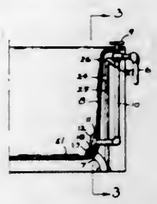
1. Smoker's pipe cleaning means comprising, a support, pipe scraper blade means adjustably secured to the said support, securing means for attaching removably the said pipe scraper blade means to the said support, the said pipe scraper blade means including, a pair of pipe scraper blade elements having concave upright portions resulting in two scraper edges on each blade of said pair of pipe scraper blade elements, the said upright portions provided with hair-pin bent portions at the bottom thereof terminating in bifurcated portions assembled in overlapping and coincident relationship, channel bracket means in superimposed relationship over the said bifurcated portions to prevent lateral displacement thereof, and attaching means for securing removably the said pipe cleaning means to another related article, the said securing means securing simultaneously the said scraper blade means in varied adjustable positions to the said channel bracket means and to the said attaching means in varied adjustable positions.

2,575,635
ROTARY BRUSH
George T. Meyer and Otto Dreher, Milwaukee, Wis., assignors to Geo. J. Meyer Manufacturing Co., Cudahy, Wis.
Application April 4, 1945, Serial No. 586,502
6 Claims. (Cl. 15—181)



1. A rotary bottle brush of the character described comprising, a rotary shaft, a plurality of cylindrical brush sections mounted on said shaft, bristles mounted about the periphery of said sections, each section comprising a plurality of segments, means extending parallel to said shaft formed on one of said segments engageable with another segment to hold the segments in assembled position on said shaft, and means to transmit rotation from said shaft to said sections.

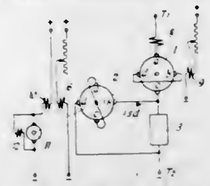
2,575,636
CIRCULATORY SUPPLY AND DRAINAGE SYSTEM FOR BATHTUBS
William M. Patch, Santa Ana, Calif.
Application February 4, 1950, Serial No. 142,461
9 Claims. (Cl. 4—173)



1. In a bath tub, the combination of: inlet means for admitting water in a circulatory stream in said tub in contact with a wall thereof and adjacent the bottom thereof; outlet means in a wall of said tub having an opening facing upstream against said circulatory stream; and means for preventing the re-entry of water to said inlet means.

2,575,637
DIRECT-CURRENT POWER SYSTEM
Joseph Maximus Pestarini, New York, N. Y.
Application July 28, 1947, Serial No. 764,164
7 Claims. (Cl. 171—123)

1. A power system comprising a pair of dynamo electric machines, each of said machines including an armature provided with a pair of primary brushes and a pair of secondary brushes, and at least one field winding, said machines being mechanically coupled for simultaneous rotation, a circuit including the primary brushes of one of said machines for receiving an input current, the secondary brushes of said last mentioned machine forming a closed circuit, a consumer connected across the secondary brushes of the other of said machines and in series with the primary brushes of the first mentioned machine, whereby said consumer is traversed by said



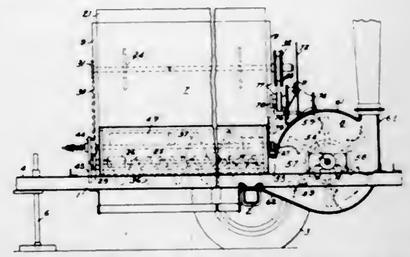
input current and by the secondary current of said second mentioned machine and dynamo electric means coupled to said machines for creating a control current varying rapidly with changes in the rotational speed of said machines, a circuit comprising at least one of the field windings of at least one of said machines adapted to be traversed by said control current whereby the rotation of said machines is maintained at substantially constant speed independently of the load of said consumer.

2,575,638
CUCUMBER HARVESTER
Peter F. Price, Kalamazoo, Mich.
Application November 19, 1948, Serial No. 60,913
2 Claims. (Cl. 294—50.8)



1. A harvesting implement for vine grown crops comprising an elongated handle, a stationary jaw fixed to and projecting from the lower end thereof, a movable jaw swingably connected to the stationary jaw, spring means for normally biasing the movable jaw to an open position, manually actuated means for swinging the movable jaw to a closed position, said manually actuated means comprising a lever swingably connected to the handle intermediate of the ends of the latter, a link member pivotally connected to one end of said lever and to said movable jaw, the opposite end of said lever forming a handle portion for rocking the lever in one direction for moving the movable jaw to a closed position, said link member being sufficiently rigid to swing the movable jaw to a closed position and to hold the jaws in sufficiently tight gripping engagement for disengaging a cucumber from a vine yet being sufficiently resilient to yield outwardly in response to an excess force exerted thereon by the lever to prevent the jaws from engaging the cucumber with sufficient force to bruise the surface thereof.

2,575,639
AUGER-TYPE FEEDING DEVICE FOR SILAGE BLOWERS
Charles J. Scranton and Brantford G. Elliott, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 30, 1945, Serial No. 632,066
7 Claims. (Cl. 222—238)

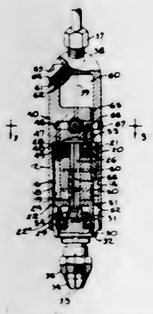


1. In combination, a hopper structure adapted to be suddenly completely or partially filled with a compactible adherent mass of comminuted material and having a trough-like portion provided with at least one end wall, a pair of elongated conveying elements operatively mounted within and adjacent the bottom of said portion so as to extend away from said end wall in adjacent side-opposed relation with respect to each other, said end wall having an opening therethrough alined with and exposing the opposed ends of both conveying elements, a third elongated conveying element operatively mounted within said portion so as to extend away from said end wall in generally parallel overlying relation with respect to said pair of elements and approximately midway between same, and means for operating said pair of elements to simultaneously move material longitudinally thereof and through said opening and for operating said third element to simultaneously move material longitudinally thereof and away from said opening, said third element having its end portion remote from said opening provided with a longitudinally and radially extending paddle constructed to direct material away from said end portion in a lateral direction with respect to its longitudinal axis.

2,575,640
LUBRICATING SYSTEM FOR AIR MOTORS
Ernest H. Shaff, Spring Lake, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan
Application November 8, 1947, Serial No. 784,873
3 Claims. (Cl. 121—34)

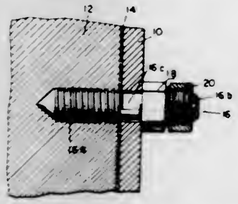
1. A rotary pneumatic tool comprising, in combination, an elongated casing having a chamber in one end and a closed lubricant reservoir at the other end, a motor in said chamber comprising a cylinder and end plates at the forward and rear ends thereof, said cylinder coacting with the inner wall of the motor chamber to form an exhaust chamber, a spindle extending through the cylinder end plates axially thereof, a rotor mounted on said spindle and eccentrically disposed within said cylinder and having vanes slid-

ably engaging the inner cylinder wall, a bearing for the rear end of the spindle comprising an outer race carried by the rear end plate and an inner race on the spindle, a bearing for the forward end of the spindle comprising an outer race mounted in the casing and an inner race fast on the spindle, and means for supplying air under pressure to the motor chamber and lubricant reservoir comprising a valve controlled air passage and an annular inlet channel, the outer race of the rear bearing coacting with the end plate and with said casing to form said chan-



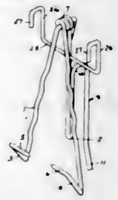
nel, inlet ports connecting said channel to said motor and a restricted passage connecting said channel to said reservoir, a rear lubricant chamber formed by said casing and the rear spindle bearing and in restricted communication with said lubricant reservoir and a second lubricant chamber formed by the forward end plate and bearing, said spindle having a duct connecting said bearing chambers so that lubricant is conducted from said reservoir to said motor and bearing chambers by reason of pressure built up in the reservoir under operating conditions.

2,575,641
CONE GRIP LOCK NUT
John Summers, Chillicothe, Ohio
Application October 2, 1947, Serial No. 777,524
6 Claims. (Cl. 151—19)



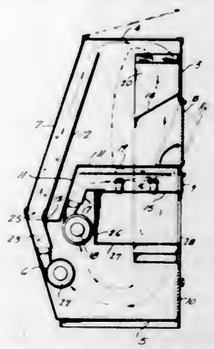
1. In a stud and nut assembly for use in securing together machine or structural parts exposed to high temperatures, the combination of a stud bolt, an internally threaded holding nut having a slotted, externally tapered and threaded shank portion, and a locking nut having a bore tapered and threaded to correspond to the taper and threading of the shank portion, the holding nut being threaded on to the stud bolt and said locking nut being threaded on to the shank portion of the holding nut, said stud bolt and locking nut being made from a hard metal and said holding nut being made from a more ductile metal having a higher coefficient of expansion than said hard metal.

2,575,642
PLEAT FORMER AND HOLDER
August R. Sylvanus, San Francisco, Calif.
Application June 19, 1948, Serial No. 34,102
5 Claims. (Cl. 24—85)



3. A pleat former and holder for draperies and curtains comprising a pair of legs, means pivotally connecting said legs together at one of their ends for swinging their opposite ends apart for receiving a portion of said draperies therebetween, means releasably locking said legs together with said portion of said draperies between said legs and extending substantially along the length of said legs, extensions on said opposite ends of said legs projecting generally laterally to corresponding sides of said legs, said extensions terminating in pointed end portions directed toward each other and adapted to lie in side by side relationship when said legs are together for impaling the folds of a pleat thereon with said extensions gripping said folds to hold them together.

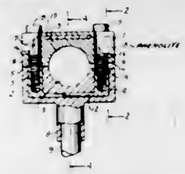
2,575,643
POPCORN WARMER
Rudolf N. Tamsen, Milwaukee, Wis., assignor to Supurdisplay, Incorporated, Milwaukee, Wis., a corporation of Wisconsin
Application April 5, 1948, Serial No. 18,961
4 Claims. (Cl. 34—225)



1. In a popcorn warming apparatus the combination comprising a cabinet, a horizontal foraminous floor disposed midway between the top and bottom of said cabinet dividing the same into upper and lower portions, said foraminous floor being adapted to support a body of popcorn disposed thereon, heating means beneath said floor, a first air forcing means disposed below said heating means adapted to draw air from the lower part of said cabinet and compel the movement of the same over said heating means and through said foraminous floor into the upper part of said cabinet, a vertical return passage within said cabinet extending from a point above said foraminous floor to a point below the same, said return passage being open to receive air discharged into the upper part of said cabinet and

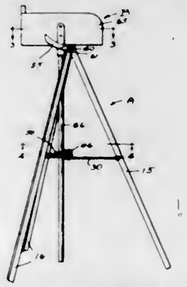
to return and discharge the same into the lower part of said cabinet, an upwardly extending container wall joined with said foraminous floor and spaced inwardly from the inner surface of said cabinet to form a circulation channel extending from the lower part of said cabinet to the upper part of said cabinet, and second air forcing means adapted to compel an upward circulation of air in said circulation channel.

2,575,644
BATTERY TERMINAL CONNECTOR
Orrin H. Thomas, Williamsport, and Robert Elton, Shenandoah, Pa.
Application December 19, 1946, Serial No. 717,296
4 Claims. (Cl. 173—259)



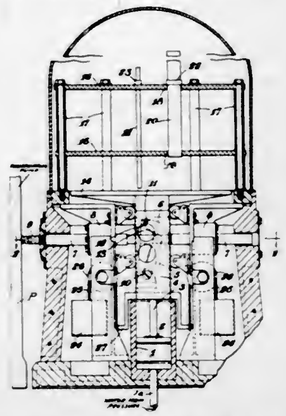
1. A battery terminal connector, comprising a pair of coacting sections, each of said sections including a jaw member formed of soft, noncorrosive metal and having a semi-circular recess, a U-shaped reinforcing insert embedded in one of said jaw members and having a pair of hollow posts, a second U-shaped insert embedded in the other of the jaw members and having a pair of threaded sockets, said first-mentioned jaw member having recesses concentric with the adjacent hollow posts, said second-mentioned jaw member having recesses concentric with said threaded sockets and in alignment with said recesses in said first mentioned jaw member, a first bushing extending into one of said recesses in said first mentioned jaw member and extending into one of said recesses in said second mentioned jaw member, a second bushing extending into the other of the recesses in said first mentioned jaw member and extending into the other of the recesses in said second mentioned jaw member, and a pair of screws protruded through said posts and bushings and engageable in said threaded sockets.

2,575,645
COLLAPSIBLE STAND FOR SUPPORTING HODS AND THE LIKE
Peter Thomson, Wilmington, Del.
Application November 1, 1948, Serial No. 57,813
7 Claims. (Cl. 248—163)



3. In a stand for supporting a hod having a substantially V-shaped body portion, said stand including a plurality of upwardly-converging legs; a pair of downwardly-converging curved arms constructed and arranged to provide a cradle for said body portion, means pivotally connecting and releasably retaining in selected adjusted positions, one with respect to the others, a first of said legs, a second of said legs and one of said arms, at the upper ends of said first and second of said legs and at the lower end of said arm; and means pivotally connecting and releasably retaining selected adjusted positions, one with respect to the others, a third and said second of said legs and the other of said arms, at the upper ends of said second and third legs and lower end of said other of said arms.

2,575,646
INJECTOR APPARATUS
Ernest Williams and Bruce Whitehead, Tunbridge Wells, and John Percy Mercer, Tonbridge, England, assignors to E. C. D. Limited, Tonbridge, England, a company of Great Britain
Application May 1, 1950, Serial No. 159,158
In Great Britain May 10, 1949
8 Claims. (Cl. 103—37)

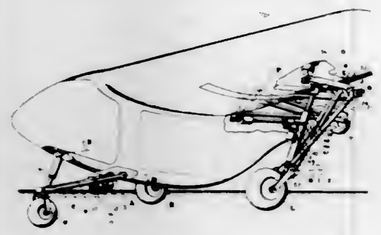


1. In an injector apparatus of the kind in which a variable delivery device is automatically controlled to vary its rate of delivery as a function of the rate of flow of a main substance to which said device is required to make addition, a control device comprising a pressure responsive member responsive to pressure developed in dependence upon said rate of flow of said main substance, an upwardly movable member connected to said pressure responsive member to be moved upwards thereby, a plurality of separate exchangeable weights in the upwards path of said upwardly movable member and positioned to be sequentially engaged thereby, and a control operating member driven by said upwardly movable member for automatically controlling said delivery device.

2,575,647
AIRCRAFT LANDING GEAR
William R. Winslow, North Tonawanda, N. Y.
Application January 13, 1948, Serial No. 1,952
3 Claims. (Cl. 244—102)

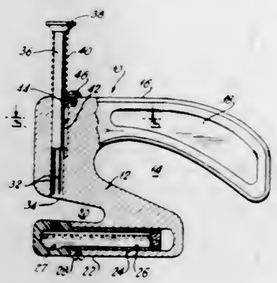
3. In an aircraft, a landing gear unit extending downward from its underside and being in effect composed primarily of five structural members, the first at one point pivotally attached directly to the structure of the aircraft and at another point pivotally attached through a shock

absorbing device to the structure of the aircraft, the second pivotally attached to the first at or near the point at which the first is pivotally attached to the structure of the aircraft, the third carrying a landing wheel and being pivotally attached to the second, the fourth at one end pivotally attached to the third and at the other end pivotally attached to the first, and the fifth pivotally attached to the second at or near the point of pivotal attachment of the second and third, said fifth member being possessed of the ability to be lengthened or shortened to change the



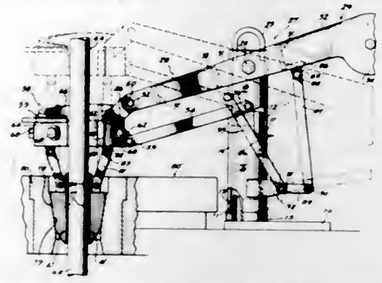
shape of the basic triangle formed by the first, second and fifth members and thereby to effect movement of the location of the landing wheel with respect to the aircraft, and to so effect movement of the wheel to any one of the three locations suitable, respectively, for (1) a horizontal take-off or landing, (2) a vertical take-off or landing and (3) stowage in flight within the streamlined shape of the aircraft, the unit in said third location having a compact form affording room for maximum depth of spars or bulkheads and thus requiring less displacement of stringers and other load-carrying structures.

2,575,648
POULTRY AND LIVESTOCK INOCULATOR
Alfred B. Willson, East Hartford, Conn.
Application April 26, 1950, Serial No. 158,093
3 Claims. (Cl. 128—253)



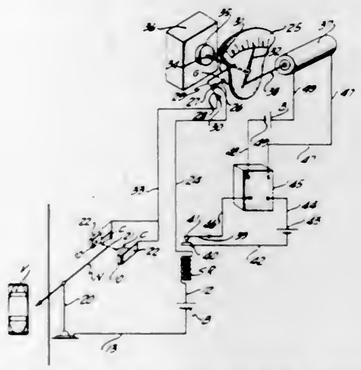
1. A device of the character described comprising a generally S-shaped body member, the top arm thereof comprising a handle, the bottom arm thereof being hollowed to receive a serum container, a needle-bearing plunger mounted on the body reciprocably shiftable therethrough at an angle to the bottom arm, and means on the plunger, normally positioned upwardly of the body member, operable from a point adjacent the top arm, to shift the needle into and out of the serum contained in the bottom arm.

2,575,649
AUTOMATIC DRILL SLIP UNIT
Walter A. Abegg, Los Angeles, Calif., assignor, by mesne assignments, to Abegg & Reinhold Co., Los Angeles, Calif., a corporation of California
Application December 17, 1946, Serial No. 716,767
10 Claims. (Cl. 24—263)



1. In an automatic drill slip unit, an outer arcuate member having a gap in a side thereof to admit a drill pipe therethrough, an inner arcuate drill slip support member adapted to be inserted in said outer arcuate member, a plurality of rollers removably mounted on one of said arcuate members and having rolling rotatable support relatively to the inner arcuate member for concentric relative rotative movement between said arcuate members, the inner arcuate member having a gap therein adapted to register with the gap in the outer member to pass a drill pipe therethrough, the inner arcuate member being adapted to be moved rotatably relatively to the outer arcuate member to close the gap and retain a drill pipe therein, and a plurality of tapered slips suspended from the inner arcuate member when elevated above a rotary table with the lower edges of said slips disposed radially inwardly of the upper edge of the tapered seat when so elevated to guide the slips into the seat on lowering the unit from an elevated position over the seat.

2,575,650
PARKING METER DEVICE
Russel C. Alexander, Long Beach, Calif.
Application October 3, 1949, Serial No. 119,295
2 Claims. (Cl. 161—15)



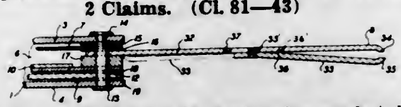
1. A parking meter that includes: unexpired time indicating means; means to place said unexpired time indicating means in operation for a predetermined length of time; a compass needle, with said needle occupying a first position when a vehicle is adjacent thereto and a second position when no vehicle is adjacent thereto; an opaque member rigidly affixed to said needle, with said member having an aperture formed therein through which light may pass; a photoelectric cell positioned in vertical alignment with said aperture when said needle is in said second position; and electrical means capable of returning said unexpired time indicating means to a zero reading position when said electrical means is energized, and said photoelectric cell operatively connected to said electrical means to permit energization of said electrical means when light strikes said cell.

2,575,651
LOCKING DEVICE
Nathan Eugene Blanke and Hillard J. Sands, Cleveland, Ohio, assignors to The Harvard Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 3, 1949, Serial No. 91,046
9 Claims. (Cl. 5—299)



4. In a frame, a leg of substantially U-shape in cross section and having a base face and a pair of side faces, one of said side faces having a slot therein which slants slightly inwardly of said leg towards said base face, said leg having a vertically extending channel formed therein at the corner between said slotted side face and said base face, a rail member, and a stud on said rail member and protruding therefrom, said stud being engaged with said slot and being movable downwardly thereof to force an end of said rail member to abut against said channel to secure said rail member tightly to said leg.

2,575,652
POCKET TWEEZER ARTICLE
Ransom Y. Bovee, Van Nuys, Calif.
Application August 19, 1947, Serial No. 769,343
2 Claims. (Cl. 81—43)



2. In a tweezer blade device for pocket kits and the like, the device comprising an elongated blade having means at one end for pivoting it to a casing and a turned portion at the other end to act as one jaw of a pair of jaws, a short springy blade having one end pivoted to a central portion of the elongated blade and its other end turned toward the elongated blade to form the other jaw of said mentioned pair of jaws, and protruding means on the short blade near the pivot thereof for spreading the ends of the jaws apart.

2,575,653
GUN SIGHT
Maynard P. Buehler, Oakland, Calif.
Application August 5, 1949, Serial No. 108,764
2 Claims. (Cl. 33—50)

1. A detachable gun sight for mounting on a telescopic sight mount comprising an elongated, rectangular plate having at one end a perpendicularly-extending flange provided with a centrally-located, internally screw-threaded aperture, said plate having intermediate its length and in its respectively-opposite longitudinal edges notches providing portions engageable by the windage screws of a telescopic sight mount, a sight plate having a screw-receiving notch and a sight opening therein overlying the flange of said first-mentioned plate with said screw-receiving opening in registry with said internally screw-threaded aperture, a button overlying said sight



plate opposite said first-mentioned plate flange and having a centrally located bore in registry with said screw-receiving opening and a counterbore in one end of said bore, a coiled spring in said counterbore, and a screw extending through said spring, said button and said second plate and threaded into the screw-threaded aperture in the flange of said first-mentioned plate, said screw having a head which bears against the outer end of said spring and marginally engages said button around said counterbore when said screw is tightened against said button.

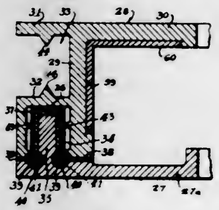
2,575,654
BOTTLE CARRIER
Roger H. Casler, Oakville, Conn., assignor to Roy S. Sanford, Oakville, Conn.
Application September 16, 1946, Serial No. 697,197
8 Claims. (Cl. 229—52)



5. A multiple compartment bottle carrier comprising a single piece of paper board having a pair of adjacent substantially identical main side wall panels folded 180 degrees about the junction line therebetween with their back surfaces substantially in engagement, said panels being provided with registering handle openings adjacent said junction line, a pair of reinforcing panels integrally connected to the side edges of said main side wall panels and folded 180 degrees about the said side edges of said wall panels and folded 180 degrees about the extension of said junction line, said reinforcing panels being secured to said main wall panels and provided with handle openings adapted to register with the first named handle openings, bottom panels adjacent the lower edges of said main wall panels folded outwardly substantially 90 degrees to said main wall panels, outer side wall panels adjacent the outer edges of said bottom panels folded upwardly substantially 90 degrees with respect to said bottom panels, integral end wall panels connecting the side edges of said main and outer side wall panels to form end walls, a pair of spaced partition forming members partially cut

from each main side wall panel and folded outwardly therefrom along lines forming substantially equal and oppositely disposed angles with respect to the vertical center lines of said main wall panels, and a pair of similarly spaced partition forming members partially cut from said outer side wall panels folded inwardly toward said main wall panels about lines substantially parallel to the fold lines of the corresponding members of the first named pair of partition forming members, the free ends of the corresponding members of each pair being joined in overlapping relationship to form spaced connecting compartment forming partitions between said main and outer side wall panels having multiple layer bottle separating portions, said partitions being generally inclined with respect to each other to facilitate the insertion of bottles in said compartments.

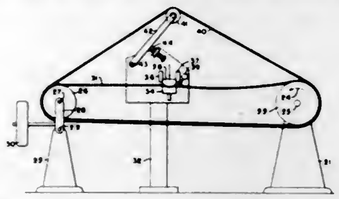
2,575,655
SASH CONSTRUCTION
Edouard Clerk, St. Hilaire, Quebec, Canada
Original application July 25, 1947, Serial No. 763,558. Divided and this application October 13, 1948, Serial No. 54,311. In Canada June 14, 1947
2 Claims. (Cl. 189—76)



1. A sectional metal sash frame including a main section comprising top, bottom and side rails each presenting a web and an outdoor flange extending inwardly from the outdoor side of the web, said webs and flanges forming, respectively, the bottom wall and the outdoor side wall of a glazing channel, vertically aligned indoor flanges projecting upwardly and downwardly from the indoor side of the web of the bottom rail and having their free longitudinal edges beveled so that they converge in the direction of the outdoor sides of said flanges, a facing plate provided with a dovetail groove in which the indoor flanges of the bottom rail are fitted and additional facing plates removably secured to the bottom sides of the top and side rails to form the indoor side walls of the top and side portions of the glazing channel, the indoor side wall of the bottom portion of said channel being formed by the indoor flange projecting upwardly from the web of the bottom rail.

2,575,656
MEANS FOR FINISHING WORKPIECES OF IRREGULAR SHAPES
Harry D. Coe, Jr., and Joseph B. Dym, Pittsburgh, Pa.
Application November 26, 1948, Serial No. 62,102
4 Claims. (Cl. 51—141)

4. A device for finishing a workpiece of irregular shape, comprising two mutually spaced belt wheels, an endless abrasive belt having a smooth inner surface and an abrasive outer surface and surrounding said two wheels, an endless drive belt having larger length than said abrasive belt and surrounding said wheels and said abrasive belt, tautening means engaging said drive belt to maintain it spaced from said abrasive belt at one side of said wheels and in contact with said abrasive surface of the other side of said wheels,



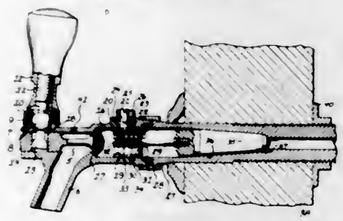
and a supporting block having a surface engaged by the inner side of said abrasive belt and being disposed within said abrasive belt at the belt side where said drive belt is spaced from said abrasive belt.

2,575,657
THRESHOLD PLATE ASSEMBLY
Clarke C. Curley, Lorain, Ohio
Application January 4, 1949, Serial No. 69,073
1 Claim. (Cl. 20—64)



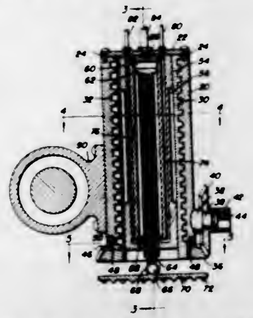
In a plate assembly for a threshold, a pair of elongated casings each embodying a horizontally-disposed bottom wall arranged contiguous to said threshold, said bottom wall being shaped to define a longitudinally-extending recess for receiving a portion of a floor covering therein, a vertically-disposed side wall supported by said bottom wall and provided with a longitudinally-extending ledge, a body member positioned between said casings and supported by the bottom walls thereof, said body member being provided with a pair of longitudinally-extending cutouts for receiving said ledges to prevent shifting of said body member, the bottom wall of one casing having an offset portion therein and the side wall of the other casing having an offset portion extending therefrom parallel to the offset portion on the bottom wall of the first casing so that said offset portions are arranged in overlapping relation to each other below and in contact with the lower surface of said body member.

2,575,658
BEER FAUCET
Roger Del Nero, Rome, N. Y.
Application November 21, 1947, Serial No. 787,334
8 Claims. (Cl. 277—42)



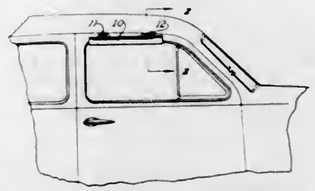
1. In a beer faucet, a barrel, a lever-actuated main valve in the barrel, a flow control valve in the barrel, and resilient means in the barrel for holding the flow control valve in the open position, the flow control valve being nonresponsive to the normal opening movement of the main valve, and positioned to be shifted toward closed position by the extreme opening movement of the main valve.

2,575,659
JACK
Troy D. Ensey, Scappoose, and Marshall Simmons, Portland, Oreg.; said Ensey assignor to said Simmons
Application April 8, 1948, Serial No. 19,813
5 Claims. (Cl. 254—86)



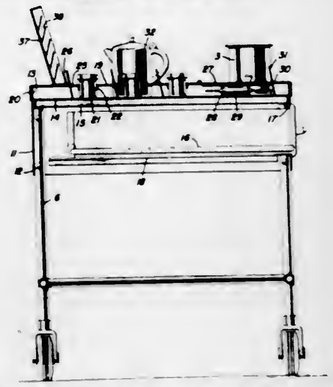
1. In a vehicle including an under-carriage, wheel lifts for each wheel, each lift comprising an internally threaded housing adapted to be secured to the under-carriage adjacent each wheel, a sleeve having a keyway and threadedly received in said housing, mechanical means rotatably secured to the outside of said housing and disposed in part in said keyway for urging said sleeve from said housing, a block secured in said housing and within said sleeve, a piston in said block, means for actuating said piston, and an extension adjustably secured in said piston.

2,575,660
EXTERNAL VISOR FOR AUTOMOBILE WINDOWS
Percy J. Geidl, Sioux City, Iowa
Application June 6, 1950, Serial No. 166,379
3 Claims. (Cl. 296—44)



1. An external visor for an automobile window comprising a flat piece of transparent material having a length substantially as great as the width of the window opening in an automobile door on which the visor is to be installed, bifurcated arms receiving said piece of material between the furcations thereof and disposed near respectively opposite ends of said piece of material, said arms being substantially perpendicular to one edge of said piece of material and projecting outwardly from said one edge, each of said arms having apertures in one furcation thereof and tapped recesses in the other furcation registering with said apertures and said piece of material having apertures registering with said recesses, screws extending through the apertures in said arm furcations and said piece of material and threaded into said recesses to secure said piece of material between the furcations of said arms, and brackets pivotally secured one to each of said arms at the end thereof projecting from said one edge of said piece of material for mounting said visor on an automobile door.

2,575,661
MEDICAL THERAPY CART
Marie E. Hickey, East Chicago, Ind., assignor of fifty per cent to Anne E. Kass, Mauston, Wis.
Application January 20, 1950, Serial No. 139,743
1 Claim. (Cl. 211—1)

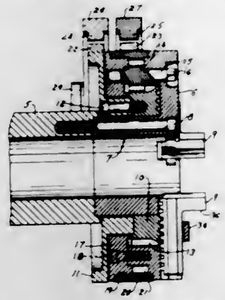


A medical therapy device comprising a frame including four supporting legs, a continuous sheet metal panel extending around the upper portions of the legs, said panel being secured to said legs and including an upper edge extending upwardly above the upper ends of the legs to form a continuous upstanding wall, a shelf positioned inside the wall and including a depending peripheral flange resting on top of the legs to removably support the shelf in position, a cover removably supported on the upper edge of the panel and including a downturned peripheral flange overlapping the outer side of the wall forming portion of the panel, said cover having a plurality of article receiving openings therein with the edges defining the openings extending downwardly to form flanges adapted to surround articles placed in the openings, and said cover also having a plurality of card receiving slots, there being one slot behind each opening adapted to receive a card for indicating the article in the opening it is disposed behind.

2,575,662
MACHINE POWERED CHUCK
George A. Highberg, West Hartford, Conn., assignor to The Whiton Machine Company, New London, Conn.
Application November 19, 1949, Serial No. 128,444
7 Claims. (Cl. 279—114)

5. For a machine, a chuck comprising in combination a body, a plurality of jaws movable on said body, a scroll plate, having a series of gear teeth thereon and rotatable in and with said body for moving said jaws to open and closed positions, a lug on said scroll plate, a pinion rotatable in said body and engageable with said gear teeth, a ring gear rotatable on said body and having teeth engageable with the teeth of said pinion, a lug on said ring gear, fixed abut-

ment mechanism including a pair of levers pivotally mounted independently of the chuck and on a stationary portion of the machine, a separate abutment operable by each of said levers; one of the said levers being separately operable during rotation of the chuck to cause engagement of its respective abutment with the lug on the scroll plate to thereby stop the scroll plate



and cause movement of the jaws in one direction, and the other of said levers being separately operable to cause engagement of its respective abutment with the lug on the ring gear to thereby stop rotation of the ring gear and, through the said pinion, cause the said scroll plate to rotate faster than the said chuck body to thereby cause movement of the jaws in the opposite direction.

2,575,663

PROCESS FOR THE TREATMENT OF THE WHITE FRACTION LATEX IN WHICH NON-RUBBER CONSTITUENTS ARE DECOMPOSED

Lili Nelly Sophie Homans, Buitenzorg, near Batavia, Isle of Java, Netherlands East Indies, assignor to Stichting Nederlandsch-Indisch Instituut Voor Rubberonderzoek, Buitenzorg, near Batavia, Isle of Java, Netherlands East Indies

No Drawing. Application December 4, 1947, Serial No. 789,770. In the Netherlands December 19, 1946

5 Claims. (Cl. 195—2)

1. In the manufacture of purified rubber having a low water absorption, the process which comprises causing a natural white rubber latex, containing naturally-occurring enzymes and bacteria and from which a yellow rubber fraction has been previously removed, to ferment due to the action of said enzymes and bacteria at fermentation temperatures and under aerobic conditions for a period of from about 1 to 2 days and at a pH value of from about 6 to 9, whereby said enzymes and bacteria decompose and solubilize the proteins present in the latex, creaming the fermented latex by separating serum therefrom, whereby the solubilized proteins are eliminated, and recovering a purified latex from the cream.

2,575,664

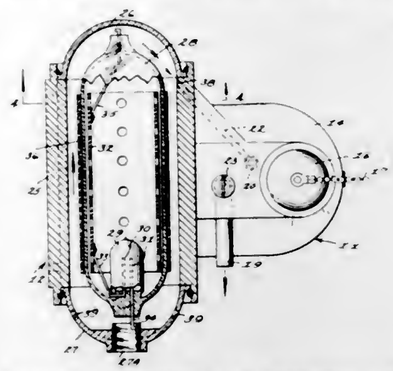
OZONE GENERATOR

Andrew C. James, Alexandria, La.

Application July 29, 1949, Serial No. 107,547

1 Claim. (Cl. 204—316)

An ozone generator comprising a closed cylindrical metallic housing having inlet and outlet ports adjacent opposite ends of said housing, a vacuum tube arranged longitudinally of and within said housing in spaced relation with respect to said housing, a hollow open ended perforated sleeve arranged longitudinally of and within said vacuum tube and spaced from the latter and fixedly supported in said latter, a perforated hollow open ended metallic shield surrounding and in bearing contact with said vacuum tube and spaced from said housing and secured to said vacuum tube, said shield being formed with a plurality of spaced longitudinally extending ribs interposed between and secured to



said shield and housing for supporting said vacuum tube in position within said housing and electrically connecting said shield and said housing, a sealed gas-filled tube positioned within said vacuum tube adjacent one end thereof and fixedly secured therein, a pair of spaced electrodes in said gas-filled tube, one of said electrodes being connected to said sleeve, and means for connecting the other of said electrodes to a source of electrical energy.

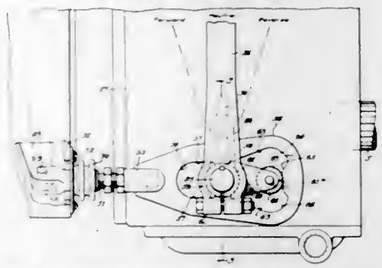
2,575,665

CLUTCH CONTROL FOR MARINE TRANSMISSION

Ano E. Kilpela, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application November 13, 1943, Serial No. 510,133

9 Claims. (Cl. 192—3.5)



1. In a power transmission having a power receiving shaft, a drive shaft, a friction clutch operatively connecting said shafts, said clutch having driving and driven members, springs for engaging the clutch members, a gear changing assembly connected to said drive shaft, a control lever for operating said gear changing assembly, a fulcrum rod secured to said control lever, a rocker arm secured to and movable with the fulcrum rod, the improvement which consists of a guide channel in the hub of said rocker arm, a plate reciprocably and rotatably supported in said guide channel, said plate being operatively connected to said clutch and urged in one direction by the clutch springs, and said plate having a cam opening embodying a cam rise and a recess at each side thereof, said rocker arm being adapted to be engaged with the cam rise to maintain the clutch in an inactive position in opposition to the clutch operating springs.

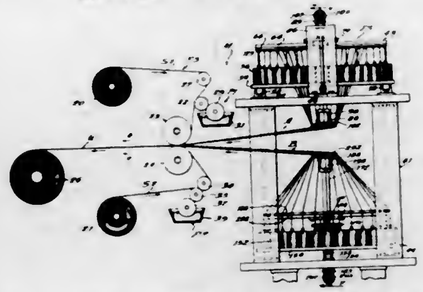
2,575,666

REINFORCED WEB AND METHOD AND APPARATUS FOR FORMING SAME

Warren A. Knudson, Chicago, Ill., assignor to Silvercote Products, Inc., Chicago, Ill., a corporation of Illinois

Application September 9, 1948, Serial No. 48,427

30 Claims. (Cl. 154—1.76)



29. In the art of making a reinforced web of the type which is formed by passing sheets of flexible material between opposed pressure rolls, the improvement which resides in applying adhesive material to one face of an elongated sheet of flexible material, feeding said sheet and another elongated sheet of flexible material longitudinally into the bite between such rolls with said one face of said one sheet disposed adjacent to a face of said other sheet, and feeding a plurality of elongated strands of flexible material, disposed in two groups, longitudinally into the said bite and between said sheets in a direction transverse to the length of the said bite while simultaneously rotating each of said groups of strands upon itself through an orbit having an axis of rotation disposed tranversely to the length of the said bite and with said orbits overlapping each other in a direction extending across said sheet.

2,575,667

PRESSURE RESISTING HEATING VESSEL

Karl Kristian Kobs Krøyer, Aarhus, Denmark

Application November 1, 1946, Serial No. 707,083

In Denmark January 29, 1946

1 Claim. (Cl. 220—61)



A pressure resisting heating vessel comprising a vessel body, a cover body, said vessel body and said cover body having edge portions forming complementary portions of a groove of substantially semi-circular cross section and having the joint between vessel and cover situated about mid-way of its height so as to subdivide the wall thereof into upper and lower wall portions each having a cross sectional shape substantially forming a quarter of a circle, a removable sealing ring in said groove, said sealing ring having sufficient height to be compressed between upper and lower wall portions of said groove to thereby provide provisional sealing when said cover body rests freely on said vessel body and there is no pressure in the vessel, said groove also having outer wall portions against which said sealing ring may be pressed under the influence of a pressure in the vessel, an annular groove in one of said bodies, a locking ring of variable diameter accommodated in said groove and adapted at one diameter to be entirely in said groove and at another diameter to extend partly therefrom, means for varying the diameter of said locking ring, and a shoulder surface on the other of said bodies engageable by said locking ring when in said other diameter position and having a free space behind it to allow for axial play of said locking ring behind said shoulder surface.

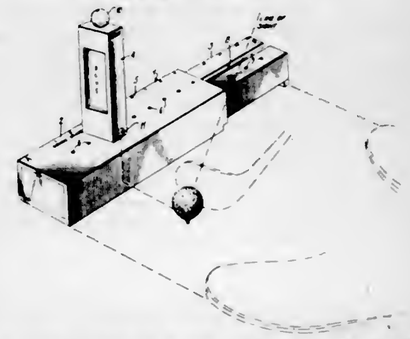
2,575,668

INDICATING DEVICE FOR IMPROVING SKILL IN GOLF

Samuel N. Lemoyne, Ventnor, N. J.

Application May 25, 1949, Serial No. 95,258

5 Claims. (Cl. 273—35)



5. Golf practice apparatus comprising a base consisting of tubular sections, one slidably fitting within the other, said sections being extensibly adjustable to a length equal to the width of the stance of the player using the practice apparatus, a series of spaced holes extending longitudinally of both said sections, that part of the series which is on one section being laterally offset with respect to that part which is on the other section, the inner section having a longitudinal slot aligned with the part of said series of holes on the outer section, into which slot the holes of the outer section open when said sections are telescoped, and an indicator provided with a spur, selectively insertable in one of said holes, said indicator having a front face and lateral faces, the latter having portions symmetrical with respect to the medial vertical plane of said indicator which intersects the front face, visually obstructed with respect to a line of sight coinciding with said medial plane, but either one or the other of said portions being visible with respect to a line of sight oblique to said medial plane.

2,575,669

PROCESS FOR THE PRODUCTION OF GLAZING STRIPS

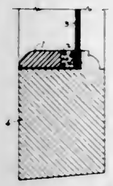
Charles Geoffrey Lyon, Winnipeg, Manitoba, Canada

Application August 25, 1949, Serial No. 112,241

3 Claims. (Cl. 154—132)

1. A process for the production of sponge rubber and wood glazing strips which consists of first

adhering a group of relatively long and narrow parallel wood strips to the face of a sheet of sponge rubber to form a composite sheet of sponge rubber with many relatively long and narrow wood backing strips in a parallel compact group

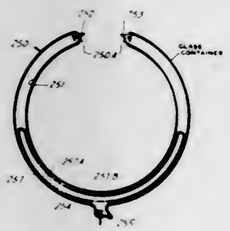


adhered to the face of the sponge rubber and then cutting individual sponge rubber and wood glazing strips therefrom by using the cracks between the wood strips to guide the blade cutting the sheet of sponge.

2,575,670
PRESERVATION OF MILK BY THE USE OF WATER SOLUBLE CHLORITES
James Douglas MacMahon, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application October 23, 1946, Serial No. 705,252
6 Claims. (Cl. 99—151)

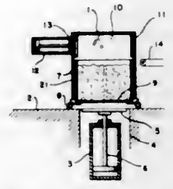
1. A method of preserving milk which includes the adding to the milk of a small amount, effective to retard bacterial growth, of a water soluble chlorite of a non-toxic cation.

2,575,671
HEARING AID APPARATUS
Harold J. McCreary, Lombard, Ill.
Original application March 2, 1948, Serial No. 12,561, now Patent No. 2,554,113, dated May 22, 1951. Divided and this application September 22, 1950, Serial No. 186,184
4 Claims. (Cl. 201—57)



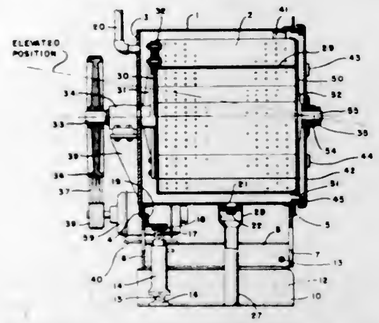
1. In a potentiometer for hearing aid apparatus and the like, an elongated hollow glass tube of substantially uniform cross section, electrical contacts disposed in said tube at spaced points, a liquid within said tube having a predetermined electrical resistance, an elongated member including an insulated part made of a ferrous metal and of less length than said tube and disposed within said tube for adjusting movement along said tube to different positions to change the effective electrical resistance afforded by said liquid between said contacts, and a magnet element mounted for movement along the outside of said tube and effective magnetically on said member to adjustably position the same in said tube.

2,575,672
METHOD OF DRYING LAUNDRY
Abe Miller, Detroit, Mich.
Application March 1, 1946, Serial No. 651,205
5 Claims. (Cl. 68—241)



1. In the method of semi-drying wet laundry, the steps comprising, placing wet articles of laundry in a container in separate compartments formed by divisional partitions, removing the partitions while allowing the articles of laundry to remain in the container, and forcing the laundry out of the container and into a compressed state without substantial disturbance of the line of demarcation formed by the partitions which separated the articles of laundry and allowing the compressed bale of semi-dry laundry to separate readily into units as determined by the pattern of the partitions.

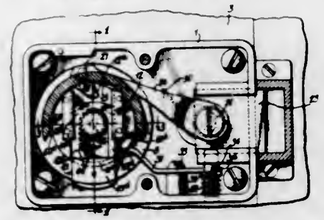
2,575,673
WASHING MACHINE OF THE CYLINDRICAL CONTAINER, END DISCHARGE TYPE
Herman Miller, Detroit, Mich.
Application October 10, 1946, Serial No. 702,537
4 Claims. (Cl. 68—210)



1. A washing machine comprising a horizontally disposed cylindrical tank having an open end, a perforated container rotatable within the cylindrical tank and having an open end the diameter of which is substantially equal to the diameter of the perforated container, means for rotating the perforated container, a support upon which the cylindrical tank rests, a hinge for joining the open end portion of the cylindrical tank to the support, means for elevating the cylindrical tank at the end opposite to its open end, a door adaptable for closing the open end of the cylindrical tank and the rotatable container, said door comprising separate walls for engagement with the cylindrical tank and the rotatable container, one of the walls of said door being positionable in stationary relationship with the cylindrical tank and the other wall being rotatable with the perforated container, and sealing means positioned between the outer marginal portion of said door and the edges of the

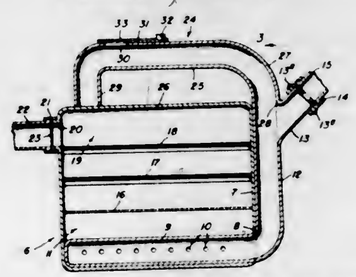
open end of said cylindrical tank, whereby when the cylinder is rotated, the doors open, and the closed end of the cylindrical tank elevated, the laundry within the perforated container progressively and unrestrictedly moves out of the perforated container and is discharged from the washing machine.

2,575,674
PERMUTATION LOCK
Harry C. Miller, Fairfax, Va.
Application March 26, 1949, Serial No. 83,548
13 Claims. (Cl. 70—129)



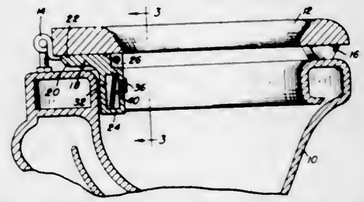
1. A combination lock comprising selectively adjustable tumblers each having a peripheral recess, a bolt, a spindle having fixed thereto a driver wheel for adjusting said tumblers, a lever pivotally connected to said bolt, said lever having a laterally extending fence adapted to lie transversely across the faces of the peripheries of said tumblers and said lever also having a portion adapted to lie over and engage the periphery of said driver wheel, said driver wheel having a peripheral recess adapted to receive said portion of said lever to permit said fence to engage said tumbler recesses when the latter are adjusted to register with said fence for moving said bolt and interlock means normally preventing said fence from engaging said tumbler recesses during adjustment of the latter having actuating means selectively operative following adjustment of said tumbler recesses into registry for rendering said interlock means inoperative to prevent interengagement of said fence and tumbler recesses.

2,575,675
FOAM MAKER FOR CLEANERS
Marcil G. Morgan, Nashville, Tenn.
Application December 21, 1948, Serial No. 66,548
2 Claims. (Cl. 261—63)



1. A foam maker for home use comprising a portable container for a liquid rug cleaning preparation, said container embodying, top, bottom, side and end walls, all of said walls being flat and substantially free of external projections, one end wall being provided, adjacent said bottom wall, with an opening, the other end wall being provided with foam discharging means, baffle means mounted in said container, a one-piece substantially U-shaped pipe embodying a perforated lower branch projecting horizontally through said opening and wholly into the container, a horizontal top branch exteriorly overlying the top wall of the container and spaced therefrom and having a downturned terminal portion connected to and closed by said top wall, said horizontal branch constituting a carrying handle, and an intermediate vertical branch outwardly of and paralleling and contacting the adjacent end wall, said vertical branch having an outwardly projecting complemental neck, the latter serving as a liquid filler neck on the one hand and an air hose attaching neck on the other hand, said top branch being provided with an air relief port, and manually regulable valve means mounted on said top branch for opening and closing said port.

2,575,676
TOILET BOWL DEODORANT DISPENSER
Earl S. Neal, San Mateo, Calif.
Application December 6, 1948, Serial No. 63,646
2 Claims. (Cl. 4—229)

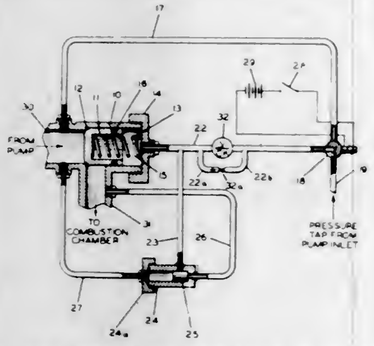


1. An attachment adapted to be secured to a toilet which includes a seat on a bowl, said attachment comprising a housing having a substantially L-shaped configuration, one leg of said housing being disposed horizontally between the seat and the bowl and having a groove therein for accommodation of a cementitious product to attach the housing to the bottom surface of the seat, a second leg of said housing extending downwardly into the bowl, a reservoir to contain deodorant in said second leg, a filler plug for said reservoir disposed in the outer side of said second leg, means disposed in said reservoir for conducting fluid therefrom by capillary action, said liquid conducting means comprising a wick having both ends disposed within said reservoir and having an exposed intermediate portion remote from said reservoir.

2,575,677
PUMP DISCHARGE VALVE
Edward A. Neu, Jr., Rockaway, N. J., assignor to Reaction Motors, Inc., Rockaway, N. J., a corporation of New Jersey
Application November 3, 1950, Serial No. 193,767
4 Claims. (Cl. 103—40)

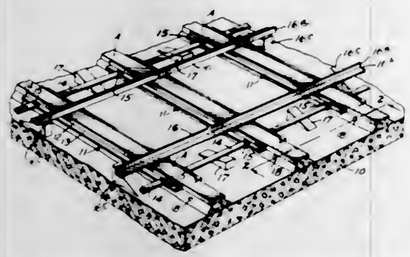
1. A propellant supply system for a reaction motor comprising a supply reservoir for each propellant, a pump for each propellant, means for connecting each reservoir to the inlet of its respective pump, means for operating said pumps, conduit means between the outlet of each pump and a reaction motor, a normally closed spring-loaded main piston valve in each such conduit between the pump outlets and the reaction motor, said main piston valve having a dome space at that end of the piston which is opposite to the inlet of the valve, a two-position selector valve

connected by a conduit to said dome space, a conduit connecting said selector valve to the inlet of its associated pump, means for operating said selector valve to allow fluid pressure communication between said dome space and the inlet of the associated pump during starting and operation of the reaction motor, a conduit connecting said selector valve to the inlet of the said main piston



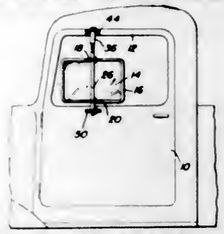
valve, and means for operating said selector valve to allow fluid pressure communication between said dome space and the inlet of the main piston valve to equalize the fluid pressures on the poppet of said valve thereby allowing the said spring loaded main piston valve to close to shut off the flow of that propellant to the reaction motor.

2,575,678
METHOD AND APPARATUS FOR FORMING SLEEPERS IN BUILDING CONSTRUCTION
Clarence Le Roy Olson, San Francisco, Calif.
Application January 10, 1950, Serial No. 137,713
3 Claims. (Cl. 25—118)



3. In apparatus for forming moldable cementitious flooring sleepers on a supporting slab, comprising an elongated collapsible frame, a leveling bar of a length sufficient for transversely overlying a plurality of said frames in parallel side-by-side alignment, means to support said leveling bar in spaced relation from the supporting slab, said frame having a pair of parallelly spaced elongated angle-iron bars, each of which has a vertical flange at the outward side of the frame and a horizontal flange perpendicular thereto, the horizontal flanges being turned inwardly and being confrontingly relatively opposed, said frame including straps pivotally connected transversely of the frame between said horizontal flanges; and means for raising the frame from the supporting slab into contact with the leveling bar comprising elongated triangular wedges adapted for entering between the supporting slab and the straps of the frame.

2,575,679
VENTILATOR
Cecil B. Parkhurst, Grayville, Ill.
Application September 8, 1949, Serial No. 114,549
2 Claims. (Cl. 296—84)



1. A ventilator for a vehicle door comprising a transparent panel with an upper and a lower bracket secured thereto, a rail having said brackets slidably disposed thereon and means at each end of said rail for mounting said rail on the vehicle door over the window opening, said means including an upper and a lower hanger, the upper hanger comprising an upper anchor member and a downwardly curved coupling, the upper anchor member being adapted to be fastened to the door at one end thereof and having a tongue at its other end, the coupling member having a groove at one end receiving said tongue therein and means fastening said tongue in said groove, the coupling member being attached at its other end to said rail, the lower hanger consisting of a member with a tongue, a clamp releasably fastened to said rail having a groove with the last mentioned tongue releasably fastened therein, both of said hangers having flat plates to engage the door of the vehicle, and said plates having apertures to accommodate screws to hold the hangers fixed on the vehicle door.

2,575,680
LIVE LINE DETECTOR
Herbert Stanley Petch, Edgware, England, assignor to Elliott Brothers (London) Limited, London, England, a company of Great Britain
Application February 27, 1948, Serial No. 11,684
In Great Britain August 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 1, 1965
15 Claims. (Cl. 175—183)



1. Indicating means for the purpose described comprising a chamber having at least a shallow portion, two visibly distinguishable immiscible non-conducting fluids of differing specific inductive capacities, within said chamber and a pair of electrodes disposed opposite to each other at the shallow portion of the chamber with the fluids therebetween and in the vicinity of the surface between the two fluids.

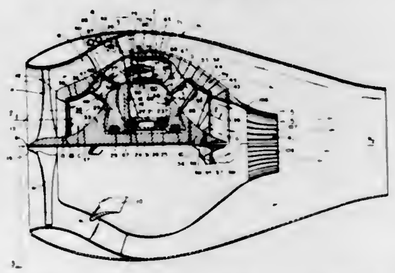
2,575,681
CRUTCH
Jerry M. Peters, Walker, Mo.
Application March 23, 1948, Serial No. 16,459
4 Claims. (Cl. 135—49)

1. A crutch comprising a straight tubular lower section and a tubular upper section inclined laterally inwardly from the upper part of said lower section, a U-shaped forearm rest projecting laterally outwardly from the upper part of said upper section, a hand grip projecting laterally outwardly from the upper part of said lower section, joint means at the laterally inward side of said crutch comprising an ear projecting from the upper part of said lower section, a lug projecting laterally from the lower part of said upper section having a portion depending below the lower end of said upper section alongside of said ear, fixed pivot means pivotally connecting said sec-



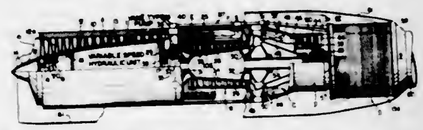
tions together whereby in an erect position of said upper section the lower end thereof rests upon the upper end of said lower section, and whereby said upper section can be swung downwardly and laterally inwardly from said erect position to a dependent position alongside of said lower section, and clamping means effectively associated with said ear and said lug whereby said upper section can be locked in erect position or in its dependent position.

2,575,682
REACTION PROPULSION AIRCRAFT POWER PLANT HAVING INDEPENDENTLY ROTATING COMPRESSOR AND TURBINE BLADING STAGES
Nathan C. Price, Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application February 14, 1944, Serial No. 522,343
6 Claims. (Cl. 60—35.6)



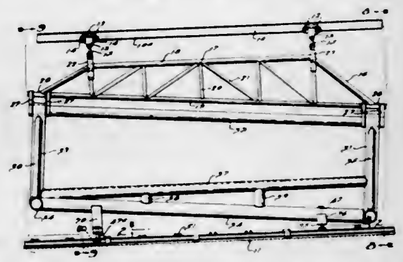
1. In a gas reaction propulsive unit, apparatus comprising in combination, a housing having a forward opening for the entrance of air and a rearward opening for discharging gases at high velocity, a turbo-compressor in said housing in communication with said forward opening and having a plurality of immediately adjacent independently counter-rotatable impeller blades, a gas turbine in said housing having a plurality of independently immediately adjacent counter-rotatable rows of impeller blades, a combustion chamber in the housing between said pluralities of adjacent blades, a plurality of concentric drive shafts coupling said rows of turbine impeller blades with said rows of compressor impeller blades, and cantilever support means between said pluralities of adjacent blades and in approximately the same radial plane as the combustion chamber for supporting said shafts in the housing, and means to discharge gases exhausted from said turbine in a propulsive jet through said rearward opening.

2,575,683
INTERCOOLER AND CONTROL SYSTEM FOR TURBO POWER PLANTS
Nathan C. Price, Los Angeles, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application January 13, 1947, Serial No. 721,782
11 Claims. (Cl. 60—35.6)



3. In an aircraft power plant, a multi-stage air compressor, an intercooler arranged in the path of the air flowing between the stages of the compressor, a radiator, a conduit system for circulating a cooling medium through said intercooler and radiator, said system having a by-pass for by-passing said medium around the radiator, valve means for the by-pass for regulating the flow of said medium through said radiator, and means sensitive to the temperature of the compressed air at the downstream side of the intercooler for controlling said valve means.

2,575,684
TROLLEY CONVEYER DRIVE
Andrew G. Rose, Detroit, Mich., assignor to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan
Application October 11, 1944, Serial No. 558,167
4 Claims. (Cl. 198—129)



3. A conveyor system for transporting rigid loads having large longitudinal and vertical dimensions comprising an elevated conveyor track having straight and curved sections, a pair of longitudinally separated trolleys connected at fixed points to opposite ends of each of said loads for suspending said load from said track, the vertical plane of said trolleys and load forming a chord relationship with a curved portion of said track in passing therearound, said load extending downwardly to a position adjacent floor level, a propelling chain at floor level following a corresponding path below said track,

a drive connection between said load and said chain directly below one of said trolleys, a housing track for said chain constructed also as a guide for said driving connection to impart lateral stability to said load, and a guide connection between said load and chain track directly below the other of said supporting trolleys extending within the guide portion of said chain track but having no connection with said drive chain.

2,575,685

ADJUSTABLE LENGTH PIPE COUPLING

Ralph Leroy Shugart, Warren, and Alfred H. Stromeier, Youngstown, Ohio

Application December 18, 1947, Serial No. 792,514
1 Claim. (Cl. 285—199)



An adjustable length pipe coupling comprising in combination a tubular member having conventional internal tapered pipe threads at one end and having conventional machine threads of uniform diameter adjacent its opposite end portion, said tubular member being of enlarged internal diameter intermediate said pipe threads and said machine threads, said opposite end portion having a larger internal diameter than the internal diameter of the machine-threaded portion to provide an annular recess, a compressible sealing ring in said recess, a second tubular member externally machine-threaded at one end for engagement with the internally machine-threaded portion of said first mentioned tubular member and externally pipe-threaded at its opposite end, said machine threads and said pipe threads having substantially the same pitch, and a packing gland nut threaded on the machine-threaded portion of said second tubular member and adapted to enter said recess to compress the sealing ring therein.

2,575,686

HEAT- AND FLAME-RESISTANT RESINOUS REFRACTORIES

Eli Simon, Los Angeles, and Frank W. Thomas, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

No Drawing. Application February 24, 1948, Serial No. 10,574
15 Claims. (Cl. 260—30.6)

1. A heat and flame resistant material adapted for application by brushing or troweling comprising on an approximate weight percentage basis from 5 to 20% vinyl chloride-vinyl acetate co-polymer resin, from 1 to 10% phosphate ester serving as a plasticizer for the resin, from 11.36 to 15% glass fibers from 1/64 to 3/8 inch in length, from 14.26 to 25% of a powdered refractory material, and a sufficient quantity of a volatile carrier to give the mixture a putty-like consistency.

2,575,687

HEAT, FLAME, AND FIRE RESISTANT SEALANTS

Eli Simon, Los Angeles, and Frank W. Thomas, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

No Drawing. Application November 19, 1948, Serial No. 61,145
11 Claims. (Cl. 260—30.4)

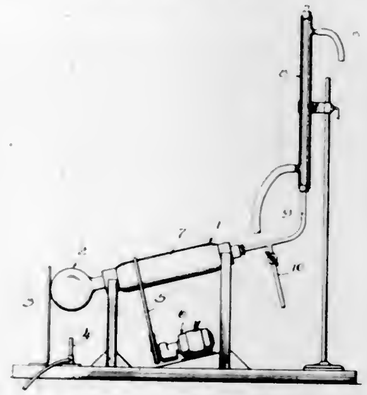
1. A heat, flame and fire resistant sealant comprising on an approximate percentage by weight basis, 32 percent polymeric methyl aryl siloxane, 8 percent polymeric monomethyl silsesquioxane, 40 percent refractory silicate filler, and 20 percent cyclopentane.

2,575,688

FRACTIONATION COLUMN

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application April 27, 1946, Serial No. 665,494
10 Claims. (Cl. 261—83)



9. In distilling apparatus, the combination of a rotatable and upwardly inclined fractionating column comprising an elongated casing with a packing secured therein and rotatable therewith, means for supporting said column in its inclined position for rotation about its longitudinal axis, a rotatable receptacle connected to and carried by the lower portion of said column for receiving the liquid to be treated, said receptacle being closed except for an opening in communication with said packing, means for heating said receptacle, and means for rotating the receptacle and column about the longitudinal axis to distribute the liquid in said column and for uniformly heating the liquid in said receptacle.

2,575,689

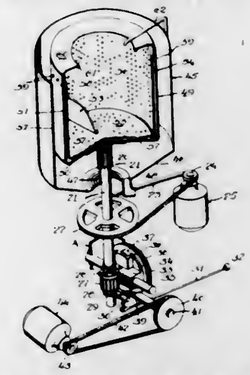
CLOTHES-WASHING MACHINE

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application January 21, 1947, Serial No. 723,340
4 Claims. (Cl. 68—23)

1. In a clothes washing and drying machine, a stationary outer tub, an inner tub mounted for oscillation and rotation within the outer tub and

provided with a single upstanding vane projecting radially inward from the side wall of the inner tub, and a perforated receptacle including a bottom wall detachably carried within and con-



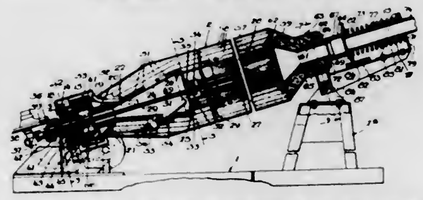
forming to the interior of the inner tub, said receptacle having a slot in said bottom wall for receiving and through which the vane projects when the receptacle is assembled in the inner tub.

2,575,690

CONTINUOUS FLOW, ROTARY, AND INCLINED FRACTIONATING UNIT

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application February 5, 1948, Serial No. 6,456
5 Claims. (Cl. 202—153)



1. A fractionating unit comprising an inclined fractionating column, a spirally wound screen packing in said column, a heating chamber in the unit adjacent the lower end thereof, an inlet tube for supplying feed liquid to the column, said tube projecting upwardly through the heating chamber and the lower end of the column and discharging onto the screen, means for continuously rotating said column so as to continuously agitate the liquid being treated and cause it to wet the screen, an outlet at the upper end of the unit for the removal of product vapors, and an outlet at the lower end of the unit for removing liquid residue.

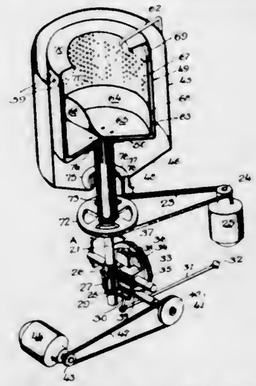
2,575,691

CLOTHES-WASHING MACHINE

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Original application January 21, 1947, Serial No. 723,340. Divided and this application December 9, 1950, Serial No. 199,951
2 Claims. (Cl. 68—23)

1. A clothes washing machine and centrifugal drier comprising an outer stationary tub, an inner tub rotatably mounted within the outer tub, an oscillatory cup-shaped agitator mounted in the inner tub and provided with a flat base disposed adjacent the bottom of the inner tub and an imperforate peripheral wall disposed adjacent and conforming to the interior of the side wall of the inner tub, a perforated liner conforming to but disposed in closely adjacent relation with the interior of the side wall of the inner tub and



disposed immediately above the peripheral wall of the agitator, means for oscillating the agitator within the inner tub while maintaining the inner tub and perforated liner stationary, and means for rapidly rotating the inner tub, liner and agitator for centrifugally extracting the wash water and drying the clothes.

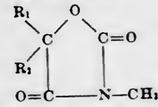
2,575,692

N-METHYL OXAZOLIDINE-2,4-DIONES

Marvin A. Spielman, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application October 11, 1947, Serial No. 779,424
6 Claims. (Cl. 260—307)

1. A 3-methyloxazolidine-2,4-dione represented by the following formula



where R_1 represents a member selected from the group consisting of hydrogen and lower alkyl groups containing one to three carbon atoms inclusive, and R_2 represents a lower alkyl group containing one to three carbon atoms inclusive.

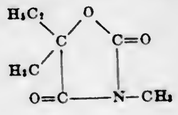
2,575,693

3,5-DIMETHYL-5-ETHYLOXAZOLIDINE-2,4-DIONE

Marvin A. Spielman, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application March 2, 1949, Serial No. 79,294
1 Claim. (Cl. 260—307)

The compound 3,5-dimethyl-5-ethyloxazolidine-2,4-dione represented by the following formula:



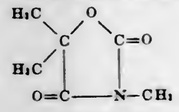
2,575,694

3,5,5-TRIMETHYLOXAZOLIDINE-2,4-DIONE

Marvin A. Spielman, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application March 2, 1949, Serial No. 79,295
1 Claim. (Cl. 260—307)

The compound 3,5,5-trimethyloxalidine-2,4-dione represented by the following formula:

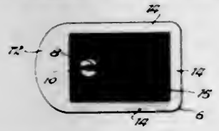


2,575,695

BASE PLATE FOR CUTTING MACHINES

Lester J. Ulrich, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.

Application September 7, 1949, Serial No. 114,355
5 Claims. (Cl. 30—273)



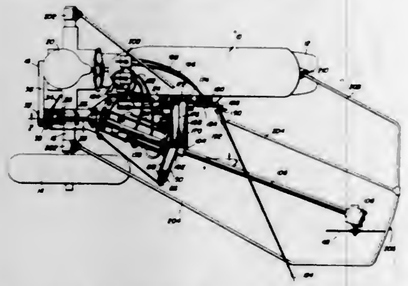
1. A base plate for a cutting machine formed to move on a supporting surface and to extend under a lay of material to be cut and from which a narrow standard rises which supports the operating parts of the machine, said base plate having downwardly and outwardly inclined edge portions and a middle portion which contact with and move relatively to the material being cut, said middle portion of the base plate being provided on the upper face thereof with shallow wide-angled recesses which are spaced apart to form between them substantially flat surfaces of reduced areas on said upper face which contact with the material.

2,575,696

TIMBER-MOWING SAW ATTACHMENT FOR FARM TRACTORS

Roy C. Way, Tennessee, Ill.

Application August 3, 1948, Serial No. 42,254
12 Claims. (Cl. 143—43)



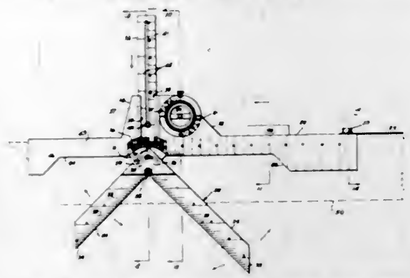
2. A saw attachment for a farm tractor having a power take-off, said attachment comprising a ring-shaped carrier mounted on such a tractor to rotate about an axis which lies alongside of the tractor, a cross head mounted in said carrier to move diametrically thereof, a drive shaft mounted in said cross head to rotate about its longitudinal axis and to move with said cross head, a saw mounted adjacent one end of the drive shaft to move in unison therewith, a driving connection between the drive shaft and the saw and a driving connection between the power take-off and the drive shaft.

2,575,697

COMBINATION MEASURING INSTRUMENT FOR LAYOUT WORK

Marvin W. Willis, Tahlequah, Okla.

Application February 24, 1950, Serial No. 145,996
3 Claims. (Cl. 33—97)



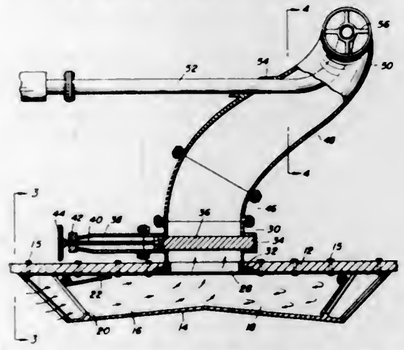
1. In a rafter layout unit, a plate cut assembly comprising a base adapted to be supported on the upper side of the rafter at a select point therealong, means carried by said base and engaging said rafter for detachably securing said base in said select position, a slider plate disposed transversely of said base contiguous to one side thereof and mounted on the latter for transverse reciprocatory movement, a square member including a pair of arms extending at right angles with respect to each other adapted to overlie and confront a side face of said rafter and mounted at the joined ends of said arms on the adjacent end of said slider plate for rotary movement with respect to said slider plate, and means carried by said square member and engaging said sliding plate for detachably securing said square member in a select position of its rotary movement with respect to said slider plate.

2,575,698

VACUUM EXHAUST

John H. Wilson, Bay Shore, N. Y.

Application March 19, 1948, Serial No. 15,891
3 Claims. (Cl. 115—0.5)



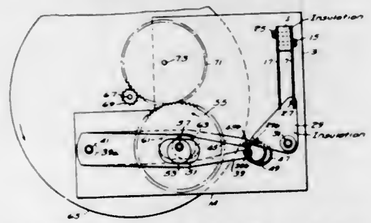
1. In combination with the hull of a boat and an exhaust pipe from the engine of said boat, a device for enhancing the flow of exhaust gases through said exhaust pipe comprising a housing with means for attaching said housing to the exterior of said hull, said housing having openings at the front and rear ends thereof, a first valve carried by said housing and controlling one of said openings and a second valve carried by said housing and controlling the other of said openings, a conduit attached in communication with said housing intermediate the ends thereof to conduct liquid from said housing, said exhaust pipe extending into and located concentrically within a portion of said conduit and having its open end arranged to deliver engine exhaust gases in the same direction as the direction of flow of fluid through said conduit so that the passage of fluid through said conduit assists in discharging exhaust gases from said exhaust pipe.

2,575,699

ELECTRICAL CONTACTOR

Paul G. Adams, East Orange, and Max W. Axman, Stirling, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 22, 1947, Serial No. 723,536
1 Claim. (Cl. 200—67)



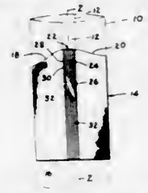
In a device suitable for actuation by an electrical meter to generate electrical impulses having a rate of generation dependent on the rate of rotation of the meter armature, a first member, a second member, supporting means mounting said members for independent rotation between predetermined limits, a first element, a first spring extending between the first member and the first element, said spring engaging said first member at a first point displaced from the axis of rotation of the first member and biasing said point in a direction having a component urging the point towards said axis, a second element, a second spring extending between the second member and the second element, said second spring engaging the second member at a second point displaced from the axis of rotation of the second member and biasing said second point in a direction having a component urging the point towards the axis of rotation of the second member, means mounting the elements for independent movement in predetermined paths relative to the associated members for carrying the line of action of each spring across the axis of rotation of the associated one of said members in order to operate the members between said predetermined limits with snap actions, an operating unit, means mounting the operating unit for rotation relative to the supporting means, a separate cam mounted on said unit for cyclically actuating each of said elements through said predetermined paths, said cams being angularly disposed relative to the axis of rotation of the operating unit for successively operating said members with snap action at equally spaced intervals of each revolution of the operating unit, whereby the resultant load of said members on the operating unit is substantially uniformly distributed over a revolution of the operating unit.

2,575,700

WEARING APPAREL AND METHOD OF MAKING THE SAME

William W. Artzt, New Rochelle, N. Y.

Application July 22, 1950, Serial No. 175,325
13 Claims. (Cl. 66—176)



1. A garment formed of flexible material comprising a body having front and back sections, neck and arm openings and shoulder portions integral with said front and back sections between said neck and arm openings, said body being formed with zones more yieldable laterally than the remainder of said body extending along the opposite sides of said body from said arm openings to the bottom edge of said body and along said shoulder portions from said arm openings to said neck opening, said zones extending along said shoulder portions being gathered at said neck opening.

2,575,701

NETHER UNDERGARMENT FOR MEN

William W. Artzt, New Rochelle, N. Y.

Application July 25, 1950, Serial No. 175,759
13 Claims. (Cl. 2—224)

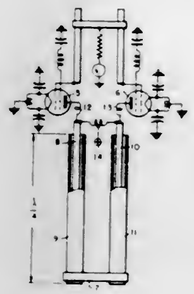


1. A garment of the class described formed of a knitted fabric and comprising a body having a back portion and a front portion, said front portion including two parts overlapping at the center thereof, the outer one of said parts being stretched laterally at the lower end thereof to further overlie the inner one of said parts, and means securing together the overlapping inner part and outer part at said laterally stretched lower end of the latter and at a location spaced substantially upwardly therefrom to define a fly-opening between said securing means having the overlapping edge of said outer part disposed at an angle relative to the vertical axis of the garment and longitudinally tensioned to resist gaping of said fly-opening.

10. The method of forming the body portion of an undergarment of the class described having multiple layers of fabric at the abdominal area; comprising circularly knitting a tube of fabric with a circumference greater than the desired circumference of the finished body portion, severing the tube along transverse spaced lines to provide a top edge for defining a trunk opening and a bottom edge for defining a crotch forming flap at the middle and leg openings at the sides of said flap, severing the tube along a longitudinal line diametrically opposed to the flap and opening the tube to provide a flat blank, folding the outer ends of said blank to provide double thicknesses of knit fabric, folding the doubled portions inwardly to overlie the central section of the blank and with the fold lines of said doubled portions overlapped to provide a front side having a fly

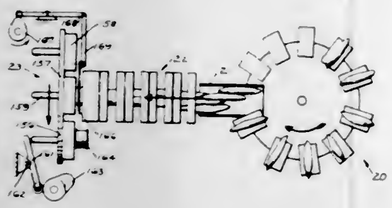
opening at the center, and securing the free end of the flap to the bottom edge of said front side at the center thereof to provide a crotch.

2,575,702
VACUUM TUBE OSCILLATOR
Robert M. Baker, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1949, Serial No. 99,411
8 Claims. (Cl. 250—36)



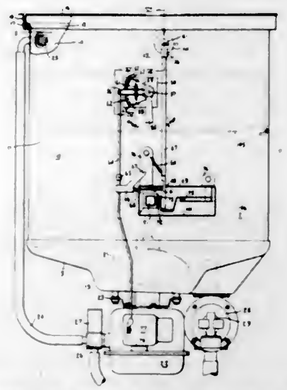
1. In combination: a radio-frequency oscillator circuit employing a plurality of thermionic tubes, a transmission line comprising a plurality of conductors connected to corresponding electrodes of said tubes, and a capacitive reactance comprising a sheath and core of conductive material connected in each conductor of said line and being adjustable to such a value as to substantially neutralize the inductance of said line at the frequency of said oscillator.

2,575,703
METHOD FOR PACKING FOOD PRODUCTS
Eben H. Carruthers, Warrenton, Oreg.
Application August 8, 1946, Serial No. 689,146
8 Claims. (Cl. 99—171)



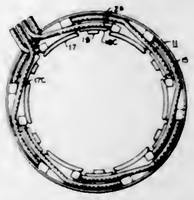
1. A method of packing food components which are of variable size and weight and which are of a flabby moldable character which includes the steps of feeding the components to a molding station with the spacing of the components being variable but at an approximately constant weight rate per unit of time, and compacting and compressing the components to mold the components into an elongated substantially cylindrical mass of substantially uniform cross section.

2,575,704
AUTOMATICALLY CONTROLLED WASHING APPARATUS
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 18, 1946, Serial No. 704,061
8 Claims. (Cl. 134—58)



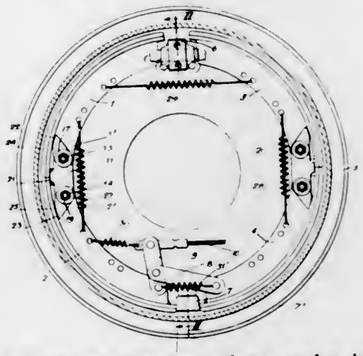
1. In washing apparatus, the combination of a vat for containing a body of washing fluid and the material to be washed, said vat having an access opening therein, a door for closing said opening, means for admitting washing fluid to the vat, means for draining vitiated fluid from the vat, means for washing the material in the vat, a timer for selectively operating said fluid-admitting means, said fluid-draining means and the washing means to provide a sequence of steps in a washing program, means for latching said door in response to movement thereof to closed position, means for releasing the latching means at the conclusion of the washing program and actuated by said timer, means including a handle movable to respective starting and stopping positions for initiating and terminating operation of the timer and means responsive to movement of the handle to its stopping position for releasing the latching means independently of said timer operated releasing means.

2,575,705
DYNAMOELECTRIC MACHINE
John W. Clokey, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1950, Serial No. 183,761
4 Claims. (Cl. 171—252)



1. A dynamo-electric machine having a salient-pole stator-member, and a rotor-member therewithin, said stator-member being characterized by having a substantially rigid frame having an axially extending opening therein, and a pole-assembly removably secured within said opening, said pole-assembly comprising a relatively thin flexible magnetizable mounting-plate, salient pole-pieces secured to said mounting-plate, coils carried by said pole-pieces, and around-the-frame winding-connections for said coils, said mounting-plate fitting within said opening in the frame.

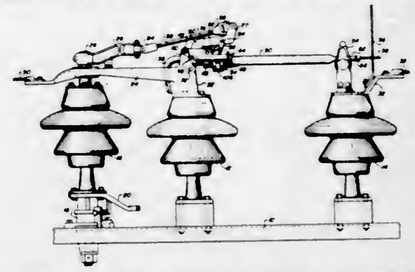
2,575,706
VEHICLE BRAKE
Pierre Farkas, Boulogne-sur-Seine, France
Application August 4, 1947, Serial No. 766,018
In France April 15, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 15, 1966
16 Claims. (Cl. 188—78)



1. A brake comprising a drum and a backing plate in relative rotatable relation, a pair of brake shoes anchored within said drum by said backing plate and including friction lining supporting rims having inwardly extending webs, adjustable means pivotally connected to one end of each of said brake shoes and expansible means connecting the other ends of said shoes, a fixed abutment between said latter ends and contacted thereby, said shoes being divided into a plurality of segments of substantially equal lengths, links pivotally connected to the adjacent ends of the webs of said segments to permit articulation of said segments, springs extending between the adjacent ends of said shoes and of said segments to retract said shoes from the drum, outward extensions on the ends of said links in close proximity to and for abutment with the shoe rims to limit retraction of said segments, and an outwardly extending lug centrally of each of said links in close proximity to and for abutment with the adjacent ends of the segments of said rims to limit expansion of said segments.

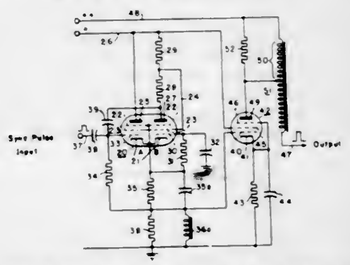
2,575,707
HIGH-VOLTAGE SWITCH ASSEMBLY
William H. Gilliland and Fitzhugh H. Turnham, Birmingham, Ala., assignors to USCO Power Equipment Corp., Birmingham, Ala., a corporation of Alabama
Application January 9, 1950, Serial No. 137,618
18 Claims. (Cl. 200—48)

1. In an electric switch having a blade adapted to be twisted about its longitudinal axis and mounted on a pivoted support for movement therewith into and out of circuit closing position between a pair of opposed contacts spaced from said support; a motion transmitting arm mounted for rocking movement about a pivot axis in spaced parallel relation to the pivotal axis of said blade support, a first link mounted at one of its ends for swinging movement about a pivot supported in fixed relation to said blade and having a pivotal connection at its other end with said arm, a second link pivotally connected at one end with said arm, and means connecting said second link at its other end, in spaced relation from the fixed pivot of said first link, to said blade to impart an axial twisting movement



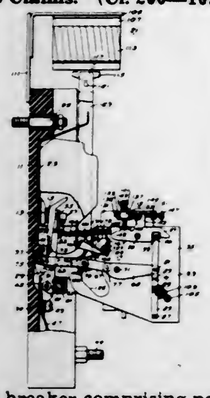
to said blade in relative angular movement of said arm and links during initial rocking movement of said arm, when the blade is in closed position, to free said blade from frictional engagement with the contacts, and said first link thereafter controlling the swinging movement of the switch blade in the continued movement of said rocker arm.

2,575,708
PULSE GENERATOR
Harvey L. Glick, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1948, Serial No. 52,045
12 Claims. (Cl. 250—27)



1. A blocking impulse generator comprising a first electronic discharge device comprising a first cathode, a first anode, a first control electrode, and a second electronic discharge device comprising a second cathode, a second anode, and a second control electrode, a source of potential positive with respect to ground connected with said first anode and with said second anode in parallel, an impedance connected intermediate said source of potential and said second anode, a common output impedance for said first and second electronic discharge devices connected between said cathodes and ground, means for connecting said first control electrode with said output impedance to establish an anode current cut-off bias for said first electronic discharge device, means for coupling said second anode with said first control electrode, means connecting said second control electrode with said cathodes comprising a resistor, means for coupling said second control electrode with ground comprising a charging condenser for delaying transfer of variations of cathode potential to said second control electrode, and means for deriving voltage impulses from said output impedance.

2,575,709
CIRCUIT BREAKER
George G. Grissinger and Bernard G. Tremblay, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1946, Serial No. 706,736
15 Claims. (Cl. 200—109)



1. A circuit breaker comprising power operated means for closing the breaker, said power operated means causing a shock at the end of the closing operation, tripping means including a latch operable to effect automatic opening of the breaker, and means engaged and actuated by said closing means prior to the end of said closing operation to a position to block tripping operation of said latch during the terminal movement of said closing means.

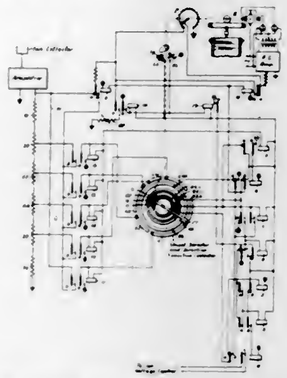
2,575,710
APPARATUS FOR MEASURING ROTOR BLADE VIBRATION
George W. Hardigg, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 9, 1949, Serial No. 132,157
6 Claims. (Cl. 73—70)



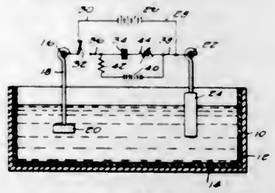
1. Test apparatus for determining magnitude and frequency of vibration induced in a blade mounted on the rotor of a turbine or compressor, comprising a magnet element carried on the tip of said blade, an annular coil mounted in close concentric encompassing relation with respect to the rotor carrying said blade, the windings of said coil being disposed parallel to and substantially in the plane of rotation of said blade, and electroresponsive means for measuring the output of said coil which reflects the axial component of movement of said magnet in directions parallel to the rotor axis during vibration of the blade.

2,575,711
MASS SPECTROMETER RECORDER
John A. Hipple, Jr., Washington, D. C., and Donald J. Grove, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1947, Serial No. 783,264
9 Claims. (Cl. 346—33)

2. In a recording system for determining the peak value of an electrical signal, the combination with a recorder of the balancing potentiometer type including a pen movable across a record chart from an initial position, and electrical measuring means for controlling the movement of said pen to record said peak value and to control the return of the pen to said initial position thereafter; of a control system for said recorder including a potentiometer in circuit with said measuring means for automatically varying the response of said measuring means to make it non-linear as the pen traverses the chart toward the peak value of the signal being measured, means sensitive to the reversal of pen movement after such peak is recorded for causing said pen to again reverse its movement and record said peak value with a linear response of the measuring means comprising means for disconnecting said potentiometer from the measuring means circuit and establishing a second circuit for the signal to the measuring means, a series of shunts for selective inclusion in said second circuit and means for selectively rendering them effective to vary the signal current to obtain a selected linear response, said last named means including a selector switch automatically operated in synchroism with pen movement as the pen traverses the chart on its non-linear response to select a shunt corresponding to the extent of such movement, and means responsive to the completion of the peak measurement on linear response for placing the recording system in its original non-measuring condition.



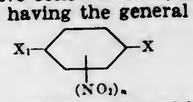
2,575,712
ELECTROPLATING
George W. Jernstedt, Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 29, 1945, Serial No. 619,404
5 Claims. (Cl. 204—44)



1. In the process of electrodepositing a metal selected from the group consisting of copper, brass, silver and zinc upon a base member from an aqueous cyanide electrolyte suitable for the electrodeposition of the metal, the steps comprising applying to the base member the aqueous electrolyte containing cyanide, passing an electrical current through the base member and electrolyte to render the base member cathodic for a period of time of from 2 to 40 seconds to electrodeposit metal upon the base member, discharging in about ¼ of a second through the base member and electrolyte a condenser charged to a potential of at least 30 volts and not in excess of 1000 volts, the condenser having a sufficient capacity to discharge from about 0.003 to 10 coulombs of current per square foot of base member surface being plated, the base member being anodic during the discharge, to deplate unsound and inferior electrodeposited metal, and repeating the cathodic current and anodic condenser discharge cycle until a desired thickness of metal has been electrodeposited on the base member.

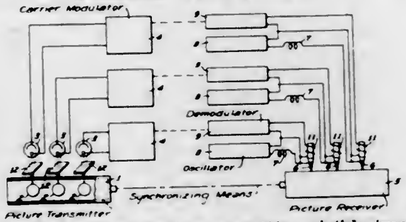
2,575,713
DISINFECTANT COMPOSITION CONTAINING A CORROSION INHIBITOR
Sven Christian Johansson, Goteborg, Sweden
No Drawing. Original application May 7, 1946, Serial No. 668,010. Divided and this application July 19, 1948, Serial No. 39,582. In Sweden May 12, 1945
12 Claims. (Cl. 167—13)

1. A disinfectant composition, non-corrosive to metals in the presence of water, the essential effective ingredients of which consist essentially of a bactericidal agent and an appreciably lesser amount than it of a corrosion inhibiting agent sufficient to manifest its corrosion inhibiting effectiveness in the presence of water when the bactericidal agent is present in the water in a bactericidally effective concentration, said corrosion inhibiting agent having the general formula



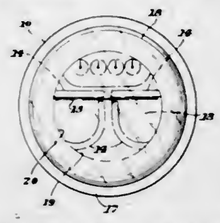
wherein X_1 is an oxy-group linked by its oxygen to a ring carbon and is a member of the class consisting of the hydroxyl, and the ammonium, alkali metal, and alkaline earth metal hydroxylate groups; X is a carbonyl-oxy group linked by the carbon of its carbonyl portion to a ring carbon in para-position to group X_1, said carbonyl-oxy group being a member of the class consisting of the carboxyl, carbalkoxy, and the ammonium, alkali metal and alkaline earth metal carboxylate groups and n is a whole number less than three.

2,575,714
FACSIMILE SYSTEM
John L. Johnson, Catonsville, and John R. Boykin, Glen Burnie, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1947, Serial No. 775,052
10 Claims. (Cl. 178—5.2)



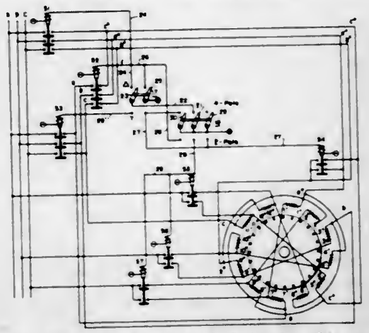
1. Means for producing a positive visible image which is to correspond in intensity from point to point to the variations with time of energy flowing over a transmission channel comprising means for supporting a medium to be marked, means for traversing said medium in adjacent paths by a pigment marking means, and means for vibrating said marking means parallel to the surface of said medium and normal to the direction of said paths, and means for controlling the amplitude of said vibrations in correspondence with the intensity from moment to moment of said energy.

2,575,715
LIGHTNING PROTECTOR FOR WATT-HOUR METERS
Edward L. Keller, Mount Lebanon, Pa.
Application June 13, 1946, Serial No. 676,395
2 Claims. (Cl. 171—34)



1. In a watt-hour meter including a base having a register mechanism and drag magnets mounted thereon, and a generally cylindrical glass cover removably secured to said base and adapted entirely to enclose said magnets and register mechanism, the improvement comprising a generally cylindrical shell snugly fitting said cover, said shell being composed of a metal having electrical conductivity of the order of that of aluminum and thereby being effective to protect the drag magnets against demagnetization and prevent excessive registration of said mechanism as a result of surge currents in the neighborhood of the meter.

2,575,716
TWO-SPEED POLYPHASE DYNAMO-ELECTRIC MACHINE
Lee A. Kilgore, Export, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 2, 1950, Serial No. 183,001
4 Claims. (Cl. 318—224)



1. A polyphase two-speed, 2-to-1 pole-number, dynamo-electric machine having $4n$ poles for its high pole-number, where n is an integer; characterized by a primary winding having a plurality of identical winding-groups following each other

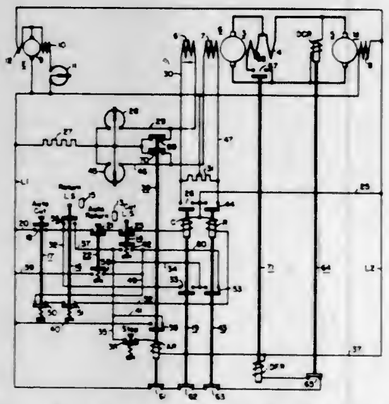
consecutively around the circumference of the primary winding; permanent group-connections forming a separate ring of four winding-groups per phase per four poles of the $4n$ pole-number, each ring forming two parallel circuits for said $4n$ pole-number, one of said two parallel circuits of each ring consisting of two serially connected winding-groups which are similarly situated in two different north poles at any given instant, and the other parallel circuit of each ring consisting of two winding-groups which are serially connected in the opposite polarity and which are similarly situated in two different south poles at the aforesaid instant; slow-speed polyphase switching-means for energizing each of the aforesaid pairs of parallel circuits from its own proper phase to make the $4n$-pole connection of the primary winding; and high-speed polyphase switching-means for energizing the two intermediate junction-points between the winding-groups which were in series with each other in the $4n$-pole connection, to make a four-parallel connection for each phase for the $2n$-pole connection of the primary winding.

2,575,717

MOTOR CONTROL SYSTEM

George E. King, Williamsville, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 26, 1948, Serial No. 62,212
3 Claims. (Cl. 318—282)



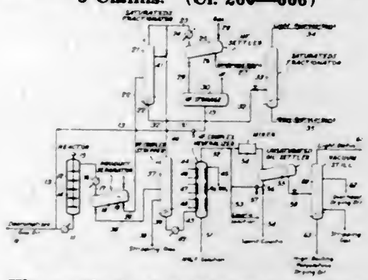
1. A control system for a reciprocating planer platen provided with dogs for actuating certain limit switches constituting part of the control system, in combination, a reversible electric motor for driving said platen, said motor including an armature and a field winding, a generator including an armature and a pair of oppositely wound field windings, means, including electrical control apparatus, for energizing said motor and generator field windings, said control apparatus including a pair of reversing relay contactors, each of which upon energization is adapted to complete an energizing circuit through one of said generator field windings, a limit switch associated with each of said relay contactors and one adapted to be operated, by one dog on the planer platen, near the end of its movement in a given direction and the other adapted to be operated, by the other dog on the planer platen, near the end of its movement in the opposite direction, each of said limit switches including normally closed contacts in series with the coil of its associated contactor and normally open contacts which when closed are adapted to complete an energizing circuit through the coil of the other contactor, so that as one of said contactors drops out the other will immediately pick up, thereby considerably decreasing the transfer time required for operation of said contactors, one of said contactors including normally open contacts which when closed completes an energizing circuit through one of said generator field windings and the other of said contactors including normally open contacts which when closed completes an energizing circuit through the other of said generator field windings to that as said contactors operate in succession, the direction of drive of said motor is reversed so as to reverse the direction of movement of said planer platen.

2,575,718

METHOD OF PRODUCING POLYOLEFINIC HYDROCARBON DRYING OILS

Robert J. Lee, La Marque, and Pat S. Drennan, Dickinson, Tex., assignors to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware

Application April 22, 1948, Serial No. 22,546
3 Claims. (Cl. 260—666)



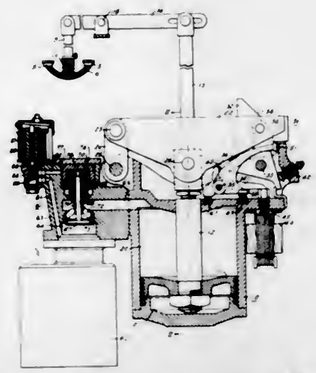
1. The method of obtaining a synthetic drying oil having an average molecular weight of at least about 200, an iodine number in the range of about 400 to 600 and a maleic anhydride value of at least 250, which method comprises contacting a hydrocarbon charging stock which is substantially free from aromatic hydrocarbons with hydrogen fluoride at a temperature in the range of 250° to 450° F. under a pressure sufficient to maintain liquid phase conditions with an HF to oil ratio in the range of .1:1 to 5:1 and with a contact time in the range of about 5 to 30 minutes, cooling the contacted materials and separating said materials into a saturated oil phase containing only a small amount of dissolved HF and an HF phase composed chiefly of free HF but containing hydrogen fluoride-hydrocarbon complex in solution, stripping said free HF from the hydrogen fluoride-hydrocarbon complex in the HF phase at a temperature in the range of about 100 to 300° F. and under sufficient pressure to leave at least about one molecule, but not more than 2 molecules, of HF per double bond in the hydrocarbon component of the complex whereby decomposition of said complex is avoided in the stripping step but substantially all uncombined hydrogen fluoride is removed therefrom, neutralizing the HF complex containing at least about 1 but not more than about 2 molecules of HF per double bond in the hydrocarbon component thereof by contacting said complex with an aqueous alkaline solution at a temperature in the range of 30° to 150° F., separating the resulting hydrocarbon and aqueous phases respectively from each other, treating the hydrocarbon phase to eliminate residual amounts of HF and distilling under subatmospheric pressure the hydrocarbon phase from which residual HF has been removed.

2,575,719

CIRCUIT BREAKER

Winthrop M. Leeds, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 25, 1946, Serial No. 679,086
17 Claims. (Cl. 200—82)



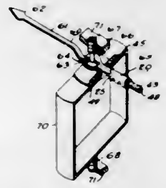
1. In a circuit breaker operative by fluid under pressure and comprising relatively movable contact means, a cylinder, a piston in said cylinder for operating said contact means and control valve means operative to control supply and release of fluid under pressure to and from said cylinder in such a manner as to effect fast contact opening operation of the circuit breaker on a "close-open" duty cycle; the combination of auxiliary valve means controlling a communication for rapidly conducting fluid under pressure from one side of said piston to the other, and means for actuating said auxiliary valve means simultaneously with initiation of a fast contact opening operation.

2,575,720

INSTRUMENT BALANCE MECHANISM

Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 19, 1947, Serial No. 742,693
12 Claims. (Cl. 116—136.5)



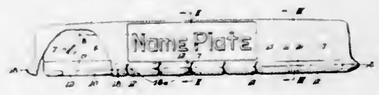
1. In an adjustable balance mechanism, a balance weight support formed of sheet material for supporting a weight screw, said balance weight support having ears turned in the same general direction with respect to each other, said ears having apertures therein to permit the weight screw to extend through said apertures and to be adjustably retained therein transversely to an axis about which the balance weight support rotates, said balance weight support having means for supporting a linear mass transversely to the weight screw.

2,575,721

NAME PLATE DEVICE OR THE LIKE

Harvey Lichty, Emmaus, Pa., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa., a corporation of Maryland

Application June 10, 1948, Serial No. 32,112
5 Claims. (Cl. 40—11)



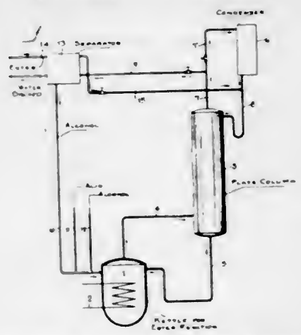
1. In a name plate device of the character described, a rigid substantially rectangular backing plate adapted to be permanently affixed to a supporting surface, said plate having upper and lower edge marginal areas outwardly offset relative to its medial area, one such margin being plain edged and the other formed with an outward and upward curl; and a correspondingly-configured transversely-springy hollowed-out face plate with a peripheral flange adapted to be applied over the backing plate to completely conceal it, one longitudinal edge portion of said flange being rounded to hook over and engage behind the plain offset edge portion of the backing plate, and the other longitudinal edge portion being likewise rounded to snap over and engage behind the curl along the other offset marginal edge of the backing plate.

2,575,722

PROCESS FOR PRODUCTION OF LOWER ALIPHATIC ESTERS

Maurice Mainçon, Vendin le Vieil, France, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France, a corporation of France

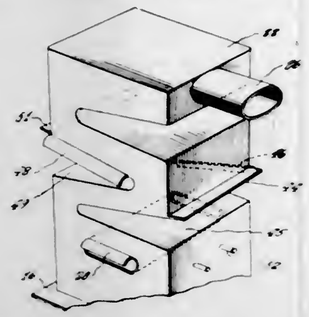
Application November 1, 1948, Serial No. 57,744
In France November 3, 1947
10 Claims. (Cl. 260—488)



1. A process for making lower aliphatic esters having 2 to 5 carbon atoms from the corresponding lower aliphatic acid and lower aliphatic alcohol, which comprises, continuously feeding said alcohol and acid into a catalytic bath in proportion to produce ester, said bath containing an esterification catalyst, and water in the proportion of at least 50% by weight of the bath, and such acid and alcohol, the proportion of alcohol in the bath being lower than the proportion of acid, heating said bath to cause esterification, continuously distilling ester, alcohol, water and acid from the bath, the heating being regulated so that the formed ester and water added are substantially entirely vaporized in proportion to their presence in the bath, continuously washing the distillate with a liquid

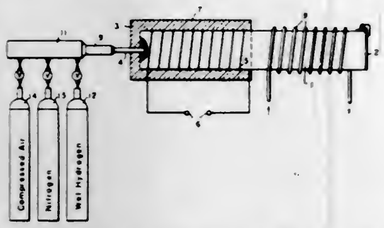
substantially without removing ester from the distillate, and regulating said feed of alcohol and acid into the bath to compensate for evaporation losses and to maintain substantially constant the composition and volume of the bath.

2,575,723
VERTICAL FLUE BOILER
Benedict W. Mandelburg, Scarsdale, N. Y.
Application June 18, 1948, Serial No. 33,857
4 Claims. (Cl. 122—155)



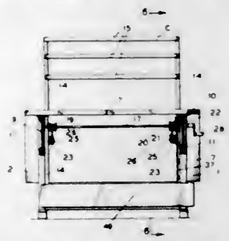
1. A heating boiler comprising an inner shell, a horizontal flue projection extending inwardly into the combustion space, said flue projection providing a water space open on three sides and having an upper portion, an outer shell surrounding the inner shell and providing a water space therebetween and baffle means disposed on two adjacent sides of said water space of the flue projection at the level of said upper portion of the flue projection and in the space between the shells, whereby to direct water moving upwardly between the shells into the projection space from two open sides and outwardly of the projection space from the third open side thereof.

2,575,724
METHOD OF TREATING KOVAR
Ralph O. McIntosh, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1949, Serial No. 80,378
2 Claims. (Cl. 148—6.35)



1. The method of subjecting a Kovar member to successive treatments by hydrogen and oxygen at high temperatures which comprises heating the Kovar from room temperature to the desired reacting temperature while surrounded by an atmosphere to which said Kovar is chemically inert, thereupon displacing the chemically inert atmosphere with an atmosphere which produces a reducing reaction on Kovar and continuing the presence of the reducing atmosphere only for the time during which reaction is desired to take place; then displacing the reducing atmosphere with a chemically inert atmosphere about the object, then rapidly displacing the chemically inert atmosphere about the object by an atmosphere which has an oxidizing effect on Kovar and continuing the presence of the oxidizing atmosphere for the period during which it is desired to continue oxidation; then rapidly displacing the oxidizing atmosphere with an atmosphere which is chemically inert to Kovar and thereafter cooling the Kovar while surrounded by said inert atmosphere to a temperature at which it will not oxidize in air before removing it from the furnace.

2,575,725
COMBINATION TABLE AND SHELVES
George W. McKay, Portland, Oreg.
Application April 15, 1947, Serial No. 741,556
3 Claims. (Cl. 312—287)

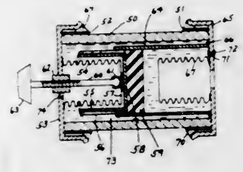


1. A combined table and shelves comprising a table formed with an opening in its top and provided at opposite ends with vertical guides, a shelf member, including a top and bottom shelf to fit in the opening in the top of the table, and ends which fit in and slide in the guides, pulleys at each side of the lower ends of the ends, a shaft mounted between the ends of the table, drums mounted on the shaft, cables each having one of their ends secured to the ends of the table above the pulleys and trailed around the pulleys and their opposite ends trailed around the drums, a brake drum and ratchet wheel mounted on the shaft, a brake band trailed around the brake drum, a spring-actuated pawl normally out of engagement with the ratchet wheel, the pawl having a projection with which one of the ends of the shelf member engages whon the top shelf is lowered in the opening in the top of the table, to pull the pawl into engagement with the ratchet wheel to prevent further rotation of the drums in the same direction and unwinding and tangling of the cables, while permitting reversal of the drums and winding of the cables to raise the shelves.

2,575,726
HERMETICALLY SEALED ADJUSTABLE DEVICE
David B. Peck, Williamstown, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application July 30, 1949, Serial No. 107,802
4 Claims. (Cl. 175—41.5)

1. A hermetically sealed variable electrical device comprising a first tube-shaped electrical component, a second electrical component movably held for adjustable penetration within the tube formed by the first component to electrically cooperate in providing a variable electrical characteristic, adjusting structure connected to adjustably move said second component, both of said relatively adjustable electrical components

being disposed within a rigid hermetically sealed casing filled with a fluid medium, said adjusting structure including a first bellows connected between the casing and said second electrical component to provide an adjustable sealed connection to this component, and a second bellows providing compensation for volume and pressure changes within said casing resulting from temperature changes and from movement of said first bellows, said second bellows extending inwardly from the



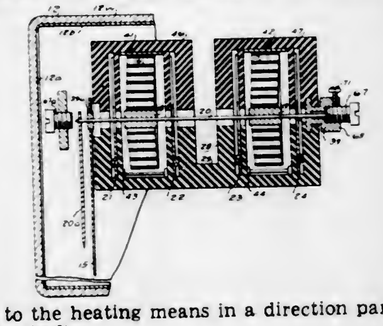
casing and into the tube formed by the first electrical component and having an expansion range extending within at least a portion of the adjustment range of travel of said second component, to provide a compact construction in which adjusting movement of the second component into the first component causes the second bellows to expand in volume and causes the first bellows to contract by a corresponding volume and make way for the second component.

2,575,727
METHOD OF COATING GLASSINE
Garrett H. Peters, Rhinelander, Wis., assignor to Rhinelander Paper Company, Rhinelander, Wis., a corporation of Wisconsin
No Drawing. Application November 12, 1947, Serial No. 785,521
5 Claims. (Cl. 117—76)

1. A method of coating glassine which comprises treating glassine stock in web form with an aqueous solution consisting essentially of a salt selected from the group consisting of alkali metal and ammonium phosphates, silicates and carbonates, drying the thus treated glassine stock and applying to said treated surface a resinous lacquer in which the resinous constituent consists of a thermoplastic resin selected from the group consisting of cyclized rubbers, chlorinated rubbers, and a vinyl co-polymer consisting of vinyl chloride and vinyl acetate, which resinous constituents do not adhere well to glassine when not so treated.

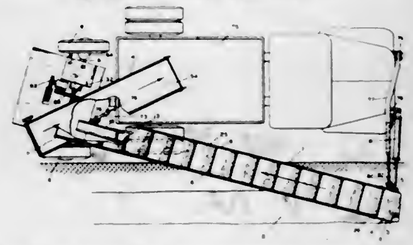
2,575,728
THERMAL METER, INCLUDING VARIABLE POSITIONING MEANS FOR ACTIVE ELEMENTS
Ambrose J. Petzinger, Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1948, Serial No. 12,090
16 Claims. (Cl. 171—95)

1. In a thermal device, a shaft, a pair of spaced thermo-responsive elements for controlling rotation of the shaft, means mounting the shaft for rotation, said means permitting axial movement of the shaft, separate heating means positioned adjacent each of the thermo-responsive elements for heating each of the thermo-responsive elements, and positioning means for adjusting the shaft and thermo-responsive elements rela-



tive to the heating means in a direction parallel to the shaft.

2,575,729
DITCHING AND LOADING DEVICE
Archie Radakovich, Kelso, Wash.
Application March 16, 1948, Serial No. 15,197
3 Claims. (Cl. 198—11)

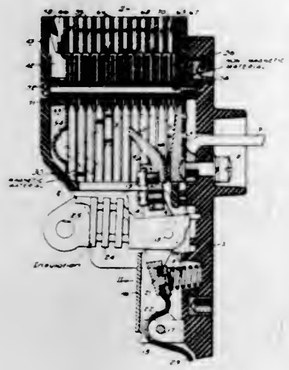


1. A conveying machine comprising, in combination, a pair of wheels mounted to an axle, a frame mounted on said axle and pivotal thereon, a chute rigidly mounted on said frame at an angle forwardly of said wheels with its lower forward end at ground level, said chute being at an angle to the path of said wheels to position its forward end laterally of the wheel path, a third wheel supporting the forward end of said chute, a blade on the forward end of said chute for scooping up loose material, a continuous conveying means in said chute for moving the material the length of said chute and discharging it at the other end thereof, a second chute pivotally supported adjacent one end by said frame, said second chute being pivotal about a vertical axis located beneath the upper discharge end of said inclined chute so that one end of said second chute is under said discharge end to receive the discharged material regardless of the angle of said second chute, a continuous conveying means in said second chute for moving the material to and discharging it from the opposite end thereof, and drive means carried by said frame for driving both of said conveying means and said wheels.

2,575,730
CIRCUIT BREAKER
Jerome Sandin, Forest Hills, and Herbert L. Rawlins, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1947, Serial No. 734,444
9 Claims. (Cl. 200—144)

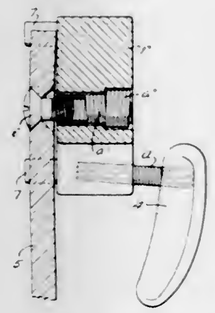
1. In a circuit interrupter, a housing having a vent opening therefrom, means for establishing

an arc, means for extinguishing the arc within the housing including a plurality of spaced plates, means for marring the arc against the plates, baffle means disposed in the vent opening for cooling and deionizing the arc gases passing out



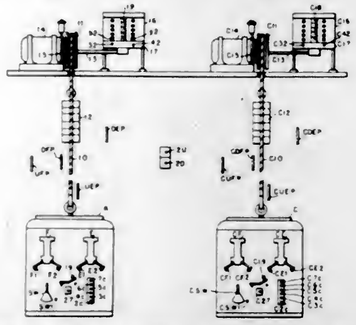
of the housing through the vent opening, and at least one of the plates having a latch portion at the end thereof remote from the arc establishing means cooperating with a cooperating latch portion on the baffle means to hold the latter in position.

2,575,731
ELASTIC FASTENING MEANS FOR SPECTACLE LENSES
Antonio Santa, Turin, Italy
Application August 25, 1948, Serial No. 45,986
In Italy June 12, 1948
5 Claims. (Cl. 88—47)



1. An ophthalmic mounting comprising a frame portion having an opening formed therein; an extensible resilient member anchored at its posterior end within said opening; a lens for attachment in abutting relation against the side of said frame portion opposite the anchored end of said resilient member; and a fastening member extending through an opening in said lens and detachably engageable with the anterior end of said resilient member for placing said resilient member under axial tension and resiliently retaining said lens against said frame portion.

2,575,732
ZONED ELEVATOR SYSTEM
Danilo Santini, Tenafly, Arvid M. Nelson, Hillsdale, and John Suozzo, North Arlington, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1949, Serial No. 100,924
37 Claims. (Cl. 187—29)



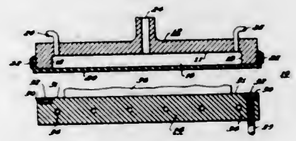
37. In an elevator system for a building having a reference floor, a first zone of floors above the reference floor and a second zone of floors above the first zone, a plurality of first elevator cars, control means including first down-call means operable from the floors of the first zone for stopping one of the elevator cars at the associated floors to provide transportation therefrom to the reference floor, said control means comprising quota means responsive to operation of a predetermined number of said down-call means for reversing an upwardly-traveling one of said first elevator cars at the highest down call in the first zone, a plurality of second elevator cars, control means controlling the second cars to serve the floors of the second zone, said control means including second down-call means operable from the floors of the second zone for stopping the second elevator cars at the associated floors to provide transportation therefrom to the reference floor, auxiliary control means cooperating with the previously-mentioned control means in response to a failure to answer an operated one of the second call means within a predetermined time while the operated first down-call means are below said predetermined number for conditioning upwardly-traveling ones of said first elevator cars to proceed to, and reverse at, the highest down call in the second zone which has been registered for at least said predetermined time regardless of the attainment of said predetermined number prior to the completion of the response of one of the first elevator cars to the highest down call, said auxiliary control means including an interlock responsive to operation of the quota means for preventing said conditioning, said auxiliary control means including releasing means responsive to the pickup by an upwardly-traveling one of the first elevator cars of the highest down call in the second zone which has been registered for at least said predetermined time for resetting the remainder of the upwardly-traveling first elevator cars for control by the quota means, and supplemental means cooperating with the control means in response to a priority down call in the first zone for conditioning any of the second elevator cars to pick up the priority down call, said supplemental means being responsive to said priority down call for conditioning only second elevator cars in the second zone and controlled for operation in a down direction to pick up the priority down call, and said supplemental means including means responsive to arrival adjacent the reference floor of the first of the second elevator cars which was conditioned to pick up the priority down call in the first zone for terminating the conditioning of said second elevator cars.

2,575,733
FLEXIBLE MICA COMPOSITIONS
Earl L. Schulman, Swissvale, Pa., and George S. Reeder, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1946, Serial No. 714,818
8 Claims. (Cl. 154—2.6)



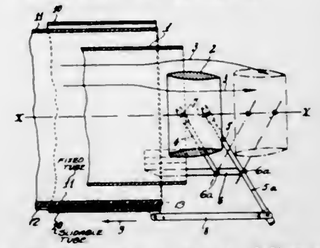
1. Insulating material comprising in combination mica flakes and a bonding agent applied to the mica flakes, the bonding agent comprising heat-treated pine tar of a viscosity of from 10 to 100 poises free from oil and other volatile material corresponding to the product derived by heating pine tar for from about 3 to 8 hours at a temperature of from about 200° to 250° C. under atmospheric pressure, the heat treatment driving off the oil and other volatiles in the pine tar.

2,575,734
PRESS
Earl L. Schulman, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1947, Serial No. 794,613
3 Claims. (Cl. 18—17)



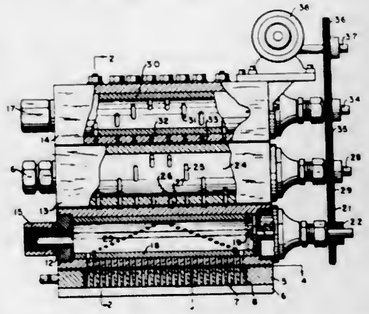
3. In a press, the combination comprising, a pair of relatively movable platens having opposed faces disposed for movement into cooperating pressing relationship, a continuous projecting portion carried by one of the platens to form a cavity of predetermined configuration on the face thereof, an impervious elastic diaphragm disposed across the face of the one platen in seating engagement with the projecting portion to form a space between the elastic diaphragm and the one platen, means for applying fluid pressure to the space, a continuous channel disposed in the face of the other platen to conform to the configuration of the continuous projecting portion, a flexible tube disposed in the channel, means for applying pressure to the interior of the flexible tube greater than the pressure applied to said space whereby the flexible tube contacts the elastic diaphragm when the platen faces are in pressing relationship to force the elastic diaphragm into sealing contact with the projecting portion of the one platen to prevent loss of fluid pressure from said space.

2,575,735
MEANS FOR ADJUSTING THE EFFECTIVE EXIT CROSS-SECTION OF A NOZZLE OR THE LIKE
Lucien Servanty, Paris, France, assignor to Societe Nationale De Constructions Aeronautiques Du Sud-Quest (Societe Anonyme), Paris, France, a company of France
Application March 30, 1946, Serial No. 658,559
In France May 14, 1945
4 Claims. (Cl. 60—35.55)



1. The combination of a gas delivery nozzle having a discharge mouth which has a cylindrical gas-flow-directing inner surface extending for a substantial distance inwardly from the discharge end of the mouth, with a ring of axially-extending aerofoil shape in radial section and of materially less outer maximum diameter than the diameter of said mouth at said cylindrical inner surface; the said ring being supported adjacent said mouth in co-axial relationship with said cylindrical surface in such manner as to be capable of axial movement back and forth to plural positions in each of which the ring is wholly within the discharge path of a jet of gas being discharged from said mouth, and the said ring having a pressure-reducing aerofoil surface at its outer periphery which tapers inwardly in the direction of flow of said gas and which, in the presence of discharge-gas flow generally axially of said nozzle, diverts inwardly the discharge gas passing over said aerofoil surface to cross-sectionally contract the jet of gas being discharged from the nozzle.

2,575,736
METHOD OF THERMOCHEMICALLY CUTTING METALS
Jesse S. Sohn, Succasunna, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1949, Serial No. 119,462
3 Claims. (Cl. 148—9)



1. A method of thermochemically cutting a ferrous metal workpiece which comprises positioning torch means having a row of closely

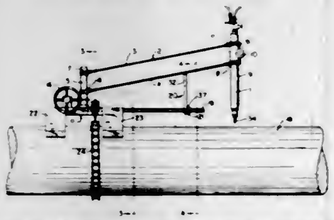
spaced cutting oxygen orifices in operative position with respect to the work to be cut and fixed in the direction of a desired cut throughout the cutting operation, projecting a jet of cutting oxygen onto the workpiece from a first of said orifies to thermochemically remove metal therefrom, thereafter projecting a jet of cutting oxygen from a second orifice immediately adjacent said first orifice and downstream therefrom in the direction of the cut after said first oxygen jet has been in operation, but before its cutting action is completed, whereupon said second oxygen jet thermochemically removes metal from said workpiece adjacent the point at which metal was removed by said first oxygen jet and so related thereto that the thermochemical action completely removes the metal between said jets to form a unitary kerf while said torch means is maintained stationary with respect to said work, discontinuing the projection of cutting oxygen from said first orifice after its cutting action is completed, projecting a jet of cutting oxygen from a third orifice immediately adjacent said second orifice and downstream therefrom while the jet of cutting oxygen from the second orifice is being projected onto the work and before its cutting action is completed, and successively and progressively projecting jets of cutting oxygen from said orifices and discontinuing the projection thereof in such manner in the direction of the cut.

2,575,737

GAS TORCH MACHINE FOR CUTTING ROUNDS AND THE LIKE

Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application August 24, 1948, Serial No. 45,942
4 Claims. (Cl. 266—23)



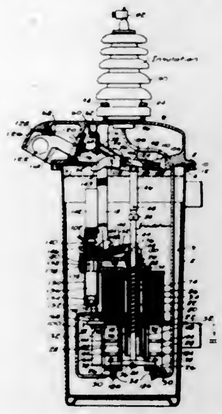
1. A portable cutting machine of the gas torch type for severing rounds comprising a base, clamping means for clamping said base to the round to be cut, a post disposed perpendicularly to said base and axially rotatable thereon, a cutting torch having a tip, a torch support comprising a parallelogram linkage extending longitudinally of the workpiece when the base is clamped to the workpiece and having upper and lower members each pivoted at one end to said post to swing about a horizontal axis whereby each arm is universally movable about the point of intersection of its horizotal pivot axis and the axis of said post, the other end of each of said members being pivotally connected to said torch such that the axis of the torch remains parallel to the axis of said post when the torch is moved vertically, and a cam supported by said base having an arcuate cam face lying in a plane which extends transversely of said parallelogram linkage and which is spaced from said post lengthwise of the parallelogram linkage, the center of curvature of said arcuate cam face being in longitudinal alignment with the point about which said lower member of the parallelogram linkage is universally movable, a part of the lower member of the parallelogram linkage comprising a follower for said cam face whereby movement of the parallelogram linkage about the axis of said post to produce movement of the torch across the workpiece causes the torch tip to move in an arcuate path lying in a plane at right angles to the longitudinal axis of the workpiece.

2,575,738

CIRCUIT INTERRUPTER

James M. Wallace, East McKeesport, and Joseph K. Kraft, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 28, 1946, Serial No. 718,942
14 Claims. (Cl. 200—150)



14. In a circuit interrupter, substantially U-shaped contact supporting means of insulating material, means mounting the free ends of said contact supporting means, stationary contact means supported in said contact supporting means adjacent the bight portion thereof, cooperable contact means mounted for movement in said contact supporting means along the length thereof into and out of engagement with said stationary contact means on a member which extends into said contact supporting means from one side thereof, plate means extending transversely across the space between the legs of said contact supporting means at the opposite side thereof, and means extending inwardly from at least one leg of said contact supporting means along the length thereof at said one side to restrict the opening at said one side to substantially less than the opening at the opposite side of said contact supporting means.

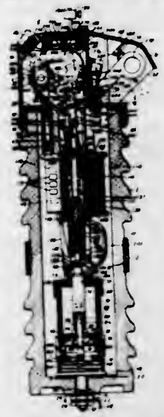
2,575,739

CIRCUIT INTERRUPTER

James M. Wallace, East McKeesport, Herbert L. Rawlins, Swissvale, and James M. Cumming and Wayne S. Aspey, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application June 24, 1941, Serial No. 399,452. Divided and this application March 28, 1947, Serial No. 737,874
3 Claims. (Cl. 175—294)

1. An automatic reclosing circuit breaker comprising, separable contacts adapted to be serially connected in an alternating current load circuit, electroresponsive means connected in series circuit with said contacts and of a capacity such that it is unaffected by the passage of normal load currents therethrough but is responsive to overload currents to cause separation of said contacts, said contacts being biased closed to automatically close the circuit in response to a circuit opening operation, a shunt circuit about said electroresponsive means but not around said



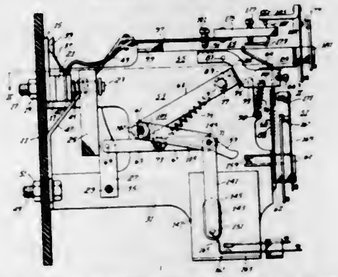
contacts, said shunt circuit including normally non-conductive gap means adapted to become conductive in response to high voltage surges to bypass said electroresponsive means and thus relieve said electroresponsive means of such high voltage surges, and means in said shunt circuit for interrupting the flow of current across the gap in response to cessation of such a high voltage surge.

2,575,740

CIRCUIT BREAKER

Peirce E. Warrington, El Cerrito, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 30, 1943, Serial No. 492,910
21 Claims. (Cl. 200—92)



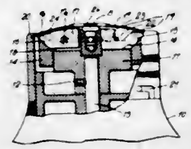
1. A circuit breaker comprising relatively movable contacts, operating mechanism therefor including closing power means for closing said contacts and a member operable when released to effect an opening operation of the circuit breaker irrespective of the position of said closing means, means at times preventing energization of said closing means, means operable by said releasable member to effect energization of said reclosing means to automatically reclose said contacts, a trip device operable in response to predetermined conditions in the circuit to release said releasable member, said trip device being operable to prevent energization of said reclosing means until normal conditions are restored to the circuit.

2,575,741

SHAVING APPARATUS

Victor R. Abrams, Rockford, Ill., and John Lorenz, Forest Hills, N. Y., assignors, by mesne assignments, to Eleanor U. Andrews, Greenwich, Conn.

Application August 14, 1945, Serial No. 610,762
4 Claims. (Cl. 30—43)



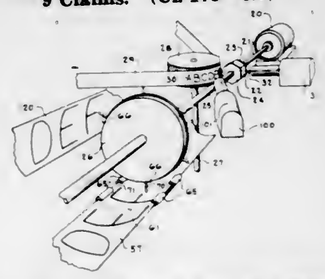
1. In a combination with a shaving apparatus having a thin flexible shear plate and a cutter traversing the under surface of said shear plate about an axis substantially normal thereto to sever hair projected therethrough, said shear plate having a center opening and a thickened member mounted in said shear plate opening and positioned over said axis, said member being slotted substantially radially to form spaced bars intercepting the path of movement of said cutter adjacent to its axis of movement, whereby hairs introduced into the spaces between said bars are severed by the cutter.

2,575,742

DEVICE FOR COPYING RECORDS ON A PROPORTIONAL SCALE

William H. Baltin, New Brunswick, N. J., and Ralph R. Batcher, Douglaston, N. Y., assignors to Transcontinental Television, Inc., New Brunswick, N. J., a corporation of New Jersey

Application May 13, 1947, Serial No. 747,877
9 Claims. (Cl. 178—6.6)



1. A device for making a record reproduction from an original record, including, in combination, a scanning device including a stationary light source generating a fixed light beam, and light deflecting means to move the beam cyclically in scanning movements across the original record; means actuated by the beam as affected by the record to generate corresponding electric signals; and reproducing means controlled to record according to the electric signals, said light deflecting means and said reproducing means being mechanically coupled so that one moves synchronously with the other but with a relative difference in amplitude of the scanning and reproducing movement as determined by the mechanical coupling.

2,575,743

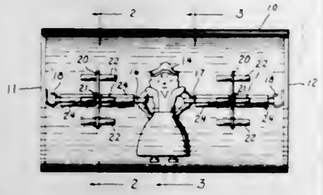
RETURNING ROLL TOY

Earl R. Biggs, Portland, Oreg.

Application August 6, 1946, Serial No. 688,636
4 Claims. (Cl. 46—207)

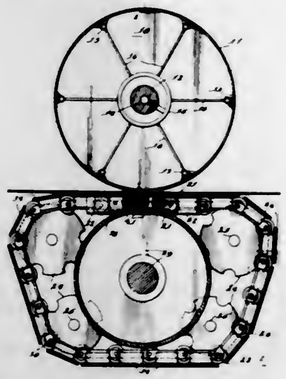
1. In a returning roll toy the combination comprising a housing including a transparent cylin-

drical outer wall and opposite end walls, a double faced doll mounted within said housing, a weight in the lower portion of said doll, rubber band suspension means attached to an intermediate portion of said doll above said weighted end portion, said rubber band suspension means extending axially of said housing and attached to each of the opposite end walls of said housing, said doll being suspended substantially midway be-



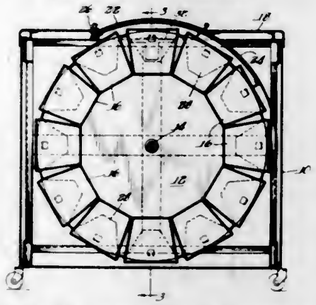
tween said opposite end walls, rotary means mounted on said rubber band suspension means on each of the opposite sides of said doll substantially midway between said doll and the adjacent end wall, and spacer means around said rubber band suspension means on each of the opposite sides of said rotary means whereby upon rolling movement of said toy said rotary means rotate at a rate substantially one-half the rate of rotation of said housing.

2,575,744
IRONER APPARATUS
George H. Burt, Flossmoor, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application December 21, 1948, Serial No. 66,511
5 Claims. (Cl. 18—19)



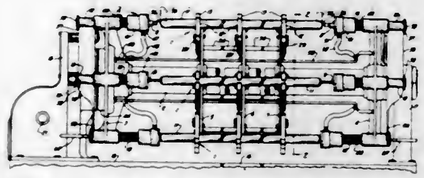
5. Apparatus for hot ironing fiberboard and comprising in combination, spaced conveyor chains, the chains comprising spaced side links, and connecting pins spacing the side links and to which the side links are pivoted, rollers mounted on the pins between the spaced side links, support members mounted to the side links of the chain, plane surface plate members extending between the spaced conveyor chains and mounted to the support members thereon, support rails mounted in operative relation to each of the chains and comprising a guide for the rollers mounted on the pins of the conveyor chains and constituting leveling supports for the plate members, whereby there is formed an endless traveling bed, a hot roll journaled for rotation over the traveling bed, a cylindrical thrust-receiving abutment rotatably mounted below the traveling bed, and thrust transfer rollers mounted between the under side of the traveling bed and the thrust-receiving abutment.

2,575,745
ROTARY FILE
Walter Oscar Carlson, Jamestown, N. Y., assignor to Spin-Dex, Inc., Chicago, Ill., a corporation of Illinois
Application May 7, 1947, Serial No. 746,449
5 Claims. (Cl. 45—3)



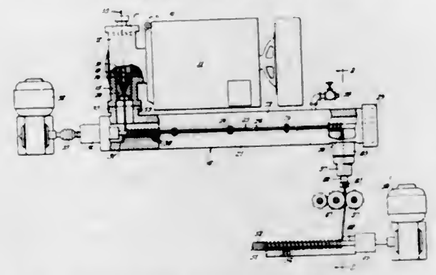
1. A rotary file comprising a rotatable drum formed with a series of filing compartments arranged around the periphery thereof, stationary means defining a file-transfer station with respect to said drum, a series of file retainers carried by said drum and respectively associated with said compartments, each of said retainers including resilient means normally urging the retainer into a closed position, and stationary cam means cooperating with said retainers proximate to said file-transfer station to positively move each retainer into its open position as the respective filing compartment is disposed in said file-transfer station, said cam means being limited in extent commensurate with the length of said station.

2,575,746
SEALING-IN MACHINE FOR TUBULAR DOUBLE-ENDED LAMPS
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 11, 1947, Serial No. 721,529
14 Claims. (Cl. 49—2)



6. Apparatus for sealing closure elements, each having a cavity at the center thereof, to opposite ends of a tubular envelope comprising; a head including spaced and aligned spindles, resilient holders movably mounted in said spindles for supporting the closure elements by engagement with the walls of the cavities therein, an interposed tube supporting means for supporting said tubular envelope in alignment with said holders, and heating means associated with each holder; a movable turret for supporting the said head, and stationary cam means in the path of movement of said spindles for moving said holders toward and away from said tube supporting means to carry the closure elements into sealing relation to the ends of the tubular envelope and to thereafter separate said holders from the closure elements.

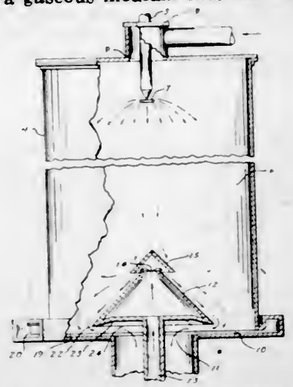
2,575,747
APPARATUS FOR MAKING RETRACTILE CORDS
John Brown Cook, Chicago, Ill., assignor of one-half to Ralph D. Collins, Beverly Hills, Calif., and one-half to The Whitney Blake Company, Hamden, Conn.
Application May 6, 1946, Serial No. 667,629
5 Claims. (Cl. 18—19)



3. In an apparatus for making retractile cords, a tubular vulcanizing chamber comprising a tubular member having a substantially radially disposed inlet at one end and a substantially radially disposed outlet at the other end, a cylindrical mandrel journaled in said tubular chamber, means to rotate said mandrel, means projecting from the wall of said tubular chamber into proximity to the surface of said mandrel, said means being so shaped that when a coated conductor is wound up in helical form on said mandrel at the inlet end of said tubular chamber and removed from said mandrel at the outlet end thereof, said projecting means will engage the separate convolutions of said helix and cause the same to advance in an axial direction from the inlet end to the outlet end of said tubular chamber, and means for supplying a vulcanizing fluid to the interior of said tubular member, and means disposed exteriorly of said chamber and substantially aligned with said outlet for engaging said coated conductor to cause the same to be tensioned whereby the convolutions of said conductor when in helical form will be caused to closely conform to and frictionally engage said mandrel.

2,575,748
DESICCATION PRODUCT REMOVAL MEANS
Robert E. Colwell, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis Mo., a corporation of Delaware
Application March 23, 1950, Serial No. 151,384
5 Claims. (Cl. 159—4)

1. In a spray drying chamber, means at the bottom of the chamber comprising a centrally located exit port for removing a gaseous medium containing solid particles suspended therein, a baffle in the shape of a truncated cone located concentrically over the exit port, the diameter of the base of said cone being substantially greater than the diameter of the exit port, the area of the base of said cone being from 50% to 200% greater than the area of the exit port and the height of said cone being from 1 to 4 times the radius of the base of the cone, means for introducing a gaseous medium into the spray drying chamber through the top of said cone, and means for deflecting said gaseous medium downward over the outer surface of said cone.



2,575,749
CARRIER FOR OUTBOARD MOTORS
Milburn B. Cross, Chino, Calif.
Application November 29, 1948, Serial No. 62,505
3 Claims. (Cl. 206—46)



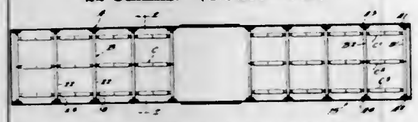
1. A carrier for outboard motors which includes: a lower frame having convergent sides; an upper frame generally aligned with said lower frame and having converging sides; members connecting said upper frame to said lower frame to hold the wider ends of said frames farther apart than the narrow ends thereof; upwardly divergent members extending between said upper and lower frames at one end thereof; adjustable cradle members mounted on said divergent members to receive and hold the upper end of said motor against movement with respect to said frames and in a position wherein the major portion of said motor is between said upper and lower frames; and bifurcated retaining means movably mounted between said upper and lower frames for adjustment along the longitudinal axis thereof, to receive the propeller end of said motor and hold it against lateral movement with respect to said frames.

2,575,750
ACRYLONITRILE-ISOBUTYLENE COPOLYMER SYNTHETIC RESIN LATEX
John A. Davison, Waldwick, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 25, 1948, Serial No. 46,192
6 Claims. (Cl. 260—85.5)

1. In the method of preparing an acrylonitrile-isobutylene copolymer synthetic resin latex by polymerizing an aqueous emulsion of a mixture of acrylonitrile and isobutylene in the presence of a peroxide catalyst, the steps of adding to the reaction mixture 0.2 to 2 parts by weight of am-

monia per 100 parts of acrylonitrile and isobutylene initially present after conversion of 60% to 80% by weight of the original acrylonitrile to copolymer and before removing unreacted acrylonitrile, and thereafter removing residual unreacted polymerizable monomeric material from the reaction mixture.

2,575,751
ADJUSTABLE DUNNAGE APPARATUS
Elliott Donnelley, Chicago, Ill., assignor to R. R. Donnelly & Sons, a corporation of Illinois
Application December 1, 1948, Serial No. 62,926
22 Claims. (Cl. 105—369)



1. Adjustable dunnage apparatus comprising: supporting members adapted to be temporarily secured to the inner walls of a box car in opposed pairs and bearing against structural members thereof, said members having inwardly facing serrated portions; main braces comprising a plurality of telescoping members and having projecting elements at their ends to engage the serrated portions of an opposed pair of supporting members; screw and nut means in said main braces for effecting longitudinal adjustment thereof to provide an outward retaining thrust against the supporting members tending to retain said members against displacement; and cross-arms adapted to be disposed between adjacent main braces, said cross-arms being longitudinally adjustable and having their ends provided with means for engaging said main braces.

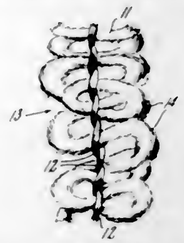
2,575,752
ANTISPLASH SHOE HEEL
William H. Dotzenroth, Montreal, Quebec, Canada, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 14, 1950, Serial No. 195,525
In Canada October 12, 1950
3 Claims. (Cl. 36—70)



3. An anti-splash heel having a tread surface comprising transverse ridges, converging grooves extending through said ridges at an angle thereto and towards the inside corner of the heel, said inside corner having a recess therein, said grooves terminating at the inner edge of said recess, and having relatively narrow drip points formed on either side of the converging ends of said grooves.

2,575,753
METHOD OF PRODUCING CHENILLE-LIKE YARN
Boutwell H. Foster, Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 29, 1948, Serial No. 67,877
3 Claims. (Cl. 57—156)

1. The method of producing a chenille-like yarn, which includes the steps of twisting together a relatively non-shrinkable textile yarn and a heat-shrinkable thermoplastic filament that will shrink to a pronounced degree under the action of heat, twisting together in the opposite direction



two of the composite yarns thus formed, and heating to shrink the heat-shrinkable filaments and cause the textile yarns to buckle so as to form successive loops projecting laterally from the filaments.

2,575,754
STABILIZED CALCIUM PHOSPHATE PHOSPHOR
Herman C. Froelich and Joseph M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
No Drawing. Application October 26, 1950, Serial No. 192,363
5 Claims. (Cl. 252—301.4)

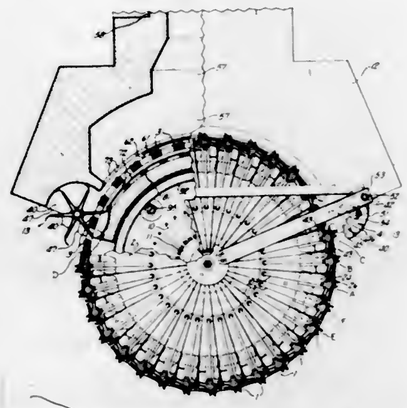
1. A fluorescent composition consisting essentially of calcium orthophosphate and manganese and trivalent cerium in activator proportions and additive metal in the indicated amount relative to the CaO in the phosphor and selected from the group consisting of about .01 to .03 mole ZnO, .10 to .22 mole SrO, .01 to .10 mole BaO and .01 to .02 mole MgO.

2,575,755
ALKALI STABILIZED CALCIUM PHOSPHATE PHOSPHOR
Herman C. Froelich and Joseph M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
No Drawing. Application October 26, 1950, Serial No. 192,364
9 Claims. (Cl. 252—301.4)

1. A fluorescent composition consisting essentially of calcium orthophosphate and manganese and trivalent cerium in activator proportions and an alkali metal in an amount of about .001 to .05 mole alkali oxide per mole CaO in the phosphor.

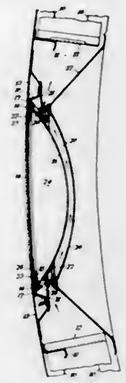
2,575,756
EXHAUST MACHINE
John W. Fulton, Chardon, and Robert A. Kuebler, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application October 21, 1949, Serial No. 122,688
16 Claims. (Cl. 316—31)

1. An exhaust machine for electric lamps or similar devices comprising a head for holding and making a gastight connection to a lamp, a carrier for supporting the head and advancing it to each of a plurality of stations, means connected to the head for effecting evacuation of the lamp at certain of said stations, an oven mounted adjacent the path of movement of said head and including a chamber for receiving the lamp, and air circulating means connecting opposite extremities of the oven in a closed circuit comprising a blower and air heating means for



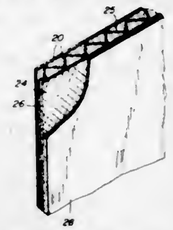
directing a flow of heated air through the said chamber.

2,575,757
WINDOW FOR PRESSURIZED CHAMBERS
Derek James Hardy, Cowes, Isle-of-Wight, England, assignor to Saunders-Roe Limited, Osborne, England
Application January 11, 1950, Serial No. 137,980
In Great Britain January 19, 1949
8 Claims. (Cl. 20—40)



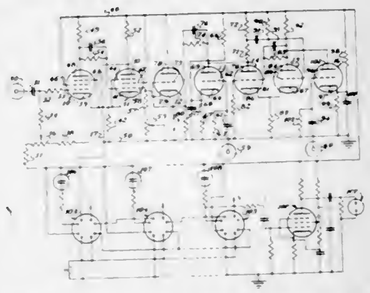
1. A pressurisable aircraft cabin, having a wall and comprising a window opening in said wall, a thin substantially flat outer transparent panel mounted in said opening with its outer surface flush with the outer surface of said wall, a thin domed inner transparent panel, means for supporting said inner panel with its central portion spaced from said outer panel and with its rim free to move, and window sealing means adjacent the rim of said inner panel, said outer panel allowing access of atmospheric air to the space between said panels and said inner panel being held by the excess pressure within the cabin, when said cabin is at altitude, in position to seal said window opening.

2,575,758
FRAMEWORK FOR BUILDINGS
Harry H. Herd, Honolulu, Territory of Hawaii
Application March 1, 1948, Serial No. 12,307
2 Claims. (Cl. 20—4)



1. In a building construction, a wall comprising a plurality of vertically disposed V-shaped elements, means connected to said elements retaining said elements in side-by-side relationship, said means including a plurality of horizontally disposed strips fixed to the apexes of said V-shaped elements, an angle member having one flange disposed at the bottom of said V-shaped elements and having the lower ends of said V-shaped elements disposed thereon, said angle member constituting a means of holding fastening elements for at least partially fastening the wall in place, and sheets of covering material secured to the sides of said elements having said apexes.

2,575,759
COUNTER CHRONOGRAPH
William A. Higinbotham, Upton, and Boyce D. McDaniel, Ithaca, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application February 7, 1949, Serial No. 75,048
1 Claim. (Cl. 175—381)



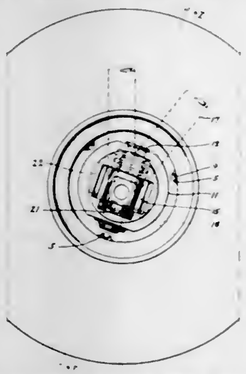
A timing circuit comprising a one-shot multivibrator, an electronic counting circuit, a clamping circuit, and means for deactivating the clamping circuit for an interval determined by the successive occurrence of two input pulses, said one shot multivibrator comprising first and second thermionic tubes each having at least a cathode, a control grid and an anode, means for impressing wave energy of selected frequency on the grid of the first thermionic tube, said clamping tube having at least a cathode, control grid and anode, a load resistor connected to the cathode of the clamping tube and a connection between the clamping tube cathode and the one shot multivibrator second thermionic tube control grid, said means for deactivating the clamping circuit comprising a univibrator having first and second univibrator tubes each having at least

an anode, control grid and cathode, means for impressing a working anode potential on each of the univibrator anodes, a connection between the univibrator first tube anode and the grid of the clamping tube, means for impressing a first input pulse on the univibrator to effect one state of equilibrium in which the said univibrator first tube anode has an elevated positive potential which is impressed on the clamping tube grid to reduce the impedance of the same to a low value to effectively short circuit the grid of the one shot multivibrator second tube and means for impressing a second input pulse on the univibrator to effect a state of lowered positive potential on the univibrator first tube anode to depress the control grid potential of the clamping tube to thereby open circuit the same and activate the one shot multivibrator to generate rectangular pulses in synchronism with the impressed input wave energy, and means coupling the rectangular pulses to the said electronic counting circuit.

2,575,760
PREPARATION OF HEAVY METAL BOROHYDRIDES
Henry R. Hoekstra, Park Forest, and Joseph J. Katz, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application May 17, 1950, Serial No. 162,598
9 Claims. (Cl. 23—17)

6. The process of preparing zirconium borohydride, which comprises reacting under an inert atmosphere sodium-zirconium fluoride with aluminum borohydride.

2,575,761
LOCKING DEVICE FOR CASTERED AIRPLANE MAIN LANDING WHEELS
Oscar W. Loudenslager, Akron, Ohio, assignor to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application March 11, 1948, Serial No. 14,378
1 Claim. (Cl. 244—103)



A cross-wind main landing gear for an airplane including a horizontal transverse axle, a king pin pivotally and slidably positioned in each end of the axle in vertical planes parallel to the longitudinal airplane axis and at an angle with the vertical, a hollow hub fixedly mounted on each king pin and being radially spaced from the axle for allowing the hub castering movement to about 25° on each side of the aforesaid vertical planes, a spring inserted between hub and axle for resilient movement of the axle with respect to the king pin, a wheel rotatably mounted on the hub, a flat low cam seated on the hub concentrically to the king pin, said cam having a pair of symmetrically arranged annular upwardly-facing friction surfaces of concavely-curved contours extending over the 25° castering movement and including a low-depth radial notch at the bottom of each friction surface and having a cross-sectional curvature somewhat sharper than the curvature of said concave surface, and a pair of fixed cam followers extending downwardly from each end of the axle in frictional engagement with and transmitting the full load of the airplane upon the cam when the airplane is on the ground, thereby urging the cam notch from a castered position into alignment with the cam followers and prevent the wheels from castering at parking speed, but permit castering at greater than parking speed.

2,575,762
LADY'S RUBBER OVERSHOE WITH RETAINING STRAP
Charlotte Markell, Bronx, N. Y.
Application December 7, 1948, Serial No. 63,990
3 Claims. (Cl. 36—7.3)



1. In combination, a rubber overshoe comprising completely closed toe and heel sections for snug adaptation of said overshoe upon the shoe and about the heel of the wearer, the topmost portion of the back of said heel portion of said overshoe being provided with spaced vertically disposed slots, a removable rubber strap of a width substantially equal to the length of said slots slidingly inserted through said slots to form means for adjusting the heel conformation of said heel portion of said overshoe, and shiftable snap fastener means for securing the ends of said strap about the ankle of said wearer at a point substantially above the instep of the wearer so that further adjustability of the overshoe to the heel of the wearer may be obtained while effectively preventing the heel portion of the shoe from slipping.

2,575,763
METHOD FOR PRODUCING THERAPEUTIC PRODUCT
Valy Menkin, Philadelphia, Pa.
Application May 21, 1949, Serial No. 94,689
1 Claim. (Cl. 167—74)

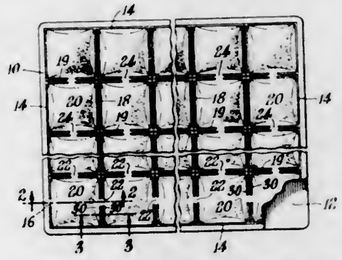
A process for the isolation of a leukocytosis-promoting factor from inflammatory animal exudates which comprises fractionating the exudates with ammonium sulfate to one-third saturation, discarding the resulting precipitate, dialyzing the resulting supernatant liquid until free of sulfate ions, adding ammonium sulfate to one-half saturation, cooling, siphoning off the albumin which is a clear supernatant phase and collecting the unsettled part of the precipitate,

centrifuging the supernatant containing unsettled precipitate and discarding the precipitate



which settles, dialyzing the unsettled precipitate until free of sulfate ions, and drying the dialyzed material in vacuo.

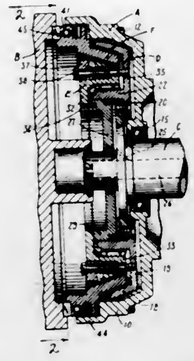
2,575,764
AIR-FILLED UPHOLSTERY AND METHOD OF MANUFACTURE
Hans G. Morner, New York, N. Y.
Application April 10, 1947, Serial No. 740,549
10 Claims. (Cl. 154—85)



5. The process of forming air-filled upholstery units from two sheets of air-impervious, flexible, thermoplastic material, at least one of which is shaped to form air-retaining cells which comprises, sealing the sheets adjacent their edges leaving a vent through which the space between the sheets may be filled, joining the sheets by sealing along other intersecting lines around the margins of the cells, the intersecting lines being interrupted to provide vents by which all of the cells may be filled with air from the first vent, closing the first vent by sealing with all of the cells filled with air and later closing other vents whereby the flow of air from one cell to another is prevented.

2,575,765
FLUID PRESSURE RELEASED CLUTCH
Arthur T. Nabstedt, Hamden, and John O. Berndtson, Short Beach, Conn., assignors to The Snow-Nabstedt Gear Corporation, New Haven, Conn., a corporation of Connecticut
Application April 30, 1947, Serial No. 744,817
6 Claims. (Cl. 192—91)

1. In clutch mechanism, the combination of a generally cup-shaped casing member adapted to serve as a driving member provided with a transverse wall defining the bottom of the cup, the other end of said member being open, a shaft adapted to be driven having an end portion entering said member through said transverse wall, a member closing the opposite end of the casing member and positioning the end of said shaft, said casing member carrying interiorly intermediate of its ends a friction-clutch member projecting inwardly from the periphery of said casing member and angularly rigid with said casing member so as to rotate therewith but shiftable in an axial direction, a second friction-clutch member within said casing member adjacent said transverse wall rigid with said shaft, a third friction-clutch member within said casing member on the opposite side of said first

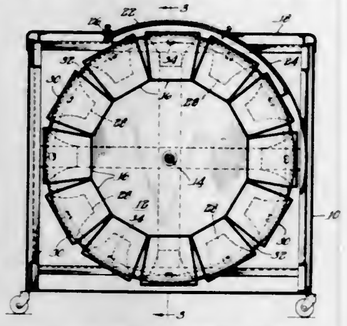


friction-clutch member axially movable to press said first friction-clutch member into engagement with the second, said third friction-clutch member having rigid therewith at the radially inner part thereof an annular piston guided along the end portion of the shaft and operating in a fluid-pressure chamber of annular shape surrounding the end portion of the shaft and in communication with a fluid-supply passage in the shaft, said pressure chamber being formed partly by the shaft and partly by the second friction-clutch member, the second and third friction-clutch members being splined together radially outwardly of said fluid chamber, and springs normally holding the clutch members in the engaged position, said members being disengageable by movement of said piston under fluid pressure.

2,575,766
ROTARY FILE
Clarence O. Olson, Chicago, Ill., assignor to Spin-Dex, Inc., Chicago, Ill., a corporation of Illinois
Application May 7, 1947, Serial No. 746,481
10 Claims. (Cl. 45—3)

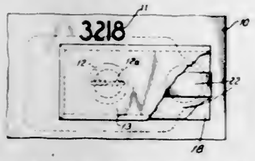
1. A rotary file comprising a rotatable drum formed with a series of filing compartments arranged around the periphery thereof, stationary means defining a file-transfer position with respect to said drum, a series of file retainers carried by said drum and respectively associated with said compartments, each of said retainers including resilient means normally urging the retainer into a closed position, and stationary cam means constantly cooperating with said retainers

but bearing thereon only proximate to said file-transfer position to move each retainer into its



open position as the respective filing compartment is disposed in file-transfer position.

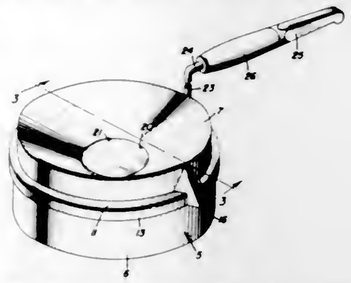
2,575,767
SAFE DEPOSIT BOX IDENTIFYING MEANS
William R. Parvin, New York, N. Y.
Application June 4, 1948, Serial No. 31,192
3 Claims. (Cl. 40—10)



1. An identification device adapted for application to the key receiving means of a safe deposit box door for concealing a comparison signature when the device is on the door and for immediately displaying the signature upon removal of the device from the door and upon mere reversal of the device, said device comprising a frame with marginal edge portions on an opaque back portion and open at one end to slidably receive a signature card, a signature card in the frame with a signature presenting surface directly and immediately visible when inspected with the device removed from the door and reversed and with the signature facing the door and concealed when the device is mounted in said key receiving means, and engaging means with portions underlying the signature card and other portions extending through the card and extending perpendicularly beyond the signature presenting surface of the card for engagement with the key receiving means of the door, said extending portions providing engaging means for removably retaining the device on the door and for thus concealing the signature while affording manual removal of the device from the door for subsequent reversal and for immediate signature inspection.

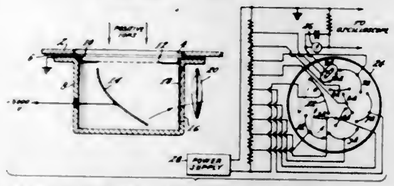
2,575,768
SKIMMER
Harold C. Pearsall, Houston, Tex.
Application May 27, 1949, Serial No. 95,756
5 Claims. (Cl. 210—51)

1. A grease skimmer comprising a two-part chamber adapted for placing in a covering position on a cooking vessel and including a top section and a bottom section, means locking the sections to each other, an inverted funnel shaped bottom in the bottom section into which grease on the surface of liquid in the cooking vessel



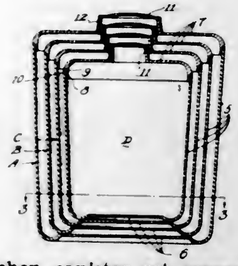
enters by a fountain action when the chamber is forced downwardly into the liquid, and a pouring spout for the top section.

2,575,769
DETECTION OF IONS
Jan A. Rajchman and Paul K. Weimer, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 30, 1948, Serial No. 52,076
9 Claims. (Cl. 250—71)



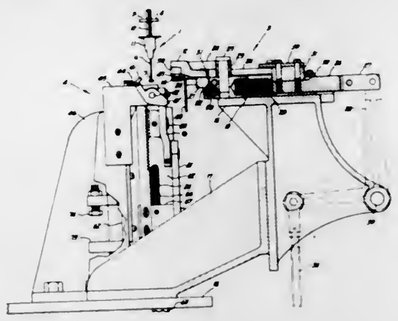
1. Apparatus for detecting and measuring ion space currents produced in a partially evacuated chamber comprising means responsive to said ion space currents for producing corresponding electron space currents, means positioned in the path of said electron currents for converting said electron currents into corresponding amounts of light energy, photoelectric means positioned in the path of said light energy for detecting said light energy and producing corresponding amounts of electrical energy, and means for indicating the amounts of said electrical energy.

2,575,770
NESTING KITCHEN CANISTER SET
Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products, Inc., Columbus, Ohio, a corporation of Ohio
Application October 18, 1950, Serial No. 190,703
2 Claims. (Cl. 220—97)



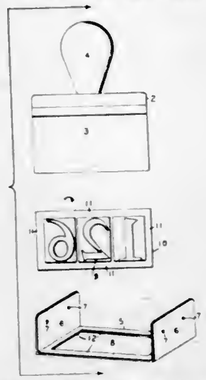
1. A kitchen canister set comprising a plurality of nested separable receptacles, said receptacles progressively increasing in size with each receptacle outwardly of the smallest receptacle enclosing all receptacles inwardly thereof, each said receptacle including a displaceable lid, each said lid having a knob extending exteriorly thereof, said knobs respectively increasing progressively in size from the smallest receptacle outwardly and said knobs interfitting one within the other when said receptacles with their covers thereon are nested one within the other and maintaining the receptacles nested against undue movement relative to each other.

2,575,771
MOUNT RESHAPING APPARATUS
Arthur Page Russell, Maple Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 1, 1949, Serial No. 84,827
7 Claims. (Cl. 140—71.6)



1. Apparatus for reshaping a mount having approximately parallel lead-in wires with a coiled cathode extending laterally across the ends thereof comprising the combination of means to support said mount and carry it along a definite path to a plurality of work stations; bending mechanism at one of said work stations comprising a bending anvil, cooperating bending fingers movable toward and away from the anvil from opposite sides, means to support and advance the bending anvil and fingers to and from an operative position at said work station to arrange the anvil between end portions of the lead-in wires of the mount and the bending fingers on opposite sides thereof, means for actuating the bending fingers to cause the said end portions of the lead-in wires to be pressed against and bent over a portion of the anvil so that said end portions extend toward each other; curling mechanism at a second station comprising a rotatable curling spindle having respectively axially and eccentrically projecting pin portions at one end thereof, means to support and advance said spindle to and from an operative position wherein the end thereof is located adjacent a mid-portion of one lead-in wire of the mount, means for rotating the spindle to cause the eccentric pin to curl and double over one portion of the lead-in wire about the axial pin to cause the said cathode to extend in substantially the same direction as the parallel portions of said lead-in wires; and means to effect the actuation of said mechanisms in proper synchronism.

2,575,772
RUBBER STAMP
Eugene Schenker, Orlando, Fla.
Application July 28, 1949, Serial No. 107,179
1 Claim. (Cl. 101—368)



A rubber hand stamp comprising a rectangular block having corners and a handle thereon, a die frame having a rectangular opening in the central portion thereof, said frame having right angular portions and corners formed at the junction of said portions and the central portion of said frame, said portions being adapted to lie closely against the end faces of the block, said last named corners closely engaging the corners of said block, said die frame central portion including framing ledge portions, a die having a flange closely underlying said die frame ledge portions and extending to said right angular portions and having corners closely engaging the corners of said frame, a sponge rubber cushion located between said block and said die, said cushion extending to said right angular portions and being of the same width and length as said die, a printing strip having a plurality of separated printing characters, said characters being raised and extending beyond the central portion of said frame, said strip being mounted on said die, said printing strip being entirely surrounded by said die flange and said framing edge portions of said die frame, and a plurality of tack openings in each of said right angular portions, said die and the flange each being provided with four corners for engagement with said die frame opening corners and the said corners of said angular portions respectively, whereby the corners of said die and the corners of said die flange, by engagement of the corners of the die frame opening with the corners of the angular portions thereof, prevent rotation between the die and the die frame, and whereby the engagement of the corners of the angular portions of the die frame with the corners of the rectangular block prevent rotation between the die frame and block, the engagement of the corners of the rubber cushions and the corners of the angular portions of the die frame preventing rotation of the said sponge rubber cushion with relation to said frame and said block.

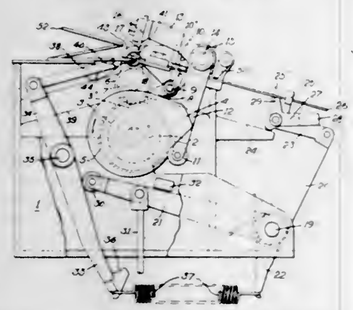
2,575,773
CONVERTIBLE SEAT FOR AUTOMOBILES OR OTHER VEHICLES
Nicole E. Simoneaux, New Orleans, La.
Application July 1, 1947, Serial No. 758,379
4 Claims. (Cl. 155—7)

1. In a convertible seat for vehicles, parallel base members, curved supports disposed at the

rear of said base members, brace members for said base members extending downwardly therefrom and slidably engaging the floor of the vehicle, side rails attached to said base members and extending rearwardly therefrom, an adjustable brace member for said side rails slidably engaging said side rails at its upper extremities and affixed to the vehicle floor at its lower extremity, female ferrules affixed to the rear extremities of said side rails and extending horizontally with respect thereto, a back frame support mounted on the rearward extremity of said base members, female ferrules affixed to said back frame support and maintained thereby in a substantially vertical position, a back frame for said seat, male ferrules affixed at the lower extremities of said back frame and seating in said upright ferrules and adapted to seat in the side rail ferrules whereby said seat may be converted to horizontal position.

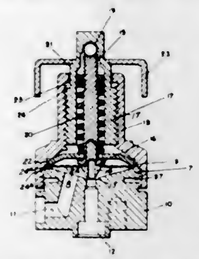


2,575,774
APPARATUS FOR CONNECTING COIL SPRINGS
Julius Spühl, Saint Gallen, Switzerland
Application December 18, 1947, Serial No. 792,538
In Switzerland August 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 10, 1963
3 Claims. (Cl. 140—11)



1. Apparatus for joining the end rings of helical springs to the frame of spring boxes for the manufacture of upholstered articles, comprising a rotatable wire winding member adapted to receive parts of said frame and said ring, clamping means for non-rotatably holding said frame and said ring with their parts to be joined lying in juxtaposition inside said rotatable wire winding member, feeding means for feeding a binding wire piecemeal to said wire winding member from a wire stock, means for rotating said wire winding member, said member thereby winding the wire piece fed thereto in screw-like convolutions around said frame and ring parts inserted therein, second clamping means for firmly gripping the wire behind the end piece thereof fed to said winding member, and cutting means for severing said wound wire piece from the wire stock, said cutting means having a stationary knife and a movable knife cooperating therewith, said movable knife being provided at its side opposite said winding member with a hollow shoulder fitting the contour of the windings, said shoulder pressing the cut-off end of said wire piece against the joined parts upon the operation of said movable knife.

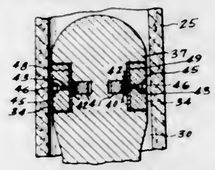
2,575,775
DIAPHRAGM VALVE
Wilbur O. Teeters, Norwood, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application September 4, 1945, Serial No. 614,404
4 Claims. (Cl. 251—31)



1. A valve comprising an exteriorly threaded base having inlet and outlet passages therethrough and having an annular seat for a membrane and a conical surface proceeding therefrom terminating in a valve seat at the end of one of said passages, a housing threaded on the base and having an annular seat for a limit plate and a conical surface proceeding therefrom terminating in an internally screw-threaded cylinder having an internal limiting flange at its end, a subassembly for the interior of the assembled base and housing comprising a spindle having a screw-threaded end terminating in a seat for a ball bearing and having a hollow end with an outstanding flange, a hollow pointed valve element mounted in the hollow end of the spindle, a limit plate and a diaphragm gripped at their edges by the said annular seats and spaced apart at their centers of which that of the diaphragm is held between the spindle flange and the valve point, an adjustable spring mounted between the limit plate and a nut on the screw-threaded end of the spindle, and means to adjust the valve comprising a bonnet screw-threaded in the housing and bearing upon the spindle through a ball mounted in the terminal seat thereof.

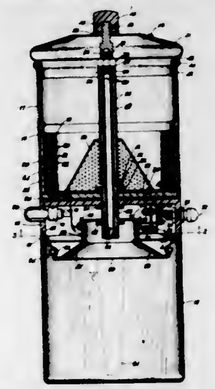
2,575,776
CENTRIFUGAL CLUTCH FOR SPINDLES
Chalmers H. White, Greensboro, N. C.
Application March 22, 1950, Serial No. 151,063
1 Claim. (Cl. 242—46.5)

An improvement in a centrifugal clutch for a spindle having a blade adapted to carry bobbins for spinning frames and the like, said clutch characterized by said blade having a reduced portion intermediate its ends defining a circumferential groove and having a plurality of circularly arranged segmental clutch shoes slidably mounted in the circumferential groove and also having resilient means normally urging the segmental clutch members towards the axis of the spindle, said improvement comprising a corresponding pin for each of the segmental clutch members mounted for radial sliding movement in the reduced portion of the blade, a relatively



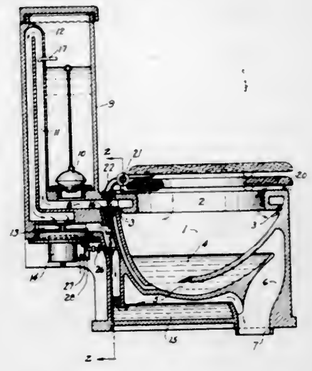
thin annular band secured to the periphery of said reduced portion, each of said pins having a reduced outer end portion slidably penetrating said band and means securing the segmental members to the reduced outer end portions of the corresponding pins whereby rotation of the spindle will cause the segmental members to move outwardly and frictionally engage the interior surface of the bobbin to thereby impart like rotation to the bobbin from the blade.

2,575,777
COMBINATION AUTOMATIC AND PRESSURE DRIP COFFEE MAKER
Albert C. Wilcox, Chicago, Ill.
Application December 13, 1947, Serial No. 791,601
6 Claims. (Cl. 99—281)



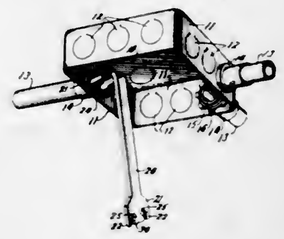
1. An automatic pressure coffee maker comprising an upper container, a cover therefor, a double bleeder tube comprising an inner tube extending from a point near the top of the container through the bottom thereof and having an opening at its upper end and a laterally disposed opening at its lower end and an outer tube spaced from the inner tube and closed at its upper end and terminating near the bottom of the container, an inverted cup-shape shell surrounding the lower portion of the inner tube, a curved bi-metal strip having one end connected to the shell and normally contacting the exterior of the shell throughout its entire length, a heating unit associated with the container, a circuit to the heating unit, a switch in the circuit located to be opened by the bi-metal strip and a lower receptacle.

2,575,778
VENTILATED TOILET
Theodore R. Wilson, Seattle, Wash.
Application August 21, 1945, Serial No. 611,755
2 Claims. (Cl. 4—213)



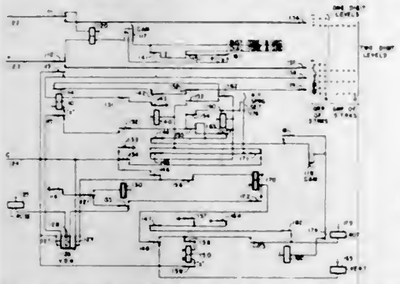
1. A toilet, having: a water supply tank and a toilet bowl, a water inlet conduit connecting said tank and bowl, an outlet conduit from said bowl, an outlet trap in the entrance of said outlet conduit, an air duct connecting said inlet conduit with said outlet conduit between said outlet trap and the exit of said outlet conduit, said duct having a rising and a descending portion thereof above the normal level of the water in said tank, formed in said rising portion a vent communicating with said tank, a water trap in said duct, a fan in said duct between said descending portion and said water trap, and below said water inlet, and a by-pass drain around said fan and between said inlet conduit and said water trap for supplying water to said water trap; whereby said fan may take air from said inlet duct and discharge such into said outlet duct.

2,575,779
ELECTRICIAN'S WRENCH AND REAMER
Pierre W. Young, Glenview, Ill.
Application March 25, 1950, Serial No. 151,849
4 Claims. (Cl. 7—14.1)



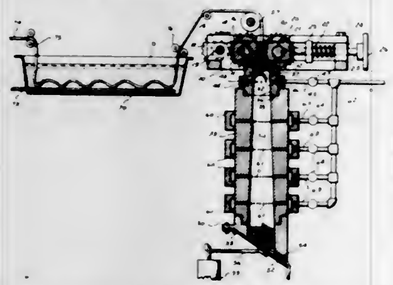
1. In a combined wrench and reamer, a head having a pair of laterally spaced openings open to one end of the head, a cutting edge at the base of each opening, a pair of prongs each projecting endwise beyond one of said edges for cooperating to straddle a nipple and a nut thereon and engage projections on the nut, and a centering projection between the prongs adapted to enter the nipple and guide the head thereon.

2,575,780
COMBINATION ONE- AND TWO-DIGIT SELECTOR SWITCHES
Harvey W. Balzer, Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 27, 1947, Serial No. 782,420
8 Claims. (Cl. 179—18)



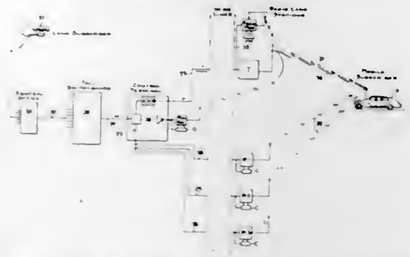
1. In a telephone system, a group of switches, a group of trunks accessible to said switches, means for causing any one of said switches to select the last trunk of said trunk group, a relay operated in response to the selection of said last trunk by one of said switches, means for locking said operated relay when said one switch selects said last trunk at a time said last trunk is in a busy position, and means responsive to the locking of said operated relay for preventing further selective action of said one switch and for causing busy tone to be connected to said one switch.

2,575,781
METHOD OF CRIMPING TEXTILE FIBERS
Joseph L. Barach, Montclair, N. J., assignor to Alexander Smith, Incorporated, a corporation of New York
Application October 14, 1949, Serial No. 121,440
4 Claims. (Cl. 19—66)



1. The method of imparting an artificial crimp to textile fibers, which comprises passing said fibers through a zone containing a heated fluid and moisture, maintaining the fibers in said zone for a time to presoften the fibers for crimping, gripping said fibers between closely spaced conveyor surfaces discharging into a substantially closed zone, and forcing the gripped fibers into said zone against the pressure of a mass of fibers held compacted under pressure in said zone, said pressure being adapted to cause the fibers to be progressively folded over and crimped as they are delivered from said conveyor surfaces, holding the mass of crimped fibers compacted under a substantially constant pressure to retain the crimp therein, introducing a setting agent under pressure into said zone, treating the mass while thus compacted with said setting agent under conditions to produce a permanent set of said crimp in said fibers, and withdrawing the crimped fibers from said zone.

2,575,782
CONTROL TERMINAL FOR MOBILE RADIO TELEPHONE
Everhard H. B. Bartelink, Bronxville, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 18, 1948, Serial No. 66,010
17 Claims. (Cl. 250—6)



1. In a carrier current communication system: a carrier current receiver including a receiver relay responsive to incoming carrier; a carrier current transmitter including a power relay for switching on outgoing carrier; a control terminal remote from said transmitter and receiver, and metallic circuits connecting the same with said receiver and transmitter respectively, said control terminal including a line relay and a transmitter relay; means responsive to carrier current incoming to said receiver and including said receiver and line relays, for energizing a line lamp; means including a manually actuated switching means for energizing said transmitter relay; means responsive to energization of said transmitter relay for energizing said power relay to switch on carrier outgoing from said transmitter and for releasing said line relay to extinguish said line lamp; a dial tone oscillator including a dialing relay; a vibrating relay, a slow-release relay, a transfer relay and a dialing device; means including said manual switching means and contacts of said line relay for energizing said vibrating and slow-release relays; means responsive to energization of said slow-release relay for energizing said transfer relay to connect said dial tone oscillator to said transmitter circuit; and means including said dialing device and a pulsing relay for thereafter energizing said dialing relay in accordance with dialing pulses.

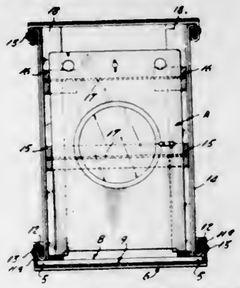
2,575,783
BEADED MOCK WELTING FOR McKAY TYPE FOOTWEAR
Charles F. Batchelder, Jr., Milton, and Lothrop Withington, Jr., Brookline, Mass., assignors to Wright-Batchelder Corporation, Boston, Mass., a corporation of Massachusetts
Application June 30, 1950, Serial No. 171,286
1 Claim. (Cl. 36—78)

A resilient beaded mock welt of the kind described for use in making McKay type footwear, comprising a tapered stitch-receiving body portion and a seam-filling bead portion formed substantially at right angles to said body portion and having a convex exterior surface and a concave interior surface said surfaces being substantially parallel throughout the medial portion of their respective arcs, the upper end of said convex surface merging with the top of said concave surface constituting an inturned ridge,



and the lower end of said convex surface depending slightly below the bottom of said body portion to provide a leverage rib to force the inturned top ridge in pressured contact with the upper of a shoe to which the beaded mock welt is attached.

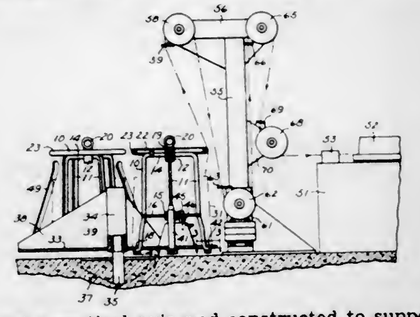
2,575,784
SHIPPING CONTAINER
Martin Baumann, Chicago, Ill., assignor to International Paper Company, New York, N. Y., a corporation of New York
Application April 15, 1949, Serial No. 87,670
3 Claims. (Cl. 206—46)



1. A shipping package formed from paperboard and comprising an article-carrying skid, an article mounted on said skid, and a carton surrounding said skid and said article and including side and end walls and top and bottom closures, the lower edge portions of said side and end walls being reverse-folded outwardly to provide closure-locking flanges and being positioned on top of said skid adjacent the edges thereof, said bottom closure consisting of a pair of generally rectangular sheets of paperboard disposed in superposed relation with their longer dimensions at right angles to each other and having end portions extending outwardly beyond the planes of the respectively associated side and end walls and skid edges and folded into interlocking engagement with the said reverse-folded edge portions of said side and end walls whereby the said bottom closure and the lower edge portions of said side and end walls together define an internally-disposed groove encompassing edge portions of said skid, and means to hold all of said interlocking end portions in interlocked relation.

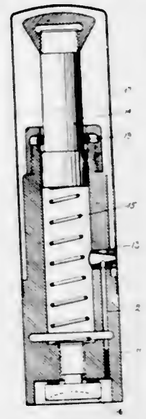
2,575,785
WIRE HANDLING APPARATUS
Phineas A. Beaman and John R. North, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application September 18, 1946, Serial No. 697,738
5 Claims. (Cl. 242—80)

1. Wire handling apparatus comprising a device including a plurality of upright legs connected to one another and having outwardly projecting feet on their lower ends, the device being adapted to be mounted on the finishing block of a wire-drawing machine to receive a bundle of wire and to strip the bundle upwardly from the block, means at the upper end of the device to guide wire in a circular path about the legs as the wire is withdrawn upwardly from the upper portion of the bundle, a horizontal substantially circular plate mounted for rotation



about a vertical axis and constructed to support the device at any one of a plurality of stations spaced about the axis of the plate, whereby the loaded device may be placed upon the plate at one of said stations and subsequently moved to a predetermined pay-off position by turning the plate, and wire withdrawing means at one side of the plate and including wire guide means projecting over the loaded device when the latter is in the pay-off position to guide the wire traveling upwardly from the device.

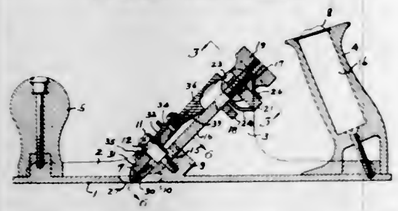
2,575,786
ATOMIZER
Jules Belinkine, New York, N. Y.
Application January 20, 1948, Serial No. 3,232
1 Claim. (Cl. 299—88)



In an atomizer, a tubular casing having a central longitudinal passage formed therein, closure means for the lower end of said passage, a piston in said passage having a piston rod extending through the upper end of said passage, a knob detachably secured on the outer end of said rod, packing means in said upper end engaging said rod, spring means urging said piston toward said upper end, a chamber formed in said casing, ad-

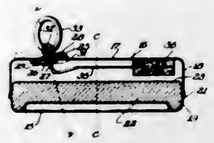
jacent to said closure means and communicating with said passage, a radial insert set into the wall of said casing intermediate the ends thereof, a frustro-conical passage formed in said insert with its base communicating with said passage, a second longitudinal passage formed in said casing parallel to and spaced apart from said first longitudinal passage and communicating with both said chamber and said frustro-conical passage; said casing having a portion, from its upper end down to a point below said insert, of reduced diameter and terminating on a shoulder; and a closure cap enclosing said knob, said portion of reduced diameter and said insert, and abutting said shoulder.

2,575,787
PLANE
Nickolaus Binger, Pittsburgh, Pa.
Application April 30, 1948, Serial No. 24,147
1 Claim. (Cl. 145—14)



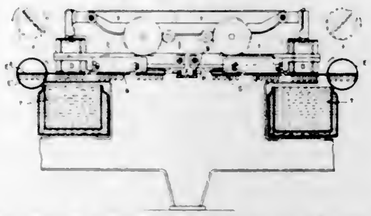
A plane of the class described, comprising the combination of a plane bottom provided with a pair of side walls and with a transversely extending mouth, a rearwardly inclined frog block disposed on said bottom, a clamping bolt fixed in said block and being provided with an annular groove adjacent to the free end thereof, an adjusting plate having slidable interengagement with said block and being provided with an opening for the passage of said bolt, a relatively short cutting blade removably mounted on the forward end of said adjusting blade and projecting through said mouth, a rectangularly shaped shank joined with said adjusting plate and extending rearwardly from the latter, a stem provided with screw threads formed at the rear end of said shank, a self-adjusting bearing plate pivotally connected between said side walls and being provided with a U-shaped recess, an adjusting nut revolubly engaged on said stem, said adjusting nut formed with an annular groove engaging the walls of said recess and being operable for adjusting said adjusting plate with said blade, a cross bar carried by said side walls for supporting the rear end of said shank, a yoke element carried by said bearing plate and including a recess for receiving the rear end of said shank to eliminate the tendency of said adjusting plate to turn during the adjustment of said adjusting plate by the rotation of said adjusting nut, a clamping plate removably mounted on said adjusting plate and being provided with an opening for the passage on said bolt, a latching element pivotally connected with said clamping plate and engageable in said groove in said bolt for locking said clamping plate on said adjusting plate, a clamping cam pivotally connected with said clamping plate operable for securing said adjusting plate and said blade in the adjusted positions, a graduated dial scale formed on the outer face of said bearing plate, and a laterally projecting indicator fixed in said adjusting nut and cooperating with said dial scale for facilitating the adjustments of said adjusting plate with said blade.

2,575,788
EXTENSIBLE AND RETRACTABLE IMPLEMENT AND CONTAINER THEREFOR
Samuel H. Bobrov, Chicago, Ill.
Application March 15, 1946, Serial No. 654,777
3 Claims. (Cl. 15—258)



1. In an apparatus of the class described, the combination with a container, of a cover therefor, pivot means carried by said cover with the rotatable axis offset from the center of the cover and passing obliquely through said cover and inclined downwardly and inwardly relatively to said center, an arm carried by said pivot means on the underside of said cover and having a utility device supported upon said arm, said utility device and arm being rotatable about said pivot axis, the arm extending from the pivot means at such an angle and the pivot axis inclination being such that said arm and utility device may be disposed against the cover in one position and rotated from said one position outwardly away from the cover plane and outside of the border of the cover.

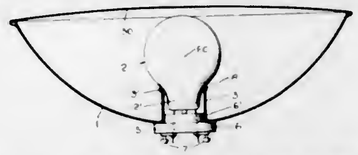
2,575,789
PROCESS AND APPARATUS FOR MANUFACTURING CAPSULES
Herman H. Bogin, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
Application November 15, 1948, Serial No. 60,006
7 Claims. (Cl. 18—25)



2. Process for the manufacture of a hard-shell enteric capsule which comprises mixing an aqueous solution of gelatin and an aqueous solution of an alkali metal salt of cellulose acetate phthalate to obtain a viscous homogeneous aqueous solution, forming a portion of said viscous solution by means of a mold into the shape of one-half a capsule at a temperature of over about 100° F., cooling the material at a temperature of less than 65° F., drying the capsule half with dehumidified air and joining said capsule half with another similar capsule half having a diameter such that the two units telescope into one another.

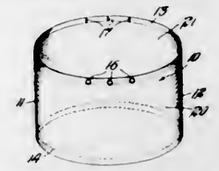
2,575,790
PROJECTOR UNIT
Reginald K. Braunsdorff, East Orange, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application December 30, 1949, Serial No. 135,967
6 Claims. (Cl. 313—113)

1. A sealed projector lamp unit comprising a reflector having a tubular extension formed symmetrically about the axis thereof, a baseless miniature incandescent lamp bulb hermetically sealed and firmly secured to said extension at the meeting area of said bulb and extension and external electrical connecting means for said unit having at least one of the lead wires of the miniature



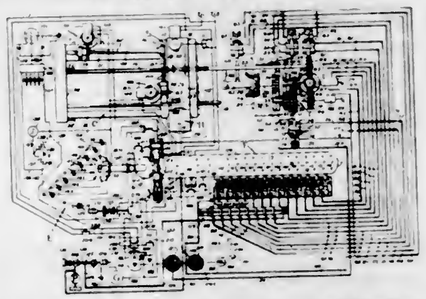
bulb leading directly from the bulb to said electrical connecting means, said extension and bulb being coordinated to bring the bulb filament in the vicinity of the focal point of the reflector when the bulb is in contacting relationship with the extension.

2,575,791
BLOUSE TYPE GARMENT
Phoebe M. Brown, New York, N. Y.
Application December 29, 1950, Serial No. 203,249
10 Claims. (Cl. 2—106)



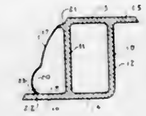
1. A blouse comprising a tubular section of fabric material having an open bottom end and a normally open top end and adapted to encircle the body, and cooperating releasable fastening means on diametrically opposed portions of the upper edge of the tubular section for securing together said portions, the unsecured portions of said upper edge providing arm openings.

2,575,792
CONTROL MECHANISM
Robinson D. Bullard, Greens Farms, and John H. Sherwood and Paul M. Geist, Fairfield, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application August 26, 1944, Serial No. 551,328
24 Claims. (Cl. 192—142)



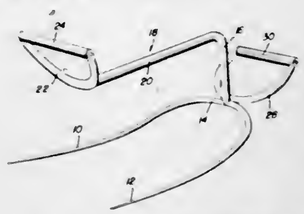
1. Apparatus comprising in combination, a member; means for moving said member in either direction at any one of a plurality of speeds along a path; means for selecting the direction and speed of said member for successive movements along said path within a cycle of operation; an electrical bridge circuit adapted to be balanced when said member arrives at a pre-determined point in its path of travel; and means rendered effective upon the balancing of said bridge circuit for causing said selecting means to select a succeeding direction and speed of said member.

2,575,793
WEATHERSTRIP MEANS
Alfred Bush, Brooklyn, N. Y.
Application May 27, 1947, Serial No. 750,725
2 Claims. (Cl. 29—148)



2. The method of forming tubular metal rails for a closure such as a window, door or the like with integrally formed thin weatherstrip members which are joined along one edge thereof to the rail and which is arranged to yieldingly engage the inner surfaces of the frame in which the closure is mounted when the closure is in closed position, which method consists in extruding the metal from which the rail is formed with the opposed edges of the weatherstrip member integrally joined to the inner and outer walls of the rail and then fracturing the member adjacent one of such walls.

2,575,794
BALED HAYFORK
Arthur R. Chauncey, Owego, N. Y.
Application April 27, 1949, Serial No. 89,998
1 Claim. (Cl. 294—49)

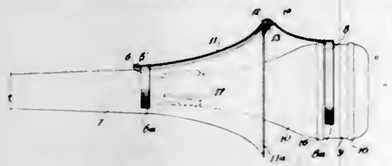


A fork for baled hay comprising elongated tines interconnected by a web, an L-shaped stock having its shorter leg secured to the web and its longer leg overlying the greater length of said tines, said longer leg being located between the tines and extending in the direction of the pointed ends of said tines, a handle on the free end of said longer leg and inclined upwardly therefrom, and a second handle secured to the shorter leg adjacent the web and inclined upwardly of the web.

2,575,795
SUPPORT FOR HORN MUTES
Leonard Chenava, McAdoo, Pa.
Application November 14, 1949, Serial No. 127,146
5 Claims. (Cl. 84—400)

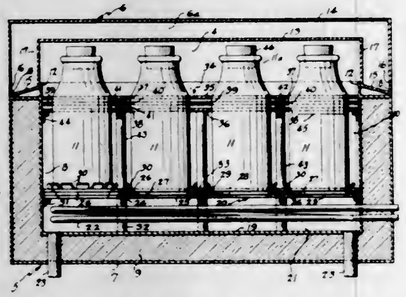
1. A device for supporting a mute in the bell of a horn comprising a yoke adapted to embrace the bell, a yoke adapted to embrace and hold the mute, and an elongated member connecting said yokes, said member being provided with a supporting yoke adapted to embrace the rim of

the bell which latter yoke is adjustable on the rim in a direction generally transverse of the axis



of the bell upon longitudinal movement of the bell yoke.

2,575,796
REFRIGERATING CABINET FOR MILK SAMPLES
Stanley Conklin, Cobleskill, N. Y.
Application August 20, 1948, Serial No. 45,307
11 Claims. (Cl. 62—141)



1. A refrigerating cabinet for milk samples comprising a body including heat insulated walls forming a chamber for bottles containing said samples and open at the top, upper and lower vertically spaced partitions across said chamber forming a heat insulated chamber between them with the lower partition spaced above the bottom of the chamber forming a refrigerating space therewith, said lower partition comprising a heat insulating gasket, a lower plate supporting the gasket and an upper protective plate on the gasket, said plates and gasket being provided with aligned openings therethrough, the openings in the gasket being of somewhat less diameter than the bottom ends of the bottles so that the bottles can be supported thereon and exposed directly to the refrigerating chamber through said opening, the openings in the upper plate being of a size to receive the lower ends of the bottles and provided with upwardly flared guiding means at their rims to guide the lower ends of the bottles into these openings and retain them in position over the openings in the gasket, and the upper partition including a heat insulating gasket provided with openings arranged to closely embace the bottles just below their necks so that these necks with their stoppers are located above this partition.

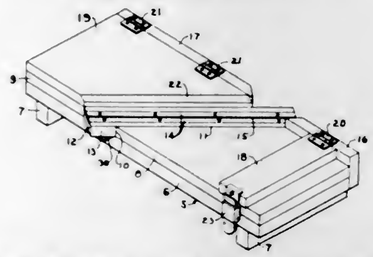
2,575,797
FISH LURE
Peter Paul Corsi, North Arlington, N. J.
Application January 6, 1950, Serial No. 137,095
3 Claims. (Cl. 43—42.39)

1. A fish lure for casting comprising a substantially streamlined body formed from a buoyant material, said body being symmetrical in plan view and unsymmetrical in side view, the upper surface forming a reverse curve along the central vertical plane with the rear portion curving concavely downwardly and of greater width than the forward portion, the lower surface of said body having an arcuate shape extending upwardly in the front third thereof to meet said upper surface, hook members extending rearwardly substantially continuous with said arcuate lower surface upwardly and over a portion



of said upper surface, resilient weed deflecting means connected to said body on the upper surface at the point where said surface starts curving concavely downward and extending rearwardly over and about each of said hook members to conceal the barb portions thereof, and said body having a greater portion of the weight thereof disposed in the lower portion to allow said lure to assume an upright position when cast.

2,575,798
CUTTING AND SPLICING APPARATUS
William D. Dain, Bellevue, Mich.
Application July 25, 1950, Serial No. 175,785
9 Claims. (Cl. 154—42)

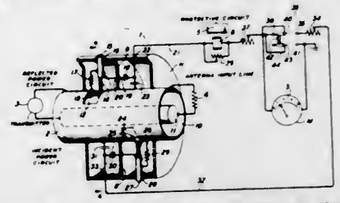


1. A belt splicing device comprising a base, an upwardly projecting backstop means extending in line along the rear portion of said base for lining up the side edges of the ends of said belt during the splicing of same, two belt clamping members spaced apart longitudinally of said base, and means mounting said clamping members for movement into and out of belt-clamping relation with said base, said base having means for positioning either a knife guide or a belt end clamp between said two clamping members.

2,575,799
HIGH-FREQUENCY POWER AND IMPEDANCE MONITOR
William H. Doherty, Summit, John F. Morrison, Boonton, and Elmer L. Younker, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1948, Serial No. 29,588
8 Claims. (Cl. 171—95)

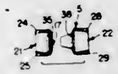
1. In a high frequency transmission system having a transmitter adapted to deliver high

frequency energy over a coaxial transmission line to a load circuit, a monitor inserted in said coaxial line and comprising a shielded enclosure surrounding a portion of the coaxial line and containing in combination two bridged-T networks connected in a back-to-back manner, each of said networks having a resistor in one series arm, a rectifier in the other series arm, and a



capacitance in the shunt arm, both of the series arms in each network being bridged by an inductance, each of said inductances being constituted by a separate slot in the outer conductor of the coaxial line, and each of said capacitances being formed by a capacitor plate inserted through its associated inductive slot into proximity with the inner conductor of said coaxial line.

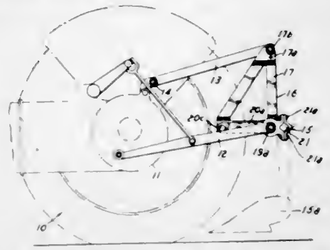
2,575,800
MEANS FOR APPLYING MATRIX STRIPS
La Verne B. Eicher, Washington, Iowa
Application April 15, 1950, Serial No. 156,079
15 Claims. (Cl. 32—63)



1. Means for closing and locking a looped matrix strip about a tooth receiving dental treatment, comprising a tool having closable jaws and a pair of members adapted to receive the ends of a matrix strip therebetween and to be placed transversely of the ends of said strip, each of said members having resilient jaw-engaging means for releasably holding said members on said closable jaws to facilitate clamping the ends of said strip between said members, and means actuated by the closing of said jaws for locking said members to each other, said resilient means providing for the removal of said jaws from said members after the latter have been locked together.

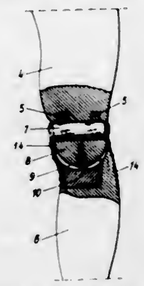
2,575,801
IMPLEMENT HITCH FOR TOOL BAR IMPLEMENTS
Thomas Evans, Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company, a corporation of Minnesota
Application June 8, 1950, Serial No. 166,841
13 Claims. (Cl. 97—50)

8. A tool bar implement hitch for use with a tractor having a pair of laterally spaced power lifted trailing draft links and a central top link, comprising a pair of upstanding frame elements having laterally spaced bottom portions and top portions inclined toward each other to define a mounting bracket to receive the tractor top link, a pair of longitudinally spaced rods rigidly interconnecting the bottom portions of said frame elements, each of said rods having ends projecting laterally beyond said frame elements, a pair of tool bar supports each having an elongated body portion and tool bar securing means at one end, said body portions each having a pair of apertures therein for respectively receiving the rod ends projecting beyond one of said frame elements, the projecting ends of one of said rods being constructed and arranged for connection



to the tractor hitch links, and a transverse tool bar rigidly secured to said securing means on said tool bar supports, thereby anchoring said tool bar supports against lateral displacement relative to said rods.

2,575,802
KNEE JOINT OF ARTIFICIAL LEGS
Jürgen Fischer and Paul Richard Kluge, Hamburg, Germany
Application May 31, 1950, Serial No. 165,154
In Germany October 1, 1948
4 Claims. (Cl. 3—2)

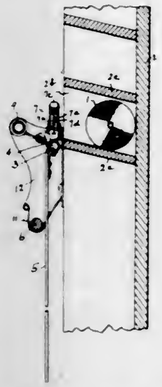


1. A knee-joint for artificial legs comprising an upper and a lower leg section, said upper leg section having a downwardly extending spherical projection and said lower leg section a correspondingly shaped recess for coaction with said projection, said upper leg section being provided with a cavity, a socket vertically movably located in said cavity and resiliently supported therein, a transverse pin pivotally connecting said leg sections and carried by said movable socket, said spherical projection being provided with a downwardly expanding wedge-shaped recess, a correspondingly shaped projection on said lower leg section and extending into said recess, said projection and said recess adapted to form braking faces upon their mutual approachment by a load exerted upon the foot, said braking faces being inclined relative to the direction of the load.

2,575,803
DISPENSING MACHINE
Samuel Frank, Houston, Tex.
Application March 23, 1946, Serial No. 656,755
2 Claims. (Cl. 164—73)

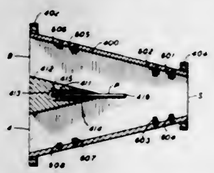
1. A dispensing machine comprising, a cabinet having a transverse shelf to support a roll of oil cloth or other sheet-like material, spaced brackets secured to the ends of the cabinet

and which project forwardly therefrom and whose lower ends are formed into inside, transversely aligned retainers, a receiving roller for the dispensed material whose ends are mounted in said retainers, a dispensing tube whose ends are anchored to said brackets and over which the material to be dispensed is fed, said tube having a longitudinal slot across which the material passes, a gripping device mounted on the



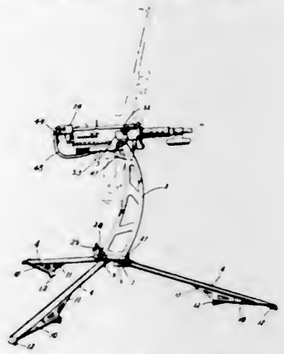
tube adjacent the slot and arranged to be brought into gripping relation with the material to grip and retain the unwound material between said device and tube, a transverse rod whose ends are anchored to the respective brackets in front of, and spaced from, said tube, a knife mounted to slide lengthwise along said rod and having a blade which projects into the slot of said tube and which is adapted to sever the unwound material.

2,575,804
MICROWAVE HYBRID JUNCTION
Harald T. Friis, Rumson, Willard D. Lewis, Little Silver, and Le Roy C. Tillotson, Holmdel, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1947, Serial No. 789,850
5 Claims. (Cl. 178—44)



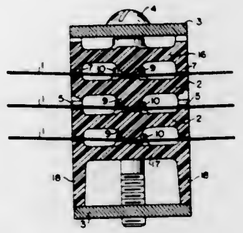
1. An E-plane wave guide junction for use in the transmission of high frequency electromagnetic wave energy of the $TE_{1,0}$ fundamental mode, said junction being adapted to join three like wave guides of rectangular cross section, having predetermined E-plane and H-plane dimensions, said junction comprising a V-shaped structure having a throat section and two like arms symmetrically joined to said throat section, the interior or base apex of the V being truncated, said structure being formed by upper and lower truncated V-shaped parallel plane surfaces separated by the H-plane dimension of said wave guides, said upper and lower surfaces being joined by four plane side surfaces perpendicular to said upper and lower surfaces, respectively, two of said side surfaces enclosing the throat portion and forming the outer sides of the two arms respectively, the remaining two of said side surfaces forming the inner sides of the two arms, respectively, and joining each other at the junction plane between said throat portion and said arms, the side surfaces at the truncated end of said V structure and throughout the length of the arms of the V structure being spaced apart by the E-plane dimension of said wave guides, the said truncated end of said V structure and the free ends of the arms of the V structure being open and adapted to be connected to said wave guides, respectively, the distance from the truncated end of said structure to the surface at which said arms join the throat portion of said V structure being at least one-half wavelength of the lowest frequency to be transmitted through said wave guides.

2,575,805
TRIPOD GUN MOUNT
Philip P. Glassey, Cazenovia, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application February 8, 1945, Serial No. 576,857
2 Claims. (Cl. 89—40)



1. A tripod base for the carriage and cradle of a machine gun, said base comprising a central circular carriage supporting member and having three legs of substantially equal length, one of said legs being rigidly fixed to said central member and two of said legs being each mounted on a separate pivot fixed substantially perpendicular to said central member, the axis of each leg forming a large acute angle with the axis of each pivot, said legs being pivotable on said pivots from a position substantially parallel to said fixed leg into a position at a substantial angle therefrom and from each other, clamping means for fastening said pivoted legs in fixed relationship to said central member, said central circular carriage supporting member comprising an upper carriage holding element and a lower leg attachment both of said elements being dish-shaped with the upper element slightly larger and with the hollow faces of said dish-shaped elements toward each other whereby the edges of the dish-shaped elements overlap, a bearing between the said dish-shaped elements and at least two outwardly extending lugs fixed to said central member at predetermined various angles from said rigidly fixed leg, each lug being constructed to serve as a base for clamping one of said pivoted legs thereto whereby said pivoted legs may be positioned at various angles from said fixed leg.

2,575,806
CONTACT BANK FOR 25-POINT 10-WIPER ROTARY SWITCHES
Kenneth W. Graybill, Elmhurst, and Hans Sengebusch, Villa Park, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 16, 1950, Serial No. 144,521
17 Claims. (Cl. 175—306)

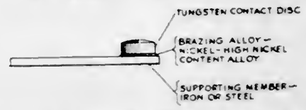


1. In a switch bank, a plurality of molded insulator elements one upon another, raised edges on said insulator elements, upper raised edges right and left having alternately shoulders and depressions respectively aligned in pairs, lower raised edges right and left having alternately elongations and recessions respectively aligned in pairs, said elongations immediately below said depressions, contact strips laying in said aligned depressions and protruding therebeyond, said elongations dovetailing into said depressions of a next lower insulator element and said recessions on said lower raised edges receiving said shoulders of said next lower supports, and means to compress said elements, said shoulders, depressions, recessions, elongations and raised edges being so constructed as to hold said contact strips firmly in place and said insulators together under the compression of said means.

2,575,807
FAT SPLITTING AGENT AND METHOD OF PRODUCING SAME
William K. Griesinger, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Original application April 13, 1943, Serial No. 482,933. Divided and this application November 5, 1946, Serial No. 707,996
1 Claim. (Cl. 252—182)

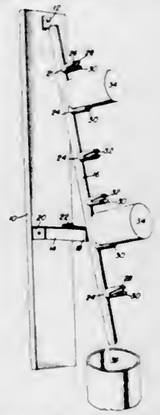
An agent for hydrolyzing fats and fatty oils, comprising a mixture of sulfuric acid of 80%–85% concentration and sulfonic acids of a polyalkylated benzene fraction boiling between 400° F. and 550° F., said agent being obtained by alkylating benzene with a gaseous hydrocarbon mixture containing olefins in which propylene predominates in the presence of a phosphoric acid catalyst at 400° F. to 500° F. under a pressure of 200 to 400 p. s. i. to produce isopropyl benzene and higher boiling polyalkylated benzenes, separating therefrom a fraction of polyalkylated benzenes boiling between 400° F. and 550° F., sulfonating said fraction with sulfuric acid of about 98% concentration, diluting the reaction product with 5% to 10% by volume of water to form an upper and lower liquid layers, and recovering from the upper layer a mixture of polyalkylated benzene sulfonic acids and sulfuric acids of 80% to 85% concentration.

2,575,808
CONTACT MOUNTING
Gilbert Halverson, Libertyville, and John D. Kleis, Lake Forest, Ill., assignors to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application June 17, 1946, Serial No. 677,203
1 Claim. (Cl. 200—166)



An electrical contact assembly resistant to the action of warm, humid atmospheres, comprising a ferrous supporting member and a tungsten contact member secured to the ferrous member by an intermediate thin layer of nickel, the area of the nickel being substantially the same as that of the contact member.

2,575,809
DRAINING RACK FOR OIL CANS
Rex R. Hankins, Alexandria, Minn.
Application March 15, 1950, Serial No. 149,816
3 Claims. (Cl. 222—112)

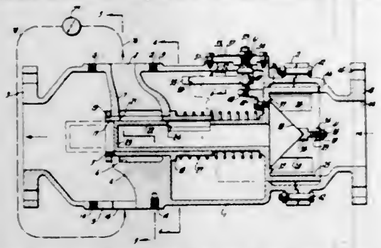


1. A lubricating oil salvaging device comprising a discharge tube, and tubular oil can supporting means comprising a hollow cylinder secured at one end to said discharge tube, said cylinder being in communication with said discharge tube, said cylinder being provided with a bifurcated end portion forming upper and lower jaw elements, the upper jaw having attached thereto oil can crimping means, said upper jaw element being engageable within an aperture in an oil can, the lower jaw element supporting the oil can, said crimping means comprising a blade secured to said upper jaw and extending toward the center of said cylinder.

2,575,810
VALVE FOR METERING SYSTEM
Charles D. Hirst, Cupertino, and George L. Woodington, North Sacramento, Calif.; said George L. Woodington assignor by decree of distribution to Vera J. Woodington, North Sacramento, Calif.
Application February 14, 1947, Serial No. 728,690
4 Claims. (Cl. 277—24)

1. A valve of the character described comprising: a generally cylindrical body provided at one

end with an intake port and at its opposite end with a first discharge outlet; a sleeve supported within said body coaxial therewith and formed on one side with an outlet port communicating through a radial conduit with a second discharge outlet formed in said body; a hollow stem snugly and slidably disposed in said sleeve, said stem being formed on one side with a discharge port arranged upon sliding movement thereof to register with the outlet port in said sleeve; a closure



member carried on said stem for opening and closing the intake port of said body, said closure member and the discharge port of said sleeve being so positioned relative to each other that when the intake port of said body is closed by said closure member the discharge port of said stem will be out of registration with the discharge port of said sleeve; means for resiliently urging said stem to its closed position and means for rotating said stem through a predetermined angle in response to a downstream movement thereof.

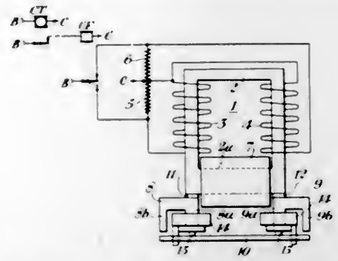
2,575,811
MAGNETIC TESTING APPARATUS
Karl E. Hofammann, Altoona, and Sylvester M. Viele, Swarthmore, Pa.
Application January 3, 1947, Serial No. 720,010
18 Claims. (Cl. 175—183)



1. In testing apparatus for flaw detection in elongate magnetizable objects such as railway equipment axles and the like, a support for the object to be tested; and electro-magnets arranged in axial alignment with the object beyond the ends of the latter and having cores which project beyond the inner ends of the magnet coils to an extent which will insure longitudinal traverse and concentration of the magnetic flux through the end portions of the object; and non-magnetizable supports for the magnets.

2,575,812
ELECTRIC RELAY
Andrew Hufnagel, Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application August 19, 1949, Serial No. 111,209
4 Claims. (Cl. 175—320)

2. A code detecting relay comprising a magnetic circuit including a closed loop of magnetic material, two electric windings on said loop, means for alternately energizing said windings to create opposing magnetic fluxes in said loop, a shading coil on said loop, and a branch magnetic circuit forming a magnetic shunt around said shading coil during transient magnetic conditions in said loop; said branch circuit including an armature and at least one pole structure toward which said armature is at times attracted; said branch circuit having an air gap between each pole structure and the closed loop so that its reluctance is greater than that of the loop during steady magnetic conditions in the loop; said pole structure comprising magnetically



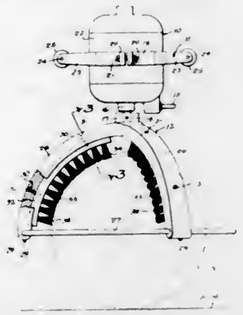
parallel portions and a second shading coil on one of said portions, said second shading coil being effective to retain said armature in its attracted position during transient magnetic conditions in said branch magnetic circuit, said shading coils and said air gaps cooperating to retain said armature in its attracted position when and only when said windings are alternately energized at a frequency within a predetermined range.

2,575,813
CONVEYER BELT
Paul L. Hutchins, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 1, 1946, Serial No. 658,633
12 Claims. (Cl. 198—198)



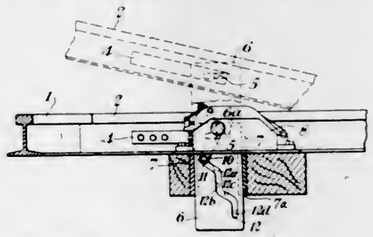
10. A conveyor belt comprising a reinforced body of vulcanized rubber-like material having a resilient work-engaging face, said face comprising an extensive area of rough projections of the rubber-like material with shallow indentations between the projections, some of said indentations extending longitudinally and some laterally of the belt, deeper short indentations extending longitudinally of the belt and interrupting the continuity of the laterally extending shallow indentations, all of said indentations having diagonally striated surfaces of the impression of coarse woven textile yarns, and still deeper grooves also in said extensive area, said deeper grooves having smooth surfaces of the impression of a looped wire fabric and each intersecting a plurality of said lateral shallow indentations, said deeper grooves extending diagonally of the belt and being arranged in laterally extending ranks of grooves with the grooves of successive ranks of opposite angular inclination, and the grooves of one rank being located between the grooves of adjacent ranks in overlapping relation.

2,575,814
MOTOR OPERATED BOWLING BALL CLEANER HAVING A ROTARY BRUSH
Stanley A. Jankowski, Detroit, Mich.
Application November 8, 1946, Serial No. 708,645
1 Claim. (Cl. 15—22)



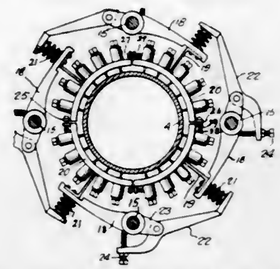
A portable bowling ball cleaning device comprising a motor having a vertical shaft extending downwardly therefrom, a handle connected to said motor, a plurality of arms connected to said shaft below said motor and radiating outwardly therefrom in circumferentially-spaced relationship, a brush secured to each arm having a concave ball-contacting surface, said brush surface being arcuately curved outwardly and downwardly in a plane passing through said shaft, and an annular guard member secured to and interconnecting the outer end portions of said arms, said guard member being arranged to extend through openings in the lower ends of said arms and anchored in place therein to interbrace said arms.

2,575,815
RAIL DETECTOR CONTROLLER FOR DRAWBRIDGES
Glen V. Jefferson, Edgewood, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application August 31, 1948, Serial No. 47,101
3 Claims. (Cl. 246—118)



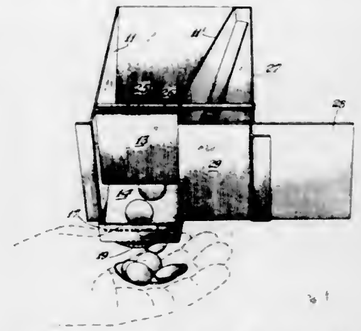
1. Apparatus for operating a circuit controller in accordance with the position of the lift rail of a railway drawbridge, comprising a projection on the lift rail, a lever arm operatively connected to the circuit controller and having a follower projecting therefrom, and a motion plate guided for vertical movement and having a horizontal slot to receive said projection so that it follows vertical movements of the lift rail but is not affected by horizontal movements of the rail, said motion plate having a cam slot to receive said follower, said cam slot being contoured to rotate the lever arm and operate the circuit controller as the motion plate moves vertically.

2,575,816
ROTARY SCRAPING DEVICE FOR CLEANING SURFACE PITTED PIPE
James C. Johnson, Houston, Tex.
Application June 2, 1947, Serial No. 751,753
3 Claims. (Cl. 15—104.04)



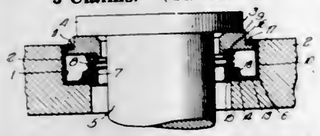
2. In a pipe cleaning machine, a rotatable cylindrical head formed of sections yieldingly connected together and shaped to surround a pipe to be cleaned, spikes yieldingly mounted on the head and extended inwardly to engage the surface of the pipe and whose inner ends are pointed, and means for rotating the head.

2,575,817
FARE BOX COIN UNIT
George L. Kautzmann, Irvington, and Frederick Griffith, Denville, N. J., assignors to Public Service Coordinated Transport, Newark, N. J., a corporation of New Jersey
Application December 11, 1948, Serial No. 64,888
5 Claims. (Cl. 232—7)



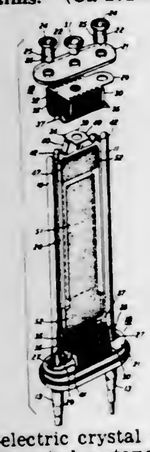
1. The combination with a fare box having an inlet for the reception of coins thereinto and an outlet gateway for the discharge of coins therefrom, of a chute having a downwardly and outwardly inclined floor plate for the descent of said coins therealong, a swingable access door partially closing said gateway, biasing means urging said access door into normally closed position and yieldable upon application of inwardly directed pressure to said access door to permit inward pivotal movement thereof against said biasing means, a trap door pivoted at the outermost end of said floor plate and normally disposed in angular relation thereto to complement said access door to define therewith a closure for said gateway and simultaneously form a barrier against the descent of said coins, biasing means urging said trap door into normally closed position and yieldable to permit outward pivotal movement thereof to clear said gateway for the discharge of coins therethrough.

2,575,818
FLUID SEAL
Thomas O. Kosatka, Chicago, Ill., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill., a corporation of Illinois
Application January 7, 1949, Serial No. 69,758
3 Claims. (Cl. 288—3)



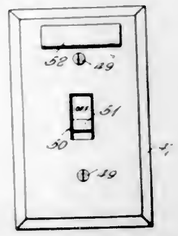
3. A self-contained device for forming a fluid tight seal between a radial planar surface on a rotatable shaft and cylindrical and radial surfaces in a stationary member through which the shaft projects, comprising: a metallic cup; an outer cylindrical wall on said cup adapted for press fit against said cylindrical surface; a radial wall on said cup; a flexible bellows bonded to both sides of a portion of said radial wall and adapted to engage and form a seal with said radial surface; an annular sealing element composed of low friction material closing the open end of said cup; a flange on said sealing element surrounding the central opening therein and projecting towards said radial wall, said bellows being cemented to said sealing element and flange; lugs on said cup positioned in slots in said sealing element to hold the device together as a unit and to prevent rotation of the element with respect to the cup; and a spring disposed between the bellows and cup and tensioned to urge the sealing element against the radial planar surface on the shaft.

2,575,819
CRYSTAL UNIT
Arthur G. Laird, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 3, 1949, Serial No. 74,380
9 Claims. (Cl. 171—327)



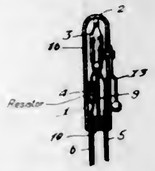
1. In a piezoelectric crystal device, the combination of an elongated rectangular crystal blank having length and breadth large compared with the thickness thereof, beveled portions defining the opposite ends of said crystal blank, a metallic end coating continuous about said crystal blank adjacent each of the end portions thereof but not extending onto said beveled portions, a metallic coating covering a substantial portion of a first major face of said crystal blank and joined to one of said end coatings, and a metallic coating covering a substantial portion of a second major face opposite said first major face and joined to the other of said end coatings.

2,575,820
ILLUMINATED COVER PLATE FOR ELECTRICAL OUTLETS
William C. Linton, Washington, D. C., assignor to Fuse Indicator Corporation, Rockville, Md., a corporation of Delaware
Application October 10, 1944, Serial No. 558,054
3 Claims. (Cl. 240—2)



2. An illuminated plastic switch plate molded in one unitary piece of plastic material comprising a body portion having an opening extending therethrough for receiving the knob of the switch, a shell formed with said body portion and extending from the outer face thereof above the opening extending therethrough, said shell having a lamp-receiving cavity formed therein, said lamp-receiving cavity being open from the rear face of said body portion, and means for closing the opening of said lamp-receiving cavity, said shell being translucent whereby rays of light may extend therethrough and be emitted down towards the opening extending through said body portion.

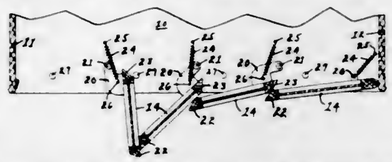
2,575,821
POCKET-SIZE CIRCUIT TESTER
William C. Linton, Washington, D. C.
Application October 21, 1948, Serial No. 55,774
5 Claims. (Cl. 177—329)



5. A lamp housing molded from urea molding powders in one unitary casing, the entire wall of said casing being of sufficient thickness so as to render the same opaque as would prevent the lamp housed therein from being visible exteriorly thereof, said wall of the casing having portions thereof of less thickness than the remaining portions thereof as would render the same sufficiently translucent as would permit light rays from the lamp housed within the casing to pass therethrough and emit therefrom.

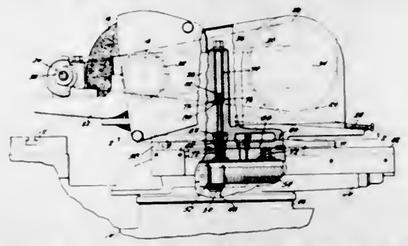
2,575,822
DISPLAY CABINET
William B. Lyon, Detroit, Mich.
Application June 2, 1945, Serial No. 597,196
2 Claims. (Cl. 20—16)

1. A cabinet of the class described having a plurality of linear vertically disposed outwardly swingable doors each pivotally hung adjacent a vertical length thereof between the top and floor of the cabinet in a line disposed rearwardly of the inner surfaces of the doors, the vertical edges of adjacent doors having complementary bevelled meeting edges in planes extending rear-



wardly and outwardly from the front surfaces of the doors, the contiguous bevelled edges of the doors having a camming action on each other to limitedly open the doors successively by movement of the end door and cause movement of each when the end door is opened.

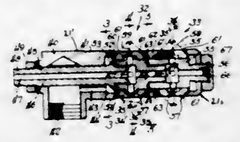
2,575,823
MACHINE TOOL SUPPORT ASSEMBLY
Maxwell I. Mathewson, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application December 30, 1948, Serial No. 68,319
6 Claims. (Cl. 51—166)



6. In a grinding machine having a rotary grinding wheel spindle, a grinding wheel supporting assembly which comprises a grinding wheel support, a wheel slide, a turntable on which the wheel slide is carried, and a platen interposed between the grinding wheel support and the wheel slide having swivel connections eccentric to one another including cooperating bearing surfaces on the platen and on each of the grinding wheel support and the wheel slide whereby rotational adjustment of the platen is effective to adjust the position of the grinding wheel support including the swivel connection therewith both longitudinally and transversely with relation to the wheel slide, and a clamping device connected between the grinding wheel support and the wheel slide for clamping the grinding wheel support, platen, and wheel slide rigidly together.

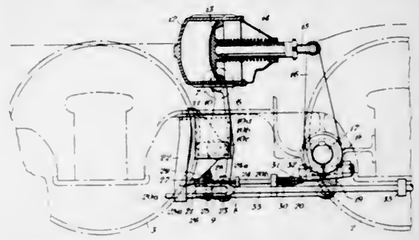
2,575,824
FUEL INJECTOR FOR ROCKET DEVICES
Eugene A. Maynor, Chicago, Ill.
Application January 31, 1948, Serial No. 5,633
4 Claims. (Cl. 299—140)

4. In a fuel injector of the class described, the combination of a supporting member, a nozzle shank of substantially cylindrical form extending therefrom, two separate fluid passageways extending through said nozzle shank for feeding two separate fluids adapted to be intermixed, a radial nozzle opening of substantially continuous circular form encircling said nozzle shank and connected with one of said fluid passageways to project one of said fluids in the form of a disc-like discharge, and a conical nozzle opening of substantially continuous circular form encircling said nozzle shank and connected



with one of said fluid passageways to project one of said fluids in the form of a cone-like discharge which intersects said disc-like discharge at a point spaced apart from the perimeter of said shank.

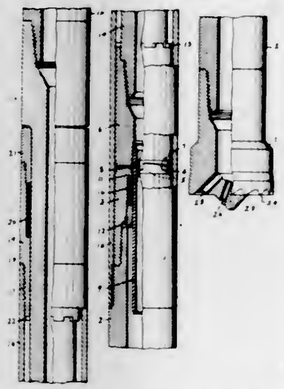
2,575,825
BRAKE MECHANISM
Thomas R. McGowan, Pittsburgh, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application March 27, 1948, Serial No. 17,421
1 Claim. (Cl. 188—199)



In a brake mechanism for one side of a six wheel truck comprising a brake cylinder secured to the truck frame, a brake cylinder lever secured at its lower end to a crank pivotally attached to the truck frame and operatively connected at its upper end with said brake cylinder, a push connector connected at one end to said crank and slidably supported at the other end, a first transversely extending equalizer lever pivotally connected intermediate its ends with said push connector intermediate its ends and operatively connected at its inner end with a brake shoe for applying a brake to the rear one of the truck wheels, a pull rod connected to the outer end of said equalizer lever and extending along the truck toward the front of the truck, an intermediate beam extending transversely of the truck between the front and middle wheel of the truck and connected at one end to the other end of said pull rod, a pull link slidably supported for longitudinal movement with respect to the truck and operatively connected with said intermediate beam in supporting relation thereto, a second transversely extending equalizer lever operatively connected at its outer end with said pull link and operatively connected at its inner end with a brake shoe for applying a brake to the front wheel of the truck, a third transversely extending lever pivotally attached at its outer end to the truck frame and operatively connected at its inner end with a brake shoe for applying a brake to the middle wheel of the truck, and a second push connector connected at its ends with said second and third levers intermediate their ends, the combination with the aforementioned instrumentalities of means for insuring the release of

the brakes for the first and second wheels irrespective of friction in the linkage comprising a lug projecting laterally from said first push connector and having a hole therein, a spring rod extending with clearance through said hole and provided at one end with a flattened portion having a longitudinal slot therein, a bolt extending through said first equalizer lever and through said slot, spring means on said bolt for causing frictional engagement between the spring rod and the lever, a spring retainer fixed on the spring rod on the side of the lug opposite the equalizer lever, and a releasing spring on the rod between the lug and said retainer so arranged that its coils solidly engage each other after a predetermined deflection thereof so that further movement of the push connector after the spring coils engage each other cause slippage of the spring rod relative to the lever to compensate for wear of the brake shoes and wheels and maintain the same releasing travel of the brake shoes.

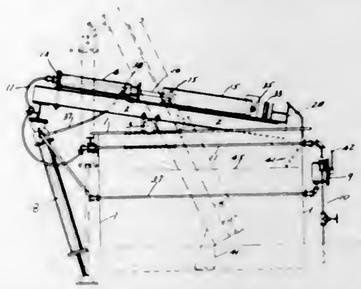
2,575,826
DRILLING TOOL
John W. Mecom, Houston, Tex.
Application March 10, 1947, Serial No. 733,501
3 Claims. (Cl. 255—27)



1. A drilling apparatus comprising, a rotatable stem, a drill associated with the stem and rotatable independently thereof, a hammer carried by the stem and rotatable therewith, clutch means on the upper end of the hammer, an anvil on the drill, contacting inclined faces on the hammer and anvil respectively and forming means for alternately lifting the hammer and permitting the same to drop to impart successive strokes to the anvil and also to impart successive partial rotations to the anvil and drill, a housing connected to the drill and fitted closely about the anvil and hammer and slidable longitudinally relative to the hammer, a clutch member around the stem secured to the upper end of the housing and having clutch means thereon adapted to interengage with and disengage from the clutch means on the hammer upon relative longitudinal movement between the housing and hammer.

2,575,827
SPRING BENDING MACHINE
Louis Miklic, Birmingham, Ala.
Application January 5, 1951, Serial No. 204,647
2 Claims. (Cl. 266—6)

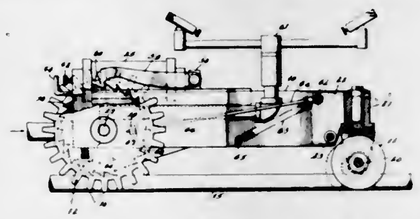
1. A spring bending machine of the character described comprising, a main approximately square tank with an open top and adapted for retaining spring tempering oil, a frame mounted rockable upon the top of two opposite edges of the walls of the tank, two elongated cylinders mounted upon said rockable frame, a slidable frame mounted upon said rockable frame, the piston rods of said cylinders attached to said slidable frame, a cylinder attached in upright position adjacent the middle of one wall of the tank with the lower end of the cylinder held rockable by its connection, the piston rods of the cylinders on the frame being connected to the slidable frame and the piston rod of the upright cylinder being connected to the rockable frame, a curved member supported on the lower end portion of the rockable frame, said curved member having means to regulate the curve thereof, said means consisting of a scissors-type jack and adjusting bolts or screws, a flat link chain attached by its ends to said curved member, a similar flat link chain attached by its ends to said slidable frame, a plurality of supporting rods attached to the said lower end portion of the rockable frame, said rods being adapted to support a hot spring leaf in position



for bending and forming thereof; a three-way air valve supported adjacent the wall of the tank near the lower end portion of the rockable frame, air pipes leading from said valve to the two cylinders on the rockable frame and being adapted to convey compressed air from an independent source through said valve to said two cylinders and operate the pistons thereof in outward movement to thus slide the slidable frame on the rockable frame and clamp a hot spring leaf between the said chain attached to the slidable frame and the chain attached to the rockable frame and by weight of the shifted parts cause the hot spring leaf to be submerged in oil in the tank; additional air pipes leading from said valve to the top end of said upright cylinder and the rod ends of said two cylinders on the rockable frame, said pipes being adapted to convey compressed air into said cylinders to cause them by their piston rod connections to return the rockable and slidable frames to positions occupied before the spring leaf was submerged in oil; said first mentioned air pipes being adapted to convey released air from said two cylinders on the rockable frame through said valve and thereby be exhausted.

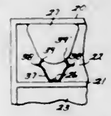
2,575,828
MOBILE MECHANICALLY PROPELLED SPRINKLER
Carl Gebhard Muench, Glenview, Ill.
Application February 25, 1948, Serial No. 10,769
5 Claims. (Cl. 299—49)

1. A mobile sprinkler comprising an elongated supporting frame, a guiding member mounted to the frame adjacent an end thereof, ground contacting propelling means mounted thereto adjacent the other end thereof, hydraulic power means mounted on the frame, driving means conveying power from the power means and driving the propelling means, and a sprinkler head mounted on the frame; a branched fluid supply conduit also mounted on the frame, a branch thereof connecting to the sprinkler head and another branch thereof connecting to the hydraulic power means, there being interposed in the latter branch



adjustable valve means varying the flow thereto by suitable adjustment, a shut-off valve interposed in the fluid supply conduit, the guiding member pivotally mounted to the frame and operating means interposed between the guiding member and shut-off valve, whereby upon tilting of the guiding member upon its pivot the shut-off valve is operated to consequently cut off the flow of hydraulic fluid through the fluid supply conduit.

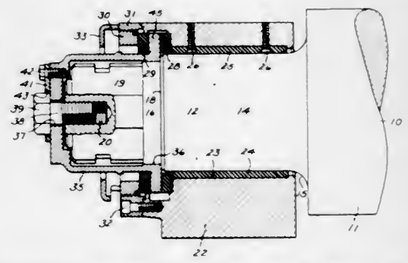
2,575,829
INGOT HOLDER
Lawrence J. Nixon, Pittsburgh, Pa.
Application October 7, 1947, Serial No. 778,304
1 Claim. (Cl. 206—65)



A device of the character described, comprising a box like holder for ingots and retaining means carried by said holder for retaining said ingots in a spaced vertical relation to each other, and said holder is formed with a longitudinally extending centrally located partition and said retaining means is substantially U or V-shaped in cross-section, having out-turned ends and inwardly directed blades formed thereon inwardly of the out-turned ends thereof and said retaining means are secured to the inner surface of the holder and to both sides of the partition in alternate spaced relation to each other.

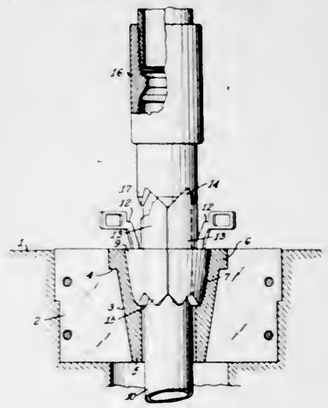
2,575,830
THRUST BEARING
Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application March 20, 1947, Serial No. 736,062
3 Claims. (Cl. 308—163)

1. A bearing for a rotatable roll neck or the like having at its outer end a wabbler of non-circular transverse cross section, the said bearing comprising a hollow chock adapted to surround the roll neck, a liner within the chock providing a plain sliding bearing surface to receive radial loads, two axially spaced thrust rings located within the outer portion of the chock and providing opposed plain sliding bearing surfaces to receive thrust loads, a retaining ring secured to the outer end of the chock and engaging the outer thrust ring to support it against outward movement, a cap adapted to enclose the wabbler and of such size and shape as to provide a clearance space between the cap and the wabbler



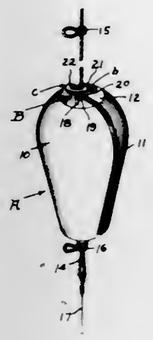
throughout substantially the entire length of the wabbler and extending outwardly through the retaining ring, a thrust collar adjacent the inner end of the cap and extending between the two thrust rings, and readily accessible means to fasten the outer portion of the cap to the outer end of the wabbler.

2,575,831
DRILL PIPE SUPPORT
William L. Pearce, Houston, Tex.
Application March 10, 1948, Serial No. 14,061
4 Claims. (Cl. 255—23)



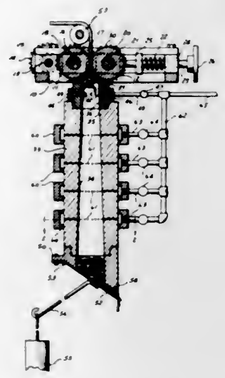
1. Drill pipe supporting means comprising, an adapter bushing shaped to fit into a seat of a rotary drilling machine and having an inside downwardly tapering seat terminating in an internal shoulder provided with upwardly directed teeth in the shape of equilateral triangles, pipe supporting slips shaped internally to fit around a drill pipe and shaped externally to fit into said seat and whose lower end is provided with downwardly directed teeth formed in the shape of equilateral triangles to intermesh with the upwardly directed teeth of the bushing thus forming interengaging means which prevent the rotation of the slips in the bushing, and means on the upper end of the slips adapted to interlock with complementary means on a drill pipe above, to prevent rotation of the supported pipe and coupling.

2,575,832
BOBBER FOR FISH LINES
Vernon L. Perry, Minneapolis, Minn.
Application August 23, 1948, Serial No. 45,615
3 Claims. (Cl. 43—44.9)



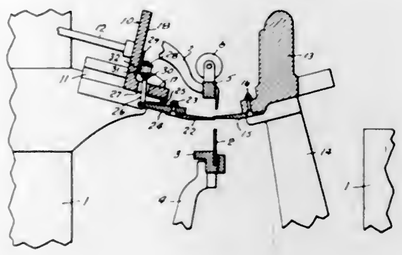
1. A bobber for fish lines comprising an elongated buoyant body adapted to float uprightly and having a kerf in the side thereof extending from end to end of said body freely to receive a line, end guides, one on the upper end and one on the lower end of said body, each guide consisting of a piece of bent wire, the terminal portions of said wire being sunk into the body longitudinally thereof at opposite sides of the kerf therein and providing anchoring studs for said guide, the end portions of said wire, next to said anchoring studs, constituting a rail and a reach extending toward said kerf laterally of the body, the intermediate portion of said wire including two juxtaposed volutions, one in continuation of the rail coiled helically away from the body and providing an eye with a side opening therein for the threading and unthreading of the line into and from the eye, said eye being axially aligned with said kerf longitudinally of the body slidably to accommodate the line threaded in the eye and running along said kerf, the side opening in said eye facing in the direction of said rail, the second volution being in continuation of the first volution and coiled helically toward the body into close proximity thereto to provide a guard adapted normally to fend the threaded line against swinging into a position enabling the line to pass out of the side opening in said eye, but being yieldable under pressure of the line to free the line for swinging movement between itself and said body into said position, said intermediate portion of said wire further including a run between said second volution and said reach, said run traversing and overriding the rail in front of the side opening in said eye, said rail and run constituting coacting jaw members, said run being yieldingly movable out of contact with the rail to enable the line to be swung through the bite of said jaw members into and out of the side opening in said eye in the threading of the line into the eye and the unthreading of the line from said eye, said jaw members providing a safety catch to prevent the accidental unthreading of the line from the eye upon failure of the guard to fend the line away from position wherein it is enabled to pass out of the side opening in said eye.

2,575,833
METHOD FOR CRIMPING TEXTILE FIBERS
Julius H. Pfau, Yonkers, and Leo W. Rainard, Nyack, N. Y., assignors to Alexander Smith, Incorporated, a corporation of New York
Application October 14, 1949, Serial No. 121,438
3 Claims. (Cl. 19—66)



1. The method of imparting a permanent artificial crimp to textile fibers, which comprises gripping said fibers between closely spaced conveyor surfaces discharging into a substantially closed zone, and forcing the gripped fibers into said zone against the pressure of a mass of fibers held compacted under pressure in said zone, said pressure being adapted to cause the fibers to be progressively folded over and crimped as they are delivered from said conveyor surfaces, holding the mass of crimped fibers compacted under a substantially constant pressure to retain the crimp therein, introducing superheated water under pressure into said zone, treating the mass while thus compacted with said superheated water under conditions to produce a permanent set of said crimp in said fibers, and withdrawing the crimped fibers from said zone.

2,575,834
KNIFE SUPPORT FOR AXMINSTER LOOMS
Julius H. Pfau, Yonkers, N. Y., assignor to Alexander Smith, Incorporated, a corporation of New York
Application February 28, 1950, Serial No. 146,865
2 Claims. (Cl. 139—7)



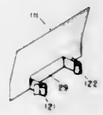
1. In a knife blade mounting for an Axminster carpet loom the combination of a knife beam having a base and an outwardly extending flange, a knife blade holder, a hinge by which said holder is secured to the underside of said base, a knife blade rigidly secured to said holder at one side of said hinge, a plurality of studs rigidly secured to said holder at the other side of said hinge, said studs extending upwardly through apertures in said base, and resilient means engaging said flange and said studs and operative to yieldingly maintain said holder and said blade in normal position.

2,575,835
CATHODE-RAY TUBE CENTERING DEVICE
Eric Pohle, Clifton, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J., a corporation of Delaware
Application May 9, 1950, Serial No. 160,946
4 Claims. (Cl. 313—86)



1. A cathode ray tube electron gun centering device comprising a resilient metallic plate having projections extending radially therefrom, said radially extending projections having a C-shaped bend between the extremities thereof, said bend acting to give said projections a spring like resistance to forces applied radially inward along the plane of said plate, a cup shaped depression in the center of said plate and a central aperture in said cup shaped depression, said electron gun having at one end an electrode having a hollow cylindrical end, said cup shaped depression fitting in said hollow cylindrical end and being secured thereto.

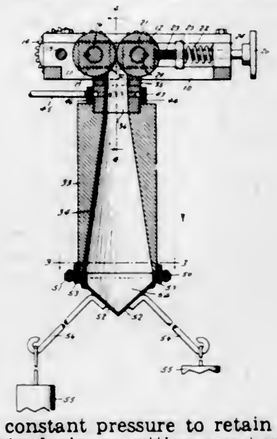
2,575,836
DEFLECTION PLATE
Eric Pohle, Clifton, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J., a corporation of Delaware
Application August 3, 1950, Serial No. 177,371
4 Claims. (Cl. 313—80)



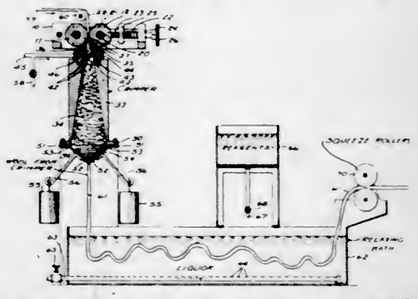
1. A cathode ray tube deflection plate comprising a sheet metal plate member, a pair of sheet metal stems extending from one side of said plate member said stems having their outer extremities bent into the form of C-shaped clamps and terminating in tabs, said tabs extending toward said plate member adjacent their respective stems.

2,575,837
PROCESS FOR TREATING PROTEINACEOUS FIBERS
Leo W. Rainard, Nyack, N. Y., assignor to Alexander Smith, Incorporated, a corporation of New York
Application July 14, 1948, Serial No. 38,657
6 Claims. (Cl. 19—66)

1. The method of imparting a permanent artificial crimp to textile fibers, which comprises gripping said fibers between closely spaced conveyor surfaces discharging into a substantially closed zone, and forcing the gripped fibers into said zone against the pressure of a mass of fibers held compacted under pressure in said zone, said pressure being adapted to cause the fibers to be progressively folded over and crimped as they are delivered from said conveyor surfaces, holding the mass of crimped fibers compacted under a substantially constant pressure to retain the crimp therein. introducing a setting agent under pressure into said zone, treating the mass while thus compacted with said setting agent under conditions to produce a permanent set of said crimp in said fibers, and withdrawing the crimped fibers from said zone.



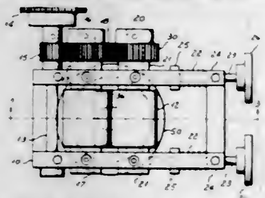
2,575,838
METHOD OF CRIMPING PROTEINACEOUS FIBERS
Leo W. Rainard, Nyack, N. Y., assignor to Alexander Smith, Incorporated, a corporation of New York
Application November 30, 1948, Serial No. 62,727
12 Claims. (Cl. 28—75)



1. The method of imparting an artificial crimp to proteinaceous fibers which comprises feeding said fibers into a crimping zone maintained full of a mass of said fibers and held under a pressure adapted to cause the fibers to be folded over and crimped as they are forced into said mass of fibers, holding the mass of crimped fibers under pressure in a setting zone, maintaining setting conditions of temperature and moisture content in said setting zone, discharging the crimped fibers from said setting zone, and passing the crimped fibers through a relaxing bath at a temperature and rate to at least partially relax the internal stress produced by crimping and to improve the spinning characteristics of said fibers.

2,575,839
PROCESS FOR CRIMPING UNCROSS-LINKED FIBERS
Leo W. Rainard, Nyack, N. Y., assignor to Alexander Smith, Incorporated, a corporation of New York
Application December 15, 1948, Serial No. 65,440
5 Claims. (Cl. 19—66)

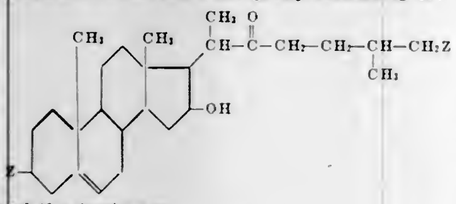
1. The method of imparting a permanent artificial crimp to vegetable fibers and uncross-linked thermoplastic synthetic fibers, which comprises gripping said fibers between closely spaced conveyor surfaces discharging into a substantially closed crimping zone, and forcing the gripped fibers into said zone against the pressure of a mass of fibers held compacted under pressure in said zone, said pressure being adapted to cause the fibers to be progressively folded over and crimped as they are delivered from said conveyor surfaces, holding the mass of crimped fibers compacted under a substantially constant pres-



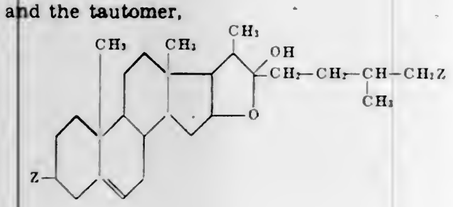
sure to retain the crimp therein, injecting a hot fluid into the mass of fibers in said zone to heat the fibers to a temperature to bring the fibers to a plastic condition in which permanent angular bends are formed at the folds therein, advancing said fibers while held under said pressure through a cooling zone, cooling the fibers in said cooling zone to a temperature below that at which they are in a plastic condition to set said crimps and discharging the crimped fibers from said cooling zone.

2,575,840
CYCLOPENTANOPHENANTHRENE DERIVATIVES AND PROCESS
George Rosenkranz and Stephen Kaufmann, Mexico City, Mexico, assignors to Syntex, S. A., Mexico City, Mexico, a corporation of Mexico
No Drawing. Application March 24, 1948, Serial No. 16,884. In Mexico September 20, 1947
7 Claims. (Cl. 260—239.55)

1. As a new product the 16-dihydro cyclopentanophenanthrenes selected from the group consisting of compounds having a general formula selected from the group consisting of:

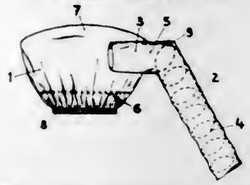


and the tautomer,



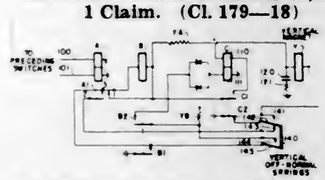
wherein Z in each instance is selected from the group consisting of OH and O-acyl and acyl is selected from the group consisting of a fatty acid radical and a benzoic acid radical and the corresponding 5,6-dihydro compounds.

2,575,841
DRYING CAP
Jacques Rösli, Zurich, Switzerland, assignor to APA Prospekt A-G., Zurich, Switzerland
Application December 11, 1948, Serial No. 64,859
In Switzerland September 10, 1948
1 Claim. (Cl. 34—99)



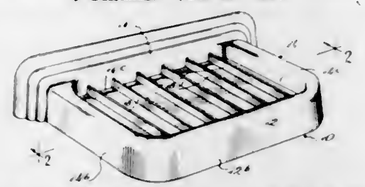
1. A drying cap, comprising, in combination, a cap consisting of pliable material impermeable to air and having an inlet opening adjusted to fit closely to the head of the user, said cap having air outlets formed therein and located adjacent said opening, a flexible tubing having an end portion projecting into the interior of the cap and extending within the cap tangentially along an inner wall thereof, whereby air current entering the cap carries out a circulatory movement, and a flexible supporting wire within said tubing.

2,575,842
SELECTOR SWITCH HAVING SLOW-ACTING RELAY IN MAGNET CIRCUIT
Stanley Rudeforth, North Wembley, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application September 12, 1947, Serial No. 773,673
In Great Britain November 21, 1946
1 Claim. (Cl. 179—18)



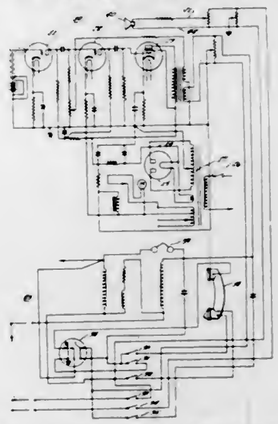
In a telephone system, a driving magnet for actuating the mechanism of an automatic telephone switch, a relay having a first winding and a second winding in inductive relation to said first winding, a source of direct current, a first circuit including said driving magnet, said first winding and said source, a rectifier, a resistance, a second circuit including said second winding, said rectifier, said resistance and said source, a third circuit for short circuiting said second winding including said rectifier and excluding said resistance and said source, means for completing said second circuit to operate said relay, means for intermittently increasing the current flow in said first circuit to maintain said relay operated and to intermittently operate said driving magnet, means operated by said driving magnet on initial operation thereof to complete said third circuit, and thereby short circuit said second winding and disable said second circuit, said rectifier connected in said second and third circuits so as to prevent the induction of current in the second winding due to the increase of current in said first winding.

2,575,843
SOAP DISH
Harry H. Semrow, Chicago, Ill.
Application March 14, 1946, Serial No. 654,305
7 Claims. (Cl. 45—28)



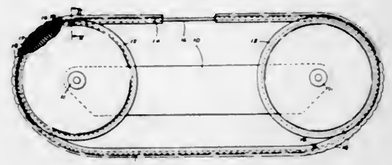
1. A multi-part soap dish comprising a peripheral frame with spaced horizontal bars extending between opposite sides thereof, a separate, relatively shallow drip pan secured within said frame below said bars and spaced vertically therefrom with at least the edges of said pan spaced inwardly from said frame forming passages for the flow of air through the space between the bars and said pan, and means to support said frame and pan with said passages unobstructed.

2,575,844
FEEDBACK NEUTRALIZATION MEANS FOR TELEPHONE SYSTEMS
Walter H. Shaw, Miami, Fla., assignor of two per cent to Harry L. McKellops, Miami, Fla., and ninety-eight per cent to Harold B. Shapiro, Miami Beach, Fla.
Application October 19, 1948, Serial No. 55,369
2 Claims. (Cl. 179—2)



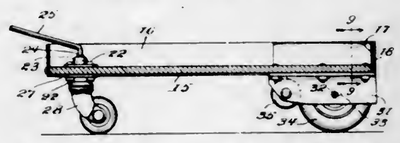
1. In a communication system including a handset having a transmitter and receiver in close proximity, the combination of an amplifier circuit having a plurality of electron discharge devices, said electron discharge devices having a full wave rectifier connected to an external output source, means connecting said amplifier circuit to said handset, switch means connected to said handset and said means connecting said amplifier circuit to said handset, means for selectively operating said switch means for receiving and transmitting, an impulse dial connected to said switches for selectively operating said switches, an audio output means connected to said amplifier circuit so as to give an output therefrom, said means connected intermediate said handset and said amplifier circuit including a circuit for opposing the normal feed back between said transmitter and said receiver.

2,575,845
TRAVELING ENDLESS TRACK
Otto Singer, London, England
Application June 15, 1948, Serial No. 33,125
In Great Britain June 17, 1947
14 Claims. (Cl. 305—10)



8. An endless track for mounting on a supporting structure, said endless track comprising a guide frame, said guide frame being shaped to determine the required track profile, a track element consisting of a flexible substantially tubular envelope completely surrounding said guide frame and freely movable along it, and means located between the guide frame and the track element for reducing friction between the guide frame and the track element.

2,575,846
HANDY WAGON FOR TRANSPORTING HEAVY ARTICLES
Rockie M. Singer, North Topeka, Kans.
Application August 20, 1947, Serial No. 769,617
2 Claims. (Cl. 280—5.24)

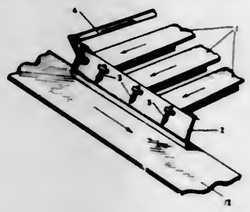


1. A handy wagon comprising an elongated platform, a caster wheel structure disposed on the forward end of the platform, elongated brackets of inverted U-form in cross section secured to the under surface of the platform at the rear end thereof near the side edges of the platform, in parallel relation to the longitudinal center of the platform and in spaced relation to each other, flanges extending outwardly of the sides of the brackets to maintain the brackets in vertical relation to the platform, the forward edges of the brackets being bevelled and wheels of small diameter journalled intermediate of said edges in elevated relation to the ground surface, an axle carrying large ground wheels journalled in the brackets, and said small wheels adapted to engage an elevation to lift the rear portion of the wagon prior to the engagement of the large ground engaging wheels, whereby to facilitate the movement of the wagon onto the elevation.

2,575,847
STORAGE SYSTEM
Thomas Samuel Skillman, Mosman, near Sydney, New South Wales, Australia, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia, a corporation of New South Wales, Australia
Application October 2, 1947, Serial No. 777,561
In Australia October 11, 1945
4 Claims. (Cl. 198—40)

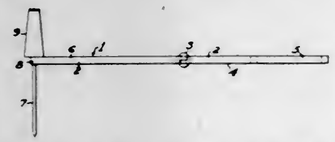
2. In a system having movable belts for the storage of articles, and common to a plurality of

said belts, conveyor means to receive articles released from said belts, electrical contact devices operable by articles passing from the movable belts to said conveyor means, each said contact device operable by articles passing from said belts to said conveyor means comprising a flap with an orifice therein, said flap being hinged across a corresponding belt and sloping down to said conveyor means, and a set of simultaneously operable electrical contact springs fixed beneath said flap,



the actuated member of said set of contact springs protruding through said orifice and having on the upper side of said flap a portion overlapping said orifice across the path of said articles, said overlapping portion being disposed substantially parallel to the plane of said flap and so positioned along the path of travel of said articles that articles released from a corresponding belt topple onto said overlapping portion before sliding down said flap to said conveyor.

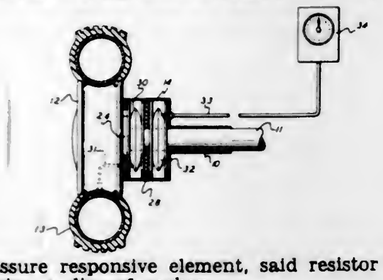
2,575,848
GRAPEFRUIT CUTTING IMPLEMENT
Frank Ronald Stemp, New York, N. Y.
Application May 9, 1949, Serial No. 92,157
1 Claim. (Cl. 30—24)



An implement for severing out the sectoral flesh body of a half citrous fruit comprising a pair of levers having their median portions pivoted to each other, the manipulating end portions of said levers having ears, the end of each operative portion of said levers carrying a bar-like member adapted for separating said flesh body from the radial pulp wall and rind of the fruit, and said members being in registry with each other when brought together by manipulation of said ears, whereby piercing both of said registered members into the flesh body near the core of the fruit, then withdrawing the implement in a direction away from said core while spreading said members apart with said ears, and then returning said members with said ears to said registered position upon the members reaching the rind of the fruit will sever the flesh body from the fruit.

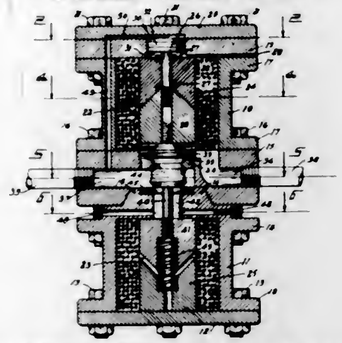
2,575,849
TIRE PRESSURE INDICATOR
Ray L. Steven, Los Angeles, Calif.
Application March 21, 1945, Serial No. 584,016
2 Claims. (Cl. 201—48)

1. In an electrical tire pressure indicator having a casing on an axle and an inflatable annular pressure responsive element in the casing, a fixed annular pressure responsive variable resistor and a thrust bearing between said resistor and said



pressure responsive element, said resistor comprising a disc of carbon.

2,575,850
VALVE FOR AIR BRAKE CONTROL
Frank S. Swickard, Denver, Colo.; Laura Janette Swickard administratrix of said Frank S. Swickard, deceased
Application April 12, 1948, Serial No. 20,541
8 Claims. (Cl. 137—144)

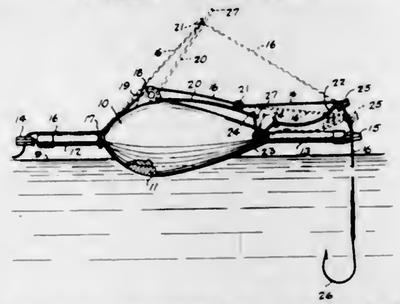


1. An electro-pneumatic valve for controlling the flow of air from an auxiliary reservoir to and from the air brake cylinder of a railway car comprising: a valve housing; an auxiliary air passage in said housing; a cylinder air passage in said housing; a double valve seat between said passages; a first valve positioned to seat on one side of said double valve seat to close the latter; a double valve member positioned to seat on the other side of said double valve seat to also close the latter; an exhaust valve seat in said cylinder air passage to open the latter to the atmosphere, said exhaust valve seat being positioned to be closed by said double valve when the latter leaves said double valve seat; spring means urging said double valve against said double valve seat; a first electro-magnetic means acting when energized to withdraw said double valve from said double valve seat and against said exhaust seat; pressure actuated means adapted to force said first valve to seat against said double valve seat; and second electromagnetic means acting when energized to withdraw said first valve from said double valve seat.

2,575,851
METHOD OF MAKING CARPET UNDERLAY
Harold Taylor, Trenton, N. J., assignor to Alexander Smith, Incorporated, a corporation of New York
No Drawing. Application May 9, 1950, Serial No. 161,019
2 Claims. (Cl. 260—727)

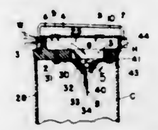
1. A method of manufacturing a rug carpet underlay, which comprises mixing with scrap rubber particles ranging from dust size to the size of the thickness of the underlay to be produced an uncured substantially dry compounded elastomeric binder selected from the class consisting of natural rubber, chloroprene and butadiene-styrene copolymers, in an amount equal to 14 to 30% by weight of the mixture of scrap rubber particles and said binder, forming the mixture into a sheet ranging from one-eighth inch to one-half inch thick and curing said binder into a resilient mass suitable for use as an underlay.

2,575,852
BOBBER
Dale G. Trowbridge, Stamford, Conn.
Application June 8, 1946, Serial No. 675,368
5 Claims. (Cl. 43—16)



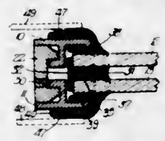
5. A bobber comprising an elongated float adapted to lie on the water in a horizontal position, a guide for a line extending from a rod located at each of the opposite ends of the float, a spring arm mounted on the upper part of the float between the guides and carrying a grip for the line adjacent its outer end, said spring arm being mounted to tend to shift said grip to an upper position, a weight on the under side of the float to keep it with the spring arm at the upper side of the float, and a catch mounted on the float adapted to retain said grip in its lower position, said catch being provided with a guide for the line located between and out of alignment with the grip and adjacent end guide when holding the grip in the lower position so that a pull on the line will tend to move it into alignment and operate the catch to release the arm and grip.

2,575,853
PNEUMATIC THREAD HOLDER FOR WEFT REPLENISHING LOOM
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 25, 1950, Serial No. 164,154
11 Claims. (Cl. 139—247)



1. In pneumatic control means for the weft ends of reserve bobbins in a weft replenishing loom, a hollow thread collector within which subatmospheric pressures exist, a pneumatic thread holder on said collector having an opening therein communicating pneumatically with the interior of the collector and through which a stream of air and the weft ends pass from the holder into the collector, thread entangling means at one side of the opening depending from the holder into the collector, and air deflector means located at another side of the opening directing part at least of the stream of air and threads therein toward said entangling means.

2,575,854
SASH
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1946, Serial No. 704,553
2 Claims. (Cl. 189—64)

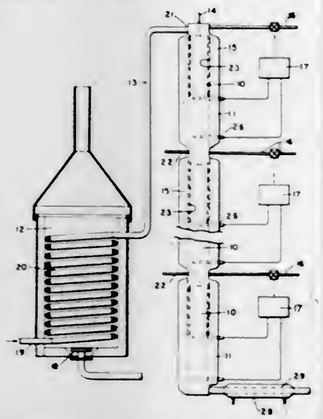


1. In a double glass sash, two spaced panes of glass, rubber glazing means in which the edges of the panes are clamped, a frame surrounding the panes, said frame consisting of two laterally spaced separable rim members, each of which is characterized by a facing flange which extends inwardly in engagement with said glazing means, a web which extends laterally from the base of said facing flange toward the median plane of the sash, a facing flange which extends outwardly from said web, and a locking flange which also extends outwardly from said web in laterally spaced relation to said outwardly extending facing flange, and separable connecting members substantially coextensive with said locking flanges positioned between said outwardly extending facing flanges in clamped engagement with said locking flanges for holding said rim members with the inwardly extending facing flanges thereof in clamped engagement with said glazing means, said connecting members having substantially flat outer surfaces substantially flush with the outer edges of said outwardly extending flanges and having spaced apertures in said outer surfaces for receiving a tool to remove said members from clamped engagement with said locking flanges.

2,575,855
CONTACT TOWER REACTOR FOR VAPOR PHASE NITRATION
Leonard A. Stengel and Richard S. Egly, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Original application July 22, 1944, Serial No. 546,186. Divided and this application June 17, 1946, Serial No. 677,236
1 Claim. (Cl. 23—283)

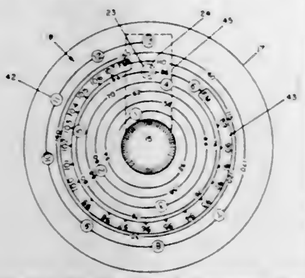
An apparatus for producing an exothermic chemical reaction between a liquid reactant and a vapor reactant in which the liquid reactant is vaporized during the reaction, which comprises in combination an elongated, heat-insulated reaction chamber having a substantially unobstructed passageway for liquids and vapors leading from the top to the bottom of the chamber, means for spraying said liquid reactant into said chamber at the top and also at a plurality of spaced points in the reaction chamber thereby producing a corresponding series of reaction zones at different heights in said chamber, an inlet for the vapor reactant at one end of said reaction

chamber and an outlet for reaction vapors at the other end of said chamber, means for preheating the vapor reactant prior to its passage into said chamber, means for cooling reaction vapors connected to the vapor exit of said chamber, means for controlling the temperature and other conditions of the reaction mixture so that the exothermic heat of reaction in each of said reaction zones is substantially balanced by the heat required to vaporize said liquid reactant;



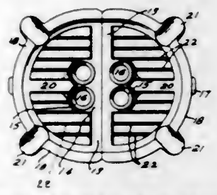
said controlling means including auxiliary heating means mounted adjacent the liquid spraying means in each of said reaction zones, means for cooling the reaction mixture between said auxiliary heating means and said liquid spraying means and thermostatic means for independently controlling the degree of cooling produced by said cooling means in each of said reaction zones; whereby optimum reaction temperatures can be maintained substantially throughout the length of said reaction chamber.

2,575,856
SPIRAL TUNING DEVICE
Paul Ware, Pompton Plains, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application August 12, 1949, Serial No. 109,833
4 Claims. (Cl. 116—124.4)



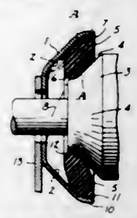
1. A tuning device for television, comprising a shaft, a translucent disc driven by and rotatable about the longitudinal axis of said shaft, and a source of light located behind said disc, geared to said shaft, and having a spiral scale thereon, said light being visible through said scale, said source being constrained to move exactly radially with respect to said axis, and masked to provide a small, relatively intense area of light upon said scale.

2,575,857
ASH RECEPTACLE
Charles A. T. Agee, Collingswood, N. J.
Application March 27, 1945, Serial No. 585,050
8 Claims. (Cl. 220—18)



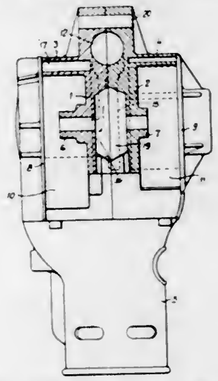
8. A combined substantially symmetrical ash receptacle comprising two complemental asymmetrical complete ash receptacle units, each unit comprising a bottom and means joined to the bottom defining lateral boundaries of the receptacle including a substantially flat side wall having a central axis generally normal to said bottom, said side flat walls of the respective units being juxtaposed in generally parallel relation, and means for interlocking the two complete units into a rigid portable ash receptacle whole, said means comprising two sets of complemental fastenings respectively on opposite sides of the respective central axes of said side walls, one set comprising a key hole slot formed of a narrow fastener-receiving portion communicating with an enlarged head-receiving portion in one said flat side wall and a headed fastener mounted on the other said flat side wall and disposed in said key hole slot, the other set comprising a key hole slot formed of a narrow fastener-receiving portion communicating with an enlarged head-receiving portion in said other flat side wall and a headed fastener mounted on said one flat side wall, the headed fastener on each wall being misaligned with the enlarged head-receiving portion of the key hole slot in the same wall transversely of the said central axis of said wall.

2,575,858
RESILIENT MOUNTING
John R. Bennett, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 27, 1947, Serial No. 731,307
13 Claims. (Cl. 248—26)



1. A mounting of the type adapted to be interposed between two relatively movable members to support the same and prevent vibrations being transmitted from one to the other, comprising rigid bearing surfaces, one of which is adapted to be connected to each of said relatively movable members, an annulus of resilient material having a noncircular cross section and having one sectional axis substantially greater than the other and disposed between said bearing surfaces to prevent contact therebetween, the major sectional axis of said annulus forming an acute angle with said bearing surfaces, said annulus and said bearing surfaces being dimensioned so that said resilient annulus bears against annular portions of each of said bearing surfaces, whereby when such surfaces are moved towards each other the major sectional diameter of said resilient member is tilted first to a more acute angle relative to said bearing surfaces so as to be substantially parallel therewith and the load deflection characteristics of the mounting have a relatively low slope for small loads and a relatively high slope for high loads.

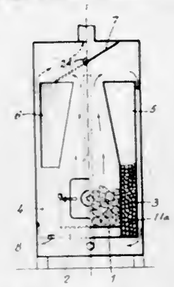
2,575,859
HOUSING MEANS FOR ROCK DRILLING MACHINES
Gustav Albert Bergman, Danderyd, Sweden
Application December 19, 1946, Serial No. 717,239
In Sweden April 18, 1946
3 Claims. (Cl. 123—195)



1. Housing means for rock drilling machines adapted to be driven by an internal combustion engine joined with the machine proper, comprising an engine crank casing divided into two halves substantially at right angles to the axis of the crank shaft of the engine, said casing having substantially part-tubular walls embracing spaces at opposite sides of the crank casing and a jacket surrounding said spaces and comprising walls each integral with one crank casing half and extending outside said substantially part-tubular wall to form air passages outside said spaces.

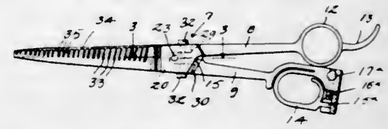
2,575,860
STEAM-GENERATING STOVE FOR STEAM BATHROOMS
Karl Bernhard Bergom, Honefoss, Norway
Application February 6, 1946, Serial No. 645,850
In Norway October 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 3, 1962
4 Claims. (Cl. 126—344)

1. A stove for steam bathrooms to produce hot moist air comprising a housing having a top, bottom and sidewalls with a smoke outlet in the top, means forming two compartments in the stove opening to the exterior thereof for receiving a filling of heat accumulating material, said compartments being positioned on opposite sides of centerline of said housing and spaced from the top, bottom and two oppositely disposed sidewalls of said housing, a combustion chamber positioned between said compartments, and having a lower wall spaced from the bottom of said housing, the spaces between the housing lower wall and the combustion chamber and the spaces between said compartments and said two oppositely disposed sidewalls being in communication and forming a circuitous passage communicating with the smoke outlet for conducting the gases of combustion, and a damper tiltably mounted in the upper end of said housing in a position to block passage of gases from said combustion chamber



to said smoke outlet in either of two end tilting positions, said damper being moveable between said two tilting positions, in a first of which it directs gases rising upwardly from said combustion chamber in a clockwise movement through said passage to said smoke outlet, while in its second position of adjustment, the damper directs said gases in a counterclockwise direction through said passage to said smoke outlet.

2,575,861
DETACHABLE BLADE AND HANDLE FOR SHEARS
Olin B. Bray, Lynwood, Calif.
Application January 5, 1951, Serial No. 204,577
5 Claims. (Cl. 30—260)

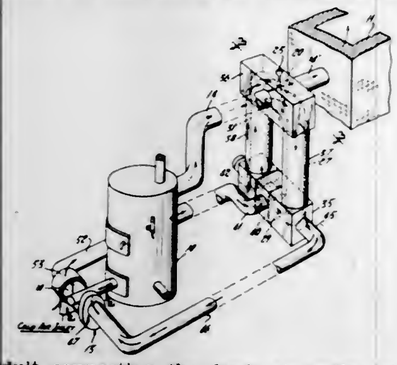


1. A pair of scissors or shears comprising a finger loop lever and a thumb loop lever, said levers having heads at their inner ends disposed in overlapping relationship, said heads being laterally widened in opposite directions, each of said heads having outwardly opening longitudinally extending grooves in its side edges and a transversely extending outwardly opening groove in its outer end, said grooves of each of the heads defining a solid longitudinally extending intermediate portion disposed between the first mentioned grooves and defining the bed of the transverse groove, a pair of shear blades each having a bifurcated shank portion of reduced thickness at its inner end, said shank portions snugly fitting into the grooves of the heads and fastening means detachably securing each shank portion to its complementary head.

2,575,862
ECONOMIZER FOR USE WITH OIL FIRED FORCED DRAFT DOMESTIC HEATING FURNACES
Wilmer J. Carlson, Valley Stream, N. Y.
Application March 11, 1950, Serial No. 149,189
4 Claims. (Cl. 158—4)

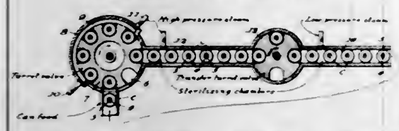
1. In combination, a chimney, a furnace, an oil burner unit including a motor operated blower

for providing draft to the combustion space of the furnace, an economizer having a passage between the furnace and chimney and through which products of combustion pass, the economizer having a fresh-air-passage with inlet and outlet so disposed that the combustion gases and fresh air circulate in heat exchange relation, a suction



conduit connecting the fresh air outlet of the economizer and the blower to withdraw heated fresh air from the economizer and deliver it to the combustion chamber as forced draft, and an intake suction conduit connecting the fresh air inlet of the economizer, the inlet of said last named conduit receiving the motor so that fresh air passes by the motor to cool it.

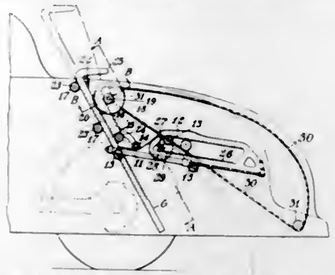
2,575,863
METHOD OF ASEPTIC CANNING
La Verne E. Clifcorn, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 9, 1948, Serial No. 13,887
3 Claims. (Cl. 99—182)



1. A method of aseptic canning of liquid and semi-liquid food products in metal cans having attached closure ends and a relatively small filling opening in one of the ends comprising providing the empty can through said opening with a small quantity of water, subjecting the exterior of the can to steam for heating the can and the water therein so as to convert the water into steam for forcing the air out of the can through the filling opening, subjecting the exterior of the can while free of air to steam at a temperature and for a time sufficient to destroy all bacteria on the interior walls of the can, filling the can through said relatively small opening while in a sterile condition and in a sterile atmosphere with a sterile food product and bacteriologically sealing the filled can while in said sterile atmosphere.

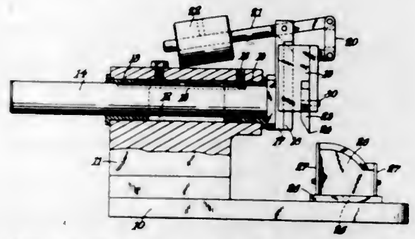
2,575,864
LET-DOWN TYPE RIGID TOP
Antony H. Croucher, Esher, England
Application July 13, 1948, Serial No. 38,440
In Great Britain July 15, 1947
8 Claims. (Cl. 296—117)

1. A vehicle body comprising a riding space, a boot or deck portion rearwardly thereof, a non-collapsible roof or head capable of bodily elevational and longitudinal movement to enclose said riding space and of bodily longitudinal and lowering movement to nest with said deck portion and leave said riding space open, runners or trolleys carried by said roof adjacent its rear and lower extremity, guides or tracks on and conforming with the face of said deck and with which said runners engage, struts underlying the



upper and forward portion of said roof when the roof is nested with said deck, said struts being mounted for upward movement for raising said roof and forming a support for said roof as the latter is raised, and said struts being glidingly engaged by said roof as it is moved forwardly to enclose said riding space, said roof being supported by said struts in cantilever fashion as it is gliding forwardly and rearwardly relative to said struts.

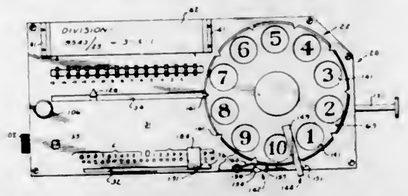
2,575,865
MEANS FOR PROFILING TURBINE AND COMPRESSOR-BLADING
Walter Edward Dazeley, Twiston, near Clitheroe, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application October 31, 1947, Serial No. 783,310
In Great Britain November 1, 1946
4 Claims. (Cl. 18—1)



1. Apparatus for producing an accurately-shaped master form for use in the manufacture of turbine and compressor blades, comprising a base, a box structure to receive a non-shrinking, settable material positively located on said base and having a pair of side walls at right angles to the base and between the side walls a pair of templates having their upper edges respectively contoured to conform to the desired blading section at two stations spaced along the length of the blade, a pillar carried on said base, a slide bar mounted in the pillar for movement parallel to said base and to the templates of the box structure, a slide carried by the slide bar and arranged for movement at right angles to said base, and a scraper carried on the slide with a scraper edge at right angles to the directions of movement of the slide bar, said scraper being movably mounted on said slide for edgewise movement

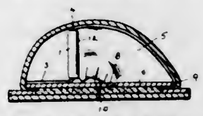
relatively to the templates for permitting the scraper to conform to the contour of the upper edges of the templates for shaping the surface of the settable material in the box structure.

2,575,866
CALCULATING MACHINE
Harmodio A. de Valle-Arizpe, Colonia Portales, Mexico City, Mexico
Application November 13, 1947, Serial No. 785,774
6 Claims. (Cl. 235—63)



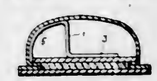
1. A calculating machine comprising a registering unit including a denominational series of rotatable and cooperatively related counter-disk-assemblies; a dialing unit including a rotatable finger-actuated dial plate and a driving disk connected to said plate for rotation therewith; a transmission unit including a shaft, the axis of said assemblies being parallel to the axis of the transmission unit and the axis of the driving disk being perpendicular to the axis of the transmission unit, a driving element carried by said shaft and adapted to be moved longitudinally thereon into driving relation to any selected one of said counter-disk-assemblies and a driven element carried by said shaft for longitudinal movement thereon and adapted to be rotated by said driving disk for effecting rotation of said shaft, said driving element and any selected one of said counter-disk-assemblies in response to rotation of said driving disk; and means for shifting said driven element lengthwise of said shaft to various positions for engagement with said driving disk along its diameter and at opposite sides of its center of rotation, whereby said shaft and consequently any selected one of said counter-disk-assemblies may be rotated in either a positive or a negative direction as desired and at various ratios of angular rotation with reference to that of said driving disk.

2,575,867
TOE SPACING DEVICE
Saul Ferri, Rochester, N. Y.
Application August 4, 1949, Serial No. 108,587
2 Claims. (Cl. 36—8.5)



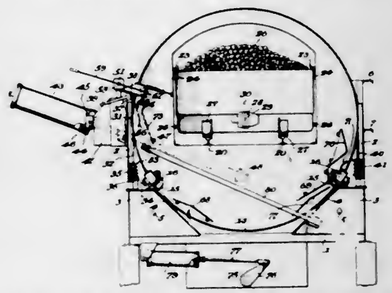
1. A device adapted for insertion in a shoe and for supporting the toe of the upper of the shoe and for separating the big toe from the other toes comprising a single plate formed from a relatively rigid sheet of material, said plate having a rigid upright intermediate central portion extending from the insole to the upper of the shoe and having a rigid wide dome portion extending from the upper edge of the upright portion over and down between the outer edge of the insole and the upper in one direction and having a rigid deck extending laterally from the lower edge of said upright intermediate portion and across the insole of the shoe in the other direction, the marginal edge of said deck being shaped to correspond substantially to the contour of an adjacent insole, and the dome portion having a configuration adapted to closely embrace the under surface of the box toe of a shoe, all of said portions being formed in one piece, said plate comprising a single sheet of rigid material bent to provide said dome, intermediate and deck portions.

2,575,868
TOE SPACING DEVICE
Saul Ferri, Rochester, N. Y.
Application October 20, 1949, Serial No. 123,550
1 Claim. (Cl. 36—8.5)



A device adapted for insertion in a shoe and for supporting the toe of the upper of the shoe and for separating the big toe from the other toes comprising a plate having a rigid upright intermediate central portion extending from the insole to the upper of the shoe and having a rigid narrow dome portion extending from the upper edge of the upright portion laterally and rearwardly and over and down between the outer edge of the insole and the upper in one direction and having a rigid deck extending laterally from the lower edge of said upright intermediate portion and across the insole of the shoe in the other direction, all of said portions being formed in one piece, said plate comprising a single sheet of rigid material bent to provide said dome, intermediate and deck portions.

2,575,869
ROTARY CAR-DUMPING MECHANISM
Henry Fort Flowers, Findlay, Ohio
Application July 9, 1946, Serial No. 682,347
10 Claims. (Cl. 214—52)



1. A dumping mechanism for mine cars or the like comprising a frame structure, a dumper mounted therein for rotation about a horizontal axis, means within the dumper for supporting a loaded car, the parts of the dumper being so distributed relative to the axis of rotation that the center of weight of the dumper with the loaded car therein is above the axis of rotation, and the center of weight of the dumper when the car is emptied and in dumping position is above said axis whereby the force of gravity may be used for rotating the dumper toward dumping position and for automatically returning the dumper to righted position after the load has

been dumped, cylinders mounted on said frame structure, a piston in each cylinder, piston rods connecting the pistons to the dumper, a valve associated with said cylinders, fluid pressure means connected to said valve, means for shifting the valve for initiating the dumping movement, and means carried by the dumper for automatically shifting the valve so as to permit free movement of the dumper under the action of gravity and so as to check the movements of the dumper as it approaches full dumping position.

2,575,870

MEANS FOR CONNECTING COLLAPSIBLE TUBES TO A PUMP DEVICE FOR DISCHARGING THE CONTENTS THEREOF

George Frederick Gates, London, England, assignor to Gestetner Limited, London, England
Application July 9, 1948, Serial No. 37,836
In Great Britain July 10, 1947
2 Claims. (Cl. 222—80)



1. In a dispensing device comprising a pump for delivering viscous ink from a collapsible tube furnished with a nozzle comprising an annular wall having behind the usual screw threaded portion a circumferential recess, and in combination therewith, a hollow element communicating with the inlet port of the pump and terminating in a peripheral knife edge, and means adapted to bring the tube nozzle and said knife edge into abutment and drive said knife edge into the material of said annular wall at its outer extremity, said means comprising a lever, one arm of which is bifurcated and having in each of the elements of the bifurcated arm a slot engaging a pin on the outside of a sleeve slidable axially on said hollow element and having an extension open at one side furnished with flanges adapted to enable the nozzle of the collapsible tube to be slid transversely into position so that the circumferential recess provided on it is engaged by the flanges, and so that by motion imparted to the sleeve by the lever the material of the extremity of said annular wall will be brought firmly into contact with said hollow element to secure an airtight joint.

2,575,871

GRANULAR SMOKELESS PROPELLANT POWDERS

Stuart Gordon, Saltcoats, and Edward Whitworth, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application September 24, 1947, Serial No. 775,950
In Great Britain December 20, 1946
6 Claims. (Cl. 102—98)

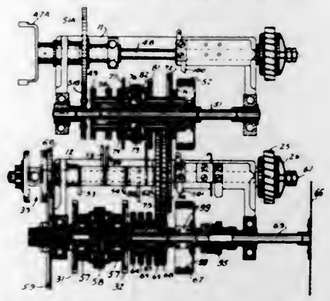


1. Granular smokeless propellant powders of a porous structure based on colloidal nitrocellulose compositions in the form of powder grains each enclosing in addition to its pores at least one space extending through its entire thickness and defining at least one surface on which the grain may burn outwardly.

2,575,872

CAM AND PAWL ACTUATED TENS TRANSFER DEVICE

John Handley, London, England, assignor to The Union Totalisator Company, Limited, Glasgow, Scotland, a corporation of Great Britain
Application January 22, 1947, Serial No. 723,532
In Great Britain November 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 1, 1964
5 Claims. (Cl. 235—134)



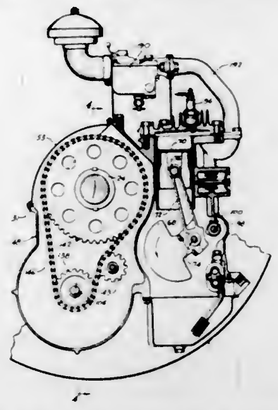
5. In a counting machine having a plurality of interconnected denomination spindles of different denomination adapted to register values of progressively higher denomination, including means for transferring values from a denomination spindle of lower value to a denomination spindle of higher value, means including a slipping clutch or equivalent device for urging each denomination spindle to rotate, and means for controlling the rotation of a higher denomination spindle, the improvement in which said last means includes a pair of escapement wheels on the higher denomination spindle adapted to be released by a mechanism associated with a lower denomination spindle, and a differential gear coupling said escapement wheels to the higher denomination spindle, said mechanism including a pair of separately actuated escapement pawls operatively associated with the lower denomination spindle and mounted for engagement with opposite sides of each escapement wheel, one pawl of each pair being held in readiness to check rotation of the escapement wheel associated therewith when the wheel is released by the other pawl of the pair.

2,575,873

MOTORIZED VEHICLE

George K. Henney, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 14, 1946, Serial No. 654,282
1 Claim. (Cl. 180—33)

For use with a bicycle having a fork of standard width, a power apparatus for the bicycle adapted to be secured to the fork, said power apparatus comprising a wheel equipped with a hub interposed between said fork and secured thereto, a unitary housing supported on the hub and constructed and arranged so that the center of gravity of said housing is below said hub, said housing being formed with two chambers therein, one of which is located aft of said hub and the other of which surrounds said hub which passes through said latter chamber, a motor in the aft chamber and comprising a crankshaft, a transmission in said other chamber, a chain drive for connecting the crankshaft to the transmission, and a chain drive in the housing for connecting the transmission to the wheel.



2,575,874

PRODUCTION OF OIL-IN-OIL EMULSIONS

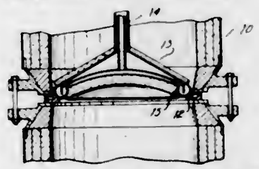
Anders Herlow, Grindsted, Denmark, assignor to A/S Grindstedvaerket, Grindsted, Denmark, a firm
No Drawing. Application August 6, 1947, Serial No. 766,881. In Denmark September 15, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 15, 1961
20 Claims. (Cl. 99—118)

1. The method of producing an emulsion of the type oil-in-oil in which an oil intended to form the interior oil phase is divided into separate particles by emulsification in an aqueous phase in the presence of an emulsifying agent to produce an oil-in-water emulsion and the oil-in-water emulsion thus produced is introduced into a continuous oil phase having a lower melting point than the oil in the interior phase.

2,575,875

HIGH-TEMPERATURE GAS VALVE

Fred H. Johnson, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application January 20, 1948, Serial No. 3,329
8 Claims. (Cl. 251—159)

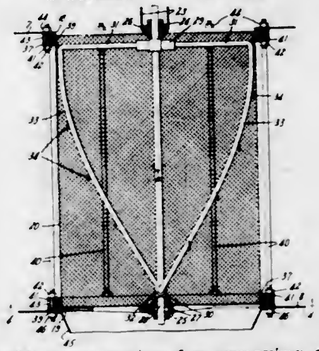


1. In a valve, a body, an annular seat in said body, a closure disk cooperable with said seat to close the valve, and a tubular stem joined to said disk for operating the valve, said closure disk including an annular pipe extending around the circumference of the disk and engageable with said seat and having a circumferential opening opposite its seating region, a pair of spaced plates joined to said pipe at the edges of said opening, one of said plates being joined to said stem, a tube carried within the bore of said stem, and a continuous baffle fixed to the end of said tube and disposed in spaced relation between said plates and having a continuous circumferential flange extending into said pipe through said opening, said baffle directing circulation of cooling water through said pipe uniformly throughout its circumference.

2,575,876

FILTER APPARATUS

Fredrick Kausch, Jersey City, N. J.
Application April 3, 1950, Serial No. 153,577
2 Claims. (Cl. 183—60)

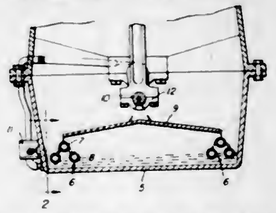


1. In filter apparatus for removing entrained materials from air, means providing a filter member in communication with an inlet for laden air and an outlet for cleaned air and interposed therebetween in such a manner as to insure that all incoming air which reaches said outlet will pass through said filter member, said filter member comprising a foraminous cylinder to which air-borne material may adhere, and means for clearing said filter member of the thus adhering material including a rotating shaft arranged axially of said filter member and a pair of similar spiral sweep arm members carried by said shaft and provided with a plurality of individual relatively widely spaced substantially rigid agitator fingers of filar form terminating short of contact with said filter member and adapted to engage the said adhering material, the relative spacing of the agitator fingers upon the two sweep arm members being such as to cause them to travel in separate non-intersecting circular paths relatively to the filter member as the said sweep arm members rotate.

2,575,877

ENGINE CRANKCASE COOLING SYSTEM

Wilhelm W. Klier, El Paso, Tex.
Application January 5, 1948, Serial No. 543
4 Claims. (Cl. 184—104)



1. In combination with an engine crank case to which oil is returned from the working parts

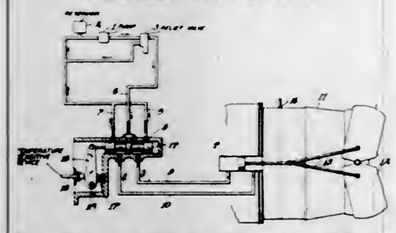
of an engine, of a group of air tubes extending longitudinally of the crank case adjacent each side thereof, and means directing the returning oil against the tubes, said means comprising a plate sloping downwardly at each side and with its side edges positioned longitudinally directly above the groups of air tubes for dripping oil onto the tubes.

2,575,878
METHOD OF MAKING MULTIPLE BEAD PNEUMATIC TIRE CASINGS
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application January 26, 1946, Serial No. 643,580. Divided and this application January 14, 1950, Serial No. 138,675
3 Claims. (Cl. 154—14)



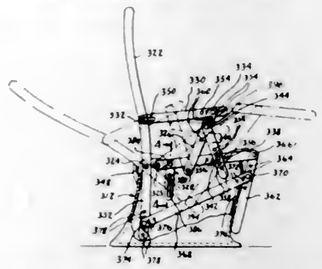
3. The method of making a pneumatic tire from a pair of ply units, each in the form of a band having flexible substantially inextensible bead rings in its edges, the bead rings of one band being of substantially the same circumferential length as the bead rings of the other, which comprises flexing the bead rings of one band, passing them through one of the rings of the other band, positioning the bead rings of the two bands side by side, and expanding the assembled ply units to tire form.

2,575,879
VARIABLE-AREA NOZZLE FOR DOWNSTREAM END OF JET PIPE IN JET PROPULSION UNITS
Adrian Albert Lombard, Clitheroe, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application August 28, 1946, Serial No. 693,444
In Great Britain March 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1965
3 Claims. (Cl. 60—35.6)



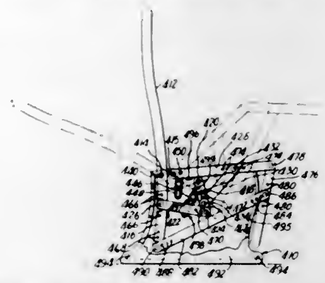
1. In a jet-propulsion unit, the combination of a gas-turbine, a jet pipe connected to receive the exhaust from said gas-turbine, a variable-area nozzle at the downstream end of the said jet-pipe, a temperature-sensitive device situated in said jet-pipe, power-means to adjust the area of the variable-area nozzle, and control means for said power-means operated by said temperature-sensitive device.

2,575,880
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application January 21, 1947, Serial No. 723,413
In Sweden February 4, 1946
15 Claims. (Cl. 155—105)



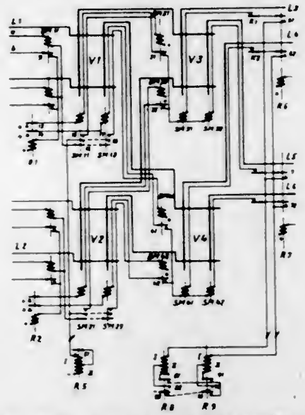
1. A reclining article of furniture, comprising: a support, a seat pivoted to said support at its rear end portion, a connecting link, the lower portion of said connecting link being pivoted to said support at a point spaced from the pivotal connection between the seat and the support, a front link, the lower portion of said front link being pivoted to the front portion of said seat, the upper end portion of said front link being pivoted to the upper portion of said connecting link, said seat, said front link, said connecting link and the stationary portion of the support between the pivotal connections of the connecting link with the support and of the seat with the support forming the links of a four-bar link-mechanism, a back-rest, said back-rest being pivoted to said support at a point spaced from and out of coaxial alignment with the pivotal connection of the seat with the support, and a top link, the rear end of said top link being pivoted to an intermediate point of said back-rest above the pivotal connection between the back-rest and the support, and the front portion of said top link being pivoted to a point of the connecting link spaced from its pivotal connection with the front link.

2,575,881
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application January 21, 1947, Serial No. 723,414
17 Claims. (Cl. 155—105)



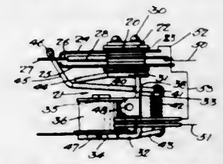
1. A reclining article of furniture, comprising: a support, a seat pivoted to said support at its rear end portion, a connecting link, the upper portion of said connecting link being pivoted to said support at a point spaced from the pivotal connection between the seat and the support, a front link, the upper end portion of said front link being pivoted to the front portion of said seat, the lower end portion of said front link being pivoted to the lower portion of said connecting link, said seat, said front link, said connecting link and the stationary portion of the support between the pivotal connections of the connecting link with the support and of the seat with the support forming the links of a four-bar link-mechanism, a back-rest, said back-rest being pivoted to said support at a point spaced from and out of coaxial alignment with the pivotal connection of the seat with the support, said back-rest having a downward extension projecting beyond its pivotal connection with the support, and a lower link, the rear end of said lower link being pivoted to said downward extension of the back-rest below the pivotal connection between the back-rest and the support, and the front portion of said lower link being pivoted to a point of the connecting link spaced from its pivotal connection with the front link.

2,575,882
CONNECTING DEVICE AT CROSSBAR SWITCH FOR SELECTION OF CONNECTING LINKS
Karl Axel Lundkvist, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application June 4, 1948, Serial No. 31,076
In Sweden June 13, 1947
3 Claims. (Cl. 179—18)



1. In an automatic telephone system, a selection stage composed of two groups of cross-bar switches having operating bars, selecting magnets and contact sets; lines, some of said lines being calling lines and connected each to the contacts of one operating bar in the cross-bar switches belonging to one of said groups and some of said lines being called lines and connected each to a row of contact sets corresponding to a selecting magnet in the other group of cross-bar switches, links, each of said links interconnecting the contacts of an operating bar in the last mentioned group of cross-bar switches with a row of contact sets corresponding to a selecting magnet in the previously mentioned group of cross-bar switches, one operating magnet for each of said operating bars, only one of said links being arranged between each cross-bar switch in anyone of said groups and each cross-bar switch in the other one of said groups, a test-conductor for each of said links containing a winding on said selecting magnet pertaining to the link and a break-contact operated by said operating magnet for the operating bar pertaining to the link, said break contact being closed when the link is idle, a number of test relays, means connecting said relays to block each other so that only one test relay at a time can stay operated, means connecting one end of all test conductors for links pertaining to one of said cross-bar switches to one pole of a battery and the other end of each of said test conductors over a winding on one of said test relays to the other pole of said battery, one of said test relays which has been connected to an idle link and the said selecting magnet pertaining to said link being energized and marking said idle link for connection of a calling line connected by said cross-bar switch to a called line selectable by said link, and a make-contact actuated by said selecting magnet closing a circuit for said operating magnet belonging to the operating bar pertaining to the link.

2,575,883
FIRE ALARM
George Diehl Mateer, Ardmore, Pa.
Application December 1, 1948, Serial No. 62,871
2 Claims. (Cl. 177—355)

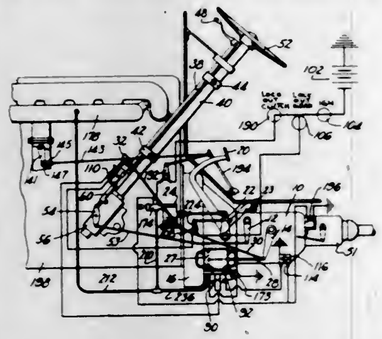


1. In an alarm, a buzzer having a core, having a coil around the core, having an armature pivotally mounted on one side of the coil and adapted to vibrate with respect to the coil and having a spring biasing the armature toward a position remote from the coil, an extension from the core to a position beyond the armature, a rate of rise thermostatic switch mounted on the extension and having an unshielded thermostatic switch element, a contact strip and an intermediate shielded thermostatic switch element, extending endwise beyond the unshielded element, connections placing the unshielded element and the contact strip electrically in parallel, connections placing the rate of rise thermostatic switch electrically in series with the coil, and an extension from the armature on the opposite side of the coil from the pivot engaging the extended end of the shielded element to move the same into contact with the contact strip when the coil is energized.

2,575,884
POWER TRANSMISSION CONTROL MECHANISM
Thomas L. Mayrath, Dayton, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application September 15, 1939, Serial No. 295,003, now Patent No. 2,296,289, dated September 22, 1942. Divided and this application November 18, 1941, Serial No. 419,649
15 Claims. (Cl. 192—.092)

1. In an automotive vehicle provided with an accelerator, a friction clutch and a change-speed transmission, means for operating the clutch and transmission including a pressure differential operated motor operably connected to the clutch, means for controlling the operation of said motor including an accelerator operated switch and a governor operable in accordance with the speed of the vehicle, pres-

sure differential operated means for operating the transmission to establish the same in one or another of a plurality of gear ratios, and means for controlling the operation of said



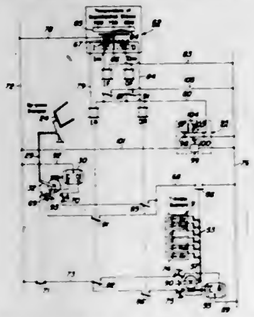
latter motor including said governor, a plurality of electromagnetically operated valves, and a switch operated by said first-mentioned motor.

2,575,885

STEAM SUPERHEAT CONTROL BY AUTOMATIC AND EXTENDED-RANGE MEANS

Harvey C. Mittendorf, East Orange, N. J., assignor, by mesne assignments to Combustion Engineering-Superheater, Inc., a corporation of Delaware

Application April 1, 1948, Serial No. 18,337
13 Claims. (Cl. 122—479)



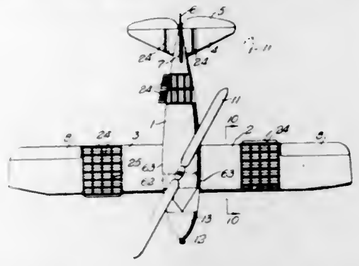
1. In a steam generator, a generally vertical furnace having a gas outlet at one end and walls lined with water cooled tubes, burners in the vicinity of the other furnace end for introducing into the furnace at a point remote from said gas outlet streams of fuel and air which create a mass of burning gas within said tube lined walls, a superheater carrying steam from the generator and receiving heat from the furnace gases which leave said outlet, a passage through which a portion of said furnace gases may bypass around said superheater and thereby cut down heat transfer thereto, a damper for adjusting the flow of said by-pass gases, means for tilting said burners whereby to alter the angle to the horizontal of the direction of said fuel and air streams so as to bring the vertical location within the tube lined walls of said mass of burning gas closer to or more remote from the furnace's said gas outlet, a motor for imparting tilt adjusting movement to said burners through said means, another motor for imparting position adjusting movement to said by-pass damper, an instrument for registering the temperature of the steam leaving said superheater, forward and reverse driving means for said burner motor respectively activatable by said instrument when said leaving-steam temperature falls below and rises above a desired value and then effective respectively to adjust said burners in direction bringing said burning gas mass closer to the furnace gas outlet and in direction bringing said mass further away from said outlet, forward and reverse driving means for said damper motor respectively activatable by said instrument when said steam temperature falls below and rises above said desired value and then effective respectively to adjust said damper in the by-pass gas increasing and in the by-pass gas decreasing direction, and control transfer means for causing said instrument to govern as aforesaid the said burner motor driving means at times and the said damper motor driving means at other times.

2,575,886

HELICOPTER ANTITORQUE MECHANISM

George Francis Myers, New York, N. Y.

Application February 27, 1943, Serial No. 477,359
6 Claims. (Cl. 244—6)



1. In a helicopter, a hollow body having apertures therethrough from top to bottom, a rotor giving torque and slipstream mounted above the body, an engine mounted on the body and connected to the rotor, a plurality of vanes pivoted on the top and on the bottom of the body directly under the slipstream, said vanes being movable between inactive and active positions, said vanes covering the apertures when in the inactive position and when active standing at an angle to the body and aligned in pairs slantingly; a plurality of additional vanes mounted inside the hollow body between the top and bottom thereof and in line with both the top and the bottom vanes making one continuous vane when the vanes are in their active positions, a rod or rods connected to all of the first mentioned vanes, and other rods connected to certain of the said vanes only.

2,575,887

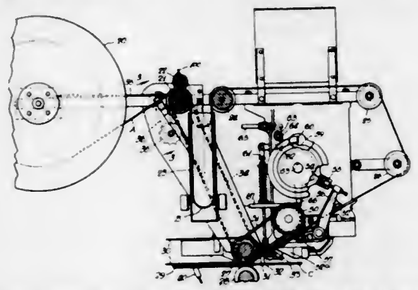
BOX BLANK TAPING MACHINE

Charles D. Nitchie, Haddonfield, N. J., assignor to Samuel M. Langston Co., Camden, N. J., a corporation of New Jersey

Application May 26, 1949, Serial No. 95,491
17 Claims. (Cl. 216—25)

1. A box-blank taping machine having means for intermittently feeding tape to a suspended loop supported only at the ends thereof, means for intermittently feeding tape to said loop, means for delivering tape intermittently from said loop to successive box blanks, thereby shortening said loop, means for projecting light rays

transversely of the path of the lower end of said loop, and means controlled by said light rays for



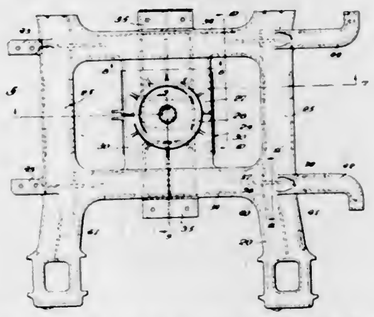
feeding tape to said loop only when said loop is out of the path of said light rays.

2,575,888

RAILWAY CAR TRUCK BOLSTER

Claude L. Orr, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio

Application December 7, 1944, Serial No. 566,988
3 Claims. (Cl. 105—229)



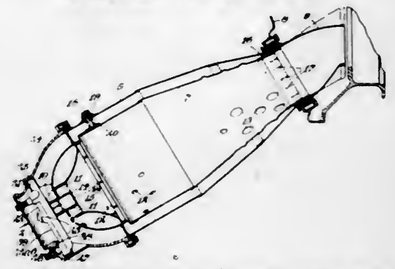
1. In a bolster for a railway car truck, a beam substantially box-shaped in section adapted to be arranged transversely of the truck including side walls and a top wall and a bottom wall, a beam extending longitudinally of the truck arranged substantially at right angles to the first beam, said longitudinal beam being substantially box-shaped in section having side walls and a top wall and a bottom wall, the top wall of the longitudinal beam adjacent the transverse beam lying in the horizontal plane of the top wall of the transverse beam and integral therewith, the bottom wall of the longitudinal beam adjacent the transverse beam lying in the plane of the bottom wall of the transverse beam and integral therewith, one side wall of the transverse beam being omitted across the width of the longitudinal beam, one side wall of the longitudinal beam being arcuate shaped adjacent the transverse beam and merging integrally with one side wall of the transverse beam, the other side wall of the longitudinal beam being arcuate shaped adjacent the transverse beam and merging integral with the contiguous side wall of the transverse beam, a vertically disposed rib joining the top and bottom walls of the transverse beam extending lengthwise thereof across the width of the longitudinal beam inwardly from the side walls of the transverse beam, and a vertically disposed rib joining the top and bottom walls of the longitudinal beam intersecting the first rib and extending across the transverse beam joining the top and bottom walls thereof.

2,575,889

BURNER ASSEMBLY FOR THE COMBUSTION CHAMBERS OF INTERNAL-COMBUSTION TURBINES

George Oulianoff, Rimington, near Clitheroe, England, assignor to Rolls-Royce Limited, Derby, England, a British company

Application March 3, 1947, Serial No. 732,075
In Great Britain March 26, 1946
4 Claims. (Cl. 60—39.65)



4. For use with a combustion chamber of an internal combustion turbine or the like which combustion chamber is of the class comprising an outer tubular casing and a flame tube supported coaxially within said tubular outer casing, a spider-like burner structure comprising an annular rim by which the spider-like burner structure is located within the combustion chamber, a central hub, a plurality of spokes connecting the central hub with the annular rim to support the central hub from the rim, said central hub having an axial extension from the outlet face of the spider-like burner structure, there being an axial bore in said central hub extension communicating with a fuel supply duct in one at least of said spokes, a fuel filter element accommodated in said axial bore, a jet element carried by said extension and communicating with the axial bore to receive filtered fuel therefrom, a cylindrical shroud secured on the central hub to surround said extension and extending axially from the central hub to adjacent the downstream end of said extension in radially-spaced relation to said extension thereby to afford therebetween an annular air space, air duct means in said central hub to convey air from the inlet face of the spider-like burner structure to said annular air space, outlet means from the downstream end of said annular air space to direct air flowing in said space inwardly over the downstream end of said extension towards said jet element, and a vane structure carried on said shroud and arranged to engage with the inlet end of said flame tube to support it from said central hub.

2,575,890

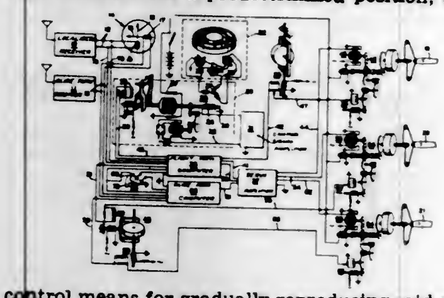
AUTOMATIC APPROACH CONTROL SYSTEM

Corles Melvin Perkins, Sr., Rutherford, N. J., and Alfred Bennett, Bronx, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application October 17, 1947, Serial No. 780,332
33 Claims. (Cl. 343—117)

1. In an automatic steering system for a vehicle having a control surface movable with respect thereto for controlling said vehicle about an axis thereof, a servomotor for operating said surface, reference means on said vehicle for generating a

signal proportional to the amount of departure of said vehicle from a predetermined position, and



control means for gradually reproducing said signal for operating said servomotor.

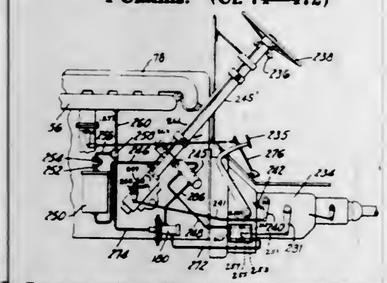
2,575,891

TRANSMISSION CONTROL MECHANISM

Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application December 31, 1941, Serial No. 425,113, now Patent No. 2,373,259, dated April 10, 1945. Divided and this application December 1, 1944, Serial No. 566,120

4 Claims. (Cl. 74—472)



1. In an automotive vehicle provided with an internal combustion engine having an intake manifold, an accelerator and a change speed transmission, power means for operating said transmission comprising a double-acting motor including a double-ended casing and a power element, said element together with the casing providing two motor compartments, a selector valve for in part controlling the operation of said motor, a power operated control valve for in part controlling the operation of said motor, air transmitting means interconnecting the manifold and selector valve, air transmitting means interconnecting said latter valve with one compartment of said motor, air transmitting means interconnecting the other compartment of said motor with said control valve and air transmitting means interconnecting the control valve with the selector valve.

2,575,892

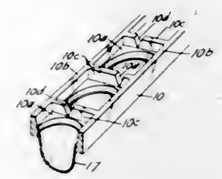
APPARATUS FOR PRODUCING SUBSTANTIALLY CLEAR ICE BODIES

Benjamin K. Roberts, Austin, Minn., and Clifford E. Enger, Los Angeles, Calif.; said Enger assignor to Roberts Products Incorporated, Austin, Minn., a corporation of Minnesota.

Application February 28, 1949, Serial No. 78,816

2 Claims. (Cl. 62—106)

1. Mechanism for producing clear ice bodies comprising at least one inclined trough, a plurality of open-topped cup-shaped molds mounted in longitudinally spaced relation in the bottom of said trough, and a plurality of spaced partitions transversely extending across said trough between the sides thereof and interposed between



said molds to produce a water head above each mold and cascade the water into the respective molds to produce circulation therein during the freezing operation and carry off the air bubbles from the liquid being frozen in said molds and produce clear ice cubes therein.

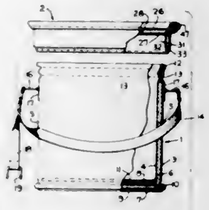
2,575,893

COLLAPSIBLE HEAT-INSULATED CONTAINER

Norman R. Seaman, Canal Fulton, Ohio

Application November 14, 1949, Serial No. 127,067

8 Claims. (Cl. 150—2.1)



1. A thermally insulating container comprising a bottom section, a side wall and a top section, each having inner and outer envelopes and a liner of heat-insulating material between said envelopes, the envelopes and liner of said side wall section, at least, consisting of pliable material whereby the top section is movable bodily toward the bottom section by deformation of said side wall section, and a carrying handle attached to the upper portion of said container, said handle comprising a main flexible strap with an auxiliary piece having a hook on its free end adapted to be passed around the said bottom section in collapsed condition of the container and the hook engaged in a loop in the main strap, whereby to retain the container in collapsed condition.

2,575,894

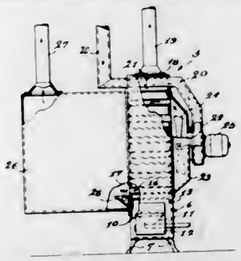
AIR CIRCULATING APPARATUS

John I. Shireman, Hershey, Pa.

Application April 9, 1948, Serial No. 20,069

1 Claim. (Cl. 257—171)

An air circulating apparatus comprising an upright casing, a heating unit mounted in the bottom portion of the casing, partitions forming baffles disposed within the casing above the heating unit and one above the other for directing products of combustion from the heating unit upwardly through the casing by an undulating circuitous route, said casing having a front wall, a rear wall and side walls, a plurality of tubes extending through the casing and opening outwardly of the front and rear walls, said tubes being disposed between the baffles, said baffles having staggered openings located adjacent said side walls for causing the products of combustion to pass back and forth in the casing between the baffles and around the tubes for heating the tubes, a jacket mounted on the outer side of the front wall and communicating with corresponding ends of the tubes, air propelling means disposed in the jacket for discharging air therefrom through the tubes for heating the air, said casing having a top wall spaced from the uppermost baffle, a flue stack rising from said top wall and disposed remote to the opening of the uppermost baffle, an air in-



let conduit having a discharge end opening into the jacket, said air inlet conduit having a horizontally disposed enlarged portion extending through the front and rear walls and through the casing between its top wall and the uppermost baffle and substantially filling the upper portion of the casing said enlarged portion of the inlet conduit forming a hollow baffle between the opening of the uppermost baffle and the flue stack around which the products of combustion pass to the flue stack for restricting the discharge of the products of combustion and for initially heating the air passing through the air inlet conduit, and an outlet jacket mounted on the rear casing wall into which each of the tubes discharge and having an outlet conduit leading therefrom for conveying the heated air from the apparatus.

2,575,895

METHOD OF MAKING FIBROUS PRODUCTS

Gerrit Johannes Sluiter, Amsterdam, Netherlands

Application September 22, 1949, Serial No. 117,247

In the Netherlands September 30, 1948

5 Claims. (Cl. 260—742)



1. A process for preparing a fibrous composition containing cellulose fibres, glue and a rubber in aqueous dispersed form which comprises adding 70–80 parts by weight of loosely cohering fibrous cellulose flock to a uniform aqueous dispersion of 5–25 parts by weight of glue, intimately mixing said fibrous cellulose flock with said glue dispersion, allowing said mixture of cellulose flock and glue dispersion to stand for a period of several hours, thereafter beating the fiber glue dispersion to effect uniform suspension of loose fibers in the glue dispersion, and mixing said suspension with 75–100 parts by weight of rubber solids in latex form, whereby to form a uniform composition adapted to be shaped and dried to form flexible articles.

2,575,896

DIESTERS OF UNSATURATED DIHYDRIC ALCOHOLS AND PREPARATION OF THE SAME

Curtis W. Smith and Douglas G. Norton, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 14, 1949, Serial No. 87,574

12 Claims. (Cl. 260—488)

1. A process of preparing 1,3-diacetoxypropene which comprises heating 1,1-diacetoxy-2-propene at a temperature from about 90° C. to about 125° C. in the presence of from about 0.1 per cent to about 2 per cent by weight of a strong mineral acid.

2,575,897

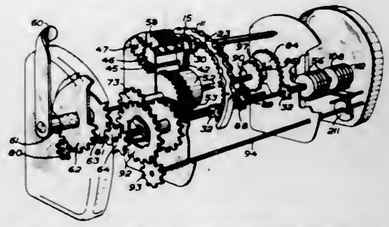
SELECTABLE VALUE TICKET PRINTING AND REGISTERING MACHINE

Gunnar Erik Sundman, Nacka, Sweden, assignor, by mesne assignments, to Almex, Inc., a corporation of Panama

Application April 4, 1946, Serial No. 659,544

In Sweden March 1, 1945

3 Claims. (Cl. 235—31)



1. In apparatus of the class described, the combination comprising a plurality of registers operable to accumulate in one of said registers values selected from one denominational order and to accumulate in another of said registers values selected from a different denominational order, a rotatable shaft and means actuated thereby for actuating one of said registers, there being one of said rotatable shafts and register-actuating means for each of said registers; a hand settable gear segment for each of several denominational orders, said gear segments being pivotally mounted about a common axis; mechanisms for setting-up values determined by the positioning of individual ones of said gear segments, each of said setting-up mechanisms comprising a differentially rotatable shaft, a carriage positionable by said differentially rotatable shaft, a coupling gear splined to one of said first-named rotatable shafts and slidable longitudinally thereof by said carriage, gearing connecting between an individual one of said gear segments and its associated differentially rotatable shaft for positioning said carriage and coupling gear proportionally to a selected set position of the associated gear segment about its pivot center; a rotatable step gear common to all of said registers, said step gear being mounted on an axis central to all of said coupling gears and engageable therewith, and means for rotating said step gear to drive all of said coupling gears and enter values in the respective registers corresponding to the values determined by set positions of the gear segments of the respective denominational orders during one revolution of said step gear.

2,575,898

PADDING FOR PACKINGS AND METHOD OF MANUFACTURING THE SAME

Paul Tadinger, Vienna, Austria, assignor to Oscar Leopold Ladner, Vienna, Austria

Application May 24, 1949, Serial No. 95,084
In Austria March 17, 1949
3 Claims. (Cl. 154—110)



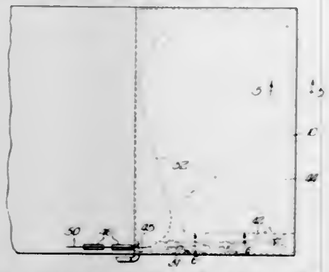
1. A method of making shock absorbing cushions for insertion in containers comprising applying adhesive in tacky condition to the corrugations of a continuous strip of corrugated cardboard, rolling said strip into a loose roll of desired dimensions, severing said strip to separate the roll therefrom, subjecting the roll to heat and pressure while the adhesive is still tacky to alter its bodily form and provide a body structure including at least one leg and an end member extending therefrom, the pressure being applied in a direction perpendicular to the axes of the corrugations and maintaining the application of heat and pressure until the adhesive has solidified to maintain the altered form.

2,575,899

AUTOMATIC WIRE TYING MACHINE

Willard F. Vining, Chicago, and Martin L. Rowe, Oak Park, Ill., assignors to Gerrard Steel Strapping Company, a corporation of Delaware

Original application December 23, 1940, Serial No. 371,334, now Patent No. 2,416,859, dated March 4, 1947. Divided and this application March 3, 1947, Serial No. 732,090
4 Claims. (Cl. 100—31)



1. In a machine of the character described, means for feeding wire from a supply, means for reversing the feed of the wire, means for forming into a loose loop of progressively increasing size the wire accumulating by reason of the reversal of the feed, and one-way clutch means engageable with the wire intermediate the loop therein and the supply for preventing the wire in the loop from moving backwardly toward the supply.

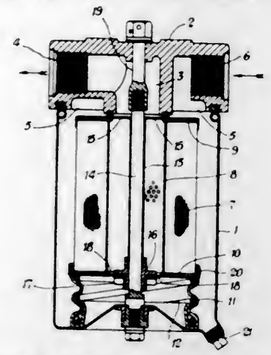
2,575,900

FILTER

Cecil Gordon Vokes, Guildford, England, assignor to Vokes, Limited, Guildford, England, a British company

Application August 13, 1946, Serial No. 690,096
In Great Britain March 16, 1945
4 Claims. (Cl. 210—183)

1. A filter unit, comprising a casing having an inlet and an adjacent outlet both in the top wall thereof, a filter cage having top and bottom end walls and an outlet in the top end wall thereof, said cage being mounted in said casing with its outlet aligned with said casing outlet and its top wall extending laterally beyond said casing outlet and subject to inlet pressure, means in said casing for resiliently biasing said cage against the top wall of said casing for direct



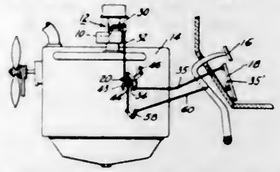
communication between said cage and casing outlets, and a shield extending between the bottom end wall of said cage and said casing and shielding the bottom of said cage from inlet pressure, whereby said cage may be bodily moved by excessive inlet pressure to bypass across the top of said cage directly between said inlet and casing outlet.

2,575,901

THROTTLE CONTROL

Richard H. Wheeler, Utica, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 30, 1947, Serial No. 794,477
3 Claims. (Cl. 192—.096)



1. A control mechanism adapted to be incorporated in the power plant of an automotive vehicle including a mounting shaft, an angularly movable lever unit rotatably mounted on said shaft, said unit including two relatively movable members, and stop means for preventing the actuation of one of the two members of said lever unit including a stop member rotatably mounted on said shaft and adapted to abut a portion of the last mentioned member of the lever unit, and means for operating the stop member including a lever member rotatably mounted on the shaft and yieldable means interconnecting the lever member and stop member.

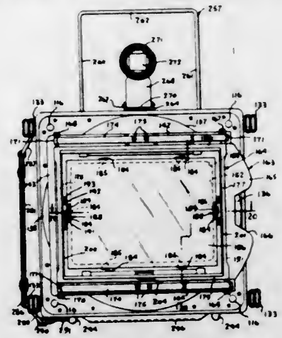
2,575,902

AIR VENT AND FOCUSING SCREEN SUPPORT FOR BELLOWS TYPE CAMERAS

Victor Yager, Long Island City, and Jacob Woermann, Glendale, N. Y.

Application June 26, 1947, Serial No. 757,130
1 Claim. (Cl. 95—46)

In a camera, a body, a back plate on said body, a bed hingedly connected to said body, a lens support movable along said bed, a bellows between said lens support and said back plate, a generally rectangular opening formed in said back plate, a plurality of supporting bosses disposed in spaced relation about all sides of said opening, each of said bosses being stepped to provide on each boss a supporting step and an overhanging step, said supporting steps being on a common level, a rectangular focusing screen



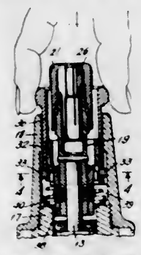
supported on said steps and confined against lateral movement in either direction on the plane of said steps by said overhanging steps, and spring means oppositely disposed on said back plate engaging said screen and retaining it on said supporting steps, the spaces between said bosses and the edges of said back plate and said screen defining areas through which air may pass laterally into and from said bellows as said lens is moved along said bed.

2,575,903

POWER TOOL CHUCK

Joseph Younouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application January 25, 1949, Serial No. 72,610
8 Claims. (Cl. 279—52)



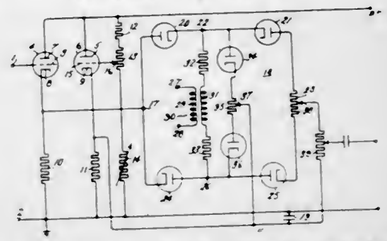
5. In a power-operated tool, a casing having a power shaft rotatable therein; chuck means carried by the shaft, having one part secured to and turnable with the shaft and another part exposed for manipulation and turnable with respect to said one part to tighten or loosen the chuck means; means including a manually operable member movable in a predetermined path to and from a given position for positively locking said one part and shaft to the casing against turning in either direction when the member is out of said given position, thereby to enable the exposed part of the chuck means to be forcibly turned with respect to the said one chuck part to operate the chuck means; a spring operable to return the manually operable member to said given position; and automatically releasable means for holding the member out of said given position against the action of the spring, said means being released in response to turning of the shaft under its power in the other direction whereby the spring automatically returns the member to said position, unlocking the shaft.

2,575,904

ELECTRIC CHOPPER CIRCUIT

Alfred F. Bischoff, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York

Application September 16, 1949, Serial No. 116,197
4 Claims. (Cl. 250—27)



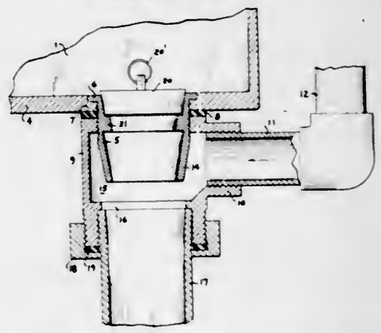
3. An electronic chopper circuit comprising, a direct current input terminal and an alternating current output terminal, a bridge circuit connected between said input and output terminals including two pair of diodes connected as balancing arms thereof and a source of alternating voltage as a diagonal arm thereof, each pair of diodes being connected in series conducting relation with respect to said alternating voltage source for alternations of one polarity and in non-conducting relation for alternations of an opposite polarity, a third pair of diodes connected across said alternating voltage source and in series conducting relation therewith during alternations of said opposite polarity only, and means including a potentiometer connected in series between said last mentioned pair of diodes for connection to a reference unidirectional voltage source for adjusting the unidirectional voltage drop across said pair of diodes with respect to a unidirectional signal voltage supplied to said input terminal.

2,575,905

WASTE FLOW CONTROL

Edward W. N. Boosey, Detroit, Mich.

Application September 20, 1949, Serial No. 116,803
2 Claims. (Cl. 4—211)



1. A waste flow control for a sink having an outlet comprising an outlet fixture secured within said outlet and depending from said sink, a

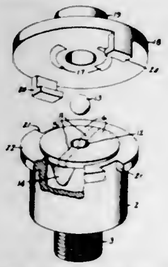
chambered member surrounding the depending end of said fixture and secured thereto, said member having a lateral inlet opening and an outlet opening in its bottom wall, an air vent pipe joined to said member at its inlet opening, a waste conduit with its upper end projecting up into the outlet opening of said chambered member, the portion of said member adjacent said outlet being exteriorly threaded, and an interiorly threaded apertured cap fitted over said waste conduit and threadably joined to the exteriorly threaded portion of said chambered member.

2,575,906

ADJUSTABLE MAGNETIC PRESSURE VALVE

Robert O. Bullard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 27, 1948, Serial No. 67,328
7 Claims. (Cl. 137—139)



4. An adjustable pressure valve comprising a valve casing having a vertically arranged passage terminating in a horizontally arranged apertured valve seat, said seat being in the form of a flat disc comprising two pole pieces of opposite polarity on opposite sides of said aperture joined by sections of non-magnetic material, a ball of magnetic material adapted to rest in said aperture and to be magnetically held therein by said pole pieces, and means for adjusting the magnetic pull exerted on said ball comprising a body of non-magnetic material having a flat bottom portion in sliding contact with the upper surface of said seat and a tapered magnetic insert so constructed and arranged in the bottom of said body as to contact the upper surface of said valve seat whereby rotation of said body about its vertical axis will cause said insert to bridge said pole pieces and vary the magnetic pull on said ball.

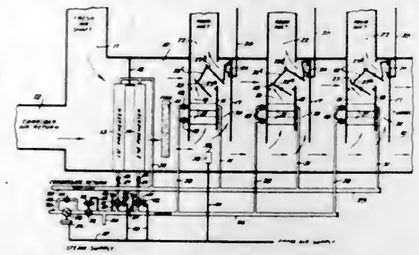
2,575,907

FORCED AIR HEATING APPARATUS

Charles W. Carlson, Chicago, Ill.

Application January 24, 1951, Serial No. 207,467
6 Claims. (Cl. 237—2)

1. In a forced air heating apparatus of the class described wherein cold air is fan-supplied to an enclosed heating zone in which said air is first preheated to a selected temperature and then further heated to a higher distribution temperature by steam radiators, said apparatus including a preheating radiator and a reheating radiator connected in parallel by branch pipes to a steam supply main and having condensate return pipes attached thereto, the combination with said apparatus of a motor-controlled gate valve means in said supply line together with a pressure regulating means, both of said means being located above the juncture of said branch pipes so as to control the imput quantity and pressure of steam to both of said radiators, a motor-controlled gate valve means in the branch pipe between said supply main and said preheating radiator to separately control the supply of steam to said preheating radiator, and a thermostat control means responsive to variations in the preheated air temperature actuating both of said motor-controlled valve means, said thermostat means being set to open and close both of said valve means over narrow overlapping temperature ranges and to begin to open said pre-



heater valve means at a slightly higher temperature than said supply main valve means, whereby excess steam in said reheating radiator can be distributed to said preheater radiator before additional steam is supplied to both of said radiators by said supply main valve means and when additional steam is required said steam is supplied incrementally at pressures corresponding with those required to maintain the selected preheated air temperature.

2,575,908

TIRE INFLATING DEVICE

John Kingdon Clifford, Coronado, Calif., assignor of one-half to Walter Clifford

Application November 20, 1946, Serial No. 711,149
5 Claims. (Cl. 152—415)



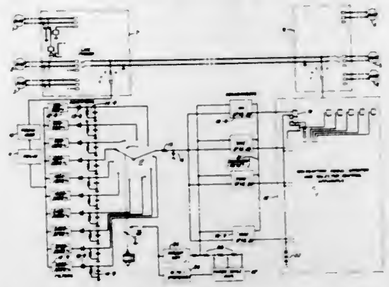
1. In combination with the valve structure of a tire inner tube wherein a valve is supported in the upper portion of a nipple by a stationary threaded member having a hole therethrough, said valve being provided with a valve stem guided in the hole in said threaded member and normally projecting thereabove but yieldable under pressure to seat on said threaded member, a container holding compressed gas and sealed at one end by a puncturable diaphragm, a puncture pin movably supported in said container adjacent said diaphragm, means for coupling said container to said nipple to seal the connection and to force said puncture pin against said diaphragm, said puncture pin being engaged by said threaded member upon depression of said valve stem to unseat said valve, whereby compressed gas flows through said punctured diaphragm and said valve structure to inflate said tube.

2,575,909

VOICE-OPERATED SYSTEM

Kingsbury H. Davis, Bernardsville, and Ralph K. Potter, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 1, 1949, Serial No. 102,506
22 Claims. (Cl. 179—16)



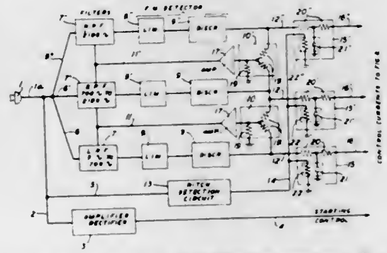
1. In a voice-operated system, means for analyzing the progressive sound of a spoken word into fresuency components, means for generating a signal related to the components of an early part of a standard word as spoken by a reference voice, means for modifying said signal in relation to various individual voices, means for balancing said signal against the components of said spoken word to provide a match signal when a balance is obtained, means under control of said match signal for advancing in time the part of the standard word to which said generated signal is related, and means controlled by persistence of said match signal throughout the course of said advance to the final part of said standard word for generating an identification signal.

2,575,910

VOICE-OPERATED SIGNALING SYSTEM

Robert C. Mathes, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 21, 1949, Serial No. 116,979
12 Claims. (Cl. 179—16)



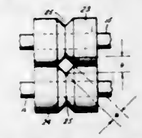
1. In a voice sound identifying system, in combination with a source of an unknown complex signal having a multiplicity of different frequency components, apparatus for identifying said signal which comprises means for deriving from said components a pattern representative of the frequencies of energy maxima of said signal, a reference pattern similarly representative of the energy maxima of a standard signal, means for progressively comparing said first-named pattern with said reference pattern at a standard speed, means for deriving a mismatch signal from said comparison, and means under control of said mismatch signal for varying the rate of comparison.

2,575,911

WIRE ENAMELING DIE

Robert H. Denham, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application February 27, 1948, Serial No. 11,591
11 Claims. (Cl. 91—53)



1. In an apparatus for coating wire, cable, and like work having a circular cross section, means for uniformly distributing a coating on said work of enamel, varnish, or lacquer material by virtue of the surface tension exhibited by said material including a pair of cylindrical rollers each of which has in the periphery thereof an identical annular groove having a cross section defined by a plurality of equally spaced points lying on the circumference of a circle interconnected by lines lying outside of said circumference, and means including a support shaft and a pair of spaced rods rotatably supported thereon for respectively supporting said rollers in contact relationship so that the axes thereof will be parallel, lie in a common horizontal plane and the matched grooves therein will form an enclosed die opening having a maximum cross sectional dimension greater than the work being coated and a minimum cross sectional dimension at least equal to the work being coated.

2,575,912

SILICONE RESIN SOLUTIONS

Charles D. Doyle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application March 22, 1951, Serial No. 217,053
9 Claims. (Cl. 260—32.6)

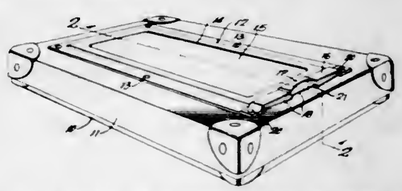
1. A composition of matter comprising (1) a gelled hydrocarbon-substituted polysiloxane resin in which the hydrocarbon groups thereof are attached to silicon atoms by carbon-silicon linkages, and (2) a solvent for (1) comprising a trialkylamine containing from 2 to 3 carbon atoms, inclusive, in the alkyl groups.

2,575,913

ADDRESS CARD HOLDER FOR SHIPPING CONTAINERS

Fred L. Eastman, Chicago, Ill., assignor to Compco Corporation, Chicago, Ill., a corporation of Illinois

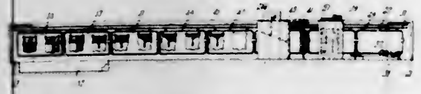
Application September 1, 1949, Serial No. 113,548
3 Claims. (Cl. 40—17)



1. An address card retainer for a case, comprising a bracket secured to a side of said case and providing a receptacle for receiving an address card with an opening at one end of the

receptacle for receiving the address card, said bracket near the open end of said receptacle being provided with a raised portion, and a spring having its ends secured to said case and extending across the open end of said receptacle, said spring being downwardly-bent to engage the wall of the case by being flexible upwardly into the raised portion of said bracket to open the entrance to said receptacle.

2,575,914
CONVEYER
Roger L. Griffin, Marblehead, and Norman Y. Moore, Danvers, Mass., assignors to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine
Original application March 23, 1944, Serial No. 527,706, now Patent No. 2,488,907, dated November 22, 1949. Divided and this application November 23, 1946, Serial No. 712,010
5 Claims. (Cl. 104—168)



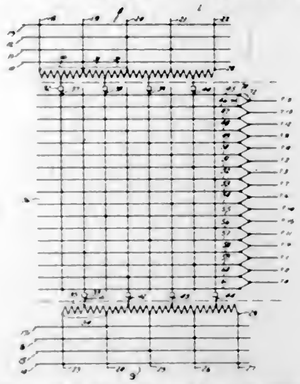
1. In a conveyor system of the type having an overhead track, trolleys thereon, and plates suspended from the trolleys, power driven feeding means for advancing the plates along the track, said means comprising three power driven rolls positioned beneath the track in the line of feed of the plates to engage the bottom edge of a suspended plate to advance the same, and an over running clutch to permit free rotation of the first roll in the line of feed at a speed in excess of the driven speed of the two rolls, the two other rolls being mounted in a frame pivoted midway the rolls upon a horizontal axis transverse to the line of feed.

2,575,915
NICKEL BASE HIGH-TEMPERATURE ALLOY
Albert G. Guy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 21, 1945, Serial No. 595,081
2 Claims. (Cl. 75—171)

1. A cast heat-resistant alloy having a high rupture strength at elevated temperatures in the as-cast condition and essentially consisting of 5 to 20% chromium, 5 to 15% molybdenum, 4.5 to 6% aluminum, about 2% columbium, about 0.5% boron, and about 0.1% carbon, the remainder, except for minor impurities, being metal from the group consisting of cobalt and nickel, the cobalt content of the alloy being not greater than 20%.

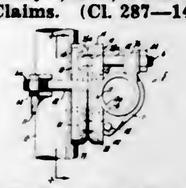
2,575,916
ELECTRIC SELECTING MATRIX
George W. Hobbs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1949, Serial No. 130,144
8 Claims. (Cl. 177—353)

8. A multiple-stage electrical selecting network, each stage comprising one or more separate electrical matrices having input terminals and output terminals, the output terminals of prior stages being connected to the input terminals of the next subsequent stages, each of said matrices comprising input conductors extending from said input terminals, output conductors suitably respectively directly crossconnected with said input conductors and a single resistor element having a plurality of equally spaced equal resistance taps, alternate ones of said taps being connected to said output conductors and said



output terminals whereby simultaneous application of a voltage to two adjacent output conductors causes a similar voltage at the output terminal connected to the resistor tap intermediate the resistor taps to which said two adjacent output conductors are connected.

2,575,917
SWIVEL COUPLING
Wallace J. S. Johnson, Berkeley, Calif., assignor to Up-Right, Inc., Berkeley, Calif., a corporation of California
Application July 1, 1949, Serial No. 102,541
9 Claims. (Cl. 287—14)

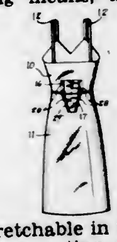


1. A coupling device comprising a pair of swivel members arranged in back-to-back relationship, connecting means extending therethrough to hold said members in axial alignment but to allow relative rotative movement, clamping means cooperating with the face of one of said swivel members, and clamping means cooperating with the face of the other of said swivel members and mounted on said connecting means so as to rotate with said other swivel member.

2,575,918
SEPARABLE SLIP
Samuel Katz, Bronx, N. Y.
Application April 14, 1949, Serial No. 87,389
9 Claims. (Cl. 2—70)

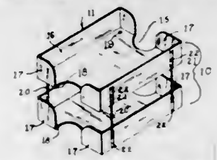
1. A garment of the kind described, comprising separate bodice and skirt portions, means for detachably connecting said portions along a line girthwisely extending relative the garment, and elastic inserts at the waist region of the garment, one such insert at the lower part of the bodice portion and the other at the upper part of the skirt portion, said inserts being arranged one above the other, and said connecting means being continuously extended all around the garment except for a distance substantially equal to the

width of said inserts at their adjacent ends, said inserts being located between the adjacent ends of said connecting means, the garment being



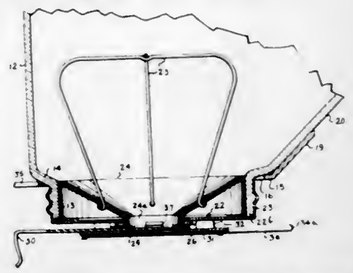
relatively non-stretchable in the direction of extension of said connecting means all the way along the length of the latter.

2,575,919
BUILT-UP LETTER TRAY
Harry L. Kautsmann, Ozone Park, and Joseph A. Berardi, Brooklyn, N. Y., assignors to Nu-Craft Products Co., Brooklyn, N. Y.
Application November 14, 1947, Serial No. 785,893
2 Claims. (Cl. 211—126)



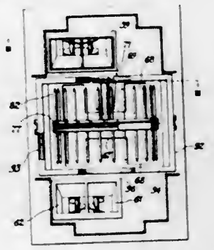
1. A build-up tray assemblage, comprising a plurality of trays one to be spaced above another, said trays having substantially vertically rising walls, means for connecting said trays one spaced above another, said means partially carried by each tray and partially constituted by a plurality of posts each substantially vertically arranged, the parts of said means carried by the trays being a plurality of vertically extending elongate receptors for end portions of the posts, said receptors open from end to end and exteriorly secured to the trays at their said walls, each of said posts having end portions each endwisely insertable into one of said receptors, said posts having lateral projections for acting as stops against the ends of receptors for insuring that the maximum insertion of an end portion of a post into a receptor will be to the extent only of substantially half the length of a receptor, said posts being cylindrical, said receptors being laterally arched for snug fit against the rotundity of an end portion of the post, said projections on a post being constituted, adjacent the inner end of each of a post's said end portions, as a pair of ribs elongated in the direction of length of the post, each of said receptors in part incorporating a laterally arched elongate rectangular piece of sheet material secured adjacent its sides to one of said walls and in part incorporating an adjacent portion of such wall, whereby the receptor is substantially C-shaped in cross section, the top of each receptor being spaced below the top of its carrying tray walls and the bottom of each receptor being spaced above the bottom of said wall, said walls being of resilient material, whereby with an end portion of a post inserted into a receptor, and with the post angularly positioned to have one of its ribs bear at its crest against said wall, said wall will be resiliently deformed to act as a quasi-leaf-spring impositive detent for gripping said end portion of the post.

2,575,920
DISPENSING MECHANISM FOR BULK MATERIAL
William J. Kilpatrick, Detroit, and Leo F. Butler, Highland Park, Mich.
Application March 20, 1946, Serial No. 655,808
3 Claims. (Cl. 222—185)



2. In a dispensing mechanism for bulk material, a container for such material having a downwardly directed outlet, a closure for said outlet formed with a smaller outlet, a funnel-shaped member within the container for guiding discharging material to said orifice, an agitator carried within the container upon the funnel-shaped member, a shutter carried by and beneath said closure for opening and closing said smaller outlet, and means for rotating the funnel-shaped member responsive to travel of the shutter.

2,575,921
DEVICE FOR PRODUCING FOOD PRODUCTS
John J. Krantz, Bradford, Pa.
Application August 29, 1946, Serial No. 693,768
16 Claims. (Cl. 107—1)

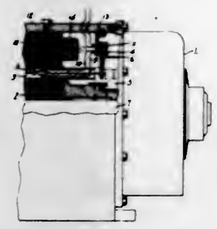


1. A device for producing a food product comprising at least two food ingredient containers, an endless conveyor in the form of a revolvable wheel, a plurality of uniformly spaced spits mounted on and extending away from the circumferential portion of said wheel, means operable to combine determined quantities of the food ingredients into food products and impale them on said spits, and means operable, following predetermined rotation of said wheel, to strip said products from said spits.

2,575,922
TEMPERATURE MEASURING DEVICE
Daniel F. Langenwalter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 28, 1950, Serial No. 197,955
2 Claims. (Cl. 73—351)

1. In a device for measuring temperatures inside the rotor of a rotating machine, a capacitor

having a capacitance variable in response to changes in temperature embedded within said rotor, a first electrical winding mounted on said rotor and connected electrically across said capacitor, a second electrical winding, means mounting said second electrical winding adjacent to said first electrical winding to provide an inductive coupling therebetween substantially



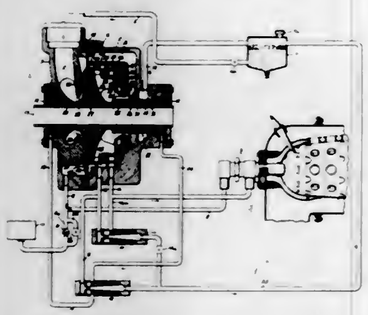
unaffected by the rotation of said first winding, a pair of conductors for supplying a periodically varying voltage to said second winding and an electroresponsive indicating device electrically connected to said second winding responsive to the effective value of the current flowing in the circuit of said second winding.

2,575,923

METHOD AND APPARATUS FOR PUMPING VOLATILE LIQUIDS

Kenton D. McMahan, Schenectady, and Kenneth A. Darrow, Sprakers, N. Y., assignors to General Electric Company, a corporation of New York

Application December 29, 1948, Serial No. 67,946
7 Claims. (Cl. 103—2)



1. In a continuous method of delivering a liquid at a high pressure free of dissolved gases and foam, the steps which include drawing liquid continuously from a reservoir, agitating the liquid violently at a pressure below that in the reservoir to effect separation of gases from the liquid, causing the resulting mixture of form and liquid to flow at comparatively low velocity and at a relatively low pressure through a conduit of such length as to provide an appreciable time interval to permit the gases to further separate from the liquid, the low velocity and pressure in said conduit reducing the tendency of the gases to go back into solution in the liquid, subjecting the mixture of liquid and foam to strong centrifugal forces with a minimum of agitation whereby gas-free liquid is centrifuged from the foam, and separately drawing off the gases and foam adjacent the center of the centrifuge and drawing off gas-free liquid at the outer periphery of the centrifuge at a limited rate, so that the mixture is retained in the centrifuge chamber for an appreciable time interval to effect thorough separation of liquid and gas.

2. Apparatus for supplying substantially gas-free liquid at a high pressure including a liquid reservoir, a first high-speed rotor having fluid flow passages for violently agitating liquid from said reservoir at a pressure below that in the reservoir and then raising it to a pressure above that in the reservoir, a second high-speed centrifugal rotor defining a centrifuge chamber in which the mixture of foam and liquid is caused to whirl as a forced vortex with a minimum of agitation, stationary walls defining a conduit of substantial length connecting the discharge of the first rotor with the inlet of the second rotor and including a flow-restricting orifice adjacent the exit of the first rotor to limit the discharge therefrom, whereby the major portion of said conduit is maintained at a pressure below the discharge pressure of the first impeller and the tendency of the gases to re-enter solution in the liquid is reduced, walls defining a conduit connecting the centrifuge chamber with the reservoir for drawing off foam and entrained gases from the radially inner portion of said centrifuge chamber and returning the gas and foam mixture to the reservoir, and other restricted conduit means communicating with radially outer portions of said centrifuge chamber for drawing off substantially gas-free liquid at a high pressure.

2,575,924

CORNER MOUNT AND METHOD AND MACHINE FOR MAKING THE SAME

William B. Miner, Reading, Mass., assignor to Ace Art Company, Reading, Mass., a corporation of Massachusetts

Application May 16, 1947, Serial No. 748,624
4 Claims. (Cl. 40—158)



1. The method of making a corner mount, which comprises folding inwardly the forward corners of a strip of material, partly severing said strip from its side edges inwardly and spaced back from said corners and folding in the corners formed by and at the rear of such partial severing, and adhesively securing to said corners first folded in a base piece of sheet material and completing the severance of said strip in substantial alinement with said partial severance.

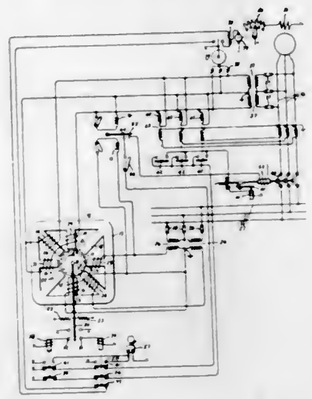
2,575,925

DUAL POTENTIAL UNBALANCE RESPONSIVE DEVICE

William C. Morris, Sharon Hill, Pa., assignor to General Electric Company, a corporation of New York

Application June 9, 1950, Serial No. 167,158
8 Claims. (Cl. 175—294)

7. In combination a dual polyphase potential unbalance responsive device having two polyphase potential supply sources and a movable control member selectively operable by the responsive device upon any phase failure of either source and an independent potential responsive control device normally responsive to the potential of one of the sources and having means under control of the control member for rendering the independent control device ineffective upon a



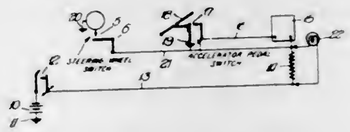
predetermined selective operation of the control member.

2,575,926

SLEEP INHIBITOR FOR MOTOR VEHICLE OPERATORS

James S. Murray, Tampa, Fla.

Application April 12, 1949, Serial No. 87,079
5 Claims. (Cl. 177—311)



1. In an alarm system for waking a dozing driver of an automotive vehicle, an audible signaling device, an accelerator switch having contacts closed when the accelerator is out of normal position, a steering wheel switch having contacts closed when the wheel is grasped by the driver, and circuit means over which said signaling device is short-circuited so long as the grip on the steering wheel is maintained and the steering wheel switch thereby closed while the accelerator is out of normal and the accelerator switch is operated.

2,575,927

BORON CARBIDE MATERIAL AND PROCESS OF MAKING SAME

Franz Pfeiffer, Innsbruck, Tirol, Austria, assignor to D. Swarovski Glasfabrik und Tyrolit Schleifmittel-Werke, Wattens, Tirol, Austria

No Drawing. Application September 26, 1947, Serial No. 776,417. In Austria May 23, 1947
8 Claims. (Cl. 106—43)

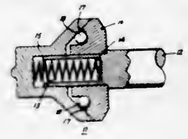
1. The process of making an extraordinarily tough solid solution of boron carbide, phosphorous, ferrum, carbon, free of free elementary carbon, comprising melting a mixture of boric acid, of an equivalent amount of carbon, ferric oxide, and of pure phosphorus amounting to 0.5 to 20 per cent of the total amount of ferrum in the mixture, the ferrum content of the finished product amounting to not more than 30 per cent of the product.

2,575,928

MOTOR SPEED GOVERNOR

Thomas Preston, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application April 28, 1951, Serial No. 223,526
3 Claims. (Cl. 200—80)



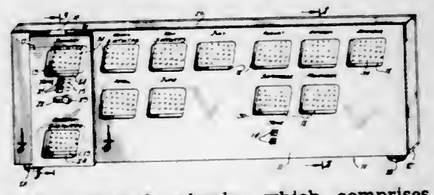
1. The combination with an electric motor having a shaft, of a governor structure for regulating the speed of the motor comprising a fixed contact, a spring contact arm fixed at one end and provided with a movable contact which engages said fixed contact, said contact arm extending across the end of the shaft and being biased to hold the movable contact in engagement with the fixed contact, an adjustable spring biased member which engages said contact arm on it side remote from the shaft which serves also to bias the movable contact toward the fixed contact, an axially slidable member positioned on the shaft having a forward end which engages said contact arm on its other side and in opposed relation to said spring biased member, its rear end having a rearwardly facing flat surface, spring means which engages and biases said slidable member into engagement with said contact arm, said spring means having a biasing force less than the combined biasing force of said spring arm and said spring biased member, and means carried by the shaft and movable axially thereof in response to the speed of rotation of the shaft having parts which push against said flat surface to move the slidable member axially to thus move said contact arm to effect opening of said contacts.

2,575,929

PERPETUAL CALENDAR

Elizabeth Roesholm, Bronx, N. Y.

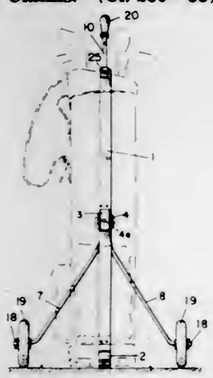
Application July 20, 1950, Serial No. 174,970
5 Claims. (Cl. 40—117)



1. A perpetual calendar which comprises a movable tape, blocks of day numbers printed on said tape in rows, one block for February, one for the thirty-one day months and one for the thirty day months, masking means for said tape having therein a plurality of windows, one for each month, said blocks of numbers being so arranged that the correct day numbers of the appropriate month are visible through each said window, means for indicating the positions in each said window of the seven days of the week, blocks of year numbers on said tape arranged in rows, twenty-eight numbers to a row, one for January and February and one for the other months, windows in the masking means for viewing one said year number in each row at a time, the year numbers for January–February being

so arranged that a number position is left blank between each leap year number and the number for the following year, and the year numbers of the other block being arranged so that the blank space is left between each leap year number and the number of the preceding year, and means for shifting the January–February day and year windows one space lengthwise of the said rows, the arrangement of the day numbers and the positional relationship between the year numbers and the day numbers being such that the day numbers are located in the correct day of the week positions in said windows when each of the twenty-eight year numbers in a row is visible.

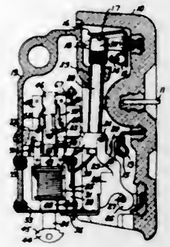
2,575,930
WHEELED GOLF BAG CARRIER
Anthony M. Schwartz, Washington, D. C.
Application May 28, 1947, Serial No. 751,048
6 Claims. (Cl. 280—53)



3. A wheeled carrier for a golf bag, comprising a metal plate member extending substantially the length of the bag and fastened thereto, a pair of elongated wheel supports, each of said supports having a wheel rotatably secured to one end and having the other end free, each of said supports being adapted for insertion into the bag to be carried therein, an elongated handle member for pushing said carrier, said handle member having a free end, a clamping structure on an intermediate portion of said plate to receive the free ends of said supports and handle, said clamping structure comprising a pair of upstanding side flanges, said free ends of said supports lying side by side against the inner surfaces of said flanges with a snug fit and said free end of the handle overlying said free ends of said supports, and a single means for detachably and rigidly connecting the free ends of the wheel supports and the handle member in said clamping structure to the plate member, said wheel supports when in attached position diverging from each other and receding from said plate member.

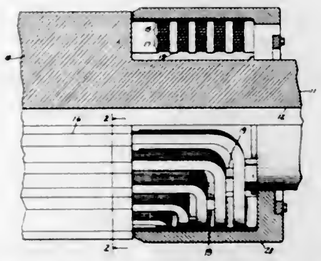
2,575,931
ISOLATING DEVICE
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 1, 1948, Serial No. 47,298
8 Claims. (Cl. 200—108)

1. In a circuit opening device, a pair of cooperative contacts, means biasing one of said contacts out of engagement with the other contact, means holding said contacts in engagement against the biasing action of said biasing means, current responsive means movable from a normal at rest position in response to a predetermined current impulse through said contacts above a predetermined value to effect release of said contact holding means, means including inertia means operative in response to movement of said current responsive means to block release of said contact holding means upon the occurrence of a first current impulse through



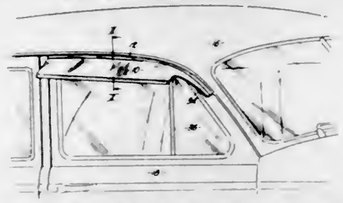
said contacts above said predetermined value, spring means operative to render said blocking means ineffective upon the occurrence of a fall of said current below a predetermined value and permit release of said contact holding means upon the occurrence of a closely succeeding subsequent current impulse through said contacts above said first mentioned predetermined value and time delay means operatively connected to said current responsive means and effective to delay return of said current responsive means to its normal at rest position prior to the occurrence of said subsequent current impulse.

2,575,932
DYNAMOELECTRIC MACHINE ROTOR AND WINDING
Hamilton D. Taylor, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 5, 1949, Serial No. 125,815
6 Claims. (Cl. 171—206)



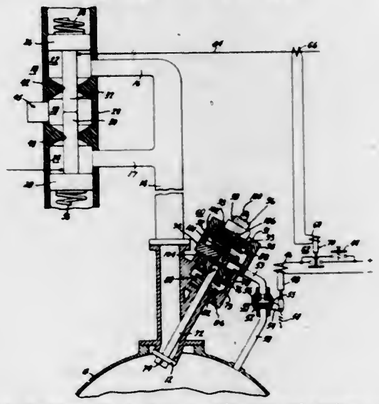
1. A winding for a dynamoelectric machine slotted rotor core, said winding comprising axially extending bars of conductor material located in a radially inner portion of each rotor slot, axially extending bars of greater width than said first-mentioned bars and of lighter weight poorer conductor material than said first-mentioned bars and located in a radially outer portion of each rotor slot, end turns for said second-mentioned bars comprising integral extensions thereof, and end turns connected to said first-mentioned axially extending bars, said last-mentioned end turns comprising conductors of the same material and width as said first-mentioned end turns.

2,575,933
DETACHABLE VISOR FOR AUTOMOBILES
Wroten A. Thorne, Eastwood Hills, Mo.
Application September 7, 1948, Serial No. 48,052
1 Claim. (Cl. 296—44)



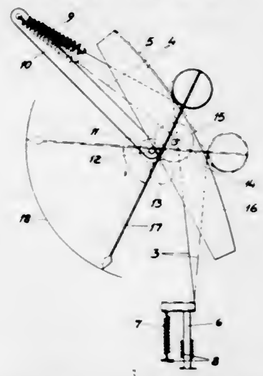
For an automobile door having an outwardly swinging window vane and a flange extending upwardly along the uppermost edge thereof and laterally along the forwardmost and rearmost edges thereof, a visor comprising an elongated, transversely inclined, flat panel; an elongated, transversely vertical valance strip depending from the lowermost, longitudinal edge of the panel and integral therewith; a triangular end wall integral with the panel and said strip at one end thereof, the opposite end of the panel and the strip being cut away to clear said window vane when the latter is opened, presenting an elongated, transversely inclined and longitudinally arched finger extending outwardly from said opposite end of the panel and downwardly from the uppermost edge of the panel; a U-shaped channel member coextensive with the length of the panel and the finger at the uppermost edges thereof and integral therewith, said channel member being adapted for looping over said flange at the uppermost and forwardmost edges of said door; a vertical, U-shaped channel member integral with the end wall and adapted for looping over said flange at the rearmost edge of the door; and a plurality of set screws on the innermost leg of said channel members and adapted to bear against the inner face of the flange to draw the other leg of the channel members tightly against the outer face of the flange.

2,575,934
AUTOMATIC VALVE CONTROLLING MECHANISM FOR ELECTRIC CIRCUIT BREAKERS
Julius W. Timmerman, Jr., Waukesha, Wis., assignor to General Electric Company, a corporation of New York
Application November 18, 1947, Serial No. 786,594
8 Claims. (Cl. 137—139)



8. A fluid-actuated operating mechanism comprising a cylinder, piston means in said cylinder, biasing means normally restraining said piston means in one position, means including valve means for supplying fluid pressure to one surface of said piston means to cause movement thereof to an operated position against the action of said biasing means, fluid pressure control means for admitting fluid pressure from said valve means to another surface of said piston means during movement of said piston means toward its operated position, the build-up of pressure at said another surface being effective together with said biasing means to move said piston means toward its normal position, means for arresting said last-mentioned movement of said piston means in an intermediate position, said biasing means being effective to return said piston means to its normal position when the supply of fluid pressure to said piston is cut off.

2,575,935
MEASURING INSTRUMENT
Erik Bernhard Westerberg, Ensta, Enebyberg, Sweden
Application February 27, 1948, Serial No. 11,479
In Sweden December 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 12, 1966
4 Claims. (Cl. 74—95)

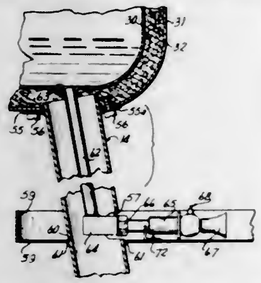


1. A measuring instrument comprising a frame for the measuring instrument, a fixed cam carried by the said frame, a cylinder, a swinging pointer thereto affixed, four ribbons, one respective end of each being attached to said cylinder, one of the ribbons being positioned around said cylinder in a direction opposite that of the other ribbons, a spring, a measuring device displaceable against the actuation of said spring, the other end of the ribbon being fixed to said measuring device, a second spring, the other end of the second ribbon being fixed by means of said second spring to a part carried by the frame of the instrument, and the other ends of the third and fourth ribbons being fixed to said cam.

2,575,936
PORTABLE DRINKING FOUNTAIN
George H. Andrews, Washington, D. C., assignor to Seamless Products Co., Inc., a corporation of New York
Application January 8, 1947, Serial No. 720,728
8 Claims. (Cl. 299—8)

1. In a portable drinking fountain, a relatively shallow insulated tank adapted to contain water, a plurality of hollow tubular legs secured to said tank and forming supports therefor, each of

said legs forming an acute angle with the vertical axis of said tank, conduit means extending downwardly within at least one of said legs and having its upper end in fluid communication with the interior of said tank, a faucet extending



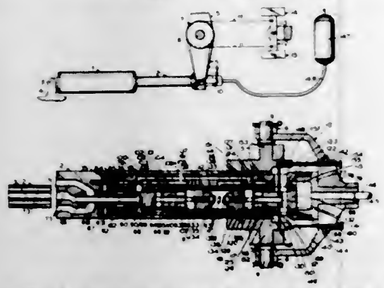
angularly from said last mentioned leg and connected to said conduit, and tray means positioned below said faucet and communicating with the interior of said last mentioned leg whereby waste water caught in said tray drains therefrom via said last mentioned leg.

2,575,937

FLUID PRESSURE CONTROLLED ACTUATING DEVICE

Arthur J. Bent, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application November 26, 1949, Serial No. 129,651
11 Claims. (Cl. 121—41)



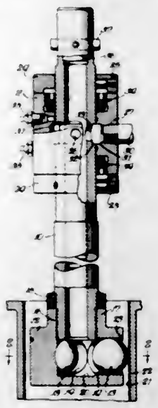
1. A fluid motor comprising a casing having a bore, a double acting power piston slidably mounted in said bore, two false pistons slidably mounted in said bore, one at either side of said power piston, and cooperative with said power piston to form two main pressure chambers one at either side of said power piston, an auxiliary pressure chamber at the opposite side of each false piston, means acting on each false piston urging it toward said power piston to a position providing for limited movement of said power piston between the two false pistons, means for conveying fluid under pressure to the main pressure chamber at either side of said power piston and for at the same time venting the main pressure chamber at the opposite side, one way flow means for conveying fluid under pressure to each auxiliary chamber upon supply of fluid under pressure to the adjacent main pressure chamber, and means operative by said power piston upon movement into substantial contact with either of said false pistons to release fluid under pressure from the auxiliary pressure chamber at the opposite side of the respective false piston.

2,575,938

TOOL FOR EXPANDING CYLINDER LINERS

Arthur M. Brenneke, New Castle, Ind., assignor to Perfect Circle Corporation, Hagerstown, Ind., a corporation of Indiana

Application November 22, 1949, Serial No. 128,827
4 Claims. (Cl. 153—80.5)



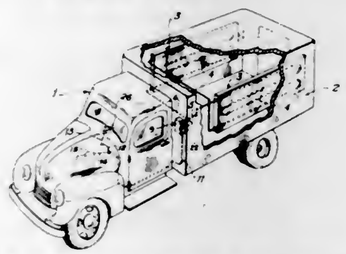
3. A tool for expanding a liner within a cylindrical bore, comprising a head adapted to be inserted into the bore of the liner and having a plurality of radial passages interconnected at their inner ends, a plurality of balls mounted in the respective passages, and means for supporting said head and for supplying pressure fluid to the inner ends of said passages, to apply the pressure fluid directly to said balls whereby said balls are forced outwardly by the pressure fluid into engagement with the liner.

2,575,939

REFRIGERATOR TRUCK SAFETY DEVICE

Orville A. Brouer, Western Springs, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application April 19, 1949, Serial No. 88,430
4 Claims. (Cl. 62—117)



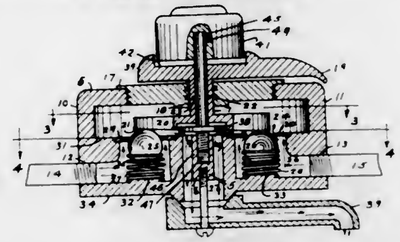
2. In a refrigerator vehicle safety device, the combination of a motor-driven vehicle having a body containing expansion coils for a refrigerating system, means connecting the ends of the said expansion coils with the exterior of the said vehicle, valves on the exterior ends of the aforesaid means, a housing so mounted on the vehicle as to completely enclose the said valves and having at least a portion thereof movable, and ignition-breaking means so mounted on the said movable portion of the said housing as to prevent the motor of the said vehicle from being started when the movable portion of the said housing is displaced from its closed position.

2,575,940

MIXING FAUCET

Charles Kepler Brown, Jr., Fairmont, W. Va.

Application February 28, 1946, Serial No. 650,776
2 Claims. (Cl. 277—20)



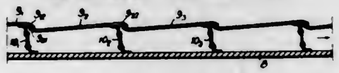
1. A plumbing fixture comprising in combination, a housing having a plurality of chambers therein, inlet connections positioned in said housing to connect said chambers with the incoming hot and the cold water supply, replaceable disc plates positioned in said housing, said plates having openings therethrough to connect the inlet connections with the said chambers, ball valves controlling the openings in said disc plates, a valve controlling plate having a tapered lowered face operable within the housing and with the tapered face positioned against the ball valves to vary the opening and closing of the ports for controlling the flow of water from the connections to said chambers and the mixture of the water to a predetermined temperature, a main outlet pivotally connected to the housing and in communication with said chambers for delivering the mixed water therefrom, resilient means for suspending and seating said ball valves in the disc plates, and an additional valve for controlling the volume of flow from said outlet, a handle above the housing for operating said additional valve, a handle mounted above the housing and below the first mentioned handle in predetermined alignment for operating said valve controlling plate, a stem for operating the outlet valve connected with its handle, and a hollow shank connecting the valve operating plate to its handle, said shank enclosing and guiding said stem, said stem and shank being operable independently of each other.

2,575,941

INSULATING COVERING

Fridolf Henning Brunnzell, Sundsvall, Sweden

Application July 29, 1947, Serial No. 764,518
In Sweden March 16, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 16, 1965
10 Claims. (Cl. 154—44)



1. A plurality of structurally independent units for assembling an insulating cover on a wall, each said unit comprising a cover plate, a layer of insulating material having one face thereof secured to the under face of said plate, the opposite face of said insulating layer being adapted to confront the wall, a fixing member having a good heat insulating characteristic, one end of said member being secured to the under face of said plate at one side thereof and the opposite end of said member being adapted to be secured to the wall, the side of said plate opposite that to which said fixing member is secured being adapted to interlock with that side of the plate on the adjoining unit to which the fixing member of said adjoining unit is secured.

2,575,942

LATCH MECHANISM FOR FOLDING TABLE LEG ASSEMBLY

Earl J. Coffed, Depew, N. Y.

Application December 15, 1949, Serial No. 133,111
1 Claim. (Cl. 311—99)



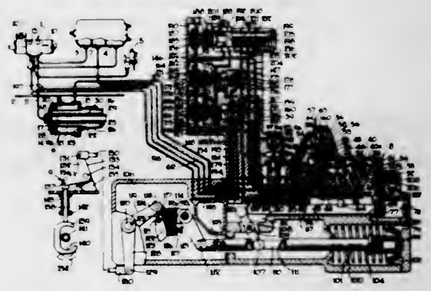
A latching mechanism for a perimetrically folding table leg assembly having oscillating arms facing the respective sides of the table, comprising a slotted guide plate adapted to be secured to the inner face of one side of the table-top for guidingly receiving the terminal end of the companion oscillating arm, and a spring-urged, vertically-swinging latching lever pivoted on said guide plate alongside its slot and having a shoulder at one end thereof for engaging and releasably retaining the companion radial arm against one end of the plate-slot in the unfolded position of the leg assembly, the other end of said latching member having an outwardly-bent, finger-engaging tab thereon in normally spaced relation to the marginal bottom edge of the adjoining side of the table.

2,575,943

LOAD COMPENSATING BRAKE EQUIPMENT

Earle S. Cook, Forest Hills, Glenn T. McClure, McKeesport, and John W. Rush, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

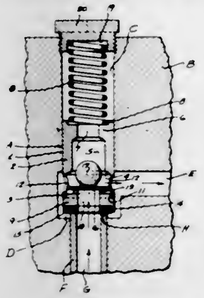
Application January 25, 1950, Serial No. 140,426
20 Claims. (Cl. 303—22)



1. In a variable load brake equipment, in combination, a brake pipe, brake controlling means operative upon a reduction in pressure of fluid in said brake pipe to effect an application of the brakes on the vehicle, a load compensating mechanism for limiting the degree of said application in accordance with the degree of load carried by said vehicle, said mechanism comprising a scale beam for balancing a pilot pressure against another pressure for limiting the degree of said application in accordance with the degree of load carried by said vehicle, a fulcrum rockably supporting said scale beam and shiftable to various positions relative thereto, motor means

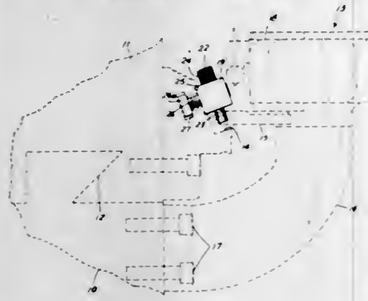
operable in response to a certain degree of pressure of fluid to shift said fulcrum relative to said scale beam according to the load carried by the vehicle, and valve means responsive to a predetermined degree of fluid pressure lower than said certain degree to reduce the pressures balancing on said scale beam to atmosphere.

2,575,944
CHECK VALVE
Ralph E. Conner, St. Louis, Mo.
Application May 1, 1946, Serial No. 666,389
3 Claims. (Cl. 277—44)



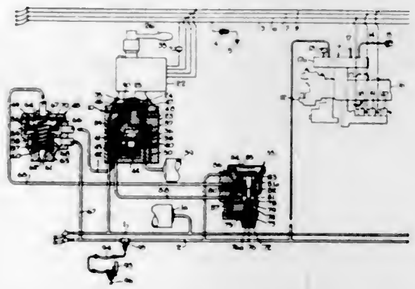
1. A check valve comprising a valve housing having a cavity therein, a member detachably supported by said valve housing at an end thereof and having a passageway formed therethrough, a valve seat formed on said member at the top thereof and disposed within said cavity of said valve housing, a valve closure element in the form of a disk which is arranged within the cavity of said valve housing and is adapted to move into and out of contact engagement with said valve seat, a ball disposed within the cavity of said valve housing above said valve closure element whose weight tends to force said valve closure element into contact engagement with said valve seat, valve seat engaging means comprising a gasket associated with said member at the exterior thereof, and a coil spring which engages said valve housing and forces said gasket into tight engagement with respect to its related valve seat.

2,575,945
MACHINE TOOL POSITIONING MECHANISM
Charles B. De Vlieg, Farmington, Mich.
Application June 21, 1947, Serial No. 756,263
7 Claims. (Cl. 90—21)



1. In a machine tool comprising, a support, a slide movable relative to said support and arranged to support a work piece adapted to be machined in a predetermined manner and having means controlling the relative movement between said slide and said support for positioning the work piece in the machine for a machining operation, an elongated strip arranged to be detachably secured to said slide in a predetermined manner having a plurality of apertures formed thereon, each corresponding to a particular machining operation to be performed on said work piece, and a pin shaped to be readily inserted and removed in any of said apertures and arranged to be engageable with said control means whereby the position of the slide relative to the support is such that the work piece is aligned in the machine for the machining operation corresponding to the aperture in which said pin was previously inserted.

2,575,946
FLUID PRESSURE BRAKE EQUIPMENT
Chauncey O. De Witt, Teaneck, N. J., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application February 15, 1950, Serial No. 144,355
7 Claims. (Cl. 303—18)

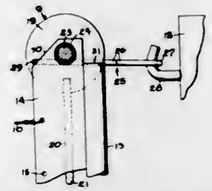


1. In a fluid pressure brake equipment, in combination, a brake pipe, an operator's brake valve device having a position for supplying fluid under pressure to said brake pipe, valve means controlling the supply of fluid under pressure from said brake valve device to said brake pipe and operative upon a reduction in pressure in a chamber to cut off such supply, other valve means cooperative with said brake valve device to serially control a communication for reducing the pressure of fluid in said chamber, means operative by fluid in said brake pipe at and exceeding a chosen degree to operate said other valve means to close said communication and operative upon a reduction in brake pipe pressure to a lower degree to open said communication, said brake valve device opening said communication in its said position and having another position for closing said communication, and an automatic closing trip valve device for effecting a reduction in pressure in said brake pipe to said lower degree.

2,575,947
FENCE GATE CONSTRUCTION
Edward A. Etnyre, Oregon, Ill.
Application April 5, 1949, Serial No. 85,644
2 Claims. (Cl. 292—247)

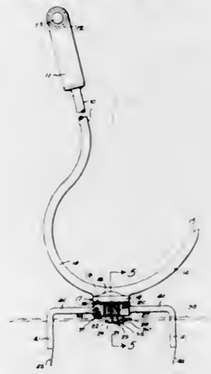
1. A device for drawing two fence posts together, said device comprising an elongated bar, a sleeve welded to and extending transversely across one end of the bar, a shaft journaled in said sleeve and projecting from opposite ends

thereof, two parallel plates welded to opposite ends of said shaft, two generally parallel arms one welded to each of said plates and cooperating therewith to form a lever, said arms projecting radially from said shaft to swing past opposite sides of said bar, an elongated closed loop having an inner end spanning said plates and pivoted on the latter at a point spaced radially



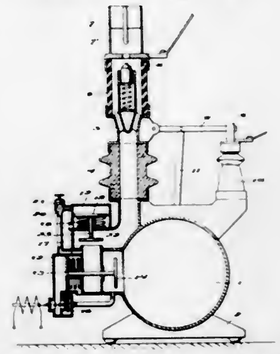
from said shaft and angularly from said arms, the outer end portion of the loop being adapted to interengage with a fence post and the intermediate portion straddling said plates and said sleeve in the over-center position of said inner loop end, and a surface on said bar engageable with the inner end of said loop to limit swinging of the arms after the inner loop end has passed over-center.

2,575,948
BALING WIRE CUTTER
Frank Fisher, Owosso, Mich.
Application August 24, 1946, Serial No. 692,769
5 Claims. (Cl. 30—124)



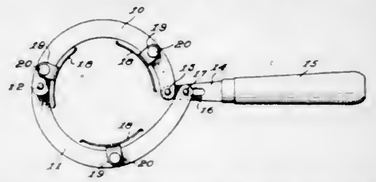
1. A baling wire cutter comprising an elongated member having a handle disposed transversely to the upper end thereof, a pivot member fixedly mounted on said elongated member remote from said handle with its pivot axis disposed in the same general direction as the axis of the upper portion of said elongated member, a first cutting element fixedly mounted on one of said members eccentrically of said pivot axis, an independently movable member rotatably mounted on said pivot member on an axis coaxial with said pivot axis, a second cutting element mounted on said movable member eccentrically of the pivot axis thereof and cooperable with said first cutting element to cut the baling wire therebetween, and a bale-penetrating member projecting from said movable member and adapted to anchor said movable member to the bale during the cutting operation.

2,575,949
COMPRESSED AIR CIRCUIT BREAKER
Haakon Forwald, Valhalla, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska, Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application February 17, 1948, Serial No. 8,894
In Sweden July 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 17, 1963
1 Claim. (Cl. 200—148)



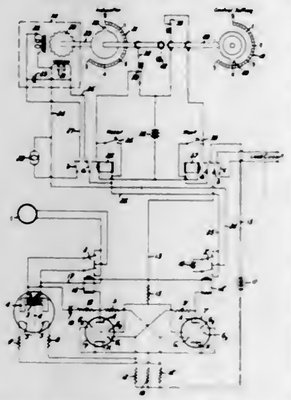
In an air blast circuit breaker having an arcing gap, a disconnecting switch in series with the arcing gap, a compressed air container, a main valve controlling the supply of extinguishing air from the container to the arcing gap, and a throttle valve interposed between said main valve and the arcing gap, said throttle valve being normally open and commencing to close when exposed to the pressure from said container, and said closing being so delayed that extinction of the arc takes place before the throttle valve reaches its final throttling position with an opening sufficient to maintain an air pressure that prevents re-ignition of the arc.

2,575,950
PIVOTED LINK JAR CAP WRENCH WITH RESILIENT SHOES
Henry M. Fredholm, Midlothian, Ill.
Application October 11, 1948, Serial No. 53,910
2 Claims. (Cl. 81—3.44)



1. A wrench comprising a pair of relatively rigid arcuate arms having adjacent ends thereof pivotally connected, an operating handle including a shank, the other end of one of said arms being pivotally connected to the shank, the other end of the other arm having a sliding connection with the shank, whereby the arms may be expanded and contracted upon lateral movement of said handle, and a plurality of yieldable arcuate gripping shoes disposed within said arms and pivotally connected thereto, said arms being relatively thin normal to the planes thereof and said shoes being of substantial dimensions in directions normal to said planes and projecting beyond both sides of said arms.

2,575,951
INTEGRATING APPARATUS
Roswell W. Gilbert, Montclair, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application December 10, 1946, Serial No. 715,282
11 Claims. (Cl. 175—320)



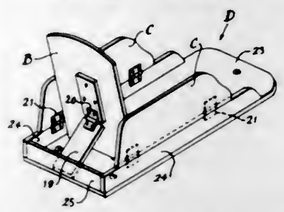
1. In integrating apparatus, the combination with an integrating instrument including a coil mounted for oscillation in a magnetic field and carrying a contact arm cooperating with a pair of relatively fixed contacts, a source of electrical energy, and a polarity-reversing switch connected between said energy source and said coil, of a pair of vacuum tubes cross-connected to block conduction through one tube when the other tube is conductive, each tube including a cathode cooperating with a control grid and an anode, circuit elements connecting one of said fixed contacts to the control grid of one of said tubes and connecting the other fixed contact to the control grid of the other tube, relays in the anode circuits of said tubes, said reversing switch being controlled by one of said relays, counting mechanism, and means controlled by the second relay for actuating said counting mechanism.

2,575,952
BELT
Harold W. Goff, Manhasset, N. Y.
Application April 28, 1948, Serial No. 23,749
5 Claims. (Cl. 2—321)



5. A belt having a rectangularly-shaped cross-section, a tubing element interiorly dimensioned for receiving both ends of said belt in superposed relation to each other, means for securing said tubing element to said belt, a second tubing element interiorly dimensioned for sliding movement over the end portions of said belt in said relation, a pair of arms extending from the second tubing element, a hook member formed at the free end portion of each of said arms for engaging stop means formed in the material at the opposite end portion of said belt, the first mentioned tubing element cooperating with said arms for holding each of said hook members in engagement with said stop means upon a force tending to increase the peripheral diameter of said belt.

2,575,953
PORTABLE SEATING UNIT
Bernard S. Haley and Eleanor B. Conron, London, Ontario, Canada
Application April 5, 1946, Serial No. 659,986
In Canada November 28, 1945
1 Claim. (Cl. 155—5)

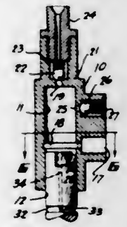


A collapsible seat structure comprising a base, means for rigidly securing said base to a vehicle, two side flaps, one of said side flaps being hingedly connected to one side of said base, the other of said side flaps being hingedly connected to the other side of said base, a vertically extending end board rigidly connected to said base adjacent its back edge, a back rest hingedly connected to the top surface of said base in advance of said end board, a support bar hingedly connected to said back rest, the free end of said support bar being adapted to engage with said end board to support said back rest in an upright position, said support being adapted to hinge to lie against said back rest, said back rest being adapted to rest on said end board when said support is so folded to lie against said back rest.

2,575,954
PREPARATION OF 1,2-DIHYDRO-PYRIDAZINE-3,6-DIONE
Walter D. Harris and Dwight L. Schoene, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 25, 1950, Serial No. 140,558
9 Claims. (Cl. 260—250)

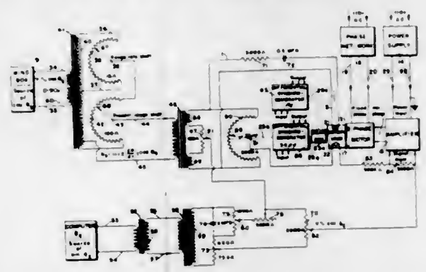
1. A method of making 1,2-dihydropyridazine-3,6-dione which consists in reacting maleic acid with a hydrazine salt of a strong inorganic acid in water as a reaction medium.

2,575,955
FUEL INJECTION PUMP
James W. Hatch, Los Angeles, Calif.
Application July 10, 1947, Serial No. 759,954
8 Claims. (Cl. 103—41)



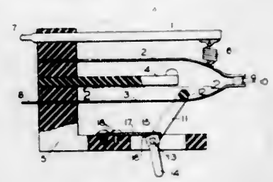
1. In an injection pump for internal combustion engines: a compression chamber having an intake port, a relief port and an ejection port; pressure responsive means engaging both said relief and ejection ports; and a plunger in said chamber having relief passages, and a control member; said control member being constructed and adapted to close said relief port and maintain closure of said relief port throughout the ejection period of said plunger stroke, said relief passages being constructed and adapted to establish communication of said chamber and said intake port at a predetermined point in the compression stroke of said plunger to terminate the ejection period, said pressure responsive means engaging said relief port being adapted to operate at a lower pressure than said pressure responsive means engaging said ejection port.

2,575,956
TRAIN PARALLAX COMPUTER
Frank L. Hereford, Jr., Swarthmore, Pa., and Walter D. Whitehead, Jr., Old Church, Va., assignors to United States of America as represented by the Secretary of the Navy
Application April 27, 1948, Serial No. 23,475
1 Claim. (Cl. 235—61.5)



In a parallax corrector for a gun, means for electrically producing an alternating voltage representative of the cosine of the elevation angle of the gun, a resistor having a sliding contact movable thereover, connections from said means to the terminals of said resistor to maintain across said resistor a voltage representative of the cosine of said elevation angle, rate responsive means connected to said contact for generating an alternating voltage that is a function of the range rate of the target, mechanical connections whereby said rate responsive means moves said contact over the resistor, a second resistor having one terminal electrically connected to said contact and having its other terminal electrically connected to a fixed point of said elevation voltage producing means, said second resistor having a sliding contact movable thereover, range responsive means mechanically moving said last named contact in accordance with the range of the target thus providing a modified alternating voltage proportional to the product of the range, a function of range rate and the cosine of the angle of elevation, means for electrically producing an alternating voltage representative of the sine of the train angle of the gun, voltage dividing means electrically connected to combine said modified voltage with a predetermined portion of said train angle voltage, thus producing a control voltage that is proportional to the product of the range, a function of range rate and the cosine of the angle of elevation, a potentiometer across which said control voltage is applied, an amplifier for said control voltage, and servo mechanism controlled by the output of said amplifier and including a motor and a generator operated thereby, for adjusting said potentiometer and for generating a voltage respresentative of the parallax correction.

2,575,957
ELECTRIC SWITCH DEVICE
Claude M. Hines, Verona, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application March 29, 1949, Serial No. 84,036
3 Claims. (Cl. 200—146)

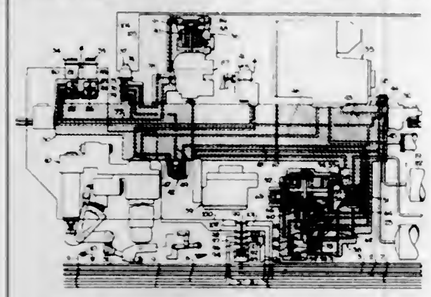


3. An electrical switch device comprising a supporting base of insulating material, a pair of flexible resilient contact members each secured at one corresponding end in said base in spaced relation and being inherently biased in opposite directions to effect circuit-closing engagement of the free ends thereof, a stop member of insulating material interposed between said contact members, means supported by said base operative to engage and move one of said contact members in opposition to the inherent biasing force thereof and thereby cause corresponding movement of the other of said contact members in response to the inherent biasing force thereof, said stop member being so positioned as to be engaged by said other contact member following a certain amount of flexing movement thereof consequent upon the operation of said operating means to flex said one contact member in opposition to the inherent biasing force thereof, separation of said contact member being effected in response to flexing movement of said one contact member an amount greater than that required to effect engagement of said other contact member with said stop member, a rigid current-carrying member supported by said base, a variable resistance spring transducer having one end physically and electrically connected to said rigid current-carrying member and having the other end physically and electrically connected to said other contact member, the inherent biasing force of said other contact member being such as to stretch said transducer from a contracted position to an expanded position an amount corresponding to the amount of movement of said other contact member in its traverse to the point of engagement with said stop member, said transducer having a greater resistance in its expanded condition than in its contracted condition thereby to effect reduction of normal current to a lower value prior to interruption by separation of said contact members.

2,575,958
ELECTROPNEUMATIC BRAKE APPARATUS
Claude M. Hines, Verona, and Walter B. Kirk, East McKeesport, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application May 18, 1949, Serial No. 93,862
8 Claims. (Cl. 303—3)

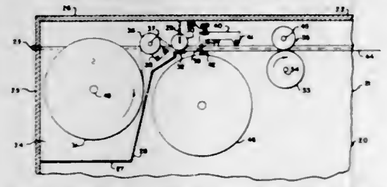
1. A vehicle brake apparatus comprising in combination electric braking means, electropneumatic braking means, means including a first train wire for controlling said electric braking means, means including a second train wire for controlling said electro-pneumatic braking means, a source of electric energy, and emergency

means for simultaneously disconnecting both of said braking means from the respective train



wires and for connecting said electro-pneumatic braking means to said source of electric energy.

2,575,959
FACSIMILE RECORDER CONSTRUCTION
John V. L. Hogan, Forest Hills, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application August 10, 1946, Serial No. 689,793
2 Claims. (Cl. 346—101)



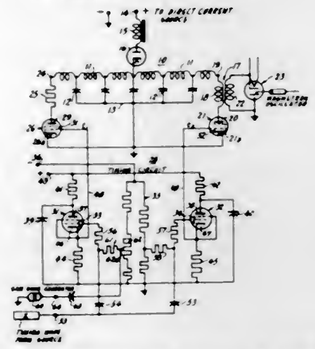
1. A facsimile recorder for recording on moist electrolytic paper from a supply roll, comprising, in combination: a base portion and a cover hinged thereto, cooperating partitions in the base portion and the cover completing a humidor compartment for the paper supply roll when the cover is closed, the contiguous edges of said partitions being adapted for the withdrawal of paper therebetween, a helical electrode rotatably mounted in the base portion and a cooperating linear electrode mounted in the cover, a drive roll in the base portion and a cooperating roll in the cover, said drive roll being operative to draw paper from the humidor compartment past and between said helical and linear electrodes, whereby the recorder easily may be loaded with paper when the cover is open.

2,575,960
THREAD WINDER
Archer S. Huntington, Atlantic Beach, N. Y.
Application April 9, 1948, Serial No. 19,942
9 Claims. (Cl. 242—146)



1. A thread winder comprising a case, a thread guide connected thereto projecting outwardly thereof, said guide having a bore, means for permitting introduction of thread through a side of said bore, and means for preventing displacement of said thread through said side.

2,575,961
VARIABLE WIDTH PULSE GENERATING SYSTEM
William S. Ivans, Jr., La Jolla, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application October 31, 1947, Serial No. 783,390
21 Claims. (Cl. 250—27)



1. In a pulse generating circuit, a pulse-forming network wherein electrical energy is adapted to be stored, said network having a connection to a source of electric current supply load devices connected to said network and at each end thereof, means for intermittently electrically interconnecting said load devices with said network comprising a normally non-conducting electronic space discharge device operatively associated with each of said load devices and having a series connection therewith and a connection to ground and means operatively connected to said electronic space discharge devices for rendering said space discharge devices conductive to thereby initiate pulse generation.

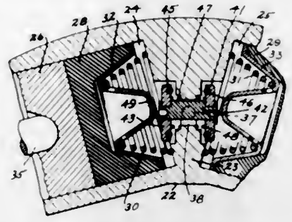
2,575,962
TITANIUM ALLOY
Robert I. Jaffee, Horace R. Ogden, and Daniel J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
No Drawing. Application September 30, 1950, Serial No. 187,822
4 Claims. (Cl. 75—134)

1. An alloy consisting essentially of from 2.5% to 7.5% aluminum, from 1% to 5% iron, from 0.01% to 0.30% carbon, balance titanium.

2,575,963
HYDRAULIC DISK BRAKE AND ACTUATOR MEANS THEREFOR
Osborn A. Kershner, St. Joseph, Mich., assignor, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application August 11, 1949, Serial No. 109,651
18 Claims. (Cl. 188—152)

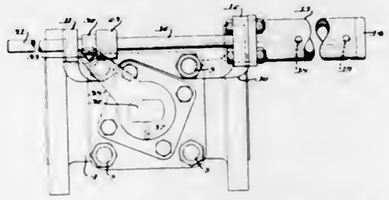
13. A fluid-operated brake actuator, comprising a cylinder having a transversely extended partition dividing the same into opposed piston chambers, said partition having an axially extended opening therethrough establishing communication between the respective piston chambers and having an inlet passage leading from the exterior of said cylinder to said axially extended opening aforesaid, a brake actuating piston in each piston chamber, and pressure fluid

responsive means for trapping pressure fluid in either piston chamber behind the piston incident to the application of inward thrust on said piston, while leaving the other piston free to move in either direction in its chamber responsive to the



pressure fluid admitted and released through the cylinder inlet, said pressure fluid responsive means comprising a valve member in each piston chamber coacting respectively with the opposite ends of the axially extended opening through the cylinder partition.

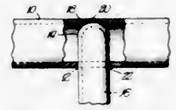
2,575,964
OPERATING MECHANISM
Allen D. MacLean, Pittsburgh, Pa., assignor to H. K. Porter Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application September 14, 1948, Serial No. 49,183
8 Claims. (Cl. 74—102)



1. Operating mechanism comprising a turnable element, a linearly movable element, one only of the elements having a portion turnable relatively to the remainder of that element, guide means for guiding the turnable portion relatively to which the turnable portion is both linearly movable and turnable, a projection on one of said turnable portion and the element not having the turnable portion and a socket in the other thereof receiving the projection, the elements being relatively arranged so that during turning of the turnable element and linear movement of the linearly movable element the projection will remain in the socket, the turnable portion turning during such movement as the paths of the elements converge or diverge.

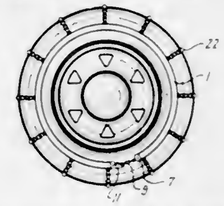
2,575,965
RIGID JOINT BETWEEN TUBULAR STRUCTURES
Royal D. Malm, Evanston, Ill., assignor to Clayton Mark & Company, Evanston, Ill., a corporation of Delaware
Application July 30, 1945, Serial No. 607,764
7 Claims. (Cl. 287—54)

3. A tubular structure comprising two cylindrical metal tubes of different diameters, the larger tube having a circular opening in one side thereof to receive and support the end portion of the smaller tube, the smaller tube having a reduced axial extension joined by an integral web to the surrounding wall of the tube to provide a point of fastening to the opposite wall of the



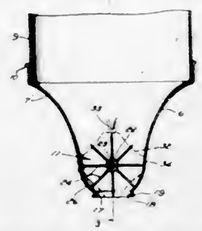
larger tube, and means for joining said tubes at said point of fastening.

2,575,966
COMPOSITE TIRE CHAIN FASTENER
Raymond A. Mank, Pittsburgh, Pa.
Application June 19, 1948, Serial No. 34,109
2 Claims. (Cl. 152—242)



1. In a composite rubber and steel tire chain structure having a pair of side rims interconnected by cross chains, a fastening means for each side rim comprising metal ferrules of substantially the shape of the cross sectional area of the side rim and connecting linkage, the links having a swivel mount connection with one of the ferrules and having a connection by a clamping lever with the other, said ferrules being fastened to reinforcing members embedded in the ends of said side rim.

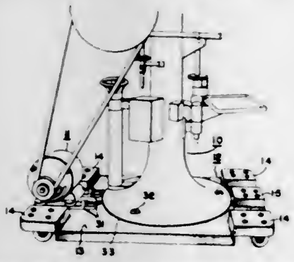
2,575,967
SPHERICAL ROTARY CONVEYER TYPE TRAP CHAMBER DISPENSER
Cecil Edgar May, Sierra Madre, Calif.
Application January 17, 1947, Serial No. 722,655
2 Claims. (Cl. 222—368)



1. A measuring and dispensing device of the character described, comprising a hopper, means at the bottom of said hopper defining a measuring chamber of hemispherical form opening at its top into said hopper and having a discharge opening in its under side, a shaft revolubly mounted in said hopper and extending thereacross in the plane of the top of said measuring chamber, a measuring wheel rigid with said shaft and comprising a plurality of radially extending blades, each of said blades being of semicircular form about a radius substantially corresponding to the radius of said hemispherical measuring chamber whereby each of said blades frictionally

engages the surface of said measuring chamber throughout the entire length of its semicircular edge, and means for turning said shaft to cause each of said blades alternately to enter said measuring chamber, passing said discharge opening while disposed therein, and then to move entirely out of said measuring chamber into said hopper whereby the semi-circular edge of the blade is completely removed from contact with said measuring chamber.

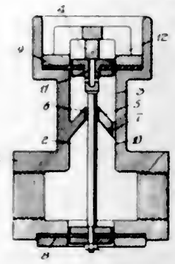
2,575,968
MOVABLE MACHINE MOUNTING
Archie H. McCallum, Ralph C. Breckenridge, and Jay B. Case, Peoria, Ill., assignors to Sutliff & Case Co., Inc., Peoria, Ill., a corporation of Illinois
Application August 3, 1950, Serial No. 177,542
1 Claim. (Cl. 280—29)



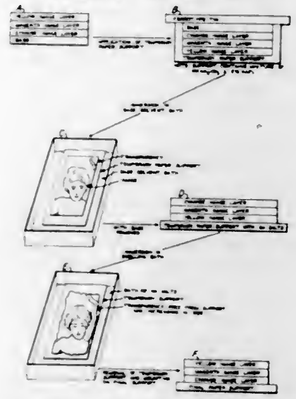
A movable machine mounting comprising a substantially horizontal platform having its corners and an intermediate portion of the front end cut away, channel members mounted under the side and end portions of said platform between said cut away portions, a central reinforcing brace across the under side of said platform between the channels at the sides of the platform, boxlike mounting offset members in said cut away portions of the platform with ends of the channel members abutting sides of the offset members and the upper parts of the offset members extending above said platform, all said elements permanently connected along abutting edges of engagement with each other, wheels having stationary axes mounted in the corner offset members at the rear end of the platform, casters mounted in the corner offset members of the front end thereof, and a truck positioning lock mounted in the offset member mounted in the front end of the platform.

2,575,969
RELIEF VALVE
Jean Mercier, New York, N. Y.
Application February 12, 1946, Serial No. 646,968
In France November 14, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 14, 1961
4 Claims. (Cl. 137—53)

1. A device for discharging gaseous impurities from liquid filled systems, comprising a chamber having at its bottom level an entry port adapted to be connected to a liquid filled system at the highest point thereof, and provided at its top with a gas escape port leading to the atmosphere, valve means including a movable member and normally closing said gas escape port, said chamber being subdivided into a lower and an upper compartment communicating with each other through at least one restricted passage, and a movable element rigid with said movable member of said valve means and having two opposite surfaces exposed to the pressures in said upper and lower compartments, respectively, said surfaces having active areas so dimensioned that the valve means remains closed, regardless of pressure variations in the liquid filled system as long as both compartments are filled with liquid but opens in response to rapid pressure fluctuations in the liquid system and in the lower compartment whenever a cushion of gas has accumulated in the upper compartment.

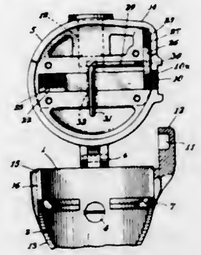


2,575,970
METHOD OF PHYSICALLY ENLARGING A PHOTOGRAPHIC COLOR TRANSPARENCY
William J. Nagel, Bethesda, Md.
Application February 19, 1947, Serial No. 729,670
8 Claims. (Cl. 95—2)



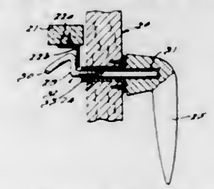
1. The method of enlarging the gelatinized multi-color layers of a photographic transparency having a cellulose base and an anti-curl gelatine backing, which consists in softening said backing by means of a solvent and then removing the backing from the base, mounting said transparency including the cellulose base on a temporary support having a gelatine emulsion coating thereon containing a mixture of sodium salts with the gelatinized surfaces of the transparency and support disposed in face to face relation, placing said mounted transparency in a solvent to soften the base, removing said base to leave only the multi-color layers on said support as a unitary sheet, subjecting said sheet to contact with warm water to dissolve the gelatine thereon and liberate the sodium salts to activate and enlarge by swelling the dimensions of said multi-color layers while separating said layers from the temporary support, to thereby condition said layers for transfer as an enlarged unit onto a permanent support.

2,575,971
MILK BOTTLE HOLDER
Eugene M. Navarro, New York, N. Y.
Application February 25, 1947, Serial No. 730,763
1 Claim. (Cl. 232—41.5)



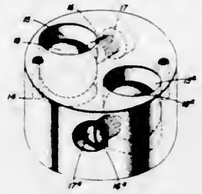
A holder comprising a stationary supporting bracket having a pair of outspread arms, inward projecting ribs on the inner sides of said arms to engage the expanded rim of the neck of a bottle, a closure cap having pivotal connection to said bracket midway between said arms and having an arc-shaped flange filling the space between said arms when the closure is in lowered position, a lock mechanism carried by said cap and including a bolt extending substantially parallel to said pivotal connection, a spring biassing the bolt to operative position to engage the bracket and secure the cap, the cap also carrying a catch, means on the bolt normally cooperating with the catch to retain the bolt in inoperative position, a rotatable actuator member mounted in the cap pivotally connected to the catch and having an arm normally depending below the cap, and a spring in the cap to move the catch to bolt-retaining position, said member being in position to be rotated by the closure at the mouth of the bottle to release said catch and liberate said bolt, the actuator member being mounted to rotate about an axis extending parallel to said pivotal connection.

2,575,972
DOOR LATCH
Oscar E. Nelson, Detroit, Mich.
Application February 13, 1947, Serial No. 728,267
2 Claims. (Cl. 292—238)



1. In a mechanism for latching a swinging door to a fixed keeper located adjacent the inner side of the door when the latter is closed, a rotatable rod adapted to extend inward through said door, said rod having a screw threaded axial bore opening at its inward end, a latch bolt comprising a rotatable shank having a screw threaded outer end detachably screwed into the bore of the rod for rotation therewith, the shank extending inward adjacent an edge of the keeper and terminating at the other end of the shank in a keeper engaging portion extending essentially perpendicularly to the longitudinal axis of the shank and adapted in a latching position to extend adjacent the inner side of the keeper when the door is closed, means to rotate the keeper engaging portion from the latching position including a manually operable weighted handle secured to the outer end of the rod adjacent the outer side of the door, the center of gravity of the handle being offset from the longitudinal axis of the shank to urge the latter by gravity to the latching position, and a cam portion of said latch bolt extending in the latching position obliquely inward from the radial extremity of the keeper engaging portion beyond a plane which passes through the aforesaid edge of the keeper and parallel to the longitudinal axis of the shank.

2,575,973
TANGENTIAL ACCELERATION GAUGE
Thomas M. Perry, Bennington, Vt., assignor to the United States of America as represented by the Secretary of the Navy
Application April 16, 1943, Serial No. 483,301
1 Claim. (Cl. 264—1)



A tangential acceleration gage for a spinning test projectile, comprising a cylindrical housing designed to be mounted within said projectile with the axis of the housing alined with the spin axis of the projectile, said housing having two similar recesses located symmetrically with respect to the said axis, two equal large and relatively massive hardened steel spheres, one in each recess, each said recess being substantially a right circular cylinder whose diameter and length are the same as the diameter of the sphere therein, but each said recess being slightly elongated in a direction chordal to the housing, thus permitting a slight amount of play of said sphere, each recess having in its side wall a smooth bore of a diameter relatively small with respect to the diameter of the spheres, the axes of said bores passing through the centers of the spheres and being in the plane transverse to the axis of the housing including said centers, said bores extending in opposite directions with respect to the straight line connecting said centers, a small sphere of soft metal fitting in each bore, each bore having a screw threaded extension at its end remote from the corresponding recess, a screw therein, and a shoulder at the junction of the smooth bore and the screw threaded extension thereof to form an abutment for the inner end of said screw, whereby each small sphere is caused to extend a predetermined distance into the adjacent recess when the inner end of the screw engages said small sphere and the corresponding abutment.

2,575,974
BRAIDED EYE FOR SLING
Vincent C. J. Peterson, Forty Fort, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application February 27, 1946, Serial No. 650,682
3 Claims. (Cl. 87—8)

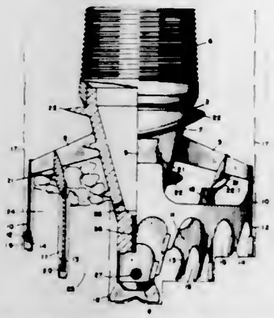
1. In a sling of an even number of parts, an eye formed of said parts, half of said parts extending from the body of the sling around the

eye in one direction, the remaining parts extending from the body of the sling around the eye in the opposite direction, each of the parts being



paired with a part extending around the eye in an opposite direction, the pairs so formed being braided to form a braid of pairs throughout at least a portion of the eye.

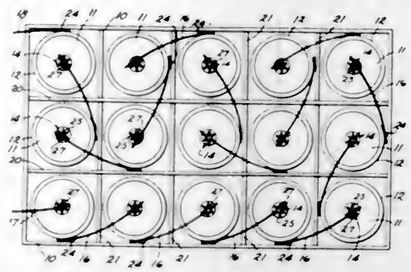
2,575,975
ROCK DRILL
James S. Robbins, Highland Park, Ill.
Application April 1, 1950, Serial No. 153,335
2 Claims. (Cl. 255—69)



2. A rock drill, comprising a head, a drill bit mounted thereon in axial alinement therewith, said head having a conoidal wedge surface flaring backwardly and outwardly from the path of said bit and having a spirally ribbed formation, inner and outer cylindrical cutter shells spaced apart concentrically at different radial distances for cutting concentric kerfs in an opposed rock face, spider arms connecting said shells to said head, conoidal wedge members carried on said arms behind said inner shell substantially parallel with and spaced radially outward from said first-mentioned conoidal wedge surface to bear upon and break outwardly a core of rock formed between the kerfs cut by said shells, and spiral screw ribs on the outer side surfaces of said last-named wedge member.

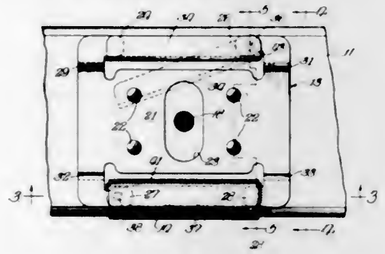
2,575,976
SOLDERING CONNECTOR OF DRY BATTERIES
Arthur F. Rock, Lakewood, Ohio, assignor to General Dry Batteries, Inc., Lakewood, Ohio, a corporation of Ohio
Application January 15, 1948, Serial No. 2,518
8 Claims. (Cl. 136—135)

6. A soldered connection for a dry cell comprising a metal cap engaging the exposed end of the carbon electrode of the cell, said cap having a sleeve portion engaging the side surfaces of the electrode and an end surface disposed over the end of the electrode, there being an indentation in said end surface made up of a plurality of angularly related intercommunicating grooves, and a metal conductor overlying said cap and a



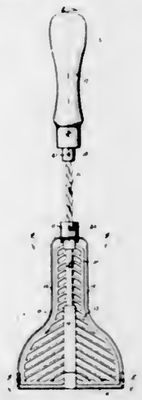
portion of at least one of said grooves and engaging said end surface adjacent said groove, said conductor being bonded to said cap by solder adhering to both said conductor and said cap, the solder being disposed in part in one of said grooves.

2,575,977
TAPE-SUPPORTING BRACKET FOR VENETIAN BLINDS
Edward E. Schaefer, Oak Park, Ill., assignor to Theodore Efron, Chicago, Ill.
Application April 8, 1949, Serial No. 86,292
3 Claims. (Cl. 160—178)



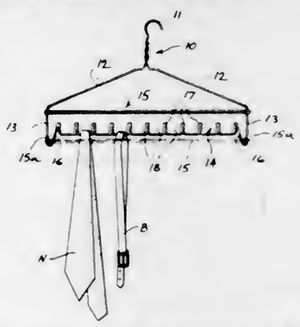
1. A bracket for detachably securing the ends of a slat-supporting tape to a rail of a Venetian blind, comprising a one piece body member having a flat central portion adapted to be fastened to a rail, a pair of oppositely disposed ear portions extending toward each other on each side of said body member and adapted to be positioned adjacent the longitudinal edges of the rail, said ear portions being connected to said central portion by means of integral connecting portions bent outwardly from said central portion whereby said ear portions are disposed in a plane parallel to and spaced from said central portion, and a pair of elongated tape-supporting side members in the form of bars having a generally U-shaped cross-section and adapted to have the end portions of a tape detachably secured to the central portions of said bars, each of said bars being pivotally attached at one end thereof to one of said ear portions for swinging movement inwardly of said body member in a plane parallel to said central portion for facilitating attachment and detachment of the ends of the tape, and the opposite free end of each of said bars being adapted upon movement thereof outwardly of said body member to receive the oppositely disposed ear portion within said U-shaped cross-section whereby swinging movement of said bars is restricted within the longitudinal confines of the rail, each of said bars being engageable with the oppositely disposed ear portion solely at the free end of the bar whereby the tape is held in secured attachment on the bracket solely by the central portions of said bars.

2,575,978
POTATO MASHER AND WHIPPER
Wayne C. Scheidecker, Lake View, Iowa
Application November 28, 1947, Serial No. 788,541
5 Claims. (Cl. 146—213)



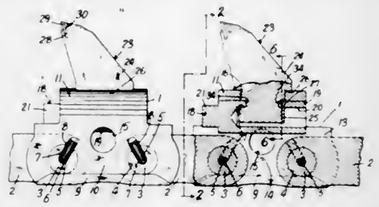
1. In a device of the class described, a frame portion, a perforated grid on the bottom of said frame, a shaft rotatably in said frame and having its upper end portion extending above said frame and of spiral construction, a wing having holes therein on said shaft and immediately above said grid, a handle member loosely embracing the upper end portion of said shaft and engaging the spiral thereof, a coil spring in said handle member and operatively bearing on the top of said shaft, a bayonet notch in said frame portion, and a lug on said handle portion capable of entering and engaging said bayonet slot.

2,575,979
GARMENT HANGER CONSTRUCTION AND LOCKING MEANS THEREFOR
Alfred Simon, Lynbrook, and Betty Hackman, Brooklyn, N. Y.
Application August 30, 1950, Serial No. 182,248
9 Claims. (Cl. 223—91)



1. A garment hanger device comprising a pair of inclined garment supporting arms, a vertical side arm depending from each of said inclined arms, a longitudinal supporting member spaced from and wholly disposed between said vertical side arms and attached thereto, a longitudinal resilient clamping member slidably mounted on said side arms, said clamping member being vertically slidable on said side arms to clampingly engage articles carried by the supporting member, said side arms being provided with means below said supporting member to releasably retain the said clamping member in clamping position.

2,575,980
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1948, Serial No. 8,949
5 Claims. (Cl. 262—33)

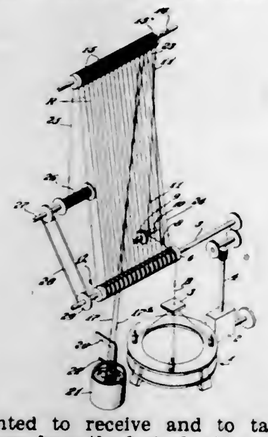


1. In a cutter chain, the combination comprising a chain block having a lateral lug formed with an opening, a cutting element having a shank receivable in said lug-opening, said shank having an enlargement at its inner end providing an outwardly facing surface, and a rotary cam lock mounted on said block, said lock having a cylindrical tubular portion one wall of which is slotted longitudinally to provide an opening whereby said shank enlargement may be inserted into the bore of said tubular portion, and said lock having a cam surface engaging said outwardly facing surface of said shank enlargement for forcing said shank inwardly in said lug-opening to clamp said cutting element against said block-lug.

2,575,981
APPARATUS FOR FINISHING BRAIDED THREADS
Herbert E. Smith, Manchester, N. H., assignor to Wau-Ke-Wan Thread Co., Inc., Manchester, N. H., a corporation of New Hampshire
Application August 17, 1946, Serial No. 691,327
1 Claim. (Cl. 91—17)

Apparatus for use in finishing braided yarn as the latter is delivered from the braiding die of a braiding machine, said apparatus comprising: a pull-off roll mounted to receive and engage the yarn as it comes from the braiding die; means for positively driving said pull-off roll at a constant surface speed in definite timed relation to the speed of the braiding machine to impart a predetermined degree of tension to the yarn; a freely rotatable guide roll mounted to receive the yarn from said pull-off roll; a second freely rotatable guide roll mounted to receive the yarn from said first-mentioned guide roll; a receptacle for yarn finishing fluid; yarn guide means within said receptacle for receiving yarn from said second guide roll and immersing the yarn in the fluid; a series of equal-diameter coaxial guide rolls mounted for independent free rotation about an axis spaced from and parallel to the axis of said pull-off roll, the first of said

series of guide rolls being positioned to receive the yarn from said yarn guide means; a series of equal-diameter coaxial driven rolls mounted for rotation about the axis of said pull-off roll and driven by said driving means at the same constant surface speed as said pull-off roll, the first of said series of driven rolls being mounted to receive the yarn from the first of said series of guide rolls, the second of said series of guide rolls to receive the yarn from the first of said series of driven rolls; the second of said series of driven rolls to receive the yarn from the second of said series of guide rolls, and so on in alternation to the end of said series; a winding



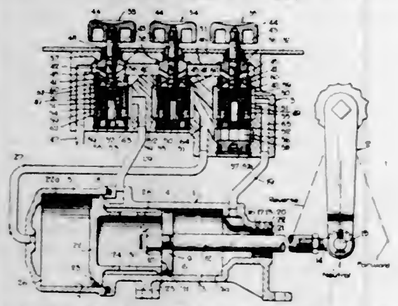
roll mounted to receive and to take up the braided yarn from the last of said series of guide rolls; and means for positively driving said winding roll at substantially the same surface speed as said pull-off roll, whereby the driving engagement of said pull-off roll and said series of driven rolls at a uniform and constant surface speed thereof imparts a predetermined uniform degree of tension to the yarn throughout the travelling length thereof, transient inequalities in such tension being immediately equalized by the free rotatability of all of said guide rolls, to thereby accelerate the drying of the yarn at room temperature.

2,575,982

FLUID PRESSURE CONTROL MECHANISM

Roy R. Stevens, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application April 14, 1949, Serial No. 87,441
1 Claim. (Cl. 277—60)



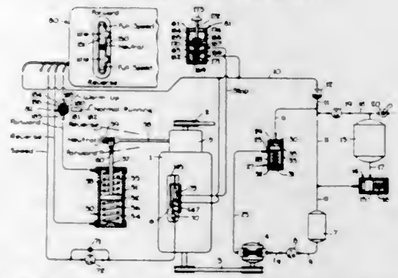
A control valve device for supplying fluid under pressure to and for releasing fluid under pressure from two control pipes, comprising a casing, two individual valve units in said casing each comprising a supply valve for supplying fluid under pressure to a chamber in the unit, a release valve seat, a release valve arranged to cooperate with said seat for controlling communication between said chamber and a passage opening to said seat, a push button manually operative to open said supply valve and to close said release valve, and a spring operable upon relief of manual pressure on said push button for closing said supply valve and for opening said release valve, said passage in one of said valve units opening to atmosphere, the other valve unit further comprising means cooperative with said casing to form a chamber open to the respective passage, means opening the last named chamber to the first named chamber in said one valve unit and to one of said pipes, and means opening the first named chamber in said other valve unit to the other pipe.

2,575,983

FLUID PRESSURE CONTROL APPARATUS FOR ENGINES

Roy R. Stevens, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application November 19, 1949, Serial No. 128,411
12 Claims. (Cl. 123—103)



1. Engine fuel control apparatus comprising in combination, a fluid pressure supply reservoir, a fluid compressor, a fluid pressure delivery pipe for said compressor connected to said reservoir for conveying compressed fluid from said compressor to said reservoir, a governor device responsive to pressure of fluid in said pipe at less than a chosen degree to close communication from said pipe to said reservoir, a fuel control lever having an engine idling position, a full fuel position and an intermediate fuel position, a fluid pressure operated actuator adjustable in accordance with the pressure of such fluid between a minimum pressure and said chosen degree of pressure to regulate the position of said lever between idle and full fuel positions, respectively, a control device for supplying fluid under pressure from said pipe to said actuator and for releasing fluid under pressure therefrom, and means controlled by pressure of fluid in said pipe for moving said lever relative to said actuator to said intermediate position upon depletion of fluid under pressure in said pipe.

2,575,984

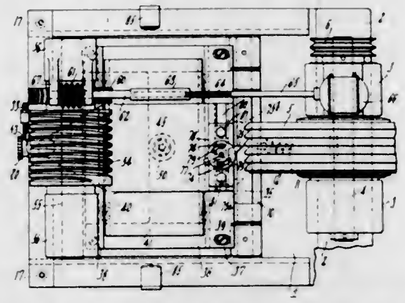
GRINDING WHEEL TRUING MECHANISM

William L. Tancred, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont

Application February 4, 1946, Serial No. 645,293
6 Claims. (Cl. 125—11)

1. In combination, a base, a work supporting shaft rotatably mounted in the base, a rotatable helical cam mounted on the base and arranged

in spaced parallel relation with respect to the work supporting shaft, a support pivotally mounted on the base and arranged between the shaft and the cam, a carriage movably mounted on said support for motion parallel to the axes of the shaft and cam, a follower carried by said carriage and



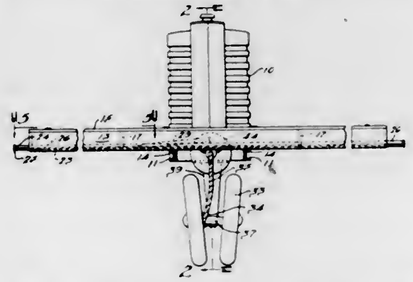
engaging said cam, a tool carried by said carriage in position to operate on a work piece carried by said work supporting shaft, yieldable means holding the support in angular position to maintain the follower against said cam, and means operatively connected to said cam for rotating the same.

2,575,985

FARM SEEDER

Eugene K. Thompson, Tecumseh, Mich.

Application May 10, 1950, Serial No. 161,104
1 Claim. (Cl. 275—2)



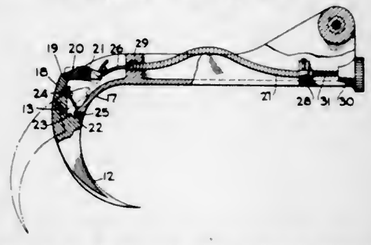
A farm seeder for use in combination with a tractor having a pair of front guide wheels, comprising a feed hopper mounted upon front supports from said tractor, said hopper having material discharge openings at spaced points in the bottom thereof, a trough formed within said hopper, a superimposed floor within said hopper having spaced openings therein leading to said trough, a rod member slidably mounted upon the back of said hopper, a chain located within said trough below said openings in said superimposed floor, the ends of said chain being secured to the ends of said slidable rod, means to actuate said rod for reciprocating said chain relative to said hopper, comprising a disc member mounted upon the axle of said front guide wheels, a spur gear in mesh with said disc, a flexible cable having one end thereof secured to said spur gear and the other end thereof to a bearing box secured to said hopper, a disc member having a plurality of radially spaced openings therein rotatably mounted upon said bearing box and rotated by said cable, and a link member connecting said last mentioned disc and said rod member to impart oscillatory movement to said rod.

2,575,986

BALE HANDLING HOOK

Le Roy D. Yoder, Clarence Center, N. Y.

Application March 21, 1949, Serial No. 82,687
2 Claims. (Cl. 294—26)



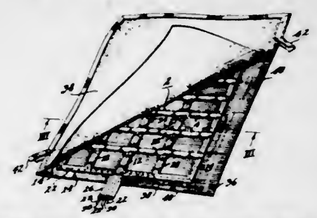
1. A tool for handling bales and the like, comprising a substantially channel-shaped body including a shank at one end having a hooking tine pivoted thereon and a widened handle portion at its other end having a hand grip thereon spanning the resulting flanges of said body and spaced from the web portion thereof, the latter forming a protective shield for the hand of the user when engaging said grip, and means including a latching pawl pivoted on said shank and engageable with said hooking tine for releasably latching it in its normal position and an actuating stem guided on said body and connected at one end to said pawl and having a knob at its other end disposed exteriorly of one of the body flanges and in adjoining relation to said hand grip.

2,575,987

CONDUCTING RUBBER HEATING ELEMENT

Raymond A. York, Pitman, and Charles H. Taylor, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application August 29, 1947, Serial No. 771,240
4 Claims. (Cl. 219—46)



2. A self-supporting heating element comprising a gridwork of relatively narrow, thin flexible ribbons of electrically conducting rubber, said gridwork comprising a plurality of longitudinally extending ribbons and a plurality of transversely extending ribbons, all of said ribbons being integrally united at their crossover points, and means for connecting said ribbons in parallel to a source of electrical current.

2,575,988

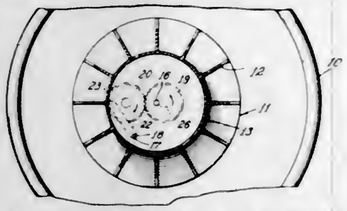
DASHER MECHANISM FOR WASHING MACHINES

Alpheus W. Altorfer, Jr., Peoria, Ill.

Application January 15, 1948, Serial No. 2,527
9 Claims. (Cl. 68—133)

1. In a washing machine having a tub; a dasher mounted in the bottom of the tub and extending above the water line of the tub; power driven means for imparting circular bodily movement to said dasher in an orbital path about a

fixed axis within said tub; and power driven means for imparting oscillatory movement to said dasher as it transcribes its orbit, said last-named



means including at least one movable element offset with respect to the axis of said dasher and a link connected in a reciprocating relation to the dasher.

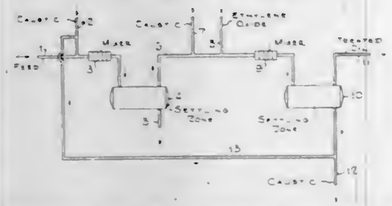
2,575,989

TREATMENT OF PETROLEUM DISTILLATES

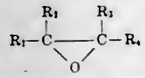
Erving Arundale, Westfield, and John P. Thorn, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 3, 1949, Serial No. 113,942

12 Claims. (Cl. 196—24)



1. Process for the conversion of mercaptan compounds in a petroleum oil containing the same into relatively innocuous compounds which comprises contacting said petroleum oil with an alkylene oxide in the presence of an alkaline catalyst, said alkylene oxide being selected from the class of compounds represented by the structural formula



wherein R is selected from the class consisting of hydrogen and alkyl groups containing from 1 to 2 carbon atoms.

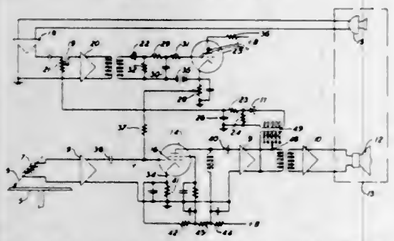
2,575,990

AUTOMATIC VOLUME CONTROL

Herbert W. Augustadt, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 31, 1949, Serial No. 136,337

4 Claims. (Cl. 179—1)



1. Means for automatically controlling the gain of an electrical sound program reproducing system in accordance with the level of disturbing noise during an interval of no sound reproduction, said system including a variable gain thermionic vacuum tube, comprising noise pick-up means, an amplifying channel for deriving from the pick-up means a positive rectified voltage proportional to the noise level, a second thermionic vacuum tube having at least a cathode, a control grid and an anode, the control grid being normally biased negative to the cathode and the cathode being grounded through a resistance, means for applying the rectified voltage to the control grid oppositely to the bias thereon to vary the conductivity of the second tube and therewith the voltage drop across the resistance proportionally to variation in the noise level, means for applying a selected fraction of the voltage drop to vary the gain of the first-named tube in the same sense as the variation in noise level and means controlled by the system for disabling the amplifying channel during the reproduction of sound by the system.

2,575,991

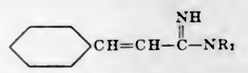
CINNAMAMIDINE DERIVATIVES

Richard Baltzly, New York, and Emil Lorz, Yonkers, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York

No Drawing. Application March 24, 1949, Serial No. 83,293

10 Claims. (Cl. 260—564)

1. New chemical compounds of the group consisting of



in which R is an alkyl radical containing from two to six carbon atoms, and their ring substituted derivatives in which up to two carbon atoms in the ring are substituted by a radical selected from the group consisting of methoxy, ethoxy and methylene dioxy, and the water soluble salts of such cinnamamidines with non-toxic acids.

2,575,992

POLYMERIC LUBRICATING OIL ADDITIVES

Jeffrey H. Bartlett, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 30, 1948, Serial No. 52,125

2 Claims. (Cl. 252—56)

1. A composition consisting essentially of a major proportion of a waxy mineral lubricating oil and a small amount, sufficient to depress the pour point thereof, of a copolymer of about four parts by weight of a tri-ester of aconitic acid wherein at least one ester group contains from 8 to 18 saturated carbon atoms and about one part by weight of vinyl acetate, said copolymer having a molecular weight of from 1,000 to 50,000.

2,575,993

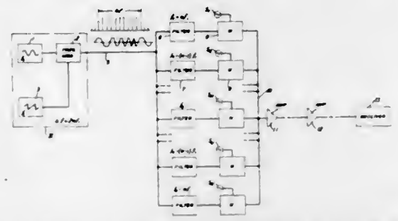
MULTIPLE CARRIER TRANSMISSION SYSTEM

William R. Bennett and Carl B. H. Feldman, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 27, 1948, Serial No. 62,364

24 Claims. (Cl. 332—40)

12. The combination which comprises a source of oscillations of a central high frequency, a source of oscillations of intermediate frequency and of sawtooth wave form, a modulator fed by said sources and adapted to deliver a wave of substantially constant amplitude, whose frequency periodically varies substantially linearly between two values equally spaced about the central frequency, said wave being characterized by a spectrum comprising a number of equally spaced



components of similar amplitudes and of interference-minimizing phases, a bank of band-pass filters fed by said modulator, each filter of said bank being tuned to pass one of said components, a lower frequency signal source associated with each filter, and a signal modulator fed by each of said signal sources and by the filter with which it is associated.

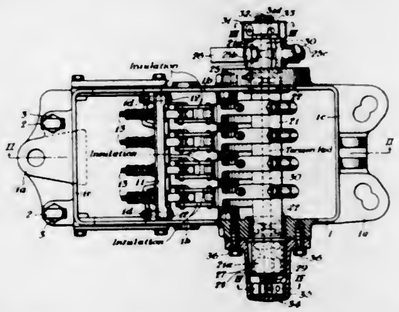
2,575,994

CONTROL SWITCH

Herbert L. Bone, Forest Hills, and Glen V. Jefferson, Edgewood, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application January 13, 1948, Serial No. 1,955

3 Claims. (Cl. 200—18)



2. Control apparatus comprising a housing, a tubular shaft extending through said housing, a crank removably mounted on said shaft at one side of said housing adapted to be moved from an intermediate position to two extreme positions and to be at times held in a selected extreme position, a cam on said shaft within said housing, electrical contacts adapted to be actuated by rotation of said cam; some of said contacts being actuated when the crank is in one extreme position, the remaining contacts being actuated when the crank is in its other extreme position, all of said contacts being unactuated when the crank is in its intermediate position; a torsion rod within said shaft and fixed to the crank end thereof, the other end of said rod extending beyond the other end of said shaft, a stop member fixed to the extending end of said torsion rod, a sleeve encompassing the extending ends of said shaft and rod and the stop member, and fixed externally to said housing, internal splines in said sleeve, an externally splined stop ring received within said sleeve having at least one projection extending into the path of the torsion rod stop member, and a removable cover for closing the open end of said sleeve to hold said stop ring in place, said crank end assembly and stop end assembly of the shaft being interchangeable on the ends of said shaft so that said shaft may be adapted to be operated from either side of the housing, said sleeve and said stop ring providing means externally of said housing for adjusting the bias of said torsion rod so that release of said crank in its extreme positions will cause said torsion rod to move said crank to its intermediate position.

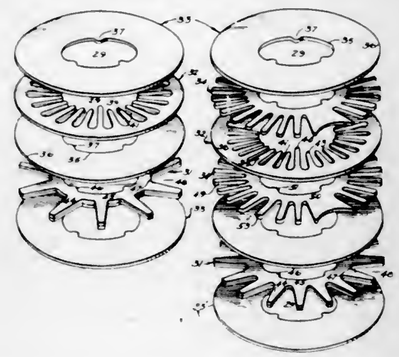
2,575,995

BY-PASS FILTER

Southwick W. Briggs, Washington, D. C., and Walter J. Ewbank, Bethesda, Md.; said Ewbank assignor to The Briggs Filtration Company, Bethesda, Md., a corporation of Maryland

Application June 10, 1946, Serial No. 675,646

7 Claims. (Cl. 210—183)



1. A filter cartridge comprising a series of centrally apertured discs stacked to form a cartridge with a central bore, certain of said discs having webs extending from an annular surrounding the central aperture and serving as inlet discs, other of said discs having fingers extending inwardly to the central aperture from an outer annulus and serving as drainage discs, the edges of adjacent fingers being parallel near their inner ends, other of said discs having webs extending outwardly from an annulus surrounding the central aperture but of less thickness than the inlet discs and serving as spacer discs, the remainder of said discs being of a porous material and constituting filter discs, said inlet and drainage discs being stacked in alternating relationship to each other, spacer discs lying adjacent both sides of said drainage discs, and filter discs lying adjacent both sides of said inlet discs.

2,575,996

EXPANDED SCALE ROOT MEAN SQUARE TYPE VOLTMETER

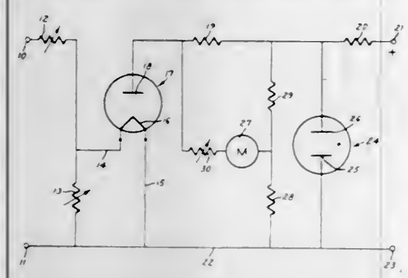
Adolph Bunblasky, New Canaan, Conn., assignor to Sorensen & Company, Inc., Stamford, Conn., a corporation of Connecticut

Application October 12, 1949, Serial No. 121,009

2 Claims. (Cl. 171—95)

1. A voltmeter adapted to indicate relatively small percentage changes in the root mean

square value of a predetermined alternating current voltage, said voltmeter including a vacuum tube having at least a plate element and a tungsten filament, variable voltage divider means for applying a predetermined portion of any one of a wide range of predetermined input voltages across said filament, a Wheatstone type bridge circuit having four arms, said arms including a first resistance, a second resistance, a third resistance all being serially connected and said vacuum tube, the plate element thereof being connected to said first resistance, the filament thereof being connected to said third resistance, means for applying a predetermined direct current voltage across the diagonal of the bridge formed by the junction of said first and second resistance and the junction of said filament and



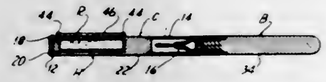
said third resistance, a milliammeter connected across the opposite diagonal of said bridge, and means for calibrating said milliammeter to indicate small changes in the root mean square value of said predetermined input voltage whereby the quiescent current through said milliammeter is predeterminable to maintain the meter at mid-scale when the predetermined portion of the predetermined input voltage is impressed across said filament and changes in the effective value of said input voltage results in a change in the plate current in said vacuum tube, a resultant unbalance in said bridge circuit, and an indication on said milliammeter, either side of mid-scale, proportional to the change in said plate current and resultant indication of the change in the effective value of said input.

2,575,997

COSMETIC ACCESSORY COMPRISING A ROUGE CUP AND A BRUSH

Richard N. Carver, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application April 5, 1946, Serial No. 659,963
16 Claims. (Cl. 15—130.1)



1. A cosmetic accessory comprising a container and a brush detachably assembled, said container having a housing portion, a hollow handle projecting therefrom, and a cosmetic cup pivotally mounted for movement into or out of said housing portion without complete mechanical separation from said housing, said cup being normally enclosed when in said housing and inaccessible to the brush, and being exposed by ready movement out of the housing for access by the brush, said brush being detachably received in said hollow handle of the container.

2,575,998

OPTICAL ELEMENT OF POLYMERIZED METHACRYLATE RESIN COATED WITH THIN FILM OF THERMOSET RESIN

Dexter P. Cooper, Jr., Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

No Drawing. Application December 17, 1947, Serial No. 792,342
3 Claims. (Cl. 88—57)

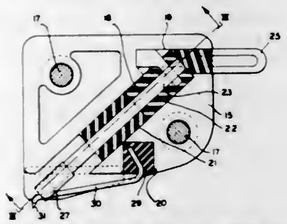
1. An optical element of a transparent, polymerized methacrylate resin coated with a hard, smooth, scratch-resistant, transparent, thermoset resin from the class consisting of melamine-formaldehyde, urea-formaldehyde, and phenol-formaldehyde resins, the said coating being of a substantially uniform thickness of the order of from 0.5 micron to 1.5 microns.

2,575,999

PIEZOELECTRIC PHONOGRAPH PICKUP

John E. Cordes, Lakeville, Ohio, assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio

Application May 18, 1949, Serial No. 93,929
3 Claims. (Cl. 179—100.41)



3. A pick-up cartridge for an electric phonograph comprising a casing adapted to be secured to the outer free end of a tone arm, a piezoelectric transducer positioned in said casing, means in said casing to resiliently clamp a portion of said transducer with another portion of said transducer being freely disposed whereby said transducer may be flexed for the generation of an electric potential, a coupling member rigidly secured to the freely disposed portion of said transducer and being supported wholly on said transducer, said coupling member having a wedge-shaped recess, an elongated stylus removably anchored in said casing at a point spaced from said coupling and having an integral portion received in said recess, the mounting for said stylus being operative to bias said integral portion into pressure engagement with said recess, and a record engaging tip on said stylus adjacent said integral portion.

2,576,000

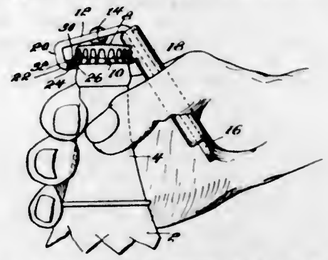
FULCRUM TYPE CROWN CAP REMOVER

Charles H. Cowan, Jr., St. Petersburg, Fla.

Application December 1, 1948, Serial No. 62,877
1 Claim. (Cl. 81—3.46)

A bottle opener for crown caps comprising a bar, a ball on the bar forming a fulcrum on the bottle cap at approximately the center thereof, an angular handle on one end of the bar, a resilient covering on the handle engaging one side of the cap, a bent nib arm on the other end of the

bar having an arcuate end which is recessed to provide an inner arcuate wall, and a shelf formed



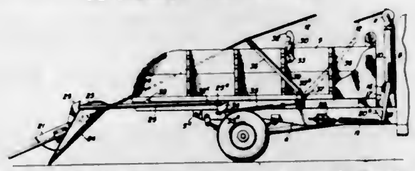
by the bottom of the recess end engaging the under side of the cap flange.

2,576,001

SELF-LOADING AND UNLOADING AUTO TRUCK

James W. Daniels, Fort Myers, Fla.

Application January 25, 1949, Serial No. 72,608
11 Claims. (Cl. 214—92)



1. In a self-loading vehicle, a truck having a body, a scoop receiver and carrier pivoted for vertical swinging movement on the truck body between the ends of the latter, a scoop, means including a drag line for dragging the scoop toward the truck onto the receiver and carrier and for then swinging the scoop and the receiver and carrier upwardly and forwardly to bring the scoop over the truck body in tilted dumping position, means for limiting the forward swinging movement of the scoop receiver and carrier, and means including a stop member movable into the path of said receiver and carrier to stop it in scoop dumping position before reaching said limiting means, said stop member being movable out of the path of said receiver and carrier transverse shafts journaled on the underside of the body at opposite sides of the latter and having crank arms on their outer ends, said receiver and carrier including a tubular U-shaped frame having its ends removably telescoped over and secured on said crank arms, and tension springs connected to the inner ends of said transverse shafts to cause swinging the receiver and carrier rearwardly to scoop receiving position.

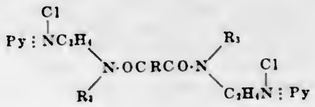
2,576,002

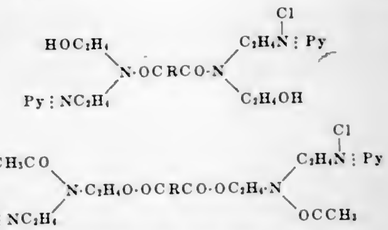
DIPYRIDINIUM COMPOUND

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

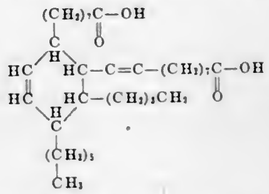
No Drawing. Original application April 2, 1945, Serial No. 586,265. Divided and this application November 26, 1945, Serial No. 630,972
1 Claim. (Cl. 260—295)

A dipyridinium compound, selected from the class consisting of





in which OCRCO is the acid radical of



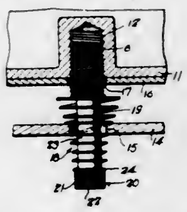
in which Py:N is the pyridinium radical, and in which R_3 is a member of the class consisting of hydrocarbon radicals having not more than seven carbon atoms and hydrogen atoms.

2,576,003

EASY LINE BOLT

John P. Dry, Winters, Tex.

Application July 21, 1948, Serial No. 39,922
2 Claims. (Cl. 85—1)



1. In a bolt provided with an exteriorly-threaded end, a cylindrical portion extending from said threaded end and having a smaller diameter than the threaded end, a knurled head on the other end of said bolt for rotating the latter, said cylindrical portion having an inwardly extending socket adjacent said head and said threaded end and said sockets extending inwardly of said portion from opposite sides thereof and resilient means embodying a conical helical spring circumposed on said cylindrical portion for biasing a sealing member away from said head and the ends of said springs being fixed in the sockets in said portion with the base of the conical spring adjacent said threaded end.

2,576,004

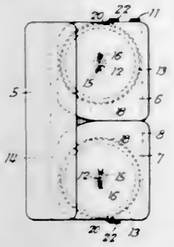
SEMIREVOLVING VEHICLE SEAT

Glenn T. Fair, Belvidere, Ill.

Application January 11, 1946, Serial No. 640,407
8 Claims. (Cl. 155—97)

1. A plural passenger vehicle seat adapted for use as a front seat in an automobile comprising an elongated frame for support of a plurality of seat bottoms, a fixed back extending lengthwise of said frame and projecting upwardly from the rear portion thereof, the lower portion of the back being recessed on the front for seat bottom

operating clearance, a pair of turntables mounted in the opposite end portions of said frame on substantially vertical axes the rear portions of which lie in said recess, and seat bottoms whose



rear portions also project into said recess with operating clearance mounted for swivel operation on said turntables said seat bottoms forming the entire opposite end portions of the seat.

2,576,005

COMBINED HEDDLE AND LINGO AND METHOD OF MAKING THE SAME

Silvius A. Ferrary, Paterson, N. J.

Application March 1, 1949, Serial No. 79,005

7 Claims. (Cl. 139—90)



4. A combined heddle and lingo, the heddle having an eye near the lower end thereof and the lingo comprising a rod having an eye in its upper end, the eye in the lingo being elongated and in line with the length of the lingo rod, there being a slot of appreciable width in the forward sidewall of the lingo eye substantially intermediate the ends thereof, the heddle eye being adapted to be threaded through the slot in the lingo eye, the portion of the sidewall of the lingo eye abutting the slot being substantially rigid, the heddle and lingo being so connected, the eye of the heddle lying within the upper portion of the eye of the lingo, and a rivet inserted in the lingo eye and headed over therein to prevent escape of the heddle eye through the slot in the lingo eye, the central portion of the rivet lying snugly in contact with the rear wall of the eye of the lingo and with the two inner edges of the slot of the forward wall of such eye, there being heads on both ends of the rivet overlying partially the inner edges of the lingo eye in the vicinity of the slot through the sidewall thereof, whereby the rivet is prevented from axial withdrawal from the lingo eye.

2,576,006

METHODS OF FORMING SHAPED FIBRIN PRODUCTS

John D. Ferry and Peter R. Morrison, Madison, Wis., assignors to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 29, 1947, Serial No. 788,954

6 Claims. (Cl. 154—83)

1. That method of treating fibrin for improving its water-equilibrated mechanical properties comprising adjusting the moisture content of a clot of intact fibrin to a value of about 15–25% and subjecting the clot at the adjusted value to the action of steam at a temperature of the order of 100–155° C.

5. The method of forming shaped fibrin products comprising adjusting the moisture content of a clot of intact fibrin to a value of about 50% affording ready manipulation, shaping the clot about a form, reducing the moisture content of the clot to a value of about 15–25%, subjecting the shaped clot to the action of steam and removing the steamed product from the form.

2,576,007

GUN SIGHT MOUNTING

George M. Fischer and Bazle G. Fischer, Billings, Mont.

Application January 5, 1949, Serial No. 69,326

4 Claims. (Cl. 33—50)



1. In combination with a substantially tubular gun sight, a mounting comprising an elongated base attachable in a longitudinally extending position to a gun, the forward end portion of said base being upturned and formed with a V-shaped seat for the forward end portion of the sight, a pair of transversely spaced and parallel adjusting screws extending upwardly from screw-threaded apertures formed in the rear end portion of said base, said screws having substantially conical heads providing upwardly divergent seating surfaces for the rear end portion of the sight, a plate having downturned flanges adapted to straddle longitudinal edges of an intermediate portion of said base, a clamping screw extending through said flanges whereby the latter may be urged in frictional engagement with said base, and a plurality of sight clamping bands having ends thereof secured to said plate, whereby said plate and the associated sight may be bodily removed from said base without disturbing the adjustment of said screws.

2,576,008

WET BLASTING MACHINE

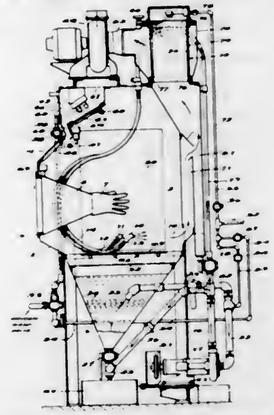
Wiltie I. Gladfelter and Ralph R. Garver, Hagerstown, Md., assignors to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application September 9, 1949, Serial No. 114,844

15 Claims. (Cl. 51—8)

1. In a wet blasting machine, and in combination, a circuit including a slurry storage body for a slurry of abrasive particles, pump mechanism having an outlet and an inlet, said outlet being connected to the bottom of the storage body and the said inlet being connected to a slurry-receiving intake located in the storage body above the outlet a distance sufficient to receive a working amount of abrasive particles, for circulating slurry

through said circuit and upwardly through said body for maintaining uniformity of suspension



therein, a blast projector, and means for delivering slurry from the discharge side of said pump circuit to said projector.

2,576,009

PROCESS FOR ARRESTING THE POLYMERIZATION OF CHLOROPRENE

John R. Goertz, Clarksville, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 22, 1948, Serial No. 40,152

1 Claim. (Cl. 260—92.3)

In the process of polymerizing chloroprene in aqueous emulsions, the step of short-stopping the polymerization at any desired point which comprises intimately incorporating in the polymerization mass from 0.005% to 0.15%, calculated on the residual monomer present in the polymerization mass, of each of the compounds thiodiphenylamine and p-tertiarybutyl catechol, the said compounds being used in each case in approximately equal amounts.

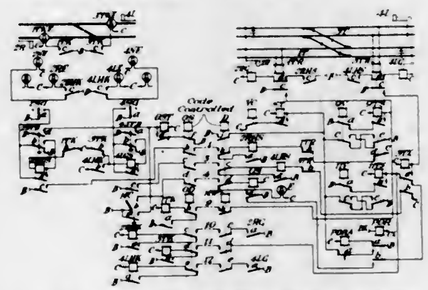
2,576,010

SIGNAL CLEARING RELAY FOR CENTRALIZED TRAFFIC CONTROL SYSTEMS OF THE CODE TYPE

James I. Grammer, Western Springs, Ill., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application February 19, 1946, Serial No. 648,716

3 Claims. (Cl. 246—3)



1. In a centralized traffic control system, a control relay, a communication system for governing the operation of said relay from a control office; a control lever, a stick relay, and a starting button, all located at said office, means responsive to the operation of said starting button for causing the communication system to operate the control relay to a position determined by that of said stick relay, a pick-up circuit for the stick relay including a reverse contact of said lever and a normally open contact controlled by said button, and a stick circuit for the stick relay including said signal lever contact bridged by a normally closed contact controlled by said button.

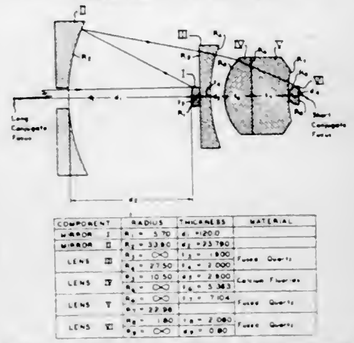
2,576,011

CATADIOPTRIC OPTICAL SYSTEM

David S. Grey, Weston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application July 11, 1950, Serial No. 173,209

7 Claims. (Cl. 88—57)

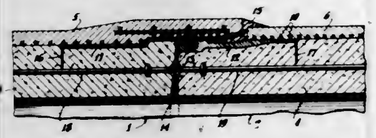


COMPONENT		RADIUS	THICKNESS	MATERIAL
MIRROR	I	R_1 = 5.70	d_1 = +1.200	
MIRROR	II	R_2 = 33.80	d_2 = +33.780	
LENS	III	R_3 = ∞	d_3 = -1.900	
		R_4 = 27.50	t_A = 2.000	Fused Quartz
LENS	IV	R_5 = 10.50	d_5 = 2.800	
		R_6 = ∞	t_B = 5.363	Calcium Fluoride
LENS	V	R_7 = ∞	t_C = 7.104	Fused Quartz
		R_8 = 22.96		
LENS	VI	R_9 = 1.80	t_D = 2.000	Fused Quartz
		R_{10} = ∞	d_{10} = 0.80	

1. A lens system providing a microscope condenser, a microscope objective, a photographic objective, a projection objective and the like, which is corrected for spherical aberration and coma for differences in index of refraction caused by changes in refractive index of the order of 0.07 in accordance with variation of the wavelength of light throughout a wavelength range extending from within the medium ultaviolet region of the spectrum to within the infrared region of the spectrum, while maintaining the position of the conjugate foci of said objective substantially constant for wavelengths within said range, said objective comprising a plurality of optically aligned catoptric components which have substantially spherical surfaces and which are at least partially uncorrected for optical aberrations and, in optical alignment therewith, a plurality of dioptric components which have substantially spherical surfaces and which are also at least partially uncorrected for optical aberrations and which are located on the side of the catoptric components that includes the short conjugate focus of said objective, said catoptric components comprising a concave mirror having a concave reflecting surface and a convex mirror having a convex reflecting surface, said concave mirror being provided with an opening extending centrally therethrough and having said concave reflecting surface in surrounding relation to said opening, said concave mirror being positioned to have the reflecting surface thereof facing said dioptric components and said convex mirror being positioned to have the reflecting surface thereof facing said concave reflecting surface, and said dioptric components comprising a substantially plano-concave lens which contributes overcorrected spherical aberration to the system and which is located closely adjacent

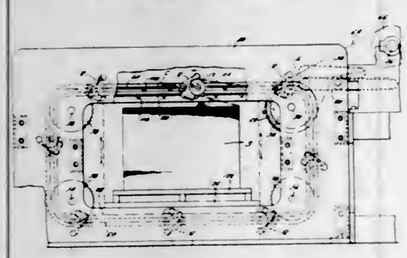
said convex mirror, a compound lens, which is at least partially achromatized and which increases the convergence of the system, spaced from said plano-concave lens on the short conjugate side of said plano-concave lens, and a hemispherical type lens located on the short conjugate side of said compound lens and having its plane surface positioned substantially at the short conjugate focus of the system whereby the short conjugate focus is located approximately at the Amici point of said hemispherical type lens.

2,576,012
SLEEVE JOINT FOR CONCRETE TUBES
Arnoldus Johannes Gurck, The Hague, Netherlands, assignor, by mesne assignments, to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application April 4, 1950, Serial No. 153,900
In the Netherlands February 16, 1949
3 Claims. (Cl. 138—84)



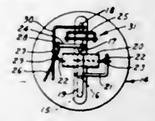
1. In a conduit pipe, the combination comprising a concrete tube, a metallic joint ring mounted to an end of said concrete tube, said joint ring having a tubular portion overlapping said concrete tube and an annular flange extending from said tubular portion inwardly thereof into the concrete of said tube, and longitudinal reinforcement embedded in the concrete of said tube, said reinforcement being stressed to hold said concrete tube under axial compression and having portions thereof radially displaced from said flange whereby the concrete adjoining both sides of said flange is constantly pressed thereagainst.

2,576,013
SHEET DELIVERY AND STACKING
Lawrence H. Haskin, Jr., Bloomfield, N. J., assignor to Champlain Company, Inc., Bloomfield, N. J., a corporation of New York
Application October 15, 1949, Serial No. 121,500
34 Claims. (Cl. 271—68)



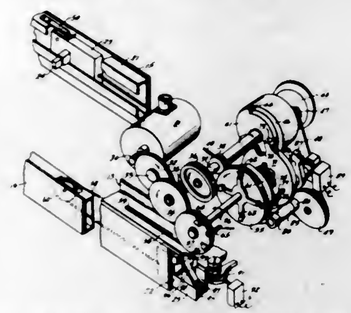
1. Sheet stacking apparatus comprising reverse means to receive and feed a moving sheet in reverse direction relative to the initial direction of motion of the sheet, and endless carrier means to bodily move said reverse means at a uniform speed to cause said reverse means to travel in the direction of the initially received moving sheet, whereby the velocity of the sheet is reduced to the difference between the feed speed of the reverse means and the speed of the carrier means.

2,576,014
FILAMENT FAILURE DEVICE FOR ELECTRONIC TUBES
Leo L. Helterline, Jr., South Norwalk, Marcellus Best, Jr., Stamford, and Adolph Bunblasky, New Canaan, Conn., assignors to Sorensen & Company, Inc., Stamford, Conn., a corporation of Connecticut
Original application February 7, 1948, Serial No. 6,866. Divided and this application April 1, 1949, Serial No. 84,806
6 Claims. (Cl. 313—146)



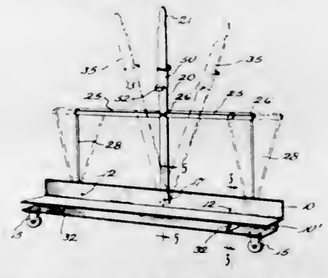
2. An electronic tube comprising an evacuated envelope and a filament and plate in said envelope, means for short circuiting said filament and plate on failure of said filament, and said means comprising a spring loaded wire connected with said filament.

2,576,015
GUN CHARGER
Paul E. Humphrey, San Diego, Calif., assignor to the United States of America as represented by the Secretary of the United States Air Force
Application November 9, 1949, Serial No. 126,347
10 Claims. (Cl. 89—1)



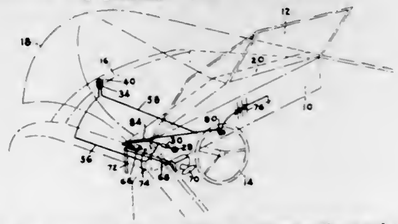
1. An electric gun charger for use with a machine gun of the type having a gun bolt stud operative along slot means in the gun comprising; a frame having two channeled tracks in parallel relation extending therefrom; a reset carriage operable to travel in one of said channeled tracks and a drive carriage operable to travel in the other channeled track, said reset and drive carriages being longitudinally spaced along the channeled tracks with the reset carriage rearwardly to receive a gun bolt stud longitudinally therebetween; an electric power motor supported by said frame; means frictionally coupling said power motor to said reset carriage to power said reset carriage in a counter-recoil direction with a force determined by the frictional coupling; means coupling said power motor to said drive carriage to drive said drive carriage in the recoil direction; a positive engageable clutch in said last mentioned coupling means for selectively coupling said electric power motor with said drive carriage; and means operated by said frictional coupling for engaging said positive engageable clutch to cause said power motor to drive said drive carriage in the recoil direction when said reset carriage has advanced a predetermined distance in the counter-recoil direction whereby a gun attached to the gun charger with the gun bolt stud longitudinally between said reset and drive carriages will be charged and cocked during gun firing activity whenever the gun fails to recoil.

2,576,016
LIFTING JACK
Mitchell B. Janusz, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 4, 1947, Serial No. 741,005
2 Claims. (Cl. 254—2)



1. A jack comprising a pair of elongated angle members in nested relation, means securing said members together to permit limited vertical sliding of one relative to the other of them, a plurality of cams disposed between said members for raising and lowering one of them relative to the other, linkage means connecting said cams whereby they may be actuated in unison, an upstanding lever operatively connected to said linkage, and means associated with said lever for engaging an article to be lifted, whereby the jack may be secured in elevated position.

2,576,017
AUTOMOBILE HOOD POSITION WARNING INDICATOR
John Jeffrey, Mount Clemens, and Thomas T. May, Grosse Pointe Park, Mich.
Application February 9, 1949, Serial No. 75,392
2 Claims. (Cl. 177—311)



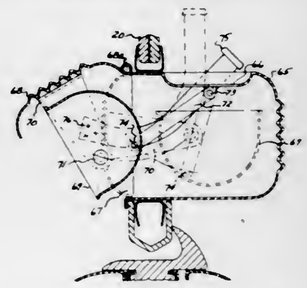
1. In combination with an upwardly and rearwardly opening hood on the front end of an automobile having a primary latch for holding the hood firmly closed and a secondary latch for holding the hood loosely closed, a warning electric signalling device in the driver compartment of the automobile, a circuit for the signalling device including a switch mounted in a fixed part of the automobile adjacent to the hood, said switch having a movable element engageable by the hood in the closing positions thereof and arranged to open the switch when the hood is held closed by the primary latch and to close the switch when the hood is held closed only by the secondary latch.

2,576,018
VIOLIN HOLDER AND HARNESS
Marcus E. Johnson, Amidon, N. Dak.
Application February 2, 1950, Serial No. 141,974
3 Claims. (Cl. 84—280)



1. A violin holder of the class described comprising a holder separably applicable to the median portion of a violin, said holder embodying a transverse truss member, and harnessing means, said means embodying a rigid elongated reach arm adapted to partially underlie the violin with one end portion projecting beyond the butt end of the violin, an arcuately shaped adapter collar adapted to be conformingly fitted and hung about the neck of the violinist, said collar being secured at one end to the adjacent end of said reach rod, and bolt means separably and hingedly connecting the first-named end of said reach rod to said truss member.

2,576,019
CIGARETTE TRAY
John M. Kisselle, Detroit, Mich.
Application July 16, 1948, Serial No. 39,031
5 Claims. (Cl. 206—19.5)



5. In a vehicle, a window panel at one side of the vehicle movable around a substantially vertical axis intermediate the front and rear edges of the panel so that the portion of the panel spaced forwardly of said axis is permitted to swing inwardly of the vehicle and the portion of said panel spaced rearwardly of said axis is permitted to swing outwardly of the vehicle, said panel having an opening therein adjacent the lower edge of the panel and disposed rearwardly of said vertical axis, a housing mounted on said panel in said opening, said housing having an inlet opening on the inner side of said panel and an outlet opening on the outer side of said panel, an ash receptacle mounted in said housing and movable with said housing and the rear portion of said panel in a direction outwardly of the

vehicle about said vertical axis, said ash receptacle being movably supported in said housing for movement from a position juxtaposed to said inlet opening to a position wherein at least a portion of said receptacle projects outwardly through said outlet opening in said housing to dump the contents thereof exteriorly of the vehicle, and means operably connected with said receptacle and said housing and operable when actuated to shift said receptacle from one of said positions to the other position.

2,576,020

MANUFACTURE OF PYROMELLITIC ACID

Jan J. A. Knops, Oirsbeek, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands

No Drawing. Application August 29, 1950, Serial No. 182,143. In the Netherlands September 17, 1949

10 Claims. (Cl. 260—522)

1. A process for the manufacture of pyromellitic acid which comprises providing a quantity of a polycarboxylic acid from the group consisting of benzene penta- and hexacarboxylic acids, applying said acid to a finely divided inert solid material to provide a plurality of solid particles carrying said acid, fluidizing said particles in a gas stream containing water vapor, heating said particles to a temperature between 250° and 400° C. while fluidized in the gas stream and thereafter recovering pyro-mellitic acid from the gas stream.

2,576,021

TOBACCO SUBSTITUTE CONTAINING BAGASSE

Jean U. Koree, New York, N. Y.

No Drawing. Application September 10, 1948, Serial No. 48,769

2 Claims. (Cl. 131—2)

1. A substitute for tobacco consisting of a sheeted product containing no natural tobacco and consisting of bagasse and agents which impart to the product the flavor, aroma and appearance of natural tobacco, said agents including a sugar, an aliphatic hydroxy acid, an amino acid, a hygroscopic aliphatic polyhydric alcohol, a natural water-soluble ester gum, an essential oil and an organic water-soluble coloring matter, the bagasse being present in the product in an amount greater than said agents and in the form of a mixture containing from about 25% to 50% by weight of relatively short fibres and from about 50% to 75% by weight of relatively long fibres, said product having substantially the same burning characteristics as dried natural tobacco.

2,576,022

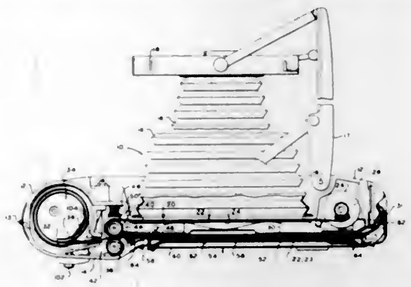
PHOTOGRAPHIC APPARATUS

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application October 14, 1948, Serial No. 54,496

15 Claims. (Cl. 95—13)

1. In a camera for photographically exposing a photosensitive sheet and processing said sheet in conjunction with another sheet and a processing liquid carried by a container, said camera being of the type which comprises means for exposing an area of said photosensitive sheet, means for supplying said photosensitive sheet, means for supplying said other sheet, means comprising a pair of pressure members between which said photosensitive sheet and said other sheet are moved in superposed relation with said container therebetween to cause the release and spreading of said liquid between said sheets, the combination with said pressure members of a chamber into which said superposed sheets are advanced after spreading of said liquid, said chamber having a passage adjacent said pair of pressure members for receiving said superposed sheets as the



latter leave said pressure members, door means providing access to said chamber, means associated with said door means for supporting a heating element in heat-transferring relationship to said chamber, means for holding said superposed sheets in heat-absorbing relationship to said door, and means substantially slowing escape of heat through said door.

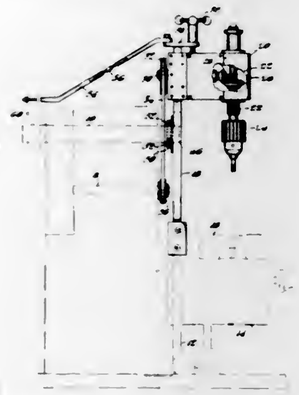
2,576,023

MILLING MACHINE ATTACHMENT

James R. La Rosee, Waltham, Mass.

Application December 4, 1948, Serial No. 63,574

5 Claims. (Cl. 90—19)



1. A vertical attachment for horizontal-spindle milling machines, comprising an upright member, a rotatable spindle, means for securing the upright member to the machine comprising connections at the lower end of the upright to engage the vertical ways of the machine, a connection intermediate the ends of the upright for engaging the forward end of the horizontal arm of the machine, and a brace extending from the top of the upright rearwardly and downwardly for connection to the horizontal arm at the rear of the machine, and driving connections for actuating the spindle of the attachment from the spindle of the machine.

2,576,024

SCROTUM SLEEVE

William P. Laser, Shrewsbury, Mo.

Application November 16, 1948, Serial No. 60,329

4 Claims. (Cl. 128—157)



1. A weighted annulus of predetermined thickness to be worn on a scrotum and provided with a transverse opening through the annulus to form a C-shaped member to receive the scrotum within the annulus, and a plug removably frictionally closing said transverse opening to retain the scrotum within the annulus.

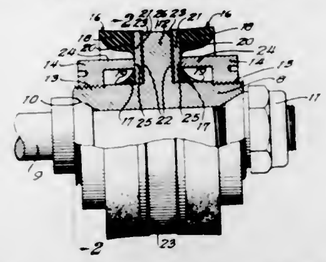
2,576,025

PUMP PISTON

John W. MacClatchie, Los Angeles, Calif.

Application October 2, 1948, Serial No. 52,556

4 Claims. (Cl. 309—4)



1. In a pump piston, a hub, the ends of said hub being threaded, a radially projecting flange medial of the length of said hub and fixed against longitudinal movement relative thereto, an annular packing element mounted on each end of the hub with said radially projecting flange forming a longitudinal backing for said packing elements, each of said packing elements having inner and outer radial portions formed of resilient material, and having a radially projecting reinforcing member, and means threaded on said hub engaging said radially projecting reinforcing member between said inner and outer radial resilient portions and adapted to seal off said radially projecting reinforcing member with respect to said radially projecting flange.

2,576.026

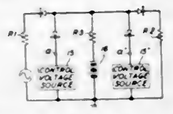
ELECTRONIC SWITCH

Larned A. Meacham, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 28, 1950, Serial No. 170,726

3 Claims. (Cl. 171—97)

1. A switching network which comprises a plurality exceeding three of asymmetrically conducting devices each having an electrode connected to a junction point, said devices having like electrodes connected to said junction, an input connected to one of said devices, an output connected to another of said devices, control means connected to the remainder of said devices, and a source of direct current connected to said junction.



2,576,027

SURGICAL CAST

John E. Means, Seattle, Wash.

No Drawing. Application July 16, 1946, Serial No. 684,001

1 Claim. (Cl. 128—90)

The method of making a cast for the support of an anatomical segment of a living body, that comprises impregnating a bandage with a chemical that has the property of a potential catalyzing agent with reference to a solution of resin, wrapping the anatomical segment with said bandage, and then applying a solution of resin to the bandage in place on the segment whereby said resin solution is polymerized to form a rigid solid substantially conforming to the size, shape and position of the bandage.

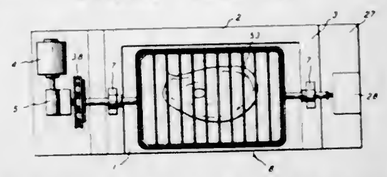
2,576,028

MOVABLY MOUNTED FOOD SUPPORT

Reginald P. Mitchell, Fort Worth, Tex.

Application February 6, 1948, Serial No. 6,642

6 Claims. (Cl. 99—397)



1. In a cooking apparatus, an elongated rack assembly mounted on a base for rotary action about its longitudinal axis and comprising a rotatably supported outer frame and an inner frame adapted to be removed from the said outer frame, stop means for holding said inner frame in said outer frame, slidable means aligned within the referred to axis for detachably securing the said inner frame within the said outer frame, handle means laterally projecting from the first named means, and a projecting stop secured to said base outwardly of the said handle means whereby the said slidable means cannot be operated except when the said rack assembly is in a horizontal position, and the said inner frame is positioned upwardly of the said outer frame.

2,576,029

CATHODE-RAY DEVICE

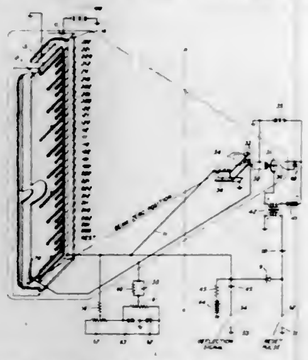
Milton E. Mohr, Los Angeles, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 1, 1950, Serial No. 146,967

11 Claims. (Cl. 315—3)

1. Electron discharge apparatus comprising a target electrode having an edge thereon and a series of apertures arranged in a row substantially parallel to said edge, a collector electrode, an auxiliary electrode having a series of parallel finger-like appendages of varying lengths ex-

tending across the front of said target electrode, some of said appendages passing over said apertures, cathode means for generating an electron beam, means for focusing and accelerating said electron beam toward said target electrode, deflection means between said target electrode and said focusing and accelerating means, said deflection means comprising deflection plates in a first coordinate and deflection plates in a second coordinate, means for applying a group of



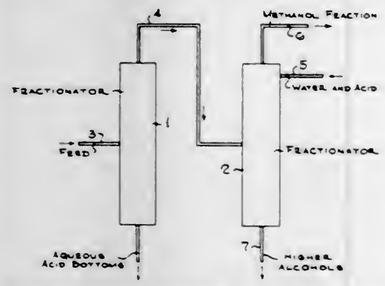
code pulses to said deflection means to cause said electron beam to move in a coordinate direction substantially normal to said finger-like appendages, feedback means between said target electrode and the deflection plates of said first coordinate to cause said electron beam to move in the direction of said first coordinate, feedback means between said auxiliary target and the deflection plates in said second coordinate to cause said electron beam to maintain a position on one of said finger-like appendages.

2,576,030

DISTILLATION OF CARBONYL COMPOUNDS FROM ALCOHOLS

Charles E. Morrell, Westfield, and Richard F. Robey, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 29, 1947, Serial No. 794,216
5 Claims. (Cl. 202—57)



5. In a process of distilling an aqueous mixture consisting of an alcohol and at least one low-boiling carbonyl component said carbonyl component being selected from the group consisting of acetaldehyde, propionaldehyde and acetone, and said water-soluble alcohol boiling at a higher temperature than said carbonyl component, wherein carbonyl component vapors tend to become anhydrous as they pass upwardly countercurrent to internal liquid reflux in an upper part of a fractionation zone, the method of preventing undesired reaction between carbonyl component vapors and the alcohol under the distillation conditions which comprises continuously supplying a small amount of water insufficient to alter the relative volatility of said carbonyl and alcohol components to said internal liquid reflux in the uper part of the fractionation zone, maintaining the resulting aqueous liquid reflux at a pH no greater than 7 throughout the fractionation zone, distilling at least one of said carbonyl components non-azeotropically in essentially anhydrous condition overhead from said fractionation zone, and withdrawing from a bottom part of the fractionation zone the residue internal liquid reflux containing the water and said alcohol.

2,576,031

LUBRICATING GREASE CONTAINING SOAPS OF TALL OIL

Arnold J. Morway, Rahway, and John J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 9, 1949, Serial No. 86,586
7 Claims. (Cl. 252—33.6)

6. A lubricating grease composition consisting essentially of mineral lubricating oil having a viscosity between 35 and 150 S. U. S. at 210° F., thickened to a grease consistency with a combination of about 15% by weight, based on the total composition, of the soda soap of high molecular weight organic material of the class consisting of higher saturated fatty acids and their esters and tall oil and comprising a substantial proportion of tall oil and about 6% of sodium furoate.

2,576,032

LUBRICATING GREASE

Arnold J. Morway, Clark Township, Union County, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 5, 1949, Serial No. 91,644
6 Claims. (Cl. 252—41)

1. A lubricating grease composition consisting essentially of 65 to 95% by weight of mineral base lubricating oil, 1 to 10% of an alkali metal salt of a cycloalkanoic acid having 3 to 6 carbon atoms in the ring and having a molecular weight not greater than 160, and 4 to 25% of the same alkali metal soap of fatty acid having between 12 and 24 carbon atoms.

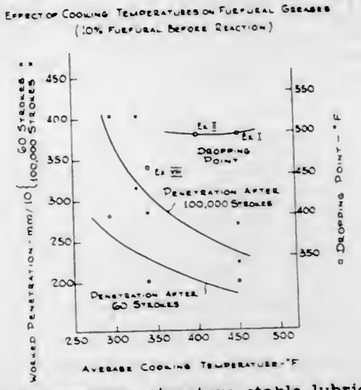
2,576,033

PREPARING HIGH-TEMPERATURE LUBRICATING GREASES

Arnold J. Morway, Rahway, and John J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 17, 1949, Serial No. 133,542
11 Claims. (Cl. 252—33.6)

1. Process which comprises adding 3 to 25 parts by weight of a heterocyclic aldehyde having no alpha hydrogen and having a 5-membered heterocyclic ring to 15 to 55 parts of mineral lubricating oil, adding an alkali metal base to form the Cannizzaro reaction products in said oil, forming 3 to 30 parts of soap of C_{12} to C_{22} fatty material in said oil, cooking to a temperature of 290 to 350° F., and thereafter adding 20 to 65 parts of lubricating oil at a temperature of 400° to 475° F. to complete the cooking and form



a high temperature structure stable lubricating grease.

2,576,034

CATALYTIC DEHYDROGENATION OF PARAFFINS

John W. Myers, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application February 28, 1949, Serial No. 78,891
8 Claims. (Cl. 260—683.3)

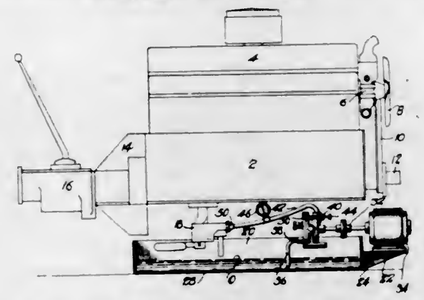
1. A process for the dehydrogenation of an aliphatic paraffin hydrocarbon which comprises contacting said hydrocarbon diluted with from 1 to 30 volumes of steam per volume of hydrocarbon under dehydrogenating conditions, including a temperature within the range of 1000° F. to 1400° F. with a catalyst consisting essentially of alumina in the range of 10 to 45 weight per cent of the catalyst and the balance of at least one oxide selected from the group consisting of molybdenum oxide, tungsten oxide, and vanadium oxide.

2,576,035

MACHINE FOR CHECKING OILING SYSTEMS OF AUTOMOBILE TRUCK AND TRACTOR ENGINES

Charles E. Newman, Oskaloosa, Iowa

Application November 12, 1947, Serial No. 785,260
5 Claims. (Cl. 73—37)



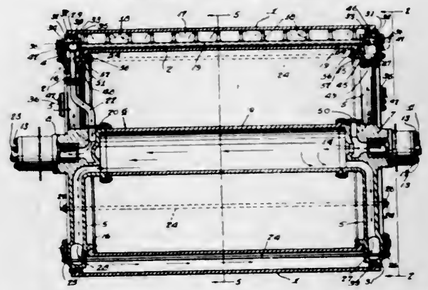
1. A device as described for checking the oiling system of an internal combustion engine having a pump for said system; comprising a pan located below and spaced from the engine and said pan adapted to contain a quantity of oil, a strap extending across the pan internally thereof, a pump mounted on the strap and having an intake tube in the oil, and an outlet tube for the pump connected with the pump for the oil system of the engine.

2,576,036

YANKEE DRIER

Harry M. Ostertag, Drexel Hill, and John H. Masshard, Chester, Pa., assignors to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania

Original application September 21, 1944, Serial No. 555,146. Divided and this application November 30, 1945, Serial No. 631,886
11 Claims. (Cl. 257—95)



1. A drier of the rotary cylinder type comprising a cylindrical shell forming the peripheral surface of the drier, means for admitting pressure steam to the interior of the shell, and exhaust conduit means for said steam including a multiplicity of exhaust ports distributed over substantially the entire inner surface of said shell, said ports being directed radially toward and in immediate proximity to the inner surface of said shell so that the steam in passing to said ports will flow at high velocity over and in contact with said surface.

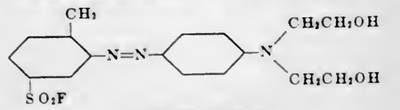
2,576,037

SULFONYL FLUORIDES OF AMINO AZO DYESTUFFS

Robert Prescott Parker, Somerville, and Corris Mabelle Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 25, 1947, Serial No. 770,546
6 Claims. (Cl. 260—205)

4. The azo dyestuff having the formula:



2,576,038

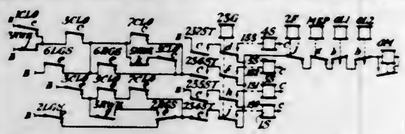
CENTRALIZED TRAFFIC CONTROL SYSTEM FOR THE CODE CONTROL OF INTERLOCKED SWITCHES AND SIGNALS

Frank T. Pascoe, Carnegie, and Arthur L. Jerome, Edgewood, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application November 9, 1946, Serial No. 708,920
14 Claims. (Cl. 246—3)

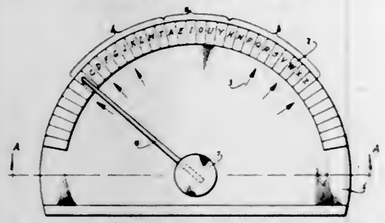
1. In combination with a track switch and a signal for governing traffic movements over the switch, switch and signal levers at a remote control office, a switch control relay for operating the switch, a signal control relay for controlling the signal, a code system for transmitting control

codes for operating the switch control relay in accordance with the position of the switch lever at said control office and for transmitting other codes for operating the signal control relay in accordance with the position of the signal lever at said office, switch indication means at the office for indicating the position of the track switch, a code lockout relay controlled by said indication means and said switch lever, means for actuating said code lockout relay when the transmission of a code by said code system for clearing



said signal is manually initiated provided the position of the switch indicated by said switch indication means does not correspond with the position of the switch lever, means controlled by the code lockout relay when actuated for causing said code system to transmit a code for operating the switch to the position designated by the switch lever and for storing said initiated signal clearing code for transmission following restoration of said code lockout relay to normal and means for maintaining said code lockout relay actuated from the time said switch control code is initiated until said switch indication means is operated to indicate that the switch has assumed the position designated by said switch lever.

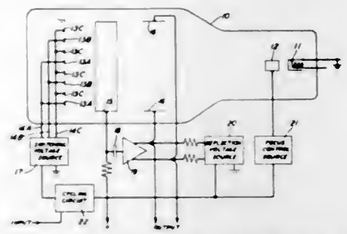
2,576,039
KEYBOARD FOR TYPEWRITERS
Stefan Piekarski, Mragowo, Poland
Application April 29, 1949, Serial No. 90,403
In Poland April 23, 1948
2 Claims. (Cl. 197—98)



1. A keyboard for typewriters including an arcuate series of keys, the central keys being identified as the vowels of the alphabet, keys at opposite sides of the central keys being identified as consonants of the alphabet arranged in the recitation order of the alphabet, an elongated rod, means for mounting the rod for swinging movement and movement axially of its mounting, said rod being of a length to extend over any one of the keys, and means for normally holding the rod spaced from the keys.

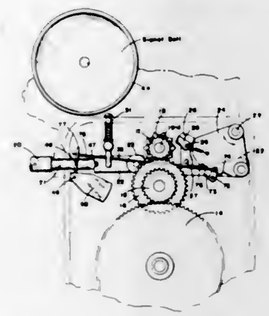
2,576,040
CATHODE-RAY DEVICE
John R. Pierce, Millburn, N. J., Claude E. Shannon, New York, N. Y., and John W. Tukey, Princeton, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 10, 1948, Serial No. 14,014
14 Claims. (Cl. 315—21)

1. Electron discharge apparatus comprising a plurality of targets arranged in a row, means opposite said targets for projecting an electron beam thereto, means for deflecting said beam along the row of targets, and means for resolving voltages applied to said deflecting means into respective potentials of preassigned amplitude at said deflecting means, said resolving means comprising means connecting said targets in inter-



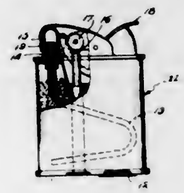
leaved groups of different and respective number related in accordance with a prescribed number system, means connected to said deflecting means for applying to said deflecting means groups of voltage increments of amplitudes related in accordance with said number system and a feedback coupling between said targets and said deflecting means.

2,576,041
ALIGNMENT DEVICE FOR MEASURING WHEELS
William A. Pitts, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 7, 1948, Serial No. 37,422
3 Claims. (Cl. 101—99)



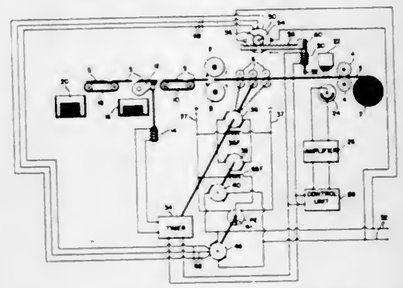
1. In a registering counter mechanism, including a housing, a shaft in said housing, a series of registering counter elements mounted rotatably on said shaft, each element provided with a uniform number of uniformly spaced circumferential registering indicia, gear means fixedly engaging said shaft and the first counter element in said series of elements, for rotating said shaft and said first element, and manually operated trigger mechanism mounted in said housing having a reciprocal outward and inward operating stroke with reference to said housing, and gear means driven through said first element for serially rotating the remaining counter elements in said series, the improvement which comprises primary means for aligning said counter elements and for fixing the aligned position of the first element in said series including a star wheel fixedly mounted on said shaft and rotatable therewith, said wheel having a plurality of uniformly spaced, substantially triangular, circumferential tooth portions coincident in number and disposition to the number and disposition of the recording indicia on each of said counter elements, an indexing pawl, having an upper end and a lower end, pivotally mounted by said lower end in said housing for limited reciprocal movement arcuately toward and away from said star wheel in substantially the same plane therewith, a tooth portion on the upper end of said pawl extending therefrom toward the star wheel, said portion having substantially the same conformation as the star wheel tooth portion and adapted to mesh therewith, a lug member, having an upper and a lower end, pivotally mounted by said lower end laterally of said pawl and intermediate its ends, a tooth portion on the upper end of said member extending toward the star wheel beyond and arcuately below said pawl tooth portion, said lug tooth portion substantially conforming to the size and shape of a star wheel tooth portion and also adapted to mesh therewith, leading said pawl tooth portion into such a relationship, said lug member pivoted on said pawl for arcuate movement in engaging a star wheel tooth portion to bring the lug tooth portion into substantial coincidence with the pawl tooth portion when meshed with said star wheel, cam means pivotally supported in said housing in substantially the same plane with said star wheel and pawl and rearwardly of said pawl, said cam means pivotally engaging said trigger mechanism and arcuately movable thereby during the outward and inward strokes thereof to move and force said pawl and lug member into meshed engagement with said star wheel by rotation of the wheel during the outward stroke of said mechanism, spring retainer means connecting said pawl and cam means holding said pawl in substantially constant rearward contact with said cam, locking means for said cam means engageable therewith during the outward stroke of said trigger mechanism, holding said cam means against reverse movement prior to completion of the said stroke, and secondary means for aligning and fixing the aligned position of said counter elements mounted in said housing engageable with said gear means for serially rotating the remaining counter elements in said series of elements.

2,576,042
CIGARETTE LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application December 27, 1948, Serial No. 67,396
1 Claim. (Cl. 67—7.1)



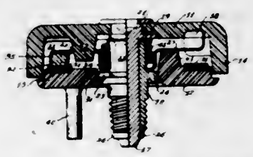
A cigarette lighter including in combination flint and wheel igniting mechanism and a flame snuffer operated by said igniting mechanism, a fuel reservoir, a fluid which is vaporizable at room temperature in said reservoir, said reservoir having a wick opening under said snuffer, a bushing in said opening upon the top peripheral surface of which said snuffer seats in closed position, a fibrous wick in said reservoir passing through said bushing to the outside of said reservoir and a metal tube surrounding said wick and extending from the inside of said reservoir between the outside of the wick and the inside of said bushing to a point above the top surface of the bushing, said tube supporting and confining the exposed end of the wick and having vapor passages extending lengthwise thereof, said passages permitting passage of vapor from the interior of the reservoir and thus equalizing the pressure inside and out of the reservoir.

2,576,043
APPARATUS FOR DETECTING AND MARKING PIN HOLES
George H. Rendel, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application May 19, 1950, Serial No. 162,933
6 Claims. (Cl. 346—33)



1. Apparatus for detecting and marking a pin hole in a moving strip comprising means adjacent the path of travel of said strip for generating a voltage impulse when a pin hole occurs in the strip, a control actuated by said voltage impulse, a strip marker spaced from said means and actuated by said control, means mounting said marker for movement to and away from said first named means, and means for moving said last named means to and away from said first named means as the speed of the strip varies.

2,576,044
RHEOSTAT
Samuel L. Richman, White Plains, and Arthur Fitchman, Yonkers, N. Y., assignors to Sonotone Corporation, Elmsford, N. Y., a corporation of New York
Application March 2, 1949, Serial No. 79,194
3 Claims. (Cl. 201—55)



1. In a rheostat device: a contact actuating wall structure having an integral central metallic junction member and a rheostat wall structure having an integral central metallic junction member; said two wall structures having in-

wardly facing surfaces and interfitting circular border portions surrounding said inwardly facing surfaces and confining between them a shallow generally circular interior space; one of said junction members being rotatably seated in a coaxial seating opening of the other of said two junction members and extending beyond the opposite ends of said other of said junction members and forming therewith a metallic junction structure rotatably joining said two wall structures; the junction member of said rheostat wall structure having a central inwardly facing circular guide surface and said rheostat wall structure having a relatively fixed inwardly facing resistance element generally concentric with said junction structure; a rotatable electrically-conducting contactor structure having a central flat circular collar element surrounding said junction structure and engaging said circular guide surface and a resilient contact arm structure extending from said collar and including a contact element resiliently urged by said arm structure into sliding contact engagement with different peripheral portions of said resistance element; said contact structure having a retainer arm extending from said collar diametrically opposite from said contact arm element into interlocking engagement with a recessed portion of said actuating wall for rotation therewith; and an independent spring structure encircling said junction member and held compressed between an inwardly facing surface of the junction member of said actuating wall structure and the facing circular surface of said collar compressing said collar into frictional contact engagement with said circular guide surface of the junction member of said rheostat wall structure for controlling the frictional forces resisting rotary motion of one wall structure relative to the other wall structure without substantially modifying the resilient forces exerted by said contact arm structure on said resistance element.

2,576,045

INSULATED ELECTRICAL CONDUCTOR

Preston Robinson, Williamstown, and Paul H. Netherwood, North Adams, Mass., assignors to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts

Application July 3, 1948, Serial No. 36,897
6 Claims. (Cl. 175—41)



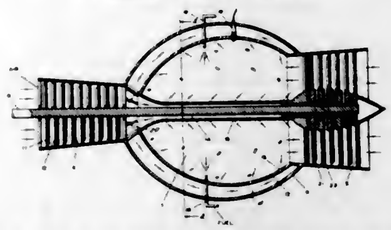
1. An electric circuit component having a casing and an electrically conductive terminal lead projecting out through said casing for connection in a circuit, said lead having an external metal surface which is predominantly at least one metal of the class consisting of copper, tin, zinc, lead and aluminum; an in situ formed adherent film of hydroxide on said metal surface, said filmed surface being permanently sealed to said casing by a heat and pressure molded non-conductive reaction mixture of a polymerizable thermosetting resin selected from the class consisting of phenol-formaldehyde resins, phenol-furfural resins, aniline-formaldehyde resins, diphenylamine-formaldehyde resins, resorcinol-formaldehyde resins and urea-formaldehyde resins, modified with from about 1% to about 25% of a second resin selected from the class consisting of polyvinyl formals, polyurethanes, polyesters and polyamides.

2,576,046

DOUBLE-WALLED ANNULAR COMBUSTION CHAMBER WITH TURBINE SHAFT AIR JACKET

Virgil Scarth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 29, 1946, Serial No. 665,813
2 Claims. (Cl. 60—39.65)



2. A jet-propulsion power plant comprising in combination, a combustion chamber having an egg-shaped air-jacketed shell axially surrounding an air-jacketed shaft, the outer wall of said shell converging at one end to unite with a compressor shell enclosing a turbine type air compressor on said shaft and at the other end to unite with a turbine shell enclosing a multi-stage power turbine on said shaft; an outwardly flared section on the compressor end of the jacket surrounding said shaft providing for compression of air into said jacket; passageways in said flared section in communication between the shell jacket and the shaft jacket; openings in the inner wall of said shell jacket directed tangentially to said shaft and toward the power turbine, said openings being disposed around and along said wall so as to direct gas in a helical path around the shaft jacket toward said turbine; openings into said combustion chamber through said shaft jacket disposed along and around the jacket and directed tangentially thereto and toward the power turbine so as to cooperate with aforesaid openings in effecting helical gas flow; and conduits extending through the chamber jacket for injecting fuel into the combustion chamber.

2,576,047

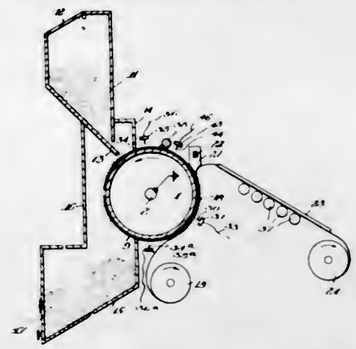
METHOD AND APPARATUS FOR PRINTING ELECTRICALLY

Roland M. Schaffert, Columbus, Ohio, assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware

Application October 21, 1948, Serial No. 55,816
6 Claims. (Cl. 101—426)

1. The method of printing which consists in rotating a drum having an electrically charged image layer of electrically insulating or nonconducting material on an electrically grounded conducting surface, flowing a developer powder with a charge of polarity opposite to that of the charge on the image layer over the image layer on one portion of the drum whereby said powder will adhere to the charged image layer and form a powder image, feeding a sheet of transfer material parallel to and in a path adjacent to a portion of the periphery of the drum carrying the powder image, and spraying an electrostatic charge from the side of the transfer material away from the periphery of the drum, onto the transfer material, said electrostatic charge being of opposite polarity to that of the charge on the powder, said electrostatic charge causing electrostatic action to hold said transfer material against said powder

image and at the same time effect a transfer of the powder image from the image layer on the drum to the transfer material, stripping the trans-



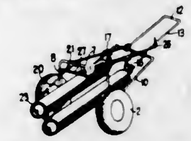
fer material from the image layer and recharging the image layer from which the powder has been attracted.

2,576,048

TRUCK FOR HANDLING CYLINDERS OF COMPRESSED GAS OR THE LIKE

Ralph C. Schum, Ironton, Ohio, assignor of one-half to Allison Parsons, Ironton, Ohio

Application August 18, 1949, Serial No. 110,954
18 Claims. (Cl. 214—65.4)



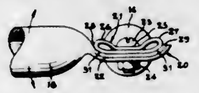
1. A truck for handling bottles for compressed gas or the like having a neck thereon, comprising a frame supported by wheels, said frame including an upstanding portion pivoted for movement about the wheel axes, a rearwardly extending frame portion having a depending yoke spaced rearwardly from the wheel axes and adapted to engage the neck of a bottle, and a lever hook pivoted for free vertical swinging movement to the upstanding frame portion above the wheel axes and having a hook at its forward end, the free vertical movement of the lever permitting it to slide along the side surface of the bottle and to engage the bottom thereof upon forward swinging of said upstanding frame portion after said yoke is engaged with the bottle.

2,576,049

JOINT FOR TUBULAR FURNITURE FRAMES

Allen T. Shott, Cincinnati, Ohio, assignor to Balcrank, Inc., Cincinnati, Ohio, a corporation of Ohio

Application October 13, 1949, Serial No. 121,130
5 Claims. (Cl. 287—54)



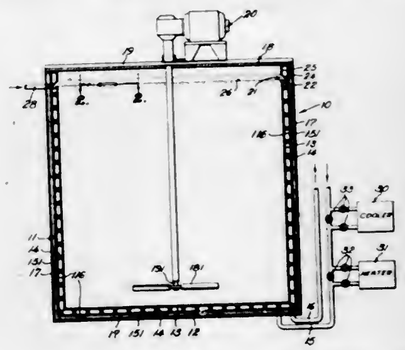
1. A joint for two angularly disposed adjoining tubular sections comprising; a tab formed on each of said sections, one of said tabs being dish-shaped longitudinally only and the other of said tabs being dish-shaped in cross section only and residing in nested relationship with said longitudinally dish-shaped tab, and means for detachably holding said tabs together in nested relationship.

2,576,050

MILK TEMPERATURE CONDITIONING VESSEL

Merle A. Soden, Anaheim, Calif.

Application February 24, 1948, Serial No. 10,512
7 Claims. (Cl. 257—190)



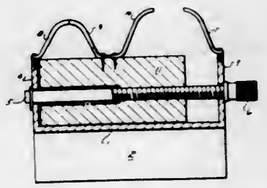
2. A milk temperature conditioning vessel having an upwardly extending circular cross section side wall comprising a smooth inside sheet metal liner, means at the outside of said liner for passing cooling fluid in heat transferring relation therewith, a substantially annular trough at the top of the vessel and from which milk overflows and is filmed onto the full circular extent of said liner for downward flow in heat transferring relation therewith above a body of the milk collecting in the bottom of the vessel, an inlet positioned to deliver milk tangentially into the trough, the interior of the trough being openly accessible from the inside to permit thorough cleaning, and means for agitating said body of milk.

2,576,051

JEWELER'S VISE

Arvid C. Stoddard, Garden City, Mich.

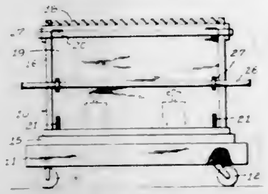
Application November 7, 1945, Serial No. 627,124
1 Claim. (Cl. 81—6)



A vise comprising a base plate having vertically downturned longitudinally extending side flanges defining supporting legs, and vertically upturned end flanges with central aligned transverse apertures therein, a manually rotatable screw rotatably supported through said apertures, a rectangularly shaped block slidably mounted upon said plate and having a threaded opening to threadably engage said screw, an upwardly and angularly extending jaw secured at its lower end

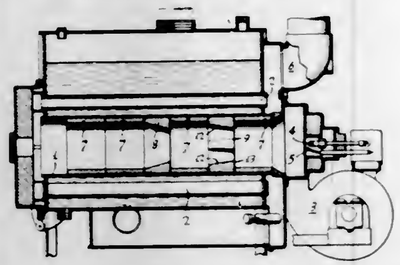
upon the top edge of one of said end flanges, with its upper end being vertically notched and curved inwardly parallel to said plate, and an upwardly and angularly extending movable jaw support mounted upon said block with its end portion being vertically notched and curved outwardly parallel to said plate for registry with said stationary jaw.

2,576,052
PORTABLE COMMUNION CABINET
Joseph H. Sweeney, Springfield, Tenn.
Application March 10, 1947, Serial No. 733,574
2 Claims. (Cl. 312—33)



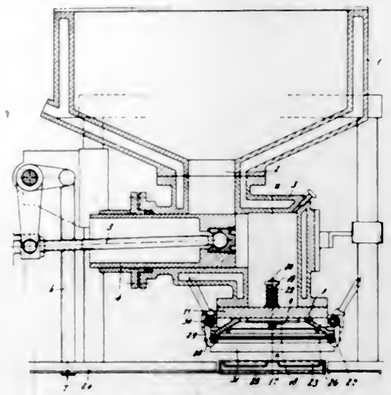
1. In a portable altar, a wheeled base, a cabinet supported on said base and having a bottom portion, posts rising from the corners of said bottom portion, a ceiling mounted on the upper ends of said posts, a hollow ornamental crown supported on said ceiling and forming a closed chamber between the crown and ceiling, a panel closing the space between the posts at each end of said cabinet, vertically movable panels normally closing the spaces between the posts at the front and rear sides of said cabinet, and means housed within said chamber and operatively associated with said vertically movable panels for raising the same to expose and give access to the contents of the interior of the cabinet.

2,576,053
FURNACE BAFFLE CONSTRUCTION AND ARRANGEMENT
James E. J. Toner, Bethlehem, Pa., assignor to Bethlehem Foundry and Machine Company, Bethlehem, Pa., a corporation of Pennsylvania
Application July 1, 1949, Serial No. 102,518
18 Claims. (Cl. 110—97)



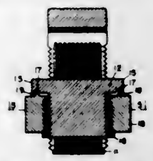
1. As an article of manufacture, a baffle comprising a generally annular member having a tapered internal opening therethrough of irregular configuration defined by alternately disposed recesses and ribs extending axially of the member and arranged in uniformly spaced relation around said opening, said recesses being tapered in the direction of taper of the opening through the member and said ribs being tapered in the opposite direction.

2,576,054
MACHINE FOR FILLING MOLDS WITH LIQUID CHOCOLATE
Samuel Everhardus Vingerling, Rotterdam, Netherlands, assignor to Vingerling's Machinefabriek N. V., Rotterdam, Netherlands, a corporation of the Netherlands
Application December 22, 1948, Serial No. 66,732
3 Claims. (Cl. 107—28)



1. A machine for filling molds with liquid chocolate and the like comprising a container for the material, said container having a discharge opening therein, a distributing device connected with said discharge opening, a hollow mouth piece in open communication with said distributing device, a replaceable spout plate closing the open end of said mouth piece, guide means for said distributing device, said guide means comprising a common valve seat plate secured to the discharge end of said distributing device and interposed therebetween and said hollow mouth piece, a plurality of valves spaced from one another and adapted for seating on said common seat plate, separate spring means biasing each said valve to closed position, each said valve being adapted to be lifted from a seated position on said seat plate against the biasing spring action by spout pressure, said spout plate being arranged beneath all said valves.

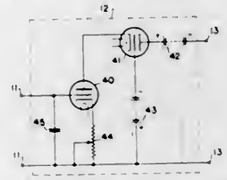
2,576,055
WIRE CONNECTOR
Carroll H. Walsh, Pine Bluff, Ark.
Application February 23, 1950, Serial No. 145,653
5 Claims. (Cl. 24—125)



5. In a wire connector of the split-bolt type, a nut threaded exteriorly over the slot of said bolt, a spacer rotatably mounted on said nut for movement along said slot with said nut, said spacer having outwardly extending portions extended over the upper surface of said nut, mutually engageable sloping surfaces formed respectively along the lower surfaces of said outwardly extending portions and along the upper surface of said nut, said nut cooperating with said spacer

to urge said spacer laterally through engagement of the respective sloping surfaces when said spacer is restrained from endwise movement along said slot, and mutually engageable sloped surfaces formed respectively along the inner surface of said slot and the adjacent surface of said spacer, said last-named surfaces engaging in pressure relationship in response to the lateral movement of said spacer.

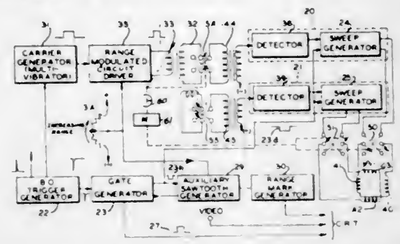
2,576,056
ANALYZING APPARATUS
William H. Wannamaker, Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application August 19, 1947, Serial No. 769,555, which is a division of application Serial No. 585,125, March 27, 1945. Divided and this application August 11, 1948, Serial No. 43,742
4 Claims. (Cl. 323—4)



1. Apparatus for producing through an impedance an electrical current flow of substantially constant magnitude irrespective of the magnitude, over a wide range of variation, of said impedance, comprising first and second electronic valves, each of said valves having an output circuit and a control circuit, a pair of energizing terminals adapted to be connected to a source of anode supply voltage, a pair of output terminals adapted to be connected across said impedance, conductor means connecting said energizing terminals, said output terminals, and the output circuits of said valves in a closed series circuit and operative to permit current flow through said impedance from said source under the control of the conductivities of the output circuits of said valves, self bias means for one of said valves, conductor means adapted to connect a source of control voltage and said self bias means in a series circuit including the control circuit of said one of said valves, and conductor means adapted to connect bias means in the control circuit of the other of said valves, the last mentioned bias means including said self bias means and the output circuit of said one of said valves connected in series.

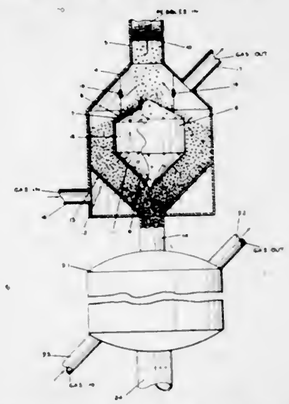
2,576,057
PLAN POSITION INDICATOR CIRCUIT
Clayton A. Washburn, Westwood, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 27, 1945, Serial No. 618,976
11 Claims. (Cl. 343—11)

6. Apparatus for producing polar scanning of a cathode ray tube having magnetic deflection coils, said apparatus comprising, a rotatable antenna, a two-phase rotary transformer having a movable coil rotatable in synchronism with said antenna and a pair of secondary coils in spaced quadrature, a generator connected to said movable coil for inducing energy in quadrature phase in said secondary coils, a pair of detector circuits coupled to said secondaries for obtaining a pair of voltages proportional to the position of said antenna, means coupled to said detectors for generating sawtooth voltage signals, and means



coupling said last-mentioned means to the deflection coils of said cathode ray tube and including switching means for periodically reversing the polarity of said deflection coils.

2,576,058
PROCESS AND APPARATUS FOR HEAT EXCHANGE EMPLOYING GRANULAR PARTICLES
Louis J. Weber, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 12, 1946, Serial No. 689,979
10 Claims. (Cl. 257—255)



1. Apparatus for effecting heat-exchange between a gravitating mass of refractory pebbles and a stream of gas under substantially uniform contact conditions, which comprises a closed upright vessel having an axial pebble inlet in the top thereof and a hopper-shaped perforate false bottom converging to an axial pebble outlet extending through the bottom of said vessel, said false bottom forming an annular gas chamber with the lower end section of said vessel; an inlet in said lower end section communicating with said gas chamber; a gas outlet in the top section of said vessel; and a baffle chamber having upright impervious walls, a perforate top, and a perforate bottom similar in shape to the bottom of said vessel, said baffle chamber being disposed axially in spaced apart relation to the inner walls of said vessel so as to provide an annular pebble space surrounding the walls and bottom of said chamber.

8. A process for effecting heat-exchange between a gravitating compact mass of particulate solid refractory material and a gas under sub-

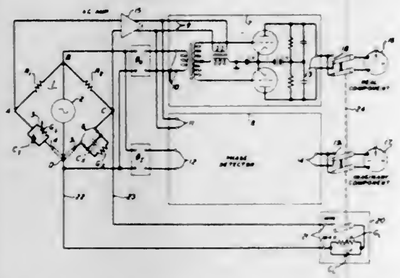
stantially uniform contact conditions of time and flow, which comprises gravitating a compact mass of said material to the upper end of a heat-exchange zone completely surrounding an inner confined gas collection and distribution zone; gravitating said material over the top and sides of said inner zone and through an annulus of uniform thickness from outer to inner boundaries converging downwardly and inwardly to a common outlet stream; simultaneously passing a gas upwardly and inwardly through said annulus in direct contact with said material under heat-exchange conditions therewith so as to change the temperature of said gas and said material; passing said gas upwardly through and out the top of said inner zone and in direct heat-exchange with said material above said inner zone; and removing said gas from a section of said heat-exchange zone at a higher level than the top of said inner zone.

2,576,059

LIMIT BRIDGE DETECTOR

Bogumil M. Wojciechowski, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1947, Serial No. 782,860
7 Claims. (Cl. 175—183)



1. A system adapted for production testing of complex circuit elements comprising in combination, an alternating current bridge having input and output terminals, said bridge also having a standard arm and an arm including test terminals for connecting a complex circuit element to be tested, a source of alternating current connected to the bridge input terminals, two phase-sensitive bridge balance detectors each having at least one pair of output terminals and two pairs of input terminals, two zero-center-reading indicators, one for connection to one pair of detector output terminals and the other for connection to the other pair of detector output terminals, a reversing switch for each indicator connecting it to the output terminals of its phase detector, circuits connecting one pair of input terminals of each detector to the bridge output terminals, another circuit including phase adjusting means connecting the two pairs of remaining detector input terminals to said source, said phase adjusting means being so constructed and arranged as to supply a voltage to one pair of said terminals substantially in phase with the real component of the bridge output voltage and substantially 90 electrical degrees out of phase with respect to that supplied to said other pair of terminals, an adjustable range limit complex circuit element connected in at least one arm of the bridge, and a switch connected to said adjustable element for changing the magnitude of its components between two predetermined limits.

2,576,060

RADIO-FREQUENCY CALORIMETER WATTMETER

James M. Wolf, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application August 8, 1945, Serial No. 609,666
13 Claims. (Cl. 171—95)



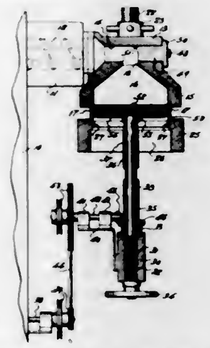
1. A radio frequency calorimeter wattmeter comprising a coaxial line section filled in part with dry semi-conductive sand having comparatively high attenuation to radio frequency energy, and a thermometer extending into the inner conductor of said line section for measuring the temperature of said sand.

2,576,061

CONVERTIBLE CONTINUOUS PRESS FOR PRODUCING LONG OR SHORT ALIMENTARY PASTE PRODUCTS

Conrad Ambrette, Brooklyn, N. Y.

Application November 21, 1946, Serial No. 711,344
4 Claims. (Cl. 107—14)



1. An alimentary paste production apparatus comprising means to continuously issue a stream of paste under pressure into a discharge head, outlets from said head, removable plugs selectively applicable to said outlets whereby one of said outlets for feeding paste to a long paste producing means may be closed to direct said paste through a second one of said outlets, a removable short paste producing die mounted on the discharge head in communication with said second outlet, and manipulatable means dependent from the discharge head for removably holding said die or the closure plug for the second one of said outlets, as the case may be, in assembled relation.

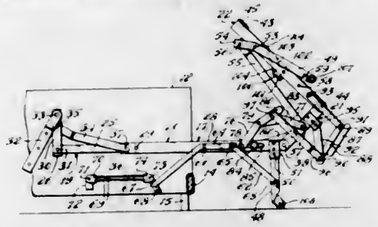
2,576,062

LOVE SEAT BED

Peter P. Bebry, Jamaica, N. Y., assignor to Bebry Bedding Corporation, Bayonne, N. J., a corporation of New York

Application November 8, 1949, Serial No. 126,178
4 Claims. (Cl. 5—13)

1. In an article of furniture of the character described, a furniture frame, a foldable seat and bed forming frame composed of an inner section, an intermediate body section, a connecting section and an outer end section, upwardly extending arms pivotally connected to the opposite sides of said inner section and pivotally connected at their upper ends to the furniture frame, means pivotally connecting said sections together in end to end relation for movement thereof from a collapsed folded condition within the furniture frame to an extended condition in which the sections are arranged in longitudinal alignment, legs pivotally connected to the opposite sides of said intermediate body section and to the opposite sides of said outer end section adjacent the outer ends thereof, link members pivotally connected to the legs of the outer end section and to said connecting section for swinging movement of said legs into alignment with said outer end section upon movement of said sections to folded relation, a link member bridging the pivotal connection between said intermediate body and connecting sections at each side



thereof and each link having a pivotal connection at one end with one of said sections and a pin and slot connection with the other section for limiting the collapsing movement of the connecting section to right angular relation with the intermediate body section, a pair of pivotally connected links at each side of said foldable frame, one of the links of each pair being pivotally connected to the connecting section and the other link of each pair being pivotally connected to the intermediate body section, said last mentioned link of each pair having a notch in its outer end, and latch elements pivotally connected to the outer end section and adapted to engage in said notches when the sections are disposed in collapsed folded condition within the furniture frame with the connecting section arranged in right angular relation with the intermediate body section and the outer end section disposed in overlying relation with the intermediate body section for supporting a seat cushion.

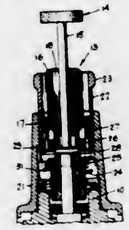
2,576,063

HAND POWER TOOL

Joseph Berta, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application May 12, 1949, Serial No. 92,825
6 Claims. (Cl. 279—51)

6. In a power hand tool having a multi-part, rotatable chuck, and having a casing carrying a two-part ferrule comprising a stationary outer sleeve-like part threaded on the casing and a movable telescoping inner sleeve-like part, one of said parts being provided with lugs which extend into recesses in the other part whereby said inner part is normally captive in the outer part and axially movable from a retracted chuck-exposing position wherein it locks one chuck part against turning to an extended chuck-encircling position wherein it permits free turning of the chuck, said inner ferrule part and one chuck part having cooperable clutch teeth, the improvement which comprises: the other of said ferrule parts having longitudinally-extended lug-clearance grooves which extend from the front end of the part past the recesses of said part and connect with said recesses whereby both ferrule parts may be assembled to each other by first inserting the inner part through the front end of the outer part and then turning the inner part and thereafter moving the same outward a predetermined distance to cause the said recesses to be occupied



by said lugs; and stop means for limiting inward movement of the inner ferrule part to prevent return of said lugs to the grooves and disassembly of the ferrule, said stop means being operative when the outer ferrule part is fully threaded on the casing, and comprising the cooperable toothed portions of the inner ferrule part and one chuck part.

2,576,064

PRODUCTION OF 3-FLUOROSALICYLALDEHYDE

Edgar C. Britton and James D. Head, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application December 23, 1949, Serial No. 134,836
1 Claim. (Cl. 260—600)

A method of producing 3-fluorosalicylaldehyde that comprises (1) diazotizing 5-chloro-o-anisidine and converting the resulting diazotized material to 4-chloro-2-fluoro-anisole by (A) forming the diazonium fluoborate by the action of fluoboric acid and (B) thermally decomposing the diazonium fluoborate; (2) hydrolyzing the 4-chloro-2-fluoro-anisole to produce 4-chloro-2-fluorophenol; (3) converting the 4-chloro-2-fluorophenol to 4-chloro-6-fluoro-alpha-dimethylamino-o-cresol by the action thereon of formaldehyde and dimethylamine; (4) converting the 4-chloro-6-fluoro-alpha-dimethylamino-o-cresol to 5-chloro-3-fluorosaligenin diacetate by the action of acetic acid; (5) dechlorinating the 5-chloro-3-fluoro-saligenin diacetate to 3-fluoro-o-cresol acetate by the action of hydrogen in the presence of a palladium catalyst; (6) converting the 3-fluoro-o-cresol acetate to di-(6-fluoro-o-tolyl-) carbonate; (7) chlorinating the di-(6-fluoro-o-tolyl-) carbonate to produce di-(6-fluoro-alpha,alpha-dichloro-o-tolyl-) carbonate; and (8) hydrolyzing the di-(6-fluoro-alpha,alpha-dichloro-o-tolyl-) carbonate.

2,576,065

PREPARATION OF 3-FLUOROSALICYLALDEHYDE

Edgar C. Britton and James D. Head, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Original application December 23, 1949, Serial No. 134,836. Divided and this application January 19, 1951, Serial No. 206,926
1 Claim. (Cl. 260—600)

A method of producing 3-fluorosalicylaldehyde that comprises (1) diazotizing 5-chloro-o-anis-

idine and converting the resulting diazotized material to 4-chloro-2-fluoroanisole by (A) forming the diazonium fluoborate by the action of fluoboric acid and (B) thermally decomposing the diazonium fluoborate; (2) hydrolyzing the 4-chloro-2-fluoroanisole to produce 4-chloro-2-fluorophenol; (3) converting the 4-chloro-2-fluorophenol to 4-chloro-6-fluoro-alpha-dimethylamino-o-cresol by the action thereon of formaldehyde and dimethylamine; (4) converting the 4-chloro-6-fluoro-alpha-dimethylamino-o-cresol to 5-chloro-3-fluorosaligenin diacetate by the action of acetic acid; and (5) refluxing the 5-chloro-3-fluorosaligenin diacetate with methanol in the presence of benzene sulfonic acid to produce 5-chloro-3-fluorosaligenin; (6) dechlorinating the 5-chloro-3-fluorosaligenin to 3-fluorosaligenin by the action of hydrogen in the presence of a palladium catalyst; and (7) oxidizing the 3-fluorosaligenin to 3-fluoro-salicylaldehyde by the action of an aromatic aldehyde in the presence of an aluminum alkoxide.

2,576,066

PROTEIN PURIFICATION PROCESS AND PROTEINACEOUS PRODUCT

Archie Lee Caldwell, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 11, 1948, Serial No. 43,781
6 Claims. (Cl. 195—29)

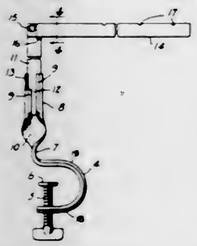
1. In the process for the preparation of a dietary supplement from a crude protein material containing choline and like impurities, the steps which comprise digesting said protein source with a proteolytic enzyme under conditions of low-grade enzyme activity, terminating the digestion when substantially all the choline and not more than about 10 percent of the protein has been rendered soluble, and washing the digested protein with water and a fat solvent.

2,576,067

FOLDABLE GARMENT SUPPORT FOR IRONING BOARDS

Clara L. Chandler, Cleveland, Ohio, assignor of one-half to Frank Levstek, Cleveland, Ohio

Application June 15, 1950, Serial No. 168,203
3 Claims. (Cl. 211—86)



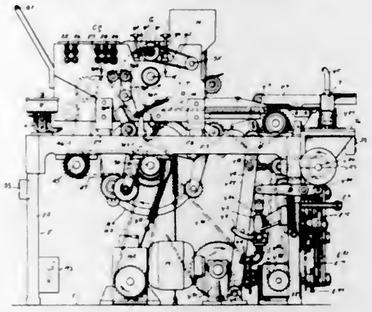
1. A detachable and foldable garment support for use on ironing boards or the like comprising a supporting and attaching member in the form of a C-clamp having an integral standard provided with an upwardly opening substantially rectangular socket, and a foldable rack comprising two flat straps disposed face to face and a pivot connecting said straps, one of said straps having a lug in the path of an edge of the other strap for positioning said straps at right angles to one another, one of said straps forming a post and having its end portion remote from the pivot formed to fit in said socket and being provided with shoulders engageable with the standard, the other of said straps forming a hanger supporting bar and being provided with longitudinally spaced hanger receiving notches.

2,576,068

MACHINE FOR MAKING COTTON TIPPED APPLICATORS

William Ganz, Teaneck, N. J., assignor to Johnson & Johnson, a corporation of New Jersey

Application November 17, 1947, Serial No. 786,434
16 Claims. (Cl. 19—149)



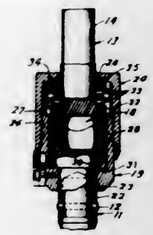
9. A machine for wrapping a piece of cotton on the end of a stick, comprising a pair of co-operating stick twirling rolls, said rolls having stick engaging and twirling portions and cotton engaging and wrapping portions, means operative to insert a stick and a piece of cotton into the bight of said rolls, and means to revolve said rolls in the same direction thereby to effect twirling of the stick by said first named portion of the rolls and a wrapping of the cotton thereon by said second named portions of said rolls.

2,576,069

TORQUE-LIMITING WRENCH

Wilton Folsom Hoag and Clarence F. Carlson, Batavia, Ill.

Application December 4, 1947, Serial No. 789,590
8 Claims. (Cl. 84—29)



1. In a device of the type described, a driving member, a driven member in axial alignment with said driving member, an outer barrel, an inner barrel threaded into said outer barrel thereby forming a barrel assembly, means to lock said barrels together to prevent rotation of one with respect to the other, one of said members being journaled in the end of said outer barrel, the other of said members being journaled in the end of said inner barrel, the ends of said members within said barrel assembly being formed with annular, cam-type clutch facings, said facings having a harmonic curved configuration and adapted to mate with each other, a first of said members being restrained from outward axial movement with respect to said barrel assembly, the second of said members being free to move axially with respect to said barrel assembly, a plurality of Belleville springs stacked about said second member and urging said second member into engagement with said first member, and means concentric with said members adjacent said clutch facings, said means having sufficient rigidity to maintain the axial alignment of said facings, at least one of said members being rotatable with respect to said means.

2,576,070

PACKAGE FOR A BELT

Viola Tillinghast Howard, Saylesville, R. I., assignor to Swank, Inc., a corporation of Delaware

Application May 13, 1948, Serial No. 26,729
2 Claims. (Cl. 206—7)



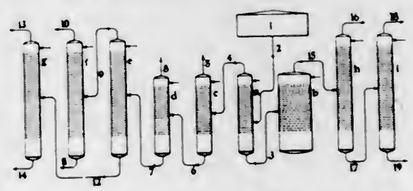
1. A belt package comprising a flat base with an arched strip of material extending from one end of the base to the other, said base and strip having a thickened edge projecting inwardly to form a shoulder, a belt within said strip, a cardboard liner for said base, a side wall closure integrally hinged to said liner along an axis parallel to said base and of an extent along its hinge connection less than the length of said base so as to clear the junction of the base and strip at each end when swung to closed position, and of a size and shape along its periphery conforming to the shape of said arched strip and held in position by said shoulder, said side wall being notched at the edge opposite said hinge to receive the belt buckle therein and provide an opening for insertion of the finger to open the side wall.

2,576,071

AVIATION OR MOTOR FUELS

Donald Albert Howes, Thomas Tait, Patrick Docksey, Stanley Francis Birch, and William Arthur Partridge, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

Application January 29, 1948, Serial No. 4,974
In Great Britain February 24, 1941
6 Claims. (Cl. 44—69)



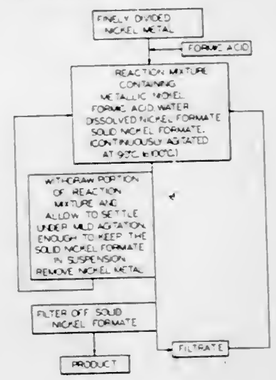
1. A process for the production of a blended high grade aviation or motor fuel having an engine performance number at least substantially equal to that of iso-octane blended with 1.25 c. c. T. E. L. fluid per U. S. gallon as a minimum standard of performance which comprises blending an isopentane fraction consisting of substantially pure isopentane, an "isohexane" fraction having a boiling range of 45–64° C., an "isoheptane" fraction having a boiling range of from 72° C. to about 92° C. together with a proportion of tetra ethyl lead fluid not exceeding 6 ccs. per imperial gallon, said fractions being present each in significant amount to produce a finished blend of the stated engine performance number and being derived from the distillation of a straight run petroleum distillate obtained from paraffinic crude and boiling in the aviation or motor spirit range under conditions of precision in fractionation including the use of not substantially less than 50 theoretical plates and a reflux ratio of not substantially less than 10:1, said isopentane fraction being added in such proportion not exceeding 20% by volume of the finished blend as is necessary to ensure the required volatility of the blend, said "isohexane" fraction being added in a proportion not exceeding 25% by volume of the finished blend up to the limit of vapour to liquid ratio under which vapour lock is avoided and said "isoheptane" fraction being added in such proportion as to constitute substantially the remainder of the blend.

2,576,072

MANUFACTURE OF NICKEL FORMATE

Irwin E. Johnson, Cleveland Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

Application September 13, 1950, Serial No. 184,565
4 Claims. (Cl. 260—439)



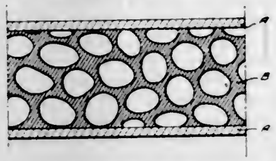
1. A process for producing nickel formate comprising establishing a reaction mixture wherein finely-divided nickel metal is brought into contact with formic acid at a temperature within a range from 90° C. to 110° C., continuing the reaction, with continuous agitation, until a substantial proportion of the nickel has reacted with the formic acid to produce a substantial quantity of nickel formate over and above the amount required to saturate the reaction mixture, whereby the reaction mixture contains a substantial proportion of solid nickel formate, subjecting at least a portion of the resulting reaction mixture to mechanical separation for removal therefrom of the unreacted nickel metal and separating solid nickel formate from the resulting slurry.

2,576,073

FABRICATED STRUCTURE COMPRISING POROUS COMPOSITIONS OF MATTER

Edward L. Kropa, Old Greenwich, Louis E. Craig, Stamford, and Arthur S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application January 19, 1946, Serial No. 642,392
2 Claims. (Cl. 154—128)



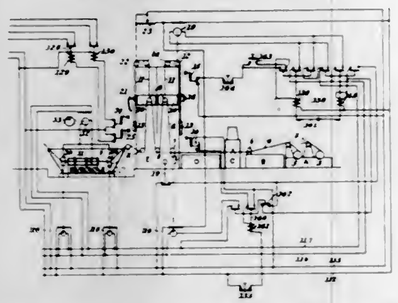
1. A process of making a fabricated structure having surface sheets and a resinous interlayer which comprises the steps of (1) mixing (*a*) ground, expanded, porous, low density, cellular, cured, water-insoluble resin obtained by polymerizing a homogeneous mixture including an unsaturated alkyd resin, a material selected from the group consisting of styrene and esters of allyl alcohol and a gas-liberating agent with (*b*) a polymerizable mixture including an unsaturated alkyd resin and a material selected from the group consisting of styrene and esters of allyl alcohol and (2) polymerizing the resultant mixture in situ between surface sheets impregnated with a polymerizable composition, both of said alkyd resins having been prepared by the esterification of an alpha, beta unsaturated dicarboxylic acid and a polyhydric alcohol.

2,576,074

METHOD AND APPARATUS FOR CONTINUOUS STRIP METAL TREATMENT

John S. Nachtman, Youngstown, Ohio

Continuation of application Serial No. 257,107, February 18, 1939. This application June 11, 1946, Serial No. 675,897
9 Claims. (Cl. 204—28)



1. In a method of continuously electroplating coiled discontinuous metallic strip with coating of metal, the steps of unreeling said discontinuous metallic strip from supply coils, joining the discontinuous strips end to end, conveying the joined strips uninterruptedly under tension through a loop variable in response to tension changes and then in a fixed path through an electroplating operation by applying propulsive power to the strip after said electroplating operation, automatically segregating the plated strip into discontinuous lengths and automatically recoiling said discontinuous lengths, establishing a predetermined tension in the strip by applying power to the strip between the unreeling coils and said variable loop, and automatically regulating the rate of unreeling strip by controlling the magnitude and direction of the tension-establishing power in response to variations in said variable loop due to tension changes.

2,576,075

INTERPOLYMERS OF UNSATURATED NITRILES

Marguerite Naps, Oakland, and Fred E. Condo, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 24, 1948, Serial No. 28,973
13 Claims. (Cl. 260—78.5)

1. A resin comprising an interpolymer of 65% methacrylonitrile, 20% of alpha-methyl styrene and 15% of methyl acrylate, said percentages being by weight of the total polymerizable components.

2,576,076

COPOLYMERS OF UNSATURATED NITRILES

Marguerite Naps, Oakland, and Fred E. Condo, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 3, 1948, Serial No. 37,064
8 Claims. (Cl. 260—85.5)

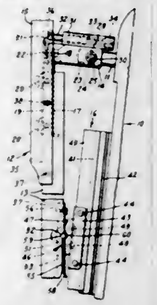
1. A copolymer comprising the product of polymerization of a mixture containing 70% by weight of methacrylonitrile and 30% by weight of alpha-methylstyrene, and no other polymerizable component.

2,576,077

WINDSHIELD WIPER

Walter P. Ozarowski, Devon, Conn.

Application May 18, 1948, Serial No. 27,802
6 Claims. (Cl. 15—253)



1. In a windshield wiper, a drive arm, a coupling part for connection to a driving mechanism, a rod rigid with and projecting from one end of said arm and pivotally mounted on said coupling for a back and forth pendulum-like swinging movement by the coupling as the latter is oscillated by a driving mechanism and for pivotal movement relative to said coupling in a plane substantially normal to the plane of such back and forth swinging movement, a flat spring means fixed to said arm and extending beyond the upper end of said rod and above the outer end of said coupling part, and a spring pressed plunger at the upper side of said coupling part and bearing on the inner side of the upper end

portion of said flat spring means above said coupling part for biasing said rod on said pivotal mounting and thereby biasing said drive arm for applying through said drive arm a pressure to a blade carried by the lower end portion thereof.

2,576,078

METHOD FOR THE PREPARATION OF 2-(2-CYCLOALKENYL) CYCLOALKANOLS

Earl L. Pelton, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application January 3, 1949, Serial No. 69,035
3 Claims. (Cl. 260—631)

1. The method which comprises heating a cycloalkanol and a cycloalkanone in approximately equimolar proportions under reflux at 160° to 190° C. in a reaction medium of an aqueous alkali metal hydroxide of at least 55 per cent concentration and having a boiling point of at least 160° C., until the condensation reaction, with liberation of water, is essentially complete, and separating the so-formed 2-(2-cycloalkenyl) cycloalkanol from the reaction mixture.

2,576,079

ALKYLAMINOALKYL ESTERS OF ARYL URETHANS

John S. Pierce, Richmond, Va., assignor to University of Richmond, Richmond, Va.

No Drawing. Application February 14, 1950, Serial No. 144,199
7 Claims. (Cl. 260—472)

1. As new compounds, aryl urethans of the structure

$$RNHCOOCH_2C(CH_3)_2NHR'$$

and acid salts thereof, where R is a member of the group consisting of phenyl and alpha-naphthyl and R' is an alkyl radical of from three to seven carbons.

2,576,080

PLANT GROWTH REGULATION

Nathaniel Tischler, Palmyra, N. J., and Ernest P. Bell, Grosse Ile, Mich., assignors to Sharples Chemicals Inc., a corporation of Delaware

No Drawing. Application March 11, 1949, Serial No. 81,026
14 Claims. (Cl. 71—2.5)

1. A method for inducing plant response effects in a plant comprising applying to the plant a compound containing a 3,6-endoxohydrophthalic acid radical having less than three double bonds in the endoxocarbocyclic ring and when the carbon atoms of said ring which are alpha with respect to carbonyl are saturated, having a hydrogen atom on at least one of said carbon atoms, said compound being selected from the group consisting of the acids per se, their anhydrides and their water-soluble acid and neutral salts.

2,576,081

PLANT GROWTH REGULATION

Nathaniel Tischler, Palmyra, N. J., and Ernest P. Bell, Detroit, Mich., assignors to Sharples Chemicals Inc., a corporation of Delaware

No Drawing. Application December 6, 1949, Serial No. 131,501
19 Claims. (Cl. 71—2.5)

1. A method for regulating the growth characteristics of a plant, comprising treating said plant with 3,6-endoxohexahydro-orthophthalic acid.

12. A composition prepared for use as a plant response agent comprising 3,6-endoxohexahydro-orthophthalic acid and a wetting agent.

2,576,082

PLANT GROWTH REGULATION

Nathaniel Tischler, Palmyra, N. J., and Ernest P. Bell, Detroit, Mich., assignors to Sharples Chemicals Inc., a corporation of Delaware

No Drawing. Application December 6, 1949, Serial No. 131,502
19 Claims. (Cl. 71—2.5)

1. A method for regulating the growth characteristics of a plant, comprising treating said plant with 3,6-endoxo-1,2,3,6-tetrahydro-orthophthalic acid.

12. A composition prepared for use as a plant response agent comprising 3,6-endoxo-1,2,3,6,-tetrahydro-orthophthalic acid and a wetting agent.

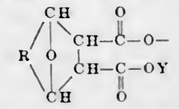
2,576,083

PLANT GROWTH REGULATION

Nathaniel Tischler, Palmyra, N. J., assignor to Sharples Chemicals Inc., a corporation of Delaware

No Drawing. Application May 10, 1950, Serial No. 161,255
19 Claims. (Cl. 71—2.4)

1. A plant response composition comprising a salt of a strong mineral acid with at least one of the group consisting of ammonia, alkyl amines, alkanol amines, and mixed alkylalkanol amines; and a compound which when in the presence of water yields anions having the configuration



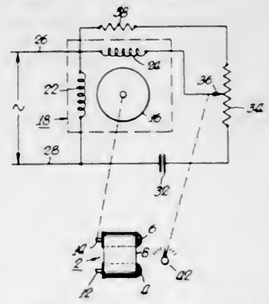
in which Y represents one of the group consisting of an unsatisfied valence and a cation, and in which R represents one of the vinylene radical and the ethylene radical.

2,576,084

SPEED CONTROL SYSTEM FOR CAPACITOR MOTORS

John H. Trevitt, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn.

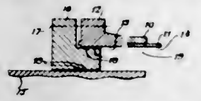
Application April 30, 1949, Serial No. 90,750
6 Claims. (Cl. 318—220)



1. In a dictating machine, a speed control arrangement comprising a two-phase induction motor having first and second field windings, a

source of alternating current, said first winding being connected across said source of alternating current, a circuit comprising a condenser and a resistive voltage divider network connected in series across said source of alternating current, circuit means connecting said second winding in parallel with one portion and in series with another portion of said voltage divider network, and means for simultaneously varying the resistance of said network which is in parallel with said second winding and the resistance which is in series with said second winding.

2,576,085
PRODUCTION OF HIGH-PRESSURE PIPES AND VESSELS
Arthur Cecil Vivian, London, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
Application May 15, 1948, Serial No. 27,317
In Great Britain May 7, 1947
3 Claims. (Cl. 29—148.2)



1. A method for the manufacture of high-pressure pipes, comprising shrinking a number of bands on to a core pipe at intervals along its external surface, positioning a centre pipe within said core pipe, supporting the core pipe on the centre pipe by means of annular end members which are secured to the ends of the core pipe and which slidably engage the center pipe, and supplying liquid under pressure to the annular space between the core pipe and the centre pipe so as to cause the core pipe to expand and take up a permanent set in the spaces between the bands, the degree of expansion of the core pipe being determined by the radial pressure thereon and the outwardly acting longitudinal load at each end thereof caused by the pressure of the liquid on the annular end members.

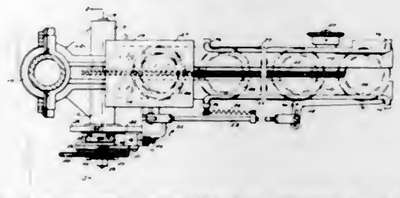
2,576,086
DRAPERY CARRIER
Fred H. Werner and James J. Graham, Wallingford, Conn., assignors to H. L. Judd Company, Wallingford, Conn., a corporation of Delaware
Application April 16, 1949, Serial No. 87,946
6 Claims. (Cl. 160—126)

1. In a drapery fixture of the character indicated, a track, two slides slidable on said track, pull means including strings attached to said slides, keeper means on one of said slides, and spring-detent means on the other of said slides and aligned for engagement with said keeper means when said slides are near each other, one of said slides having an elongated recess adjacent the one of said keeper and detent means carried thereby, said slides being movable relatively to each other beyond a drawn engagement of said detent means with said keeper means, so



that there may be longitudinal lost motion between said slides after a drawn engagement of said detent means with said keeper means, whereby said lost motion may usefully permit stress relief in said pull means without stressing the engagement of said detent means and said keeper means.

2,576,087
CONVEYER CONTROL MECHANISM
Isaac L. Wilcox, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application November 17, 1949, Serial No. 127,930
7 Claims. (Cl. 198—37)

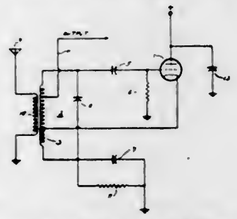


7. A conveyor operable to advance a procession of articles from a loading to an unloading station, power operated means for actuating said conveyor including a clutch having a shiftable member normally arranged in clutching position, a clutch control member normally positioned to be engaged by said shiftable member once during each revolution of said clutch and being operable upon such engagement to shift said shiftable member out of clutching position, a cam rotatable with the clutch and operable to yieldingly move said control member out of normal position, an article detector arranged at the unloading station and being moved transversely of the conveyor into engagement with an article positioned on the conveyor at said unloading station, such movement being simultaneously with the movement of said control member, and said detector being cooperable upon engagement with an article on the conveyor to restrain movement of the clutch control member out of normal position.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

662,418. **SUPERREGENERATOR.** Joseph C. Tellier, Penn Wynne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania. Filed Apr. 16, 1946. Published Nov. 20, 1951. Class 250—20. 1 sheet of drawings. 9 pages of specification.



The disclosure relates to a self-quenched superregenerator in which quenching is controlled by means of an R-C network in the common plate-cathode, grid-cathode circuit of the oscillator tube, rather than in the grid-cathode circuit alone as in the conventional squegging oscillator. This permits greater freedom in the choice of the quenching frequency.

In the arrangement illustrated, triode 1 cooperates with tank circuit 2, comprising inductor 3 and condenser 4, to form an oscillator of conventional form. R-C network 7, 8 is included in the plate-cathode and grid-cathode circuits of tube 1 and the magnitude of resistor 8 is so chosen that the maximum potential developed across condenser 7 when it is fully charged by the potential developed across the resistor when the tube conducts is at least sufficient to cut the tube off. Oscillations are permitted to resume when condenser 7 has sufficiently discharged through resistor 8. Grid leak resistor 6 and condenser 5 cooperate to provide normal operating bias for tube 1 when it is conductive, but their time constant is not such as to produce squegging.

32,541. **SELECTIVE HYDROGENATION OF ACETYLENE.** Gardner C. Ray, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware. Filed June 11, 1948. Published Nov. 20, 1951. Class 260—677. No drawing. 8 pages of specification.

Acetylene present in minor proportions (generally 5 per cent or less) in a normally gaseous mixture, e. g. an effluent from hydrocarbon cracking, is selectively hydrogenated to a less unsaturated compound by passing the said gaseous admixture in contact with a catalyst comprising at least one of the group consisting of a molybdenum sulfide, a nickel sulfide, and a tungsten sulfide. Hydrogen for the process is usually present in the gas to be treated, although it can be added to the gas in part or in whole as desired. These catalysts as applied in the practice of this invention promote selective hydrogenation of the acetylene even in the presence of large excesses of hydrogen and olefins, e. g. ethylene, and are resistant to the poisoning effects of hydrogen sulfide present in the gas treated. Process conditions include a selective hydrogenation temperature of from 150 to 350° C., a pressure in the range of from 1 to 50 atmospheres, and a space velocity in the range of from 300 to 5000 volumes of gas to be treated per catalyst volume per hour.

37,498. **HIGH PRESSURE LUBRICANT AND METHOD OF USING SAME.** Ludwig Karl Schuster, Philadelphia, Pa., and Herbert G. Krutzke, Philadelphia, Pa., said Schuster assignor to the United States of America as represented by the Secretary of the Army. Filed July 7, 1948. Published Nov. 20, 1951. Class 148—6.15. No drawing. 14 pages of specification.

This disclosure relates to the preparation of surfaces of steel for facilitating working by drawing or cold extrusion, in which working the steel surface is subjected to extremely high pressure in contact with dies.

A composite lubricant film is formed on the steel surface which lubricant film consists of an underlying layer of zinc phosphate or cadmium phosphate and an overlying layer of zinc stearate or cadmium stearate. The film is able to withstand extremely high unit pressure. In some examples the film may also have absorbed into it a lubricant oil of the polar type, for example lard oil or sulfonated tallow.

The steel is first given a zinc phosphate coat, by immersion in a conventional phosphate coating solution. Thereafter the coated steel is immersed in an aqueous solution of sodium stearate, or in an alkaline aqueous emulsion of sodium stearate and polar lubricant oil, for at least one hour at a temperature of at least 70° C. The sodium stearate converts part of the zinc phosphate into zinc stearate.

A steel sample with zinc phosphate-zinc stearate coating gave a coefficient of friction that was about 14.2% of that obtained with an uncoated steel sample, when the samples were subjected to 10,000 p. s. i. unit pressure. When sulfonated tallow was also present in the coating the coefficient of friction under the same conditions decreased to about 11.4% of that when using an uncoated sample.

43,202. **FORMATION OF ACETALS TO SEPARATE OXYGENATED COMPOUNDS FROM FISCHER-TROPSCH PRODUCTS.** John S. Cromeans, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware. Filed Aug. 9, 1948. Published Nov. 20, 1951. Class 260—450. 1 sheet of drawings. 12 pages of specification.

A narrow boiling aldehyde - alcohol - ketone fraction not readily resolved by ordinary fractionation methods, is resolved by forming an acetal from a constituent alcohol and aldehyde, separating the ketone from the resulting acetal-containing mixture by ordinary fractionation methods, hydrolysis of the residual acetal to regenerate the original alcohol and aldehyde, and recovery by ordinary fractionation means of the

regenerated alcohol and aldehyde. Acetal formation is accomplished in the presence of a strong mineral acid at about room temperature. Aqueous alkaline solution is then added to the acetal-containing mixture, preferably in stoichiometric excess over the amount of mineral acid present therein, to neutralize the acid and to stabilize the acetal for subsequent distillation. The alkaline-acetal-containing fraction is then fractionated as by fractional distillation, to remove the ketone as distillation product. Residual acetal, although it can be utilized as such, is preferably hydrolyzed in the presence of an aqueous mineral acid, preferably by heating at the boiling point, to regenerate the alcohol and aldehyde. This process is advantageously applied to the resolution of the narrow boiling aldehyde-alcohol-ketone fraction obtained from the aqueous layer of the product of the catalytic hydrogenation of carbon monoxide, particularly a propionaldehyde-acetone-methanol fraction boiling in the range of about 45 to 58° C. as such a fraction.

121,229. **HYDROCARBON OXIDATION.** Charles W. Perry, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware. Filed Oct. 13, 1949. Published Nov. 20, 1951. Class 260—533. No drawing. 9 pages of specification.

This application discloses a process for the oxidation of saturated aliphatic hydrocarbons in an aqueous emulsion medium with an oxygen-containing gas such as air. According to this disclosure improved yields of oxidation products when compared with the direct oxidation of similar hydrocarbons in the absence of an aqueous emulsion can be obtained. The hydrocarbons oxidized are C_3 to C_8 saturated aliphatic hydrocarbons and may be either straight-chain or branched-chain hydrocarbons. The emulsifying agents employed are similar to those agents employed in the recipes for the production of synthetic rubber latices and include alkyl aromatic sulfonates, non-ionic detergents and alkali metal salts of rosin or abetic acids. Fatty acid soaps may also be employed. Suitable oxidation catalysts may also be employed in the reaction mixture such as manganese, iron, cobalt, copper and ceriu, their oxides and salts as well as promoters therefor such as one or more of the alkali and alkaline earth metals, their oxides and salts.

The following example demonstrates the process of this application:

In a batch-type experiment using an aqueous emulsion containing 3 weight per cent sodium naphthalene beta-sulfonate and using 0.7 weight per cent based on the total charge to the reactor of manganous acetate tetrahydrate as a catalyst, the following data were observed:

Temperature (°F.)	258–270
Pressure (p. s. i. g.)	500
Duration of run (hrs.)	4.1
Influent air flow (cu. ft. STP/hr.)	2.04
Weight of diisopropyl charged (lb.)	0.5
Weight of water charged (lb.)	2.0

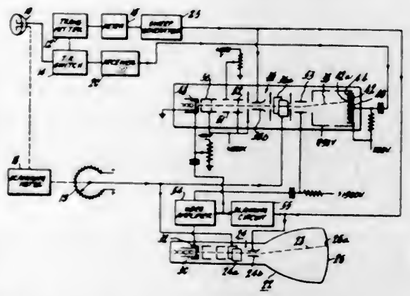
Under these conditions the following reaction products were obtained in yields expressed as weight per cent based on the diisopropyl charged:

Formic acid	3.0
Acetic acid	2.0
Isobutyric acid	2.6
Higher-boiling acids	1.8
Acetone	20.6
2-propanol	3.2
2,3-dimethyl-2-butanol	1.8
Total	35.0

150,557. **PERMANENT SPRAY BOOTH COATING AND METHOD OF REMOVING DRIED PAINT FILMS FROM SPRAY BOOTH SURFACES.** Andrew W. Liger, Wyandotte, Mich. Filed Mar. 18, 1950. Published Nov. 20, 1951. Class 117—46. No drawing. 4 pages of specification.

The permanent spray booth coating of the disclosure consists of a relatively thin film of polytetrafluoroethylene (e. g. product of U. S. Patent Nos. 2,393,967 and 2,394,243), which is applied directly to the surfaces which are exposed to paint spray residue accumulation. Such a film or layer of polytetrafluoroethylene is applied to such surfaces in the form of an aqueous dispersion which is allowed to dry, and then fused or sintered at a temperature of approximately 750° F., by the application of heat, which may be done by a baking process, but most conveniently accomplished by means of a portable gas flame or blowtorch. A single sprayed-on or brushed-on coating of such polytetrafluoroethylene aqueous dispersion is adequate; the resultant dried and fused film having a thickness of less than 1 micron. An additional two or three coats may be applied if desired. Then, as the paint, enamel or lacquer over-spray residue accumulates and dries on such a polytetrafluoroethylene coated surface, it is quickly and easily peeled off in the form of sheets merely by grasping the dried residue layer by the fingers and at an edge or at a projection, and pulling it off from the polytetrafluoroethylene surface to which it very lightly adheres. After peeling off the over-spray residue layer, the spray booth is immediately ready for resumption of spray work and the deposition of an additional layer or accumulation of over-spray residue. This eliminates the necessity for scraping, brushing and wiping operations for the removal of the spray residue, as well as the necessity for recoating the spray booth surfaces with a coating compound after each stripping off of over-spray.

161,661. **AREA MOVING TARGET INDICATION.** Arthur S. Jensen, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed May 12, 1950. Published Nov. 20, 1951. Class 343—9. 1 sheet of drawings. 10 pages of specification.



The device disclosed is a radar moving target indicator system. The transmitter **12** sends out pulses of radiant energy from antenna **10** under control of the keyer **16**. Echo signals from radar targets are received again at antenna **10** and demodulated in the receiver **20**. The demodulated signals are applied to the signal plate **40** of a barrier grid storage tube having the barrier grid **44**. Synchronously with scanning by the antenna **10**, the beam **38** of the barrier grid storage tube scans the target **42**, for example in a "B" pattern, as the antenna **10** scans with

radiant energy the space around it. If the same signal due to a fixed target is applied repeatedly to signal plate **40** at each time that a particular point, for example point **42***a* on the target **42**, is struck by the electron beam, no signal is received on collector electrode **53** to be impressed by video amplifier **54** on the grid **32** of a cathode ray indicator tube **22**. However, if the target is moving, then the signal impressed on signal plate **40** changes each time the beam strikes this point **42***a*. Then due to the storage tube internal subtraction between a new and a stored signal, a signal is received from collector electrode **53**, and this signal applied through video amplifier **54** on grid **32** may cause the indicator tube screen **26** to fluoresce at the point **26***a* or at the adjacent point in accordance with the target motion. Thus fixed radar targets produce no output signal visible on the indicator tube **22**, only moving radar targets do so.

DESIGNS

NOVEMBER 20, 1951

165,206
FLOCKED FABRIC
Joseph Alexander, New York, N. Y.
Application July 19, 1951, Serial No. 15,961
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a flocked fabric, substantially as shown and described.

165,207
FLOCKED FABRIC
Joseph Alexander, New York, N. Y.
Application July 19, 1951, Serial No. 15,962
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a flocked fabric, substantially as shown and described.

165,208
FLOCKED FABRIC
Joseph Alexander, New York, N. Y.
Application July 19, 1951, Serial No. 15,963
Term of patent 3½ years
(Cl. D92—1)



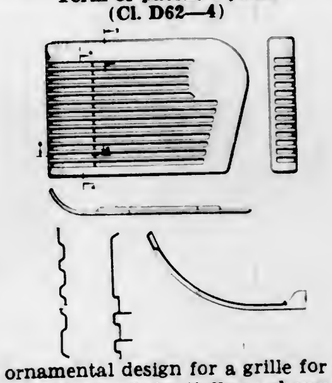
The ornamental design for a flocked fabric, substantially as shown and described.

165,209
PLATE OR SIMILAR ARTICLE
Robert Y. Allen, Pacific Palisades, Melvin Shaw, Beverly Hills, and Evan K. Shaw, Los Angeles, Calif., assignors to Metlox Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application June 9, 1951, Serial No. 15,486
Term of patent 14 years
(Cl. D44—15)



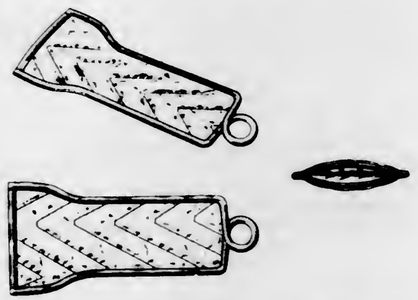
The ornamental design for a plate or similar article, as shown and described.

165,210
GRILLE FOR AIR CONDITIONING CABINET
Herbert E. Anderson, Jr., Duluth, Minn., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application July 18, 1951, Serial No. 15,926
Term of patent 7 years
(Cl. D62—4)



The ornamental design for a grille for air conditioning cabinet, substantially as shown and described.

165,211
COOKING UTENSIL HANDLE COVER
Fannie Raphiel Arnone, Kansas City, Mo.
Application July 20, 1950, Serial No. 11,275
Term of patent 14 years
(Cl. D44—29)



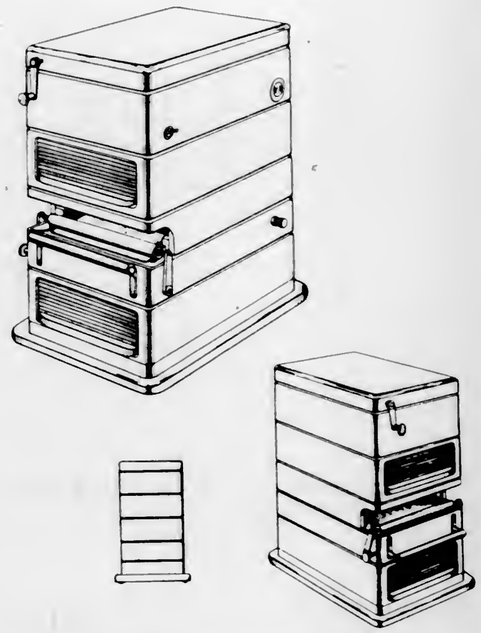
The ornamental design for a cooking utensil handle cover, as shown.

165,212
JEWELRY COMPONENT OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application July 12, 1951, Serial No. 15,848
Term of patent 14 years
(Cl. D45—1)



The ornamental design for a jewelry component or similar article, substantially as shown.

165,213
PHOTOGRAPHIC PROCESSING APPARATUS
Guy D. Aydlett, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 14, 1951, Serial No. 15,543
Term of patent 3½ years
(Cl. D61—1)



The ornamental design for a photographic processing apparatus, as shown.

165,214
BOOT
Charles H. Baker, Providence, R. I.
Application January 4, 1951, Serial No. 13,671
Term of patent 14 years
(Cl. D7—4)



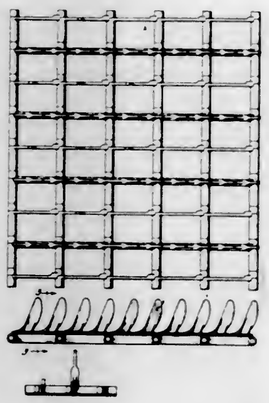
The ornamental design for a boot, substantially as shown and described.

165,215
BOOT
Charles H. Baker, Providence, R. I.
Application January 4, 1951, Serial No. 13,672
Term of patent 14 years
(Cl. D7—4)



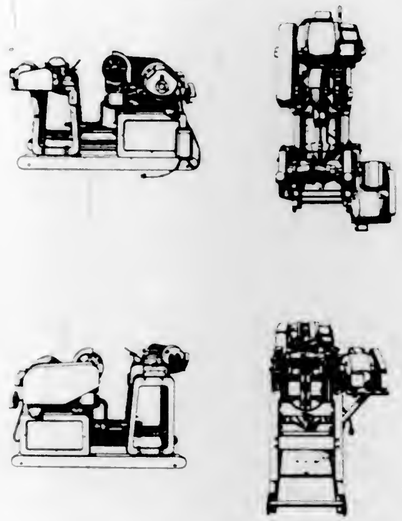
The ornamental design for a boot, substantially as shown and described.

165,216
DISH HOLDING RACK
Edward L. Blakeslee, Oak Park, Ill., assignor to G. S. Blakeslee & Co., Chicago, Ill., a corporation of Illinois
Application June 1, 1951, Serial No. 15,368
Term of patent 7 years
(Cl. D44—29)



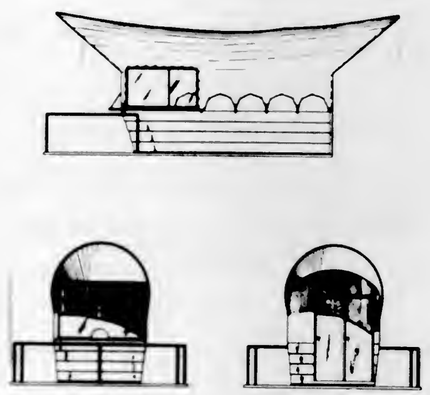
The ornamental design for a dish holding rack, as shown.

165,217
COMBINED PNEUMATIC TIRE CASING TRIMMER AND BALANCING MACHINE OR SIMILAR ARTICLE
James H. Braley, Sacramento, Calif.
Application May 5, 1951, Serial No. 15,078
Term of patent 14 years
(Cl. D55—1)



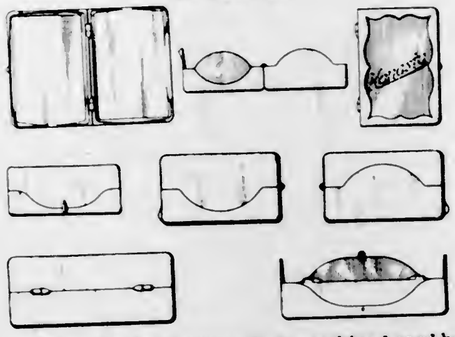
The ornamental design for a combined pneumatic tire casing trimmer and balancing machine or similar article, substantially as shown.

165,218
RESTAURANT BUILDING
Melvin E. Coleman, Waco, Tex., assignor to Chuc-Wagun System Incorporated, Waco, Tex., a corporation of Texas
Application October 2, 1950, Serial No. 12,423
Term of patent 7 years
(Cl. D13—1)



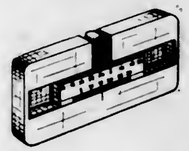
The ornamental design for a restaurant building, as shown and described.

165,219
COMBINED CARD BOX AND FOLDING CANASTA TRAY OR SIMILAR ARTICLE
Charles F. Degner, Boonville, Mo.
Application January 20, 1951, Serial No. 13,898
Term of patent 14 years
(Cl. D34—13)



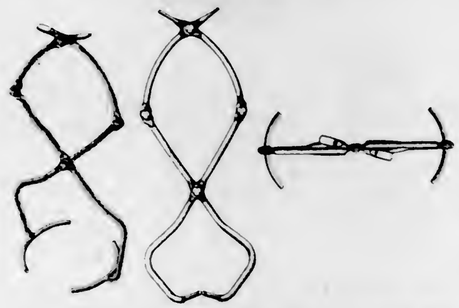
The ornamental design for a combined card box and folding canasta tray or similar article, as shown and described.

165,220
FERTILITY SLIDE RULE
Elie Paul Emile Deschamps, Oyonnax, France
Application October 14, 1950, Serial No. 12,577
In France August 25, 1950
Term of patent 7 years
(Cl. D52—1)



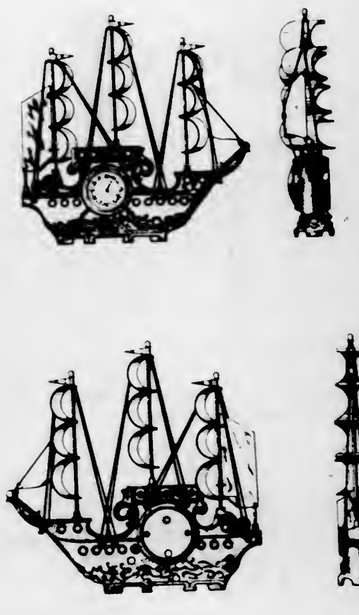
The ornamental design for a fertility slide rule, as shown and described.

165,221
LIFTING TONGS
Charles S. Dixon, Oakland, Calif.
Application August 13, 1947, Serial No. 140,838
Term of patent 14 years
(Cl. D44—29)



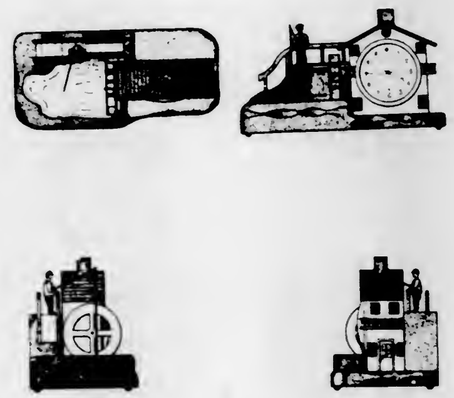
The ornamental design for a lifting tongs, substantially as shown.

165,222
CLOCKCASE
Ludwig Eickemeyer, Union, N. J.
Application July 16, 1951, Serial No. 15,895
Term of patent 3½ years
(Cl. D42—7)



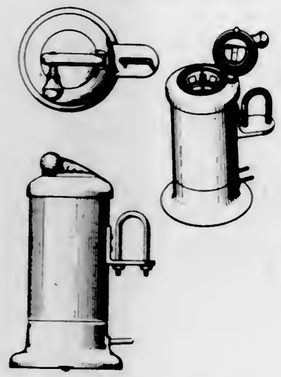
The ornamental design for a clockcase, substantially as shown and described.

165,223
CLOCKCASE
Ludwig Eickemeyer, Union, N. J.
Application July 16, 1951, Serial No. 15,896
Term of patent 3½ years
(Cl. D42—7)



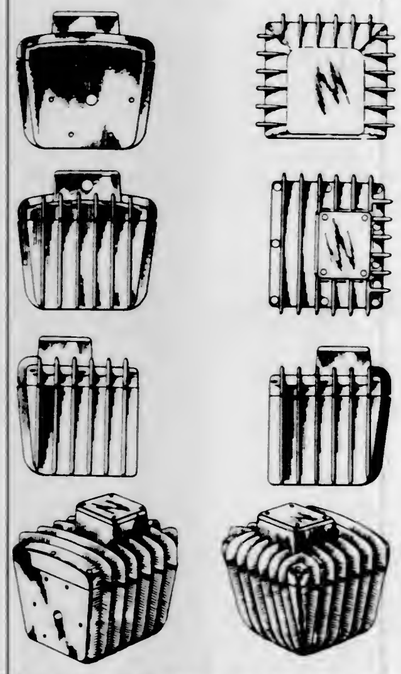
The ornamental design for a clockcase, substantially as shown.

165,224
ELECTRIC OIL STERILIZER
Henry A. Eitelberg, Brooklyn, N. Y.
Application August 16, 1950, Serial No. 11,790
Term of patent 3½ years
(Cl. D83—1)



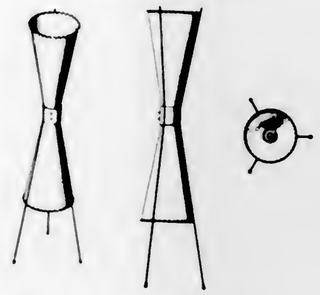
The ornamental design for an electric oil sterilizer, as shown and described.

165,225
ELECTRIC MOTOR HOUSING
Harry Goodman, Britton, Okla.
Application June 19, 1950, Serial No. 10,619
Term of patent 14 years
(Cl. D26—5)



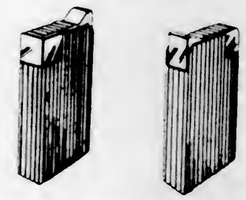
The ornamental design for an electric motor housing, as shown.

165,226
FLOOR LAMP
John M. Gray, Palos Verdes, and Ellis G. Revness, Los Angeles, Calif.
Application August 4, 1951, Serial No. 16,154
Term of patent 3½ years
(Cl. D48—20)



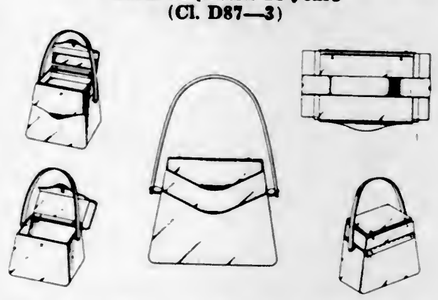
The ornamental design for a floor lamp, substantially as shown.

165,227
PYROPHORIC LIGHTER
André Léandre Guenin, Geneva, Switzerland, assignor to La Nationale S. A., Geneva, Switzerland, a corporation of Switzerland
Application August 9, 1950, Serial No. 11,685
In Switzerland April 22, 1950
Term of patent 14 years
(Cl. D48—27)



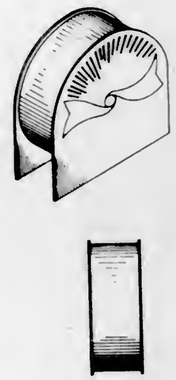
The ornamental design for a pyrophoric lighter, as shown.

165,228
HANDBAG
William H. Hardy, River Edge, N. J.
Application August 1, 1951, Serial No. 16,102
Term of patent 14 years
(Cl. D87—3)



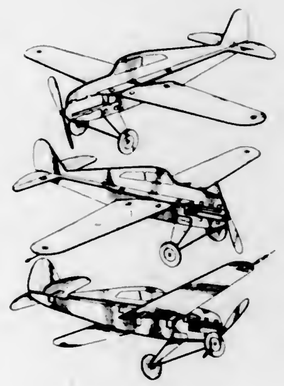
The ornamental design for a handbag, substantially as shown.

165,229
RIBBON DISPENSER
Joseph M. Katz, Pittsburgh, Pa., assignor to The Papercraft Corporation, a corporation of Pennsylvania
Application August 16, 1951, Serial No. 16,301
Term of patent 7 years
(Cl. D74—1)



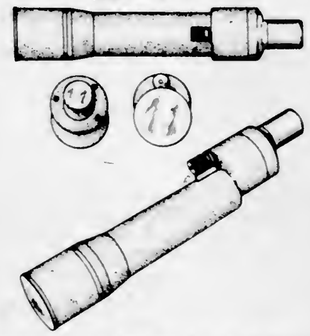
The ornamental design for a ribbon dispenser, as shown and described.

165,230
TOY AIRPLANE
Frank W. Kertell, Oakland, Calif.
Application October 21, 1949, Serial No. 5,620
Term of patent 7 years
(Cl. D34—15)



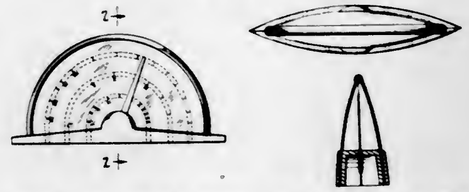
The ornamental design for a toy airplane, substantially as shown and described.

165,231
TELESCOPE
Joseph D. Kieffer, III, Rochester, and William M. Strom, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 31, 1951, Serial No. 15,354
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a telescope, substantially as shown.

165,232
INDICATOR DIAL OR SIMILAR ARTICLE
George A. Lasko, Toledo, Ohio
Application December 30, 1947, Serial No. 143,433
Term of patent 14 years
(Cl. D56—4)



The ornamental design for an indicator dial or similar article, substantially as shown and described.

165,233
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application January 25, 1949, Serial No. 459
Term of patent 14 years
(Cl. D14—30)



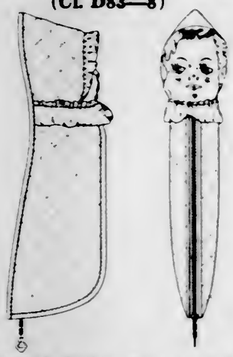
The ornamental design for a wheel cover or similar article, substantially as shown and described.

165,234
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application August 5, 1950, Serial No. 11,641
Term of patent 14 years
(Cl. D14—30)



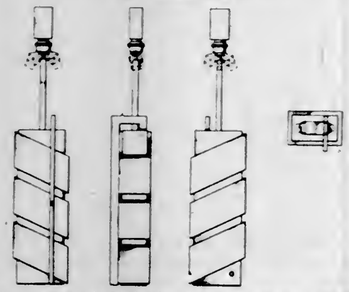
The ornamental design for a wheel cover or similar article, substantially as shown and described.

165,235
INFANT'S BOTTLE GUARD OR SIMILAR ARTICLE
Rudy Miller, Brooklyn, N. Y., assignor to Caris-Art Inc., Brooklyn, N. Y., a corporation of New York
Application June 28, 1950, Serial No. 10,820
Term of patent 3½ years
(Cl. D83—8)



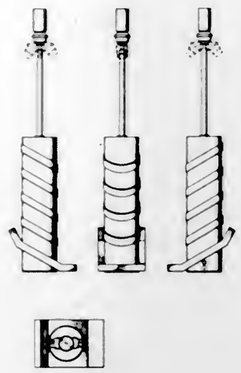
The ornamental design for an infant's bottle guard, or similar article, as shown.

165,236
LAMP BASE
Edith Norton, Los Angeles, Calif.
Application October 9, 1950, Serial No. 12,487
Term of patent 14 years
(Cl. D48—20)



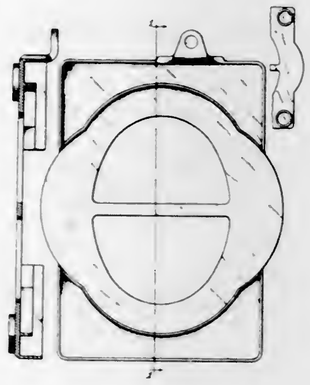
The ornamental design for a lamp base, substantially as shown and described.

165,237
LAMP BASE
Edith Norton, Los Angeles, Calif.
Application October 9, 1950, Serial No. 12,488
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp base, substantially as shown and described.

165,238
TELEPHONE SUPPORT
William C. O'Brien, Baltimore, Md.
Application November 14, 1949, Serial No. 6,014
Term of patent 7 years
(Cl. D26—14)



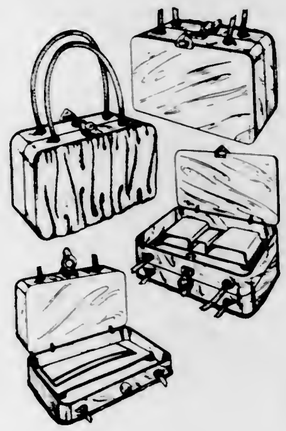
The ornamental design for a telephone support, substantially as shown and described.

165,239
HANDBAG
Irving Pichel, New York, N. Y.
Application June 27, 1951, Serial No. 15,673
Term of patent 3½ years
(Cl. D87—3)



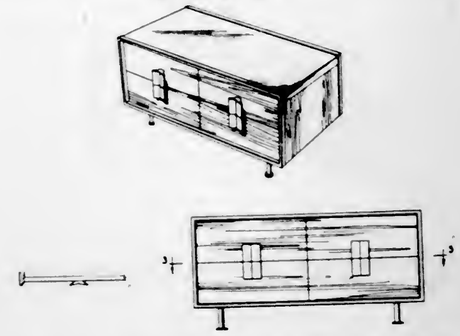
The ornamental design for a handbag, substantially as shown.

165,240
HANDBAG
Irving Pichel, New York, N. Y.
Application June 27, 1951, Serial No. 15,674
Term of patent 3½ years
(Cl. D87—3)



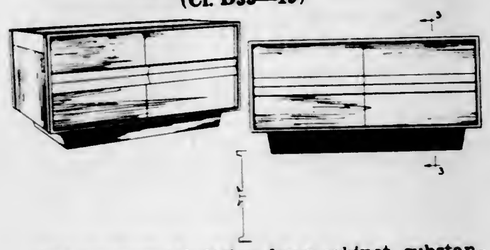
The ornamental design for a handbag, substantially as shown and described.

165,241
CABINET
Wayne R. Porter, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application September 25, 1950, Serial No. 12,334
Term of patent 3½ years
(Cl. D33—19)



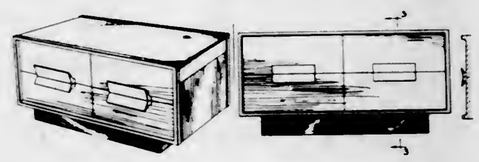
The ornamental design for a cabinet, substantially as shown.

165,242
CABINET
Wayne R. Porter, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application September 25, 1950, Serial No. 12,337
Term of patent 3½ years
(Cl. D33—19)



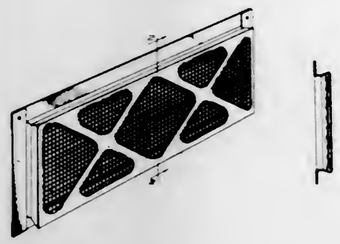
The ornamental design for a cabinet, substantially as shown.

165,243
CABINET
Wayne R. Porter, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application September 25, 1950, Serial No. 12,339
Term of patent 3½ years
(Cl. D33—19)



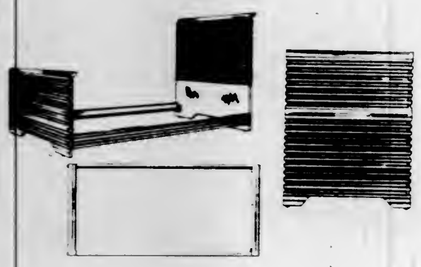
The ornamental design for a cabinet, substantially as shown.

165,244
FOUNDATION VENTILATOR
Albert Rendessy, Glendale, Calif.
Application August 5, 1950, Serial No. 11,617
Term of patent 3½ years
(Cl. D62—4)



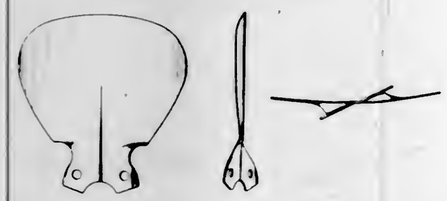
The ornamental design for a foundation ventilator, as shown.

165,245
BEDSTEAD OR SIMILAR ARTICLE
Otis C. Robbins, Dallas, Tex.
Application February 23, 1950, Serial No. 8,075
Term of patent 3½ years
(Cl. D5—4)



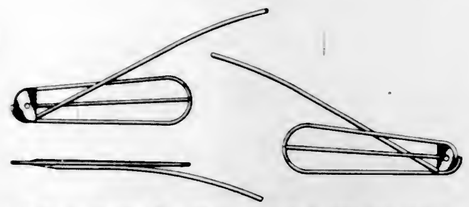
The ornamental design for a bedstead or similar article, substantially as shown and described.

165,246
FAN BLADE
Joseph T. Roffy, Huntington Park, Calif.
Application October 23, 1950, Serial No. 12,688
Term of patent 14 years
(Cl. D26—7)



The ornamental design for a fan blade, substantially as shown.

165,247
GRASS DIVIDER
Lester Shell, Hopkins, Mo.
Application June 4, 1951, Serial No. 15,388
Term of patent 14 years
(Cl. D40—1)



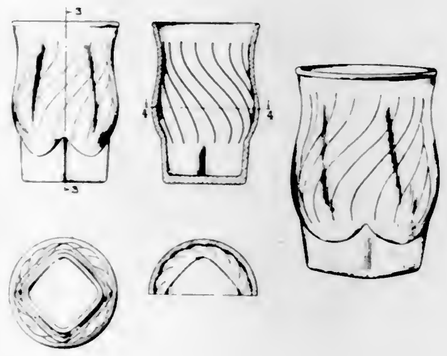
The ornamental design for a grass divider, as shown.

165,248
TOOTHBRUSH
Tom W. Sherrod and Niles J. G. Edwards, Jackson, Miss.
Application February 1, 1951, Serial No. 14,075
Term of patent 14 years
(Cl. D9—2)



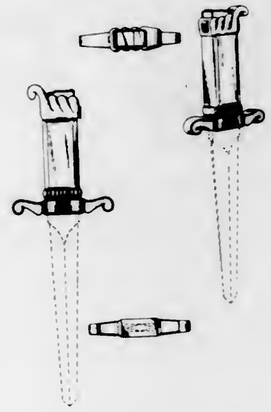
The ornamental design for a toothbrush, substantially as shown.

165,249
TUMBLER
Huntley H. Soyster, San Francisco, Calif., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 12, 1950, Serial No. 12,149
Term of patent 14 years
(Cl. D36—8)



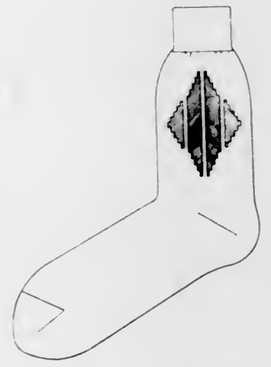
The ornamental design for a tumbler, substantially as shown.

165,250
COMBINED CIGARETTE LIGHTER AND LETTER OPENER
Herman George Treiss, Riverdale, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application July 27, 1951, Serial No. 16,055
Term of patent 14 years
(Cl. D48—27)



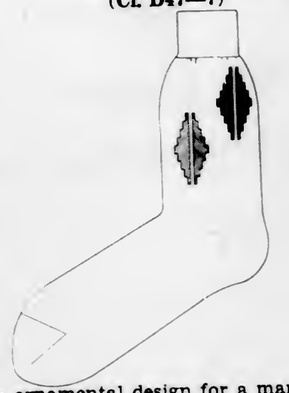
The ornamental design for a combined cigarette lighter and letter opener, as shown and described.

165,251
MAN'S SOCK
Fred J. Vanhorn, Valdese, and Roy L. Vanhorn, Drexel, N. C., assignors to Menzies Hosiery Mills, Inc., Hickory, N. C., a corporation of North Carolina
Application June 4, 1951, Serial No. 15,386
Term of patent 14 years
(Cl. D47—7)



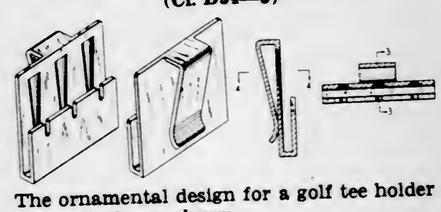
The ornamental design for a man's sock, substantially as shown and described.

165,252
MAN'S SOCK
Fred J. Vanhorn, Valdese, and Roy L. Vanhorn, Drexel, N. C., assignors to Menzies Hosiery Mills, Inc., Hickory, N. C., a corporation of North Carolina
Application June 4, 1951, Serial No. 15,387
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a man's sock, substantially as shown and described.

165,253
GOLF TEE HOLDER OR SIMILAR ARTICLE
Raymond R. Ward, North Royalton, Ohio
Application August 10, 1950, Serial No. 11,707
Term of patent 14 years
(Cl. D34—5)



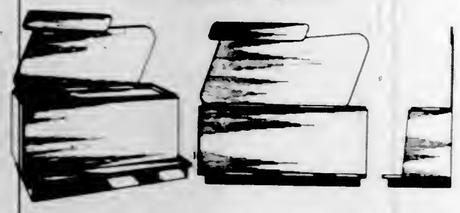
The ornamental design for a golf tee holder or similar article, as shown.

165,254
COMBINED DISPLAY AND DISPENSING STAND
John R. Warp, Chicago, Ill., assignor to Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois
Application September 25, 1948, Serial No. 148,774
Term of patent 14 years
(Cl. D30—9)



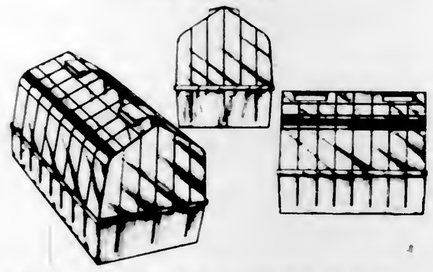
The ornamental design for a combined display and dispensing stand, as shown and described.

165,255
DISPLAY STAND
Charles L. Wheeler, Salt Lake City, Utah, assignor to The Peck, Stow & Wilcox Company, Southington, Conn., a corporation of Connecticut
Application May 26, 1950, Serial No. 10,228
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a display stand, substantially as shown.

165,256
BOX
Bernard Yellin, Chicago, Ill.
Application July 26, 1950, Serial No. 11,409
Term of patent 3½ years
(Cl. D58—12.6)



The ornamental design for a box, as shown.

November 27, 1951 Volume 652 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A-1 Manufacturing Co., Los Angeles, Calif. Men's and boys' suits of clothes. Serial No. 605,004, Nov. 27. Class 39.

Abbott Laboratories, North Chicago, Ill. Container charged with a medicament. Serial No. 573,294, Nov. 27. Class 18.

Acme Visible Records, Inc., Chicago, Ill. Visible record cards, index cards and dividers and signals for card indexes. Serial No. 587,455, Nov. 27. Class 37.

Alexander & Sprague, Chicago, Ill. Entertainment service. Serial No. 609,837, Nov. 27. Class 107.

All-Steel Equipment Inc., Aurora, Ill. Construction materials. Serial No. 558,433, Nov. 27. Class 12.

Aluminum Fabricating Company of Pittsburgh, Pittsburgh, Pa. Storm sash. Serial No. 612,234, Nov. 27. Class 12.

American Brake Shoe Company, New York, N. Y. Rail switches, switch stands, switch point locks, etc. Serial No. 601,529, Nov. 27. Class 23.

American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. Serial No. 612,644, Nov. 27. Class 46.

American Drug & Chemical Co., Minneapolis, Minn. Single preparation in the form of a white powder put up in colored capsules used as a concentrated germicide, antiseptic and deodorant. Serial No. 595,818, Nov. 27. Class 18.

American Hollow Boring Company, Erie, Pa. Drill collars. Serial No. 598,623, Nov. 27. Class 23.

American Lace Paper Company, Milwaukee, Wis. Molded paper pulp cups. Serial No. 610,158, Nov. 27. Class 2.

American Thermos Bottle Company, The, Norwich, Conn. Vacuum, thermostatic, and heat-insulated vessels. Serial No. 587,230, Nov. 27. Class 2.

American Viscose Corporation, Philadelphia, Pa. Cellulose ethers. Serial No. 612,645, Nov. 27. Class 6.

Amity Leather Products Co., West Bend, Wis. Billfolds. Serial No. 610,662, Nov. 27. Class 3.

Apple Growers Association, Hood River, Oreg. Fruit beverages. Serial No. 575,744, Nov. 27. Class 45.

Arcady Farms Milling Company, Chicago, Ill. Compounded chicken feed. Serial No. 575,032, Nov. 27. Class 46.

Armor-Clad Company, Newark, N. J. Refractory coating. Serial No. 525,762, Nov. 27. Class 12.

Armour and Company, Chicago, Ill. Tall oil pitch, cotton seed pitch, palm pitch, etc. Serial No. 606,690, Nov. 27. Class 1.

Army Chemical Corporation, New York, N. Y. Transparent, liquid finish, in the nature of a varnish. Serial No. 558,442, Nov. 27. Class 16.

Asther, B. F., & Company, Inc., Kansas City, Mo. Medicinal preparation. Serial No. 612,113, Nov. 27. Class 18.

Associated Producers, Inc., Hazel Park, Mich. Solvent composition. Serial No. 572,289, Nov. 27. Class 52.

Atlantic Dental Laboratories, Brooklyn, N. Y. Molding of artificial cast teeth and bridges for dentists. Serial No. 553,952, Nov. 27. Class 106.

Atlantic Varnish and Paint Company, Incorporated, Richmond, Va. Ready mixed paints, paste paints, paint enamels, etc. Serial No. 595,585, Nov. 27. Class 16.

Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Acid resistant silicate cement. Serial No. 611,996, Nov. 27. Class 12.

Automatic Pencil Sharpener Co.: *See*—
Spengler-Loomis Manufacturing Company.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Storage tanks. Serial No. 608,857, Nov. 27. Class 2.

Automobile Dealers Associates, Inc., Chicago, Ill. Motor oil. Serial No. 604,895, Nov. 27. Class 15.

Avica Corporation, Portsmouth, R. I. Flexible hose assemblies comprising hose and flexible pipe. Serial No. 611,752, Nov. 27. Class 35.

Barenfeld Shirt Manufacturing Co., Los Angeles, Calif. Men's sport shirts. Serial No. 587,069, Nov. 27. Class 39.

Barker, Moore & Mein Company, Philadelphia, Pa. Vermifuge for removal of large roundworms and cecal worms in chickens and turkeys. Serial No. 610,609, Nov. 27. Class 18.

Barker, Moore & Mein Company, Philadelphia, Pa. Vitamin supplement. Serial No. 610,610, Nov. 27. Class 18.

Baseline Mfg. Corp., Washington, D. C. Space heating radiators and closures therefor. Serial No. 596,647, Nov. 27. Class 34.

Bemis Bro. Bag Company, St. Louis, Mo. Cloth bags. Serial No. 562,306, Nov. 27. Class 2.

Betrix Company, Los Angeles, Calif. Portable and convertible dressing cases. Serial No. 604,833, Nov. 27. Class 3.

Bettersox Knitting Mills, Fort Atkinson, Wis. Men's and women's hosiery. Serial No. 542,515, Nov. 27. Class 39.

Blooker's Cacao-en Chocolade-Fabriken N. V., Amsterdam, Netherlands. Cocoa powder. Serial No. 611,753, Nov. 27. Class 46.

Blue Bell, Inc., Greensboro, N. C. Western style dungarees, shirts and jackets. Serial No. 610,358, Nov. 27. Class 39.

Boback, H. C., Co., Inc., Brooklyn, N. Y. Canned food products. Serial No. 604,899, Nov. 27. Class 46.

Booth Fisheries Corporation, Chicago, Ill. Canned, fresh, and frozen fish. Serial No. 553,570, Nov. 27. Class 46.

Boston Clock Service: *See*—
Kaatz, Alexander.

Bradshaw, R. D., & Sons, Wendell, Idaho. Crystallized honey. Serial No. 592,754, Nov. 27. Class 46.

Brainerd Aluminum Products, Inc., Brainerd, Minn. Metal siding for building construction. Serial No. 596,388, Nov. 27. Class 12.

Brand & Oppenheimer, Incorporated, New York, N. Y. Textile fabrics, outerwear fabrics and suitings. Serial No. 571,843, Nov. 27. Class 42.

Breathol Co.: *See*—
Fleischner, Nathan.

Brown, Mme. G. M.: *See*—
Brown, Mrs. Georgia Mae.

Brown, Mrs. Georgia Mae, also known as Mme G. M. Brown, Chicago, Ill. Hair pomade and pressing oil. Serial No. 612,438, Nov. 27. Class 51.

Bryn Mawr Laboratories: *See*—
Malcom, Frederick S.

Buch Manufacturing Company, Elizabethtown, Pa. Wheelbarrows. Serial No. 612,301, Nov. 27. Class 19.

Buch Manufacturing Company, Elizabethtown, Pa. Wheelbarrows. Serial Nos. 612,304–5, Nov. 27. Class 19.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation for use as a sedative, analgesic, and antipyretic. Serial No. 608,916, Nov. 27. Class 18.

Butcher Polish Company, The, Boston, Mass. Paste and liquid waxes, self-polishing wax. Serial No. 598,001, Nov. 27. Class 4.

C & D Batteries, Inc., Conshohocken, Pa. Storage batteries. Serial No. 611,558, Nov. 27. Class 21.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. Serial No. 612,385, Nov. 27. Class 6.

California Favorite Foods: *See*—
Gulick, Robert L., Jr.

California Reinforced Plastics Company, Berkeley, Calif. Panels for general construction and fabrication. Serial No. 596,073, Nov. 27. Class 12.

Caloric Stove Corporation, Philadelphia, Pa. Solid fuel cooking and heating stoves and ranges. Serial No. 603,984, Nov. 27. Class 34.

Calvert Distilling Co., The, New York, N. Y. Alcoholic beverages. Serial No. 604,763, Nov. 27. Class 49.

Camp, Harry, Millinery Company, San Francisco, Calif. Ladies' hats. Serial No. 608,491, Nov. 27. Class 39.

Canella Food Products Co.: *See*—
Canella, Joseph.

Canella, Joseph, trading as Canella Food Products Co., Omaha, Nebr. Meatless spaghetti sauce. Serial No. 592,419, Nov. 27. Class 46.

Catalina Inc., Los Angeles, Calif. Bathing suits. Serial No. 581,863, Nov. 27. Class 39.

Catarrhozone Company, The: *See*—
Comstock, W. H., Company Limited, The.

Celotex Corporation, The, assignee: *See*—
Jacobson & Company, Inc.

Certain-teed Products Corporation, Ardmore, Pa. Acoustical tile. Serial No. 611,759, Nov. 27. Class 12.

Chamberlain Laboratories, Inc., Des Moines, Iowa. Hand and skin cream. Serial No. 612,243, Nov. 27. Class 51.

Chiara Cheese Company, Lawrence, Mass. Blends of edible vegetable oils. Serial No. 607,931, Nov. 27. Class 46.

Chicago Paints, Inc., Chicago, Ill. Ready mixed paints, paint enamel, and varnish, shellac, wood stains, and paint and varnish remover. Serial No. 592,124, Nov. 27. Class 16.

Chicago Paints, Inc., Chicago, Ill. Ready mixed paints, paint enamel, varnish, etc. Serial Nos. 592,125–7, Nov. 27. Class 16.

Chicago Pharmacal Company, Chicago, Ill. Preparation used in the treatment of chafing, roughness of skin, etc. Serial No. 612,244, Nov. 27. Class 18.

Chemi-Sol Chemical and Sales Co., Hutchinson, Kans. Fumigant. Serial No. 591,354, Nov. 27. Class 6.

Clayton & Lambert Manufacturing Company, Louisville, Ky. Blowtorches and firepots. Serial No. 615,626, Nov. 27. Class 34.

Hartnell, Norman, Limited, London, England. Women's dresses, evening gowns, coats, suits and furs. Serial No. 560,559, Nov. 27. Class 39.

Hatch, Edna B., North Sacramento, Calif. Breast pads. Serial No. 610,517, Nov. 27. Class 40.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belts. Serial No. 611,225, Nov. 27. Class 39.

Holloway, M. J., & Co., Chicago, Ill. Candy. Serial No. 611,785, Nov. 27. Class 46.

Holloway, M. J., & Co., Chicago, Ill. Candy. Serial No. 611,787–8, Nov. 27. Class 46.

Hooker Electrochemical Company, Tacoma, Wash., and Niagara Falls, N. Y. Acetyl chloride, ammonium benzoate, allylchlorformate, etc. Serial No. 563,183, Nov. 27. Class 6.

Hormann, F. R., & Co., Inc., Newark, N. J. Plate and frame filtering apparatus. Serial No. 612,615, Nov. 27. Class 31.

Horowitz, Joseph, & Sons, Inc., New York, N. Y. Men's and boys' sportswear. Serial No. 610,971, Nov. 27. Class 39.

Huffman, Romayne E., Carroll, Iowa. Game. Serial No. 616,670, Nov. 27. Class 22.

Humble Oil & Refining Company, Houston, Tex. Refined, semirefined, and unrefined oils, etc. Serial No. 590,597, Nov. 27. Class 15.

Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Pharmaceutical preparation; metal salt impregnated gauze; burn treatment unit package. Serial No. 612,546, Nov. 27. Class 18.

Illinois Tool Works, Chicago, Ill. Power screw drivers and gears. Serial No. 586,486, Nov. 27. Class 23.

Illinois Tool Works, Chicago, Ill. Preassembled nuts and washers. Serial No. 605,420, Nov. 27. Class 13.

Imperial Pearl Syndicate, Inc., Chicago, Ill. Simulated pearls and simulated pearl jewelry. Serial No. 596,667, Nov. 27. Class 28.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Rapid heating furnaces. Serial No. 607,080, Nov. 27. Class 34.

Interstate Readers Service, Inc., Dallas, Tex. Acting as an agency for nationally-known periodical magazine publications. Serial No. 597,615, Nov. 27. Class 100.

Invention Sales Company, Lovelock, Nev., and Chicago, Ill. Toy building blocks. Serial No. 607,592, Nov. 27. Class 22.

Jacobson & Company, Inc., New York, N. Y., assignor to The Celotex Corporation, Chicago, Ill. Metal channel forms. Serial No. 586,488, Nov. 27. Class 12.

Jac-Sher Woolen Co., Minneapolis, Minn. Men's, women's and boys' hunting garments and outer wear. Serial No. 594,903, Nov. 27. Class 39.

Janalyn Laboratories, Inc., The, Worcester, Mass. Cosmetic. Serial No. 596,924, Nov. 27. Class 51.

Jetliner Sales Company: *See*—
Moran, James M.

Jewel Tea Co., Inc., Barrington, Ill. Jelly type soap product. Serial No. 593,121, Nov. 27. Class 52.

K-B Products Corp., Catskill, N. Y. Bottled mushroom juice. Serial No. 595,261, Nov. 27. Class 46.

Kaatz, Alexander, doing business as Boston Clock Service, Boston, Mass. Clocks and watches. Serial No. 593,178, Nov. 27. Class 27.

Karmen, B. H., doing business under the name Palm Springs Ceramics, Banning, Calif. Chinaware and earthenware. Serial No. 590,553, Nov. 27. Class 30.

Kelley-How-Thomson Co., Duluth, Minn. Sports clothing. Serial No. 544,740, Nov. 27. Class 39.

Kendall Refining Company, The, Bradford, Pa. Lubricating oils. Serial No. 561,020, Nov. 27. Class 15.

Kiekhaefer Corporation, Cedarburg, Wis. Outboard motors and parts thereof. Serial No. 565,940, Nov. 27. Class 23.

Kolar Laboratories, Inc., doing business under the style name of For You Cosmetics, Chicago, Ill. Cosmetics. Serial No. 605,802, Nov. 27. Class 51.

Kreisler, Jacques, Manufacturing Corporation, North Bergen, N. J. Watch bands, cuff links and tie bars. Serial No. 591,090, Nov. 27. Class 28.

Kreisler, Jacques, Manufacturing Corporation, North Bergen, N. J. Wrist watch bands. Serial No. 601,264, Nov. 27. Class 28.

La Emilia, Industrias Textiles, S. R. L., Buenos Aires, Argentina. Lace and embroidery medallions, narrow lace trimmings, etc. Serial No. 508,293, Nov. 27. Class 40.

Lange, Bert, trading under the name Timber Tie Company, Randolph, Vt. Bow necktie. Serial No. 583,350, Nov. 27. Class 39.

Lawfield Packing Company, The, Bridgeport, Conn. Canned soups. Serial No. 610,016, Nov. 27. Class 46.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. Serial No. 611,792, Nov. 27. Class 51.

Leipold, Eugene, Milwaukee, Wis. Concrete aggregate blocks. Serial No. 589,857, Nov. 27. Class 12.

Lepetit S. A., Milan, Italy. Antibiotic product. Serial Nos. 597,887–8, Nov. 27. Class 18.

Léron, Inc., New York, N. Y. Linens. Serial Nos. 615,125–6, Nov. 27. Class 42.

Levy-Theisen, Inc., New York, N. Y. Fur coats, fur jackets, and fur capes. Serial No. 596,102, Nov. 27. Class 39.

Lieberman, Joseph, & Sons, Inc., Philadelphia, Pa. Brushes. Serial No. 608,010, Nov. 27. Class 29.

Line Material Company: *See*—
McGraw Electric Company.

Lone Star Steel Company, Dallas, Tex. Cement lined cast iron pipe. Serial No. 613,926, Nov. 27. Class 13.

Malcom, Frederick S., doing business as Bryn Mawr Laboratories, Bryn Mawr, Pa. Anti-allergy preparation. Serial No. 609,598, Nov. 27. Class 18.

Mallinckrodt Chemical Works, St. Louis, Mo. Fungicide for turf diseases. Serial No. 610,519, Nov. 27. Class 6.

Malt-A-Plenty, Inc., Tulsa, Okla. Stabilizer for use in the manufacture of ice cream, ice milk, and related products. Serial No. 608,824, Nov. 27. Class 46.

Manco Watch Strap Co., Inc., New York, N. Y. Watch bands. Serial No. 609,688, Nov. 27. Class 28.

Manhattan Soap Company, Inc., New York, N. Y. Soap. Serial No. 532,146, Nov. 27. Class 52.

Mantell, Michael J., Los Angeles, Calif. Shoulder pads. Serial No. 613,719, Nov. 27. Class 40.

Marin, Allan, Chicago, Ill. Denture adhesive. Serial No. 609,935, Nov. 27. Class 51.

Marinette Knitting Mills, Marinette, Wis. Ladies' and girls' suits and sweaters, and ladies' and misses' dresses, skirts, etc. Serial No. 565,946, Nov. 27. Class 39.

Marlan Company, The, Philadelphia, Pa. Boys' and youths' sport and dress shirts and pajamas. Serial No. 545,501, Nov. 27. Class 39.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial Nos. 612,337–9, Nov. 27. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical ointment preparation. Serial No. 612,340, Nov. 27. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 612,341, Nov. 27. Class 18.

Mathieson Chemical Corporation, Baltimore, Md. Ammonium phosphate fertilizers. Serial No. 611,739, Nov. 27. Class 10.

McGraw Electric Company, Chicago, Ill., by merger with Line Material Company. Electric lighting luminaires. Serial No. 520,286, Nov. 27. Class 21.

Metals & Controls Corporation, Attleboro, Mass., assignee of Spencer Thermostat Company. Electric switches. Serial No. 527,209, Nov. 27. Class 21.

Micallef, A., & Co., Inc., Providence, R. I. Jewelry. Serial No. 601,113, Nov. 27. Class 28.

Miller Brothers Company, Johnson City, Tenn. Wood flooring and millwork. Serial No. 572,315, Nov. 27. Class 12.

Minkin, Louis E., Los Angeles, Calif. Folders. Serial No. 593,007, Nov. 27. Class 37.

Minnesota and Ontario Paper Company, Minneapolis, Minn. B-1 converting paper. Serial No. 577,205, Nov. 27. Class 37.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Mixture of asphalt, crushed mineral aggregate and additive used as road surfacing material. Serial No. 575,280, Nov. 27. Class 12.

Mittag & Volger, Incorporated, Park Ridge, N. J. Carbon paper and typewriter ribbons. Serial No. 607,679, Nov. 27. Class 11.

Moran, James M., doing business as Jetliner Sales Company, Chicago, Ill. Automobiles. Serial No. 612,342, Nov. 27. Class 19.

Morris, Philip, & Co. Ltd., New York, N. Y. Cigarettes. Serial No. 608,465, Nov. 27. Class 17.

Morrison Steel Products Inc., Buffalo, N. Y. Overhead retractable garage doors. Serial No. 611,713, Nov. 27. Class 12.

Mosaic Tile Company, The, Zanesville, Ohio. Floor, wall, and ceiling tiles of clay. Serial No. 596,745, Nov. 27. Class 12.

Murphy Sales Company, Atlanta, Ga. Dry cleaning detergent. Serial No. 605,524, Nov. 27. Class 52.

National Foam System, Inc., West Chester, Pa. Fire-extinguishing chemicals and compositions. Serial No. 612,343, Nov. 27. Class 6.

National Lead Company, Sayreville, N. J., and New York, N. Y. Basic silicate white lead for use in paints. Serial No. 588,316, Nov. 27. Class 16.

National Organ Supply Company, Erie, Pa. Plastic dishes. Serial No. 610,183, Nov. 27. Class 2.

National Silver Company, New York, N. Y. Ceramic dinnerware. Serial No. 599,524, Nov. 27. Class 30.

Navlen, Charles A., New York, N. Y. Radio receiving sets, television receiving sets, electric fans, etc. Serial No. 605,669, Nov. 27. Class 21.

Nielsen, C. H., Paradise, Calif. Fresh apples. Serial No. 608,466, Nov. 27. Class 46.

Nopco Chemical Company, Harrison, N. J. Detergent. Serial No. 585,677, Nov. 27. Class 52.

Nopco Chemical Company, Harrison, N. J. Sole leather wax polishes. Serial No. 606,790, Nov. 27. Class 4.

Norben, Inc., Indianapolis, Ind. Aluminum drinking tumblers. Serial No. 597,897, Nov. 27. Class 13.

Norris Inc., Atlanta, Ga. Candy mints. Serial No. 580,421, Nov. 27. Class 46.

Norris Inc., Atlanta, Ga. Mint candies. Serial No. 593,039, Nov. 27. Class 46.

Clear Fir Sales Company, Eugene, Oreg. Lumber. Serial No. 553,344, Nov. 27. Class 12.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts. Serial No. 585,744, Nov. 27. Class 39.

Columbia Commerce & Credit Corporation, New York, N. Y. Representing and acting for clients as agents. Serial No. 572,165, Nov. 27. Class 100.

Comstock, W. H., Company Limited, The, doing business under the trade name and style of The Catarrhozone Company, Montreal, Quebec, Canada, and Morristown, N. Y. Remedy for coughs, colds, etc. Serial No. 610,414, Nov. 27. Class 18.

Conard-Pyle Company, The, West Grove, Pa. Rose plants. Serial No. 610,002, Nov. 27. Class 1.

Consolidated Paper Bag Company, The, Somerville, Mass. Paper bags. Serial No. 572,088, Nov. 27. Class 2.

Continental Oil Company, Ponca City, Okla. Automobile travel information service. Serial No. 579,968, Nov. 27. Class 105.

Cortez Cigar Co., Red Lion, Pa. Cigars. Serial No. 599,862, Nov. 27. Class 17.

Coty, Inc., New York, N. Y. Cologne and toilet waters. Serial No. 606,854, Nov. 27. Class 51.

Crawford, Herman E., Kernersville, N. C. Lady's and girl's hosiery. Serial No. 607,072, Nov. 27. Class 39.

Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 501,313, Nov. 27. Class 42.

Dan River Mills, Incorporated, Danville, Ga. Sheets and pillow cases. Serial No. 614,756, Nov. 27. Class 42.

Dan River Mills, Incorporated, Danville, Ga. Sheets and pillow cases. Serial No. 614,758, Nov. 27. Class 42.

Deering, Milliken & Co., Inc., New York, N. Y. Textile piece goods. Serial No. 599,618, Nov. 27. Class 42.

Denton Corporation, The, Oakland, Calif. Transparent bags. Serial No. 575,394, Nov. 27. Class 2.

De Van, Arthur H., Jr., doing business as Durable Putty Products Co., St. Louis, Mo. Caulking compound. Serial No. 597,257, Nov. 27. Class 12.

Devilbiss Machine Company, Ferndale, Detroit, Mich. Machine tools and parts thereof. Serial No. 591,408, Nov. 27. Class 23.

Dick, A. B., Company, Niles, Ill. Lithographic plates. Serial No. 608,411, Nov. 27. Class 50.

Dicksons & Co. (Dungannon) Ltd., Dungannon, Northern Ireland. Linen fabrics in the piece. Serial No. 565,995, Nov. 27. Class 42.

Dunneen, Edward V., Chicago, Ill. Partially printed data card. Serial No. 606,971, Nov. 27. Class 37.

Donbert Co., Inc., New York, N. Y. Combination refrigerated drinking straw and stirrer. Serial No. 600,470, Nov. 27. Class 50.

Duche & Knight Limited London, England. Bone meal. Serial No. 608,593, Nov. 27. Class 46.

Duggan, Charles E., Co.: *See*—
Duggan, Charles E.

Duggan, Charles E., doing business under the fictitious firm name and style of Charles E. Duggan Co., Pomona, Calif. Lime sulfur insecticide solution and petroleum hydrocarbon weed killer. Serial No. 611,127, Nov. 27. Class 6.

Dupli-Color Products Company, Inc., Chicago, Ill. Lacquers. Serial No. 595,367, Nov. 27. Class 16.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Rubberized or plastic-coated or impregnated fabric to be used for ventilation. Serial No. 598,070, Nov. 27. Class 34.

Durable Putty Products Co.: *See*—
De Van, Arthur H., Jr.

Dyna-Shave, Inc., Chicago, Ill. Shaving cream. Serial No. 605,471, Nov. 27. Class 51.

Earth Excavators Incorporated, Tuckahoe, N. Y. Excavating, grading and paving roads, etc. Serial No. 583,033, Nov. 27. Class 103.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Chemical for making photographic stop bath. Serial No. 612,315, Nov. 27. Class 6.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Chemical for making photographic fixing bath. Serial No. 612,316, Nov. 27. Class 6.

Eaton Chemical and Dyestuff Company, Detroit, Mich. Dry water repellent concentrate. Serial No. 612,061, Nov. 27. Class 6.

Elmira Filter Tip Corporation, Elmira, N. Y. Disposable filter cigarette holders. Serial No. 606,282, Nov. 27. Class 8.

El-Tronics, Inc., Philadelphia, Pa. Capacity operated burglar and fire alarm systems; electronic burglar alarm systems, public address systems, etc. Serial No. 572,895, Nov. 27. Class 21.

Ely & Walker Dry Goods Company, St. Louis, Mo. Men's and boys' dress and work shirts. Serial No. 584,717, Nov. 27. Class 39.

Empire Brush Works, Inc., Port Chester, N. Y., now by change of name Empire Brushes, Inc. Synthetic plastic monofilament bristles for brushes. Serial No. 602,828, Nov. 27. Class 1.

Empire Brushes, Inc.: *See*—
Empire Brush Works, Inc.

Emporium Capwell Company, The, doing business as The Emporium, San Francisco, Calif. Fabric anklets, aprons, infants' bands; etc. Serial No. 586,743, Nov. 27. Class 39.

Emporium, The: *See*—
Emporium Capwell Company, The.

Etablissements Dupré Romilly-sur-Seine, France. Hosiery. Serial No. 596,785, Nov. 27. Class 39.

Executive Perfumes Limited, London and Leeds, England. After-shave lotion, hair lotion, eau de cologne, etc. Serial No. 601,665, Nov. 27. Class 51.

Federal Cigar Company, Inc., The, Red Lion, Pa. Cigars. Serial No. 611,348, Nov. 27. Class 17.

Fels and Company, Philadelphia, Pa. Dry detergent. Serial No. 609,360, Nov. 27. Class 52.

Fem-Gene Products Co., Phoenix, Ariz. Antiseptic cleansing and deodorizing douche preparations. Serial No. 587,630, Nov. 27. Class 18.

Finch, Joseph S., and Company, doing business as The Sam Thompson Pure Rye Distilling Co., New York, N. Y. Whiskey. Serial No. 610,125, Nov. 27. Class 49.

Finger Lakes Chemical Company, Inc., Ithaca and Etna: N. Y. Detergents. Serial No. 579,492, Nov. 27. Class 52.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. Serial Nos. 594,210–11, Nov. 27. Class 18.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Firmenich Incorporated, New York, N. Y. Natural or synthetic essential oils, aromatic chemicals, etc. Serial No. 605,476, Nov. 27. Class 51.

Fleischner, Nathan, doing business as Breathol Co., Nutley, N. J. Tobacco flavoring ingredient. Serial No. 610,959, Nov. 27. Class 17.

Florsheim Shoe Company, The, Chicago, Ill. Women's shoes. Serial No. 608,792, Nov. 27. Class 39.

Foley & Company, Chicago, Ill. Antibiotic anesthetic capsules. Serial No. 610,209, Nov. 27. Class 18.

Food Machinery and Chemical Corporation: *See*—
Food Machinery Corporation.

Food Machinery Corporation, now by change of name Food Machinery and Chemical Corporation, San Jose, Calif. Insecticides and fungicides. Serial No. 562,462, Nov. 27. Class 6.

For You Cosmetics: *See*—
Kolar Laboratories, Inc.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper. Serial No. 546,215, Nov. 27. Class 37.

Foster, L. W., Sportswear Co., Inc., Philadelphia, Pa. Men's and women's sport shirts and sport jackets. Serial No. 545,245, Nov. 27. Class 39.

Friedberg, Bert, Co.: *See*—
Friedberg, Bert.

Friedberg, Bert, doing business under the firm name and style of Bert Friedberg Co., San Francisco, Calif. Binoculars, field glasses, and opera or theater glasses. Serial No. 602,829, Nov. 27. Class 26.

Friedberg, Bert, doing business under the firm name and style of Bert Friedberg Co., San Francisco, Calif. Binoculars, field glasses, and opera or theater glasses. Serial No. 602,831, Nov. 27. Class 26.

Fujita, John, Watsonville, Calif. Artificial fish lures. Serial No. 605,653, Nov. 27. Class 22.

Fulbright Laboratories, Inc., Charlotte, N. C. Water softening agent. Serial No. 607,012, Nov. 27. Class 6.

Gebr. Laubscher & Co. Aktiengesellschaft, Tauffelen, Switzerland. Needles for talking machines and sound reproducing instruments. Serial No. 571,812, Nov. 27. Class 36.

General Motors Corporation, Detroit, Mich. Complete power transmission units. Serial No. 601,784, Nov. 27. Class 23.

General Steel Warehouse Co., Inc., Chicago, Ill. Builders' hardware. Serial No. 613,986, Nov. 27. Class 13.

Goldfeder, Sol, New York, N. Y. Sterling silver and silver plated flat-ware and hollow-ware. Serial No. 571,902, Nov. 27. Class 28.

Goodman & Suss Clothes Corporation, New York, N. Y. Men's and young men's coats, vests, trousers, etc. Serial No. 548,728, Nov. 27. Class 39.

Gould, Barbara, Inc., New York, N. Y. Anti-perspirant cream. Serial No. 575,051, Nov. 27. Class 51.

Greenberg Shaps Corporation, New York, N. Y. Women's hats. Serial No. 609,296, Nov. 27. Class 39.

Gulick, Robert L., Jr., doing business under the name California Favorite Foods, Berkeley, Calif. Coffee concentrate. Serial No. 609,593, Nov. 27. Class 46.

Haas, Baruch & Co., Los Angeles and Vernon, Calif. Canned fish. Serial No. 577,325, Nov. 27. Class 46.

Haas, Baruch & Co., Los Angeles, Calif. Canned crab and lobster. Serial No. 619,017, Nov. 27. Class 46.

Hachmeister-Inc., Pittsburgh, Pa. Asphalt tile and cement primer. Serial No. 607,898, Nov. 27. Class 12.

Half Moon Fruit & Produce Co., San Francisco, Calif. Fresh fruit and vegetables; dressed fresh and frozen poultry. Serial No. 608,066, Nov. 27. Class 46.

Har-Mar Seed Service: *See*—
Harper & Martin.

Harper & Martin, also doing business as Har-Mar Seed Service, Cromwell, Ind. Field and garden seeds. Serial No. 606,536, Nov. 27. Class 1.

Harrison Wholesale Company, Chicago, Ill. Removable automobile seat covers. Serial No. 612,203, Nov. 27. Class 19.

Northern Metal Products Company, Chicago, Ill. Anti skid plates. Serial No. 609,411, Nov. 27. Class 50.

Northrup, King & Co., Minneapolis, Minn. Planting seeds. Serial No. 609,564, Nov. 27. Class 1.

Nuodex Products Co., Inc., Elizabeth, N. J. Pest control compositions; compositions for agricultural pest control, etc. Serial No. 584,635, Nov. 27. Class 6.

Omega Louis Brandt & Frere, S. A., Biel, Switzerland. Watches, watch parts, and watch movements. Serial No. 596,436, Nov. 27. Class 27.

O'Neil, Carl W., Chicago, Ill. Child's tricycle. Serial No. 604,702, Nov. 27. Class 22.

Orr, Anne, Studio, Nashville, Tenn. Creating and developing designs. Serial No. 578,950, Nov. 27. Class 100.

Pacific Mills, Boston, Mass., and New York, N. Y. Rayon piece goods. Serial No. 615,079, Nov. 27. Class 42.

Palm Springs Ceramics: *See*—
Karmen, B. H.

Paradize Products Corporation, Fairview, N. J. Self-polishing floor wax. Serial No. 599,650, Nov. 27. Class 4.

Paraffine Companies, Inc., The, San Francisco, Calif., now by change of name Pebco Products, Inc. Asbestos cement shingles and sidings. Serial No. 599,339, Nov. 27. Class 12.

Parfums Eryan Inc., New York, N. Y. Perfume. Serial No. 594,919, Nov. 27. Class 51.

Patterson-Sargent Company, The, Cleveland, Ohio. Ready-mixed paints. Serial No. 607,447, Nov. 27. Class 16.

Pebco Products, Inc.: *See*—
Paraffine Companies, Inc., The.

Perry Novelty Company, Providence, R. I. Ladies' costume jewelry. Serial No. 582,387, Nov. 27. Class 28.

Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars and cuffs. Serial No. 604,385, Nov. 27. Class 39.

Piedmont Shirt Company, Greenville, S. C. Men's and boys' outer shirts, collars and cuffs. Serial No. 608,675, Nov. 27. Class 39.

Pinkham Properties, Exeter, Calif. Fresh grapes. Serial No. 555,075, Nov. 27. Class 46.

Polis, Dennis, doing business as Polly Bros., New York, N. Y. Olive oil. Serial No. 544,608, Nov. 27. Class 46.

Polly Bros.: *See*—
Polis, Dennis.

Pretty Products, Inc., Coshocton, Ohio. Bathing caps. Serial No. 586,310, Nov. 27. Class 39.

Quaker Oats Company, The, Chicago, Ill. Wheat flour. Serial No. 577,685, Nov. 27. Class 46.

Raab-Meyerhoff, M. H., Co., Inc., Philadelphia, Pa. Dress shirts and collars and combinations thereof. Serial No. 559,546, Nov. 27. Class 39.

Rabbit Packers of California, Los Angeles, Calif. Meats. Serial No. 608,894, Nov. 27. Class 46.

Radio Craftsmen, Inc., The, Chicago, Ill. Television receivers, radio receivers, and audio amplifiers. Serial No. 614,009, Nov. 27. Class 21.

Rain Control Irrigation Company, Los Angeles, Calif. Pipe coupling. Serial No. 614,163, Nov. 27. Class 13.

Ransburg, Harper J., Co., Inc., Indianapolis, Ind. Combination bottle opener and bottle cap receiver. Serial No. 608,082, Nov. 27. Class 23.

Rauh Company, The, Cincinnati, Ohio. Men's and boys' outer shirts. Serial No. 607,868, Nov. 27. Class 39.

Raybestos-Manhattan, Inc., Passaic, N. J. Brake linings and brake blocks. Serial No. 612,086, Nov. 27. Class 35.

Rayflex Fabrics, Inc., New York, N. Y. Woven elastic fabrics. Serial No. 615,082, Nov. 27. Class 42.

Raytheon Manufacturing Company, Newton, Mass. Popcorn. Serial No. 534,815, Nov. 27. Class 46.

Red Devil Tools, Irvington, N. J. Wood scrapers, wall scrapers, putty knives, etc. Serial No. 579,214, Nov. 27. Class 23.

Resnick, Julius, Inc., New York, N. Y. Ladies' and children's handbags. Serial No. 597,843, Nov. 27. Class 3.

River Valley Co., Inc., Syracuse, N. Y. Frozen foods. Serial No. 609,142, Nov. 27. Class 46.

Robinson, R. & G., Visalia, Calif. Liniment. Serial No. 612,275, Nov. 27. Class 18.

Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valves, pressure regulating valves, flow controlling valves, etc. Serial No. 611,537, Nov. 27. Class 13.

Rodana, A. G., Grenchen, Switzerland. Watches, clocks, watch movements, etc. Serial No. 603,309, Nov. 27. Class 27.

Rodgers, Ralph, White Plains, N. Y. Brief bags and cases. Serial No. 611,741, Nov. 27. Class 3.

S. P. F. Wood-Preserving Co., Inc., Cambridge, Mass. Insecticide. Serial No. 591,440, Nov. 27. Class 6.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Grass seed. Serial No. 612,035, Nov. 27. Class 1.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Lawn seed. Serial No. 612,036, Nov. 27. Class 1.

Scarlett, Wm. G., & Co.: *See*—
Scarlett, William G.

Scarves By Vera, Inc., New York, N. Y. Articles of clothing. Serial No. 607,197, Nov. 27. Class 39.

Schenley Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 606,088, Nov. 27. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Compound used in relief of head colds. Serial No. 612,511, Nov. 27. Class 18.

Schering Corporation, Bloomfield, N. J. Combination of adrenal hormones. Serial No. 610,467, Nov. 27. Class 18.

Schloss Bros. & Co. Inc., Baltimore, Md. Men's and young men's and boys' suits, coats, trousers, sport coats, etc. Serial No. 547,391, Nov. 27. Class 39.

Schoncite, Ina, Los Angeles, Calif. Jewelry. Serial No. 583,891, Nov. 27. Class 28.

Scientific Solutions, Inc., West Palm Beach, Fla. Liquid preparations for application to textiles to render them fire retardant. Serial No. 612,376, Nov. 27. Class 6.

Screens & Fabricated Metals Corp., North Bergen, N. J. Window screens. Serial No. 592,667, Nov. 27. Class 12.

Sears, Roebuck and Co., Chicago, Ill. Stock stalls, brooder houses, farrowing houses, etc. Serial No. 551,408, Nov. 27. Class 12.

Seg-Mar, Inc., New Orleans, La. Work and sport clothes. Serial No. 610,526, Nov. 27. Class 39.

Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's and boys' suits, overcoats, topcoats, etc. Serial No. 610,102, Nov. 27. Class 39.

Servomechanisms, Inc., Mineola, N. Y. Servomechanism devices and electrical devices. Serial No. 591,869, Nov. 27. Class 21.

Siegfried H., & Sons, Inc., St. Louis, Mo. Men's jackets and slacks. Serial No. 610,803, Nov. 27. Class 39.

Siegfried, H., & Sons, Inc., St. Louis, Mo. Men's and boys' trousers and slacks. Serial No. 610,805, Nov. 27. Class 39.

Signal-Stat Corporation, Brooklyn, N. Y. Vehicle directional signalling devices. Serial No. 602,915, Nov. 27. Class 21.

Sinclair Refining Company, New York, N. Y. Oil. Serial No. 612,359, Nov. 27. Class 15.

Smith, Kline & French Laboratories, Philadelphia, Pa. Analgesic. Serial No. 610,640, Nov. 27. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Anesthetic. Serial No. 610,641, Nov. 27. Class 18.

Smith, T. J. & J., Limited, London, England. Leather breast pocket wallets and billfolds, etc. Serial No. 600,088, Nov. 27. Class 3.

Snow, Elisebeth E., Portland, Oreg. Protective plastic rain cape. Serial No. 516,872, Nov. 27. Class 39.

Société à Responsibilité Limitée Cobra, Paris, France. Treating wood and wood products with chemicals to prolong the life thereof. Serial No. 609,885, Nov. 27. Class 106.

Society Brand Clothes, Inc., Chicago, Ill. Men's suits. Serial No. 585,083, Nov. 27. Class 39.

Sovereign Importers, Ltd., New York, N. Y. Champagne. Serial No. 609,497, Nov. 27. Class 47.

Special Chemicals Company, The, Cleveland, Ohio. Polyvinyl acetate emulsion. Serial No. 603,169, Nov. 27. Class 6.

Special Tobacco Co., Inc., Hillside, N. J., and New York, N. Y. Cigarettes. Serial No. 591,589, Nov. 27. Class 17.

Spencer Thermostat Company: *See*—
Metals & Controls Corporation.

Spengler-Loomis Manufacturing Company, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Pencil sharpeners and parts therefor. Serial No. 571,179, Nov. 27. Class 23.

Sperry Corporation, The: *See*—
Sperry Gyroscope Company, Inc.

Sperry Gyroscope Company, Inc., Brooklyn, N. Y., now by merger The Sperry Corporation. Electrical high frequency apparatus. Serial No. 477,081, Nov. 27. Class 21.

Spliced wood Corporation, Mellen, Wis. Plywood. Serial No. 588,115, Nov. 27. Class 12.

Star Metal Manufacturing Co., Inc., Philadelphia, Pa. Coffee brewing urns and parts thereof. Serial No. 608,048, Nov. 27. Class 34.

Steele, J. W., & Co., North Kansas City, Mo. Garment ironing accessory. Serial No. 533,077, Nov. 27. Class 24.

Stepan Chemical Company, Chicago, Ill. Liquid skin cleansing detergent. Serial No. 564,300, Nov. 27. Class 52.

Stimson Lumber Company, Forest Grove, Oreg. Wallboard. Serial No. 585,349, Nov. 27. Class 12.

Superior Beverage Company, The, Youngstown, Ohio. Bottled wines. Serial No. 611,664, Nov. 27. Class 47.

Taylor, Merritt I., Atlee, Va. Honey. Serial No. 599,199, Nov. 27. Class 46.

Technicon Chemical Company, Inc., New York, N. Y. Liquid for removing paraffin from histological tissue specimens. Serial No. 612,185, Nov. 27. Class 6.

Texas Company, The, Dover, Del., and New York, N. Y. Diesel fuel. Serial No. 611,158, Nov. 27. Class 15.

Texas Planting Seed Association, Bryan, Tex. Planting seed. Serial No. 606,342, Nov. 27. Class 1.

Theodor, Inc., Los Angeles, Calif. Handbags. Serial No. 609,951, Nov. 27. Class 3.

Thompson, Paul, Associates, Stamford, Conn. Nutritional preparation containing amino acids and vitamins. Serial No. 596,459, Nov. 27. Class 18.

Thompson, Sam, Pure Rye Distilling Co., The: *See*—
Finch, Joseph S., and Company.

Thread Compounds Manufacturing Company, Gardena, Calif. Tool joint compound. Serial No. 591,966, Nov. 27. Class 12.

Timber Tie Company: *See*—
Lange, Bert.

Titus Blatter & Co., New York, N. Y. Drapery and upholstery fabrics. Serial No. 614,999, Nov. 27. Class 42.

Tolheim Oil Tank and Pump Company, Fort Wayne, Ind. Oil, liquid, and fuel measuring and dispensing pumps. Serial No. 579,522, Nov. 27. Class 26.

Towles Limited, Loughborough, England. Hosiery. Serial No. 597,241, Nov. 27. Class 39.

Trabert & Hoeffer Inc., New York, N. Y. Emeralds and precious stones. Serial No. 590,766, Nov. 27. Class 28.

Trayford Fabrics, Inc., New York, N. Y. Fabrics. Serial No. 599,991, Nov. 27. Class 42.

Tropco Paint, Inc.: *See*—
Tropical Paint Manufacturing Company, Inc.

Tropical Paint Manufacturing Company, Inc., Tampa, Fla., now by change of name Tropco Paint, Inc. Inside and outside ready mixed paints. Serial No. 560,065, Nov. 27. Class 16.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 543,545, Nov. 27. Class 2.

Union Oil Company of California, Los Angeles, Calif. Repairing tires, cleaning spark plugs, changing and repairing tires, etc. Serial No. 535,276, Nov. 27. Class 103.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial Nos. 616,345–8, Nov. 27. Class 22.

United States Rubber Company, New York, N. Y. Woolen fabrics. Serial No. 599,724, Nov. 27. Class 42.

Universal Sports Corporation, New York, N. Y. Caps, shoes, stockings, etc. Serial No. 603,823, Nov. 27. Class 39.

Upjohn Company, The, Kalamazoo, Mich. Repository medicinal preparation. Serial No. 612,187, Nov. 27. Class 18.

Veg-A-Peel Co., Algonac, Mich. Portable electrically operated vegetable peelers. Serial No. 582,366, Nov. 27. Class 21.

Vitreous Steel Products Co., Cleveland, Ohio. Vitreous enameled metal shower bath cabinets and combination top and back splashers. Serial No. 602,236, Nov. 27. Class 13.

Vimco Macaroni Products Company, Carnegie, Pa. Macaroni. Serial No. 600,237, Nov. 27. Class 46.

W-B Chemical Company, Inc., South Mount Vernon, N. Y. Soapless shampoo. Serial No. 563,646, Nov. 27. Class 52.

Warner-Hudnut, Inc., New York, N. Y. Drug having physostigmine action. Serial No. 612,476, Nov. 27. Class 18.

Washington Manufacturing Company, Nashville, Tenn. Men's and boys' clothing. Serial No. 611,319, Nov. 27. Class 39.

Weinbrenner, Albert H., Co., Milwaukee, Wis. Shoes. Serial No. 569,113, Nov. 27. Class 39.

Weitz, S., & Co., Inc., Cleveland, Ohio. Women's and misses', boys', youths' and men's raincoats, topcoats and overcoats. Serial Nos. 610,940–1, Nov. 27. Class 39.

West Disinfecting Company, Long Island City, N. Y. Preservative in the nature of a varnish; varnish like preparation. Serial No. 611,670, Nov. 27. Class 16.

Western Auto Stores: *See*—
Western Auto Supply Company.

Western Auto Supply Company, doing business as Western Auto Stores, Kansas City, Mo. Services rendered in connection with automobiles. Serial No. 562,234, Nov. 27. Class 103.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. High conductivity, heat resistant, creep resistant, brazing, and magnetic alloys; metal welding rods; ferrous and non-ferrous base casting, etc. Serial No. 606,100, Nov. 27. Class 14.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Electric ironing machines and parts therefor, laundry washing machines and parts therefor, etc. Serial No. 606,103, Nov. 27. Class 24.

Wile, M., & Company, Inc., Buffalo, N. Y. Men's and boys' overcoats, topcoats, suits, etc. Serial No. 611,986, Nov. 27. Class 39.

Willson Products, Inc., Reading, Pa. Ophthalmic and protection lenses. Serial No. 617,173, Nov. 27. Class 26.

Willys-Overland Motors, Inc., Toledo, Ohio. Automotive vehicles and structural parts thereof. Serial No. 482,513, Nov. 27. Class 19.

Wilson-Imperial Company, Newark, N. J. Preparation for removing paint or varnish. Serial No. 564,037, Nov. 27. Class 16.

Winter & Company, Inc., New York, N. Y. Pianos. Serial No. 589,754, Nov. 27. Class 36.

Wyeth Incorporated, Philadelphia, Pa. Pregnenolone acetate in dosage form. Serial No. 610,351, Nov. 27. Class 18.

Y & N Manufacturing Company, Inc., The, Wooster, Ohio. Portable fluid-tight sheet metal box. Serial No. 572,788, Nov. 27. Class 2.

Zell Bros., Portland, Oreg. Watches. Serial No. 598,771, Nov. 27. Class 27.

Zerega's, A., Sons, Inc., Brooklyn, N. Y. Macaroni. Serial No. 611,931, Nov. 27. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Aberfoyle Manufacturing Company, Chester, Pa. Yarns. 551,347, Nov. 27; Serial No. 608,402, published Sept. 4, 1951. Class 43.

Aceites Bau, S. A., Madrid, Spain. Olive oil. 551,195, Nov. 27; Serial No. 561,706, published July 10, 1951. Class 46.

Acme-Evans Company: *See*—
Noblesville Milling Co.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. 551,275, Nov. 27; Serial No. 594,938, published July 24, 1951. Class 39.

Adamo Co.: *See*—
Adamo, Joseph M.

Adamo, Joseph M., doing business under the fictitious name and style of Adamo Co., Los Angeles, Calif. Woven carpets. 551,355, Nov. 27; Serial No. 610,399, published Sept. 4, 1951. Class 42.

Adler and Son, Bayonne, N. J. Rug cleaning and upholstery cleaning service. 551,360, Nov. 27; Serial No. 534,585, published Aug. 28, 1951. Class 103.

Adrosol Company, The, Detroit, Mich., to Herden Chemical Corporation, New York, N. Y. Medicine. 281,066, renewed March 10, 1951. O. G. Nov. 27. Class 18.

Agfa Ansco Corporation, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic paper. 288,823, renewed Nov. 3, 1951. O. G. Nov. 27. Class 26.

Agfa Camera Werk Munchen: *See*—
Alfa Photo Corp.

Air Reduction Company, Incorporated, New York, N. Y., by merger with Pure Carbonic, Incorporated. Metal tanks. 551,170, Nov. 27; Serial No. 507,075, published Aug. 14, 1951. Class 2.

Akro Agate Company, The, Akron, Ohio, to Master Glass Company, Clarksburg, W. Va. Playing-marbles. 83,121, re-renewed Aug. 22, 1951. O. G. Nov. 27. Class 22.

Albatross-Franz Mayer Corp, Long Island City, N. Y. Ladies' raincoats. 551,286, Nov. 27; Serial No. 597,724, published Aug. 28, 1951. Class 39.

Alfa Photo Corp., New York, N. Y., assignor to Agfa Camera Werk Munchen, Munich, Germany. Cameras. 551,259, Nov. 27; Serial No. 590,967, published May 1, 1951. Class 26.

Allied Aviation Supplies Co., Oklahoma City, Okla. Outer cardboard or paper envelopes. 551,228, Nov. 27; Serial No. 582,117, published Aug. 28, 1951. Class 2.

Allied Chemical & Dye Corporation, New York, N. Y. Unitary dehumidifiers. 551,220, Nov. 27; Serial No. 577,467, published Aug. 21, 1951. Class 34.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve apparatus. 551,254, Nov. 27; Serial No. 589,296, published Aug. 28, 1951. Class 13.

Ahmco Products, Incorporated, Cambridge, Mass. Children's T shirts. 551,294, Nov. 27; Serial No. 598,446, published July 3, 1951. Class 39.

Aluminum Industries, Inc., Cincinnati, Ohio. Gate valves and bolts. 288,555, renewed Nov. 3, 1951. O. G. Nov. 27. Class 13.

Aluminum Industries, Inc., Cincinnati, Ohio. Alloy castings. 288,896, renewed Nov. 10, 1951. O. G. Nov. 27. Class 14.

American Beauty Macaroni Co., The, Kansas City, Mo. Macaroni. 551,327, Nov. 27; Serial No. 605,291, published Aug. 28, 1951. Class 46.

American Beauty Macaroni Co., The, Kansas City, Mo. Shell-shaped macaroni. 551,328, Nov. 27; Serial No. 605,292, published Aug. 28, 1951. Class 46.

American Machine and Foundry Company, New York, N. Y. Commercial and industrial baking ovens. 551,212, Nov. 27; Serial No. 574,806, published Aug. 14, 1951. Class 34.

Cooley, Incorporated: *See*—
Cooley Finishing Company, The.

Corn Products Refining Company, New York, N. Y. Corn flour and cornstarch. 551,203, Nov. 27; Serial No. 565,236, published July 24, 1951. Class 46.

Crawford, Carol, Inc., New York, N. Y. Misses' dresses and play suits. 551,308, Nov. 27; Serial No. 602,142, published Sept. 4, 1951. Class 39.

Cross, W. W., & Company, Incorporated, Portland, Maine, to W. W. Cross & Company, Incorporated, East Jaffrey, N. H. Tacks. 286,989, renewed Sept. 8, 1951. O. G. Nov. 27. Class 13.

Crystal Tube Corporation, Chicago, Ill. Cartons, bags, tubes, etc. 551,213, Nov. 27; Serial No. 575,125, published Aug. 28, 1951. Class 2.

Darlington Fabrics Corporation, New York, N. Y. Piece goods, wide elastic webbings, and wide elastic sheetings. 352,915, Dec. 14, 1937. Republished Nov. 27. Class 42.

Davidoff, Max, doing business as Gilmar Hosiery Company, New York, N. Y. Hosiery. 551,211, Nov. 27; Serial No. 574,217, published Aug. 28, 1951. Class 39.

Davis, Jack, New York, N. Y. Ladies' scarfs. 551,331, Nov. 27; Serial No. 605,633, published July 31, 1951. Class 39.

Dawnwood Farms: *See*—
Long, Dorothy A.

Dean Rubber Manufacturing Company, to Wilbur J. Dean, North Kansas City, Mo. Prophylactic rubber articles. 287,568, renewed Sept. 29, 1951. O. G. Nov. 27. Class 44.

Dean, Wilbur J.: *See*—
Dean Rubber Manufacturing Company.

Deerfield Groves Company, Wabasso, Fla. Fresh citrus fruit. 444,416, Feb. 20, 1951. Republished Nov. 27. Class 46.

De Groff, Kenneth C., South Bend, Ind. Photographs. 551,387, Nov. 27; Serial No. 586,525. Class 38.

Denver Fire Clay Company, The, Denver, Colo. Refractory lined, melting furnaces. 551,234, Nov. 27; Serial No. 584,479, published Aug. 14, 1951. Class 34.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Circular saw blades. 551,237, Nov. 27; Serial No. 585,748, published July 31, 1951. Class 23.

Ditto, Incorporated, Chicago, Ill. Sensitized printing mats. 551,320, Nov. 27; Serial No. 604,573, published Aug. 14, 1951. Class 26.

Dr. Pepper Company, Dallas, Tex. Non-alcoholic, maltless beverages. 551,375, Nov. 27; Serial No. 561,659. Class 45.

Donath, Henry, doing business under the fictitious name of Preview Sportswear, Los Angeles, Calif. Women's apparel. 551,246, Nov. 27; Serial No. 588,012, published Sept. 4, 1951. Class 39.

Duracraft Knitwear Company, Perry, N. Y. Men's, women's and children's jerseys, T-shirts, and sweat shirts. 551,204, Nov. 27; Serial No. 568,244, published July 3, 1951. Class 39.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. 551,193, Nov. 27; Serial No. 560,609, published July 10, 1951. Class 46.

Einborn Brothers, Inc., Philadelphia, Pa. Frocks. 551,349–50, Nov. 27; Serial Nos. 608,594–5, published Sept. 4, 1951. Class 39.

Ellis, Ann, Hollywood, Calif. Collapsible baskets. 551,227, Nov. 27; Serial No. 581,411, published May 29, 1951. Class 2.

Empire State Pickling Co., Phelps, N. Y. Canned sauerkraut. 551,251, Nov. 27; Serial No. 588,857, published Aug. 7, 1951. Class 46.

Emporium World Millinery Co., Chicago, Ill. Ladies' hats. 551,335, Nov. 27; Serial No. 606,518, published Aug. 21, 1951. Class 39.

Emporium World Millinery Co., Chicago, Ill. Ladies' hats. 551,336, Nov. 27; Serial No. 606,519, published July 31, 1951. Class 39.

Emporium World Millinery Co., Chicago, Ill. Women's hats. 551,337, Nov. 27; Serial No. 606,522, published Aug. 21, 1951. Class 39.

Essex, Philip R., doing business as Saps Bakery and Sap's Bakery, Columbus, Ind. Donuts and pies. 551,263, Nov. 27; Serial No. 591,773, published July 17, 1951. Class 46.

Etchison Hat Company, Inc., Richmond, Va. Men's and boys' hats. 551,282, Nov. 27; Serial No. 596,017, published July 24, 1951. Class 39.

Eton Products, Inc., Newark, N. J., to Lemmon Pharmacal Co., Sellersville, Pa. Pharmaceutical mouth wash. 285,773, renewed Aug. 4, 1951. O. G. Nov. 27. Class 18.

Eutaw Tailoring Co., The: *See*—
Bloom, Nick, Inc.

Farlo Industries, Inc., Cincinnati, Ohio. Edible cones. 551,190, Nov. 27; Serial No. 558,782, published Aug. 7, 1951. Class 46.

Fat Men's Shop, Inc., New York, N. Y. Men's dress shirts, work shirts, undershirts, etc. 551,222, Nov. 27; Serial No. 577,668, published July 24, 1951. Class 39.

Ferguson, Roy C., doing business as River Rest Farms, Shawnee, Okla. Dressed turkeys. 551,270, Nov. 27; Serial No. 594,027, published July 24, 1951. Class 46.

Ferro Enamel Corporation, Cleveland, Ohio. Glazed and enameled frit and clay. 545,912, July 31, 1951. Corrected. O. G. Nov. 27. Class 1.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 551,380, Nov. 27; Serial No. 579,271. Class 1.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 551,385, Nov. 27; Serial No. 586,218. Class 1.

Firth Sterling Steel & Carbide Corp.: *See*—
Firth-Sterling Steel Company.

Firth-Sterling Steel Company, McKeesport, by Firtb Sterling Steel & Carbide Corp., Pittsburgh, Pa. High-speed cutting steel. 84,223, Nov. 21, 1911. Republished Nov. 27. Class 14.

Fischer & Porter Company, Hatboro, Pa. Fluid flow indicating and recording instruments, flow controllers, etc. 551,206, Nov. 27; Serial No. 569,679, published July 31, 1951. Class 26.

Fisk, D. B., & Company, Chicago, Ill. Women's and misses' hats. 551,285, Nov. 27; Serial No. 597,200, published July 24, 1951. Class 39.

Fitts Dry Goods Company, Kansas City, Mo. Men's and boys' overalls and dungarees. 551,389, Nov. 27; Serial No. 587,542. Class 39.

Food Machinery and Chemical Corporation: *See*—
Food Machinery Corporation.
Niagara Sprayer and Chemical Co., Inc.

Food Machinery Corporation, now by change of name Food Machinery and Chemical Corporation, San Jose, Calif. Light beam indicating apparatus for checking and measuring wheel alignment characteristics of automotive vehicles. 551,179, Nov. 27; Serial No. 543,160, published July 24, 1951. Class 26.

Forest Farms Products: *See*—
Moore, Robert P.

Friden Calculating Machine Co., Inc., San Leandro, Calif. Calculating machines. 551,232, Nov. 27; Serial No. 583,598, published July 31, 1951. Class 26.

Friedman, Sol, & Sons, New York, N. Y. Slips and slips provided with breast pads. 551,287, Nov. 27; Serial No. 597,825, published Sept. 4, 1951. Class 39.

Frito Company, The, Dallas, Tex. Sealing machines. 551,225, Nov. 27; Serial No. 581,128, published July 31, 1951. Class 23.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 551,311, Nov. 27; Serial No. 603,360, published Aug. 28, 1951. Class 42.

G & G Novelties, Inc., New York, N. Y. Window curtains, pillow shams, bedspreads, etc. 551,352, Nov. 27; Serial No. 609,294, published Sept. 4, 1951. Class 42.

Gabilla, Incorporated, New York, N. Y., to Les Parfumeries de Gabilla, Société Anonyme, Paris, France. Perfume, toilet water, face powder, etc. 284,556, renewed July 7, 1951. O. G. Nov. 27. Class 51.

Gabilla, Incorporated, New York, N. Y., to Les Parfumeries de Gabilla, Société Anonyme, Paris, France. Perfume, toilet water, talcum powder, etc. 284,951, renewed July 14, 1951. O. G. Nov. 27. Class 51.

Gabilla, Incorporated, New York, N. Y., to Les Parfumeries de Gabilla, Société Anonyme, Paris, France. Perfume, toilet water, face powder, etc. 287,376, renewed Sept. 22, 1951. O. G. Nov. 27. Class 51.

Gemological Institute of America, Los Angeles, Calif. Dark-field illuminators for gems. 551,185, Nov. 27; Serial No. 553,840, published July 24, 1951. Class 26.

General Aniline & Film Corporation: *See*—
Agfa Ansco Corporation.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Wheat flour. 551,242, Nov. 27; Serial No. 587,103, published Aug. 7, 1951. Class 46.

General Motors Corporation: *See*—
General Motors Radio Corporation.

General Motors Radio Corporation, Dayton, Ohio, to General Motors Corporation, Detroit, Mich. Radio receiving sets and parts thereof. 283,227, renewed May 19, 1951. O. G. Nov. 27. Class 21.

Geuder, Paeschke & Frey Co., Milwaukee, Wis. Grease pails. 551,186, Nov. 27; Serial No. 554,374, published Jan. 2, 1951. Class 2.

Gilmar Hosiery Company: *See*—
Davidoff, Max.

Glaser's Provisions Co. Inc., Omaha, Nebr. Cooked pork shoulder picnics. 551,260, Nov. 27; Serial No. 591,570, published Aug. 28, 1951. Class 46.

Glendora Citrus Association, Glendora, Calif. Fresh citrus fruits. 551,182, Nov. 27; Serial No. 552,650, published July 10, 1951. Class 46.

Glitsch, Fritz W., & Sons, Inc., Dallas, Tex. Oil refining and fractionating apparatus. 551,283, Nov. 27; Serial No. 596,662, published Aug. 7, 1951. Class 23.

Gluckin, Wm., & Co., Inc., New York, N. Y. Brassières. 444,606, Nov. 27; Serial No. 524,181, published Sept. 4, 1951. Class 39.

Graham, Bernard, Pittsburgh, Pa. Glass dish. 551,392, Nov. 27; Serial No. 596,841. Class 33.

Gravenstein Apple Growers Cooperative Association of Sonoma County, Sebastopol, Calif. Fresh apples. 263,571, Nov. 5, 1929. Republished Nov. 27. Class 46.

Guest, James D., doing business as The TruGrape Co., Duncan, Okla. Nonalcoholic maltless beverage. 551,374, Nov. 27; Serial No. 558,388. Class 45.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 551,324, Nov. 27; Serial No. 604,780, published Aug. 28, 1951. Class 2.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 551,325, Nov. 27; Serial No. 604,782, published Aug. 28, 1951. Class 2.

Gump, S. & G., Company, San Francisco, Calif., assignor to Gump's, Inc. Wooden bowls, wooden plates, and wooden serving tools. 551,218, Nov. 27; Serial No. 576,533, published Sept. 4, 1951. Class 2.

Gump's, Inc., assignee: *See*—
Gump, S. & G., Company.

Gustinettes Incorporated, New York, N. Y. Women's evening shoes and slippers. 551,398, Nov. 27; Serial No. 601,143. Class 39.

H & H Distributing Company, Inc., Chicago, Ill. Wines. 551,403, Nov. 27; Serial No. 604,199. Class 47.

Haloid Company, The, Rochester, N. Y. Electrophotographic copying machines, plates, transfer paper, etc. 551,230, Nov. 27; Serial No. 582,684, published July 24, 1951. Class 26.

Hanes Hosiery Mills Company, Winston-Salem, N. C., and New York, N. Y. Ladies' hosiery. 551,396–7, Nov. 27; Serial No. 601,037–8. Class 39.

Hanna Stoker Company, The, Cincinnati, Ohio. Locomotive stokers and parts thereof. 551,188, Nov. 27; Serial No. 557,525, published Aug. 7, 1951. Class 34.

Hartman Beverage Company, Knoxville, Tenn. Nonalcoholic, maltless beverages. 551,400, Nov. 27; Serial No. 602,197. Class 45.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 551,315, Nov. 27; Serial No. 603,925, published July 31, 1951. Class 39.

Hays Corporation, The, Michigan City, Ind. Gas analyzer. 551,199, Nov. 27; Serial No. 563,617, published July 31, 1951. Class 26.

Helland Research Corporation, Denver, Colo. Flashlight synchronizing apparatus. 551,177, Nov. 27; Serial No. 540,279, published July 24, 1951. Class 26.

Heller Brothers Company, Newark, N. J. Files. 551,241, Nov. 27; Serial No. 586,971, published Aug. 14, 1951. Class 23.

Heintz Manufacturing Company, Philadelphia, Pa. Metallic kegs. 551,296, Nov. 27; Serial No. 598,727, published Aug. 28, 1951. Class 2.

Heyden Chemical Corporation: *See*—
Adrosol Company, The.

Hirsch, Charles, & Co. Inc., New York, N. Y. Women's combination garments. 551,339, Nov. 27; Serial No. 607,221, published Sept. 4, 1951. Class 39.

Hoblitzelle, Karl, Dallas, Tex. Fresh citrus fruits. 551,267, Nov. 27; Serial No. 592,567, published July 24, 1951. Class 46.

House of Bauer, The, doing business as "Bauer's," Lincoln, Nebr. Candy. 551,340, Nov. 27; Serial No. 607,251, published Sept. 4, 1951. Class 46.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Manually-operated sprayers. 551,307, Nov. 27; Serial No. 601,917, published July 31, 1951. Class 23.

Hygrade Food Products Corporation, New York, N. Y. Frankfurters, smoked sausage, pigs feet, etc. 551,180, Nov. 27; Serial No. 546,391, published July 10, 1951. Class 46.

Iliff-Bruff Chemical Company, The, Hoopeston, Ill., to Monsanto Chemical Company, St. Louis, Mo. Anhydrous calcium sulphate to be used as a cleaning and polishing agent in dentifrices. 287,365, renewed Sept. 22, 1951. O. G. Nov. 27. Class 51.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Milling machines. 551,346, Nov. 27; Serial No. 608,396, published July 31, 1951. Class 23.

International Corset Company, Aurora, Ill. Corsets and combination corsets and brassières. 286,674, renewed Sept. 1, 1951. O. G. Nov. 27. Class 39.

International Felt Corp., Emmaus and Philadelphia, Pa. Felt floor covering. 551,386, Nov. 27; Serial No. 586,283. Class 12.

International Nickel Company, Inc., The, New York, N. Y. Ferrous castings. 551,343, Nov. 27; Serial No. 607,430, published Aug. 28, 1951. Class 14.

International Nickel Company, Inc., The, New York, N. Y. Ferrous castings. 551,344, Nov. 27; Serial No. 607,432, published Aug. 28, 1951. Class 14.

Isaacs, I. C., & Co., Inc., Baltimore, Md. Dungarees and slacks. 551,187, Nov. 27; Serial No. 557,359, published July 31, 1951. Class 39.

Jackson, Peter, (Overseas) Limited: *See*—
Jackson, Peter, (Tobacco Manufacturer) Limited.

Jackson, Peter, (Tobacco Manufacturer) Limited, to Peter Jackson (Overseas) Limited, London, England. Cigarettes. 290,532, renewed Jan. 5, 1952. O. G. Nov. 27. Class 17.

Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. 551,399, Nov. 27; Serial No. 602,094. Class 28.

James, Emanuel M., doing business as Service Poultry Market, Chicago, Ill. Dressed poultry. 551,198, Nov. 27; Serial No. 562,936, published July 10, 1951. Class 46.

Jawine Co.: *See*—
Jawine Co., The.

Jawine Co., The, also known as Jawine Co., New York, N. Y. Angora yarn. 551,240, Nov. 27; Serial No. 586,284, published June 27, 1950. Class 43.

Jewel Foliage Company, San Antonio, Tex. Flowers and ferns. 551,401, Nov. 27; Serial No. 602,201. Class 1.

Jewell Water Company, Chicago, Ill. Spring water, and carbonated nonalcoholic, noncereal, maltless beverages. 551,379, Nov. 27; Serial No. 577,576. Class 45.

Johnson, Howard D., Company, Quincy, Mass. Chocolate covered patties. 551,255, Nov. 27; Serial No. 589,319, published Aug. 21, 1951. Class 46.

Jordan Electrical Manufacturing Company, Minneapolis, Minn. Battery testers. 551,264, Nov. 27; Serial No. 592,150, published July 31, 1951. Class 26.

Journeymen Barbers, Hairdressers and Cosmetologists' International Union of America, The, Indianapolis, Ind. Cutting and setting of hair, the creating of permanent waves, etc. 551,369, Nov. 27; Serial No. 550,005, published Aug. 28, 1951. Class 100.

Juvenia Watch Agency, Inc., New York, N. Y. Watches, watch cases and parts thereof. 551,413, Nov. 27; Serial No. 616,176. Class 27.

Kanner, Joseph, Hat Co., Inc., South Norwalk, Conn. Men's hats. 551,229, Nov. 27; Serial No. 582,531, published July 24, 1951. Class 39.

Kay Electric Company, Pine Brook, N. J. Special oscillator unit or apparatus. 551,210, Nov. 27; Serial No. 573,555, published July 24, 1951. Class 26.

Kaylon Incorporated, New York, N. Y. Ladies' pajamas, pajama coats, beach coats, etc. 551,297, Nov. 27; Serial No. 599,438, published Aug. 28, 1951. Class 39.

Keller, Charles F., doing business as The Keller Company, to The Keller Company, Mechanicsburg, Ohio. Diuretic, in tablet form. 285,638, renewed Aug. 4, 1951. O. G. Nov. 27. Class 18.

Keller Company, The: *See*—
Keller, Charles F.

Kellogg Company, Battle Creek, Mich. Inner bag liner. 551,407, Nov. 27; Serial No. 607,175. Class 2.

Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Ready mixed paints. 551,370, Nov. 27; Serial No. 474,035. Class 16.

Key City Packing Co., Port Townsend, by Pacific American Fisheries, Inc., Bellingham, Wash. Canned salmon. 82,803, July 25, 1911. Republished Nov. 27. Class 46.

King, John, & Son Limited, Glasgow, Scotland. Window hollands. 551,197, Nov. 27; Serial No. 562,782, published Sept. 4, 1951. Class 42.

Knapp-Monarch Company, St. Louis, Mo. Filled deodorant dispensers. 551,376, Nov. 27; Serial No. 567,918. Class 6.

Koepplinger's Bakery, Detroit, Mich. Bread. 551,341, Nov. 27; Serial No. 607,255, published Sept. 4, 1951. Class 46.

Kress, S. H., and Company, New York, N. Y. Playing cards. 551,357–8, Nov. 27; Serial Nos. 614,990–1, published Aug. 28, 1951. Class 22.

Krout's, William, Sons, Chalfont, Pa. Poultry and livestock feed supplement. 551,274, Nov. 27; Serial No. 594,906, published July 31, 1951. Class 46.

La France Productions: *See*—
La France, René J.

La France, René J., doing business as La France Productions, San Diego, Calif. Photographic masks. 551,245, Nov. 27; Serial No. 587,956, published July 24, 1951. Class 26.

Lamport Co., Inc., The, New York, N. Y. Piece goods. 551,236, Nov. 27; Serial No. 585,452, published Sept. 4, 1951. Class 42.

Lamson and Goodnow Manufacturing Company, Shelburne Falls, Mass. Butchers', bakers', druggists', and painters' tools. 551,176, Nov. 27; Serial No. 534,453, published July 31, 1951. Class 23.

Lemmon Pharmacal Co.: *See*—
Eton Products, Inc.

Lennox Furnace Company, Marshalltown, Iowa. Furnaces. 288,058, renewed Oct. 20, 1951. O. G. Nov. 27. Class 34.

Les Parfumeries de Gabilla, Société Anonyme: *See*—
Gabilla, Incorporated.

Levse Aluminum Company, Kewaunee, Wis. Aluminum kitchen and serving utensils. 285,976, renewed Aug. 11, 1951. O. G. Nov. 27. Class 13.

Long, Dorothy A., doing business as Dawnwood Farms, Amenia, N. Y. Concentrated calf feed. 551,378, Nov. 27. Serial No. 576,544. Class 46.

Lowe, Joe, Co. Inc., Brooklyn, by Joe Lowe, Corporation, New York, N. Y. Dehydrated whole eggs, dehydrated egg yolk, etc. 288,196, Oct. 20, 1931. Republished Nov. 27. Class 46.

Lowe, Joe, Corporation: *See*—
Lowe, Joe, Co Inc.
Popsicle Corporation of the United States, The.

Macy, R. H., & Co., Inc.: *See*—
Bamberger, L., & Co.

Maltex Company, Burlington, Vt. Breakfast cereal. 551,244, Nov. 27; Serial No. 587,641, published July 10, 1951. Class 46.

Manhattan Novelty Corporation, New York, N. Y. Binoculars. 551,309, Nov. 27; Serial No. 602,268, published July 31, 1951. Class 26.

Maple Flooring Manufacturers Association, Chicago, Ill. Lumber. 364,463, Jan. 31, 1939. Republished Nov. 27, 1951. Class 12.

Maple Island Farm, Inc.: *See*—
Maple Island, Inc.

Maple Island, Inc., Stillwater, Minn., by change of name from Maple Island Farm, Inc. Canned infant food. 551,257, Nov. 27; Serial No. 590,380, published Sept. 4, 1951. Class 46.

Marcor, Inc., Evanston, Ill. Polyethylene plastic gusseted food saver and sandwich bags. 551,223, Nov. 27; Serial No. 578,458, published Aug. 28, 1951. Class 2.

Marion County Greenhouse Growers, Inc., Indianapolis, Ind. Fresh whole tomatoes and leaf lettuce. 551,306, Nov. 27; Serial No. 601,803, published July 31, 1951. Class 46.

Martin Specialty Company: *See*—
Martin, William A.

Martin, William A., doing business as Martin Specialty Company, Grand Island, Nebr. Pocket cases, envelopes and similar items for carrying fishing leaders. 551,382, Nov. 27; Serial No. 580,417. Class 22.

Master Glass Company: *See*—
Akro Agate Company, The.

McCoy, Jones & Company, Inc.: *See*—
Thread Mills Company, The.

McCullough, David S., doing business as Versa-Mil Company, New York, N. Y. Motorized tools. 551,256, Nov. 27; Serial No. 589,734, published July 31, 1951. Class 23.

McKinley Manufacturing Co., Inc., Prichard, Ala. Men's and boys' clothing. 551,171, Nov. 27; Serial No. 524,435, published July 31, 1951. Class 39.

Meat Products Company, The, Cleveland, Ohio. Dog food. 551,330, Nov. 27; Serial No. 605,600, published July 24, 1951. Class 46.

Merit Clothing Company, Mayfield, Ky. Men's suits. 551,410, Nov. 27; Serial No. 610,752. Class 39.

Merrimack Manufacturing Company, Lowell, Mass. Piece goods. 551,239, Nov. 27; Serial No. 586,100, published Sept. 4, 1951. Class 42.

Metal Carrier Corp., Grand Rapids, Mich. Metal cases. 551,288, Nov. 27; Serial No. 597,892, published Aug. 28, 1951. Class 2.

Millen, James, Manufacturing Company, Inc., Malden, Mass. Component parts for electronic meters and laboratory measuring instruments. 551,173, Nov. 27; Serial No. 530,669, published July 24, 1951. Class 26.

Miller Company, The, Meriden, Conn. Electric lighting fixtures and lamps. 286,189, renewed Aug. 18, 1951. O. G. Nov. 27. Class 21.

Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric gas burner control. 551,207, Nov. 27; Serial No. 570,510, published July 31, 1951. Class 26.

Mixtone Products Company, Los Angeles, Calif. Emulsifier and stabilizer. 551,383, Nov. 27; Serial No. 582,796. Class 46.

Molitor, Carl S., Miami, Fla. Empty containers. 551,201, Nov. 27; Serial No. 564,241, published Aug. 28, 1951. Class 2.

Monsanto Chemical Company: *See*—
Iliff-Bruff Chemical Company, The.

Montana Flour Mills Company, Great Falls, Mont. Wheat offal. 551,318, Nov. 27; Serial No. 604,379, published July 31, 1951. Class 46.

Moore, John Hudson, Inc.: *See*—
Sasieni London, Ltd.

Moore, Robert P., doing business as Forest Farms Products, Rochester, Ind. Salt and buttermilk feed. 551,252, Nov. 27; Serial No. 589,108, published July 24, 1951. Class 46.

Morgalite Corporation, New York, N. Y. Quilted plastic film. 551,393, Nov. 27; Serial No. 598,489. Class 42.

Morris, John M., Atlanta, Ga. Fountain pens. 551,406, Nov. 27; Serial No. 606,880. Class 37.

National Cylinder Gas Company, Chicago, Ill. Cutting, scarfing and similar thermo-chemical metal removing apparatus. 551,189, Nov. 27; Serial No. 558,501, published Sept. 4, 1951. Class 34.

National Radiator Company, The: *See*—
National Radiator Corporation.

National Radiator Corporation, to The National Radiator Company, Johnstown, Pa. Heating radiators and convectors. 290,837, renewed Jan. 19, 1952. O. G. Nov. 27. Class 34.

Naugatuck Chemical Company, The, by United States Rubber Company, New York, N. Y. Condensation product of formaldehyde and ethylamine. 285,004, July 14, 1931. Republished Nov. 27. Class 1.

Neo: *See*—
Olin, Norman E.

Neville, Ames Harris, Co., San Francisco, Calif. Bags. 288,591, Nov. 3, 1931. Republished Nov. 27. Class 2.

Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y., to Food Machinery and Chemical Corporation, San Jose, Calif. Dusting machine. 288,707, renewed Nov. 3, 1951. O. G. Nov. 27. Class 23.

Noblesville Milling Co., Noblesville, to Acme-Evans Company, Indianapolis, Ind. Wheat flour. 289,739, renewed Dec. 1, 1951. O. G. Nov. 27. Class 46.

Nolde and Horst Company, The, Reading, Pa. Women's hosiery. 551,334, Nov. 27; Serial No. 606,479, published Aug. 28, 1951. Class 39.

Northwest Plastics, Incorporated, St. Paul, Minn. Plastic cups and coasters. 551,281, Nov. 27; Serial No. 595,850, published Sept. 4, 1951. Class 2.

Northwestern Mutual Fire Association, Seattle, Wash. Underwriting of insurance. 551,361, Nov. 27; Serial No. 541,442, published Aug. 28, 1951. Class 102.

Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. 551,313, Nov. 27; Serial No. 603,594, published Aug. 28, 1951. Class 42.

O'Byrne, Thomas E., Company, assignor to P. K. Becker, Chicago, Ill. Stabilizers for ices and sherbets, pectin, etc. 551,192, Nov. 27; Serial No. 560,213, published Aug. 7, 1951. Class 46.

Oceanic Sales Co., Seattle, Wash. Canned salmon. 551,181, Nov. 27; Serial No. 548,829, published July 31, 1951. Class 46.

Ohaus Scale Corporation, Newark, N. J. Weighing scales and weights. 551,269, Nov. 27; Serial No. 593,545, published July 24, 1951. Class 26.

Oil Well Engineering Company, Ltd., The, New York, N. Y., and London and Stockport, England. Well-boring plants. 284,247, renewed June 23, 1951. O. G. Nov. 27. Class 23.

Oil Well Supply Company, Dallas, Tex. Subsurface pumps and parts thereof. 551,290, Nov. 27; Serial No. 597,974, published Sept. 4, 1951. Class 23.

Olin, Norman E., doing business under the name of Neo, New York, N. Y. Plastic trays, paper and waste baskets. 444,604, Nov. 27; Serial No. 497,325, published Aug. 28, 1951. Class 2.

Ori, Peter, Reading, Pa. Collets and collet holders. 551,319, Nov. 27; Serial No. 604,381, published Aug. 14, 1951. Class 23.

Pacific American Fisheries, Inc.: *See*—
Key City Packing Co.

Pacific Bone Coal & Fertilizing Co., to Consolidated Chemical Industries Inc., San Francisco, Calif. Glue. 287,061, renewed Sept. 15, 1951. O. G. Nov. 27. Class 5.

Pacific Products, Inc., to Rainier Brewing Company, San Francisco, Calif. Non-alcoholic, non-cereal, maltless beverages. 287,807–9, renewed Oct. 13, 1951. O. G. Nov. 27. Class 45.

Palm Terrace Fruit Company, Mount Dora, Fla. Fresh citrus fruits, fresh deciduous fruits, fresh vegetables, etc. 551,316, Nov. 27; Serial No. 603,937, published Aug. 7, 1951. Class 46.

Paulsen-Webber Cordage Corporation, New York, N. Y. Twine. 551,348, Nov. 27; Serial No. 608,473, published Sept. 4, 1951. Class 7.

Peerless Rubber Manufacturing Company, New Durham, N. J., and New York, N. Y., by United States Rubber Company, New York, N. Y. Packing composed of fibrous material, etc. 82,908, Aug. 1, 1911. Republished Nov. 27. Class 35.

Penick, S. B., & Company, New York, N. Y. Food processing products. 551,332, Nov. 27; Serial No. 605,676, published July 24, 1951. Class 46.

Perfecting Service Company, Charlotte, N. C. Servicing of connection devices. 551,363, Nov. 27; Serial No. 564,400, published Apr. 17, 1951. Class 103.

Pernet, Charles L. E., Paris, France. Containers. 444,605, Nov. 27; Serial No. 519,598, published Aug. 28, 1951. Class 2.

Personeni, Josephine, doing business as Personeni Wines, New York, N. Y. Burgundy, chablis, sauterne, sherry, muscatel and port wines. 551,405, Nov. 27; Serial No. 606,393. Class 47.

Personeni Wines: *See*—
Personeni, Josephine.

Peterson, Delmont R., doing business as Peterson Welding Laboratories, Kansas City, Mo. Electrically powered table type vibratory grinding machines. 551,224, Nov. 27; Serial No. 578,463, published Sept. 4, 1951. Class 23.

Peterson Welding Laboratories: *See*—
Peterson, Delmont R.

Phosferine (Ashton & Parsons), Limited: *See*—
Ashton & Parsons, Ltd.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints. 287,505, renewed Sept. 29, 1951. O. G. Nov. 27. Class 16.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Pyroxylin lacquers. 287,545, renewed Sept. 29, 1951. O. G. Nov. 27. Class 16.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints. 287,546, renewed Sept. 29, 1951. O. G. Nov. 27. Class 16.

Pollio Dairy Products Corporation, Brooklyn, N. Y. Butter and cheese. 551,268, Nov. 27; Serial No. 592,660, published July 31, 1951. Class 46.

Popsicle Corporation of the United States, The, by Joe Lowe Corporation, New York, N. Y. Non-alcoholic, maltless syrups used in the preparation of frozen confections. 288,393, Oct. 27, 1931. Republished Nov. 27. Class 46.

Popsicle Corporation of the United States, The, by Joe Lowe Corporation, New York, N. Y. Frozen confections. 288,507, Oct. 27, 1931. Republished Nov. 27. Class 46.

Popsicle Corporation of the United States, The, by Joe Lowe Corporation, New York, N. Y. Wrappers and bags. 288,575, Nov. 3, 1931. Republished Nov. 27. Class 2.

Porter, H. K., Inc., Somerville, Mass. Cold solder. 551,289, Nov. 27; Serial No. 597,902, published Aug. 28, 1951. Class 14.

Preview Sportswear: *See*—
Donath, Henry.

Procter & Gamble Company, The: *See*—
Ramsey, Eleanor D.

Pure Carbonic, Incorporated: *See*—
Air Reduction Company, Incorporated.

Pure Oil Company, The, Chicago, Ill. Services rendered to automobiles, trucks, etc. 551,359, Nov. 27; Serial No. 527,988, published Sept. 4, 1951. Class 103.

Puritan Cosmetics Company: *See*—
Puritan Pharmaceutical Company.

Puritan Cosmetics, Inc.: *See*—
Puritan Pharmaceutical Company.

Puritan Pharmaceutical Company, doing business as Puritan Cosmetics, Inc., to Puritan Cosmetics Company, St. Louis, Mo. Preparation to stimulate the scalp, deep hair wave lotion, permanent wave oil, etc. 291,133, renewed Jan. 28, 1952. O. G. Nov. 27. Class 51.

RCA Communications, Inc., New York, N. Y. Radio teleprinter communication services. 551,366, Nov. 27; Serial No. 602,066, published Aug. 28, 1951. Class 104.

R & K Dress Corporation, New York, N. Y. Junior misses' and ladies' dresses, coats, suits, etc. 551,293, Nov. 27; Serial No. 598,273, published Sept. 4, 1951. Class 39.

Rainier Brewing Company: *See*—
Pacific Products, Inc.

Ramsey, Eleanor D., Detroit, Mich., to The Procter & Gamble Company, Cincinnati, Ohio. Cleaner. 283,010, renewed May 12, 1951. O. G. Nov. 27. Class 52.

Raybestos-Manhattan, Inc., Passaic, N. J. Asbestos stove wicking. 551,356, Nov. 27; Serial No. 612,087, published Aug. 14, 1951. Class 34.

Reamstown Hosiery Mills, Inc., Mohnton, Pa. Ladies' hosiery. 551,305, Nov. 27; Serial No. 601,464, published Aug. 28, 1951. Class 39.

Reclean Corp: *See*—
Re-Clean Corp., The.

Re-Clean Corp., The, New York, assignor, by mesne assignments, to Reclean Corp (1951), Brooklyn, N. Y. Liquid preparation used for cleaning fabric articles. 551,408, Nov. 27; Serial No. 608,176. Class 52.

Reid, Rose M., Los Angeles, Calif. Swim suits, shorts, skirts, etc. 551,238, Nov. 27; Serial No. 586,063, published Sept. 4, 1951. Class 39.

Renfield Importers, Ltd.: *See*—
Churchill, Limited.

Republic Foil and Metal Mills Incorporated, Danbury, Conn. Aluminum foil, coated and uncoated, and aluminum foil combined with paper, etc. 551,284, Nov. 27; Serial No. 596,802, published Sept. 4, 1951. Class 14.

Rex, M. A., doing business as Canner's Sales Agency, Los Angeles, Calif. Canned fish. 551,200, Nov. 27; Serial No. 563,755, published Jan. 16, 1951. Class 46.

Rifkin, William, & Sons, Philadelphia, Pa. Men's, ladies' and children's nightgowns, pajamas and underwear. 551,310, Nov. 27; Serial No. 602,336, published Aug. 28, 1951. Class 39.

Riley Brothers (Halifax) Limited, Halifax, England. Rum and butter flavoured toffee. 287,109, renewed Sept. 15, 1951. O. G. Nov. 27. Class 46.

River Rest Farms: *See*—
Ferguson, Roy C.

Robert-Frank Company: *See*—
Schnier, I. F.

Robertshaw-Fulton Controls Company, Greensburg, Pa. Combined temperature regulators and automatic gas cutoffs. 551,279, Nov. 27; Serial No. 595,738, published July 31, 1951. Class 26.

Roegelein Provision Company, San Antonio, Tex. Fresh, canned and cured ham, fresh pork, bacon, etc. 551,243, Nov. 27; Serial No. 587,287, published July 10, 1951. Class 46.

Ronuk, Limited, Portslade, England. Boot polish. 286,947, renewed Sept. 8, 1951. O. G. Nov. 27. Class 4.

Royal Robes, Inc., New York, N. Y. Robes. 551,302, Nov. 27; Serial No. 600,354, published July 31, 1951. Class 39.

S. T. S. Company, Los Angeles, Calif. Chlorophyll tablets. 551,402, Nov. 27; Serial No. 603,087. Class 18.

Sap's Bakery: *See*—
Essex, Philip R.

Sape Bakery: *See*—
Essex, Philip R.

Sasieni London, Ltd., to John Hudson Moore, Inc., New York, N. Y. Smokers' pipes. 284,836, renewed July 7, 1951. O. G. Nov. 27. Class 8.

Schnier, I. F., doing business as Robert-Frank Company, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. 551,321, Nov. 27; Serial No. 604,599, published Aug. 7, 1951. Class 46.

Sealtite Insulation Manufacturing Corporation, Waukesha, Wis. Rock wool batts with aluminum foil backing for use in the insulation of walls of buildings. 551,394, Nov. 27; Serial No. 599,125. Class 12.

Sears, Roebuck and Co., Chicago, Ill. Typewriters, duplicating machines and paper stapling machines. 551,221, Nov. 27; Serial No. 577,612, published July 31, 1951. Class 23.

Seidman & Cohan, Inc., to Hyman Seidman, New York, N. Y. Articles of jewelry. 286,616, renewed Sept. 1, 1951. O. G. Nov. 27. Class 28.

Seidman, Hyman: *See*—
Seidman & Cohan, Inc.

Selby Shoe Company, The, Portsmouth, Ohio. Women's, misses' and children's shoes. 290,498, renewed Jan. 5, 1952. O. G. Nov. 27. Class 39.

Service Poultry Market: *See*—
James, Emanuel M.

Sheffield Bronze Paint Corp., The, Cleveland, Ohio. Aluminum roof paint. 551,373, Nov. 27; Serial No. 534,925. Class 16.

Shotwell Mfg. Co., The, Chicago, Ill. Marshmallows. 551,214, Nov. 27; Serial No. 575,164, published Aug. 7, 1951. Class 46.

Sigma Nu Fraternity, Indianapolis, Ind. Cosmetic compacts. 551,247, Nov. 27; Serial No. 588,460, published Aug. 28, 1951. Class 2.

Simonds Saw and Steel Company, Fitchburg, Mass. Finished ground, tool steel stock, and finished ground, beveled edge, high speed shaper steel. 551,217, Nov. 27; Serial No. 576,075, published Aug. 28, 1951. Class 14.

Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines, their parts and attachments. 290,333, renewed Jan. 5, 1952. O. G. Nov. 27. Class 23.

Siskind's Tailoring Co., Inc., New York, N. Y. Men's, women's, boys', girls', and children's outer shirts, under shirts, trousers, etc. 551,273, Nov. 27; Serial No. 594,668, published July 31, 1951. Class 39.

Sklaroff Bros., Philadelphia, Pa., to Burlington Mills Corporation, Greensboro, N. C. Hosiery. 289,733, renewed Dec. 1, 1951. O. G. Nov. 27. Class 39.

Smith, A. L., Iron Co.: *See*—
Smith, A. L., Iron Works, The.

Smith, A. L., Iron Co., Chelsea, Mass. Fluorescent lighting fixtures, wall lamps and floor lamps. 406,084, Mar. 7, 1944. Republished Nov. 27. Class 21.

Smith, A. L., Iron Works, The, by A. L. Smith Iron Co., Chelsea, Mass. Wrought iron tables. 255,788, Apr. 30, 1929. Republished Nov. 27. Class 32.

Sociedad Anonima Mackinnon & Coelho, Limitada Compania Yerbatera, Buenos Aires, Argentina. Yerba mate. 289,781, renewed Dec. 8, 1951. O. G. Nov. 27. Class 46.

Society of Chemical Industry in Basle, to Ciba Limited, Basel, Switzerland. Chemical product. 286,899, renewed Sept. 1, 1951. O. G. Nov. 27. Class 6.

South Bend Bait Company, South Bend, Ind. Fishing reels. 551,377, Nov. 27; Serial No. 573,212. Class 22.

Spool Cotton Company, The, Newark, N. J., and New York, N. Y., to The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga. Cotton thread and yarn. 84,758–60, re-renewed Jan. 2, 1952. O. G. Nov. 27. Class 43.

Stabilimenti Demaniali Recoaro Società per Azioni, Milan, Italy. Non-alcoholic maltless soft drinks and carbonated waters. 551,395, Nov. 27; Serial No. 600,552. Class 45.

Sterling Textile Printers Co.: *See*—
Sterling Textile Printers Inc.

Sterling Textile Printers Inc., by Sterling Textile Printers Co., New York, N. Y. Cotton, rayon, wool, spun rayon, and silk piece goods. 400,594, Mar. 23, 1943. Republished Nov. 27. Class 42.

Stern, Merritt Co., Inc., New York, N. Y. Neckties. 551,216, Nov. 27; Serial No. 575,943, published July 31, 1951. Class 39.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 551,329, Nov. 27; Serial No. 605,499, published July 24, 1951. Class 39.

Street & Smith Publications, Inc., New York, N. Y. Advertising service. 551,365, Nov. 27; Serial No. 596,761, published Aug. 28, 1951. Class 101.

Stuckey, Verle E.: *See*—
Trommer Company, The.

Stutzman, Alfred A., doing business under the name of Stutzman Oil Burner Co., Aldan, Pa. Oil burners. 551,272, Nov. 27; Serial No. 594,408, published Aug. 28, 1951. Class 34.

Stutzman Oil Burner Co.: *See*—
Stutzman, Alfred A.

Swenson, Aut, Springfield, Mo. Entertainment service. 551,367–8, Nov. 27; Serial Nos. 606,180–1, published Sept. 4, 1951. Class 107.

Tanbro Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 551,354, Nov. 27; Serial No. 610,241, published Sept. 4, 1951. Class 42.

Tex-O-Kan Flour Mills Co., now by change of name Burrus Mills, Incorporated, Dallas, Tex. Dairy, horse, stock, and poultry feeds. 551,300, Nov. 27; Serial No. 599,678, published May 29, 1951. Class 46.

Thomas & Howard Company, Charleston, S. C. Rice. 551,333, Nov. 27; Serial No. 606,246, published Aug. 7, 1951. Class 46.

Thread Mills Company, The, Monticello, Ind., by McCoy, Jones & Company, Inc., Chicago, Ill. Thread and yarn. 285,467, July 28, 1931. Republished Nov. 27. Class 43.

Toledo Dental Products Company, The, Toledo, Ohio. Equipment for molding small individual plastic pieces. 551,261, Nov. 27; Serial No. 591,596, published July 24, 1951. Class 23.

Top Form Brassiere Co., Inc., assignee: *See*—
Wharton Brassiere Co., Inc.

Tripoli Barber Supply Co., Inc., to Tripoli Barbers' Supply Company, Philadelphia, Pa. Hair tonics and toilet waters. 286,273, renewed Aug. 25, 1951. O. G. Nov. 27. Class 51.

Tripoli Barbers' Supply Company: *See*—
Tripoli Barber Supply Co., Inc.

Tri-State Plastic Molding Co., Henderson, Ky. Covered plastic box. 551,208, Nov. 27; Serial No. 572,389, published Aug. 28, 1951. Class 2.

Trommer Company, The, by Verle E. Stuckey, Fremont, Ohio. Medicament. 35,404, Nov. 13, 1900. Republished Nov. 27. Class 18.

TruGrape Co., The: *See*—
Guest, James D.

Unit Products: *See*—
Coakley, Arthur T.

United Hosiery Mills Corporation, Chattanooga, Tenn. Cotton yarn. 551,345, Nov. 27; Serial No. 608,183, published Sept. 4, 1951. Class 43.

United States Rubber Company: *See*—
Naugatuck Chemical Company, The.
Peerless Rubber Manufacturing Company.

United States Rubber Company, New York, N. Y. Rubber soles. 285,430, July 28, 1931. Republished Nov. 27. Class 39.

United States Stove Company, South Pittsburg, Tenn. Gas-operated water heaters and gas-operated heating-stoves. 389,575, Aug. 12, 1941. Republished Nov. 27. Class 34.

Vadium Corporation, The, Wilmington, Del. Textile fabrics. 551,291, Nov. 27; Serial No. 597,990, published Sept. 4, 1951. Class 42.

Van Raalte Company, Inc., New York, N. Y. Girdles. 551,351, Nov. 27; Serial No. 609,113, published Sept. 4, 1951. Class 39.

Vendomatic, Torrance, Calif. Vending machines. 551,231, Nov. 27; Serial No. 583,503, published Aug. 28, 1951. Class 23.

Versa-Mil Company: *See*—
McCullough, David S.

Vogue Company, The, to The Conde Nast Publications, Inc., New York, N. Y. Magazine. 84,770, re-renewed Jan. 2, 1952. O. G. Nov. 27. Class 38.

Vuitton & Vuitton, Societe a Responsabilite Limitee, Paris, France. Trunks, valises, traveling bags, etc. 286,345, renewed Aug. 25, 1951. O. G. Nov. 27. Class 3.

Waldorf Paper Products Company, St. Paul, Minn. Boxes and cartons. 551,262, Nov. 27; Serial No. 591,704, published Aug. 28, 1951. Class 2.

Warsop Petrol Drill & Tools Ltd., London, England. Rock drills, road-breaking machines, tamping machines, etc. 551,202, Nov. 27; Serial No. 564,488, published Sept. 4, 1951. Class 23.

Washington Fish & Oyster Co., Inc., Seattle, Wash. Canned salmon. 551,183, Nov. 27; Serial No. 552,822, published Aug. 28, 1951. Class 46.

Washington Fish & Oyster Co., Inc., Seattle, Wash. Canned salmon. 551,184, Nov. 27; Serial No. 552,824, published July 17, 1951. Class 46.

Washington, Martha, Candies Co.: *See*—
Washington, Martha, Candies Company.

Washington, Martha, Candies Company, to Martha Washington Candies Co., Chicago, Ill. Ice cream. 288,768, renewed Nov. 3, 1951. O. G. Nov. 27. Class 46.

Washington, Martha, Candies Company, to Martha Washington Candies Co., Chicago, Ill. Chocolate, taffy, and crackers or biscuits. 289,599, renewed Dec. 1, 1951. O. G. Nov. 27. Class 46.

Washington, Martha, Candies Company, to Martha Washington Candies Co., Chicago, Ill. Candies. 290,136, renewed Dec. 22, 1951. O. G. Nov. 27. Class 46.

Washington, Martha, Candies Company, to Martha Washington Candies Co., Chicago, Ill. Ice cream. 290,326, renewed Jan. 5, 1952. O. G. Nov. 27. Class 46.

Wee-Form: *See*—
Block, Christine.

Weeks Gas Tur-B-Lizer Company: *See*—
Weeks, Leonard M.

Weeks, Leonard M., doing business as Weeks Gas Tur-B-Lizer Company, Milwaukee, Wis. Manifold insert. 551,278, Nov. 27; Serial No. 595,632, published July 24, 1951. Class 23.

Weller, J., Co., The, Oak Harbor, Ohio. Tomato catsup and pickles. 551,322, Nov. 27; Serial No. 604,674, published July 31, 1951. Class 46.

Wene, Elmer H., doing business as Wene Poultry Laboratories, Vineland, N. J. Dressed poultry. 551,312, Nov. 27; Serial No. 603,468, published July 24, 1951. Class 46.

Wene Poultry Laboratories: *See*—
Wene, Elmer H.

Werner, J. Harold, Inc., doing business as Barclays, Cleveland, Ohio. Outer shirts. 551,323, Nov. 27; Serial No. 604,709, published July 24, 1951. Class 39.

West Bend Equipment Corporation, West Bend, Wis. Hand pulled hydraulically operated lift trucks and wheeled and non-wheeled hydraulically operated freight elevators. 551,178, Nov. 27; Serial No. 541,901, published Sept. 4, 1951. Class 23.

Western Air Lines, Inc., Los Angeles, Calif. Air transportation. 551,414, Nov. 27; Serial No. 546,895. Class 105.

Western Fishing Line Co.: *See*—
Western Lace and Line Company.

Western Lace and Line Company, also doing business as Western Fishing Line Co., Glendale, Calif. Fishing line. 551,412, Nov. 27; Serial No. 615,590. Class 22.

Wharton Brassiere Co., Inc., Wharton, N. J., assignor to Top Form Brassiere Co., Inc., Germantown, N. Y. Brassières. 551,342, Nov. 27; Serial No. 607,303, published Sept. 4, 1951. Class 39.

Wiegand, Henry, Corporation, New York, N. Y. Wood working machines. 551,338, Nov. 27; Serial No. 606,834, published Aug. 7, 1951. Class 23.

Wilde, T. E., & Son, Inc., Sacramento, Calif. Peeled raw potatoes. 551,205, Nov. 27; Serial No. 568,475, published July 17, 1951. Class 46.

Wilkinson Brothers, Inc., Calipatria, Calif. Fresh peas. 551,175, Nov. 27; Serial No. 532,386, published May 1, 1951. Class 46.

Willard Storage Battery Company, Cleveland, Ohio. Storage battery testers. 551,265–6, Nov. 27; Serial No. 592,176–7, published July 24, 1951. Class 26.

Winston, Luis, Company, New York, N. Y. Protective coating. 551,391, Nov. 27; Serial No. 591,330. Class 16.

Winters Optical Co., New York, N. Y. Sunglasses. 551,191, Nov. 27; Serial No. 559,264, published July 31, 1951. Class 26.

Wire Forms, Inc., New York and Brooklyn, N. Y. Spring clamps. 551,371, Nov. 27; Serial No. 523,443. Class 13.

Wortendyke Manufacturing Company, Richmond, Va. Woven, knitted, and netted fabrics. 551,390, Nov. 27; Serial No. 589,613. Class 42.

Yale & Towne Manufacturing Company, The, Stamford and Branford, Conn., New York, N. Y., Boston, Mass., Philadelphia, Pa., Chicago, Ill., and San Francisco, Calif., to The Yale & Towne Manufacturing Company, New York, N. Y. Chain-blocks. 37,699, re-renewed Jan. 28, 1952. O. G. Nov. 27. Class 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Condensation product of formaldehyde and ethylamine. The Naugatuck Chemical Company. 285,004, July 14, 1931. Republished Nov. 27.

Flowers and ferns. Jewel Foliage Company. 551,401, Nov. 27; Serial No. 602,201.

Frit and clay, Glazed and enameled. Ferro Enamel Corporation. 545,912, July 31, 1951. Corrected. O. G. Nov. 27.

Seeds. Ferry-Morse Seed Co. 551,380, Nov. 27; Serial No. 579,271.

Seeds. Fery-Morse Seed Co. 551,385, Nov. 27; Serial No. 586,218.

Seeds for agricultural and horticultural purposes. James Carter & Co. 84,308, re-renewed Nov. 28, 1951. O. G. Nov. 27.

CLASS 2

Bag liner, Inner. Kellogg Company. 551,407, Nov. 27; Serial No. 607,175.

Bags. Ames Harris Neville Co. 288,591, Nov. 3, 1931. Republished Nov. 27.

Bags, Burlap. Bemis Bro. Bag Company. 551,303, Nov. 27; Serial No. 600,808, published Sept. 4, 1951.

Bags, Cellophane. Champion Bag Company. 551,326, Nov. 27; Serial No. 604,837, published Aug. 28, 1951.

Bags, Paper. Gulf States Paper Corporation. 551,324, Nov. 27; Serial No. 604,780, published Aug. 28, 1951.

Bags, Paper. Gulf States Paper Corporation. 551,325, Nov. 27; Serial No. 604,782, published Aug. 28, 1951.

Baskets, Collapsible. A. Ellis. 551,227, Nov. 27; Serial No. 581,411, published May 29, 1951.

Bowls, Wooden, wooden plates and wooden serving tools. S. & G. Gump Company. 551,218, Nov. 27; Serial No. 576,533, published Sept. 4, 1951.

Box, Covered plastic. Tri-State Plastic Molding Co. 551,208, Nov. 27; Serial No. 572,389, published Aug. 28, 1951.

Boxes and cartons. Waldorf Paper Products Company. 551,262, Nov. 27; Serial No. 591,704, published Aug. 28, 1951.

Carriers made of paper for carrying a plurality of bottles. Atlanta Paper Company. 551,226, Nov. 27; Serial No. 581,159, published Aug. 28, 1951.

Cartons, bags, tubes, etc. Crystal Tube Corporation. 551,213, Nov. 27; Serial No. 575,125, published Aug. 28, 1951.

Cases, Metal. Metal Carrier Corp. 551,288, Nov. 27; Serial No. 597,892, published Aug. 28, 1951.

Compacts, Cosmetic. Sigma Nu Fraternity. 551,247, Nov. 27; Serial No. 588,460, published Aug. 28, 1951.
Containers. C. L. E. Pernet. 444,605, Nov. 27; Serial No. 519,598, published Aug. 28, 1951.
Containers, Empty. C. S. Molitor. 551,201, Nov. 27; Serial No. 564,241, published Aug. 28, 1951.
Cups and coasters, Plastic. Northwest Plastics, Incorporated. 551,281, Nov. 27; Serial No. 595,850, published Sept. 4, 1951.
Envelopes, Outer cardboard or paper. Allied Aviation Supplies Co. 551,228, Nov. 27; Serial No. 582,117, published Aug. 28, 1951.
Food saver, Polyethylene plastic gusseted, and sandwich bags. Marcor, Inc. 551,223, Nov. 27; Serial No. 578,458, published Aug. 28, 1951.
Kegs, Metallic. Heintz Manufacturing Company. 551,296, Nov. 27; Serial No. 598,727, published Aug. 28, 1951.
Pails, Grease. Geuder, Paeschke & Frey Co. 551,186, Nov. 27; Serial No. 554,374, published Jan. 2, 1951.
Tanks, Metal. Air Reduction Company. 551,170, Nov. 27; Serial No. 507,075, published Aug. 14, 1951.
Trays, Plastic, paper and waste baskets. N. E. Olin. 444,604, Nov. 27; Serial No. 497,325, published Aug. 28, 1951.
Wrappers and bags. The Popsicle Corporation of the United States. 288,575, Nov. 3, 1931. Republished Nov. 27.

CLASS 3

Trunks, valises, traveling bags, etc. Vuitton & Vuitton, Societe a Responsabilite Limitee. 286,345, renewed Aug. 25, 1951. O. G. Nov. 27.

CLASS 4

Polish, Boot. Ronuk, Limited. 286,947, renewed Sept. 8, 1951. O. G. Nov. 27.

CLASS 5

Glue. Pacific Bone Coal & Fertilizing Co. 287,061, renewed Sept. 15, 1951. O. G. Nov. 27.

CLASS 6

Chemical product. Society of Chemical Industry in Basle. 286,699, renewed Sept. 1, 1951. O. G. Nov. 27.
Deodorant dispensers, Filled. Knapp-Monarch Company. 551,376, Nov. 27; Serial No. 587,918.

CLASS 7

Twine. Paulsen-Webber Cordage Corporation. 551,348, Nov. 27; Serial No. 608,473, published Sept. 4, 1951.

CLASS 8

Pipes, Smokers'. Sasieni London Ltd. 284,836, renewed July 7, 1951. O. G. Nov. 27.

CLASS 12

Floor covering, Felt. International Felt Corp. 551,386, Nov. 27; Serial No. 586,283.
Lumber, Maple Flooring Manufacturers Association. 364,463, Jan. 31, 1939. Republished Nov. 27, 1951.
Rock wool batts with aluminum foil backing for use in the insulation of walls of buildings. Sealtite Insulation Manufacturing Corporation. 551,394, Nov. 27; Serial No. 599,125.

CLASS 13

Aluminum kitchen and serving utensils. Leyse Aluminum Company. 285,976, renewed Aug. 11, 1951. O. G. Nov. 27.
Spring clamps. Wire Forms, Inc. 551,371, Nov. 27; Serial No. 523,443.
Tacks. W. W. Cross & Company, Incorporated. 286,989, renewed Sept. 8, 1951. O. G. Nov. 27.
Valve apparatus. Allis-Chalmers Manufacturing Company. 551,254, Nov. 27; Serial No. 589,296, published Aug. 28, 1951.
Valves and bolts, Gate. Aluminum Industries, Inc. 288,555, renewed Nov. 3, 1951. O. G. Nov. 27.

CLASS 14

Alloy castings. Aluminum Industries, Inc. 288,896, renewed Nov. 10, 1951. O. G. Nov. 27.
Aluminum foil, coated and uncoated and aluminum foil combined with paper, etc. Republic Foil and Metal Mills Incorporated. 551,284, Nov. 27; Serial No. 596,802, published Sept. 4, 1951.
Cold solder. H. K. Porter, Inc. 551,289, Nov. 27; Serial No. 597,902, published Aug. 28, 1951.
Ferrous castings. The International Nickel Company, Inc. 551,343, Nov. 27; Serial No. 607,430, published Aug. 28, 1951.
Ferrous castings. The International Nickel Company, Inc. 551,344, Nov. 27; Serial No. 607,432, published Aug. 28, 1951.
Finished ground, tool steel stock, and finished ground, beveled edge, high speed shaper steel. Simonds Saw and Steel Company. 551,217, Nov. 27; Serial No. 576,075, published Aug. 28, 1951.
Steel. The Carpenter Steel Company. 551,317, Nov. 27; Serial No. 604,068, published Aug. 28, 1951.
Steel, High-speed cutting. Firth-Sterling Steel Company. 84,223, Nov. 21, 1911. Republished Nov. 27.

CLASS 16

Coating, Protective. Luis Winston Company. 551,391, Nov. 27; Serial No. 591,330.
Lacquers, Pyroxylin. Pittsburgh Plate Glass Company. 287,545, renewed Sept. 29, 1951. O. G. Nov. 27.
Paint, Aluminum roof. The Sheffield Bronze Paint Corp. 551,373, Nov. 27; Serial No. 554,925.
Paints, Liquid and paste. Pittsburgh Plate Glass Company. 287,505, renewed Sept. 29, 1951. O. G. Nov. 27.
Paints, Liquid and paste. Pittsburgh Plate Glass Company. 287,546, renewed Sept. 29, 1951. O. G. Nov. 27.
Paints, Ready mixed. The M. W. Kellogg Company. 551,370, Nov. 27; Serial No. 474,035.

CLASS 17

Cigarettes. Peter Jackson (Tobacco Manufacturer) Limited. 290,532, renewed Jan. 5, 1952. O. G. Nov. 27.

CLASS 18

Chlorophyll tablets. S. T. S. Company. 551,402, Nov. 27. Serial No. 603,087.
Diuretic, in tablet form. C. F. Keller. 285,638, renewed Aug. 4, 1951. O. G. Nov. 27.
Medicament. The Trommer Company. 35,404, Nov. 13, 1900. Republished Nov. 27.
Medicine. The Adrosol Company. 281,066, renewed March 10, 1951. O. G. Nov. 27.
Pharmaceutical mouth wash. Eton Products, Inc. 285,773, renewed Aug. 4, 1951. O. G. Nov. 27.
Pills, powders, tablets, etc. Ashton & Parsons, Ltd. 37,375, re-renewed Nov. 26, 1951. O. G. Nov. 27.

CLASS 21

Fluorescent lighting fixtures, wall lamps and floor lamps. A. L. Smith Iron Co. 406,084, March 7, 1944. Republished Nov. 27.
Lighting fixtures and lamps, Electric. The Miller Company. 286,189, renewed Aug. 18, 1951. O. G. Nov. 27.
Radio receiving sets and parts thereof. General Motors Radio Corporation. 283,227, renewed May 19, 1951. O. G. Nov. 27.

CLASS 22

Fishing line. Western Lace and Line Company. 551,412, Nov. 27; Serial No. 615,590.
Fishing reels. South Bend Bait Company. 551,377, Nov. 27; Serial No. 573,212.
Hand-propelled carts used by golfers. J. F. Chamberlin. 551,411, Nov. 27; Serial No. 615,538.
Playing cards. S. H. Kress and Company. 551,357–8, Nov. 27; Serial Nos. 614,990–1, published Aug. 28, 1951.
Playing-marbles. The Akro Agate Company. 83,121, re-renewed Aug. 22, 1951. O. G. Nov. 27.
Pocket cases, envelopes and similar items for carrying fishing leaders. W. A. Martin. 551,382, Nov. 27; Serial No. 580,417.
Toys. L. Bamberger & Co. 288,669, renewed Nov. 3, 1951. O. G. Nov. 27.

CLASS 23

Chain-blocks. The Yale & Towne Manufacturing Company. 37,699, re-renewed Jan. 28, 1952. O. G. Nov. 27.
Collets and collet holders. P. Ori. 551,319, Nov. 27; Serial No. 604,381, published Aug. 14, 1951.
Dusting machine. Niagara Sprayer and Chemical Co., Inc. 288,707, renewed Nov. 3, 1951. O. G. Nov. 27.
Equipment for molding small individual plastic pieces. The Toledo Dental Products Company. 551,261, Nov. 27; Serial No. 591,596, published July 24, 1951.
Files. Heller Brothers Company. 551,241, Nov. 27; Serial No. 586,971, published Aug. 14, 1951.
Grinding machines, Electrically powered table type vibratory. D. R. Peterson. 551,224, Nov. 27; Serial No. 578,463, published Sept. 4, 1951.
Lift trucks, Hand pulled hydraulically operated, and wheeled and non-wheeled hydraulically operated freight elevators. West Bend Equipment Corporation. 551,178, Nov. 27; Serial No. 541,901, published Sept. 4, 1951.
Manifold insert. L. M. Weeks. 551,278, Nov. 27; Serial No. 595,632, published July 24, 1951.
Mechanical paper fasteners. Bump Paper Fastener Company. 289,399, renewed Nov. 24, 1951. O. G. Nov. 27.
Milling machines. Ingersoll-Rand Company. 551,346, Nov. 27; Serial No. 608,396, published July 31, 1951.
Oil refining and fractionating apparatus. Fritz W. Glitsch & Sons, Inc. 551,283, Nov. 27; Serial No. 596,662, published Aug. 7, 1951.
Pumps and parts thereof, Subsurface. Oil Well Supply Company. 551,290, Nov. 27; Serial No. 597,974, published Sept. 4, 1951.
Rock drills, road-breaking machines, tamping machines, etc. Warsop Petrol Drill & Tools Ltd. 551,202, Nov. 27; Serial No. 564,488, published Sept. 4, 1951.
Saw blades, Circular. Henry Disston & Sons, Incorporated. 551,237, Nov. 27; Serial No. 585,748, published July 31, 1951.
Sealing machines. The Frito Company. 551,225, Nov. 27; Serial No. 581,128, published July 31, 1951.
Sewing machines, their parts and attachments. The Singer Manufacturing Company. 290,333, renewed Jan. 5, 1952. O. G. Nov. 27.

Sprayers, Manually-operated. H. D. Hudson Manufacturing Company. 551,307, Nov. 27; Serial No. 601,917, published July 31, 1951.
Tools, Butchers, bakers', druggists', and painters'. Lamson and Goodnow Manufacturing Company. 551,176, Nov. 27; Serial No. 534,453, published July 31, 1951.
Tools, Motorized. David S. McCullough. 551,256, Nov. 27; Serial No. 589,734, published July 31, 1951.
Typewriters, duplicating machines, and paper stapling machines. Sears, Roebuck and Co. 551,221, Nov. 27; Serial No. 577,612, published July 31, 1951.
Vending machines. Vendomatic. 551,231, Nov. 27; Serial No. 583,503, published Aug. 28, 1951.
Well-boring plants. The Oil Well Engineering Company, Ltd. 284,247, renewed June 23, 1951. O. G. Nov. 27.
Wood working machines. Henry Wiegand Corporation. 551,338, Nov. 27; Serial No. 606,834, published Aug. 7, 1951.

CLASS 26

Battery testers. Jordan Electrical Manufacturing Company. 551,264, Nov. 27; Serial No. 592,150, published July 31, 1951.
Battery testers, Storage. Willard Storage Battery Company. 551,265–6, Nov. 27; Serial Nos. 592,176–7, published July 24, 1951.
Binoculars. Manhattan Novelty Corporation. 551,309, Nov. 27; Serial No. 602,268, published July 31, 1951.
Calculating machines. Friden Calculating Machine Co., Inc. 551,232, Nov. 27; Serial No. 583,598, published July 31, 1951.
Cameras. Alfa Photo Corp. 551,259, Nov. 27; Serial No. 590,967, published May 1, 1951.
Component parts for electronic meters and laboratory measuring instruments. James Millen Manufacturing Company, Inc. 551,173, Nov. 27; Serial No. 530,669, published July 24, 1951.
Electrophotographic copying machines, plates, transfer paper, etc. The Haloid Company. 551,230, Nov. 27; Serial No. 582,684, published July 24, 1951.
Film slides, Positive photographic. Robert Bagby, Inc. 551,384, Nov. 27; Serial No. 583,020.
Flashlight synchronizing apparatus. Heiland Research Corporation. 551,177, Nov. 27; Serial No. 540,279, published July 24, 1951.
Fluid flow indicating and recording instruments, flow controllers, etc. Fischer & Porter Company. 551,206, Nov. 27; Serial No. 569,679, published July 31, 1951.
Gas analyzer. The Hays Corporation. 551,199, Nov. 27; Serial No. 563,617, published July 31, 1951.
Gas intermitters, Combination time cycle and pressure controlled, gas lift valves, etc. Camco, Inc. 551,172, Nov. 27; Serial No. 527,944, published July 31, 1951.
Glasses, Magnifying, and lenses. American Optical Company. 83,125, re-renewed Aug. 22, 1951. O. G. Nov. 27.
Illuminators for gems, Dark-field. Gemological Institute of America. 551,185, Nov. 27; Serial No. 553,840, published July 24, 1951.
Lenses, Ophthalmic. Bausch & Lomb Optical Company. 286,037, renewed Aug. 11, 1951. O. G. Nov. 27.
Light beam indicating apparatus for checking and measuring wheel alignment characteristics of automotive vehicles. Food Machinery Corporation. 551,179, Nov. 27; Serial No. 543,160, published July 24, 1951.
Meters, Air velocity. Bacharach Industrial Instrument Company. 551,209, Nov. 27; Serial No. 572,477, published July 31, 1951.
Oscillator unit or apparatus, Special. Kay Electric Company. 551,210, Nov. 27; Serial No. 573,555, published July 24, 1951.
Photographic masks. R. J. la France. 551,245, Nov. 27; Serial No. 587,956, published July 24, 1951.
Photographic paper, Sensitized. Agfa Ansco Corporation. 288,823, renewed Nov. 3, 1951. O. G. Nov. 27.
Photographic photo-engraving and photo-mechanical apparatus, machines, appliances and supplies. Chemco Photoproducts Company, Inc. 551,215, Nov. 27; Serial No. 575,842, published July 31, 1951.
Scales, Weighing, and weights. Ohaus Scale Corporation. 551,269, Nov. 27; Serial No. 593,545, published July 24, 1951.
Sensitized printing mats. Ditto, Incorporated. 551,320, Nov. 27; Serial No. 604,573, published Aug. 14, 1951.
Sunglasses. Winters Optical Co. 551,191, Nov. 27; Serial No. 559,264, published July 31, 1951.
Temperature regulators and automatic gas cut-offs, Combined. Robertshaw-Fulton Controls Company. 551,279, Nov. 27; Serial No. 595,738, published July 31, 1951.
Thermoelectric gas burner control. Milwaukee Gas Specialty Company. 551,207, Nov. 27; Serial No. 570,510, published July 31, 1951.

CLASS 27

Watches, watch cases and parts thereof. Juvenia Watch Agency, Inc. 551,413, Nov. 27; Serial No. 616,176.

CLASS 28

Bracelets, Watch. Jacoby-Bender, Inc. 551,399, Nov. 27; Serial No. 602,094.
Jewelry, Articles of. Seidman & Cohan, Inc. 286,616, renewed Sept. 1, 1951. O. G. Nov. 27.

CLASS 32

Tables, Wrought iron. The A. L. Smith Iron Works. 255,788, Apr. 30, 1929. Republished Nov. 27.

CLASS 33

Glass dish. B. Graham. 551,392, Nov. 27; Serial No. 596,841.

CLASS 34

Asbestos stove wicking. Raybestos-Manhattan, Inc. 551,356, Nov. 27; Serial No. 612,087, published Aug. 14, 1951.
Cutting, scarfing and similar thermochemical metal removing apparatus. National Cylinder Gas Company. 551,189; Nov. 27; Serial No. 558,501, published Sept. 4, 1951.
Dehumidifiers, Unitary. Allied Chemical & Dye Corporation. 551,220, Nov. 27; Serial No. 577,467, published Aug. 21, 1951.
Furnaces. Lennox Furnace Company. 288,058, renewed Oct. 20 1951. O. G. Nov. 27.
Furnaces, Refractory lined, melting. The Denver Fire Clay Company. 551,234, Nov. 27; Serial No. 584,479, published Aug. 14, 1951.
Heaters, Gas-operated water, and gas-operated heating-stoves. United States Stove Company. 389,575, Aug. 12, 1941. Republished Nov. 27.
Oil burners. A. A. Stutzman. 551,272, Nov. 27; Serial No. 594,408, published Aug. 28, 1951.
Ovens, Commercial and industrial baking. American Machine and Foundry Company. 551,212, Nov. 27; Serial No. 574,806, published Aug. 14, 1951.
Radiators and convectors, Heating. National Radiator Corporation. 290,837, renewed Jan. 19, 1952. O. G. Nov. 27.
Stokers and parts thereof, Locomotive. The Hanna Stoker Company. 551,188, Nov. 27; Serial No. 557,525, published Aug. 7, 1951.
Stove, Portable. F. H. Bartz. 551,295, Nov. 27; Serial No. 598,627, published Sept. 4, 1951.

CLASS 35

Packing composed of fibrous material, etc. Peerless Rubber Manufacturing Company. 82,908, Aug. 1, 1911. Republished Nov. 27.

CLASS 37

Paper towels. Brown Company. 551,388, Nov. 27; Serial No. 587,422.
Pens, Fountain. J. M. Morris. 551,406, Nov. 27; Serial No. 606,880.

CLASS 38

Magazine. The Vogue Company. 84,770, re-renewed Jan. 2, 1952. O. G. Nov. 27.
Photographs. K. C. De Groff. 551,387, Nov. 27; Serial No. 586,525.
Publication, Quarterly. The American Orthopaedic Association. 283,457, renewed May 26, 1951. O. G. Nov. 27.

CLASS 39

Apparel, Women's. H. Donath. 551,246, Nov. 27; Serial No. 588,012, published Sept. 4, 1951.
Brassières. Wm. Gluckin & Co., Inc. 444,606, Nov. 27; Serial No. 524,181, published Sept. 4, 1951.
Brassières. Wharton Brassiere Co., Inc. 551,342, Nov. 27; Serial No. 607,303, published Sept. 4, 1951.
Caps. The Brittany Hat Co. Inc. 551,314, Nov. 27; Serial No. 603,629, published July 24, 1951.
Clothing, Men's and boys'. McKinley Manufacturing Co., Inc. 551,171, Nov. 27; Serial No. 524,435, published July 31, 1951.
Corsets and combination corsets and brassières. International Corset Company. 286,674, renewed Sept. 1, 1951. O. G. Nov. 27.
Corsets, girdles, brassières, etc. Barcley Corset Company. 551,258, Nov. 27; Serial No. 590,795, published Sept. 4, 1951.
Dress shirts, work shirts, undershirts, etc., Men's. Fat Men's Shop, Inc. 551,222, Nov. 27; Serial No. 577,668, published July 24, 1951.
Dresses and play suits, Misses'. Carol Crawford, Inc. 551,308, Nov. 27; Serial No. 602,142, published Sept. 4, 1951.
Dresses, coats, suits, etc., Junior misses' and ladies'. R & K Dress Corporation. 551,293, Nov. 27; Serial No. 598,273, published Sept. 4, 1951.
Dungarees and slacks. I. C. Isaacs & Co., Inc. 551,187, Nov. 27; Serial No. 557,359, published July 31, 1951.
Frocks. Einhorn Brothers, Inc. 551,349–50, Nov. 27; Serial Nos. 608,594–5, published Sept. 4, 1951.
Garments, Women's combination. Charles Hirsch & Co. Inc. 551,339, Nov. 27; Serial No. 607,221, published Sept. 4, 1951.
Girdles. Van Raalte Company, Inc. 551,351, Nov. 27; Serial No. 609,113, published Sept. 4, 1951.
Hats and caps. John B. Stetson Company. 551,329, Nov. 27; Serial No. 605,499, published July 24, 1951.

Hats for men and women. Hat Corporation of America. 551,315, Nov. 27; Serial No. 603,925, published July 31, 1951.

Hats, Ladies'. Emporium World Millinery Co. 551,335, Nov. 27; Serial No. 606,518, published Aug. 21, 1951.

Hats, Ladies'. Emporium World Millinery Co. 551,336, Nov. 27; Serial No. 606,519, published July 31, 1951.

Hats, Men's. Adam Hat Stores, Inc. 551,275, Nov. 27; Serial No. 594,938, published July 24, 1951.

Hats, Men's. Joseph Kanner Hat Co., Inc. 551,229, Nov. 27; Serial No. 582,531, published July 24, 1951.

Hats, Men's and boys'. Etchison Hat Company, Inc. 551,282, Nov. 27; Serial No. 596,017, published July 24, 1951.

Hats, Women's. Emporium World Millinery Co. 551,337, Nov. 27; Serial No. 606,522, published Aug. 21, 1951.

Hats, Women's and misses'. D. B. Fisk & Company. 551,285, Nov. 27; Serial No. 597,200, published July 24, 1951.

Hosiery. Bryan Full Fashioned Mills. 551,301, Nov. 27; Serial No. 599,928, published Aug. 28, 1951.

Hosiery. M. Davidoff. 551,211, Nov. 27; Serial No. 574,217, published Aug. 28, 1951.

Hosiery. Sklaroff Bros. 289,733, renewed Dec. 1, 1951. O. G. Nov. 27.

Hosiery, Ladies'. Hanes Hosiery Mills Company. 551,396–7, Nov. 27; Serial Nos. 601,037–8.

Hosiery, Ladies'. Reamstown Hosiery Mills, Inc. 551,305, Nov. 27; Serial No. 601,464, published Aug. 28, 1951.

Hosiery, Women's. The Nolde and Horst Company. 551,334, Nov. 27; Serial No. 606,479, published Aug. 28, 1951.

Hosiery, Women's full fashioned. Berkshire Knitting Mills. 551,235, Nov. 27; Serial No. 584,849, published Aug. 28, 1951.

Jerseys, T-shirts, and sweat shirts, Men's, women's and children's. Duracraft Knitwear Company. 551,204, Nov. 27; Serial No. 568,244, published July 3, 1951.

Neckties. Stern, Merritt Co., Inc. 551,216, Nov. 27; Serial No. 575,943, published July 31, 1951.

Neckties and scarves, Men's. Cerruti, Incorporated. 551,298–9, Nov. 27; Serial Nos. 599,612–13, published July 24, 1951.

Nightgowns, pajamas and underwear, Men's, ladies' and children's. William Rifkin & Sons. 551,310, Nov. 27; Serial No. 602,336, published Aug. 28, 1951.

Outer shirts, under shirts, trousers, etc., Men's, women's, boys', girls', and children's. Siskind's Tailoring Co., Inc. 551,273, Nov. 27; Serial No. 594,668, published July 31, 1951.

Overalls and dungarees, Men's and boys'. Fitts Dry Goods Company. 551,389, Nov. 27; Serial No. 587,542.

Pajamas, pajama coats, beach coats, etc., Ladies'. Kaylon Incorporated. 551,297, Nov. 27; Serial No. 599,438, published Aug. 28, 1951.

Raincoats, Ladies'. Albatross-Franz Mayer Corp. 551,286, Nov. 27; Serial No. 597,724, published Aug. 28, 1951.

Robes. Royal Robes, Inc. 551,302, Nov. 27; Serial No. 600,354, published July 31, 1951.

Scarfs, Ladies'. J. Davis. 551,331, Nov. 27; Serial No. 605,633, published July 31, 1951.

Shirts, Children's T. Ahmco Products, Incorporated. 551,294, Nov. 27; Serial No. 598,446, published July 3, 1951.

Shirts, Men's dress, negligee, and work, and boys' shirts. H. D. Baskind & Co., Inc. 551,280, Nov. 27; Serial No. 595,806, published July 31, 1951.

Shirts, Outer. J. Harold Werner, Inc. 551,323, Nov. 27; Serial No. 604,709, published July 24, 1951.

Shirts, Outer and under, collars, neckties, etc. M. Bertish & Co., Limited. 551,174, Nov. 27; Serial No. 530,917, published July 31, 1951.

Shoes and slippers, Women's evening. Gustinettes Incorporated. 551,398, Nov. 27; Serial No. 601,143.

Shoes, Women's, misses' and children's. The Selby Shoe Company. 290,498, renewed Jan. 5, 1952. O. G. Nov. 27.

Slips and slips provided with breast pads. Sol Friedman & Sons. 551,287, Nov. 27; Serial No. 597,825, published Sept. 4, 1951.

Soles, Rubber. United States Rubber Company. 285,430, July 28, 1931. Republished Nov. 27.

Suits and coats, Men's and women's. Nick Bloom, Inc. 551,276–7, Nov. 27; Serial Nos. 595,314–15, published July 24, 1951.

Suits, Men's. Merit Clothing Company. 551,410, Nov. 27; Serial No. 610,752.

Swim suits, shorts, skirts, etc. R. M. Reid. 551,238, Nov. 27; Serial No. 586,063, published Sept. 4, 1951.

Underwear and sweaters, Ladies', misses' and girls'. Associated Lerner Shops of America, Inc. 551,304, Nov. 27; Serial No. 601,132, published Sept. 4, 1951.

Underwear, Women's and misses' knitted rayon. The Associated Merchandising Corporation. 551,219, Nov. 27; Serial No. 577,359, published May 2, 1950.

CLASS 42

Bunting. L. Bamberger & Co. 287,387, renewed Sept. 22, 1951. O. G. Nov 27.

Carpets, Woven. J. M. Adamo. 551,355, Nov. 27; Serial No. 610,399, published Sept. 4, 1951.

Cotton duck, Waterproof. The Cooley Finishing Company. 290,391, renewed Jan. 5, 1952. O. G. Nov. 27.

Curtains, Window, pillow shams, bedspreads, etc. G & G Novelties, Inc. 551,352, Nov. 27; Serial No. 609,294, published Sept. 4, 1951.

Draperies, Window. Clopay Corporation. 551,233, Nov. 27; Serial No. 584,109, published Aug. 28, 1951.

Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 551,311, Nov. 27; Serial No. 603,360, published Aug. 28, 1951.

Fabrics in the piece, Textile. Tanbro Fabrics Corp. 551,354, Nov. 27; Serial No. 610,241, published Sept. 4, 1951.

Fabrics, Textile. The Vadium Corporation. 551,291, Nov. 27; Serial No. 597,990, published Sept. 4, 1951.

Fabrics, Woven, knitted, and netted. Wortendyke Manufacturing Company. 551,390, Nov. 27; Serial No. 589,613.

Piece goods. Joseph Bancroft & Sons Co. 551,196, Nov. 27; Serial No. 561,872, published Sept. 4, 1951.

Piece goods. The Lamport Co. 551,236, Nov. 27; Serial No. 585,452, published Sept. 4, 1951.

Piece goods. Merrimack Manufacturing Company. 551,239, Nov. 27; Serial No. 586,100, published Sept. 4, 1951.

Piece goods, Cotton. Carnac Cottons, Inc. 290,681–2, Jan. 12, 1932. New certificate. O. G. Nov. 27.

Piece goods, Cotton, rayon, wool, spun rayon, and silk. Sterling Textile Printers Inc. 400,594, Mar. 23, 1943. Republished Nov. 27.

Piece goods, wide elastic webbings, and wide elastic sheetings. Darlington Fabrics Corporation. 352,915, Dec. 14, 1937. Republished Nov. 27.

Quilted plastic film. Morgalite Corporation. 551,393, Nov. 27; Serial No. 598,489.

Rugs and carpets, Textile. Nye-Wait Company, Inc. 551,313, Nov. 27; Serial No. 603,594, published Aug. 28, 1951.

Textile products, Cotton. E. T. Barwick. 551,353, Nov. 27; Serial No. 609,905, published Sept. 4, 1951.

Window hollands. John King & Son Limited. 551,197, Nov. 27; Serial No. 562,782, published Sept. 4, 1951.

CLASS 43

Thread and yarn. The Clark Thread Company. 290,675–6, renewed Jan. 12, 1952. O. G. Nov. 27.

Thread and yarn. The Thread Mills Company. 285,467, July 28, 1931. Republished Nov. 27.

Thread and yarn, Cotton. The Spool Cotton Company. 84,758–60, re-renewed Jan. 2, 1952. O. G. Nov. 27.

Threads and yarns. Contessa Yarns. 551,409, Nov. 27; Serial No. 609,714.

Yarn, Angora. The Jawine Co. 551,240, Nov. 27; Serial No. 586,284, published June 27, 1950.

Yarn, Cotton. United Hosiery Mills Corporation. 551,345, Nov. 27; Serial No. 608,183, published Sept. 4, 1951.

Yarns. Aberfoyle Manufacturing Company. 551,347, Nov. 27; Serial No. 608,402, published Sept. 4, 1951.

CLASS 44

Prophylactic rubber articles. Dean Rubber Manufacturing Company. 287,568, renewed Sept. 29, 1951. O. G. Nov. 27, 1951.

CLASS 45

Beverage, Nonalcoholic maltless. J. D. Guest. 551,374, Nov. 27; Serial No. 558,388.

Beverages, Non-alcoholic, maltless. Dr. Pepper Company. 551,375, Nov. 27; Serial No. 561,659.

Beverages, Non-alcoholic, maltless. Hartman Beverage Company. 551,400, Nov. 27; Serial No. 602,197.

Beverages, Non-alcoholic, non-cereal, maltless. Pacific Products, Inc. 287,807–9, renewed Oct. 13, 1951. O. G. Nov. 27.

Flavoring material. G. G. Balch. 551,372, Nov. 27; Serial No. 541,911.

Soft drinks, Non-alcoholic maltless, and carbonated waters. Stabilimenti Demaniali Recoaro Società per Azioni. 551,395, Nov. 27; Serial No. 600,552.

Spring water, and carbonated nonalcoholic, noncereal, maltless beverages. Jewell Water Company. 551,379, Nov. 27; Serial No. 577,576.

CLASS 46

Apples, Fresh. Gravenstein Apple Growers Cooperative Association of Sonoma County. 263,571, Nov. 5, 1929. Republished Nov. 27.

Bread. Koepplinger's Bakery. 551,341, Nov. 27; Serial No. 607,255, published Sept. 4, 1951.

Butter and cheese. Pollio Dairy Products Corporation. 551,268, Nov. 27; Serial No. 592,660, published July 31, 1951.

Candies. Martha Washington Candies Company. 290,136, renewed Dec. 22, 1951. O. G. Nov. 27.

Candy. The House of Bauer. 551,340, Nov. 27; Serial No. 607,251, published Sept. 4, 1951.

Canned fish. M. A. Rex. 551,200, Nov. 27; Serial No. 563,755, published Jan. 16, 1951.

Canned fruits, canned vegetables, canned fish, etc. I. F. Schnier. 551,321, Nov. 27; Serial No. 604,599, published Aug. 7, 1951.

Canned infant food. Maple Island, Inc. 551,257, Nov. 27; Serial No. 590,380, published Sept. 4, 1951.

Canned salmon. Key City Packing Co. 82,803, July 25, 1911. Republished Nov. 27.

Canned salmon. Oceanic Sales Co. 551,181, Nov. 27; Serial No. 548,829, published July 31, 1951.

Canned salmon. Washington Fish & Oyster Co., Inc. 551,183, Nov. 27; Serial No. 552,822, published Aug. 28, 1951.

Canned salmon. Washington Fish & Oyster Co., Inc. 551,184, Nov. 27; Serial No. 552,824, published July 17, 1951.

Canned sauerkraut. Empire State Pickling Co. 551,251, Nov. 27; Serial No. 588,857, published Aug. 7, 1951.

Cereal Breakfast. Maltex Company. 551,244, Nov. 27; Serial No. 587,641, published July 10, 1951.

Chocolate covered patties. Howard D. Johnson Company. 551,255, Nov. 27; Serial No. 589,319, published Aug. 21, 1951.

Chocolate, taffy, and crackers or biscuits. Martha Washington Candies Company. 289,599, renewed Dec. 1, 1951. O. G. Nov. 27.

Confections, Frozen. The Popsicle Corporation of the United States. 288,507, Oct. 27, 1931. Republished Nov. 27.

Donuts and pies. P. R. Essex. 551,263, Nov. 27; Serial No. 591,773, published July 17, 1951.

Edible cones. Furlo Industries, Inc. 551,190, Nov. 27; Serial No. 558,782, published Aug. 7, 1951.

Eggs, Dehydrated whole, dehydrated egg yolk, etc. Joe Lowe Co. Inc. 288,196, Oct. 20, 1931. Republished Nov. 27.

Emulsifier and stabilizer. Mixtone Products Company. 551,383, Nov. 27; Serial No. 582,796.

Feed, Concentrated calf. D. A. Long. 551,378, Nov. 27; Serial No. 576,544.

Feed supplement, Poultry and livestock. William Krout's Sons. 551,274, Nov. 27; Serial No. 594,906, published July 31, 1951.

Feeds, Dairy, horse, stock, and poultry. Tex-O-Kan Flour Mills Co. 551,300, Nov. 27; Serial No. 599,678, published May 29, 1951.

Flour, Corn, and cornstarch. Corn Products Refining Company. 551,203, Nov. 27; Serial No. 565,236, published July 24, 1951.

Flour, Self-rising wheat. Atlanta Milling Company. 551,194, Nov. 27; Serial No. 561,398, published Aug. 7, 1951.

Flour, Soy, isolated protein powder, and soy albumin powder all for human consumption. Central Soya Company, Inc. 551,169, Nov. 27; Serial No. 502,190, published Sept. 4, 1951.

Flour, Wheat. General Mills, Inc. 551,242, Nov. 27; Serial No. 587,103, published Aug. 7, 1951.

Flour, Wheat. Noblesville Milling Co. 289,739, renewed Dec. 1, 1951. O. G. Nov. 27.

Food, Dog. The Meat Products Company. 551,330, Nov. 27; Serial No. 605,600, published July 24, 1951.

Food processing products. S. B. Penick & Company. 551,332, Nov. 27; Serial No. 605,676, published July 24, 1951.

Frankfurters, smoked sausage, pigs feet, etc. Hygrade Food Products Corporation. 551,180, Nov. 27; Serial No. 546,391, published July 10, 1951.

Fruit, Fresh citrus. Deerfield Groves Company. 444,416, Feb. 20, 1951. Republished Nov. 27.

Fruits, Fresh citrus. Glendora Citrus Association. 551,182, Nov. 27; Serial No. 552,650, published July 10, 1951.

Fruits, Fresh citrus. K. Hoblitzelle. 551,267, Nov. 27; Serial No. 592,567, published July 24, 1951.

Fruits, Fresh citrus, fresh deciduous fruits, fresh vegetables, etc. Palm Terrace Fruit Company. 551,316, Nov. 27; Serial No. 603,937, published Aug. 7, 1951.

Ham, Fresh, canned and cured, fresh pork, bacon, etc. Roegelein Provision Company. 551,243, Nov. 27; Serial No. 587,287, published July 10, 1951.

Honey. R. D. Bradshaw & Sons. 551,253, Nov. 27; Serial No. 589,141, published Aug. 7, 1951.

Ice cream. Martha Washington Candies Company. 288,768, renewed Nov. 3, 1951. O. G. Nov. 27.

Ice cream. Martha Washington Candies Company. 290,326, renewed Jan. 5, 1952. O. G. Nov. 27.

Macaroni. The American Beauty Macaroni Co. 551,327, Nov. 27; Serial No. 605,291, published Aug. 28, 1951.

Macaroni, Shell-shaped. The American Beauty Macaroni Co. 551,328, Nov. 27; Serial No. 605,292, published Aug. 28, 1951.

Marshmallows. The Shotwell Mfg. Co. 551,214, Nov. 27; Serial No. 575,164, published Aug. 7, 1951.

Non-alcoholic, maltless syrups used in the preparation of frozen confections. The Popsicle Corporation of the United States. 288,393, Oct. 27, 1931. Republished Nov. 27.

Olive oil. S. A. Aceites Bau. 551,195, Nov. 27; Serial No. 561,706, published July 10, 1951.

Peas, Fresh. Wilkinson Brothers, Inc. 551,175, Nov. 27; Serial No. 532,386, published May 1, 1951.

Pork shoulder picnics, Cooked. Glaser's Provisions Co. Inc. 551,260, Nov. 27; Serial No. 591,570, published Aug. 28, 1951.

Potato chips, shoe string potatoes, pretzels and popcorn. Buckeye Foods, Inc. 551,271, Nov. 27; Serial No. 594,245, published July 31, 1951.

Potatoes, Peeled raw. T. E. Wilde & Son, Inc. 551,205, Nov. 27; Serial No. 568,475, published July 17, 1951.

Poultry. California Turkey Growers Association 551,248–50, Nov. 27; Serial Nos. 588,548–50, published Nov. 21, 1950.

Poultry, Dressed. E. M. James. 551,198, Nov. 27; Serial No. 562,936, published July 10, 1951.

Poultry, Dressed. E. H. Wene. 551,312, Nov. 27; Serial No. 603,468, published July 24, 1951.

Rice. Thomas & Howard Company. 551,333, Nov. 27; Serial No. 606,246, published Aug. 7, 1951.

Salt and buttermilk feed. R. P. Moore. 551,252, Nov. 27; Serial No. 589,108, published July 24, 1951.

Stabilizer and balancer in powdered form. A. T. Coakley. 551,292, Nov. 27; Serial No. 598,066, published Aug. 7, 1951.

Stabilizers for ices and sherbets, pectin, etc. Thomas E. O'Byrne Company. 551,192, Nov. 27; Serial No. 560,213, published Aug. 7, 1951.

Tea. Albert Ehlers, Inc. 551,193, Nov. 27; Serial No. 560,609, published July 10, 1951.

Toffee, Rum and butter flavoured. Riley Brothers (Halifax) Limited. 287,109, renewed Sept. 15, 1951. O. G. Nov. 27.

Tomato catsup and pickles. The J. Weller Co. 551,322, Nov. 27; Serial No. 604,674, published July 31, 1951.

Tomatoes, Fresh whole, and leaf lettuce. Marion County Greenhouse Growers, Inc. 551,306, Nov. 27; Serial No. 601,803, published July 31, 1951.

Turkeys, Dressed. R. C. Ferguson. 551,270, Nov. 27; Serial No. 594,027, published July 24, 1951.

Wheat offal. Montana Flour Mills Company. 551,318, Nov. 27; Serial No. 604,379, published July 31, 1951.

Yerba mate. Sociedad Anonima Mackinnon & Coelho, Limitada Compania Yerbatera. 289,781, renewed Dec. 8, 1951. O. G. Nov. 27.

CLASS 47

Wines. H & H Distributing Company, Inc. 551,403, Nov. 27; Serial No. 604,199.

Wines, Burgundy, chablis, sauterne, sherry, muscatel and port. J. Personeni. 551,405, Nov. 27; Serial No. 606,393.

CLASS 49

Whiskey, Straight bourbon, straight rye whiskey, and blended whiskey. Churchill, Limited. 426,558, Dec. 31, 1946. New certificate. O. G. Nov. 27.

CLASS 50

Bulletin boards. Albert Basse Associates, Inc. 551,381, Nov. 27; Serial No. 580,392.

Mannikins, Miniature. C. Block. 551,404, Nov. 27; Serial No. 604,612.

Plant covers. Chicopee Manufacturing Corporation. 377,979, May 21, 1940. Republished Nov. 27.

CLASS 51

Anhydrous calcium sulphate to be used as a cleaning and polishing agent in dentifrices. The Iliff-Bruff Chemical Company. 287,365, renewed Sept. 22, 1951. O. G. Nov. 27.

Hair tonics and toilet waters. Tripoli Barber Supply Co., Inc. 286,273, renewed Aug. 25, 1951. O. G. Nov. 27.

Perfume, toilet water, face powder, etc. Gabilla, Incorporated. 284,556, renewed July 7, 1951. O. G. Nov. 27.

Perfume, toilet water, face powder, etc. Gabilla, Incorporated. 287,376, renewed Sept. 22, 1951. O. G. Nov. 27.

Perfume, toilet water, talcum powder, etc. Gabilla, Incorporated. 284,951, renewed July 14, 1951. O. G. Nov. 27.

Preparation to stimulate the scalp, deep hair wave lotion, permanent wave oil, etc. Puritan Pharmaceutical Company. 291,133, renewed Jan. 26, 1952. O. G. Nov. 27.

CLASS 52

Bleaching, cleansing, antiseptic, and germicidal compounds. Clorox Chemical Co. 287,293, renewed Sept. 15, 1951. O. G. Nov. 27.

Cleaner. E. D. Ramsey. 283,010, renewed May 12, 1951. O. G. Nov. 27.

Liquid preparation used for cleaning fabric articles. The Re-Clean Corp. 551,408, Nov. 27; Serial No. 608,176.

CLASS 100

Cutting and setting of hair, the creating of permanent waves, etc. The Journeymen Barbers, Hairdressers and Cosmetologists' International Union of America. 551,369, Nov. 27; Serial No. 550,005, published Aug. 28, 1951.

Making electrical surveys. William M. Barret, Inc. 551,364, Nov. 27; Serial No. 579,305, published Aug. 28, 1951.

CLASS 101

Advertising service. Street & Smith Publications, Inc. 551,365, Nov. 27; Serial No. 596,761, published Aug. 28, 1951.

CLASS 102

Underwriting of insurance. Northwestern Mutual Fire Association. 551,361, Nov. 27; Serial No. 541,442, published Aug. 28, 1951.

CLASS 103

Rug cleaning and upholstery cleaning service. Adler and Son. 551,360, Nov. 27; Serial No. 534,585, published Aug. 28, 1951.

Services rendered to automobiles, trucks, etc. The Pure Oil Company. 551,359, Nov. 27; Serial No. 527,988, published Sept. 4, 1951.

Servicing of connection devices. Perfecting Service Company. 551,363, Nov. 27; Serial No. 564,400, published Apr. 17, 1951.

CLASS 104

Radio program broadcasting services. Columbia Broadcasting System, Inc. 551,362, Nov. 27; Serial No. 549,898, published Aug. 28, 1951.

Radio teleprinter communication services. RCA Communications, Inc. 551,366, Nov. 27; Serial No. 602,066, published Aug. 28, 1951.

CLASS 105

Air transportation. Western Air Lines, Inc. 551,414, Nov. 27; Serial No. 546,895.

CLASS 107

Entertainment service. A. Swenson. 551,367–8, Nov. 27; Serial Nos. 606,180–1, published Sept. 4, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Chambers, Albert M., Jr., assignor to The Garlock Packing Company, Palmyra, N. Y. Oil seal. Re. 23,431, Nov. 27.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. Re. 23,432, Nov. 27.

Garlock Packing Company, The, assignee: *See*—
Chambers, Albert M., Jr.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Marschner, Robert F., Homewood, assignor to Standard Oil Company, Chicago, Ill. Recovery of oxygenated compounds and hydrocarbons from mixtures thereof. Re. 23,433, Nov. 27.

Numbers, William, Washington, D. C. Closure for a container neck and a measuring cup detachably secured in said neck by said closure. Re. 23,434, Nov. 27.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Standard Oil Company, assignee: *See*—
Marschner, Robert F.

LIST OF DESIGN PATENTEES

Ampro Corporation, assignee: *See*—
Tammen, Glenn W.

Anderson, Glen W., Olidale, and D. B. Jones, Bakersfield, Calif. Portable filter press kit. 165,257, Nov. 27.

Arnold, William M., Jr., Hernando, Miss. Toy grading machine. 165,258, Nov. 27.

Baker, Frederick C., Portland, Oreg. Ceiling light fixture. 165,259, Nov. 27.

Baker, James C., South Gate, assignor to Norris Stamping & Manufacturing Company, Los Angeles, Calif. Cooking utensil handle or the like. 165,260, Nov. 27.

Barry, Lewis, Upper Darby, Pa. Advertising display stand. 165,261, Nov. 27.

Beacon Products Corporation, assignee: *See*—
Sholkin, Joseph L.

Bliss, Albert, Providence, R. I. Belt buckle. 165,262, Nov. 27.

Bright Star Battery Company, assignee: *See*—
Sparr, Frank.

Bulova Watch Company, Inc., assignee: *See*—
Fachon, Emil E.

Caprice Limited, assignee: *See*—
Levy, Sabine.

Cardevaant, Lorna T., Edwardsburg, Mich. Book end or similar article. 165,263, Nov. 27.

Carlson, Charles W., Tiffin, Ohio. Glass bowl or similar article. 165,264, Nov. 27.

Carlson, Charles W., Tiffin, Ohio. Glass vase or similar article. 165,265, Nov. 27.

Carlson, Charles W., Tiffin, Ohio. Glass vase or similar article. 165,266, Nov. 27.

Carlson, Charles W., Tiffin, Ohio. Glass vase or similar article. 165,267, Nov. 27.

Clark, Paul, assignor to Fremont Rubber Company, Fremont, Ohio. Rubber mat. 165,268, Nov. 27.

Cordell, John H., Shreveport, La. Kite reel. 165,269, Nov. 27.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cutter Corporation, assignee: *See*—
Shaeffer, Norbert.

Davis, Edward M., Brooklyn, N. Y. Key holder for a handbag or the like. 165,270, Nov. 27.

De Marsa, Valeria, Los Angeles, assignor to Triangle Studios, Elmonte, Calif. Cream pitcher or similar article. 165,271, Nov. 27.

Dioguardi, John, Brooklyn, N. Y. Combination humidifier and artificial flower holder. 165,272, Nov. 27.

Doblin, Joseph W.: *See*—
Rogers, Bruce A., and Doblin.

Dunlap, Richard J., Colorado Springs, Colo. Combined table and cabinet. 165,273, Nov. 27.

Dvonch, Louis A., Chicago, Ill. Baby's nursing bottle or similar article. 165,274, Nov. 27.

Ellmore Silver Company, Inc., The, assignee: *See*—
Lipman, Isadore A.

Faber, Jean, Flushing, N. Y. Hand painted ribbon tie or the like. 165,275, Nov. 27.

Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 165,276, Nov. 27.

Fremont Rubber Company, assignee: *See*—
Clark, Paul.

Genesio, Anthony, Glenside, Pa. Lady's stocking. 165,277, Nov. 27.

Gerhardt, Earl A., assignor to Lynchburg Hosiery Mills, Inc., Lynchburg, Va. Stocking. 165,278, Nov. 27.

Gianascol, Frank, Lynn, Mass. Clock. 165,279, Nov. 27.

Gibraltar Manufacturing Co., Inc., assignee: *See*—
Schisgall, Theodore.

Goodman, Leo V., and T. Neal, Indianapolis, Ind. Cap. 165,280, Nov. 27.

Goodson, Carl H., Jacksonville, Tex. Wire pulling and twisting tool. 165,281, Nov. 27.

Graff, George, assignor, by mesne assignments, to National Laboratories, Inc., Toledo, Ohio. Detergent mixing device. 165,282, Nov. 27.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 165,283, Nov. 27.

Handcraft Company, Inc., The, assignee: *See*—
Hiestand, Martha P.

Hiestand, Martha P., assignor to The Handcraft Company, Inc., Princeton, Wis. Slipper sock. 165,284, Nov. 27.

Honer, Henry, Los Angeles, assignor to Western Stove Co., Inc., Culver City, Calif. Stove and cabinet unit. 165,285, Nov. 27.

Jones, Durward B.: *See*—
Anderson, Glen W., and Jones.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,286, Nov. 27.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 165,287, Nov. 27.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 165,288, Nov. 27.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 165,289, Nov. 27.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 165,290, Nov. 27.

Kinney, J. Warren, Jr., assignee: *See*—
Reifsteck, Francis.

Kiser, Warren C., and C. E. Lennon, Jr., Longview, Tex. Concession stand. 165,291, Nov. 27.

Kramer, Murray B., assignor to Richlite Manufacturing Company, Chicago, Ill. Automobile gasoline door guard. 165,292, Nov. 27.

Lennon, Chesley E., Jr.: *See*—
Kiser, Warren C., and Lennon.

Leonard, Walter M.: *See*—
Walkley, William G., and Leonard.

Levy, Lillian, and C. Rosenfield, Silver Spring, Md. Bag or similar article. 165,293, Nov. 27.

Levy, Sabine, assignor to Caprice Limited, London, England. Foundation garment. 165,294, Nov. 27.

Lipman, Isadore A., assignor to The Ellmore Silver Company, Inc., Meriden, Conn. Spoon or similar article. 165,295, Nov. 27.

Luker, Jackson M., assignee: *See*—
Reifsteck, Francis.

Lynchburg Hosiery Mills, Inc., assignee: *See*—
Gerhardt, Earl A.

Mathison, Albert O., Brooklyn, N. Y. Work-holding clamp. 165,296, Nov. 27.

Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.

Nathan, Emanuel, South Orange, N. J. Eyeglass case. 165,297, Nov. 27.

National Laboratories, Inc., assignee: *See*—
Graff, George.
Neal, Thomas: *See*—
Goodman, Leo V., and Neal.
New York Merchandise Co. Inc., The, assignee: *See*—
Posner, George.
Norris Stamping & Manufacturing Company, assignee: *See*—
Baker, James C.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 165,298, Nov. 27.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 165,299, Nov. 27.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 165,300, Nov. 27.
Posner, George, assignor to The New York Merchandise Co. Inc., New York, N. Y. Box top. 165,301, Nov. 27.
Reifsteck, Francis, Champaign, Ill., assignor of one-sixth to J. W. Kinney, Jr., Cincinnati, Ohio, one-sixth to J. M. Luker, and one-sixth to R. E. Winkelmann, Urbana, Ill. Combined tail gate hinge and latch. 165,302, Nov. 27.
Richlite Manufacturing Company, assignee: *See*—
Kramer, Murray B.
Rogers, Bruce A., and J. W. Doblin, New York, N. Y. Holder for glasses. 165,303, Nov. 27.
Rosenfield, Charlotte: *See*—
Levy, Lillian, and Rosenfield.
Schisgall, Theodore, New York, N. Y., assignor to Gibraltar Manufacturing Co., Inc., Jersey City, N. J. Clockcase. 165,304, Nov. 27.
Schisgall, Theodore, New York, N. Y., assignor to Gibraltar Manufacturing Co., Inc., Jersey City, N. J. Clockcase. 165,305, Nov. 27.
Shaeffer, Norbert, Los Angeles, Calif., assignor, by mesne assignments, to Cutter Corporation. Hair-cutting comb. 165,306, Nov. 27.
Sharp, Robert A., Milwaukee, Wis. Portable steam boiler. 165,307, Nov. 27.
Sholkin, Joseph L., Newton, assignor to Beacon Products Corporation, Boston, Mass. Package of coasters. 165,308, Nov. 27.
Sparr, Frank, Bellerose, N. Y., assignor to Bright Star Battery Company, Clifton, N. J. Battery tester. 165,309, Nov. 27.
Tammen, Glenn W., Park Ridge, assignor to Ampro Corporation, Chicago, Ill. Motion-picture projector. 165,310, Nov. 27.
Thelander, W. Vincent, Toledo, Ohio. Shirt. 165,311, Nov. 27.
Triangle Studios, assignee: *See*—
de Marsa, Valeria.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Versen, Kurt, Tenafly, N. J. Table lamp. 165,312, Nov. 27.
Walkley, William G., Manly, and W. M. Leonard, Neutral Bay, New South Wales, Australia. Bottle. 165,313, Nov. 27.
Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 165,314, Nov. 27.
Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 165,315, Nov. 27.
Western Stove Co., Inc., assignee: *See*—
Honer, Henry.
Winkelmann, R. E., assignee: *See*—
Reifsteck, Francis.
Youmans, Grace A., Greenwich, Conn. Finger ring. 165,316, Nov. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

AB Svenska Fläktfabriken, assignee: *See*—
Wallin, Sven W.
Acme Visible Records, Inc., assignee: *See*—
Hall, Marchand B.
Acton Bolt Limited, assignee: *See*—
Affleck, Theodore K.
Acton, Grant M., assignor to Acton Products, Inc., Arkansas City, Kans. Beverage and food cabinet with a heating element therein. 2,576,874, Nov. 27.
Acton Products, Inc., assignee: *See*—
Acton, Grant M.
Adam, Frank, Electric Company, assignee: *See*—
Green, Floyd S.
Adams, Paul L., W. A. Norman, and C. K. Sitterly, assignors to Carr, Adams & Collier Company, Dubuque, Iowa. Storm window hanger. 2,576,662, Nov. 27.
Adams, Robert J., Ashland, Ky. Automatic valve for applying air brakes. 2,576,382, Nov. 27.
Addressograph-Multigraph Corporation, assignee: *See*—
Golliwitzer, Walter T.
Gruver, John H.
Adelman, William, Philadelphia, Pa. Advertising device. 2,576,272, Nov. 27.
Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of ureides. 2,576,895, Nov. 27.
Affleck, Theodore K., assignor to Acton Bolt Limited, London, England. Thread-rolling appliance. 2,576,709, Nov. 27.
A'Hearn, Frank L., Sharon, Pa., assignor to United States Steel Products Company. Metal container and manufacture. 2,576,767, Nov. 27.
Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Villard, Oswald G., Jr.
Wood, David S.
Aitto, George, and V. Jarvi, New York, N. Y. Necktie crease removing inserts. 2,576,273, Nov. 27.
Aktiebolaget Rosenblads Patenter, assignee: *See*—
Lockman, Carl J.
Albrecht, Otto, Neuewelt, assignor to Ciba Limited, Basel, Switzerland. Compositions of matter for producing a softening effect on textiles. 2,576,896, Nov. 27.
Albrecht, Otto, Neuewelt near Basel, assignor to Ciba Limited, Basel, Switzerland. Compositions of matter containing semiesters of dicarboxylic acids. 2,576,897, Nov. 27.
Albrecht, Otto Neuewelt near Basel, Switzerland, assignor to Ciba Limited. Semiesters of unsaturated dicarboxylic acids. 2,576,898, Nov. 27.
Albrecht, Otto, Munchenstein, assignor to Ciba Limited, Basel, Switzerland. Partial esters of polybasic sulfide carboxylic acids and making same. 2,576,899, Nov. 27.
Albright, Charles B., New York, N. Y., assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Drying and curing apparatus. 2,576,274, Nov. 27.
Allen, Philip S., Long Beach, Calif. Film transporting mechanism for automatic photographic apparatus. 2,576,204, Nov. 27.
Allen, Rufus V., Chino, Calif. Magnet cutoff valve. 2,576,168, Nov. 27.
Allenby, Owen C. W., McMasterville, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Preparation of 4-ethylcyclohexene. 2,576,743, Nov. 27.
Allied Chemical & Dye Corporation, assignee: *See*—
Farrell, James K., and Keene.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Hiles, Earl W., and Ruther.
Shaw, Ernest C., and Jensen.
Sikorra, Daniel J.
Toth, Michael
Allison Steel Manufacturing Company, assignee: *See*—
Allison, William L.
Allison, William L., assignor to Allison Steel Manufacturing Company, Phoenix, Ariz. Punch press. 2,576,328, Nov. 27.
Aluminum Company of America, assignee: *See*—
Kipfer, Max M.
Aluminum Products Corporation, assignee: *See*—
Metts, Paul E.
American Brake Shoe Company, assignee: *See*—
Dalrymple, William P.
American Cyanamid Company, assignee: *See*—
Barthel, Justus C.
Cresswell, Arthur, and Johnstone.
Gibson, Edward H.
Mecco, Jerry M.
American Viscose Corporation, assignee: *See*—
Bauer, Ernest K.
Amsco Packaging Machinery Inc., assignee: *See*—
Messmer, Edwin E., and Sylvester.
Ancrum, Robert W., Stockton-on-Tees, England, assignor to National Lead Company, New York, N. Y. Manufacture of titanium pigments. 2,576,434, Nov. 27.
Anderau, Walter, assignor to Ciba Limited, Basel, Switzerland. Trisazo dyestuffs. 2,576,768, Nov. 27.
Anderson, Emil S., Chicago, Ill. Extension attachment for boats. 2,576,744, Nov. 27.
Anderson, John R., assignor to Koppers Company, Inc., Pittsburgh, Pa. Purification of coke oven benzene. 2,576,092, Nov. 27.
Andreasen, Svend V., assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England. Electrolytic cells. 2,576,553, Nov. 27.
Andrews, Mark B., Kirkwood, Mo. Tape rewinding device and method. 2,576,710, Nov. 27.
Angle, Glenn D., Thomaston, assignor to The New Britain Machine Company, New Britain, Conn. Cylinder head. 2,576,819, Nov. 27.
Apex Accessories Co., Inc., assignee: *See*—
Jaccarino, Frederick, and Pinson.
Pinson, Alfred.
Apperson, Lester D., Flushing, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Denture cleansing composition. 2,576,205, Nov. 27.
Arditi, Maurice, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Cathode-ray tube circuit. 2,576,093, Nov. 27.
Arenco, Aktiebolag, assignee: *See*—
Danielsson, Paul.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Tykulsky, Alexander.
Arrow-Hart & Hegeman Electric Co., The, assignee: *See*—
Bentley, Robert H.
Artkraft Manufacturing Corporation, assignee: *See*—
Money, Roland H.
Arvey Corporation, assignee: *See*—
Roach, Earl M.
Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Locking and pressure release mechanism for hydraulic motors. 2,576,554, Nov. 27.
Ashton, George W., Sheffield, assignor to Samuel Fox and Company Limited, near Sheffield, England. Heat treatment of strip metals. 2,576,169, Nov. 27.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,576,663, Nov. 27.
Atkinson, Arthur L., assignee: *See*—
Brown, Frank M.
Atwood, William E., Glendale, and R. L. Holland, Sunland, Calif. Fuel tank. 2,576,555, Nov. 27.
Austin, Donald D., Sr., and K. J. Davis, assignors to National Broach and Machine Company, Detroit, Mich. Work locating and driving mechanism. 2,576,497, Nov. 27.
Auten, Howard L., East Peoria, Ill. Machine for buffing, sanding, and the like. 2,576,745, Nov. 27.
Autogiro Company of America, assignee: *See*—
Stanley, Paul H.
Automatic Electric Laboratories, Inc., assignee: *See*—
Dorr, Clarence J.
Griffins, Morris E.
Avco Manufacturing Corporation, assignee: *See*—
Benson, Ralph L.
Avedikian, Souren Z., Larchmont, N. Y. Making hyposulfites by means of amalgam. 2,576,769, Nov. 27.
Avery, Dallas B., Pontiac, assignor of one-half to H. A. and L. E. Watson, Capac, Mich. Connecting a trailer to a draft vehicle. 2,576,383, Nov. 27.
Avila, Abelardo G.: *See*—
Folkenroth, Earl E., and Avila.
Babson, Roger W., Wellesley, Mass., assignor to Gravity-Research Foundation, New Boston, N. H. Stairway with movable handrail. 2,576,556, Nov. 27.
Bachrach, Charles, assignor to The Delman Corporation, Des Moines, Iowa. Nozzle support. 2,576,435, Nov. 27.
Baguley, Eric: *See*—
Weston, William K., and Baguley.
Baker, James G., Orinda, Calif., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Telephoto type objective lens. 2,576,436, Nov. 27.
Baker Perkins Inc., assignee, *See*—
Ott, Conrad L.

Baldwin Company, The, assignee: *See*—
Jones, Edward M.
Jones, Edward M., and Williamson.
Mork, Raymond P.

Baldwin, Franklin H.: *See*—
Hill, Eugene F., and Baldwin.

Baldwin-Hill Company, assignee: *See*—
Minnick, Leonard J.

Baldwin, Jack R.: *See*—
Hines, Judson T., and Baldwin.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Ruge, Arthur C.

Ballou, Byron O., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Capacitor for radio-frequency circuits. 2,576,770, Nov. 27.

Bamberger, Alfred A.: *See*—
Simpson, Hobart A., and Bamberger.

Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Reversible gel composition comprising polyvinyl alcohol and preparation. 2,576,820, Nov. 27.

Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Transparent, colorless, color-stable resins of haloacrylic compounds. 2,576,821, Nov. 27.

Barnes, James F., Chicago, Ill. Sifter having agitator bodies. 2,576,746, Nov. 27.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Level ratio measuring system. 2,576,249, Nov. 27.

Barry, Joseph F., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric contacts. 2,576,437, Nov. 27.

Barsky, George, New York, and F. A. Strauss, Staten Island, N. Y. Amino-aldehyde resin solutions and preparing them. 2,576,711, Nov. 27.

Barth, Frank J., Jamaica, N. Y., assignor of one-half to E. Fraundorfer, Rego Park, N. Y. Making plastic bridgework. 2,576,206, Nov. 27.

Barthel, Justus C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Noncrystallizing rosin and preparing the same. 2,576,094, Nov. 27.

Bartsch, Ernst A., Chicago, Ill. Bobby pin holder and opener. 2,576,822, Nov. 27.

Bassoff, Arthur, assignor to National Broach & Machine Company, Detroit, Mich. Tail stock. 2,576,498, Nov. 27.

Battle Creek Bread Wrapping Company, assignee: *See*—
Smith, John W.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Staple fiber cutter. 2,576,170, Nov. 27.

Baum, William G., assignor to Inland Steel Products Company, Milwaukee, Wis. Partition base clip. 2,576,557, Nov. 27.

Bausch & Lomb Optical Company, assignee: *See*—
Jones, Burr W.
Kreidl, Norbert J., and Brewster.

Baxter, James G.: *See*—
Crowley, John D., Robeson, Shantz, Weisler, and Baxter.

Beach, Willard C., Montville, N. J. Self-locking screw-threaded element. 2,576,438, Nov. 27.

Beaudoin, David E., assignee: *See*—
Super, Paul J.

Beck, Nico, Zurich, and W. Borcovec, Locarno/Muralto, Switzerland. Toy chain. 2,576,439, Nov. 27.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Heavy-duty transmission. 2,576,478, Nov. 27.

Bede, James A., Cleveland, Ohio. Paint heater. 2,576,538, Nov. 27.

Bee-Line Company, assignee: *See*—
Smith, Roy D.

Beech Aircraft Corporation, assignee: *See*—
Wilson, Leonard L., Jr.

Belaef, Nikolai N.: *See*—
Brandstroin, Fred, and Belaef.

Belden, Edith M., Chicago, Ill. Mattress cover. 2,576,207, Nov. 27.

Bell, Persa R., Jr., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Variable band width circuit. 2,576,329, Nov. 27.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Barney, Harold L.
Barry, Joseph F.
Clsne, Luther E.
Dalton, John F.
Goodall, William M.
Hewitt, William H., Jr.
Hilsinger, Harry A., Jr.
Kock, Winston E.
Lange, Russell W.
Mallina, Rudolph F.
Rodwin, George.
Scaff, Jack H., and Theuerer.

Bench, David E.: *See*—
Fink, Albert O., and Bench.

Bench, David E., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Apparatus for filtering. 2,576,275, Nov. 27.

Bendix Aviation Corporation, assignee: *See*—
Faatz, Embry D.
Frei, Jakob R., and Root.
Holmes, William R.
Parker, Leland C.

Bennek, John D., Milwaukee, Wis. Gun sling. 2,576,559, Nov. 27.

Bennett, Ralph E., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Treatment of corn steep liquor for streptomycin production. 2,576,513, Nov. 27.

Benning, Anthony F., Woodstown, N. J., J. D. Park, Boulder, Colo., and S. E. Krahler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorination with granular CrF_3 catalyst. 2,576,823, Nov. 27.

Benninghoff, William L., Waite Hill Village, and A. F. Robertson, South Euclid, assignors to The Pipe Machinery Company, Cleveland, Ohio. Machine tool. 2,576,095, Nov. 27.

Benson, Ralph L., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Refrigerator cabinet construction having heat exchange inner walls. 2,576,208, Nov. 27.

Bentley, Mark, San Francisco, Calif. Windbreak. 2,576,384, Nov. 27.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Operating mechanism for electric switches. 2,576,771, Nov. 27.

Berger, Hays L., assignor to V. M. Berger, Washington, D. C. Bird scaring device. 2,576,209, Nov. 27.

Berger, Veleita M., assignee: *See*—
Berger, Hays L.

Berglund, Orion W., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Apparatus for making flock covered paper. 2,576,276, Nov. 27.

Bergmans, Jan, and D. Vermeulen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Searchlight. 2,576,875, Nov. 27.

Berindei, Matei: *See*—
Nemet, Anthony, and Berindei.

Beringer, Edward R., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Ionization gauge. 2,576,330, Nov. 27.

Berlien, Paul B., Fort Wayne, Ind., assignor to General Electric Company. Twist drill. 2,576,664, Nov. 27.

Berman, Joseph E.: *See*—
Toulmin, Harry A., Jr., and Berman.

Bernet, Edwin J., and E. C. Hutter, Charlottesville, Va., assignors to Institute of Textile Technology. Uniformity meter. 2,576,772, Nov. 27.

Best, Frank E., Indianapolis, Ind. Privacy latch. 2,576,440, Nov. 27.

Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.

Blanco, Henry R., Herculaneum, Mo., A. H. W. Busby and R. A. Giles, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Pyrometer. 2,576,514, Nov. 27.

Bickley, N. A., assignee: *See*—
Rath, Lee A.

Bidmon, Frank J., Rockford, Ill. Combination toothbrush, water glass, and soap holder. 2,576,560, Nov. 27.

Biegen, John M., Great Neck, N. Y. Extendable step ladder. 2,576,277, Nov. 27.

Bigelow-Sanford Carpet Company, Inc., assignee: *See*—
Jackson, Robert J.

Bigsby, Robert L., Lancaster, Mo. Extensible storage compartment for automobiles. 2,576,385, Nov. 27.

Binford, Benjamin L., assignor to Magnetrol, Inc., Chicago, Ill. Magnetic control device. 2,576,561, Nov. 27.

Bird, Paul G., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Inhibition of scale formation in steam generation. 2,576,386, Nov. 27.

Bixler, Harley H., Erie, Pa., assignor to General Electric Company. Air circulating arrangement for refrigerators. 2,576,665, Nov. 27.

Blanchette, Hilaire, St.-Simon de Drummond, Quebec, Canada. Molding and wrapping machine. 2,576,096, Nov. 27.

Blewett, Kirby A., Corpus Christi, Tex. Swivel joint. 2,576,563, Nov. 27.

Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, Kansas City, Mo., trustee. Doorknob structure. 2,576,441, Nov. 27.

Bloomquist, Paul O.: *See*—
Jimenez, James A., Bloomquist, and Wells.

Bluestone, Henry, and R. E. Lidov, Denver, J. H. Knaus, Longmont, and P. W. Howerton, assignors to Julius Hyman & Company, Denver, Colo. Producing heptachlor. 2,576,666, Nov. 27.

Bly, Simon, New York, N. Y. Envelope frame picture card. 2,576,667, Nov. 27.

Bode, John N., Birmingham, Mich. Laminated paper product. 2,576,278, Nov. 27.

Bojner, Gustav, Stockholm, Sweden. Device for friction driven drums. 2,576,210, Nov. 27.

Bone, Arnold R., Needham, assignor to Dennison Manufacturing Company, Framingham, Mass. Tag notching machine. 2,576,211, Nov. 27.

Boon, William R., H. C. Carrington, and C. H. Vasey, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 4,6-diketo-5,5-disubstituted pyrimidines and preparing same. 2,576,279, Nov. 27.

Borcovec, Werner: *See*—
Beck, Nico, and Borcovec.

Borden Company, The, assignee: *See*—
Novotny, Emil E., and Vogelsang.
Vogelsang, George K.

Borglin, Joseph N., Wilmington, Del., and I. Woodcock, Upper Black Eddy, Pa., assignors to Hercules Powder Company, Wilmington, Del. Biological oxygen demand reduction process. 2,576,442, Nov. 27.

Bourgonjon, Raymond L.: *See*—
Koole, Pieter, Bourgonjon, and de Lange.

Bowan, Walter J.: *See*—
Mueller, Frank H., and Bowan.

Bowes, Henry N., Rochester, N. Y., assignor to Stromberg-Carlson Company. Frequency stabilized phase shifting network. 2,576,499, Nov. 27.

Bowser, Percy L., Jr.: *See*—
Venner, William M., and Bowser.

Boyko, John, Union, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymerization of liquid polymerizable organic compounds in elongated shapes. 2,576,712, Nov. 27.

Bramhall, George H., Cleveland, Ohio, assignor to General Electric Company. Controllable pressure means for spraying liquids and the like. 2,576,668, Nov. 27.

Bramhall, George H., Cleveland, Ohio, assignor to General Electric Company. Rotary valve sprayer. 2,576,669, Nov. 27.

Brandstrom, Fred, and N. N. Belaef, Westport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure regulator. 2,576,443, Nov. 27.

Bratt, Nils, Chicago, Ill. Apparatus for raising curtains, shades, and blinds. 2,576,171, Nov. 27.

Bray, Frederick H., L. R. Brown, and D. S. Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Automatic telephone selective switching system. 2,576,097, Nov. 27.

Bray, Frederick H., and D. S. Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Storage of electrical impulses. 2,576,098, Nov. 27.

Bray, Frederick H., G. C. Hartley, and D. S. Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electrical translator of binary code to decimal code. 2,576,099, Nov. 27.

Breitenstein, John S.: *See*—
Cole, Sandford S., and Breitenstein.

Brenkert, Karl, Detroit, Mich., assignor to Radio Corporation of America. Compensating mechanism for motion-picture machines. 2,576,713, Nov. 27.

Brewster, Gordon F.: *See*—
Kreidl, Norbert J., and Brewster.

Brichard, Edgard, Jumet, M. Delacuvellerie, Loverval, and P. Malicheff, Couillet, assignors to Union Des Verreries Mecaniques Belges, S. A., Charlerol, Belgium. Cutter tool control for glass cutting machines. 2,576,564, Nov. 27.

Brockman, Frank G., Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Frequency measuring device. 2,576,900, Nov. 27.

Brooks, Eugene H., Dallas, Tex., assignor to Continental Gin Company. Apparatus for opening and cleaning lint cotton. 2,576,280, Nov. 27.

Brown, Charles R., Llanerch, assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Ceramic product and making the same. 2,576,565, Nov. 27.

Brown, Charles R., North Wales, assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Agglomerated body and preparing same. 2,576,566, Nov. 27.

Brown, Frank M., assignor to A. L. Atkinson, Bakersfield, Calif. Cotton boll guide for cotton-picking machines. 2,576,567, Nov. 27.

Brown, Leslie R.: *See*—
Bray, Frederick H., Brown, and Ridler.

Brown, Sanborn C., Cambridge, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Voltage stabilizing system and tube. 2,576,100, Nov. 27.

Brubaker, D. H., assignee: *See*—
Williams, Williar R.

Brubaker, George P., Los Angeles, Calif., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y. Sound recorder. 2,576,250, Nov. 27.

Bruce, E. L., Co., assignee: *See*—
Lyons, Frank H.

Brueckner, Herbert, assignee: *See*—
Esley, Wayne B.

Bryant, Austin U., Berkeley, Calif. Liquid dispenser with means to vary a measured discharge. 2,576,747, Nov. 27.

Bryner, Joseph S.: *See*—
Kihlgren, Theodore E., and Bryner.

Buell, Young K., New York, N. Y., assignor to R. M. Hilliard, as Commissioner of Welfare of the City of New York. Bulkhead door structure. 2,576,387, Nov. 27.

Bullers Limited, assignee: *See*—
Perrins, George.

Burge, James S., and R. M. Goodwin, Anderson, and H. J. McKee, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich. Coil-winding machine. 2,576,568, Nov. 27.

Burleson, Normal E., Sr., Knoxville, Tenn. Fluke anchor. 2,576,172, Nov. 27.

Burlington Instrument Company, assignee: *See*—
Emery, Weldon C.

Burndy Engineering Company, Inc., assignee: *See*—
Matthysse, Irving F.
Rogoff, Julian.

Burns, Gerald, assignee: *See*—
Esley, Wayne B.

Burtenshaw, George H., Auckland, New Zealand. Dental demonstrating apparatus. 2,576,569, Nov. 27.

Burwell, Blair, Grand Junction, Colo., assignor to Climax Uranium Company. Treatment of vanadium and uranium ores. 2,576,101, Nov. 27.

Busby, Arthur H. W.: *See*—
Blanco, Henry R., Busby, and Giles.

Bush, Ean L., San Francisco, Calif. Wheel suspension for trailers. 2,576,824, Nov. 27.

Buxton, Sidney W., Nottingham, England. Locking device for bicycles. 2,576,773, Nov. 27.

C. A. V. Limited, assignee: *See*—
Evans, Fraser M.

California Research Corporation, assignee: *See*—
Miller, Robert J.

Callahan, Henry O., administrator: *See*—
Super, Paul J.

Callahan, Thomas F., West Newton, and F. G. White, Watertown, Mass. Register. 2,576,102, Nov. 27.

Canadian Industries Limited, assignee: *See*—
Allenby, Owen C. W.

Capital Machine Company, assignee: *See*—
Koss, Louis F.

Carlson, Elmer T., New Britain, Conn., assignor, by mesne assignments, to General Electric Company. Support for bus bars in a duct system of distribution. 2,576,774, Nov. 27.

Carmichael, Gershom N., Griggsville, Ill. Antenna structure. 2,576,748, Nov. 27.

Carpentier, Pascal J., Paris, France. Producing light and resistant cellular bodies. 2,576,749, Nov. 27.

Carr, Adams & Collier Company, assignee: *See*—
Adams, Paul L., Norman, and Sitterly.

Carr, Aloysius J., Knightstown, Ind. Corrugating machine. 2,576,281, Nov. 27.

Carrington, Herbert C.: *See*—
Boon, William R., Carrington, and Vasey.

Carroll, Richard H.: *See*—
Servis, Richard J., Carroll, and Tullar.

Carter, Daniel B., Rockford, Ill. Fishing rod holder. 2,576,212, Nov. 27.

Case, Frank D., Reading, assignor to Diamond Instrument Company, Wakefield, Mass. Seismometer system. 2,576,775, Nov. 27.

Cassella Farbwerke Mainkur, assignee: *See*—
Persch, Walther.

Castedello, William: *See*—
Schwartz, Morris, and Castedello.

Castelli, Xavier F., assignor to Societe Cri-Dan, Paris, France. Screw machine. 2,576,570, Nov. 27.

Cauble, Raymond R., Indianapolis, Ind. Trash cutting attachment for breaking plows. 2,576,500, Nov. 27.

Cavagnaro, John L.: *See*—
Cavagnaro, Nicholas J., Jr., and J. L.

Cavagnaro, N. J., & Sons Machine Corporation, assignee: *See*—
Cavagnaro, Nicholas J., Jr., and J. L.

Cavagnaro, Nicholas J., Jr., Hicksville, and J. L. Cavagnaro, assignors to N. J. Cavagnaro & Sons Machine Corporation, Brooklyn, N. Y. Hydraulic expressor. 2,576,776, Nov. 27.

Cawley, John D., C. D. Robeson, E. M. Shantz, L. Weisler, and J. G. Baxter, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Synthesis of vitamin A active compounds containing repeated isoprene units. 2,576,103, Nov. 27.

Celanese Corporation of America, assignee: *See*—
Fletcher, Walter.
Shugar, Gershon J., and Paist.

Chambers, Russell J., Cedar Rapids, Iowa. Injector for injecting caustic or acid fluids. 2,576,282, Nov. 27.

Chaney, Preston E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Separating shale cuttings from drilling mud containing plastering agents. 2,576,283, Nov. 27.

Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Heat exchanger. 2,576,213, Nov. 27.

Chauvin, André A., Paris, France. File binder. 2,576,571, Nov. 27.

Chicago Bridge & Iron Company, assignee: *See*—
Moyer, Frederick D.
Zick, Leonard P.

Childs, John C., U. S. Navy. Balancing device for aircraft rotors. 2,576,105, Nov. 27.

Ciba Limited, assignee: *See*—
Albrecht, Otto.
Anderau, Walter.
Oesterlein, Fritz.

Cinema-Television Limited, assignee: *See*—
Elbourn, Roland W., and Johnson.
Clsne, Luther E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode spacer structure for electron discharge devices. 2,576,251, Nov. 27.
City National Bank and Trust Company of Chicago, trustee, assignee: *See*—
Frankel, Leo.
Claflin, Roland S., Park Ridge, Ill. Child's spoon. 2,576,388, Nov. 27.
Clapp, Chester B., Oakland, Calif. Ash tray. 2,576,572, Nov. 27.
Clark, Ernest R., La Verne, Calif. Panel for use in photographing movie titles and the like. 2,576,573, Nov. 27.
Clark, Robert H., assignee: *See*—
Wilson, Harry C.
Clark, Willie V., Washington, D. C. Collapsible cabinet. 2,576,750, Nov. 27.
Clements, George T., Detroit, Mich. Window construction. 2,576,777, Nov. 27.
Climax Molybdenum Company, assignee: *See*—
Linz, Arthur.
Climax Uranium Company, assignee: *See*—
Burwell, Blair.
Cline, Earl E.: *See*—
Mueller, Robert H., and Cline.
Clinefelter, James C., Akron, Ohio. Treating plastic materials such as rubber. 2,576,444, Nov. 27.
Close, Richard N., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Bombsight computer. 2,576,331, Nov. 27.
Cochran, Emiliene, executrix, assignee: *See*—
Cochran, Russell W.
Cochran, Russell W., deceased; E. Cochran, executrix, assignor to E. Cochran, Aliquippa, Pa. Fault indicating system for control circuits. 2,576,574, Nov. 27.
Cohen, Morris, assignor to Interstate Bakeries Corporation, Kansas City, Mo. Continuous dough feed. 2,576,670, Nov. 27.
Colt, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Shipping container. 2,576,671, Nov. 27.
Colt, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Stackable pallet type crate. 2,576,672, Nov. 27.
Cole, Prentiss L., Palo Alto, Calif. Fluid seal. 2,576,673, Nov. 27.
Cole, Sandford S., Metuchen, and J. S. Breitenstein, Linden, N. J., assignors to National Lead Company, New York, N. Y. Recovery of vanadium values from an alkali metal vanadate solution. 2,576,445, Nov. 27.
Coleman, Sydney G.: *See*—
Oberstar, Edward C., and Coleman.
Colgate-Palmolive-Peet Company, assignee: *See*—
Apperson, Lester D.
Collins, Lowell J., Oakland, Calif. Machine for mixing and kneading food products and the like. 2,576,575, Nov. 27.
Collins Radio Company, assignee: *See*—
Moseley, Francis L.
Columbus Auto Parts Company, The, assignee: *See*—
Flumerfelt, William A.
Commercial Solvents Corporation, assignee: *See*—
Bennett, Ralph E.
Morey, Glen H.
Schmitz, Fred W.
Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Bench, David E.
Berglund, Orion W.
Ernst, Walter.
Fink, Albert O.
Fink, Albert O., and Bench.
Stuart, Fred E.
Toulmin, Harry A., Jr.
Vlad, John, and Fisher.
Condon, Robert S., Rutland, Vt., assignor, by mesne assignments, to Continental Can Company, New York, N. Y. Sealing end closures to containers. 2,576,446, Nov. 27.
Conner, Leon, Dallas, Tex. Oven. 2,576,252, Nov. 27.
Consolidated Mining and Smelting Company of Canada, Limited, The, assignee: *See*—
Bianco, Henry R., Busby, and Giles.
Container Corporation of America, assignee: *See*—
Holy, Mitchel E.
Continental Can Company, assignee: *See*—
Condon, Robert S.
Continental Can Company, Inc., assignee: *See*—
Johnson, Scott R.
Continental Gin Company, assignee: *See*—
Brooks, Eugene H.
Cook, Roland T., assignor to New Jersey Optical Company, Irvington, N. J. Spectacle frame made of tubular metallic stock. 2,576,778, Nov. 27.
Cornelius, James R., Coventry, England. Electronic comparator for analyzing ferrous and nonferrous material. 2,576,173, Nov. 27.
Corning Glass Works, assignee: *See*—
Pond, Leander N.
Corson, G. and W. H., Inc., assignee: *See*—
Brown, Charles R.
Coulter, Samuel T., St. Paul, Minn., R. E. Montonna, Syracuse, N. Y., and A. S. Kitzes, St. Paul, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Spray drying apparatus. 2,576,264, Nov. 27.
Court, Frank T., assignor to Deere & Company, Moline, Ill. Implement attachment means. 2,576,779, Nov. 27.
Court, Frank T., assignor to Deere & Company, Moline, Ill. Tractor mounted cultivator. 2,576,780, Nov. 27.
Cox, Chester A., Cleveland, Ohio. Slide holder for projectors. 2,576,714, Nov. 27.
Craighead, Philip B., Milwaukee, and G. H. Nelson, Wauwatosa, assignors to Safway Steel Products, Inc., Milwaukee, Wis. Telescoping tower. 2,576,389, Nov. 27.
Crane Co., assignee: *See*—
Glauque, Charles A.
Cresswell, Arthur, Stamford, and E. P. Johnstone, Jr., Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Lubricated thread. 2,576,576, Nov. 27.
Cresswell Roll Forming Company Limited, assignee: *See*—
Kinghorn, Charles M.
Criss, Clarence C., Arkansas City, Kans. Liquid tank marker. 2,576,577, Nov. 27.
Crocchi, Piero, Milan, Italy. Vapor electricity generator set. 2,576,284, Nov. 27.
Cross, John F.: *See*—
Lang, Karl A., and Cross.
Curioni, Aldo R., assignor to Sarioni Company, Inc., New York, N. Y. Dispensing machine. 2,576,781, Nov. 27.
Curry, Samuel D.: *See*—
McBride, Miles M. and L. L., and Curry.
Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. N-dicyclohexyl, dialkylamino-alkanamides. 2,576,106, Nov. 27.
Cutter Corporation, assignee: *See*—
Mansfield, Warren M.
Daley, Paul L., and S. N. Lutz, Elwood City, Pa., assignors to National Tube Company. Making hot mill tools. 2,576,782, Nov. 27.
Delmar, Geza S., Montreal, and E. N. Macallum, Como, Quebec, assignors to Sharp & Dohme (Canada) Ltd., Toronto, Ontario, Canada. Manufacturing carboxy acyl derivatives of sulfanilamides. 2,576,825, Nov. 27.
Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Valve mechanism. 2,576,578, Nov. 27.
Dalton, John F., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Head telephone set supports. 2,576,447, Nov. 27.
Dalton, Philip B., assignor to Sun Chemical Corporation, New York, N. Y. N-methacroyl N'-(methyl-alanyl) methylene diamides. 2,576,501, Nov. 27.
Dalton, Philip B., assignor to Sun Chemical Corporation, New York, N. Y. Polymers of reaction products of alkyl amines and methylene-bis-methacrylamide. 2,576,502, Nov. 27.
Danforth, Richard S., Berkeley, assignor to R. H. Eckhoff, Piedmont, Calif., as trustee. Anchor. 2,576,390, Nov. 27.
Danielson, Vernon S., Dolton, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for railway draft riggings. 2,576,214, Nov. 27.
Danielsson, Paul, Stora Essingen, assignor to Arenco Aktiebolag, Stockholm, Sweden. Fish positioning machine. 2,576,215, Nov. 27.
Dan River Mills, Incorporated, assignee: *See*—
Spangler, Myrtle J.
Danser, Harold W., Jr.: *See*—
Horsley, Caperton B., and Danser.
Daudt, William H., assignor to Dow Corning Corporation, Midland, Mich. Production of phenyltrichlorosilane. 2,576,448, Nov. 27.
Davidson, John T.: *See*—
Stimson, Percy G., and Davidson.
Davis, John C., and J. D., Royal Oak, Mich. Endless conveyer storage system. 2,576,107, Nov. 27.
Davis, John D.: *See*—
Davis, John C., and J. D.
Davis, Kenneth J.: *See*—
Austin, Donald D., Sr., and Davis.
Dayton Pump & Manufacturing Company, The, assignee: *See*—
Von Rotz, Robert.
D'Azzo, Errol P., Brooklyn, N. Y. Awning box. 2,576,391, Nov. 27.
Dean, John J., Pomona, Calif. Air cooler. 2,576,503, Nov. 27.
Dearborn Stove Company, assignee: *See*—
Shapiro, Eli.
Deere & Company, assignee: *See*—
Court, Frank T.
Oehler, William P.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyethylated hydrophile derivatives of certain fractional esters of triricinolein. 2,576,285, Nov. 27.
De Jong, Henry W., Berkeley, assignor to Shell Development Company, Emeryville, Calif. Preparation of delta-valerolactones. 2,576,901, Nov. 27.
Delacuvellerie, Marc: *See*—
Brichard, Edgard, Delacuvellerie, and Malicheff.

De Lange, Hendrik: *See*—
Koole, Pieter, Bourgonjon, and de Lange.
Delman Corporation, The, assignee: *See*—
Bachrach, Charles.
De Lyra, Joseph L., Brooklyn, N. Y. Safety pin. 2,576,449, Nov. 27.
De Marval, Cirilo, Buenos Aires, Argentina. Auxiliary carburetion device. 2,576,450, Nov. 27.
Denine, James B., administrator: *See*—
Denine, Martin A.
Denine, Martin A., deceased; by J. B. Denine, administrator, Los Angeles, Calif., assignor, by decree of distribution, to J. B. Denine. Separable electric plug. 2,576,174, Nov. 27.
Dennis, Albert E., Philadelphia, Pa. Racehorse toy. 2,576,674, Nov. 27.
Dennison Manufacturing Company, assignee: *See*—
Bone, Arnold R.
Derck, Josephine, Sparta, Mich. Strainer. 2,576,332, Nov. 27.
Designers For Industry, Inc., assignee: *See*—
Kreiner, Anthony J.
Detrex Corporation, assignee: *See*—
Secrist, John H., and Petering.
Detroit Hardware Manufacturing Company, assignee: *See*—
Jewett, Deane N.
De Vilbiss Company, The, assignee: *See*—
Gamble, Harold R.
Peeps, Donald J.
Dewey, Janette D., Canandaigua, N. Y. Pamphlet identifying device. 2,576,783, Nov. 27.
Diamond Instrument Company, assignee: *See*—
Case, Frank D.
Dickson, John, Huntington Woods, and K. L. Hulsing, Plymouth, assignors to General Motors Corporation, Detroit, Mich. Fuel injection pump. 2,576,451, Nov. 27.
Dictaphone Corporation, assignee: *See*—
Brubaker, George P.
Dobbs, Frank G., and S. H., New York, N. Y. Binding laminated material. 2,576,826, Nov. 27.
Dobbs, Stephen H.: *See*—
Dobbs, Frank G., and S. H.
Dodds, Clinton C.: *See*—
Dodds, Galen, and C. C.
Dodds, Galen, and C. C., Onaga, Kans. Automatic hay baler control. 2,576,784, Nov. 27.
Donahue, William E., Pullman, Wash., and S. B. Luce, La Grange, assignors to Swift & Company, Chicago, Ill. Acidified aqueous emulsions of polyvinyl acetate containing hydroquinone and making. 2,576,827, Nov. 27.
Donkelaar, Jacobus J., and G. B. Knos, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Crossbar switch for automatic telephone installations. 2,576,785, Nov. 27.
Donovan, Raymond F., Huntington, N. Y., assignor of thirty-five per cent to J. J. Murphy, Chicago, Ill. Cone grip lock nut. 2,576,579, Nov. 27.
Dorr, Clarence J., Tuckahoe, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Selective calling system. 2,576,216, Nov. 27.
Dortmund, Paul H., Columbus, Ohio. Expansible tool handle. 2,576,751, Nov. 27.
Dow Corning Corporation, assignee: *See*—
Daudt, William H.
Speier, John L., Jr.
Downes, Daniel T., Creighton, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Laminated glass unit. 2,576,392, Nov. 27.
Drow, Donald F., Los Angeles, Calif., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company. Safety control system for heat appliances. 2,576,675, Nov. 27.
Duby, Clarence J., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Flow brightening electrodeposited tin on tinplate. 2,576,902, Nov. 27.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Benning, Anthony F., Park, and Krahler.
Boyko, John.
Irwin, Carl F.
Marks, Barnard M.
Murray, Otis W.
Eagle Machinery Co., Ltd., assignee: *See*—
Mosher, Oren G.
Earll, Frank L., Los Angeles, Calif. Valve grinder. 2,576,333, Nov. 27.
Eastman Kodak Company, assignee: *See*—
Cawley, John D., Robeson, Shantz, Weisler, and Baxter.
Hagemeyer, Hugh J., Jr.
Shantz, Edgar M., Robeson, and Kascher.
Eckhoff, Robert H., trustee, assignee: *See*—
Danforth, Richard S.
Edwards, Albert G., Diamond Springs, assignor to Mero Co. Inc., Modesto, Calif. Bottle cap. 2,576,580, Nov. 27.
Edwards, Benjamin F., Mojave, Calif. Polyfocal spectacles. 2,576,581, Nov. 27.
Eggleston, Ira S., St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Extensible belt conveyer. 2,576,217, Nov. 27.
Ehlinger, Marcel: *See*—
Mercier, Ernest, and Ehlinger.
Ehmke, Henry C., Waterloo, Iowa. Trouser and skirt hanger. 2,576,089, Nov. 27.
Eisenberg, Murray, New York, N. Y. Quick release attachment for vise grip pliers. 2,576,286, Nov. 27.
Eitel-McCullough, Inc., assignee: *See*—
Ballou, Byron O.
Elbourn, Roland W., Southall, and L. R. J. Johnson, Hayes, assignors to Cinema-Television Limited, London, England. Frequency division for television systems. 2,576,676, Nov. 27.
Electric Steam Radiator Corporation, assignee: *See*—
Fisher, Roy R.
Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.
Electrolux Corporation, assignee: *See*—
Wahlberg, Eric C.
Electronic Chemical Engineering Company, assignee: *See*—
Smith, Kenneth A., and Grinnell.
Elgin National Watch Company, assignee: *See*—
Wochos, Wenzel M., Jr., and Waindle.
Elliott, Floyd A., San Diego, Calif. Scooter starter unit. 2,576,582, Nov. 27.
Emery, Weldon C., Des Moines, assignor to Burlington Instrument Company, Burlington, Iowa. Detachable lamp assembly for illuminating instruments. 2,576,583, Nov. 27.
Emmett Machine & Manufacturing, Inc., assignee: *See*—
Sutherland, Eugene B.
Engelmann, Herbert F., Mountain Lakes, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Amplitude modulation of magnetron. 2,576,108, Nov. 27.
England, Frederick E., Homewood, assignor to Standard Oil Company, Chicago, Ill. Horizontal transport of solids. 2,576,504, Nov. 27.
Engle, Charles E., Warren, Ohio. Milk can punch. 2,576,505, Nov. 27.
English, Henry E., Tampa, Fla. Pedestal table with pivoted drop leaf and folding base. 2,576,287, Nov. 27.
Ernst, Walter, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Reservoir and tank arrangement for hydraulic presses. 2,576,584, Nov. 27.
Esley, Wayne B., Rochester, N. Y., assignor of one-third to G. Burns, one-third to M. R. Sweet, and one-third to H. Brueckner. Rotary piston pump. 2,576,175, Nov. 27.
Ethyl Corporation, assignee: *See*—
Hill, Eugene F., and Baldwin.
Evans, Fraser M., Acton, London, assignor to C. A. V. Limited, London, England. Liquid fuel pump. 2,576,334, Nov. 27.
Faatz, Embry D., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Spark plug assembly. 2,576,176, Nov. 27.
Faber, Wilmer P., Denver, Colo. Cast metal model railroad track. 2,576,828, Nov. 27.
Fanslow, Benjamin O., Rockville Centre, N. Y. Electric cord adjusting reel. 2,576,335, Nov. 27.
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Multispeed automatic transmission. 2,576,336, Nov. 27.
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Overrunning sprag type clutch. 2,576,337, Nov. 27.
Farnsworth Research Corporation, assignee: *See*—
Lapish, Arlington V.
Farrell, James A., Detroit, Mich. Shipping pallet. 2,576,715, Nov. 27.
Farrell, James K., and P. A. Keene, Syracuse, N. Y., assignors to Allied Chemical & Dye Corporation. Concentration control system. 2,576,253, Nov. 27.
Feaster, Guy R., Manhattan, Calif. Spark plug and ignition system tester. 2,576,109, Nov. 27.
Federal Telephone and Radio Corporation, assignee: *See*—
Newitt, John H.
Ferranti Limited, assignee: *See*—
Wood, Hubert.
Fiduccia, Anthony, Cedar Grove, N. J. Snow and ice melting machine. 2,576,829, Nov. 27.
Field, Oscar S., S. N. Wight, and R. W. Hewes, assignors to General Railway Signal Company, Rochester, N. Y. Airplane approach control system. 2,576,452, Nov. 27.
Finholt, Albert E.: *See*—
Schlesinger, Herman I., and Finholt.
Finholt, Marion L., assignee: *See*—
Schlesinger, Hermann I., and Finholt.
Fink, Albert O., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Dynamic pyrolitic plating process. 2,576,289, Nov. 27.
Fink, Albert O., and D. E. Bench, assignors, by mesne assignments to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Method and apparatus for filtering. 2,576,288, Nov. 27.
Fisher, John H., St. Catherines, and H. B. Marshall, Toronto, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Producing vanillin. 2,576,752, Nov. 27.

Fisher, John H., St. Catharines, and H. B. Marshall, Toronto, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Producing vanillin. 2,576,753, Nov. 27.

Fisher, John H., and C. A. Sankey, St. Catharines, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Producing vanillin. 2,576,754, Nov. 27.

Fisher, John R., Jr.: *See*—
Vlad, John, and Fisher.

Fisher, John R., Jr., assignor to New Wrinkle, Inc., Dayton, Ohio. Applying a modified wrinkle finish coating to a base. 2,576,290, Nov. 27.

Fisher, Roy R., assignor to Electric Steam Radiator Corporation, Paris, Ky. Electric vaporizer. 2,576,110, Nov. 27.

Flanagan, George L., Benton City, Wash. Automatic soldering iron. 2,576,393, Nov. 27.

Fleming, Clarence H.: *See*—
Tarpley, Lewis A., and Fleming.

Fleming, William, assignor to Selectronics, Inc., San Leandro, Calif. Electronic siren. 2,576,585, Nov. 27.

Fletcher, Arthur T., Bristol, Conn. Machine for cutting glass disks. 2,576,291, Nov. 27.

Fletcher, Walter, Rome, Ga., assignor to Celanese Corporation of America. Yarn package support. 2,576,254, Nov. 27.

Flora, Herman D., Cutler, Ind. Roll for corn pickers. 2,576,292, Nov. 27.

Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Universal joint with wide angle of oscillation. 2,576,830, Nov. 27.

Folkenroth, Earl E., and A. G. Avila, York, Pa., assignors to The Standard Stoker Company, Inc. Dough trough hoist. 2,576,831, Nov. 27.

Food Machinery and Chemical Corporation, assignee: *See*—
Richards, John R.

Foord, Stanley G.: *See*—
Morley, John F., and Foord.

Ford Motor Company, assignee: *See*—
Farkas, Eugene J.
Hibbard, Thomas L., and Galla.
Oswald, John.
Scott, Edwin D., and Herider.

Fortin, Charles A., assignor to Paul Pouliot, Cote des Neiges, Montreal, Quebec, Canada. Lighter. 2,576,453, Nov. 27.

Forward, Frank A., Vancouver, British Columbia, assignor to Sherritt Gordon Mines Limited, Toronto, Ontario, Canada. Extracting of nickel values from nickeliferous sulfide material. 2,576,314, Nov. 27.

Fox, Samuel, and Company Limited, assignee: *See*—
Ashton, George W.

Fox, Vernie A., assignor, by mesne assignments, to Young Brothers Company, Detroit, Mich. Sheet material conveying and supporting means. 2,576,218, Nov. 27.

France, Harold, and N. H. Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Dyestuffs. 2,576,293, Nov. 27.

Frankel, Leo, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee. Projection film viewer. 2,576,586, Nov. 27.

Fraundorfer, Edward, assignee: *See*—
Barth, Frank J.

Freemon, Joseph A., H. Weatherford, Jr., and R. F. Wilson, Memphis, Tenn., assignors to Sealy, Incorporated, Chicago, Ill. Support assembly for seat beds. 2,576,677, Nov. 27.

Frei, Jakob R. and C. W. Root, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Electrical apparaus. 2,576,394, Nov. 27.

Furbush, Joseph D., Adrian, Mich. Fishing reel. 2,576,387, Nov. 27.

Gabriel Company, The, assignee: *See*—
Patriquin, William G.

Gabriel, Joseph A., Rocky River, Ohio. Magazine type safety razor. 2,576,588, Nov. 27.

Gabriel, Joseph A., Rocky River, Ohio. Blade magazine for razors. 2,576,589, Nov. 27.

Galla, Stephen J.: *See*—
Hibbard, Thomas L., and Galla.

Gamble, Bessie B., Clovis, N. Mex. Bath brush. 2,576,338, Nov. 27.

Gamble, Harold R., assignor to The De Vilbiss Company, Toledo, Ohio Compressor. 2,576,876, Nov. 27.

Gardiner, Neil W., Great Auclum, Burghfield Common, England. Hydrofoil boat. 2,576,716, Nov. 27.

Gaskins, Alex F., N. A., and G. D., New Bern, N. C. Fire escape life reel. 2,576,755, Nov. 27.

Gaskins, Gertrude D.: *See*—
Gaskins, Alex F., N. A., and G. D.

Gaskins, North A.: *See*—
Gaskins, Alex F., N. A., and G. D.

Gates, Thomas S., Grosse Pointe Woods, assignor to National Broach & Machine Company, Detroit, Mich. Clamping device. 2,576,506, Nov. 27.

Gauld, Brownlee B., Brookline, Mass., assignor to Raytheon Manufacturing Company. Recording and indicating system. 2,576,395, Nov. 27.

Gearhart, Roy E., Kansas City, assignor to H. H. Twente, Independence, Mo. Screw holding screw driver. 2,576,454, Nov. 27.

Gebr. Böhler & Co. Aktiengesellschaft, assignee: *See*—
Krainer, Helmut.

General Aniline & Film Corporation, assignee: *See*—
Barnes, Carl E.
Barnes, Carl E., and Ney.
Jones, Giffin D.
Schoelles, Norman A.

General Bronze Corporation, assignee: *See*—
Peremi, Edmund, and Weimann.

General Electric Company, assignee: *See*—
Atchison, Leonard W.
Berlien, Paul B.
Bixler, Harley H.
Bramhall, George H.
Carlson, Elmer T.
Hall, Chester I.
Ramo, Simon.
Scott, William J.

General Instrument Corporation, assignee: *See*—
Stewart, Alan.

General Motors Corporation, assignee: *See*—
Burge, James S., Goodwin, and McKee.
Dickson, John, and Hulsing.
Geyer, Harvey D.
Kunzog, Theodore W.
Martin, Thomas B.
Martin, William G.
Perrine, Lester E.
Rydner, Gustaf W.
Werner, Calvin J.

General Railway Signal Company, assignee: *See*—
Field, Oscar S., Wight, and Hewes.
Moore, Edmund W.
Rees, Frank X.

Gentzhorn, Arnold A., Rockford, Ill. Dimension duplicating attachment with indicating means. 2,576,590, Nov. 27.

Geraci, Alexander D., Chicago, Ill. Airplane sustentation and control surface arrangement. 2,576,294, Nov. 27.

Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner filter. 2,576,717, Nov. 27.

Gerwick, Ben C., Inc., assignee: *See*—
Gerwick, Ben C., Jr.

Gerwick, Ben C., Jr., Oakland, assignor to Ben C. Gerwick, Inc., San Francisco, Calif. Hollow mandrel for placement of discrete material. 2,576,507, Nov. 27.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Mechanical freezing tray and operating same. 2,576,591, Nov. 27.

Giauque, Charles A., Berwyn, assignor to Crane Co., Chicago, Ill. Valve construction. 2,576,392, Nov. 27.

Gibson, Edward H., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Cylinder holder. 2,576,832, Nov. 27.

Giesey, A. E., assignee: *See*—
Smith, David C.

Giles, Ronald A.: *See*—
Bianco, Henry R., Busby, and Giles.

Glenny, Clarence S., and R. C. Method, Rockford, Ill., assignors to The Washburn Company, Worcester, Mass. Bicycle basket. 2,576,111, Nov. 27.

Gluckman, Maxfield, Jackson Heights, N. Y. Merchandise display apparatus. 2,576,508, Nov. 27.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Feeding and mixing means for rotating combustion chambers. 2,576,678, Nov. 27.

Goldberg, Harry, assignor, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Cutter bar for lawn mowers and the like. 2,576,593, Nov. 27.

Goldstein, Saul, San Francisco, Calif. Forming a pouring spout blank. 2,576,594, Nov. 27.

Goldstein, Saul, San Francisco, Calif. Dispensing container. 2,576,595, Nov. 27.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Plate blank handling means for embossing machines. 2,576,596, Nov. 27.

Golob, John E., assignor to Standard-Thomson Corporation, Dayton, Ohio. Thermostatic valve controlling device. 2,576,877, Nov. 27.

Good, Alonzo C., assignor to The National Cash Register Company, Dayton, Ohio. Knockout device for punch presses. 2,576,295, Nov. 27.

Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation detector. 2,576,833, Nov. 27.

Goodwin, Richard M.: *See*—
Burge, James S., Goodwin, and McKee.

Gootgeld, Louis, Escondido, Calif. Dehydrated cheese products and making. 2,576,597, Nov. 27.

Gordon, Henry D., Philadelphia, Pa. Guide pin cover for punch presses. 2,576,112, Nov. 27.

Grand Rapids Store Equipment Company, assignee: *See*—
Vanderveld, Charles F.

Gratt, Barnie, Worcester, Mass. Orthopedic pad. 2,576,455, Nov. 27.

Gravity-Research Foundation, assignee: *See*—
Babson, Roger W.

Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Variable rate sweep voltage generator. 2,576,339, Nov. 27.

Gray, Lawrence E., and C. H. Viebrock, Douglas, Wash. Centralizing drill. 2,576,786, Nov. 27.

Great Lakes Carbon Corporation, assignee: *See*—
Thomas, Charles L.

Greaves, Joseph, Toston, Mont. Seeder attachment. 2,576,756, Nov. 27.

Green, Floyd S., assignor to Frank Adam Electric Company, St. Louis, Mo. Panel board. 2,576,396, Nov. 27.

Green, Lee B., Lakewood, Ohio. Joint construction for panels. 2,576,296, Nov. 27.

Griffins, Morris E., Riverside, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic switch control circuit. 2,576,220, Nov. 27.

Griffith, James J.: *See*—
Hannold, William L., and Griffith.

Grilley, Edmund S., assignor to Hobbs Manufacturing Company, Fort Worth, Tex. Vehicle body brace. 2,576,397, Nov. 27.

Grinnell, Arthur L.: *See*—
Smith, Kenneth A., and Grinnell.

Grossi, Frank X., assignor to Royal Bond, Inc., St. Louis, Mo. Methods and materials for embalming jaundiced bodies. 2,576,219, Nov. 27.

Gruver, John H., East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing mechanism for cash registers. 2,576,598, Nov. 27.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Guillaud, Charles, Bellevue, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Permanent magnet and manufacture thereof. 2,576,679, Nov. 27.

Guitton, Louis, Ugine, assignor to Societe d'Electro-Chimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Increasing the resistance to corrosion of stainless steel. 2,576,680, Nov. 27.

Haddock, Norman H.: *See*—
France, Harold, and Haddock.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Production of oxygenated compounds. 2,576,113, Nov. 27.

Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Starting relay control for single-phase motors. 2,576,681, Nov. 27.

Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Apparatus for loading record strips into record frames. 2,576,682, Nov. 27.

Hall, Ralph W., assignor to The Randall Company, Cincinnati, Ohio. Leather trimming device. 2,576,878, Nov. 27.

Hall, Rolland G., Yalesville, Conn., and S. M. Hill, Sherrill, N. Y., assignors to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Automatic work abrading apparatus. 2,576,787, Nov. 27.

Hamlin Metal Products Company, The, assignee: *See*—
Walklet, Mercer D.

Hammond, George E.: *See*—
Thompson, Bradley R., and Hammond.

Hammond, Lee C., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Saw gauge. 2,576,340, Nov. 27.

Hammond Machinery Builders, Inc., assignee: *See*—
Hammond, Lee C.

Hanitz, Hans T. R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Automatic transfer machine tool. 2,576,341, Nov. 27.

Hannold, William L., Alpine, and J. J. Griffith, Friona, Tex. Fiber recovering machine. 2,576,788, Nov. 27.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron. 2,576,599, Nov. 27.

Hanson, Alfred O., Grand Forks, N. Dak., assignor to the United States of America as represented by the United States Atomic Energy Commission. Device for generating neutrons. 2,576,600, Nov. 27.

Hård af Segerstad, Carl G., assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Pneumatic gauge for measuring dimensions or forces. 2,576,221, Nov. 27.

Harmison, Charles R.: *See*—
Singher, Heron O., and Harmison.

Harmon, Carlyle: *See*—
Salvesen, Jörgen R., and Harmon.

Harris, George W., assignor of one-half to J. J. Konecny, Drain, Oreg. Animated toy vehicle. 2,576,398, Nov. 27.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Bergmans, Jan, and Vermeulen.
Donkelaar, Jacobus J., and Knös.
Koole, Pieter, Bourgonjon, and de Lange.
Nemet, Anthony, and Berindei.

Hartley, George C.: *See*—
Bray, Frederick H., Hartley, and Ridler.

Harvey, Robert L., and H. W. Leverenz, Princeton, N. J., assignors to Radio Corporation of America. Materials of high magnetic permeability. 2,576,456, Nov. 27.

Hays, Earl E., Upton, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Accelerating ions. 2,576,601, Nov. 27.

Hazeltine Research, Inc., assignee: *See*—
Loughren, Arthur V.
Richman, Donald.

Henderson, Robert M., Bound Brook, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Renewable drip ring and closure seat for concrete mixers. 2,576,457, Nov. 27.

Henley, Robert H., assignee: *See*—
Pennington, Neal A.

Hensgen, Bernard T., Harvey, assignor to Swift & Company, Chicago, Ill. Margarine package. 2,576,834, Nov. 27.

Hercules Powder Company, assignee: *See*—
Borglin, Joseph N., and Woodcock.
Langmeier, Arthur.

Herider, Elmer A.: *See*—
Scott, Edwin D., and Herider.

Herr, Joseph S., Nottingham, Pa. Feed mixing apparatus. 2,576,177, Nov. 27.

Herzfeld, Louis M., Beverly Hills, Calif. Gas mixing device. 2,576,602, Nov. 27.

Hess, Frederic O., and F. Maud, assignors to Selas Corporation of America, Philadelphia, Pa. Apparatus for heating selected portions of elongated workpieces in a continuous process. 2,576,342, Nov. 27.

Hewes, Ralph W.: *See*—
Field, Oscar S., Wight, and Hewes.

Hewitt, William H., Jr., Mendham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Flexible wave guide. 2,576,835, Nov. 27.

Heymann, Seymour E., Los Angeles, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill. Vehicle heating system. 2,576,757, Nov. 27.

Hibbard, Robert L., deceased, late of Bellevue, Pa., by S. C. Hibbard, Ross Township, Allegheny County, R. L. Hibbard, Jr., and H. M. Junkin, Bellevue, executors, assignors of one-half to W. K. Stamets, Mars, Pa. Machine tool work holder. 2,576,114, Nov. 27.

Hibbard, Robert L., Jr., executor: *See*—
Hibbard, Robert L.

Hibbard, Stewart C., executor: *See*—
Hibbard, Robert L.

Hibbard, Thomas L., Birmingham, and S. J. Galla, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Automobile seat construction. 2,576,343, Nov. 27.

Hicks, William W., assignor to Ionics, Inc., San Francisco, Calif. Ion controller. 2,576,399, Nov. 27.

Hieber, George E.: *See*—
Reimschissel, Charles A., and Hieber.

High Standard Manufacturing Corporation, The, assignee: *See*—
Klocker, Paul A.

Hiles, Earl W., Athens, and W. H. Ruther, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Draft rigging for wagons. 2,576,178, Nov. 27.

Hill, Eugene F., Detroit, and F. H. Baldwin, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Stabilized organic compositions. 2,576,458, Nov. 27.

Hill, James H., Dearborn, Mich. Bicycle carrier. 2,576,222, Nov. 27.

Hill, Stewart M.: *See*—
Hall, Rolland G., and Hill.

Hill, Stuart S., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Arrangement for transmitting electric signals occupying a wide frequency band over narrow band circuits. 2,576,115, Nov. 27.

Hilliard, Raymond M., as Commissioner of Welfare of the City of New York, assignee: *See*—
Buell, Young K.

Hilscher, Edward W.: *See*—
Jost, William R., and Hilscher.

Hilsinger, Harry A., Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch. 2,576,836, Nov. 27.

Hines, Judson T., and J. R. Baldwin, Seattle, Wash. Hot-water tank. 2,576,603, Nov. 27.

Hoar, Roger S., assignee: *See*—
Pennington, Neal A.

Hobbs Manufacturing Company, assignee: *See*—
Grilley, Edmund S.

Hoffman, Stanley G., Toronto, Ontario, Canada. Embalming table. 2,576,116, Nov. 27.

Hofmann, Fritz, Linz, Austria. Producing wear resistant steel rails. 2,576,223, Nov. 27.

Holland, Fred R., Fort Worth, Tex. Testing for the presence of brine in wells. 2,576,718, Nov. 27.

Holland, Robert L.: *See*—
Atwood, William E., and Holland.

Holman, Leslie A., Waltham, Mass., assignor to The McCaskey Register Company, Alliance, Ohio. Carbon paper cross-feed for autographic registers. 2,576,879, Nov. 27.

Holmes, William R., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control system and device for dynamoelectric machines. 2,576,604, Nov. 27.

Holmes, William R., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control system and device for dynamoelectric machines. 2,576,117, Nov. 27.

Holte, Alf T., New Westminster, British Columbia, Canada. Insect destroyer. 2,576,118, Nov. 27.

Holy, Mitchel E., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Collapsible carrier. 2,576,179, Nov. 27.

Holzman, Lawrence J., Cleveland, Ohio. Drive for magnetic-wire recorders. 2,576,459, Nov. 27.

Holzner, Adolf, Merrick, N. Y. Wall and desk cyclometer clock. 2,576,119, Nov. 27.

Hoover Company, The, assignee: *See*—
Gerber, Dale C.
Segesman, Louis E.

Hordes, Irving, Yonkers, N. Y. Apparatus for casting dental restorations. 2,576,224, Nov. 27.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Hubcap. 2,576,683, Nov. 27.

Horsley, Caperton B., Stamford, Conn., and H. W. Danser, Jr., Belmont, assignors to Ultrasonic Corporation, Cambridge, Mass. Sonic spray drying. 2,576,297, Nov. 27.

Horst, Walter F., Lubeck, Schleswig-Holstein, Germany. Graining machine for zinc offset-printing plates. 2,576,088, Nov. 27.

Horth, Walter, Wilmette, assignor, by mesne assignments, to H. S. Simpson, as trustee, Evanston, Ill. Mixer. 2,576,180, Nov. 27.

Hostetter, Morgan D., El Monte, Calif. Detachable locking means for an excavating bucket tooth. 2,576,225, Nov. 27.

Hotpoint Inc., assignee: *See*—
McDowell, Walter R.
Michaelis, Harold A., and Swanson.

Houghton, Daniel E., Washington, D. C., assignor, by mesne assignments, to New York Wire Cloth Company, York, Pa. Selvage loop forming device. 2,576,789, Nov. 27.

Hovey, C. Earl, trustee, assignee: *See*—
Bloomfield, Samuel.
Knapp, Joseph H.

Howard, Robert A., Pasadena, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Microwave wattmeter for wave guides. 2,576,344, Nov. 27.

Howard Zink Corporation, The, assignee: *See*—
Wirt, Erwin A.

Howerton, Paul W.: *See*—
Bluestone, Henry, Lidov, Knaus, and Howerton.

Howie, Alexander, Shaker Heights, Ohio. Scaffolding connection. 2,576,400, Nov. 27.

Hren, Ralph R., Chisholm, Minn. Self-sealing cap having relatively axially slidable tubular members. 2,576,509, Nov. 27.

Huber, William R., and A. L. Jones, Fresno, Calif. Hair drier. 2,576,226, Nov. 27.

Hudson, H. D., Manufacturing Company, assignee: *See*—
Landgraf, Jacob T.

Hudspeth, Emmett L., Springfield, Pa., and J. P. Nash, Neenah, Wis., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Reflecting fabric. 2,576,255, Nov. 27.

Hughes, Luther J., Reading, Pa. Trailer brake and equalization system. 2,576,460, Nov. 27.

Huguley, George M., Clenton, S. C. Picker for fly shuttle looms. 2,576,790, Nov. 27.

Hulsing, Kenneth L.: *See*—
Dickson, John, and Hulsing.

Hupp, Arleigh G., assignor to The Midland Co., South Milwaukee, Wis. V-belt clutch for power transmission. 2,576,605, Nov. 27.

Hutchins, Loren H., Jr., Wakefield, assignor to Simplex Wire & Cable Co., Cambridge, Mass. Nonmetallic armored electrical submarine cable. 2,576,227, Nov. 27.

Hutter, Edwin C.: *See*—
Bernet, Edwin J., and Hutter.

Hyman, Julius, & Company, assignee: *See*—
Bluestone, Henry, Lidov, Knaus, and Howerton.

Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Focusing device for centimeter waves. 2,576,181, Nov. 27.

Ickes, William W., assignee: *See*—
Nelson, Rupert.

Illinois Tool Works, assignee: *See*—
Poupitch, Ougljesa J.

Imm, Lewis W., Los Angeles, assignor to Librascope, Incorporated, Glendale, Calif. Electrical switching mechanism. 2,576,903, Nov. 27.

Imperial Chemical Industries Limited, assignee: *See*—
Boon, William R., Carrington, and Vasey.
France, Harold, and Haddock.

Improved Tool & Manufacturing Company, assignee: *See*—
Witek, Thomas A.

Industrial Metal Protectives, Inc., assignee: *See*—
McDonald, Alexander.
Nordon, Peter.
Toulmin, Harry A., Jr., and Berman.

Industrial Tape Corporation, assignee: *See*—
Schechtman, Martin L.

Ingersoll Milling Machine Company, The, assignee: *See*—
Hanitz, Hans T. R.

Inland Steel Products Company, assignee: *See*—
Baum, William G.

Institute of Textile Technology: *See*—
Bernet, Edwin J., and Hutter.

International Nickel Company, Inc., The, assignee: *See*—
Kihlgren, Theodore E., and Bryner.

International Standard Electric Corporation, assignee: *See*—
Arditi, Maurice.
Bray, Frederick H., Brown, and Ridler.
Bray, Frederick H., Hartley, and Ridler.
Bray, Frederick H., and Ridler.
Engelmann, Herbert F.
Hill, Stuart S.
Morley, John F., and Foord.
Rudkin, Eric P.
Weston, William K., and Baguley.

Interstate Bakeries Corporation, assignee: *See*—
Cohen, Morris.

Ionics, Inc., assignee: *See*—
Hicks, William W.

Irasek, Eugene H., Bethesda, Md. Gun sight. 2,576,120, Nov. 27.

Irvine, Houston N., and K. L. Magee, Burlington, Iowa. Device for cooking doughnuts. 2,576,183, Nov. 27.

Irwin, Carl F., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thickened oils and greases. 2,576,837, Nov. 27.

Jaccarino, Frederick, and A. Pinson, Fairfield County, assignors to Apex Accessories Co., Inc., Greenwich, Conn. Terminal for wristbands for watches. 2,576,684, Nov. 27.

Jackson, Robert J., Hazardville, Conn., assignor, by mesne assignments, to Bigelow-Sanford Carpet Company, Inc., New York, N. Y. Pile fabric floor covering. 2,576,791, Nov. 27.

Jacob, Raymond W., Chicago, Ill. Straddle lift truck. 2,576,345, Nov. 27.

Jacobson, Abraham, assignee: *See*—
Miller, John Z.

Jansoone, John, assignor of one-half to G. Lee, Richmond, Calif. Side light for motor vehicles. 2,576,510, Nov. 27.

Jarvi, Vesa: *See*—
Aitto, George, and Jarvi.

Jenkins, M. W., Sons, Inc., assignee: *See*—
Starr, John A.

Jensen, Hans C., Port Clinton, Ohio. Fishing gear. 2,576,880, Nov. 27.

Jensen, Melvin L.: *See*—
Shaw, Ernest C., and Jensen.

Jenson, Kenneth S., assignor to Prentiss-Wabers Products Company, Wisconsin Rapids, Wis. Forced air circulation combustion type space heater. 2,576,685, Nov. 27.

Jessen, George J., Philadelphia, Pa., and W. C. Kenworthy, Atlantic City, N. J. C clamp with angularly adjustable pressure element. 2,576,904, Nov. 27.

Jewett, Deane N., assignor to Detroit Hardware Manufacturing Company, Detroit, Mich. Push bar assembly. 2,576,511, Nov. 27.

Jimenez, James A., Temple City, and P. O. Bloomquist, South Pasadena, and W. R. Wells, Los Angeles, Calif. Label attaching means. 2,576,838, Nov. 27.

Johns-Manville Corporation, assignee: *See*—
Russum, Gaillard R.

Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Polymerization of vinylcyclohexene. 2,576,515, Nov. 27.

Johnson, Leonard R. J.: *See*—
Elbourn, Roland W., and Johnson.

Johnson, Scott R., River Forest, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Gauging mechanism for scroll shear machines. 2,576,792, Nov. 27.

Johnston, Lawrence H., Rural, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical marker generator circuit. 2,576,346, Nov. 27.

Johnstone, Edwin P., Jr.: *See*—
Cresswell, Arthur, and Johnstone.

Jones, Alfred L.: *See*—
Huber, William R., and Jones.

Jones, Burr W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Gun telescope mounting. 2,576,347, Nov. 27.

Jones, Edward M., assignor to The Baldwin Company, Cincinnati, Ohio. System for preventing transients in photoelectric musical instruments. 2,576,758, Nov. 27.

Jones, Edward M., assignor to The Baldwin Company, Cincinnati, Ohio. Producing tunes and voices photoelectrically. 2,576,759, Nov. 27.

Jones, Edward M., and G. F. Williamson, assignors to The Baldwin Company, Cincinnati, Ohio. System for the production and use of electric oscillations for control purposes. 2,576,760, Nov. 27.

Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerization of alkyiolamides of the acrylic acid series. 2,576,839, Nov. 27.

Jones, Loren F., Germantown, Pa., assignor to Radio Corporation of America. Volumetric fluid measuring. 2,576,512, Nov. 27.

Jones, Vollie J., assignee: *See*—
Rath, Lee A.

Jordan, James F., Huntington Park, Calif. Welding titanium and other metal. 2,576,793, Nov. 27.

Jost, William R., and E. W. Hilscher, Leavenworth, Kans. Demountable tray sleve. 2,576,794, Nov. 27.

Junkin, Hays M., executor: *See*—
Hibbard, Robert L.

Jurs, Peters C., Oakland, assignor to Shand and Jurs Company, Berkeley, Calif. Pressure relief valve. 2,576,516, Nov. 27.

Jurs, Peter C., Oakland, assignor to Shand and Jurs Company, Berkeley, Calif. Pressure relief valve. 2,576,517, Nov. 27.

Kainen, Joseph: *See*—
Peter, Albert, and Kainen.

Kalart Company Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.

Kamborian, Jacob S., West Newton, Mass. Applying flexible covering material to a relatively rigid backing. 2,576,121, Nov. 27.

Kammerer, Archer W., Fullerton, Calif. Removable trailer hitch. 2,576,461, Nov. 27.

Kascher, Henry M.: *See*—
Shantz, Edgar M., Robeson, and Kascher.

Kausti, Alexander, Los Angeles, Calif. Combination micrometer. 2,576,606, Nov. 27.

Keene, Paul A.: *See*—
Farrell, James K., and Keene.

Kelser, Bernhard: *See*—
De Groote, Melvin, and Kelser.

Kellogg, M. W., Company, The, assignee: *See*—
Rubin, Louis C.

Kelsey-Hayes Wheel Company, assignee: *See*—
Ross, Elmer R.

Kenison, William I., Salina, Kans. Grain cutter guard. 2,576,122, Nov. 27.

Kenworthy, William C.: *See*—
Jessen, George J., and Kenworthy.

Kern, Karl W., assignor to The Perfection Steel Body Company, Galion, Ohio. Tail gate elevator loader for vehicles. 2,576,881, Nov. 27.

Kessler, Joseph S., assignor to Tri-Clover Machine Co., Kenosha, Wis. Shaft keying and locking construction. 2,576,298, Nov. 27.

Kessler, Ward P., Bristol, Ind., assignor to V. M. Langsett, Chicago, Ill., as trustee. Muntin and cross joint anchorage. 2,576,840, Nov. 27.

Kihlgren, Theodore E., Berkeley Heights, N. J., and J. S. Bryner, State College, Pa., assignors to The International Nickel Company, Inc., New York, N. Y. Nickel-chromium-iron welding electrode. 2,576,123, Nov. 27.

Kimmell, Arthur, Albuquerque, N. Mex. Electric carburetor heater. 2,576,401, Nov. 27.

Kinghorn, Charles M., assignor to Cresswell Roll Forming Company Limited, Montreal, Quebec, Canada. Sash frame. 2,576,348, Nov. 27.

Kingsbury, Chadwick B., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Double twist spindle. 2,576,124, Nov. 27.

Kingsbury, Franklin L., Westfield, and F. J. Schultz, Fords, N. J., assignors to National Lead Company, New York, N. Y. Recovery of vanadium values from waste liquors. 2,576,462, Nov. 27.

Kinnaird, William R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Autothermic cracking reactor. 2,576,228, Nov. 27.

Kipfer, Max M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Transfer mechanism. 2,576,402, Nov. 27.

Kirschenbaum, Samuel, Brooklyn, N. Y. Drop device. 2,576,403, Nov. 27.

Kitzes, Arnold S.: *See*—
Coulter, Samuel T., Montonna, and Kitzes.

Kittredge, Emma, Seattle, Wash. Collapsible garment hanger. 2,576,761, Nov. 27.

Klocker, Paul A., New Haven, assignor of one-half to The High Standard Manufacturing Corporation, Hamden, Conn., and one-half to Sears, Roebuck and Co., Chicago, Ill. Action lock for self-loading firearms. 2,576,184, Nov. 27.

Knapp, Joseph H., assignor to C. Earl Hovey, Kansas City, Mo., trustee. Ingredient pulverizing apparatus for food preparing machines. 2,576,299, Nov. 27.

Knaus, James H.: *See*—
Bluestone, Henry, Lidov, Knaus, and Howerton.

Knauth, Berthold A., Bolton, assignor to The Motorspeed Corporation, New York, N. Y. Mechanism and system for control through thyratrons. 2,576,518, Nov. 27.

Knös, Gunnar B.: *See*—
Donkelaar, Jacobus J., and Knös.

Knudson, Raynard A., and J. H. Stoker, Rapid City, S. Dak. Power-operated roof planer. 2,576,607, Nov. 27.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic lens antenna. 2,576,463, Nov. 27.

Koehring Company, assignee: *See*—
Beckwith, Raymond A.

Kolbe, Joachim, Milwaukee, Wis. Vehicle with counterbanking superstructure on turns. 2,576,686, Nov. 27.

Konecny, John J., assignee: *See*—
Harris, George W.

Koole, Pieter, L. R. Bourgonjon, and H. de Lange, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for conveying paper and similar substances. 2,576,882, Nov. 27.

Kopp, Philip E., Youngstown, Ohio. Apparatus and method for clay baking. 2,576,519, Nov. 27.

Koppers Company, Inc., assignee: *See*—
Anderson, John R.
Lavely, Paul H.

Koser, Dellie B., Detroit, Mich. Gas-burning air- and water-heating furnace with thermostatic control. 2,576,719, Nov. 27.

Koski, Eino V., West New Brighton, N. Y. Footrest. 2,576,883, Nov. 27.

Koss, Louis F., assignor to Capital Machine Company, Indianapolis, Ind. Hydraulic control of veneer slicing machines. 2,576,520, Nov. 27.

Krahler, Stanley E.: *See*—
Benning, Anthony F., Park, and Krahler.

Krainer, Helmut, Kapfenberg, assignor to Gebr. Böhler & Co. Aktiengesellschaft, Vienna, Austria. Steel for tools operating at elevated temperatures. 2,576,229, Nov. 27.

Kramer, Cornelius M., New Orleans, La. Flight information device. 2,576,608, Nov. 27.

Krause, Julius O., West Hempstead, N. Y. Sawing attachment for portable electric drills. 2,576,090, Nov. 27.

Krehbiel, John H., Hinsdale, assignor to Molex Products Co., (not incorporated), Chicago, Ill. Combined pump and gauge device. 2,576,687, Nov. 27.

Kreidl, Norbert J., Brighton, and G. F. Brewster, Williamson, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Optical glass. 2,576,321, Nov. 27.

Kreiner, Anthony J., Wickliffe, Ohio. Axially adjustable rotary valve. 2,576,300, Nov. 27.

Kreiner, Anthony J., Wickliffe, assignor to Designers For Industry, Inc., Cleveland, Ohio. Electric switch operating mechanism. 2,576,609, Nov. 27.

Kreps, Homer G.: *See*—
McBride, Charles F., and Kreps.

Krimmel, Carl P., Evanston, assignor to G. D. Searle & Co., Skokie, Ill. Aminoalkyl esters of α,β,β-triarylpropionic acids. 2,576,230, Nov. 27.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Adhesive tape dispenser. 2,576,404, Nov. 27.

Kucera, Joseph B., Traer, Iowa. Harrow runner. 2,576,236, Nov. 27.

Kunzog, Theodore W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Restricter. 2,576,610, Nov. 27.

Kuther, Max K., Monterey, Calif. Fish cutting machine. 2,576,301, Nov. 27.

Kyffin, Frank H., Neston, Wirral, England. Engine silencer with transverse baffle structure. 2,576,522, Nov. 27.

Labus, Otto A., assignor to The Trane Company, La Crosse, Wis. Adjustable air distributor. 2,576,905, Nov. 27.

Lacey, Felix E.: *See*—
Leaders, William M., and Lacey.

Lam, William M. C., Boston, assignor to Lam Workshop, Inc., Brookline, Mass. Lamp shade in combination with a diffusing shade. 2,576,523, Nov. 27.

Lam Workshop, Inc., assignee: *See*—
Lam, William M. C.

Landgraf, Jacob T., Freeport, assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Electric heater for stock watering tanks. 2,576,688, Nov. 27.

Landis Machine Company, assignee: *See*—
Reimschissel, Charles A., and Hieber.

Lane, Edwin C., Wyoming, N. Y. Fishhook. 2,576,795, Nov. 27.

Lang, Karl A., Glenview, and J. F. Cross, Franklin Park, assignors to Wheelco Instruments Company, Chicago, Ill. Apparatus for measuring physical conditions. 2,576,611, Nov. 27.

Lang, Paul H.: *See*—
Ten Bosch, Maurits, and Lang.

Lange, Russell W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measurement of Q of resonant electrical systems. 2,576,257, Nov. 27.

Langmeier, Arthur, assignor to Hercules Powder Company, Wilmington, Del. Froth flotation of siliceous impurities from cellulose. 2,576,464, Nov. 27.

Langsett, Victor M., trustee, assignee: *See*—
Kessler, Ward P.

Lapish, Arlington V., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic record changer. 2,576,125, Nov. 27.

Latvala, Waino K., New York, N. Y. Clothes hanger. 2,576,612, Nov. 27.

Lavely, Paul H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Coke oven door handling apparatus. 2,576,126, Nov. 27.

Lawrenz, Otto, River Forest, assignor to Peerless Tool & Engineering Company, Chicago, Ill. Nonslip garment clip. 2,576,689, Nov. 27.

Lawson, William E., Jr., and W. E. Lawson, Sr., Rahway, N. J. Water pistol holster. 2,576,231, Nov. 27.

Lawson, William E., Sr.: *See*—
Lawson, William E., Jr., and W. E., Sr.

Lawter, Curtis N., Trenton, N. J., assignor to Packard Motor Car Company, Detroit, Mich. Frame construction for turbojet engines. 2,576,762, Nov. 27.

Leaders, William M., and F. E. Lacey, assignors to Swift & Company, Chicago, Ill. Solvent fractionation. 2,576,841, Nov. 27.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Waterson, Arthur P.

Ledbetter, Ralph W., Anniston, Ala. Safe construction. 2,576,232, Nov. 27.

Lee, George, assignee: *See*—
Jansoone, John.

Leffler, Nils G., Sundsbruk near Sundsvall, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Machine for barking logs. 2,576,127, Nov. 27.

Lehman, Robert A., New York, N. Y., assignor to Wyeth Incorporated, Philadelphia, Pa. Water-soluble sulfur-containing organic mercury compounds having diuretic properties and preparing same. 2,576,349, Nov. 27.

Lehner, Edwin C., assignor to Swift & Compny, Chicago, Ill. Making variegated ice cream. 2,576,842, Nov. 27.

Leigh, George W., Independence, Mo. Cutter bar for lawn mowers. 2,576,884, Nov. 27.

Leighton, John W., Port Huron, Mich. Bushing. 2,576,885, Nov. 27.

Lemp, Robert J., Woodhaven, N. Y. Smoking pipe. 2,576,796, Nov. 27.

Lense, Ralph J., Deerfield, assignor to Motorola, Inc., Chicago, Ill. Man-pack antenna. 2,576,128, Nov. 27.

Lermont, Basil, assignor to Sutton Patents, Inc., New York, N. Y. Metal cover. 2,576,613, Nov. 27.

Leverenz, Humboldt W.: *See*—
Harvey, Robert L., and Leverenz.

Levin, Irvin, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Nonemitting electron tube grid. 2,576,129, Nov. 27.

Levy, Henri A.: *See*—
Livingston, Ralph, and Levy.

Lewellen, Darcy E.: *See*—
Lewellen, Emmons F., and D. E.

Lewellen, Emmons F., and D. E., Columbus, Ind. Control for papermaking machines. 2,576,614, Nov. 27.

Lewis, John B., Beech Grove, Ind. Minnow trap. 2,576,524, Nov. 27.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Oberstar, Edward C., and Coleman.

Librascope, Incorporated, assignee: *See*—
Imm, Lewis W.

Lidov, Rex E.: *See*—
Bluestone, Henry, Lidov, Knaus, and Howerton.

Linotype and Machinery Limited, assignee: *See*—
Spence, Fred.

Linz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Vanadium containing briquettes. 2,576,763, Nov. 27.

Lipkin, Moses R., assignor to Sun Oil Company, Philadelphia, Pa. Separating hydrocarbon fractions containing aromatics. 2,576,525, Nov. 27.

Little, Charles Henry, deceased, Cleveland Heights, and Charles Hubbard Little: N. H. Little, executrix of said Charles Henry Little, assignors to Universal Drafting Machine Corporation, Cleveland, Ohio. Drafting machine. 2,576,615, Nov. 27.

Little, Charles Hubbard: *See*—
Little, Charles Henry and Charles Hubbard.

Little, Nan H., executrix: *See*—
Little, Charles Henry and Charles Hubbard.

Livingston, Ralph, and H. A. Levy, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Monitor for fission gases. 2,576,616, Nov. 27.

Lockman, Carl J., assignor to Aktiebolaget Rosenblads Patenter, Stockholm, Sweden. Heat exchange apparatus. 2,576,843, Nov. 27.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,576,465, Nov. 27.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,576,466, Nov. 27.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Company. Continuous strand helical conveying apparatus. 2,576,233, Nov. 27.

Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Pulse-discriminating system. 2,576,617, Nov. 27.

Luce, Stewart B.: *See*—
Donahue, William E., and Luce.

Lukens, Duane H., Kent, Ohio. Wicket driving vehicle. 2,576,467, Nov. 27.

Luts, Clay B., Linthicum Heights, Md. Tire chain applying clip. 2,576,302, Nov. 27.

Lutz, Stanley N.: *See*—
Daley, Paul L., and Lutz.

Lyon, George A., Detroit, Mich. Wheel cover. 2,576,130, Nov. 27.

Lyon, George A., Detroit, Mich. Buffing apparatus. 2,576,131, Nov. 27.

Lyons, Frank H., assignor to E. L. Bruce Co., Memphis, Tenn. Penetrating wood-finishing composition. 2,576,797, Nov. 27.

Macallum, Ernest N.: *See*—
Delmar, Geza S., and Macallum.

Mack, Grant V.: *See*—
Wagner, Carl J., and Mack.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cleaning device for rotary brushes. 2,576,185, Nov. 27.

Magee, Kenneth L.: *See*—
Irvine, Houston N., and Magee.

Magnetrol, Inc., assignee: *See*—
Binford, Benjamin L.

Malicheff, Pierre: *See*—
Brichard, Edgard, Delacuvellerie, and Malicheff.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical gang perforator. 2,576,844, Nov. 27.

Malter, Louis, Washington, D. C., and J. L. Moll, Columbus, Ohio, assignors to Radio Corporation of America. Ultrahigh-frequency coupling device. 2,576,186, Nov. 27.

Manero, Enrique: *See*—
McCrae, James, and Manero.

Mangels, Erwin G., Davenport, Iowa. Car side construction and load bracing apparatus. 2,576,798, Nov. 27.

Maniglia, Giuseppe, New York, N. Y. Adjustable hat crease retainer. 2,576,690, Nov. 27.

Manning, Maxwell & Moore, Incorporated, assignee: *See*—
Brandstrom, Fred, and Belaef.

Mansfield, Warren M., Glendale, Calif., assignor, by mesne assignments, to Cutter Corporation. Handle type hair trimmer. 2,576,618, Nov. 27.

Marathon Corporation, assignee: *See*—
Salvesen, Jörgen R., and Harmon.

Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective system for series capacitors. 2,576,132, Nov. 27.

Marchand, Adolph, Jackson Heights, N. Y. Holder for toilet tissue rolls. 2,576,526, Nov. 27.

Marks, Barnard M., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Granular polymerization of polymerizable liquid organic compound in the presence of a hypophosphite. 2,576,720, Nov. 27.

Marsh, Willis M., Sarasota, Fla. Dual wheel assembly. 2,576,258, Nov. 27.

Marshall, Harry B.: *See*—
Fisher, John H., and Marshall.

Martin, Thomas B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller pitch control. 2,576,619, Nov. 27.

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Silo unloading device with means to dislodge silage for ready discharge. 2,576,620, Nov. 27.

Martin, William G., Flint, assignor to General Motors Corporation, Detroit, Mich. Weighing scale for determining mass distributions. 2,576,468, Nov. 27.

Marty, Maurice J., Paris, and G. H. Muller, Poissy, France. Spark plug. 2,576,469, Nov. 27.

Marvel Industries, Inc., assignee: *See*—
Wagner, Carl J., and Mack.

Matter, Nathan A., Morristown, N. J. Wall receptacle. 2,576,303, Nov. 27.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Angularly adjustable wire to bar connector. 2,576,527, Nov. 27.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Connector with hard particle lining. 2,576,528, Nov. 27.

Maud, Fred: *See*—
Hess, Frederic O., and Maud.

May, Omer W., Georgetown, Ky. Strainer cleaner. 2,576,470, Nov. 27.

Mazzola, Joseph, Washington, D. C. Spring chucking device. 2,576,350, Nov. 27.

McAlister, Craig L., Overland, Mo., assignor to McGraw Electric Company, Elgin, Ill. Protector for electric circuits. 2,576,405, Nov. 27.

McBride, Charles F., and H. G. Kreps, Sturgis, Mich. Binding tape applicator. 2,576,621, Nov. 27.

McBride, Charles F., and H. G. Kreps, Sturgis, Mich. Combination latex and tape applicator for rugs. 2,576,622, Nov. 27.

McBride, Leonard L.: *See*—
McBride, Miles M., L. L., and Curry.

McBride, Miles M. and L. L., Kinderhook, and S. D. Curry, Oakwood, Ill. Log-loading device for motor vehicles. 2,576,187, Nov. 27.

McCarter, William J., Galata, Mont. Portable spraying machine. 2,576,133, Nov. 27.

McCaskey Register Company, The, assignee: *See*—
Holman, Leslie A.

McCoy, Millard D., Kansas City, Kans. Vine cutting and windrowing attachment. 2,576,886, Nov. 27.

McCrae, James, and E. Manero, Merida, Yucatan, Mexico, said McCrae assignor to said Manero. Device for crushing and cleaning fibrous vegetable units. 2,576,406, Nov. 27.

McCrumb, Ray R., Lansing, Mich. Weedless fishhook. 2,576,304, Nov. 27.

McDonald, Alexander, Gordon, near Sydney, New South Wales, Australia, assignor to Industrial Metal Protectives, Inc., Wilmington, Del. Protectively coating metal and the resulting coated product. 2,576,845, Nov. 27.

McDowell, Walter R., Westchester, Ill., assignor to Hotpoint Inc. Movable drawer structure. 2,576,407, Nov. 27.

McElroy, Leo J., New York, N. Y. Postage stamp container. 2,576,091, Nov. 27.

McGraw Electric Company, assignee: *See*—
McAlister, Craig L.

McGuire, Gene S., assignor of one-quarter to R. Wallace and one-quarter to D. McMurray, Des Moines, Iowa. Handle attachment for bag containers. 2,576,259, Nov. 27.

McIntyre, Norman C., Tulsa, Okla. Bottom hole plug for wells. 2,576,234, Nov. 27.

McKee, Hilton J.: *See*—
Burge, James S., Goodwin, and McKee.

McKenney, Henry F., Flushing, and W. H. Newell, New York, N. Y., assignors to The Sperry Corporation. Web registration device. 2,576,529, Nov. 27.

McKinstry, Annie E., Brunswick, Ga. Posthole auger for power saws. 2,576,799, Nov. 27.

McLaughlin, Bernard E., Tucson, Ariz. Bathtub hingedly mounted on a collapsible stand. 2,576,623, Nov. 27.

McMurray, Don, assignee: *See*—
McGuire, Gene S.

McPherson, Edward S., Upton, Wyo. Cattle guard. 2,576,188, Nov. 27.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Compositions comprising vat dyes sensitive to overreduction and dyeing. 2,576,846, Nov. 27.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Pyranthrone dye compositions and dyeing. 2,576,847, Nov. 27.

Medal, Leon E., New Orleans, La. Panel construction. 2,576,530, Nov. 27.

Menderman, Fred, Miami, Fla. Surface mounted container opener. 2,576,800, Nov. 27.

Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Obturator or valve. 2,576,848, Nov. 27.

Merles, Antoine J., Paris, France. Device for positioning parts. 2,576,305, Nov. 27.

Mero Co. Inc., assignee: *See*—
Edwards, Albert G.

Mertes, Joseph V., Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Rotary brush. 2,576,408, Nov. 27.

Messmer, Edwin E., Flushing, and J. D. Sylvester, Garden City, assignors to Amsco Packaging Machinery Inc., Long Island City, N. Y. Bag handling machine having means for driving the bag downwardly and closing the mouth thereof. 2,576,471, Nov. 27.

Messmer, Edwin E., Flushing, and J. D. Sylvester, Garden City assignors to Amsco Packaging Machinery Inc., Long Island City, N. Y. Glue applicator for bag sealing machines. 2,576,472, Nov. 27.

Metal Products, Inc., assignee: *See*—
Nowell, Richard A.

Metals & Controls Corporation, assignee: *See*—
Williams, Joseph M.

Metalcraft Products Co., assignee: *See*—
Nowell, Richard A.

Method, Robert C.: *See*—
Glenny, Clarence S., and Method.

Metts, Paul E., Crafton, assignor to Aluminum Products Corporation, Pittsburgh, Pa. Metal storm window. 2,576,260, Nov. 27.

Meyers, Cornelius W., assignor to Powder-Power Tool Corp., Portland, Oreg. Securing a fastening element in concrete. 2,576,473, Nov. 27.

Michael, Theodore, Los Angeles, Calif. Combination vise and drill guide for watchmakers. 2,576,801, Nov. 27.

Michaelis, Harold A., Elmhurst, and H. F. Swanson, Chicago, Ill., assignors to Hotpoint Inc. Sectional counter kitchen. 2,576,409, Nov. 27.

Midland Co., The, assignee: *See*—
Hunn, Arleigh G.

Mid-West Bottle Cap Co., assignee: *See*—
Sonnenberg, Rudolph.

Miller, John Z., assignor to A. Jacobson, Hagerstown, Md. Rod holder. 2,576,624, Nov. 27.

Miller, Robert J., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Production of polycarboxylic acid products. 2,576,625, Nov. 27.

Miller, William C., Plant City, Fla. Window. 2,576,626, Nov. 27.

Milprint, Inc., assignee: *See*—
Schoen, Walter A.

Milton, Noonan B., Fort Pierce, Fla. Tractor mounted disk cultivator. 2,576,351, Nov. 27.

Miner, David F., Seaford, Del. Tire and wheel jack. 2,576,627, Nov. 27.

Miner, W. H., Inc., assignee: *See*—
Danielson, Vernon S.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Drow, Donald F.
Stanton, Leonard.

Minnick, Leonard J., Cheltenham, Pa., assignor to Baldwin-Hill Company, Trenton, N. J. Making mineral wool. 2,576,312, Nov. 27.

Minor, Burt S., Whittier, assignor to Regan Forge and Engineering Company, San Pedro, Calif. Hook. 2,576,261, Nov. 27.

Mitchell, Roger B., Louisburg, N. C. Portable fire escape. 2,576,531, Nov. 27.

Moffett, Clyde H., assignor to Moffett Manufacturing Company, Albany, Calif. Load brake for hoists. 2,576,628, Nov. 27.

Moffett Manufacturing Company, assignee: *See*—
Moffett, Clyde H.

Molex Products Co.: *See*—
Krehbiel, John H.

Moll, John L.: *See*—
Malter, Louis, and Moll.

Money, Roland H., Mount Healthy, assignor to Artkraft Manufacturing Corporation, Lima, Ohio. Compartmented refrigerator door. 2,576,691, Nov. 27.

Montonna, Ralph E.: *See*—
Coulter, Samuel T., Montonna, and Kitzes.

Moore, Dewey R., Dallas, Tex. Pipe holding device. 2,576,803, Nov. 27.

Moore, Edmund W., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,576,849, Nov. 27.

Moore, Inc., assignee: *See*—
Mercier, Ernest, and Ehlinger.

Moore, Raymond E., Denver, Colo. Remote switching device. 2,576,410, Nov. 27.

Morby, William R., Millwood, Wash. Line measuring meter. 2,576,629, Nov. 27.

Morehead, Joseph S., San Jose, Calif. Patch inserting tool. 2,576,262, Nov. 27.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Substituted imidazolidine compounds and preparing them. 2,576,306, Nov. 27.

Mork, Raymond P., assignor to The Baldwin Company, Cincinnati, Ohio. Combination stop mechanism. 2,576,764, Nov. 27.

Morley, John F., and S. G. Foord, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric communication cable. 2,576,134, Nov. 27.

Mornik, George B., Mounds View Township, Ramsey County, Minn. Powder gun. 2,576,804, Nov. 27.

Morris, Janet C., New York, N. Y. Food chopping attachment. 2,576,802, Nov. 27.

Moseley, Francis L., Osborn, Ohio, assignor to Collins Radio Company, Cedar Rapids, Iowa. Radio controlled pilot system. 2,576,135, Nov. 27.

Mosher, Oren G., Oakland, assignor to Eagle Machinery Co., Ltd., San Francisco, Calif. Automatic weighing machine. 2,576,411, Nov. 27.

Motorola, Inc., assignee: *See*—
Lense, Ralph J.

Motorspeed Corporation, The, assignee: *See*—
Knanth, Berthold A.

Motor Wheel Corporation, assignee: *See*—
Horn, Harry J.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Support for a seal for a floating roof. 2,576,136, Nov. 27.

Mueller Co., assignee: *See*—
Mueller, Frank H., and Bowan.
Mueller, Robert H., and Cline.

Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Adjustable meter support. 2,576,630, Nov. 27.

Mueller, Robert H., and E. E. Cline, assignors to Mueller Co., Decatur, Ill. Fire hydrant valve operator. 2,576,631, Nov. 27.

Muller, Georges H.: *See*—
Marty, Maurice J., and Muller.

Muller, Karl, Jr., Photo-Kino-Radio, assignee: *See*—
Waggin, Josef.

Murphy, John J., assignee: *See*—
Donovan, Raymond F.

Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gelling of polymeric compounds. 2,576,850, Nov. 27.

Myers, Joseph W., assignor to Proctor Electric Company, Philadelphia, Pa. Electrical beating unit. 2,576,632, Nov. 27.

Nash, Daniel J., assignor to Nash Inc., Jersey City, N. J. Automatically expanding pocket. 2,576,474, Nov. 27.

Nash Inc., assignee: *See*—
Nash, Daniel J.

Nash, John P.: *See*—
Hudspeth, Emmett L., and Nash.

National Aluminate Corporation, assignee: *See*—
Bird, Paul G.

National Broach and Machine Company, assignee: *See*—
Austin, Donald D., Sr., and Davis.
Bassoff, Arthur.
Gates, Thomas S.

National Cash Register Company, The, assignee: *See*—
Good, Alonzo C.

National Lead Company, assignee: *See*—
Ancrum, Robert W.
Cole, Sandford S., and Breitenstein.
Kingsbury, Franklin L., and Schultz.
Schultz, Frank J.
National Supply Company, The, assignee: *See*—
Young, Forrest J.
National Tube Company, assignee: *See*—
Daley, Paul L., and Lutz.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Bell, Persa R., Jr.
Beringer, Edward R.
Howard, Robert A.
Hudspeth, Emmett L., and Nash.
Neal, Robert A.
Naylor, Joseph F., Newton-le-Willows, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Stripping device for conveyers. 2,576,633, Nov. 27.
Neal, Robert A., Media, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Fuel governor for jet engines. 2,576,352, Nov. 27.
Nelson, George H.: *See*—
Craighead, Philip B., and Nelson.
Nelson, Oscar W., Duluth, Minn. Safety replacement cover for catch basins. 2,576,353, Nov. 27.
Nelson, Rupert, assignor of one-half to W. W. Ickes, San Francisco, Calif. Lifter for handling objects. 2,576,235, Nov. 27.
Nelson, Thomas E., Pontiac, Mich. Oil seal. 2,576,721, Nov. 27.
Nemet, Anthony, and M. Berindei, London, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrotherapeutic impulse generator. 2,576,634, Nov. 27.
Ne Smith, William C., Jacksonville, Fla. Collapsible awning. 2,576,692, Nov. 27.
New Britain Machine Company, The, assignee: *See*—
Angle, Glenn D.
Newell, William H.: *See*—
McKenney, Henry F., and Newell.
Newitt, John H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electrical switching system. 2,576,137, Nov. 27.
New Jersey Optical Company, assignee: *See*—
Cook, Roland T.
Newman, John P., Los Angeles, Calif. Impact wrench. 2,576,851, Nov. 27.
New Wrinkle, Inc., assignee: *See*—
Fisher, John R., Jr.
Toulmin, Harry A., Jr.
New York Wire Cloth Company, assignee: *See*—
Houghton, Daniel E.
Ney, William O., Jr.: *See*—
Barnes, Carl E., and Ney.
Nicholson, William H., Woodbury, N. J. Amusement device. 2,576,852, Nov. 27.
Niles, John B., Los Angeles, Calif. Support for clothes-lines. 2,576,805, Nov. 27.
Norden Laboratories Corporation, The, assignee: *See*—
Ten Bosch, Maurits, and Lang.
Nordon, Peter, Bondi Junction, near Sydney, New South Wales, Australia, assignor to Industrial Metal Protectives, Inc., Wilmington, Del. Coating composition and making. 2,576,307, Nov. 27.
Nordon, Peter, Bondi Junction, near Sydney, New South Wales, Australia, assignor to Industrial Metal Protectives, Inc., Wilmington, Del. Coating composition and making. 2,576,308, Nov. 27.
Norman, Wayne A.: *See*—
Adams, Paul L., Norman, and Sitterly.
North American Rayon Corporation, assignee: *See*—
Kingsbury, Chadwick B.
Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tutch Latch Co., New York, N. Y. Spring-loaded pressure-releasable door latch means. 2,576,635, Nov. 27.
Novotny, Emil E., Prospectville, and G. K. Vogelsang, Cheltenham, Pa., assignors to The Borden Company, New York, N. Y. Chloro-anacardic polymers and making the same. 2,576,722, Nov. 27.
Nowell, Richard A., Los Angeles, Calif., assignor to Metal Products, Inc., doing business as Metalcraft Products Co. Spring base for seats. 2,576,806, Nov. 27.
Nudell, Dewey, Flint, Mich. Weedless bait. 2,576,532, Nov. 27.
Oak Rubber Company, The, assignee: *See*—
Reynolds, Daniel P.
Oberstar, Edward C., and S. G. Coleman, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edging sheets and plates. 2,576,887, Nov. 27.
Oblinger, Leroy I., assignee: *See*—
Smith, David C.
Oehler, William P., assignor to Deere & Company, Moline, Ill. Flexible cutoff for planter seed plates. 2,576,693, Nov. 27.
Oesterlein, Fritz, assignor to Ciba Limited, Basel, Switzerland. Manufacture of 4-nitro-1-aminonaphthalene-5-sulfonic acid. 2,576,807, Nov. 27.
Ogburn, Harley R., Marshall, Tex. Earth anchor. 2,576,412, Nov. 27.
Olliver, Charles W., assignor to Societe Civile des Brevets O. B., Paris, France. Automatic multiple dialing apparatus. 2,576,189, Nov. 27.
Ontario Paper Company Limited, The, assignee: *See*—
Fisher, John H., and Marshall.
Fisher, John H., and Sankey.
Oppenorth, John E., Alameda, Calif. Newspaper dispensing machine. 2,576,636, Nov. 27.
Orr Felt & Blanket Company, The, assignee: *See*—
Albright, Charles B.
Ortho Pharmaceutical Corporation, assignee: *See*—
Singher, Heron O., and Harmison.
Oswald, John, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle roof construction. 2,576,354, Nov. 27.
Ott, Conrad L., assignor to Baker Perkins Inc., Saginaw, Mich. Cooky-cutting machine. 2,576,533, Nov. 27.
Owens-Illinois Glass Company, assignee: *See*—
Randlett, Edward A.
Paasche, Jens A., Chicago, Ill. Moistening gun. 2,576,534, Nov. 27.
Packard Motor Car Company, assignee: *See*—
Lawter, Curtis N.
Paden, Charles G., Millerstown, assignor to Whirlaway Egg Washer Company, Harrisburg, Pa. Cleansing eggs in bulk. 2,576,236, Nov. 27.
Padgett, Benjamin L., Washington, D. C. Chart display cabinet. 2,576,888, Nov. 27.
Padjen, John A., Midvale, Utah. Wheel chair. 2,576,413, Nov. 27.
Palst, Walter D.: *See*—
Shugar, Gershon J., and Palst.
Panhandle Eastern Pipe Line Company, assignee: *See*—
Stephens, Dishman K.
Paper Patents Company, assignee: *See*—
Valente, John E.
Paridge, John K.: *See*—
Woodcock, Jack, and Paridge.
Park, Joseph D.: *See*—
Benning, Anthony F., Park, and Krahler.
Parker, Leland C., Elmira, N. Y., assignor to Bendix Aviation Corporation. Fuel supply system for internal-combustion engines. 2,576,853, Nov. 27.
Parmesan, Daniel J., assignor to Well Equipment Mfg. Corp., Houston, Tex. Pulley block adapter device. 2,576,355, Nov. 27.
Parry, Robert D., Cincinnati, Ohio. Fishing float. 2,576,237, Nov. 27.
Parsons, Ben G., Grosse Pointe, Mich. Fuel injection system. 2,576,694, Nov. 27.
Partain, Oliver W., Tulsa, Okla. Puncturing and pouring device for sealed container, with spout and vent. 2,576,889, Nov. 27.
Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Valve for shock absorbers. 2,576,637, Nov. 27.
Patterson, Edgar W., Downey, Calif. Eccentric crank pin mounting. 2,576,765, Nov. 27.
Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Production of sulfite esters. 2,576,138, Nov. 27.
Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glycol bis-chlorosulfinates. 2,576,139, Nov. 27.
Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Pan greasing machine. 2,576,638, Nov. 27.
Peerless Tool & Engineering Company, assignee: *See*—
Lawrenz, Otto.
Pennington, Neal A., Tucson, Ariz., assignor of one-fifth to R. H. Henley, Tiptonville, Tenn., and one-quarter to R. S. Hoar, South Milwaukee, Wis. Air-conditioning apparatus. 2,576,140, Nov. 27.
Pennsylvania Research Corporation, The, assignee: *See*—
Waynick, Arthur H.
Peremi, Edmund, Bayside, and H. Weimann, Yonkers, assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Balanced panic door. 2,576,854, Nov. 27.
Perfect Knit Togs, Inc., assignee: *See*—
Siegel, Philip G.
Perfection Steel Body Company, The, assignee: *See*—
Kern, Karl W.
Perkin-Elmer Corporation, The, assignee: *See*—
Baker, James G.
Perkins, Albert G., Grand Island, N. Y. Control device for milking machines. 2,576,808, Nov. 27.
Perrine, Lester E., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Internal-combustion engine carburetion system. 2,576,475, Nov. 27.
Perrins, George, Newcastle under Lyme, assignor to Bullers Limited, London, England. Electric insulator having potential drop controlling means. 2,576,723, Nov. 27.
Persch, Walther, Frankfurt on the Hochst, assignor to Cassella Farbwerke Mainkur, Frankfurt (Main)-Fechenheim, Germany. Organic mercury compounds of xanthines and making same. 2,576,855, Nov. 27.
Peter, Albert, New York, and J. Kainen, Bronxville, assignors to Tempus Manufacturing Company, Long Island City, N. Y. Watch mounted article. 2,576,476, Nov. 27.

Petering, Wilbur H.: *See*—
Secrist, John H., and Petering.
Peterson, Arnold E., Glendale, Calif. Folding vehicle for babies. 2,576,356, Nov. 27.
Peterson, Harry R. B., Daly City, Calif. Combination faucet. 2,576,414, Nov. 27.
Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.
Philco Corporation, assignee: *See*—
Sunstein, David E.
Philips Laboratories, Inc., assignee: *See*—
Brockman, Frank G.
Phillips, Frank H., Cleveland, Tenn. Excelsior knife. 2,576,190, Nov. 27.
Phillips Tutch Latch Co., assignee: *See*—
Nottingham, Ralph K.
Pielstick, Gustav, Saint Germain en Laye, France. Fuel injection pump for combustion engines. 2,576,263, Nov. 27.
Pike, Robert D., Pittsburgh, Pa. Bearing. 2,576,141, Nov. 27.
Pinson, Alfred: *See*—
Jaccarino, Frederick, and Pinson.
Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Watch band terminal. 2,576,695, Nov. 27.
Pioneer Gen-E-Motor Corporation, assignee: *See*—
Goldberg, Harry.
Pipe Machinery Company, The, assignee: *See*—
Benninghoff, William L., and Robertson.
Pittsburgh Plate Glass Company, assignee: *See*—
Downes, Daniel T.
Mertes, Joseph V.
Pechukas, Alphonse.
Pond, Leander N., assignor to Corning Glass Works, Corning, N. Y. Glass blowing machine. 2,576,191, Nov. 27.
Powell, Harry E., Kokomo, Ind. Automobile wheel-balance weight. 2,576,724, Nov. 27.
Pouliot, Paul, assignee: *See*—
Fortin, Charles A.
Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Thread gripping lock nut. 2,576,890, Nov. 27.
Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener unit. 2,576,906, Nov. 27.
Powder-Power Tool Corp., assignee: *See*—
Meyers, Cornelius W.
Powell, Wilton, Houston, Tex. Ferris wheel. 2,576,477, Nov. 27.
Power-Gas Corporation Limited, The, assignee: *See*—
Andreasen, Svend V.
Poznik, William, Brooklyn, N. Y. Venting attachment for gasoline tank filling necks. 2,576,192, Nov. 27.
Prather, Asa P., and O. P., Georgetown, Ky. Motor vehicle actuated road speed checking apparatus. 2,576,415, Nov. 27.
Prather, Otho P.: *See*—
Prather, Asa P., and O. P.
Prentiss-Wabers Products Company, assignee: *See*—
Jenson, Kenneth S.
Preston, Lee C., Oakdale, Calif. Presser foot lifting attachment for sewing machines. 2,576,357, Nov. 27.
Pritikin, Roland I., Rockford, Ill. Portable tangent screen. 2,576,358, Nov. 27.
Proctor Electric Company, assignee: *See*—
Myers, Joseph W.
Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Treating olefins with alkane sulfonic acid. 2,576,535, Nov. 27.
Purvis, Robert, Saranac Lake, N. Y. Ski harness. 2,576,639, Nov. 27.
Putnam, Tracy J., Beverly Hills, Calif. Hoist control mechanism. 2,576,359, Nov. 27.
Radio Corporation of America, assignee: *See*—
Brenkert, Karl.
Hansell, Clarence W.
Harvey, Robert L., and Leverenz.
Iams, Harley.
Jones, Loren F.
Malter, Louis, and Moll.
Schroeder, Alfred C.
Sziklai, George C., and Tolson.
Wilkinson, William C., Jr.
Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. Generation of electromagnetic waves by Doppler effects. 2,576,696, Nov. 27.
Ramsey, James C., Lincoln, N. Mex. Hunting quiver for hunting arrows. 2,576,360, Nov. 27.
Ramsey, Wellington L., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Combined clean-out and flow control device for fluid lines. 2,576,640, Nov. 27.
Randall Company, The, assignee: *See*—
Hall, Ralph W.
Randlett, Edward A., Baltimore, Md., assignor to Owens-Illinois Glass Company. Snap-on perforated shaker disk for condiment container and closure cap over said disk. 2,576,416, Nov. 27.
Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,576,809, Nov. 27.
Ratelband, Johannes B., Barendrecht, Netherlands. Check valve. 2,576,810, Nov. 27.
Rath, Lee A., Harrold, assignor of one-third to V. J. Jones, one-sixth to F. E. Smith, and one-sixth to N. A. Bickley, Abilene, Tex. Tree eradicator and subsoiler. 2,576,361, Nov. 27.
Rayburn, Clarence W., West Palm, Fla. Fastening peg. 2,576,238, Nov. 27.
Raytheon Manufacturing Company, assignee: *See*—
Gauld, Brownlee B.
Rees, Frank X., Chill, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 2,576,479, Nov. 27.
Regan Forge and Engineering Company, assignee: *See*—
Minor, Burt S.
Reimschissel, Charles A., and G. E. Hieber, assignors to Landis Machine Company, Waynesboro, Pa. Tube thread grinding machine. 2,576,239, Nov. 27.
Republic Aviation Corporation, assignee: *See*—
Voelker, Edward H.
Republic Steel Corporation, assignee: *See*—
Duby, Clarence J.
Research Corporation, assignee: *See*—
Brown, Sanborn C.
Reynaud, Samuel C., Detroit, Mich. Casement window operator. 2,576,536, Nov. 27.
Reynolds, Daniel P., Massillon, assignor to The Oak Rubber Company, Ravenna, Ohio. Apparatus for aligning balloons or the like. 2,576,891, Nov. 27.
Reynolds, Kenneth L., Fort Fairfield, Maine. Barrel grapple. 2,576,193, Nov. 27.
Rialto Corporation, The, assignee: *See*—
Schmitt, William H.
Richards, John R., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Lidder with overhead side flushers. 2,576,641, Nov. 27.
Richman, Donald, Flushing, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Self-quench superregenerative arrangement. 2,576,642, Nov. 27.
Ridler, Desmond S.: *See*—
Bray, Frederick H., Brown, and Ridler.
Bray, Frederick H., Hartley, and Ridler.
Bray, Frederick H., and Ridler.
Rieschick, Richard R., New York, N. Y. Accordion. 2,576,480, Nov. 27.
Rimbach, Henry W.: *See*—
Rively, Clair M., and Rimbach.
Rimbach, Henry W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrophoretic method of coating wire with graphite. 2,576,362, Nov. 27.
Rinaldy, Edward S., Chester, N. J. Single or offset contact type micrometer gauge. 2,576,142, Nov. 27.
Rively, Clair M., and H. W. Rimbach, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Socket for series lamps and string thereof. 2,576,363, Nov. 27.
Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Carton lining device. 2,576,697, Nov. 27.
Robertson, Alexander F.: *See*—
Benninghoff, William L., and Robertson.
Robertson, Clifford P., San Diego, Calif. Foldable comb. 2,576,194, Nov. 27.
Robertson, Harry C., New York, N. Y. Lamp socket. 2,576,856, Nov. 27.
Robeson, Charles D.: *See*—
Cawley, John D., Robeson, Shantz, Weisler, and Baxter.
Shantz, Edgar M., Robeson, and Kascher.
Rochet, Jean C., New York, N. Y. Fighting fire aboard ships. 2,576,143, Nov. 27.
Rock Island Millwork Company, assignee: *See*—
Rundquist, Willard H.
Rodwin, George, Randall Manor, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced crystal microwave converter. 2,576,481, Nov. 27.
Roerig, Frank, New London, Ohio. Split wing nut. 2,576,643, Nov. 27.
Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Submersible type insulated connector. 2,576,537, Nov. 27.
Rood, Clarence J., Fergus Falls, Minn. Oil filter. 2,576,144, Nov. 27.
Root, Charles W.: *See*—
Frei, Jakob R., and Root.
Rose, Charles E., Detroit, Mich. Neon light for automobile radiator caps. 2,576,857, Nov. 27.
Rose, Thomas M., Pittsburgh, Pa., assignor to Salem-Brosius, Inc. Furnace charger. 2,576,265, Nov. 27.
Ross, Elmer R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Internally expanding brake. 2,576,538, Nov. 27.
Rothe, Walter F., Washington, D. C. Apparatus for forming depressions in cylindrical cans. 2,576,240, Nov. 27.
Royal Bond, Inc., assignee: *See*—
Grossi, Frank X.
Ruben, Samuel, New Rochelle, N. Y. Electrolyte for alkaline dry cells. 2,576,266, Nov. 27.
Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,576,858, Nov. 27.
Rudkin, Eric P., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Volume expansion system for audio and like amplifiers. 2,576,145, Nov. 27.

Buemelin, Richard, Milwaukee, Wis. Heat exchanger. 2,576,309, Nov. 27.

Buemelin, Richard, Milwaukee, Wis. Filter bag attaching means for dust arresting apparatus. 2,576,310, Nov. 27.

Buge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Column type force measuring dynamometer. 2,576,417, Nov. 27.

Bundquist, Willard H., Rock Island, Ill., assignor to Rock Island Millwork Company. Window construction. 2,576,539, Nov. 27.

Bussum, Gaillard R., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Metal-sheathed insulating blanket and manufacture. 2,576,698, Nov. 27.

Buther, Walter H.: *See*—
Hiles, Earl W., and Ruther.

Buze, John, Cambridge, Mass., and O. C. Woodyard, Neptune, N. J., assignors to the United States of America as represented by the Secretary of War. Rapid scanning system. 2,576,146, Nov. 27.

Bydner, Gustaf W., assignor to General Motors Corporation, Detroit, Mich. Sheet pallet stacker. 2,576,482, Nov. 27.

Safway Steel Products, Inc., assignee: *See*—
Craighead, Philip B., and Nelson.

Salem-Brosius, Inc., assignee: *See*—
Rose, Thomas M.

Salvesen, Jörgen R., Wausau, Wis., and C. Harmon, Springfield, Mass., assignors to Marathon Corporation, Rothschild, Wis. Lignin compounds and making same. 2,576,418, Nov. 27.

Sandvikens Jernverks Aktiebolag, assignee: *See*—
Hård af Segerstad, Carl G.

Sankey, Charles A.: *See*—
Fisher, John H., and Sankey.

Sarioni Company, Inc., assignee: *See*—
Curioni, Aldo R.

Sauers, E. W., assignee: *See*—
Smith, David C.

Sauvagé, Fernand, Paris, France. Apparatus for projecting aerial images in high relief. 2,576,147, Nov. 27.

Scaff, Jack H., Summit, N. J., and H. C. Theuerer, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of germanium rectifier material. 2,576,267, Nov. 27.

Schabot, Bernard W., Ferndale, Mich. Pantographic marking machine. 2,576,699, Nov. 27.

Schechtman, Martin L., New Market, N. J., assignor to Industrial Tape Corporation. Adhesive tape. 2,576,148, Nov. 27.

Schlesinger, Edna M., assignee: *See*—
Schlesinger, Hermann I., and Finholt.

Schlesinger, Hermann I., and A. E. Finholt, Chicago, Ill., said Schlesinger assignor of one-fourth to E. M. Schlesinger and said Finholt assignor of one-fourth to M. L. Finholt. Reducing and hydrogenating chemical compounds by reacting with aluminum-containing hydrides. 2,576,311, Nov. 27.

Schloss, Morris, Bronx, N. Y. Forced draft buffer. 2,576,364, Nov. 27.

Schmitt, William H., assignor to The Rialto Corporation, Rialto, Calif. Pressure regulator. 2,576,540, Nov. 27.

Schmitt, William H., assignor to The Rialto Corporation, Rialto, Calif. Back-pressure relief valve. 2,576,541, Nov. 27.

Schmitz, Fred W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Noncorrosive choline chloride composition. 2,576,644, Nov. 27.

Schneider Brothers Company, assignee: *See*—
Schneider, Heinrich.

Schneider, Heinrich, assignor to Schneider Brothers Company, Muncie, Ind. Blading for fluid flow devices. 2,576,700, Nov. 27.

Schoelles, Norman A., West Englewood, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Bottle package. 2,576,725, Nov. 27.

Schoen, Walter A., assignor to Milprint, Inc., Milwaukee, Wis. Producing sealed bags. 2,576,542, Nov. 27.

Schroeder, Alfred C., Southhampton, Pa., assignor to Radio Corporation of America. Indicating television image distribution. 2,576,859, Nov. 27.

Schultz, Frank J.: *See*—
Kingsbury, Franklin L., and Schultz.

Schultz, Frank J., Fords, N. J., assignor to National Lead Company, New York, N. Y. Solubilizing titaniferous materials. 2,576,483, Nov. 27.

Schulze, Günther, Valparaiso, Chile. Transmission arrangement. 2,576,484, Nov. 27.

Schwandt, Howard V., Walla Walla, Wash. Mortising machine work holding attachment to drill press. 2,576,485, Nov. 27.

Schwartz, Fred J., Toledo, Ohio. Two-part holder for drapery headings and the like. 2,576,701, Nov. 27.

Schwartz, Morris, and W. Castedello, assignors to The Kalart Company Inc., Stamford, Conn. Locking or control means for the slide of a plate or film holder for photographic apparatus. 2,576,811, Nov. 27.

Scott, Edwin D., Plymouth, and E. A. Herider, assignors to Ford Motor Company, Dearborn, Mich. Adjustable vehicle seat. 2,576,365, Nov. 27.

Scott, William J., Rugby, England, assignor to General Electric Company. Velocity modulation electron discharge device. 2,576,702, Nov. 27.

Sea Island Mills, Inc., assignee: *See*—
Wright, William E.

Sealy, Incorporated, assignee: *See*—
Freemon, Joseph A., Weatherford, and Wilson.

Searle, G. D., & Co., assignee: *See*—
Cusic, John W.
Krimmel, Carl P.

Sears, Roebuck and Co., assignee: *See*—
Klocker, Paul A.

Secrist, John H., and W. H. Petering, assignors to Detrex Corporation, Detroit, Mich. Cleaning composition. 2,576,419, Nov. 27.

Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,576,726, Nov. 27.

Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Handle control for suction cleaners. 2,576,727, Nov. 27.

Selas Corporation of America, assignee: *See*—
Hess, Frederic O., and Maud.

Selectronics, Inc., assignee: *See*—
Fleming, William.

Seneca Falls Machine Company, assignee: *See*—
Smith, Edwin R.

Servis, Richard J., Averill Park, R. H. Carroll, Old Chatham, and B. F. Tullar, East Greenbush, assignors to Sterling Drug Inc., New York, N. Y. Chlorine oxidation of bile acids. 2,576,728, Nov. 27.

Shand and Jurs Company, assignee: *See*—
Jurs, Peter C.

Shantz, Edgar M.: *See*—
Cawley, John D., Robeson, Shantz, Weisler, and Baxter.

Shantz, Edgar M., C. D. Robeson, and H. M. Kascher, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Dehydration and isomerization of straight-chain-conjugated polyene esters and acids. 2,576,104, Nov. 27.

Shapiro, Eli, assignor to Dearborn Stove Company, Dallas, Tex. Vibration damping and sealing means for air ducts. 2,576,860, Nov. 27.

Sharp & Dohme (Canada) Ltd., assignee: *See*—
Delmar, Geza S., and Macallum.

Sharp, John V., United States Navy. Spherical triangle computer. 2,576,149, Nov. 27.

Shaw, Ernest C., Milwaukee, and M. L. Jensen, Waukesha, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic barker with multiple nozzle oscillating linkage. 2,576,861, Nov. 27.

Sheehan, Thomas H., Jr., Detroit, Mich. Control for double doors. 2,576,703, Nov. 27.

Shell Development Company, assignee: *See*—
Adelson, David E.
De Jong, Henry W.
Whetstone, Richard R.

Shenk, Robert H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Separator. 2,576,645, Nov. 27.

Sherritt Gordon Mines Limited, assignee: *See*—
Forward, Frank A.

Shockey, Newton E., Detroit, assignor to Van Dresser Specialty Corporation, Van Dyke, Mich. Spring liner assembly. 2,576,729, Nov. 27.

Shugar, Gershon J., Jersey City, and W. D. Paist, Orange, N. J., assignors to Celanese Corporation of America. Cellulose ester plasticized with a 1-4 butandiol diester. 2,576,268, Nov. 27.

Siegel, Philip G., Flushing, assignor to Perfect Knit Togs, Inc., New York, N. Y. Infant's garment. 2,576,812, Nov. 27.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Regulating system utilizing a nonlinear resonant network. 2,576,646, Nov. 27.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Regulating system utilizing a nonlinear resonant current limiter. 2,576,647, Nov. 27.

Simonsen, Arnold, San Francisco, Calif. Rack and gear actuated clamp. 2,576,420, Nov. 27.

Simplex Wire & Cable Co., assignee: *See*—
Hutchins, Loren H., Jr.

Simplytrol Products Company, assignee: *See*—
Thompson, Bradley R., and Hammond.

Simons, Raymond S., Highland Park, Ill. Light meter. 2,576,813, Nov. 27.

Simpson, Clifford M., Manhattan, Kans. Directive antenna system. 2,576,150, Nov. 27.

Simpson, Herbert S., trustee, assignee: *See*—
Horth, Walter.

Simpson, Hobart A., Valley Stream, and A. A. Bamberger, Flushing, N. Y. Atomizer for perfume and like liquids. 2,576,195, Nov. 27.

Singher, Heron O., Redhook, N. Y., and C. R. Harmison, Somerville, N. J., assignors to Ortho Pharmaceutical Corporation. Novel method of treating products containing specific type AB substances. 2,576,151, Nov. 27.

Sitterly, Charles K.: *See*—
Adams, Paul L., Norman, and Sitterly.

Slind, Milo W., Spokane, Wash. Skull clamp. 2,576,649, Nov. 27.

Smith, A. O., Corporation, assignee: *See*—
Martin, Wesley G.

Smith, Davis C., Toledo, assignor of 40 percent to E. W. Sauers, 40 percent to A. E. Giesey, Cleveland, and 20 percent to L. I. Oblinger, Toledo, Ohio. Door latch mechanism. 2,576,648, Nov. 27.

Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Engaging and driving rotated workpieces. 2,576,704, Nov. 27.

Smith, Frank E., assignee: *See*—
Rath, Lee A.

Smith, John W., assignor to Battle Creek Bread Wrapping Company, Battle Creek, Mich. Biscuit loading mechanism for conveyers. 2,576,366, Nov. 27.

Smith, Judson P., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Controlled fluid delivery system. 2,576,543, Nov. 27.

Smith, Kenneth A., Burbank, and A. L. Grinnell, assignors to Electronic Chemical Engineering Company, Los Angeles, Calif. Method and apparatus for preserving foodstuffs. 2,576,862, Nov. 27.

Smith, Roy D., Mertzon, Tex., assignor to Bee-Line-Company, Scott County, Iowa. Motorcar service mechanism. 2,576,544, Nov. 27.

Smith, Ward D.: *See*—
Van Ranst, Cornelius W., and Smith.

Societe Anonyme des Usines Chausson, assignee: *See*—
Chausson, Gaston.

Societe Civile des Brevets O. B., assignee: *See*—
Olliver, Charles W.

Societe Cri-Dan, assignee: *See*—
Castelli, Xavier F.

Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, assignee: *See*—
Guilland, Charles.

Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electroques d'Ugine, assignee: *See*—
Guitton, Louis.

Sokolik, Edward, New Brighton, Minn. Syringe. 2,576,766, Nov. 27.

Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Nested bottle cap package. 2,576,650, Nov. 27.

Spangler, Myrtle J., Danville, Va., assignor to Dan River Mills, Incorporated. Dye fixing product and process and treating of textiles therewith. 2,576,241, Nov. 27.

Spearman, Benjamin, Montreal, Quebec, Canada. Railway truck bolster-car bolster connection. 2,576,367, Nov. 27.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosilicon polyesters. 2,576,486, Nov. 27.

Spence, Fred, Sale, assignor to Linotype and Machinery Limited, London, England. Sheet handling mechanism for bed and cylinder printing machines. 2,576,421, Nov. 27.

Sperry Corporation, The, assignee: *See*—
McKenney, Henry F., and Newell.
Wittenberg, Roland C.

Spitz, Mortimer L., Brooklyn, N. Y. Device for hanging floral displays. 2,576,705, Nov. 27.

Sprad'ing, Herbert P., Dallas, Tex. Awning. 2,576,422, Nov. 27.

Stageberg, Susie W., Red Wing, Minn. Clothes lifter. 2,576,242, Nov. 27.

Stalker, Edward A., Bay City, Mich. Cooling means for turbines. 2,576,814, Nov. 27.

Stamets, William K., assignee: *See*—
Hibbard, Robert L.

Stanalis, Stanley, Venice, Calif. Moisture injector for internal-combustion engine carburetors. 2,576,196, Nov. 27.

Standard Conveyor Company, assignee: *See*—
Eggleston, Ira S.

Standard Oil Company, assignee: *See*—
England, Frederick E.
Proell, Wayne A.

Standard Register Company, The, assignee: *See*—
Stimson, Percy G., and Davidson.

Standard Stoker Company, Inc., The, assignee: *See*—
Folkenroth, Earl E., and Avila.

Standard-Thomson Corporation, assignee: *See*—
Golob, John E.

Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Deicing system for aircraft sustaining rotor blades. 2,576,487, Nov. 27.

Stanton, Leonard, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Testing apparatus. 2,576,892, Nov. 27.

Starr, John A., Riverdale, N. Y., assignor to M. W. Jenkins Sons, Inc., Cedar Grove, N. J. Apparatus for making brushes. 2,576,545, Nov. 27.

Starr, John A., Riverdale, N. Y., assignor to M. W. Jenkins Sons, Inc., Cedar Grove, N. J. Making brushes. 2,576,546, Nov. 27.

Steatite and Porcelain Products Limited, assignee: *See*—
Woodcock, Jack, and Paridge.

Stelner, Richard, New York, N. Y. Hair drier combined with comb. 2,576,368, Nov. 27.

Stephens, Dishman K., Kansas City, Kans., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Fluid medium propelled and rotated apparatus for cleaning the inside of pipes. 2,576,197, Nov. 27.

Sterling Drug Inc., assignee: *See*—
Servis, Richard J., Carroll, and Tullar.

Stevens, Couvaris J., Bayside, N. Y. Hammer. 2,576,243, Nov. 27.

Stewart, Alan, Staten Island, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J. Apparatus for determining resonant frequencies. 2,576,423, Nov. 27.

Stewart, James W., Jr., Dinuba, Calif. Gauging and sampling well for vessels. 2,576,893, Nov. 27.

Stewart-Warner Corporation, assignee: *See*—
Heymann, Seymour E.

Sticelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Traveling oven unloader. 2,576,369, Nov. 27.

Stickelber & Sons, Inc., assignee: *See*—
Sticelber, Merlin A.

Stimson, Percy G., and J. T. Davidson, assignors to The Standard Register Company, Dayton, Ohio. Sheet delivery and assembly apparatus. 2,576,152, Nov. 27.

Stoker, John H.: *See*—
Knudson, Raynard A., and Stoker.

Stokett Development Corporation, assignee: *See*—
Tarpley, Lewis A., and Fleming.

Stovall, John R., Jr., Doylestown, and I. Weintraub, Neshaminy, assignors to Tinius Olsen Testing Machine Company, Willow Grove, Pa. Crimped plate capacitance strain gauge. 2,576,488, Nov. 27.

Stovall, John R., Jr. Doylestown, assignor to Tinius Olsen Testing Machine Company, Willow Grove, Pa. Capacitance strain gauge. 2,576,489, Nov. 27.

Strauss, Frank A.: *See*—
Barsky, George, and Strauss.

Stromberg-Carlson Company, assignee: *See*—
Bowes, Henry N.

Stuart, Archibald P.: *See*—
Johnson, Herbert L., and Stuart.

Stuart, Fred E., Baltimore, Md., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Windshield sprayer. 2,576,198, Nov. 27.

Stuer, Joseph, Lawrence, Mass. Automatic electric transfer fancy loom. 2,576,244, Nov. 27.

Sullivan, Joseph J., Jamaica, N. Y. Food steam cooker. 2,576,313, Nov. 27.

Sun Chemical Corporation, assignee: *See*—
Dalton, Philip B.

Sun Oil Company, assignee: *See*—
Chaney, Preston E.
Johnson, Herbert L., and Stuart.
Lipkin, Moses R.

Sundt, Edward V., Chicago, Ill. Fuse plug circuit breaker. 2,576,815, Nov. 27.

Sunstein, David E., Cynwyd, assignor to Philco Corporation, Philadelphia, Pa. Automatic speed control for rail-guided vehicles. 2,576,424, Nov. 27.

Super, Paul J., deceased, Dawson Creek, British Columbia, assignor of ten per cent to D. E. Beaudoin, Muskwa, Canada; H. O. Callahan, administrator. Bearing. 2,576,651, Nov. 27.

Sutherland, Eugene B., assignor to Emmett Machine & Manufacturing, Inc., Akron, Ohio. Tilting head press. 2,576,547, Nov. 27.

Sutton Patents, Inc., assignee: *See*—
Lermont, Basil.

Svenska Cellulosa Aktiebolaget, assignee: *See*—
Leffler, Nils G.

Swanson, Herbert F.: *See*—
Michaelis, Harold A., and Swanson.

Swartz, Edward, Belmont, Mass. Apparatus for preparing solutions. 2,576,315, Nov. 27.

Sweet, Merlyn R., assignee: *See*—
Esley, Wayne B.

Swift & Company, assignee: *See*—
Donahue, William E., and Luce.
Hensgen, Bernard T.
Leaders, William M., and Lacey.
Lehner, Edwin C.

Swope, Thomas C.: *See*—
Wright, Louis D., and Swope.

Sylvester, John D.: *See*—
Messmer, Edwin E., and Sylvester.

Sziklai, George C., and W. A. Tolson, Princeton, N. J., assignors to Radio Corporation of America. Electrical generating apparatus. 2,576,652, Nov. 27.

T. & T. Vicars Limited, assignee: *See*—
Naylor, Joseph F.

Tannenberg, Joseph, Batavia, N. Y. Tissue embedding apparatus. 2,576,153, Nov. 27.

Tarpley, Lewis A., and C. H. Fleming, Louisville, Ky., assignors to Stokett Development Corporation. Apparatus for preparing coal dust for briquetting. 2,576,548, Nov. 27.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers. 2,576,245, Nov. 27.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymerization. 2,576,370, Nov. 27.

Taylor Instrument Companies, assignee: *See*—
Ziegler, John G.

Taylor, Samuel K., Cleveland Heights, Ohio. Modulating valve. 2,576,246, Nov. 27.

Tempus Manufacturing Company, assignee: *See*—
Peter, Albert, and Kalnen.

Ten Bosch, Maurits, White Plains, and P. H. Lang, Katonah, assignors to The Norden Laboratories Corporation, White Plains, N. Y. Torque amplifier. 2,576,863, Nov. 27.

Thayer, Inc., assignee: *See*—
Troendle, William C.

Thearle, Philip H., Orinda, Calif., assignor to Todd Shipyards Corporation. Adjustable freight securing means. 2,576,425, Nov. 27.

Theuerer, Henry C.: *See*—
Scaff, Jack H., and Theuerer.

Thomas, Charles L., Winnetka, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Removal of iron from a cracking catalyst. 2,576,653, Nov. 27.

Thompson, Bradley R., South Euclid, and G. E. Hammond, Euclid, assignors to Simplytrol Products Company, Chagrin Falls, Ohio. Electrically operated control device. 2,576,371, Nov. 27.

Thompson Grinder Company, The, assignee: *See*—
Wilson, John C.

Thompson, Guy M., Birmingham, Ala. Vanity box. 2,576,730, Nov. 27.

Thompson, Ralph B., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Removing halogen from a halophenol. 2,576,161, Nov. 27.

Thomsen, Alfred M., San Francisco, Calif. Preparing a fungicidal preparation utilizing magnesium hydroxide. 2,576,731, Nov. 27.

Thomson, John B., Plandome, N. Y. Ball bearing. 2,576,269, Nov. 27.

Thorson, Alvin E., Victor, Mont. Cattle restraining apparatus. 2,576,654, Nov. 27.

Thurzó, László N., Budapest, Hungary. Lifting frame for the assembly, repair, and cleaning of motor cars. 2,576,426, Nov. 27.

Tinius Olsen Testing Machine Company, assignee: *See*—
Stovall, John R., Jr.
Stovall, John R., Jr., and Weintraub.

Todd Shipyards Corporation, assignee: *See*—
Thearle, Philip H.

Tolson, William A.: *See*—
Sziklai, George C., and Tolson.

Tomb, Robert E., Indiana, Pa. Knockdown porch and step railing. 2,576,427, Nov. 27.

Toth, Michael, Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Radiator installation for motor vehicles. 2,576,316, Nov. 27.

Toulmin, Harry A., Jr., assignor to New Wrinkle, Inc., Dayton, Ohio. Apparatus for producing self-supporting wrinkle film. 2,576,317, Nov. 27.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Making foam rubber. 2,576,318, Nov. 27.

Toulmin, Harry A., Jr., and J. E. Berman, assignors to Industrial Metal Protectives, Inc., Dayton, Ohio. Coating apparatus. 2,576,319, Nov. 27.

Toulmin, Harry A., Jr., and J. E. Berman, assignors to Industrial Metal Protectives, Inc., Dayton, Ohio. Manufacturing coated chain. 2,576,372, Nov. 27.

Towle, Beatrice E.: *See*—
Towle, Frank N. and B. E.

Towle, Frank N. and B. E., Soquel, Calif. Mechanism for raising the harness frames of looms. 2,576,428, Nov. 27.

Trane Company, The, assignee: *See*—
Labus, Otto A.

Trautvetter, Fred C., Warsaw, Ill. Adjustable filling device for feed troughs. 2,576,154, Nov. 27.

Trent, Horace M., Alexandria, Va. Submarine compressional wave receptive apparatus. 2,576,155, Nov. 27.

Tri-Clover Machine Co., assignee: *See*—
Kessler, Joseph S.

Trico Products Corporation, assignee: *See*—
Rappl, Anton.

Tri-State Engineering Company, assignee: *See*—
Colt, Burton C., Jr.

Troendle, William C., assignor to Thayer, Inc., Gardner, Mass. Frame construction for folding carriages. 2,576,706, Nov. 27.

Trofimov, Lev A., Willoughby, Ohio. Fluid type variable-speed power transmission. 2,576,156, Nov. 27.

Trumbull, Fred W., Los Altos, Calif. Accounting Sheet. 2,576,490, Nov. 27.

Tullar, Benjamin F.: *See*—
Servis, Richard J., Carroll, and Tullar.

Twente, Herbert H., assignee: *See*—
Gearhart, Roy E.

Tykulsky, Alexander, West End, N. J., assignor to the United States of America as represented by the Secretary of the Army. Wave signaling system. 2,576,157, Nov. 27.

Ulano, Joseph, Brooklyn, N. Y. Composite sheet material. 2,576,491, Nov. 27.

Ulfves, Carl A., Worcester, Mass. Cam controlled work holder. 2,576,707, Nov. 27.

Ulrich, Raymond M., Roanoke, Ill. Truck and wagon hoist. 2,576,732, Nov. 27.

Ultrasonic Corporation, assignee: *See*—
Horsley, Caperton B., and Danser.

Union Des Verreries Mecaniques Belges, S. A., assignee: *See*—
Brichard, Edgard, Delacuvellerie, and Malicheff.

United Shoe Machinery Corporation, assignee: *See*—
MacKenzie, Wilbur L.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Hanson, Alfred O.
Hays, Earl E.
Livingston, Ralph, and Levy.
Wouters, Louis F.

United States Rubber Company, assignee: *See*—
Tawney, Pliny O.

United States Steel Company, assignee: *See*—
Lorig, Edwin T.

United States Steel Products Company, assignee: *See*—
A'Hearn, Frank L.

Universal Drafting Machine Corporation, assignee: *See*—
Little, Charles Henry and Charles Hubbard.

Universal Oil Products Company, assignee: *See*—
Kinnaird, William R.
Thompson, Ralph B.

University of Minnesota, Regents of the, assignee: *See*—
Coulter, Samuel T., Montonna, and Kitzes.

Valente, John E., assignor to Paper Patents Company, Neenah, Wis. Molded filter product. 2,576,864, Nov. 27.

Vanderveld, Charles F., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Bracket and lock therefor. 2,576,865, Nov. 27.

Van Dresser Specialty Corporation, assignee: *See*—
Shockey, Newton E.

Van Ranst, Cornelius W., and W. D. Smith, Dearborn, Mich., said Smith, assignor, by mesne assignments, to said Van Ranst. Fuel pump. 2,576,894, Nov. 27.

Vasey, Charles H.: *See*—
Boon, William R., Carrington, and Vasey.

Vasold, Samuel H., Bridgeport, Mich. Mixing and blending apparatus. 2,576,733, Nov. 27.

Venner, William M., Clayton, and P. L. Bowser, Jr., University City, Mo. Piston. 2,576,655, Nov. 27.

Verderber, Joseph, Cleveland, Ohio. Angularly adjustable golf club and locking means therefor. 2,576,866, Nov. 27.

Vermeulen, Dirk: *See*—
Bergmans, Jan, and Vermeulen.

Viebrock, Carl H.: *See*—
Gray, Lawrence E., and Viebrock.

Villard, Oswald G., Jr., Palo Alto, Calif., assignor to the United States of America as represented by the Secretary of the Air Force. Single side-band signal generator. 2,576,429, Nov. 27.

Vlad, John, and J. R. Fisher, Jr., assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Reconditioning paper surfaces. 2,576,320, Nov. 27.

Voelker, Edward H., Huntington Station, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Access door and making and mounting the same. 2,576,734, Nov. 27.

Vogel, Frank J., Kansas City, Mo. Bag slitter. 2,576,492, Nov. 27.

Vogel, Lewis D., Rock Rapids, Iowa. Combination post hole digger and earth remover. 2,576,199, Nov. 27.

Vogelsang, George K.: *See*—
Novotny, Emil E., and Vogelsang.

Vogelsang, George K., La Mott, Pa., assignor to The Borden Company, New York, N. Y. Nitrogenous resins from ketone-aldehyde-nitrogenous base and phenol-aldehyde. 2,576,735, Nov. 27.

Volz, Charles F., Baltimore, Md. Football side line marker. 2,576,321, Nov. 27.

Von Rotz, Robert, Manhasset, N. Y., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Diaphragm pump. 2,576,200, Nov. 27.

Von Stwolinski, Helmuth, recte Müller-Stwolinski, Salzburg-Maxglan, Austria. Spooled film developer box. 2,576,493, Nov. 27.

Waggin, Josef, assignor to Karl Muller Jr., Photo-Kino-Radio, Memmingen, Bavaria, Germany. Releasing device for mirror reflex adapters for photographic cameras. 2,576,494, Nov. 27.

Wagner, Carl J., and G. V. Mack, assignors to Marvel Industries, Inc., Sturgis, Mich. Air-conditioning unit. 2,576,549, Nov. 27.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Automobile door and window. 2,576,816, Nov. 27.

Waindle, Roger F.: *See*—
Wochos, Wenzel M., Jr., and Waindle.

Walco, Inc., assignee: *See*—
Wallace, David A.

Walker, Brooks, Piedmont, Calif. Venetian blind part. 2,576,159, Nov. 27.

Walker, Brooks, Piedmont, Calif. Venetian blind part. 2,576,160, Nov. 27.

Walklet, Mercer D., assignor to The Hamlin Metal Products Company, Akron, Ohio. Wheel construction. 2,576,270, Nov. 27.

Wallace, David A., Grosse Pointe, assignor to Walco, Inc., Detroit, Mich. Hoisting apparatus. 2,576,158, Nov. 27.

Wallace, David A., Grosse Pointe Farms, assignor to Walco, Inc., Detroit, Mich. Hoisting apparatus. 2,576,907, Nov. 27.

Wallace, David A., Grosse Pointe Farms, assignor to Walco, Inc., Detroit, Mich. Hoisting apparatus. 2,576,908, Nov. 27.

Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Hall, Rolland G., and Hill.

Wallace, Ross, assignee: *See*—
McGuire, Gene S.

Wallin, Sven W., Jonkoping, assignor to AB Svenska Fläktfabriken, Stockholm, Sweden. Apparatus for cleaning hose filters. 2,576,656, Nov. 27.

Walters, John N., deceased, New York, N. Y.; R. P. Walters, administratrix. Roof rail. 2,576,657, Nov. 27.

Walters, Rose P., administratrix: *See*—
Walters, John N.

War, United States of America as represented by the Secretary of, assignee: *See*—
Close, Richard N.
Gray, John W.
Johnston, Lawrence H.
Levin, Irvin.
Ruze, John, and Woodyard.

Washburn Company, The, assignee: *See*—
Glenny, Clarence S., and Method.

Waters, Harry F., New York, N. Y. Bag with vacuum sealed valve closure. 2,576,322, Nov. 27.

Waters, James F., New York, N. Y. Dentifrice-containing device and dentifrice applicator therefor. 2,576,550, Nov 27.

Waters, James F., New York, N. Y. Toothbrush and dentifrice pack. 2,576,551, Nov. 27.

Waterson, Arthur P., Tulsa, Okla., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Hydraulic tracer control unit. 2,576,817, Nov. 27.

Watkins, Charles L., Corsicana, Tex. Wheel. 2,576,736, Nov. 27.

Watson, Harvey A., assignee: *See*—
Avery, Dallas B.

Watson, Loral E., assignee: *See*—
Avery, Dallas B.

Waynick, Arthur H., State College, Pa., assignor, by mesne assignments, to The Pennsylvania Research Corporation. Cathode-ray polar coordinate vector plotter. 2,576,818, Nov. 27.

Weatherford, Heiskell, Jr.: *See*—
Freemon, Joseph A., Weatherford, and Wilson.

Weimann, Henry: *See*—
Peremi, Edmund, and Weimann.

Weintraub, Irving: *See*—
Stovall, John R., Jr., and Weintraub.

Weisler, Leonard: *See*—
Cawley, John D., Robeson, Shantz, Weisler and Baxter.

Weiss, Benjamin, Flushing, N. Y. Garment hanger with integral locking means. 2,576,162, Nov. 27.

Well Equipment Mfg. Corp., assignee: *See*—
Parmesan, Daniel J.

Weller, Clair B., Burbank, Calif. Chenille making machine. 2,576,430, Nov. 27.

Wells, William R.: *See*—
Jimenez, James A., Bloomquist, and Wells.

Wendel, Clifford A., Butte, Mont. Automatic fluid sampling device. 2,576,737, Nov. 27.

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,576,658, Nov. 27.

Westinghouse Electric Corporation, assignee: *See*—
Marburv, Ralph E.
Rimbach, Henry W.
Rively, Clair M., and Rimbach.

Weston, William K., and E. Baguley, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Concentric conductor electric cable with magnetic screen. 2,576,163, Nov. 27.

Wetzel, Frederick, Beaverton, Oreg. Oil-burning boiler fire box with air and steam feeding means. 2,576,373, Nov. 27.

Wheelco Instruments Company, assignee: *See*—
Lang, Karl A., and Cross.

Whetstone, Richard R., Orinda, assignor to Shell Development Company, San Francisco, Calif. Hydropyran compounds. 2,576,323, Nov. 27.

Whirlaway Egg Washer Company, assignee: *See*—
Paden, Charles G.

White, Frank G.: *See*—
Callahan, Thomas F., and White.

White, Gerald E., assignor to White Products Corp., Middleville, Mich. Pressure relief safety device. 2,576,431, Nov. 27.

White Products Corp., assignee: *See*—
White, Gerald E.

Whitwell, Percy, Brooklyn, N. Y. Learner (driver) distinguishing plate. 2,576,374, Nov. 27.

Wight, Sedgwick N.: *See*—
Field, Oscar S., Wight, and Hewes.

Wilcox, Albert C., Chicago, Ill. Vacuum coffee maker. 2,576,432, Nov. 27.

Wilkinson, William C., Jr., Princeton, N. J., assignor to Radio Corporation of America. Scanning antenna system. 2,576,182, Nov. 27.

Williams, Hughes E., Waco, Tex. Handling concrete forms. 2,576,375, Nov. 27.

Williams, James E., Jr., Hillsboro, Ohio. Temple ruler. 2,576,659, Nov. 27.

Williams, Joseph M., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Gold alloys. 2,576,738, Nov. 27.

Williams, Joseph M., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Gold alloys. 2,576,739, Nov. 27.

Williams, William R., assignor to D. H. Brubaker, Tampa Fla. Radiator lift. 2,576,660, Nov. 27.

Williamson, George F.: *See*—
Jones, Edward M., and Williamson.

Williamson, Marshall I., New Haven, Conn. Container with integral snapping closure fastener. 2,576,708, Nov. 27.

Willis, Henry G., Wilmington, Del. Combination deposit and cash slip. 2,576,164, Nov. 27.

Wilson, Allen B., Galena Park, Tex. Pipe wrench with linked gripping means. 2,576,203, Nov. 27.

Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Drilling bit for wood or the like. 2,576,376, Nov. 27.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding method and machine. 2,576,201, Nov. 27.

Wilson, Leonard L., Jr., assignor to Beech Aircraft Corporation, Wichita, Kans. Safety harness. 2,576,867, Nov. 27.

Wilson, Robert F.: *See*—
Freemon, Joseph A., Weatherford, and Wilson.

Wilson, Ronald M., Ambler, Pa. Gasoline dispensing pump. 2,576,740, Nov. 27.

Wirt, Erwin A., Clifton, N. J., assignor to The Howard Zink Corporation, Fremont, Ohio. Welt seam. 2,576,324, Nov. 27.

Witek, Thomas A., assignor to Improved Tool & Manufacturing Company, Detroit, Mich. Chuck for holding pistons. 2,576,741, Nov. 27.

Wittenberg, Roland C., Mineola, N. Y., assignor to The Sperry Corporation. Electronic switching circuit. 2,576,552, Nov. 27.

Wochos, Wenzel M., Jr., Elgin, and R. F. Waindle, Batavia, assignors to Elgin National Watch Company, Elgin, Ill. Protected ring gauge. 2,576,377, Nov. 27.

Wolf, Robert E., Waukesha, Wis. Traction attachment for vehicle wheels. 2,576,868, Nov. 27.

Wolny, Joseph, Boulder, Colo. Screw holding screw driver. 2,576,742, Nov. 27.

Woltemath, Edgar C., Denver, Colo. Combination hand ax and saw. 2,576,869, Nov. 27.

Wood Conversion Company, assignee: *See*—
Smith, Judson P.

Wood, David S., Sierra Madre, Calif., assignor to the United States of America as represented by the Secretary of the Air Force. Rapid load testing machine. 2,576,433, Nov. 27.

Wood, Hubert, assignor to Ferranti Limited, Hollinwood, England. Wave-signal responder system. 2,576,495, Nov. 27.

Wood, John R., Burbank, Calif., assignor of one-third to J. R. Wood, one-third to T. J. Wood, Sr., and one-third to T. J. Wood, Jr., joint trustees. Electric socket member having plug-in openings for the prongs of a plurality of plugs. 2,576,165, Nov. 27.

Wood, Thomas J., Jr., trustee, assignee: *See*—
Wood, John R.

Wood, Thomas J., Sr., trustee, assignee: *See*—
Wood, John R.

Wood, Vernon D., Los Angeles, Calif. Brush and scraper unit. 2,576,325, Nov. 27.

Woodcock, Irene: *See*—
Borglin, Joseph N., and Woodcock.

Woodcock, Jack, and J. K. Paridge, Stourport-on-Severn, England, assignors to Steatite and Porcelain Products Limited. Ceramic dielectrics comprising essentially titania. 2,576,378, Nov. 27.

Woodcock, Jack, and J. K. Paridge, Stourport-on-Severn, England, assignors to Steatite and Porcelain Products Limited. Ceramic dielectrics comprising essentially titania. 2,576,379, Nov. 27.

Woodcock, Jack, and J. K. Paridge, Stourport-on-Severn, England, assignors to Steatite and Porcelain Products Limited. Ceramic dielectrics comprising essentially titania. 2,576,380, Nov. 27.

Woodthorpe, Albert, Toronto, Ontario, Canada. Remedial foot support. 2,576,247, Nov. 27.

Woodyard, Orville C.: *See*—
Ruze, John, and Woodyard.

Worthington Pump and Machinery Corporation, assignee: *See*—
Henderson, Robert M.

Wostrel, Jerome L., Pico, Calif. Table target game apparatus. 2,576,326, Nov. 27.

Wouters, Louis F., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse shaping circuit. 2,576,661, Nov. 27.

Wright, Aubern E., Nappanee, Ind. Embalmer's lip holder. 2,576,870, Nov. 27.

Wright, Aubern E., Nappanee, Ind. Embalmer's jowl holder. 2,576,871, Nov. 27.

Wright, Benjamin T., Oak Park, Ill., assignor to Wright Motors, Inc. Automobile tool kit. 2,576,327, Nov. 27.

Wright, Lemuel T., Brownfield, Tex. Cotton stripper. 2,576,381, Nov. 27.

Wright, Louis D., and T. C. Swope, Beaumont, Tex. Repeating rubber band toy gun. 2,576,248, Nov. 27.

Wright Motors, Inc., assignee: *See*—
Wright, Benjamin T.
Wright, William E., West Palm Beach, Fla., assignor to Sea Island Mills, Inc., New York, N. Y. Decorticator. 2,576,166, Nov. 27.
Wullschleger, Albert, Weiningen, Switzerland. Device comprising at least one level vial. 2,576,202, Nov. 27.
Wyeth Incorporated, assignee: *See*—
Lehman, Robert A.
Yerzley, Felix L., Verona, N. J. Shock and vibration insulator. 2,576,271, Nov. 27.
Young Brothers Company, assignee: *See*—
Fox, Vernie A.
Young, Forrest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Rotary drilling rig. 2,576,872, Nov. 27.
Zelov, Victor I., Rosemont, Pa. Support. 2,576,873, Nov. 27.
Zick, Leonard P., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Fluid storage vessel. 2,576,167, Nov. 27.
Ziegler, John G., Walnut Creek, Calif., assignor to Taylor Instrument Companies, Rochester, N. Y. Controlling multiple-effect evaporators. 2,576,496, Nov. 27.
Zurn, J. A., Manufacturing Company, assignee: *See*—
Ramsey, Wellington L.
Shenk, Robert H.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Breaking petroleum emulsions. M. de Groote and B. Keiser. Re. 23,432, Nov. 27.
Closure for a container neck and a measuring cup detachably secured in said neck by said closure. W. Numbers. Re. 23,434, Nov. 27.
Oil seal. A. M. Chambers, Jr. Re. 23,431, Nov. 27.
Recovery of oxygenated compounds and hydrocarbons from mixtures thereof. R. F. Marschner. Re. 23,433, Nov. 27.

LIST OF DESIGN INVENTIONS

Automobile gasoline door guard. M. B. Kramer. 165,292, Nov. 27.
Bag or similar article. L. Levy and C. Rosenfield. 165,293, Nov. 27.
Battery tester. F. Sparr. 165,309, Nov. 27.
Boiler, Portable steam. R. A. Sharp. 165,307, Nov. 27.
Book end or similar article. L. T. Cardevaant. 165,263, Nov. 27.
Bottle. W. G. Walkley and W. M. Leonard. 165,313, Nov. 27.
Bottle or similar article, Baby's nursing. L. A. Dvonch. 165,274, Nov. 27.
Bowl or similar article, Glass. C. W. Carlson. 165,264, Nov. 27.
Box top. G. Posner. 165,301, Nov. 27.
Bracelet or the like. A. Philippe. 165,300, Nov. 27.
Brooch or similar article. A. Philippe. 165,298, Nov. 27.
Brooch or the like. A. Katz. 165,286, Nov. 27.
Brooch or the like, Separable. A. Katz. 165,287–90, Nov. 27.
Buckle, Belt. A. Bliss. 165,262, Nov. 27.
Cap. L. V. Goodman and T. Neal. 165,280, Nov. 27.
Case, Eyeglass. E. Nathan. 165,297, Nov. 27.
Clamp, Work-holding. A. O. Mathison. 165,296, Nov. 27.
Clock. F. Glanascol. 165,279, Nov. 27.
Clockcase. T. Schlagall. 165,304–5, Nov. 27.
Coasters, Package of. J. L. Sholkin. 165,308, Nov. 27.
Comb, Hair-cutting. N. Shaeffer. 165,306, Nov. 27.
Detergent mixing device. G. Graff. 165,282, Nov. 27.
Filter press kit, Portable. G. W. Anderson and D. B. Jones. 165,257, Nov. 27.
Garment, Foundation. S. Levy. 165,294, Nov. 27.
Handle or the like, Cooking utensil. J. C. Baker. 165,260, Nov. 27.
Holder for a handbag or the like, Key. E. M. Davis. 165,270, Nov. 27.
Holder for glasses. B. A. Rogers and J. W. Doblin. 165,303, Nov. 27.
Humidifier and artificial flower holder, Combination. J. Dioguardi. 165,272, Nov. 27.
Kite reel. J. H. Cordell. 165,269, Nov. 27.
Lamp, Table. K. Versen. 165,312, Nov. 27.
Light fixture, Ceiling. F. C. Baker. 165,259, Nov. 27.
Link chain for a bracelet or the like, Expansible. E. E. Fachon. 165,276, Nov. 27.
Mat or similar article, Place. K. C. Hamilton. 165,283, Nov. 27.
Mat, Rubber. P. Clark. 165,268, Nov. 27.
Necklace or the like. A. Philippe. 165,299, Nov. 27.
Pitcher or similar article, Cream. V. de Marsa. 165,271, Nov. 27.
Projector, Motion-picture. G. W. Tammen. 165,310, Nov. 27.
Ribbon tie or the like, Hand painted. J. Faber. 165,275, Nov. 27.
Ring, Finger. G. A. Youmans. 165,316, Nov. 27.
Shirt. W. V. Thelander. 165,311, Nov. 27.
Sock, Slipper. M. P. Hiestand. 165,284, Nov. 27.
Spectacle front. H. Weissman. 165,314–15, Nov. 27.
Spoon or similar article. I. A. Lipman. 165,295, Nov. 27.
Stand, Advertising display. L. Barry. 165,261, Nov. 27.
Stand, Concession. W. C. Kiser and C. E. Lennon, Jr. 165,291, Nov. 27.
Stocking. E. A. Gerhardt. 165,278, Nov. 27.
Stocking, Lady's. A. Genesio. 165,277, Nov. 27.
Stove and cabinet unit. H. Honer. 165,285, Nov. 27.
Table and cabinet, Combined. R. J. Dunlap. 165,273, Nov. 27.
Tail gate hinge and latch, Combined. F. Reifsteck. 165,302, Nov. 27.
Tool, Wire pulling and twisting. C. H. Goodson. 165,281, Nov. 27.
Toy grading machine. W. M. Arnold, Jr. 165,258, Nov. 27.
Vase or similar article, Glass. C. W. Carlson. 165,265–7, Nov. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF NOVEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerating ions. E. E. Hays. 2,576,601, Nov. 27.
Accordion. R. R. Rieschick. 2,576,480, Nov. 27.
Accounting sheet. F. W. Trumbull. 2,576,490, Nov. 27.
Acidified aqueous emulsions of polyvinyl acetate containing hydroquinone and making. W. E. Donahue and S. B. Luce. 2,576,827, Nov. 27.
Adhesive tape dispenser. T. H. Krueger. 2,576,404, Nov. 27.
Adjustable meter support. F. H. Mueller and W. J. Bowan. 2,576,630, Nov. 27.
Adjustable vehicle seat. E. D. Scott and E. A. Herider. 2,576,365, Nov. 27.
Advertising device. W. Adelman. 2,576,272, Nov. 27.
Agglomerated body and preparing same. C. R. Brown. 2,576,566, Nov. 27.
Air circulating arrangement for refrigerators. H. H. Bixler. 2,576,665, Nov. 27.
Air-conditioning apparatus. N. A. Pennington. 2,576,140, Nov. 27.
Air-conditioning unit. C. J. Wagner and G. V. Mack. 2,576,549, Nov. 27.
Air cooler. J. J. Dean. 2,576,503, Nov. 27.
Air distributor, Adjustable. O. A. Labus. 2,576,905, Nov. 27.
Airplane approach control system. O. S. Field, S. N. Wight, and R. W. Hewes. 2,576,452, Nov. 27.
Airplane sustentation and control surface arrangement. A. D. Geraci. 2,576,294, Nov. 27.
Amino-aldehyde resin solutions and preparing them. G. Barsky and F. A. Strauss. 2,576,711, Nov. 27.
Aminoalkyl esters of α,β,β-triaryl-propionic acids. C. P. Krimmel. 2,576,230, Nov. 27.
Amplifier, Torque. M. ten Bosch and P. H. Lang. 2,576,863, Nov. 27.
Amplitude modulation of magnetron. H. F. Engelmann. 2,576,108, Nov. 27.
Amusement device. W. H. Nicholson. 2,576,852, Nov. 27.
Anchor. R. S. Danforth. 2,576,390, Nov. 27.
Angularly adjustable wire to bar connector. I. F. Matthyse. 2,576,527, Nov. 27.
Animated toy vehicle. G. W. Harris. 2,576,398, Nov. 27.
Antenna, Man-pack. R. J. Lense. 2,576,128, Nov. 27.
Antenna, Metallic lens. W. E. Kock. 2,576,463, Nov. 27.
Antenna structure. G. N. Carmichael. 2,576,748, Nov. 27.
Antenna system, Directive. C. M. Simpson. 2,576,150, Nov. 27.
Antenna system, Scanning. W. C. Wilkinson, Jr. 2,576,182, Nov. 27.
Apparatus and method for clay baking. P. E. Kopp. 2,576,519, Nov. 27.
Apparatus for aligning balloons or the like. D. P. Reynolds. 2,576,891, Nov. 27.
Apparatus for casting dental restorations. I. Hordes. 2,576,224, Nov. 27.
Apparatus for cleaning hose filters. S. W. Wallin. 2,576,656, Nov. 27.
Apparatus for determining resonant frequencies. A. Stewart. 2,576,423, Nov. 27.
Apparatus for filtering. D. E. Bench. 2,576,275, Nov. 27.
Apparatus for forming depressions in cylindrical cans. W. F. Rothe. 2,576,240, Nov. 27.
Apparatus for heating selected portions of elongated workpieces in a continuous process. F. O. Hess and F. Maud. 2,576,342, Nov. 27.
Apparatus for loading record strips into record frames. M. B. Hall. 2,576,682, Nov. 27.
Apparatus for making brushes. J. A. Starr. 2,576,545, Nov. 27.
Apparatus for making flock covered paper. O. W. Berglund. 2,576,276, Nov. 27.
Apparatus for measuring physical conditions. K. A. Lang and J. F. Cross. 2,576,611, Nov. 27.
Apparatus for opening and cleaning lint cotton. E. H. Brooks. 2,576,280, Nov. 27.
Apparatus for preparing coal dust for briquetting. L. A. Tarpley and C. H. Fleming. 2,576,548, Nov. 27.
Apparatus for preparing solutions. E. Swartz. 2,576,315, Nov. 27.
Apparatus for producing self-supporting wrinkle film. H. A. Toulmin, Jr. 2,576,317, Nov. 27.
Apparatus for projecting aerial images in high relief. F. Sauvagé. 2,576,147, Nov. 27.
Apparatus for raising curtains, shades, and blinds. N. Bratt. 2,576,171, Nov. 27.
Applying a modified wrinkle finish coating to a base. J. R. Fisher, Jr. 2,576,290, Nov. 27.
Applying flexible covering material to a relatively rigid backing. J. S. Kamborian. 2,576,121, Nov. 27.
Arrangement for transmitting electric signals occupying a wide frequency band over narrow band circuits. S. S. Hill. 2,576,115, Nov. 27.
Article of furniture, Reclining. A. Lorenz. 2,576,465–6, Nov. 27.
Ash tray. C. B. Clapp. 2,576,572, Nov. 27.
Atomizer for perfume and like liquids. H. A. Simpson and A. A. Bamberger. 2,576,195, Nov. 27.
Automatic electric transfer fancy loom. J. Stuer. 2,576,244, Nov. 27.
Automatic hay baler control. G. and C. C. Dodds. 2,576,784, Nov. 27.
Automatic soldering iron. G. L. Flanagan. 2,576,393, Nov. 27.
Automatic speed control for rail-guided vehicles. D. E. Sunstein. 2,576,424, Nov. 27.
Automatic switch control circuit. M. E. Griffins. 2,576,220, Nov. 27.
Automatic transfer machine tool. H. T. R. Hanitz. 2,576,341, Nov. 27.
Automatic work abrading apparatus. R. G. Hall and S. M. Hill. 2,576,787, Nov. 27.
Automobile wheel-balance weight. H. E. Pouell. 2,576,724, Nov. 27.
Autothermic cracking reactor. W. R. Kinnaird. 2,576,228, Nov. 27.
Auxiliary carburetion device. C. de Marval. 2,576,450, Nov. 27.
Awning. H. P. Spradling. 2,576,422, Nov. 27.
Awning box. E. P. D'Azzo. 2,576,391, Nov. 27.
Awning, Collapsible. W. C. Ne Smith. 2,576,692, Nov. 27.
Ax and saw, Combination hand. E. C. Woltemath. 2,576,869, Nov. 27.
Axially adjustable rotary valve. A. J. Kreiner. 2,576,300, Nov. 27.
Back-pressure relief valve. W. H. Schmitt. 2,576,541, Nov. 27.
Bag handling machine, having means for driving the bag downwardly and closing the mouth thereof. E. E. Messmer and J. D. Sylvester. 2,576,471, Nov. 27.
Bag slitter. F. J. Vogel. 2,576,492, Nov. 27.
Bag with vacuum sealed valve closure. H. F. Waters. 2,576,322, Nov. 27.
Balanced crystal microwave converter. G. Rodwin. 2,576,481, Nov. 27.
Balanced panic door. E. Peremi and H. Weimann. 2,576,854, Nov. 27.
Balancing device for aircraft rotors. J. C. Childs. 2,576,105, Nov. 27.
Ball bearing. J. B. Thomson. 2,576,269, Nov. 27.
Barrel grapple. K. L. Reynolds. 2,576,193, Nov. 27.
Basket, Bicycle. C. S. Glenny and R. C. Method. 2,576,111, Nov. 27.
Bathtub hingedly mounted on a collapsible stand. B. E. McLaughlin. 2,576,623, Nov. 27.
Bearing: *See*—
Ball bearing.
Bearing. R. D. Pike. 2,576,141, Nov. 27.
Bearing. P. J. Super. 2,576,651, Nov. 27.
Belt conveyer, Extensible. I. S. Eggleston. 2,576,217, Nov. 27.
Bicycle carrier. J. H. Hill. 2,576,222, Nov. 27.
Binding laminated material. F. G. and S. H. Dobbs. 2,576,826, Nov. 27.
Binding tape applicator. C. F. McBride and H. G. Kreps. 2,576,621, Nov. 27.
Biological oxygen demand reduction process. J. N. Borglin and I. Woodcock. 2,576,442, Nov. 27.
Bird scaring device. H. L. Berger. 2,576,209, Nov. 27.
Biscuit loading mechanism for conveyers. J. W. Smith. 2,576,366, Nov. 27.
Blade magazine for razors. J. A. Gabriel. 2,576,589, Nov. 27.
Blading for fluid flow devices. H. Schneider. 2,576,700, Nov. 27.
Board: *See*—
Panel board.
Boat, Hydrofoil. N. W. Gardiner. 2,576,716, Nov. 27.
Bottle cap. A. G. Edwards. 2,576,580, Nov. 27.
Bottle package. N. A. Schoelles. 2,576,725, Nov. 27.
Bottom hole plug for wells. N. C. McIntyre. 2,576,234, Nov. 27.
Box: *See*—
Awning box. Vanity box.
Spooled film developer box.
Brace, Vehicle body. E. S. Grilley. 2,576,397, Nov. 27.
Bracket and lock therefor. C. F. Vanderveld. 2,576,865, Nov. 27.

Brake: *See*—
Internally expanding brake.
Brake for hoists, Load. C. H. Moffett. 2,576,628, Nov. 27.
Brush and scraper unit. V. D. Wood. 2,576,325, Nov. 27.
Brush, Bath. B. B. Gamble. 2,576,338, Nov. 27.
Brush, Rotary. J. V. Mertes. 2,576,408, Nov. 27.
Brushes, Making. J. A. Starr. 2,576,546, Nov. 27.
Buffing apparatus. G. A. Lyon. 2,576,131, Nov. 27.
Bushing. J. W. Leighton. 2,576,885, Nov. 27.
C clamp with angularly adjustable pressure element. G. J. Jessen and W. C. Kenworthy. 2,576,904, Nov. 27.
Cabinet: *See*—
Chart display cabinet. Collapsible cabinet.
Cabinet construction having heat exchange inner walls, Refrigerator. R. L. Benson. 2,576,208, Nov. 27.
Cabinet with a heating element therein, Beverage and food. G. M. Acton. 2,576,874, Nov. 27.
Cable: *See*—
Electric cable. Nonmetallic armored electrical submarine cable.
Communication cable.
Cam controlled work holder. C. A. Ulfves. 2,576,707, Nov. 27.
Cap: *See*—
Bottle cap.
Capacitance strain gauge. J. R. Stovall, Jr. 2,576,489, Nov. 27.
Capacitor for radio-frequency circuits. B. O. Ballou. 2,576,770, Nov. 27.
Car side construction and load bracing apparatus. E. G. Mangels. 2,576,798, Nov. 27.
Carbon paper cross-feed for autographic registers. L. A. Holman. 2,576,879, Nov. 27.
Carboxy acyl derivatives of sulfanilamides, Manufacturing. G. S. Delmar and E. N. Macallum. 2,576,825, Nov. 27.
Carrier: *See*—
Bicycle carrier. Collapsible carrier.
Carton lining device. E. M. Roach. 2,576,697, Nov. 27.
Cathode-ray polar coordinate vector plotter. A. H. Waynick. 2,576,818, Nov. 27.
Cathode-ray tube circuit. M. Arditi. 2,576,093, Nov. 27.
Cattle guard. E. S. McPherson. 2,576,188, Nov. 27.
Cattle restraining apparatus. A. E. Thorson. 2,576,654, Nov. 27.
Cellulose ester plasticized with a 1-4 butandiol diester. G. J. Shugar and W. D. Paist. 2,576,268, Nov. 27.
Centralized traffic controlling system. F. X. Rees. 2,576,479, Nov. 27.
Centralizing drill. L. E. Gray and C. H. Viebrock. 2,576,786, Nov. 27.
Ceramic dielectrics comprising essentially titania. J. Woodcock and J. K. Paridge. 2,576,378–9, Nov. 27.
Ceramic dielectrics comprising essentially titania. J. Woodcock and J. K. Paridge. 2,576,380, Nov. 27.
Ceramic product and making the same. C. R. Brown. 2,576,565, Nov. 27.
Chain: *See*—
Toy chain.
Chair: *See*—
Wheel chair.
Chart display cabinet. B. L. Padgett. 2,576,888, Nov. 27.
Check valve. J. B. Ratelband. 2,576,810, Nov. 27.
Cheese products and making, Dehydrated. L. Gootgeld. 2,576,597, Nov. 27.
Chenile making machine. C. B. Weller. 2,576,430, Nov. 27.
Chlorine oxidation of bile acids. R. J. Servis, R. H. Carroll, and B. F. Tullar. 2,576,728, Nov. 27.
Chloro-anacardic polymers and making the same. E. E. Novotny and G. K. Vogelsang. 2,576,722, Nov. 27.
Choline chloride composition, Non-corrosive. F. W. Schmitz. 2,576,644, Nov. 27.
Chuck for holding pistons. T. A. Witek. 2,576,741, Nov. 27.
Circuit: *See*—
Automatic switch control circuit.
Cathode-ray tube circuit.
Electrical marker generator circuit.
Electronic switching circuit.
Pulse shaping circuit.
Variable band width circuit.
Clamp: *See*—
Skull clamp.
Clamping device. T. S. Gates. 2,576,506, Nov. 27.
Cleaner: *See*—
Strainer cleaner. Windshield cleaner.
Suction cleaner.
Cleaning composition. J. H. Secrist and W. H. Petering. 2,576,419, Nov. 27.
Cleaning device for rotary brushes. W. L. MacKenzie. 2,576,185, Nov. 27.
Cleansing composition, Denture. L. D. Apperson. 2,576,205, Nov. 27.
Cleansing eggs in bulk. C. G. Paden. 2,576,236, Nov. 27.
Clip: *See*—
Nonslip garment clip. Tire chain applying clip.
Partition base clip.
Clock, Wall and desk cyclometer. A. Holzner. 2,576,119, Nov. 27.
Clothes hanger. W. K. Latvala. 2,576,612, Nov. 27.
Clothes lifter. S. W. Stageberg. 2,576,242, Nov. 27.
Clutch: *See*—
Overrunning sprag type clutch.
Clutch for power transmission, V-belt. A. G. Hupp. 2,576,605, Nov. 27.
Coated chain, Manufacturing. H. A. Toulmin, Jr. and J. E. Berman. 2,576,372, Nov. 27.
Coating apparatus. H. A. Toulmin, Jr., and J. E. Berman. 2,576,319, Nov. 27.
Coating composition and making. P. Nordon. 2,576,307–8, Nov. 27.
Coffee maker, Vacuum. A. C. Wilcox. 2,576,432, Nov. 27.
Coil-winding machine. J. S. Burge, R. M. Goodwin, and H. J. McKee. 2,576,568, Nov. 27.
Coke oven door handling apparatus. P. H. Lavely. 2,576,126, Nov. 27.
Collapsible cabinet. W. V. Clark. 2,576,750, Nov. 27.
Collapsible carrier. M. E. Holy. 2,576,179, Nov. 27.
Collapsible garment hanger. E. Kittredge. 2,576,761, Nov. 27.
Comb, Foldable. C. P. Robertson. 2,576,194, Nov. 27.
Combination stop mechanism. R. P. Mork. 2,576,764, Nov. 27.
Combination toothbrush, water glass, and soap holder. F. J. Bidmon. 2,576,560, Nov. 27.
Combined clean-out and flow control device for fluid lines. W. L. Ramsey. 2,576,640, Nov. 27.
Compartmented refrigerator door. R. H. Money. 2,576,691, Nov. 27.
Compensating mechanism for motion-picture machines. K. Brenkert. 2,576,713, Nov. 27.
Composite sheet material. J. Ulano. 2,576,491, Nov. 27.
Compositions comprising vat dyes sensitive to overreduction and dyeing. J. M. Mecco. 2,576,846, Nov. 27.
Compositions of matter containing semiesters of dicarboxylic acids. O. Albrecht. 2,576,897, Nov. 27.
Compositions of matter for producing a softening effect on textiles. O. Albrecht. 2,576,896, Nov. 27.
Compressor. H. R. Gamble. 2,576,876, Nov. 27.
Computer, Bombsight. R. N. Close. 2,576,331, Nov. 27.
Computer, Spherical triangle. J. V. Sharp. 2,576,149, Nov. 27.
Concentration control system. J. K. Farrell and P. A. Keene. 2,576,253, Nov. 27.
Concentric conductor electric cable with magnetic screen. W. K. Weston and E. Baguley. 2,576,163, Nov. 27.
Cone grip lock nut. R. F. Donovan. 2,576,579, Nov. 27.
Connecting a trailer to a draft vehicle. D. B. Avery. 2,576,383, Nov. 27.
Connector: *See*—
Angularly adjustable wire to bar connector. Submersible type insulated connector.
Connector with hard particle lining. I. F. Matthysse. 2,576,528, Nov. 27.
Container: *See*—
Dispensing container. Shipping container.
Postage stamp container.
Container and manufacture, Metal. F. L. A'Hearn. 2,576,767, Nov. 27.
Container with integral snapping closure fastener. M. I. Williamson. 2,576,708, Nov. 27.
Continuous dough feed. M. Cohen. 2,576,670, Nov. 27.
Continuous strand helical conveying apparatus. E. T. Lorig. 2,576,233, Nov. 27.
Control device for milking machines. A. G. Perkins. 2,576,808, Nov. 27.
Control for double doors. T. H. Sheehan, Jr. 2,576,703, Nov. 27.
Control for papermaking machines. E. F. and D. E. Lewellen. 2,576,614, Nov. 27.
Control system and device for dynamoelectric machines. W. R. Holmes. 2,576,117, Nov. 27.
Control system and device for dynamoelectric machines. W. R. Holmes. 2,576,604, Nov. 27.
Controllable pressure means for spraying liquids and the like. G. H. Bramhall. 2,576,668, Nov. 27.
Controlled fluid delivery system. J. P. Smith. 2,576,543, Nov. 27.
Controlling multiple-effect evaporators. J. G. Ziegler. 2,576,496, Nov. 27.
Conveyer storage system, Endless. J. C. and J. D. Davis. 2,576,107, Nov. 27.
Cooker, Food steam. J. J. Sullivan. 2,576,313, Nov. 27.
Cooky-cutting machine. C. L. Ott. 2,576,533, Nov. 27.
Cooler: *See*—
Air cooler.
Cooling means for turbines. E. A. Stalker. 2,576,814, Nov. 27.
Corrugating machine. A. J. Carr. 2,576,281, Nov. 27.
Cotton boll guide for cotton-picking machines. F. M. Brown. 2,576,567, Nov. 27.
Cotton stripper. L. T. Wright. 2,576,381, Nov. 27.
Counter kitchen, Sectional. H. A. Michaelis and H. F. Swanson. 2,576,409, Nov. 27.
Coupling device, Ultrahigh-frequency. L. Malter and J. L. Moll. 2,576,186, Nov. 27.
Cover: *See*—
Mattress cover. Wheel cover.
Metal cover.
Cover for catch basins, Safety replacement. O. W. Nelson. 2,576,353, Nov. 27.
Cover for punch presses, Guide pin. H. D. Gordon. 2,576,112, Nov. 27.

Crate, Stackable pallet type. B. C. Coit, Jr. 2,576,672, Nov. 27.
Crease retainer, Adjustable hat. G. Maniglia. 2,576,690, Nov. 27.
Crimped plate capacitance strain gauge. J. R. Stovall, Jr., and I. Weintraub. 2,576,488, Nov. 27.
Cultivator, Tractor mounted. F. T. Court. 2,576,780, Nov. 27.
Cultivator, Tractor mounted disk. N. B. Milton. 2,576,351, Nov. 27.
Cutter: *See*—
Staple fiber cutter.
Cutter bar for lawn mowers. G. W. Leigh. 2,576,884, Nov. 27.
Cutter bar for lawn mowers and the like. H. Goldberg. 2,576,593, Nov. 27.
Cutter tool control for glass cutting machines. E. Brichard, M. Delacuvellerie, and P. Malicheff. 2,576,564, Nov. 27.
Cylinder head. G. D. Angle. 2,576,819, Nov. 27.
Cylinder holder. E. H. Gibson. 2,576,832, Nov. 27.
Decorticator. W. E. Wright. 2,576,166, Nov. 27.
Dehydration and isomerization of straight-chain-conjugated polyene esters and acids. E. M. Shantz, C. D. Robeson, and B. M. Kascher. 2,576,104, Nov. 27.
Deicing system for aircraft sustaining rotor blades. P. H. Stanley. 2,576,487, Nov. 27.
Delta-valerolactones, Preparation of. H. W. de Jong. 2,576,901, Nov. 27.
Dental demonstrating apparatus. G. H. Burtenshaw. 2,576,569, Nov. 27.
Dentifrice-containing device and dentifrice applicator therefor. J. F. Waters. 2,576,550, Nov. 27.
Deposit and cash slip, Combination. H. G. Willis. 2,576,164, Nov. 27.
Device comprising at least one level vial. A. Wullschleger. 2,576,202, Nov. 27.
Device for conveying paper and similar substances. P. Koole, L. R. Bourgonjon, and H. De Lange. 2,576,882, Nov. 27.
Device for cooking doughnuts. H. N. Irvine and K. L. Magee. 2,576,183, Nov. 27.
Device for crushing and cleaning fibrous vegetable units. J. McCrae and E. Manero. 2,576,406, Nov. 27.
Device for friction driven drums. G. Bojner. 2,576,210, Nov. 27.
Device for generating neutrons. A. O. Hanson. 2,576,600, Nov. 27.
Device for hanging floral displays. M. L. Spitz. 2,576,705, Nov. 27.
Device for positioning parts. A. J. Merles. 2,576,305, Nov. 27.
Dialing apparatus, Automatic multiple. C. W. Olliver. 2,576,189, Nov. 27.
Diaphragm pump. R. Von Rotz. 2,576,200, Nov. 27.
Dimension duplicating attachment with indicating means. A. A. Gentzhorn. 2,576,590, Nov. 27.
Dispenser: *See*—
Adhesive tape dispenser.
Dispenser with means to vary a measured discharge, Liquid. A. U. Bryant. 2,576,747, Nov. 27.
Dispensing container. S. Goldstein. 2,576,595, Nov. 27.
Dispensing machine. A. R. Curioni. 2,576,781, Nov. 27.
Dispensing machine, Newspaper. J. E. Opgenorth. 2,576,636, Nov. 27.
Display apparatus, Merchandise. M. Gluckman. 2,576,508, Nov. 27.
Door: *See*—
Balanced panic door.
Compartmented refrigerator door.
Door and making and mounting the same, Access. E. H. Voelker. 2,576,734, Nov. 27.
Door and window, Automobile. E. C. Wahlberg. 2,576,816, Nov. 27.
Doorknob structure. S. Bloomfield. 2,576,441, Nov. 27.
Door latch means, Spring-loaded pressure-releasable. R. K. Nottingham. 2,576,635, Nov. 27.
Door latch mechanism. D. C. Smith. 2,576,648, Nov. 27.
Door structure, Bulkhead. Y. K. Buell. 2,576,387, Nov. 27.
Draft rigging for wagons. E. W. Hiles and W. H. Ruther. 2,576,178, Nov. 27.
Drafting machine. C. H. and C. H. Little. 2,576,615, Nov. 27.
Drawer structure, Movable. W. R. McDowell. 2,576,407, Nov. 27.
Drier: *See*—
Hair drier.
Drier combined with comb, Hair. R. Steiner. 2,576,368, Nov. 27.
Drill: *See*—
Centralizing drill.
Twist drill.
Drilling bit for wood or the like. H. C. Wilson. 2,576,376, Nov. 27.
Drive for magnetic-wire recorders. L. J. Holzman. 2,576,459, Nov. 27.
Drop device. S. Kirschenbaum. 2,576,403, Nov. 27.
Drying and curing apparatus. C. B. Albright. 2,576,274, Nov. 27.
Dye fixing product and process and treatment of textiles therewith. M. J. Spangler. 2,576,241, Nov. 27.
Dyestuffs. H. France and N. H. Haddock. 2,576,293, Nov. 27.
Dynamic pyrolytic plating process. A. O. Fink. 2,576,289, Nov. 27.
Dynamometer, Column type force mensuring. A. C. Ruge. 2,576,417, Nov. 27.
Earth anchor. H. R. Ogburn. 2,576,412, Nov. 27.
Eccentric crank pin mounting. E. W. Patterson. 2,576,765, Nov. 27.
Edging sheets and plates. E. C. Oberstar and S. G. Coleman. 2,576,887, Nov. 27.
Electric carburetor heater. A. Kimmell. 2,576,401, Nov. 27.
Electric communication cable. J. F. Morley and S. G. Foord. 2,576,134, Nov. 27.
Electric contacts. J. F. Barry. 2,576,437, Nov. 27.
Electric cord adjusting reel. B. O. Fanslow. 2,576,335, Nov. 27.
Electric insulator having potential drop controlling means. G. Perrins. 2,576,723, Nov. 27.
Electric socket member having plug-in openings for the prongs of a plurality of plugs. J. R. Wood. 2,576,165, Nov. 27.
Electrical apparatus. J. R. Frei and C. W. Root. 2,576,394, Nov. 27.
Electrical generating apparatus. G. C. Sziklai and W. A. Tolson. 2,576,652, Nov. 27.
Electrical marker generator circuit. L. H. Johnston. 2,576,346, Nov. 27.
Electrical translator of binary code to decimal code. F. H. Bray, G. C. Hartley, and D. S. Ridler. 2,576,099, Nov. 27.
Electrically operated control device. B. R. Thompson and G. E. Hammond. 2,576,371, Nov. 27.
Electrode spacer structure for electron discharge devices. L. E. Cisne. 2,576,251, Nov. 27.
Electrolyte for alkaline dry cells. S. Ruben. 2,576,266, Nov. 27.
Electrolytic cells. S. V. Andreasen. 2,576,553, Nov. 27.
Electron tube grid, Nonemitting. I. Levin. 2,576,129, Nov. 27.
Electronic comparator for analyzing ferrous and nonferrous material. J. R. Cornelius. 2,576,173, Nov. 27.
Electronic switching circuit. R. C. Wittenberg. 2,576,552, Nov. 27.
Electrophoretic method of coating wire with graphite. H. W. Rimbach. 2,576,362, Nov. 27.
Electrotherapeutic impulse generator. A. Nemet and M. Berindei. 2,576,634, Nov. 27.
Elevator loader for vehicles, Tail gate. K. W. Kern. 2,576,881, Nov. 27.
Embalmer's jowl holder. A. E. Wright. 2,576,871, Nov. 27.
Embalmer's lip holder. A. E. Wright. 2,576,870, Nov. 27.
Embalming table. S. G. Hoffman. 2,576,116, Nov. 27.
Engaging and driving rotated workpieces. E. R. Smith. 2,576,704, Nov. 27.
Engine silencer with transverse baffle structure. F. H. Kyffin. 2,576,522, Nov. 27.
Expanding pocket, Automatically. D. J. Nash. 2,576,474, Nov. 27.
Expansible tool handle. P. H. Dortmund. 2,576,751, Nov. 27.
Extension attachment for boats. E. S. Anderson. 2,576,744, Nov. 27.
Extracting of nickel values from nickelliferous sulfide material. F. A. Forward. 2,576,314, Nov. 27.
Fabric: *See*—
Reflecting fabric.
Fastener unit. O. J. Poupitch. 2,576,906, Nov. 27.
Fastening peg. C. W. Rayburn. 2,576,238, Nov. 27.
Faucet, Combination. H. R. B. Peterson. 2,576,414, Nov. 27.
Fault indicating system for control circuits. R. W. Cochran. 2,576,574, Nov. 27.
Feed mixing apparatus. J. S. Herr. 2,576,177, Nov. 27.
Feeding and mixing means for rotating combustion chambers. R. H. Goddard. 2,576,678, Nov. 27.
Ferris wheel. W. Powell. 2,576,477, Nov. 27.
Fiber recovering machine. W. L. Hannold and J. J. Griffith. 2,576,788, Nov. 27.
Fighting fire aboard ships. J. C. Rochet. 2,576,143, Nov. 27.
File binder. A. A. Chauvin. 2,576,571, Nov. 27.
Filling device for feed troughs, Adjustable. F. C. Trautvetter. 2,576,154, Nov. 27.
Film transporting mechanism for automatic photographic apparatus. P. S. Allen. 2,576,204, Nov. 27.
Film viewer, Projection. L. Frankel. 2,576,586, Nov. 27.
Filter: *See*—
Oil filter.
Suction cleaner filter.
Filter bag attaching means for dust arresting apparatus. R. Ruemelin. 2,576,310, Nov. 27.
Filter product, Molded. J. E. Valente. 2,576,864, Nov. 27.
Filtering, Method and apparatus for. A. O. Fink and D. E. Bench. 2,576,288, Nov. 27.
Fire box with air and steam feeding means, Oil-burning boiler. F. Wetzel. 2,576,373, Nov. 27.
Fire escape life reel. A. F., N. A., and G. D. Gaskins. 2,576,755, Nov. 27.
Fire escape, Portable. R. B. Mitchell. 2,576,531, Nov. 27.
Fish cutting machine. M. K. Kuther. 2,576,301, Nov. 27.

Fishhook. E. C. Lane. 2,576,795, Nov. 27.
Fishhook, Weedless. R. R. McCrumb. 2,576,304, Nov. 27.
Fish positioning machine. P. Danielsson. 2,576,215, Nov. 27.
Fishing float. R. D. Parry. 2,576,237, Nov. 27.
Fishing gear. H. C. Jensen. 2,576,880, Nov. 27.
Fishing reel. J. D. Furbush. 2,576,587, Nov. 27.
Fishing rod holder. D. B. Carter. 2,576,212, Nov. 27.
Flexible cutoff for planter seed plates. W. P. Oehler. 2,576,693, Nov. 27.
Flexible wave guide. W. H. Hewitt, Jr. 2,576,835, Nov. 27.
Flight information device. C. M. Kramer. 2,576,608, Nov. 27.
Floor covering, Pile fabric. R. J. Jackson. 2,576,791, Nov. 27.
Flow brightening electrodeposited tin on tinplate. C. J. Duby. 2,576,902, Nov. 27.
Fluid medium propelled and rotated apparatus for cleaning the inside of pipes. D. K. Stephens. 2,576,197, Nov. 27.
Fluid sampling device, Automatic. C. A. Wendel. 2,576,737, Nov. 27.
Fluid seal. P. I. Cole. 2,576,673, Nov. 27.
Fluke anchor. N. E. Burleson, Sr. 2,576,172, Nov. 27.
Fluorination with granular CrF_3 catalyst. A. F. Benning, J. D. Park, and S. E. Krahler. 2,576,823, Nov. 27.
Foam rubber, Making. H. A. Toulmin, Jr. 2,576,318, Nov. 27.
Focusing device for centimeter waves. H. Iams. 2,576,181, Nov. 27.
Food chopping attachment. J. C. Morris. 2,576,802, Nov. 27.
Football side line marker. C. F. Volz. 2,576,321, Nov. 27.
Footrest. E. V. Koski. 2,576,883, Nov. 27.
Forced air circulation combustion type space heater. K. S. Jenson. 2,576,685, Nov. 27.
Forced draft buffer. M. Schloss. 2,576,364, Nov. 27.
Forming a pouring spout blank. S. Goldstein. 2,576,594, Nov. 27.
4-ethylcyclohexene, Preparation of. O. C. W. Allenby. 2,576,743, Nov. 27.
4-nitro-1-aminonaphthalene-5-sulfonic acid, Manufacture of. F. Oesterlein. 2,576,807, Nov. 27.
4,6-diketo-5,5-disubstituted pyrimidines and preparing same. W. R. Boon, H. C. Carrington, and C. H. Vasey. 2,576,279, Nov. 27.
Frame: *See*—
Sash frame.
Frame construction for folding carriages. W. C. Troendle. 2,576,706, Nov. 27.
Frame construction for turbojet engines. C. N. Lawter. 2,576,762, Nov. 27.
Frame for the assembly, repair, and cleaning of motor cars, Lifting. L. N. Thurzó. 2,576,426, Nov. 27.
Freezing tray and operating same, Mechanical. H. D. Gever. 2,576,591, Nov. 27.
Frequency division for television systems. R. W. Elbourn and L. R. J. Johnson. 2,576,676, Nov. 27.
Frequency measuring device. F. G. Brockman. 2,576,900, Nov. 27.
Frequency modulation detector. W. M. Goodall. 2,576,833, Nov. 27.
Frequency stabilized phase shifting network. H. N. Bowes. 2,576,499, Nov. 27.
Freight securing means, Adjustable. P. H. Thearle. 2,576,425, Nov. 27.
Froth flotation of siliceous impurities from cellulose. A. Langmeier. 2,576,464, Nov. 27.
Fuel governor for jet engines. R. A. Neal. 2,576,352, Nov. 27.
Fuel injection pump. J. Dickson and K. L. Hulsing. 2,576,451, Nov. 27.
Fuel injection system. B. G. Parsons. 2,576,694, Nov. 27.
Fuel pump. C. W. Van Ranst and W. D. Smith. 2,576,894, Nov. 27.
Fuel supply system for internal-combustion engines. L. C. Parker. 2,576,853, Nov. 27.
Fuel tank. W. E. Atwood and R. L. Holland. 2,576,555, Nov. 27.
Fungicidal preparation utilizing magnesium hydroxide, Preparing a. A. M. Thomsen. 2,576,731, Nov. 27.
Furnace charger. T. M. Rose. 2,576,265, Nov. 27.
Furnace with thermostatic control, Gas-burning air- and water-heating. D. B. Koser. 2,576,719, Nov. 27.
Fuse plug circuit breaker. E. V. Sundt. 2,576,815, Nov. 27.
Game apparatus, Table target. J. L. Wostrel. 2,576,326, Nov. 27.
Garment, Infant's. P. G. Siegel. 2,576,812, Nov. 27.
Gas mixing device. L. M. Herzfeld. 2,576,602, Nov. 27.
Gasoline dispensing pump. R. M. Wilson. 2,576,740, Nov. 27.
Gauge: *See*—
Capacitance strain gauge.
Crimped plate capacitance strain gauge.
Ionization gauge.
Protected ring gauge.
Saw gauge.
Single or offset contact type micrometer gauge.
Gauge for measuring dimensions or forces, Pneumatic. C. G. Hård af Segerstad. 2,576,221, Nov. 27.
Gauging and sampling well for vessels. J. W. Stewart, Jr. 2,576,893, Nov. 27.
Gauging mechanism for scroll shear machines. S. R. Johnson. 2,576,792, Nov. 27.
Gear: *See*—
Fishing gear.
Gelling of polymeric compounds. O. W. Murray. 2,576,850, Nov. 27.
Generation of electromagnetic waves by Doppler effects. S. Ramo. 2,576,696, Nov. 27.
Generator: *See*—
Electrotherapeutic impulse generator.
Single side-band signal generator.
Variable rate sweep voltage generator.
Generator set, Vapor electricity. P. Crocchi. 2,576,284, Nov. 27.
Germanium rectifier material, Preparation of. J. H. Scaff and H. C. Theuerer. 2,576,267, Nov. 27.
Glass blowing machine. L. N. Pond. 2,576,191, Nov. 27.
Glass unit, Laminated. D. T. Downes. 2,576,392, Nov. 27.
Glue applicator for bag sealing machines. E. E. Messmer and J. D. Sylvester. 2,576,472, Nov. 27.
Glycol bis-chlorosulfinates. A. Pechukas. 2,576,139, Nov. 27.
Gold alloys. J. M. Williams. 2,576,738–9, Nov. 27.
Golf club and locking means therefor, Angularly adjustable. J. Verderber. 2,576,866, Nov. 27.
Grain cutter guard. W. I. Kenison. 2,576,122, Nov. 27.
Graining machine for zinc offset-printing plates. W. F. Horst. 2,576,088, Nov. 27.
Granular polymerization of polymerizable liquid organic compound in the presence of a hypophosphite. B. M. Marks. 2,576,720, Nov. 27.
Grinder, Valve. F. L. Earll. 2,576,333, Nov. 27.
Grinding machine, Tube thread. C. A. Reinschissel and G. E. Hieber. 2,576,239, Nov. 27.
Grinding method and machine. J. C. Wilson. 2,576,201, Nov. 27.
Gun sight. E. H. Irasek. 2,576,120, Nov. 27.
Gun sling. J. D. Bennek. 2,576,559, Nov. 27.
Gun telescope mounting. B. W. Jones. 2,576,347, Nov. 27.
Hair drier. W. R. Huber and A. L. Jones. 2,576,226, Nov. 27.
Hair trimmer, Handle type. W. M. Mansfield. 2,576,618, Nov. 27.
Hammer. C. J. Stevens. 2,576,243, Nov. 27.
Handle: *See*—
Expansible tool handle.
Handle attachment for bag containers. G. S. McGuire. 2,576,239, Nov. 27.
Handle control for suction cleaners. L. E. Segesman. 2,576,727, Nov. 27.
Handling concrete forms. H. E. Williams. 2,576,375, Nov. 27.
Hanger: *See*—
Clothes hanger.
Collapsible garment hanger.
Storm window hanger.
Trouser and skirt hanger.
Hanger with integral locking, Garment. B. Weiss. 2,576,162, Nov. 27.
Harness, Safety. L. L. Wilson, Jr. 2,576,867, Nov. 27.
Harness, Ski. R. Purvis. 2,576,639, Nov. 27.
Harrow runner. J. B. Kucera. 2,576,256, Nov. 27.
Heat exchange apparatus. C. J. Lockman. 2,576,843, Nov. 27.
Heat exchanger. G. Chausson. 2,576,213, Nov. 27.
Heat exchanger. R. Ruemelin. 2,576,309, Nov. 27.
Heat treatment of strip metals. G. W. Ashton. 2,576,169, Nov. 27.
Heater: *See*—
Electric carburetor heater.
Forced air circulation combustion type space heater.
Paint heater.
Heater for stock watering tanks, Electric. J. T. Landgraf. 2,576,688, Nov. 27.
Heating unit, Electrical. J. W. Myers. 2,576,632, Nov. 27.
Heavy-duty transmission. R. A. Beckwith. 2,576,478.
Heptachlor, Producing. H. Bluestone, R. E. Lidov, J. H. Knaus, and P. W. Howerton. 2,576,666, Nov. 27.
Hoist control mechanism. T. J. Putnam. 2,576,359, Nov. 27.
Hoist, Dough trough. E. E. Folkenroth and A. G. Avila. 2,576,831, Nov. 27.
Hoist, Truck and wagon. R. M. Ulrich. 2,576,732, Nov. 27.
Hoisting apparatus. D. A. Wallace. 2,576,158, Nov. 27.
Hoisting apparatus. D. A. Wallace. 2,576,907–8, Nov. 27.
Holder: *See*—
Cam controlled work holder.
Combination toothbrush, water glass and soap holder.
Cylinder holder.
Embalmer's jowl holder.
Embalmer's lip holder.
Fishing rod holder.
Machine tool work holder.
Price tag holder.
Rod holder.
Holder and opener, Bobby pin. E. A. Bartsch. 2,576,822, Nov. 27.

Holder for drapery headings and the like, Two-part. F. J. Schwartz. 2,576,701, Nov. 27.
Holder for projectors, Slide. C. A. Cox. 2,576,714, Nov. 27.
Holder for toilet tissue rolls. A. Marchand. 2,576,526, Nov. 27.
Hollow mandrel for placement of discrete material. B. C. Gerwick, Jr. 2,576,507, Nov. 27.
Holster, Water pistol. W. E. Lawson, Jr., and W. E. Lawson, Sr. 2,576,231, Nov. 27.
Hook. B. S. Minor. 2,576,261, Nov. 27.
Horizontal transport of solids. F. E. England. 2,576,504, Nov. 27.
Hot-water tank. J. T. Hines and J. R. Baldwin. 2,576,603, Nov. 27.
Hubcap. H. J. Horn. 2,576,683, Nov. 27.
Hunting quiver for hunting arrows. J. C. Ramsey. 2,576,360, Nov. 27.
Hydraulic barker with multiple nozzle oscillating linkage. E. C. Shaw and M. L. Jensen. 2,576,861, Nov. 27.
Hydraulic control of veneer slicing machines. L. F. Koss. 2,576,520, Nov. 27.
Hydraulic expressor. N. J. Jr., and J. L. Cavagnaro. 2,576,776, Nov. 27.
Hydraulic tracer control unit. A. P. Waterson. 2,576,817, Nov. 27.
Hydropyran compounds. R. R. Whetstone. 2,576,323, Nov. 27.
Hyposulfites by means of amalgam, Making. S. Z. Avedikian. 2,576,769, Nov. 27.
Ice cream, Making variegated. E. C. Lehner. 2,576,842, Nov. 27.
Imidazolidine compounds and preparing them, Substituted. G. H. Morey. 2,576,306, Nov. 27.
Impact wrench. J. P. Newman. 2,576,851, Nov. 27.
Implement attachment means. F. T. Court. 2,576,779, Nov. 27.
Increasing the resistance to corrosion of stainless steel. L. Guitton. 2,576,680, Nov. 27.
Indicating television image distribution. A. C. Schroeder. 2,576,859, Nov. 27.
Inhibition of scale formation in steam generation. P. G. Bird. 2,576,386, Nov. 27.
Injector for injecting caustic or acid fluids. R. J. Chambers. 2,576,282, Nov. 27.
Insect destroyer. A. T. Holte. 2,576,118, Nov. 27.
Internal-combustion engine carburetion system. L. E. Perrine. 2,576,475, Nov. 27.
Internally expanding brake. E. R. Ross. 2,576,538, Nov. 27.
Interpolymerization. P. O. Tawney. 2,576,370, Nov. 27.
Interpolymers. P. O. Tawney. 2,576,245, Nov. 20.
Ion controller. W. W. Hicks. 2,576,399, Nov. 27.
Ionization gauge. E. R. Beringer. 2,576,330, Nov. 27.
Iron: *See*—
Automatic soldering iron.
Jack: *See*—
Tire and wheel jack.
Joint: *See*—
Swivel joint.
Joint construction for panels. L. B. Green. 2,576,296, Nov. 27.
Knife, Excelsior. F. H. Phillips. 2,576,190, Nov. 27.
Knockout device for punch presses. A. C. Good. 2,576,295, Nov. 27.
Label attaching means. J. A. Jimenez, P. O. Bloomquist, and W. R. Wells. 2,576,838, Nov. 27.
Lamp assembly for illuminating instruments, Detachable. W. C. Emery. 2,576,583, Nov. 27.
Lamp shade in combination with a diffusing shade. W. M. C. Lam. 2,576,523, Nov. 27.
Lamp socket. H. C. Robertson. 2,576,856, Nov. 27.
Latch: *See*—
Privacy latch.
Latex and tape applicator for rugs, Combination. C. F. McBride and H. G. Kreps. 2,576,622, Nov. 27.
Learner (driver) distinguishing plate. P. Whitwell. 2,576,374, Nov. 27.
Leather trimming device. R. W. Hall. 2,576,878, Nov. 27.
Leader with overhead side flushers. J. R. Richards. 2,576,641, Nov. 27.
Lifter: *See*—
Clothes lifter.
Lifter for handling objects. R. Nelson. 2,576,235, Nov. 27.
Light for automobile radiator caps, Neon. C. E. Rose. 2,576,857, Nov. 27.
Light for motor vehicles, Side. J. Jansoone. 2,576,510, Nov. 27.
Lighter. C. A. Fortin. 2,576,453, Nov. 27.
Light meter. R. S. Simons. 2,576,813, Nov. 27.
Lignin compounds and making same. J. R. Salvesen and C. Harmon. 2,576,418, Nov. 27.
Line measuring meter. W. R. Morby. 2,576,629, Nov. 27.
Liquid fuel pump. F. M. Evans. 2,576,334, Nov. 27.
Lock for self-loading firearms, Action. P. A. Klocker. 2,576,184, Nov. 27.
Lock nut, Thread gripping. O. J. Poupitch 2,576,890, Nov. 27.
Locking and pressure release mechanism for hydraulic motors. B. N. Ashton. 2,576,554, Nov. 27.
Locking device for bicycles. S. W. Buxton. 2,576,773, Nov. 27.
Locking means for an excavating bucket tooth, Detachable. M. D. Hostetter. 2,576,225, Nov. 27.
Locking or control means for the slide of a plate or film holder for photographic apparatus. M. Schwartz and W. Castedello. 2,576,811, Nov. 27.
Log-loading device for motor vehicles. M. M. and L. L. McBride, and S. D. Curry. 2,576,187, Nov. 27.
Loom: *See*—
Automatic electric transfer fancy loom.
Lubricated thread. A. Cresswell and E. P. Johnstone, Jr. 2,576,576, Nov. 27.
Machine for barking logs. N. G. Leffler. 2,576,127, Nov. 27.
Machine for buffing, sanding, and the like. H. L. Auten. 2,576,745, Nov. 27.
Machine for cutting glass disks. A. T. Fletcher. 2,576,291, Nov. 27.
Machine for mixing and kneading food products and the like. L. J. Collins. 2,576,575, Nov. 27.
Machine tool. W. L. Benninghoff and A. F. Robertson. 2,576,093, Nov. 27.
Machine tool work holder. R. L. Hibbard. 2,576,114, Nov. 27.
Magnet cutoff valve. R. V. Allen. 2,576,168, Nov. 27.
Magnetic control device. B. L. Binford. 2,576,561, Nov. 27.
Magnetron. C. W. Hansell. 2,576,599, Nov. 27.
Making hot mill tools. P. L. Daley and S. N. Lutz. 2,576,782, Nov. 27.
Margarine package. B. T. Hensgen. 2,576,834, Nov. 27.
Materials of high magnetic permeability. R. L. Harvey and H. W. Leverenz. 2,576,456, Nov. 27.
Mattress cover. E. M. Belden. 2,576,207, Nov. 27.
Measurement of Q of resonant electrical systems. R. W. Lange. 2,576,257, Nov. 27.
Measuring system, Level ratio. H. L. Barney. 2,576,249, Nov. 27.
Mechanical gang perforator. R. F. Mallina. 2,576,844, Nov. 27.
Mechanism and system for control through thyratrons. B. A. Knauth. 2,576,518, Nov. 27.
Mechanism for raising the harness frames of looms. F. N. and B. E. Towle. 2,576,428, Nov. 27.
Metal cover. B. Lermont. 2,576,613, Nov. 27.
Metal-sheathed insulating blanket and manufacture. G. R. Russum. 2,576,698, Nov. 27.
Meter: *See*—
Light meter.
Line measuring meter.
Uniformity meter.
Methods and materials for embalming jaundiced bodies. F. Grossi. 2,576,219, Nov. 27.
Micrometer, Combination. A. Kausti. 2,576,606, Nov. 27.
Mineral wool, Making. L. J. Minnick. 2,576,312, Nov. 27.
Minnow trap. J. B. Lewis. 2,576,524, Nov. 27.
Mixer. W. Horth. 2,576,180. Nov. 27.
Mixing and blending apparatus. S. H. Vasold. 2,576,733, Nov. 27.
Model railroad track, Cast metal. W. P. Faber. 2,576,828, Nov. 27.
Modulating valve. S. K. Taylor. 2,576,246, Nov. 27.
Moistening gun. J. A. Paasche. 2,576,534. Nov. 27.
Moisture injector for internal-combustion engine carburetors. S. Stanalis. 2,576,196, Nov. 27.
Molding and wrapping machine. H. Blanchette. 2,576,096, Nov. 27.
Monitor for fission gases. R. Livingston and H. A. Levy. 2,576,616, Nov. 27.
Mortising machine work holding attachment to drill press. H. V. Schwandt. 2,576,485, Nov. 27.
Motorcar service mechanism. R. D. Smith. 2,576,544, Nov. 27.
Motor vehicle actuated road speed checking apparatus. A. P. and O. P. Prather. 2,576,415, Nov. 27.
Mounting: *See*—
Eccentric crank pin mounting.
Gun telescope mounting.
Multispeed automatic transmission. E. J. Farkas. 2,576,336, Nov. 27.
Muntin and cross joint anchorage. W. P. Kessler. 2,576,840, Nov. 27.
N-dicyclohexyl, dialkylamino-alkanamides. J. W. Cusic. 2,576,106, Nov. 27.
N-methacroyl N'-(methyl-alanyl) methylene diamides. P. B. Dalton. 2,576,501, Nov. 27.
Necktie crease removing inserts. G. Aitto and V. Jarvi. 2,576,273, Nov. 27.
Nestsl bottle cap package. R. Sonnenberg. 2,576,650, Nov. 27.
Nickel-chromium-iron welding electrode. T. E. Kihlgren and J. S. Bryner. 2,576,123, Nov. 27.
Nitrogenous resins from ketone-aldehyde-nitrogenous base and phenol-aldehyde. G. K. Vogelsang. 2,576,735, Nov. 27.
Noncrystallizing rosin and preparing the same. J. C. Barthel. 2,576,094. Nov. 27.
Nonmetallic armored electrical submarine cable. L. H. Hutchins, Jr. 2,576,227, Nov. 27.
Nonslip garment clip. O. Lawrenz. 2,576,689, Nov. 27.

Novel method of treating products containing specific type AB substances. H. O. Singher and C. R. Harmson. 2,576,151, Nov. 27.
Nozzle support. C. Bachrach. 2,576,435, Nov. 27.
Obturator or valve. E. Mercier and M. Ehlinger. 2,576,848, Nov. 27.
Oil filter. C. J. Rood. 2,576,144, Nov. 27.
Oil seal. T. E. Nelson. 2,576,721, Nov. 27.
Oils and greases, Thickened. C. F. Irwin. 2,576,837, Nov. 27.
Opener, Surface mounted container. F. Menderman. 2,576,800, Nov. 27.
Operating mechanism for electric switches. R. H. Bentley. 2,576,771, Nov. 27.
Optical glass. N. J. Kreidl and G. F. Brewster. 2,576,521, Nov. 27.
Organic compositions, Stabilized. E. F. Hill and F. H. Baldwin. 2,576,458, Nov. 27.
Organic mercury compounds of xanthines and making same. W. Persch. 2,576,855, Nov. 27.
Organosilicon polyesters. J. L. Speier, Jr. 2,576,486, Nov. 27.
Orthopedic pad. B. Gratt. 2,576,455, Nov. 27.
Oven. L. Conner. 2,576,252, Nov. 27.
Oven unloader, Traveling. M. A. Sticelber. 2,576,369, Nov. 27.
Overrunning sprag type clutch. E. J. Farkas. 2,576,337, Nov. 27.
Oxyethylated hydrophile derivatives of certain fractional esters of triricinolein. M. De Groote and B. Keiser. 2,576,285, Nov. 27.
Oxygenated compounds, Production of. H. J. Hagemeyer, Jr. 2,576,113, Nov. 27.
Pad: *See*—
Orthopedic pad.
Paint heater. J. A. Bede. 2,576,558, Nov. 27.
Pallet, Shipping. J. A. Farrell. 2,576,715, Nov. 27.
Pamphlet identifying device. J. D. Dewey. 2,576,783, Nov. 27.
Pan greasing machine. D. J. Peeps. 2,576,638, Nov. 27.
Panel board. F. S. Green. 2,576,396, Nov. 27.
Panel construction. L. E. Medal. 2,576,530, Nov. 27.
Panel for use in photographing movie titles and the like. E. R. Clark. 2,576,573, Nov. 27.
Pantographic marking machine. B. W. Schabot. 2,576,699, Nov. 27.
Paper product, Laminated. J. N. Bode. 2,576,278, Nov. 27.
Partial esters of polybasic sulfide carboxylic acids and making same. O. Albrecht. 2,576,899, Nov. 27.
Partition base clip. W. G. Baum. 2,576,557, Nov. 27.
Parts: *See*—
Device for positioning parts.
Patch inserting tool. J. S. Morehead. 2,576,262, Nov. 27.
Penetrating wood-finishing composition. F. H. Lyons. 2,576,797, Nov. 27.
Permanent magnet and manufacture thereof. C. Guillaud. 2,576,679, Nov. 27.
Phenyltrichlorosilane, Production of. W. H. Daudt. 2,576,448, Nov. 27.
Picker for fly shuttle looms. G. M. Huguley. 2,576,790, Nov. 27.
Picture card, Envelope frame. S. Bly. 2,576,667, Nov. 27.
Pilot system, Radio controlled. F. L. Moseley. 2,576,135, Nov. 27.
Pin: *See*—
Safety pin.
Pipe: *See*—
Smoking pipe.
Pipe holding device. D. R. Moore. 2,576,803, Nov. 27.
Piston. W. M. Venner and P. L. Bowser, Jr. 2,576,655, Nov. 27.
Plastic bridgework, Making. F. J. Barth. 2,576,206, Nov. 27.
Plate blank handling means for embossing machines. W. T. Gollwitzer. 2,576,596, Nov. 27.
Plug: *See*—
Separable electric plug.
Spark plug.
Polycarboxylic acid products, Production of. R. J. Miller. 2,576,625, Nov. 27.
Polymerization of alkylolamides of the acrylic acid series. G. D. Jones. 2,576,839, Nov. 27.
Polymerization of liquid polymerizable organic compounds in elongated shapes. J. Boyko. 2,576,712, Nov. 27.
Polymerization of vinylcyclohexene. H. L. Johnson and A. P. Stuart. 2,576,515, Nov. 27.
Polymers of reaction products of alkyl amines and methylene-bis-methacrylamide. P. B. Dalton. 2,576,502, Nov. 27.
Porch and step railing, Knockdown. R. E. Tomb. 2,576,427, Nov. 27.
Portable tangent screen. R. I. Pritikin. 2,576,358, Nov. 27.
Posthole auger for power saws. A. E. McKinstry. 2,576,799, Nov. 27.
Post hole digger and earth remover, Combination. L. D. Vogel. 2,576,199, Nov. 27.
Postage stamp container. L. J. McElroy. 2,576,091, Nov. 27.
Powder gun. G. B. Mornik. 2,576,804, Nov. 27.
Power transmission, Fluid type variable-speed. L. A. Trofimov. 2,576,156, Nov. 27.
Preserving foodstuffs, Method and apparatus for. K. A. Smith and A. L. Grinnell. 2,576,862, Nov. 27.
Press: *See*—
Punch press.
Tilting head press.
Presser foot lifting attachment for sewing machines. L. C. Preston. 2,576,357, Nov. 27.
Pressure regulator. F. Brandstrom and N. N. Belaef. 2,576,443, Nov. 27.
Pressure regulator. W. H. Schmitt. 2,576,540, Nov. 27.
Pressure relief safety device. G. E. White. 2,576,431, Nov. 27.
Pressure relief valve. P. C. Jurs. 2,576,516–17, Nov. 27.
Printing mechanism for cash registers. J. H. Gruver. 2,576,598, Nov. 27.
Privacy latch. F. E. Best. 2,576,440, Nov. 27.
Producing light and resistant cellular bodies. P. J. Carpentier. 2,576,749, Nov. 27.
Producing sealed bags. W. A. Schoen. 2,576,542, Nov. 27.
Producing tunes and voices photoelectrically. E. M. Jones. 2,576,759, Nov. 27.
Producing wear resistant steel rails. F. Hofmann. 2,576,223, Nov. 27.
Propeller pitch control. T. B. Martin. 2,576,619, Nov. 27.
Protected ring gauge. W. M. Wochos, Jr. and R. F. Waindle. 2,576,377, Nov. 27.
Protective system for series capacitors. R. E. Marbury. 2,576,132, Nov. 27.
Protectively coating metal and the resulting coated product. A. McDonald. 2,576,845, Nov. 27.
Protector for electric circuits. C. L. McAllister. 2,576,405, Nov. 27.
Pulley block adapter device. D. J. Parmesan. 2,576,355, Nov. 27.
Pulse-discriminating system. A. V. Loughren. 2,576,617, Nov. 27.
Pulse shaping circuit. L. F. Wouters. 2,576,661, Nov. 27.
Pulverizing apparatus for food preparing machines, Ingredient. J. H. Knapp. 2,576,299, Nov. 27.
Pump: *See*—
Diaphragm pump.
Fuel injection pump.
Fuel pump.
Gasoline dispensing pump.
Liquid fuel pump.
Rotary piston pump.
Pump and gauge device, Combined. J. H. Krehbiel. 2,576,687, Nov. 27.
Pump for combustion engines, Fuel injection. G. Pielstick. 2,576,263, Nov. 27.
Punch, Milk can. C. E. Engle. 2,576,505, Nov. 27.
Punch press. W. L. Allison. 2,576,328. Nov. 27.
Puncturing and pouring device for sealed container, with spout and vent. O. W. Partain. 2,576,889, Nov. 27.
Purification of coke oven benzene. J. R. Anderson. 2,576,092, Nov. 27.
Push bar assembly. D. N. Jewett. 2,576,511, Nov. 27.
Pyranthrone dye compositions and dyeing. J. M. Mecco. 2,576,847. Nov. 27.
Pyrometer. H. R. Blanco, A. H. Wilson, and R. A. Giles. 2,576,514, Nov. 27.
Quick release attachment for vise grip pliers. M. Eisenberg. 2,576,286, Nov. 27.
Rack and gear actuated clamp. A. Simonsen. 2,576,420, Nov. 27.
Radiator installation for motor vehicles. M. Toth. 2,576,316, Nov. 27.
Radiator lift. W. R. Williams. 2,576,660, Nov. 27.
Railway truck bolster-car bolster connection. B. Spearman. 2,576,367, Nov. 27.
Rapid load testing machine. D. S. Wood. 2,576,433, Nov. 27.
Rapid scanning system. J. Ruze and O. C. Woodyard. 2,576,146, Nov. 27.
Razor, Magazine type safety. J. A. Gabriel. 2,576,588, Nov. 27.
Receptacle: *See*—
Wall receptacle.
Reconditioning paper surfaces. J. Vlad and J. R. Fisher, Jr. 2,576,320, Nov. 27.
Record changer, Automatic. A. V. Lapish. 2,576,125, Nov. 27.
Recorder, Sound. G. P. Brubaker. 2,576,250, Nov. 27.
Recording and indicating system. B. B. Gauld. 2,576,395, Nov. 27.
Recovery of vanadium values from an alkali metal vanadate solution. S. S. Cole and J. S. Breitenstein. 2,576,445, Nov. 27.
Recovery of vanadium values from waste liquors. F. L. Kingsbury and F. J. Schultz. 2,576,462, Nov. 27.
Reducing and hydrogenating chemical compounds by reacting with aluminum-containing hydrides. H. I. Schlesinger and A. E. Finholt. 2,576,311, Nov. 27.
Reel: *See*—
Electric cord adjusting reel.
Fire escape life reel.
Fishing reel.
Reflecting fabric. E. L. Hudspeth and J. P. Nash. 2,576,255, Nov. 27.
Refrigerating system, Two-temperature. L. W. Atchison. 2,576,663, Nov. 27.
Register. T. F. Callahan and F. G. White. 2,576,102, Nov. 27.

Regulating system utilizing a nonlinear resonant current limiter. D. J. Sikorra. 2,576,647, Nov. 27.
Regulating system utilizing a nonlinear resonant network. D. J. Sikorra. 2,576,646, Nov. 27.
Regulator: *See*—
Pressure regulator.
Releasing device for mirror reflex adapters for photographic cameras. J. Waggin. 2,576,494, Nov. 27.
Remedial foot support. A. Woodthorpe. 2,576,247, Nov. 27.
Removal of iron from a cracking catalyst. C. L. Thomas. 2,576,653, Nov. 27.
Removing halogen from a halophenol. R. B. Thompson. 2,576,161, Nov. 27.
Renewable drip ring and closure seat for concrete mixers. R. M. Henderson. 2,576,457, Nov. 27.
Reservoir and tank arrangement for hydraulic presses. W. Ernst. 2,576,584, Nov. 27.
Restricter. T. W. Kunzog. 2,576,610, Nov. 27.
Reversible gel composition comprising polyvinyl alcohol and preparation. C. E. Barnes and W. O. Ney, Jr. 2,576,820, Nov. 27.
Rod holder. J. Z. Miller. 2,576,624, Nov. 27.
Roll for corn pickers. H. D. Flora. 2,576,292, Nov. 27.
Roof planer, Power-operated. R. A. Knudson and J. H. Stoker. 2,576,607, Nov. 27.
Roof rail. J. N. Walters. 2,576,657, Nov. 27.
Rotary drilling rig. F. J. Young. 2,576,872, Nov. 27.
Rotary piston pump. W. B. Esley. 2,576,175, Nov. 27.
Ruler, Temple. J. E. Williams, Jr. 2,576,659, Nov. 27.
Safe construction. R. W. Ledbetter. 2,576,232, Nov. 27.
Safety control system for heat appliances. D. F. Drow. 2,576,675, Nov. 27.
Safety pin. J. L. de Lyra. 2,576,449, Nov. 27.
Sash frame. C. M. Kinghorn. 2,576,348, Nov. 27.
Saw gauge. L. C. Hammond. 2,576,340, Nov. 27.
Sawing attachment for portable electric drills. J. O. Krause. 2,576,090, Nov. 27.
Scaffolding connection. A. Howie. 2,576,400, Nov. 27.
Scale for determining mass distributions, Weighing. W. G. Martin. 2,576,468, Nov. 27.
Scooter starter unit. F. A. Elliott. 2,576,582, Nov. 27.
Screen: *See*—
Portable tangent screen.
Screw driver, Screw holding. R. E. Gearhart. 2,576,454, Nov. 27.
Screw driver, Screw holding. J. Wolny. 2,576,742, Nov. 27.
Screw machine. X. F. Castelli. 2,576,570, Nov. 27.
Sealing end closures to containers. R. S. Condon. 2,576,446, Nov. 27.
Searchlight. J. Bergmans and D. Vermeulen. 2,576,875, Nov. 27.
Seat: *See*—
Adjustable vehicle seat.
Seat construction, Automobile. T. L. Hibbard and S. J. Galla. 2,576,343, Nov. 27.
Securing a fastening element in concrete. C. W. Meyers. 2,576,473, Nov. 27.
Seeder attachment. J. Greaves. 2,576,756, Nov. 27.
Seismometer system. F. D. Case. 2,576,775, Nov. 27.
Selective calling system. C. J. Dorr. 2,576,216, Nov. 27.
Self-locking screw-threaded element. W. C. Beach. 2,576,438, Nov. 27.
Self-quench superregenerative arrangement. D. Richman. 2,576,642, Nov. 27.
Self-sealing cap having relatively axially slidable tubular members. R. R. Hren. 2,576,509, Nov. 27.
Selvage loop forming device. D. E. Houghton. 2,576,789, Nov. 27.
Semiesters of unsaturated dicarboxylic acids. O. Albrecht. 2,576,898, Nov. 27.
Separable electric plug. M. A. Denine. 2,576,174, Nov. 27.
Separating hydrocarbon fractions containing aromatics. M. R. Lipkin. 2,576,525, Nov. 27.
Separating shale cuttings from drilling mud containing plastering agents. P. E. Chaney. 2,576,283, Nov. 27.
Separator. R. H. Shenk. 2,576,645, Nov. 27.
Shaft keying and locking construction. J. S. Kessler. 2,576,298, Nov. 27.
Sheet delivery and assembly apparatus. P. G. Stimson and J. T. Davidson. 2,576,152, Nov. 27.
Sheet handling mechanism for bed and cylinder printing machines. F. Spence. 2,576,421, Nov. 27.
Sheet material conveying and supporting means. V. A. Fox. 2,576,218, Nov. 27.
Sheet pallet stacker. G. W. Rydner. 2,576,482, Nov. 27.
Shipping container. B. C. Coft, Jr. 2,576,671, Nov. 27.
Shock absorber. C. J. Werner. 2,576,658, Nov. 27.
Shock absorbing mechanism for railway draft riggings. V. S. Danielson. 2,576,214, Nov. 27.
Shock and vibration insulator. F. L. Yerzley. 2,576,271, Nov. 27.
Sifter having agitator bodies. J. F. Barnes. 2,576,746, Nov. 27.
Signal for railroads, Light. E. W. Moore. 2,576,849, Nov. 27.
Silo unloading device with means to dislodge silage for ready discharge. W. G. Martin. 2,576,620, Nov. 27.
Single or offset contact type micrometer gauge. E. S. Rinaldy. 2,576,142, Nov. 27.
Single side-band signal generator. O. G. Villard, Jr. 2,576,429, Nov. 27.
Siren, Electronic. W. Fleming. 2,576,585, Nov. 27.
Skull clamp. M. W. Silnd. 2,576,649, Nov. 27.
Smoking pipe. R. J. Lemp. 2,576,796, Nov. 27.
Snap-on perforated shaker disk for condiment container and closure cap over said disk. E. A. Randlett. 2,576,416, Nov. 27.
Snow and ice melting machine. A. Fiduccia. 2,576,829, Nov. 27.
Socket for series lamps and string thereof. C. M. Rively and H. W. Rimbach. 2,576,363, Nov. 27.
Solubilizing titaniferous materials. F. J. Schultz. 2,576,483, Nov. 27.
Solvent fractionation. W. M. Leaders and F. E. Lacey. 2,576,841, Nov. 27.
Sonic spray drying. C. B. Horsley and H. W. Danser, Jr. 2,576,297, Nov. 27.
Spark plug. M. J. Marty and G. H. Muller. 2,576,469, Nov. 27.
Spark plug and ignition system tester. G. R. Feaster. 2,576,109, Nov. 27.
Spark plug assembly. E. D. Faatz. 2,576,176, Nov. 27.
Spectacle frame made of tubular metallic stock. R. T. Cook. 2,576,778, Nov. 27.
Spectacles, Polyfocal. B. F. Edwards. 2,576,581, Nov. 27.
Spindle, Double twist. C. B. Kingsbury. 2,576,124, Nov. 27.
Split wing nut. F. Roerig. 2,576,643, Nov. 27.
Spooled film developer box. H. von Stwolinski. 2,576,493, Nov. 27.
Spoon, Child's. R. S. Claflin. 2,576,388, Nov. 27.
Spray drying apparatus. S. T. Coulter, R. E. Montonna, and A. S. Kitzes. 2,576,264, Nov. 27.
Sprayer, Rotary valve. G. H. Bramhall. 2,576,669, Nov. 27.
Sprayer, Windshield. F. E. Stuart. 2,576,198, Nov. 27.
Spraying machine, Portable. W. J. McCarter. 2,576,133, Nov. 27.
Spring base for seats. R. A. Nowell. 2,576,806, Nov. 27.
Spring chucking device. J. Mazzola. 2,576,350, Nov. 27.
Spring liner assembly. N. E. Shockey. 2,576,729, Nov. 27.
Stairway with movable handrail. R. W. Babson. 2,576,556, Nov. 27.
Staple fiber cutter. E. K. Bauer. 2,576,170, Nov. 27.
Starting relay control for single-phase motors. C. I. Hall. 2,576,681, Nov. 27.
Steel for tools operating at elevated temperatures. H. Krainer. 2,576,229, Nov. 27.
Step ladder, Extendable. J. M. Biegen. 2,576,277, Nov. 27.
Storage compartment for automobiles, Extensible. R. L. Bigsby. 2,576,385, Nov. 27.
Storage of electrical impulses. F. H. Bray and D. S. Ridler 2,576,098, Nov. 27.
Storm window hanger. P. L. Adams, W. A. Norman, and C. K. Sitterly. 2,576,662, Nov. 27.
Storm window, Metal. P. E. Metts. 2,576,260, Nov. 27.
Strainer. J. Derck. 2,576,332, Nov. 27.
Strainer cleaner. O. W. May. 2,576,470, Nov. 27.
Stripping device for conveyers. J. F. Naylor. 2,576,633, Nov. 27.
Submarine compressional wave receptive apparatus. H. M. Trent. 2,576,155, Nov. 27.
Submersible type insulated connector. J. Rogoff. 2,576,537, Nov. 27.
Suction cleaner. L. E. Segesman. 2,576,726, Nov. 27.
Suction cleaner filter. D. C. Gerber. 2,576,717, Nov. 27.
Sulfite esters, Production of. A. Pechukas. 2,576,138, Nov. 27.
Support: *See*—
Adjustable meter support. Remedial foot support.
Nozzle support. Yarn package support.
Support. V. I. Zelov. 2,576,873, Nov. 27.
Support assembly for seat beds. J. A. Freemon, H. Weatherford, Jr., and R. F. Wilson. 2,576,677, Nov. 27.
Support for a seal for a floating roof. F. D. Moyer. 2,576,136, Nov. 27.
Support for bus bars in a duct system of distribution. E. T. Carlson. 2,576,774, Nov. 27.
Support for clotheslines. J. B. Niles. 2,576,805, Nov. 27.
Switch. H. A. Hilsinger, Jr. 2,576,836, Nov. 27.
Switch for automatic telephone installations, Crossbar. J. J. Donkelaar and G. B. Knos. 2,576,785, Nov. 27.
Switch operating mechanism, Electric. A. J. Kreiner. 2,576,609, Nov. 27.
Switching device, Remote. R. E. Moore. 2,576,410, Nov. 27.
Switching mechanism, Electrical. L. W. Imm. 2,576,903, Nov. 27.
Switching system, Electrical. J. H. Newitt. 2,576,137, Nov. 27.
Swivel joint. K. A. Blewett. 2,576,563, Nov. 27.
Synthesis of organic compounds. L. C. Rubin. 2,576,858, Nov. 27.
Synthesis of vitamin A active compounds containing repeated isoprene units. J. D. Cawley, C. D. Robeson, E. M. Shantz, L. Weisler, and J. G. Baxter. 2,576,103, Nov. 27.
Syringe. E. Sokolik. 2,576,766, Nov. 27.
System for preventing transients in photoelectric musical instruments. E. M. Jones. 2,576,758, Nov. 27.
System for the production and use of electric oscillations for control purposes. E. M. Jones and G. F. Williamson. 2,576,760, Nov. 27.

Table: *See*—
Embalming table.
Table with pivoted drop leaf and folding base, Pedestal. H. E. English. 2,576,287, Nov. 27.
Tag notching machine. A. R. Bone. 2,576,211, Nov. 27.
Tail stock. A. Bassoff. 2,576,498, Nov. 27.
Tank: *See*—
Fuel tank. Hot-water tank.
Tank marker, Liquid. C. C. Criss. 2,576,577, Nov. 27.
Tape, Adhesive. M. L. Schechtman. 2,576,148, Nov. 27.
Tape rewinding device and method. M. B. Andrews. 2,576,710, Nov. 27.
Telephone selective switching system, Automatic. F. H. Bray, L. R. Brown, and D. S. Ridler. 2,576,097, Nov. 27.
Telephone set supports, Head. J. F. Dalton. 2,576,447, Nov. 27.
Telephoto type objective lens. J. G. Baker. 2,576,436, Nov. 27.
Telescoping tower. P. B. Craighead and G. H. Nelson. 2,576,389, Nov. 27.
Terminal for wristbands for watches. F. Jaccarino and A. Pinson. 2,576,684, Nov. 27.
Testing apparatus. L. Stanton. 2,576,892, Nov. 27.
Testing for the presence of brine in wells. F. R. Holland. 2,576,718, Nov. 27.
Thread-rolling appliance. T. K. Affeck. 2,576,709, Nov. 27.
Tilting head press. E. B. Sutherland. 2,576,547, Nov. 27.
Tire and wheel jack. D. F. Miner. 2,576,627, Nov. 27.
Tire chain applying clip. C. B. Lutz. 2,576,302, Nov. 27.
Tissue embedding apparatus. J. Tannenberg. 2,576,153, Nov. 27.
Titanium pigments, Manufacture of. R. W. Ancrum. 2,576,434, Nov. 27.
Tool: *See*—
Automatic transfer machine tool. Machine tool.
Patch inserting tool.
Tool kit, Automobile. B. T. Wright. 2,576,327, Nov. 27.
Toothbrush and dentifrice pack. J. F. Waters. 2,576,551, Nov. 27.
Toy chain. N. Beck and W. Borcovec. 2,576,439, Nov. 27.
Toy gun, Repeating rubber band. L. D. Wright and T. C. Swope. 2,576,248, Nov. 27.
Toy, Racehorse. A. E. Dennis. 2,576,674, Nov. 27.
Traction attachment for vehicle wheels. R. E. Wolf. 2,576,868, Nov. 27.
Trailer brake and equalization system. L. J. Hughes. 2,576,460, Nov. 27.
Trailer hitch, Removable. A. W. Kammerer. 2,576,461, Nov. 27.
Transfer mechanism. M. M. Kipfer. 2,576,402, Nov. 27.
Transmission arrangement. G. Schulze. 2,576,484, Nov. 27.
Transparent, colorless, color-stable resins of haloacrylic compounds. C. E. Barnes. 2,576,821, Nov. 27.
Trap: *See*—
Minnow trap.
Trash cutting attachment for breaking plows. R. R. Cauble. 2,576,500, Nov. 27.
Tray sleve, Demountable. W. R. Jost and E. W. Hilscher. 2,576,794, Nov. 27.
Treating olefins with alkane sulfonic acid. W. A. Proell. 2,576,535, Nov. 27.
Treating plastic materials such as rubber. J. C. Clinefelter. 2,576,444, Nov. 27.
Treatment of corn steep liquor for streptomycin production. R. E. Bennett. 2,576,513, Nov. 27.
Treatment of vanadium and uranium ores. B. Burwell. 2,576,101, Nov. 27.
Tree eradicator and subsoiler. L. A. Rath. 2,576,361, Nov. 27.
Trisazo dyestuffs. W. Anderau. 2,576,768, Nov. 27.
Trouser and skirt hanger. H. C. Ehmke. 2,576,089, Nov. 27.
Truck, Straddle lift. R. W. Jacob. 2,576,345, Nov. 27.
Twist drill. P. B. Berlien. 2,576,664, Nov. 27.
Uniformity meter. E. J. Bernet and E. C. Hutter. 2,576,772, Nov. 27.
Unit: *See*—
Brush and scraper unit.
Universal joint with wide angle of oscillation. W. A. Flumerfelt. 2,576,830, Nov. 27.
Ureides, Preparation of. D. E. Adelson. 2,576,895, Nov. 27.
Valve: *See*—
Axially adjustable rotary valve. Magnet cutoff valve.
Modulating valve.
Back-pressure relief valve. Pressure relief valve.
Check valve.
Valve construction. C. A. Glauque. 2,576,592, Nov. 27.
Valve controlling device, Thermostatic. J. E. Golob. 2,576,877, Nov. 27.
Valve for applying air brakes, Automatic. R. J. Adams. 2,576,382, Nov. 27.
Valve for shock absorbers. W. G. Patriquin. 2,576,637, Nov. 27.
Valve mechanism. W. P. Dalrymple. 2,576,578, Nov. 27.
Valve operator, Fire hydrant. R. H. Mueller and E. E. Cline. 2,576,631, Nov. 27.
Vanadium containing briquettes. A. Linz. 2,576,763, Nov. 27.
Vanillin, Producing. J. H. Fisher and H. B. Marshall. 2,576,752–3, Nov. 27.
Vanillin, Producing. J. H. Fisher and C. A. Sankey. 2,576,754, Nov. 27.
Vanity box. G. M. Thompson. 2,576,730, Nov. 27.
Vaporizer, Electric. R. R. Fisher. 2,576,110, Nov. 27.
Variable band width circuit. P. R. Bell, Jr. 2,576,329, Nov. 27.
Variable rate sweep voltage generator. J. W. Gray. 2,576,339, Nov. 27.
Vehicle: *See*—
Animated toy vehicle. Wicket driving vehicle.
Vehicle for babies, Folding. A. E. Peterson. 2,576,356, Nov. 27.
Vehicle heating system. S. E. Heymann. 2,576,757, Nov. 27.
Vehicle roof construction. J. Oswald. 2,576,354, Nov. 27.
Vehicle with counterbanking superstructure on turns. J. Kolbe. 2,576,686, Nov. 27.
Velocity modulation electron discharge device. W. J. Scott. 2,576,702, Nov. 27.
Venetian blind part. B. Walker. 2,576,159–60, Nov. 27.
Venting attachment for gasoline tank filling necks. W. Poznik. 2,576,192, Nov. 27.
Vessel, Fluid storage. L. P. Zick. 2,576,167, Nov. 27.
Vibration damping and sealing means for air ducts. E. Shapiro. 2,576,860, Nov. 27.
Vine cutting and windrowing attachment. M. D. McCoy. 2,576,886, Nov. 27.
Vise and drill guide for watchmakers, Combination. T. Michael. 2,576,801, Nov. 27.
Voltage stabilizing system and tube. S. C. Brown. 2,576,100, Nov. 27.
Volume expansion system for audio and like amplifiers. E. P. Rudkin. 2,576,145, Nov. 27.
Volumetric fluid measuring. L. F. Jones. 2,576,512, Nov. 27.
Wall receptacle. N. A. Matter. 2,576,303, Nov. 27.
Watch band terminal. A. Pinson. 2,576,695, Nov. 27.
Watch mounted article. A. Peter and J. Kalnen. 2,576,476, Nov. 27.
Water-soluble sulfur-containing organic mercury compounds having diuretic properties and preparing same. R. A. Lehman. 2,576,349, Nov. 27.
Wattmeter for wave guides, Microwave. R. A. Howard. 2,576,344, Nov. 27.
Wave-signal responder system. H. Wood. 2,576,495, Nov. 27.
Wave signaling system. A. Tykulsky. 2,576,157, Nov. 27.
Web registration device. H. F. McKenney and W. H. Newell. 2,576,529, Nov. 27.
Weedless bait. D. Nudell. 2,576,532, Nov. 27.
Weighing machine, Automatic. O. G. Mosher. 2,576,411, Nov. 27.
Welding titanium and other metal. J. F. Jordan. 2,576,793, Nov. 27.
Welt seam. E. A. Wirt. 2,576,324, Nov. 27.
Wheel: *See*—
Ferris wheel.
Wheel. C. L. Watkins. 2,576,736, Nov. 27.
Wheel assembly, Dual. W. M. Marsh. 2,576,258, Nov. 27.
Wheel chair. J. A. Padjen. 2,576,413, Nov. 27.
Wheel construction. M. D. Walklet. 2,576,270, Nov. 27.
Wheel cover. G. A. Lyon. 2,576,130, Nov. 27.
Wheel suspension for trailers. E. L. Bush. 2,576,824, Nov. 27.
Wicket driving vehicle. D. H. Lukens. 2,576,467, Nov. 27.
Windbreak. M. Bentley. 2,576,384, Nov. 27.
Windshield cleaner. A. Rappl. 2,576,809, Nov. 27.
Window. W. C. Miller. 2,576,626, Nov. 27.
Window construction. G. T. Clements. 2,576,777, Nov. 27.
Window construction. W. H. Rundquist. 2,576,539, Nov. 27.
Window operator, Casement. S. C. Reynaud. 2,576,536, Nov. 27.
Work locating and driving mechanism. D. D. Austin, Sr., and K. J. Davis. 2,576,497, Nov. 27.
Wrench: *See*—
Impact wrench.
Wrench with linked gripping means, Pipe. A. B. Wilson. 2,576,203, Nov. 27.
Yarn package support. W. Fletcher. 2,576,254, Nov. 27.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 27, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

1— 1: 2,576,473
10: 2,576,641
2— 80: 2,576,812
185: 2,576,690
4— 176: 2,576,623
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5— 34: 2,576,677
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10: 2,576,793
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Condition of Applications Under Examination at Close of Business Nov. 9, 1951

Total number of patent applications awaiting action, 105,870. Date of oldest new application, December 20, 1950; date of oldest amended application, December 20, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	1-4-51	1-5-51	2,255
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	3-28-51	3-23-51	1,131
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-19-51	3-9-51	1,547
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	1-23-51	1-19-51	1,990
5. ROBINSON, C. W., Harvesters; Knotters: Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-2-51	4-2-51	1,035
6. SURLE, H., Carbon Chemistry (part)	3-11-51	3-1-51	1,937
7. GONSALVES, J. E., Optics; Photography (part)	3-12-51	3-14-51	1,305
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-2-51	2-1-51	1,818
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	1-31-51	1-29-51	1,551
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-27-51	1-22-51	1,188
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	2-10-51	2-6-51	1,002
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-20-51	2-16-51	1,052
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	1-25-51	1-22-51	1,222
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	1-23-51	1-25-51	1,620
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-2-51	3-12-51	1,277
16. LOVEWELL, N. N., Television, Telephony	1-11-51	1-10-51	1,317
17. LEIGHEY, R. A., Paper Manufactures; Typewriters: Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	1-10-51	1-10-51	1,647
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-10-51	1-10-51	1,562
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	1-12-51	1-12-51	1,156
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	1-27-51	1-18-51	1,463
21. MADER, R. C., Textiles	1-3-51	1-5-51	1,503
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	1-18-51	1-19-51	1,238
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-8-51	1-4-51	825
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-20-51	3-15-51	1,639
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-9-51	2-10-51	1,382
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-11-51	1-16-51	1,209
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	12-20-50	12-20-50	2,146
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	1-23-51	1-22-51	1,529
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-12-51	1-13-51	1,535
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	3-10-51	3-14-51	1,564
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-5-51	2-23-51	1,964
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	2-2-51	1-25-51	1,314
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	2-24-51	2-6-51	2,197
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	2-15-51	2-9-51	1,274
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	1-6-51	1-8-51	1,669
36. McFADYEN, A. D., Measuring and Testing	1-6-51	1-10-51	1,371
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	3-7-51	3-2-51	1,247
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	2-23-51	2-1-51	1,354
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	3-10-51	3-10-51	2,081
40. DRUMMOND, E. J., Receptacles (part); Packages	2-1-51	2-1-51	2,593
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-8-51	1-8-51	1,226

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,870. Date of oldest new application, December 20, 1950; date of oldest amended application, December 20, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	1-11-51	1-17-51	1,390
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	3-27-51	3-15-51	1,066
44. HARVEY, L. P., Beds; Chairs, Seats	1-24-51	1-10-51	1,499
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	1-8-51	1-4-51	1,611
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	2-10-51	2-6-51	984
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	1-16-51	2-3-51	1,459
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	1-17-51	1-12-51	1,453
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	1-20-51	1-15-51	1,676
50. LEVIN, S., Synthetic Resins	5-12-51	4-25-51	1,490
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	1-15-51	1-12-51	1,081
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	1-16-51	1-16-51	2,329
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	2-26-51	2-20-51	1,136
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-2-51	1-16-51	1,653
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	3-10-51	3-13-51	1,125
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	3-2-51	3-3-51	1,677
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	2-23-51	2-21-51	1,788
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	1-11-51	1-13-51	1,218
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	2-19-51	2-7-51	1,294
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	2-1-51	1-30-51	1,121
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	1-25-51	1-25-51	1,458
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	2-7-51	1-26-51	1,447
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	3-1-51	3-3-51	1,737
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	4-5-51	4-3-51	1,784
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-19-51	2-12-51	1,508
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	1-10-51	1-12-51	1,182
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	2-14-51	2-13-51	1,324
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	1-30-51	1-20-51	1,752
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	1-17-51	1-17-51	1,379
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	1-16-51	1-16-51	1,640
DESIGNS: A. BREHM, G. L., Industrial Arts	6-11-51	6-9-51	932
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	6-13-51	6-6-51	742

Total number of trade-mark applications awaiting action (including renewals and republications), 16,492. Date of oldest new application, April 12, 1951; date of oldest amended application, April 11, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	4-12-51	4-12-51	5,162
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	9-19-51	9-19-51	3,266
Renewals (All Classes)	8-31-51	10-4-51	595
Republications (All Classes)	9-19-51	10-4-51	284
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	4-18-51	4-11-51	3,954
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	5-1-51	1-3-51	3,231

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,821,032, J. Robinson, Wave-signaling system; 1,821,033, same, Radio receiving apparatus; 1,898,895, same, Electrical apparatus employing piezo-electric devices; 1,908,558, same, Wireless receiver, D. C., S. D. N. Y., Doc. 68/339, *British Radiostat Corp., Ltd.* v. *Philips Export Corp.* Dismissed Oct. 8, 1951. Same, filed Aug. 10, 1951, D. C. Mass., Doc. 51/748, *British Radiostat Corp., Ltd.* v. *National Co., Inc.*

1,821,033. (See 1,821,032.) 1,898,895. (See 1,821,032.)

1,908,558. (See 1,821,032.) 2,028,759. (See 2,036,261.)

2,036,261, C. F. Dinley, Apparatus for treatment with solvents; 2,028,759, same, Treatment with solvents, amended complaint filed Aug. 29, 1951, D. C., S. D. N. Y., Doc. 63/194, *Detrex Corp.* v. *Randall Mfg. Co., Inc.*

2,309,952, 2,435,729, Harris & Whann, Race starting gate; Re. 22,203, Bosio & Puett, same, case dismissed by order of court Feb. 16, 1950, as to 2,309,952 and 2,435,729, D. C. Ariz. (Phoenix), Doc. 1247, *Puett Electrical Starting Gate Corp.* v. *Ingleside Turf Club, Inc., et al.* Consent decree for plaintiff, dismissing case as to Ingleside Turf Club, Inc., J. W. Patterson, F. A. Ohlinger, and L. S. Davis; Re. 22,203 held valid and infringed, order dismissed as to H. J. Gran, case pending only as to H. C. Puett (notice Sept. 26, 1951).

2,384,806, 2,549,361, E. Berdach, Undergarment, D. C., S. D. N. Y., Doc. 66/208, *Lily of France, Inc., et al.* v. *Q. T. Foundations Co., Inc.* Consent judgment holding infringement, injunction (notice Oct. 17, 1951).

2,435,729. (See 2,309,952.)

2,509,972. (See Des. 158,041.)

2,512,995. (See Des. 158,041.)

2,516,774. (See Des. 158,041.)

2,540,095. (See Des. 158,552.)

2,541,637. (See Des. 158,552.)

2,549,361. (See 2,384,806.)

Re. 22,203. (See 2,309,952.)

Des. 157,299, Des. 157,300, G. C. Tait, Stocking, D. C., E. D. Pa. (Philadelphia), Doc. 12039, *Millway Knitting Mill, Inc., et al.* v. *Strong-Wear Hosiery Co.* Consent decree granting injunction Oct. 18, 1951.

Des. 157,300. (See Des. 157,299.)

Des. 157,621, R. M. Palmer, Chocolate rabbit; Des. 161,521, same, Chocolate duck; Des. 161,865, same, Chocolate squirrel, filed Oct. 24, 1951, D. C., E. D. N. Y. (Brooklyn), Doc. 12216, *R. M. Palmer Co.* v. *Creston Confectionery Co., Inc.*

Des. 158,041, J. Berger, Stroller; Des. 158,069, L. Gottfried, Combined high chair and table; 2,509,972, same, Chair and base therefor; 2,512,995, J. Berger, Stroller having removable chair; 2,516,774, L. Gottfried, Convertible high chair, filed Nov. 6, 1950, D. C. Mass. (Boston), Doc. 50/875, *The Stroll-O-Chair Corp.* v. *Worcester Chrome Furniture Mfg. Co., et al.*

Des. 158,069. (See Des. 158,041.)

Des. 158,552, E. Buehler, Combined wall bracket and vaporizer casing; 2,540,095, same, Vapor dispenser; 2,541,637, Christopher & Spear, Method of vaporizing lindane in ventilated rooms, filed Oct. 26, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12884, *Cardinal Chemical Corp.* v. *American Aerovap, Inc., et al.*

Des. 161,521. (See Des. 157,621.)

Des. 161,865. (See Des. 157,621.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 258,643, T. M. 284,713, Societe Anonyme Jean Patou, Perfumes, etc., filed Oct. 24, 1951, D. C., S. D. N. Y., Doc. 70/248, *Jean Patou, Inc.* v. *D'Orsay Sales Co.*

T. M. 273,655, Columbia Radio Corp., Radio receiving sets, etc.; T. M. 405,192, Continental Radio & Television Corp., Electric refrigerators; T. M. 407,816, Admiral Corp., Radio receiving cabinets, etc.; T. M. 409,912, same, Radio receiving sets; T. M. 412,039, same, Electric stoves; T. M. 440,438, same, Phonograph needles, filed Oct. 22, 1951, D. C., W. D. N. Y. (Buffalo), Doc. 5036, *Admiral Corp.* v. *Penco, Inc.*

T. M. 284,713. (See T. M. 258,643.)

T. M. 301,852, N. Levin, Ginger ale; T. M. 524,855, Sweetie Beverages, Inc., Maltless soft drinks and Carbonated waters, D. C. N. J. (Camden), Doc. 490/51, *Sweetie Beverages, Inc.* v. *Marxell Beverages.* Consent decree for injunction Oct. 18, 1951.

T. M. 405,192. (See T. M. 273,655.)

T. M. 407,816. (See T. M. 273,655.)

T. M. 409,912. (See T. M. 273,655.)

T. M. 412,039. (See T. M. 273,655.)

T. M. 440,438. (See T. M. 273,655.)

T. M. 524,855. (See T. M. 301,852.)

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NOTICES

Extension of Patents Granted

Patent No. 2,335,697. PHOTOGRAPHIC APPARATUS. Granted Nov. 30, 1943. James A. Reyniers. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 328 days from the expiration of the original term thereof.

Patent No. 2,369,980. FILM FEEDING DEVICE. Granted Feb. 20, 1945. James A. Reyniers. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 292 days from the expiration of the original term thereof.

Patent No. 2,369,981. MICROPHOTO APPARATUS. Granted Feb. 20, 1945. James A. Reyniers. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 292 days from the expiration of the original term thereof.

Patent No. 2,197,160. COMPARTMENT COOPS. Granted Apr. 16, 1940. Harry R. Schuppner. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 173 days from the expiration of the original term thereof.

Patent No. 1,883,657. SAUSAGE CASINGS AND PROCESS OF MAKING SAME. Granted Oct. 18, 1934. Ralph Ettlinger. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 199 days from the expiration of the original term thereof.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,479,926, C. K. Gravley, Electrotransducer and method of making same, decided Aug. 24, 1951, claim 1.

Pat. 2,493,307, R. D Moore and R. W. Bordewieck, Electric circuit for automobile lighting systems, decided Aug. 20, 1951, claim 1.

Pat. 2,493,307, R. D. Moore and R. W. Bordewieck, Electric circuit for automobile lighting systems, decided Aug. 21, 1951, claim 6.

Pat. 2,502,360, S. B. Williams, Electronic computer, decided Oct. 24, 1951, claims 4 and 5.

Erratum

All references to Design Patent No. 165,069 to Lewis W. Hamlin, for Foundation Ventilator Grill, appearing in the OFFICIAL GAZETTE of November 6, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

Disclaimer

2,469,782.—*Harry W. Phair*, Lyndhurst, N. J. UNIVERSAL GYROSCOPE-SUSPENSION SYSTEM. Patent dated May 10, 1949. Disclaimer filed Oct. 22, 1951, by the inventor, the assignee, *Fairchild Camera and Instrument Corporation*, assenting.

Hereby enters this disclaimer to claims 1, 3, and 4 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,556,683. Fishing Lure. Patented June 12, 1951. Fish lure of the bubble-forming type has a hollow body simulating a minnow, with flexible side fins, and flexible tail pieces which substantially conceal a pair of hooks. The body has a water inlet in the under side and an air outlet in the nose so that water will enter the body and force air bubbles through the outlet. The head has an open mouth and gill slots enabling water to enter the mouth and flow out through the gill slots to flex the side fins. (Owner) Henry P. Deitz, 5807 Maryhurst Drive, West Hyattsville, Md. Groups 33—73; 39—49. Reg. No. 45,398.

Pat. 2,555,356. Method for the Preparation of Inulin. Patented June 5, 1951. A relatively simple method is claimed for obtaining inulin of high purity from the tuberous roots of Jerusalem artichokes and similar plants for food or medicinal use. Process is based on the difference in the solubility of inulin from that of other constituents of the tuber, and control of specified temperatures. The juice pressed from roots is centrifuged, cooled at zero temperature for a period of time, diluted with ice water, centrifuged, and adjusted to pH7. The resultant slurry is mixed with ice water, recentrifuged, neutralized, heated to 80°-90° C., and again centrifuged, until a white inulin paste is formed. (Owner) John F. Marchand. Correspondence to Joseph F. Padlon, 120 Broadway, New York 5, N. Y. Groups 20—94; 28—31. Reg. No. 45,399.

Pat. 2,504,795. Electrical Manicure File for Nails. Patented Apr. 18, 1950. Electrical nail file has casing to fit hand of user and an oscillatory member extending therefrom reciprocated by an electromagnetic vibratory mechanism. An abrading surface of thin resilient material is removably secured to a head pivoted to the oscillatory member. Abrading surface has notched tongue to engage an attachment screw. Tongue provides a spring action between head and oscillatory member and permits abrading surface to yieldingly engage nail as it is being filed. (Owner) Angelo Biasi, R. D. 1, Hazleton, Pa. Groups 33—51; 36—21; 39—91. Reg. No. 45,400.

Pat. 2,545,947. Artificial Pneumatic Hand. Patented Mar. 20, 1951. Artificial hand to be mounted on the stump of a human arm may be opened and closed at will in a manner closely resembling movements of a human hand. The hand is formed of aluminum parts with an outer flexible elastic casing, all shaped to simulate a human hand. The hand has the same number of joints as a human hand, with springs at the joints normally urging the hand open. A number of minor bellows in a cavity within the palm portion are connected by flexible elements to the fingers and thumb to close the hand when the bellows are expanded. A master bellows for actuating the minor bellows may be strapped to the wearer's body beneath an arm. (Co-owner) Angelo Biasi, R. D. 1, Hazleton, Pa. Group 39—16. Reg. No. 45,401.

Pat. 2,539,966. Folding Frame or Receptacle. Patented Jan. 30, 1951. A collapsible frame or receptacle for holding fragile items such as medicinal vials. Comprises a group of pairs of receptacle compartments formed by strips of foldable cardboard or other stiff material. Each strip is bent upon itself forming a quadrangular compartment. A terminal portion of each strip extends loosely within walls toward an opposite corner of compartment forming an inner transverse wall which wedges vials in non-shifting position. Side walls of pairs of compartments are adherently attached to one another and to those of adjacent compartments. The compartments, open at top and bottom, are encased in a box having conventional bottom and cover. (Owner) Jose Suner Orovig. Correspondence to Michael S. Striker, 511 Fifth Ave., New York 17, N. Y. Groups 26—61; 30—51; 39—81; 40. Reg. No. 45,402.

Pat. 2,558,817. Snow, Ice, and Frost Shield for Windshields. Patented July 3, 1951. Windshield protector for parked vehicles has a pan-shaped opaque body with rubber gasket along marginal edge. A threaded nipple at center of body has a spring shaft slidably mounted within. Operating knob on outer end of shaft may be used to force vacuum cup on inner end of shaft into and out of contact with windshield. May be made to fit one- or two-piece windshields. (Owner) Edmond V. Bryant, 4515 Tuxedo Ave., Cleveland 9, Ohio. Groups 38—31; 40. Reg. No. 45,403.

Pat. 2,522,867. Demountable Wheel Suspension. Patented Sept. 19, 1950. Wheel suspension for a motor scooter permits removal of the rear wheel without disturbing the frame or driving connection. A pair of parallel frame members extending upwardly and rearwardly above the rear wheel have a transverse tie rod between the upwardly extending portions. A tube rotatably mounted on bearings on the tie rod carries a rearwardly extending angular suspension arm comprising upwardly extending branches, with shock absorbing springs between the rear end of the arm and the frame members. A hub mounted on a stub axle secured to the center of the arm has a flange to which the rear wheel is removably secured. The tube also carries a pair of forwardly extending arms, which support a counter shaft. Sprockets on the counter shaft are coupled by endless chains to a sprocket on the hub and to the drive shaft of motor. (Co-owner) F. A. Goldammer, Air Base, Newport, Ark. Group 37—41. Reg. No. 45,404.

Pat. 2,554,053. Automatic Backwater Valve. Patented May 22, 1951. Adjustable valve of aluminum and brass for a drain trap has a removable strainer to be threadedly attached to the trap. Valve seat on under surface of strainer has a throat portion with an outwardly flared portion depending therefrom to engage a bell-like valve. An adjustable screw slidable in the central bore of the strainer permits up and down movement of valve. Back water entering the skirt portion will force the valve upwardly into closed position. (Owner) Charles H. Hyer, 1101 Wyoming St., El Paso, Tex. Group 33—61. Reg. No. 45,405.

Pat. 2,552,324. Measuring Instrument. Patented May 8, 1951. Measuring and marking instrument for determining a correct layout of openings to be bored. A frame has spaced slotted bars and a slidable gauge to coact with markings on one of the bars. Riders slidably mounted on the bars for adjusting the gauge are coupled together in spaced relation by a threaded adjusting screw. One of the riders is fixedly secured to the gauge. Parallel projections on bars and the gauge member have openings to receive marking tools. Made of light metal and adjustable to any length by attaching additional bars to the projections. (Owner) Ray Kingsley, 1501 North Dawson St., Thomasville, Ga. Groups 33—52; 35—43—65. Reg. No. 45,406.

Pat. 2,556,227. All-Purpose Wheel Alignment Machine. Patented June 12, 1951. A caster-supported U-shaped frame comprises side members adjustably positioned at right angles to a front or base member. Front member, with telescopically arranged portions, is adjustable in relation to front wheels of automobile and has a pair of rearwardly extending adjustably mounted short gauge rods to engage front wheels. Forward end of each side member is a pointer which overlies graduations on sector-shaped plates mounted on ends of front member. The frame is rolled into contact with automobile and adjustments made to check camber and toe-in of wheels. (Owner) Charlie Shaw, 2310 Sharswood St., Philadelphia 21, Pa. Groups 33—52; 38—31. Reg. No. 45,407.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 38 patents relate to electrical and mechanical devices and arrangements, and to synthetic resins. Included are patents relating to: A control devoid of thermostats for an electric blanket; a lubricated bearing arrangement for hermetically sealed electric motors wherein interior circulation of air picks up graphite powder and distributes it to the bearings; a gas analyzer for indicating a leak from an airplane gas tank or the like; and an X-ray monochromator. Other patents relate to: A wire tensioning device for high-speed coil winding operations; a method of securing a panel to a building wall; a tandem locking device for a series of adjacent compartment doors; a double-ended double-key operated locking device; removable shelving for a "deep freeze"; refrigerator flow control devices; and a heading die. Groups 33—59; 35—43—84; 36—11—13—19—21—51—61—62—92.

Pat. 2,493,584. Hydrogenated Polymer of 2-Vinyldibenzofuran. Jan. 3, 1950. Reg. No. 45,408.

Pat. 2,534,130. Wire Tensioning Device. Dec. 12, 1950. Reg. No. 45,409.

Pat. 2,218,397. Electric Line Tapping Apparatus. Oct. 15, 1940. Reg. No. 45,410.

Pat. 2,540,845. Permanent Magnet Dynamoelectric Machine With Automatic Keeper. Feb. 6, 1951. Reg. No. 45,411.

Pat. 2,541,033. Circuits for Electric Discharge Lamps. Feb. 13, 1951. Reg. No. 45,412.

Pat. 2,541,805. Rate of Change and Maximum Limit Device for Pressure Fluid Servomotor Regulating Systems. Feb. 13, 1951. Reg. No. 45,413.

Pat. 2,543,635. Polymerization in the Presence of an Organo-Phosphorus Compound as an Activator. Feb. 27, 1951. Reg. No. 45,414.

Pat. 2,543,636. Polymerization in the Presence of Dibutyl Sulfite as an Accelerator. Feb. 27, 1951. Reg. No. 45,415.

Pat. 2,543,639. Rotor for Synchronous Induction Motor. Feb. 27, 1951. Reg. No. 45,416.

Pat. 2,544,360. Clutch and Brake Mechanism. Mar. 6, 1951. Reg. No. 45,417.

Pat. 2,543,626. Method of Attaching a Panel to a Surface. Feb. 27, 1951. Reg. No. 45,418.

Pat. 2,543,630. X-Ray Monochromator. Feb. 27, 1951. Reg. No. 45,419.

Pat. 2,543,632. Regulated High-Voltage Power Supply. Feb. 27, 1951. Reg. No. 45,420.

Pat. 2,543,643. Tandem Locking Device. Feb. 27, 1951. Reg. No. 45,421.

Pat. 2,543,647. Bearing Structure. Feb. 27, 1951. Reg. No. 45,422.

Pat. 2,498,515. Means for Feeding Granular Material to a Mill and the Like. Feb. 21, 1950. Reg. No. 45,423.

Pat. 2,538,650. Toaster Slice Positioner. Jan. 16, 1951. Reg. No. 45,424.

Pat. 2,543,620. Electric Blanket Control. Feb. 27, 1951. Reg. No. 45,425.

Pat. 2,545,365. Open Circuiting Arrangement for Commutator Brushes. Mar. 13, 1951. Reg. No. 45,426.

Pat. 2,544,296. 1-(p-Tolylthio)-3-Trimethylsilylpropane. Mar. 6, 1951. Reg. No. 45,427.

Pat. 2,544,305. Multiple Key Locking System. Mar. 6, 1951. Reg. No. 45,428.

Pat. 2,544,343. Connector Block With Strain Relief. Mar. 6, 1951. Reg. No. 45,429.

Pat. 2,544,366. Electromagnetic Chuck Control Circuit. Mar. 6, 1951. Reg. No. 45,430.

Pat. 2,545,335. Bearing Lubrication. Mar. 13, 1951. Reg. No. 45,431.

Pat. 2,545,348. Cathode-Ray Tube Support. Mar. 13, 1951. Reg. No. 45,432.

Pat. 2,545,354. Electrostatic Generator. Mar. 13, 1951. Reg. No. 45,433.

Pat. 2,545,368. Electrical Power Control Circuit. Mar. 13, 1951. Reg. No. 45,434.

Pat. 2,545,386. Compensation Circuit for Electrostatic Voltmeters. Mar. 13, 1951. Reg. No. 45,435.

Pat. 2,546,033. Magnetically Controlled Electron Discharge Amplifier Circuits. Mar. 20, 1951. Reg. No. 45,436.

Pat. 2,546,715. Gas Analyzer Detecting Device. Mar. 27, 1951. Reg. No. 45,437.

Pat. 2,546,725. Phase Balancing Apparatus. Mar. 27, 1951. Reg. No. 45,438.

Pat. 2,546,740. Alternating Current Electromagnet With Armature. Mar. 27, 1951. Reg. No. 45,439.

Pat. 2,546,778. Socket Switch for Tubular Lamps. Mar. 27, 1951. Reg. No. 45,440.

Pat. 2,546,799. Adjustable Reference Voltage System. Mar. 27, 1951. Reg. No. 45,441.

Pat. 2,544,302. Heading Die and Method of Making It. Mar. 6, 1951. Reg. No. 45,442.

Pat. 2,548,593. Support for Shelf or Basket Rail Within a Refrigerator. Apr. 10, 1951. Reg. No. 45,443.

Pat. 2,548,608. Flow-Controlling Device for Refrigerators. Apr. 10, 1951. Reg. No. 45,444.

Pat. 2,548,643. Refrigerant Flow Controlling Device. Apr. 10, 1951. Reg. No. 45,445.

Included in the following 13 patents are: A weight distribution indicator, useful in loading airplanes; electronic circuits; magnetic clutch; welding electrode; electric measuring instrument; and an electric brooder. Also included are motors and controls therefor; a process for protecting metal articles from oxidation; and a speed screw for a brush holder assembly. Groups 25—99; 28—83; 33—69—75; 35—66; 36—12—13—19—21—41; 38—31.

Pat. 2,539,175. Liquid Blast Interrupter for Electric Breaker. Jan. 23, 1951. Reg. No. 45,446.

Pat. 2,539,185. Thermal Motor. Jan. 23, 1951. Reg. No. 45,447.

Pat. 2,539,191. Regenerative Braking Control. Jan. 23, 1951. Reg. No. 45,448.

Pat. 2,540,807. Center of Gravity Indicator. Feb. 6, 1951. Reg. No. 45,449.

Pat. 2,540,811. Inert Gas Arc Welding Electrode. Feb. 6, 1951. Reg. No. 45,450.

Pat. 2,540,854. Friction Contact Damper. Feb. 6, 1951. Reg. No. 45,451.

Pat. 2,541,813. Calorizing Process. Feb. 13, 1951. Reg. No. 45,452.

Pat. 2,541,824. Electronic Integrating Circuit. Feb. 13, 1951. Reg. No. 45,453.

Pat. 2,541,830. Synchronous Motor. Feb. 13, 1951. Reg. No. 45,454.

Pat. 2,541,831. Elimination of Viscous Drag in a Magnetic Fluid Clutch. Feb. 13, 1951. Reg. No. 45,455.

Pat. 2,542,692. Armature Lock. Feb. 20, 1951. Reg. No. 45,456.

Pat. 2,542,699. Electric Chick Brooder. Feb. 20, 1951. Reg. No. 45,457.

Pat. 2,542,722. Speed Screw. Feb. 20, 1951. Reg. No. 45,458.

The following 14 patents are available for non-exclusive licenses in the field of radio purposes, to domestic manufacturers. Group 36—61.

Pat. 2,388,090. Electrode Assembly. Oct. 30, 1945. Reg. No. 45,459.

Pat. 2,548,855. Phase Shifting Apparatus. Apr. 17, 1951. Reg. No. 45,460.

Pat. 2,549,473. Radar Equipment Calibrating System. Apr. 17, 1951. Reg. No. 45,461.

Pat. 2,549,846. Electron Coupled Magnetron Oscillator. Apr. 24, 1951. Reg. No. 45,462.

Pat. 2,550,462. Rectifier Regulator. Apr. 24, 1951. Reg. No. 45,463.

Pat. 2,550,485. Ultra High Frequency Electric Discharge Device and Cavity Resonator Apparatus Therefor. Apr. 24, 1951. Reg. No. 45,464.

Pat. 2,552,136. Linear Amplifier System. May 8, 1951. Reg. No. 45,465.

Pat. 2,552,146. Duplex Directive Antenna System. May 8, 1951. Reg. No. 45,466.

Pat. 2,552,157. Frequency Modulated Wave Generator. May 8, 1951. Reg. No. 45,467.

Pat. 2,552,162. Cable Terminating Device. May 8, 1951. Reg. No. 45,468.

Pat. 2,553,324. Wide Band Audio and Video Transformer. May 15, 1951. Reg. No. 45,469.

Pat. 2,553,339. Variable Inductance Tuner. May 15, 1951. Reg. No. 45,470.

Pat. 2,555,960. Harmonic Oscillation Generating System. June 5, 1951. Reg. No. 45,471.

Pat. 2,555,999. Reset Circuit for Eccles-Jordan Triggered Multivibrator Circuits. June 5, 1951. Reg. No. 45,472.

The following two patents relate to electric blankets and controls therefor. Group 36—19—21.

Pat. 2,501,499. Electric Heating Device and Control Therefor. Mar. 21, 1950. Reg. No. 45,473.

Pat. 2,549,432. Electric Blanket Control. Apr. 17, 1951. Reg. No. 45,474.

The following 17 patents include: High temperature resistant alloys; electric heaters; methods of producing and purifying hydrogen; method of annealing ferrous metals; and an apparatus for chromium plating or electroplating metals. Also included are a control for automatic heating and cooling systems, and a lock for automatic guns. Groups 28—34—86; 33—66—97—99; 34—19—42; 36—19.

Pat. 2,032,925. Process for Removing Carbonaceous Impurities From Hydrogen and Other Gases. Mar. 3, 1936. Reg. No. 45,475.

Pat. 2,079,494. Continuous Annealing Process. May 4, 1937. Reg. No. 45,476.

Pat. 2,106,597. Catalytic Material and Process of Making the Same. Jan. 25, 1938. Reg. No. 45,477.

Pat. 2,150,780. Electric Heater. Mar. 14, 1939. Reg. No. 45,478.

Pat. 2,221,526. Process for Heat Treating Aluminum Alloys. Nov. 12, 1940. Reg. No. 45,479.

Pat. 2,404,247. Strong, Machinable, Heat-Resistant Alloy. July 16, 1946. Reg. No. 45,480.

Pat. 2,404,248. Heat-Resistant Alloy. July 16, 1946. Reg. No. 45,481.

Pat. 2,406,363. High-Temperature Alloy. Aug. 27, 1946. Reg. No. 45,482.

Pat. 2,432,322. Apparatus for Electroplating Articles Having Pockets or Recesses Therein. Dec. 9, 1947. Reg. No. 45,483.

Pat. 2,450,623. High-Frequency Induction Heating System. Oct. 5, 1948. Reg. No. 45,484.

Pat. 2,460,817. Alloy Suitable for Use at High Temperatures. Feb. 8, 1949. Reg. No. 45,485.

Pat. 2,465,093. High-Frequency Corona Arc Heating Apparatus. Mar. 22, 1949. Reg. No. 45,486.

Pat. 2,467,230. Ultra High Frequency Dielectric Heater. Apr. 12, 1949. Reg. No. 45,487.

Pat. 2,470,791. Method for Improving the Properties of Precipitation Hardenable Castings. May 24, 1949. Reg. No. 45,488.

Pat. 2,483,933. Ultra High Frequency Dielectric Heater. Oct. 4, 1949. Reg. No. 45,489.

Pat. 2,535,709. Sear Mechaniam. Dec. 26, 1950. Reg. No. 45,490.

Pat. 2,545,353. Temperature Control System. Mar. 13, 1951. Reg. No. 45,491.

General Electric Company is prepared to grant non-exclusive licenses to industrial concerns under the following patent on a reasonable royalty basis to manufacture, use and sell betatrons, and is further prepared to grant free non-exclusive licenses under such patent to educational or similar institutions to construct betatrons by the use of the institutions' own facilities and to use such betatrons for non-profit purposes:

Pat. 2,550,459. Systems and Apparatus for Starting Charged Particle Accelerators. Apr. 24, 1951. Group 36—19—61—62—92. Reg. No. 45,492.

Royalty-Free Patent

General Electric Company is prepared to grant, until further notice, royalty-free, non-exclusive licenses under the following patent:

Pat. 2,446,429. Cellular Phenolic Resin. Aug. 3, 1948. A cellular phenolic resin is obtained by preparing a foam-forming, heat-generating, acidified composition which is self-rising and self-curing. The cellular products have a wide field of utility such as in buoyancy applications; thermal and acoustical insulation; as a space filler; as a construction material; and in certain electric insulating applications. Examples are given in the patent. Groups 28—83; 32—73. Reg. No. 45,493.

United States Government Owned Patents

The following 25 United States Letters Patent owned by the United States Atomic Energy Commission have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number and title.

Pat. 2,506,438. Electrolytic Process for Production of Fluorine. Patented May 2, 1950. This improved patented process for electrolytic production of fluorine employs a steel cathode and an anode composed of carbon containing 35 to 47% of copper distributed in the form of a network throughout the carbon in a mixed electrolyte at specified temperatures. Group 28—34—88. Reg. No. 45,494.

Pat. 2,514,909. Carrier for Radioactive Slugs. Patented July 11, 1950. This carrier for radioactive slugs employs a rotatable magazine and is so arranged that individual loading and unloading may be accomplished while maintaining adequate shielding. Groups 33—75; 34—99. Reg. No. 45,495.

Pat. 2,567,145. Method of Preparing Uranium Pentafluoride. Patented Sept. 4, 1951. This patent covers a process of preparing uranium pentafluoride by reacting anhydrous hydrofluoric acid with uranium pentachloride or uranium hexachloride or mixtures thereof at room temperature or below, subsequently pumping off the excess reactive gases and product gases and recovering solid anhydrous product. Groups 28—88—89; 32—95. Reg. No. 45,496.

Pat. 2,567,518. Preparation of Beryllium Nitride. Patented Sept. 11, 1951. Beryllium nitride of high density is prepared by the process of this patent at a controlled rate by reacting finely divided beryllium metal with gaseous nitrogen containing 2 to 6% hydrogen by volume at a temperature of between 700° and 1400° C. Groups 28—88—89; 32—95. Reg. No. 45,497.

Pat. 2,567,519. Pressure Monitoring Device. Patented Sept. 11, 1951. The pressure monitoring device of this patent is particularly adapted for use with highly corrosive gases. The device is so arranged that the pressure of the reactive gas is automatically balanced by a non-reactive gas, the pressure of which is directly measured. This system can also be used to control the pressure of the reactive gas. Groups 28—86; 35—65. Reg. No. 45,498.

Pat. 2,567,661. Zirconium and Hafnium Recovery and Purification Process. Patented Sept. 11, 1951. This patent covers a process for securing an effluent of zirconium or hafnium composition substantially free of undesired metal nitrates. Impure zirconyl or hafnyl nitrate or mixtures thereof may be freed from contaminating metal nitrates by diluting with water so as to form hydrous oxides of the zirconium or hafnium and then passing the diluted composition through a bed of cation exchange resin. Groups 28—88; 32—95. Reg. No. 45,499.

Pat. 2,567,668. Apparatus for the Measurement of Radioactivity. Patented Sept. 11, 1951. The radioactivity measuring apparatus of this patent, which is suitable for assaying by fission counting, is provided with an arrangement of safety devices to protect the operator from dangerous radiation and high voltage. Groups 35—65; 36—13. Reg. No. 45,500.

Pat. 2,567,759. Fluorination of High Molecular Compounds. Patented Sept. 11, 1951. Fluorocarbon lubricant oils are obtained from high boiling hydrocarbon oils by the process of this patent by passing the vapor of the hydrocarbon oil and larger volume of gaseous hydrogen fluoride into contact with a fluorinating agent such as cobalt trifluoride at a temperature between 150° and 400° C. Groups 28—88—89—29—11. Reg. No. 45,501.

Pat. 2,568,061. Rotary Shaft Driven Tappet. Patented Sept. 18, 1951. This patent provides a simple, delayed action tappet responsive to starts and stops in the rotation of a shaft, by mounting thereon a lubricated freely rotatable sleeve bearing employing suitable lever arms, and other desired mechanical components. Group 35—66. Reg. No. 45,502.

Pat. 2,568,642. Production of Dichlorododecafluoroheptane and Derivatives Thereof. Patented Sept. 18, 1951. This patent covers a two-step process for the pro-

duction of dichlorododecafluoroheptane. In the first step a polychloroheptane composition containing 10 to 12 chlorine atoms per molecule is fluorinated by treatment with anhydrous antimony pentafluoride. The reaction product is distilled to obtain a fraction having a composition approximating dodecafluoroheptane. This separated fraction is then photochemically chlorinated in liquid phase by means of gaseous chlorine to a chlorine content of about 20% by weight. The reaction product is fractionally distilled to obtain dichlorododecafluoroheptane. Group 28—88. Reg. No. 45,503.

Pat. 2,568,660. Fluorination Process. Patented Sept. 18, 1951. This patent covers an improved fluorination process employing powdered cobalt trifluoride in a fluidized technique for producing highly fluorinated carbon compounds from a hydrocarbon such as heptane. Group 28—83—89. Reg. No. 45,504.

Pat. 2,569,225. Method of Forming Uranium Monocarbide. Patented Sept. 25, 1951. This patent covers production of uranium monocarbide by combining metallic uranium with carbon in an amount of about 4.8% by weight and heating the mixture to a temperature in the range of about 900° C. to 1125° C. to bring about the reaction. Groups 28—89; 32—95. Reg. No. 45,505.

Pat. 2,569,232. Filter. Patented Sept. 25, 1951. This patent relates to an improved electronic filter circuit which may be synchronized to pass any one of a number of frequencies, capable of selecting a signal of desired frequency from others only a few cycles removed to provide a high signal to noise ratio, thus establishing a higher available sensitivity. Group 36—61—92. Reg. No. 45,506.

Pat. 2,569,644. Organic Fluorine Composition and Method of Making. Patented Oct. 2, 1951. The process of this patent produces a highly fluorinated high-boiling oil. Trichlorotrifluoroethane is condensed in liquid phase at an elevated temperature by means of a copper condensing agent. A portion of the reaction product, obtained by fractional distillation, is subsequently additionally fluorinated by means of antimony pentafluoride, cobalt trifluoride, or the like. Group 28—83—86. Reg. No. 45,507.

Pat. 2,569,646. Electrical Simulator. Patented Oct. 2, 1951. This electrical simulator is designed to solve simultaneous partial differential equations such as neutron diffusion equations. Groups 35—71; 36—13. Reg. No. 45,508.

Pat. 2,569,854. Drill Tool. Patented Oct. 2, 1951. This rotary drill tool for cutting glass or the like acts to provide a pumping action whereby liquid carrying the abrasive is continuously supplied to the cutting edge of the tool. Groups 33—51; 35—41. Reg. No. 45,509.

Pat. 2,570,119. Recovery of Carnotite From Its Ores. Patented Oct. 2, 1951. This patent covers an improved process for recovering a carnotite concentrate from siliceous carnotite bearing ores. The ground ore is subjected to flotation in the presence of a long chain fatty acid of at least 16 carbon atoms and a high molecular weight primary aliphatic amine of at least 8 carbon atoms. Group 32—95. Reg. No. 45,510.

Pat. 2,570,120. Process for Recovery of Pitchblende and Similar Uranium Minerals From Ores of Same by Special Flotation Practice. Patented Oct. 2, 1951. This patent covers a process for recovering a pitchblende concentrate from a siliceous ore thereof, comprising a preliminary treatment of the wet ground ore with ferric chloride followed by flotation of the ore pulp at a pH of about 7.5 to 8 in the presence of a long chain fatty acid containing at least 10 carbon atoms and a primary aliphatic amine containing at least 4 carbon atoms. Group 32—95. Reg. No. 45,511.

Pat. 2,570,435. Catalytic Vapor Phase Fluorination Apparatus. Patented Oct. 9, 1951. The fluorination apparatus of this patent provides a gas permeable contact mass in a chamber with inlets for reactants at one end and an outlet for reaction products at the other end, and a permeable plate interposed between the inlets extending a substantial distance into the contact mass and having perforations of progressively larger size in the direction of gas flow in the chamber. Group 35—59. Reg. No. 45,512.

Pat. 2,570,984. Ambient Pressure Responsive Clamping Means. Patented Oct. 9, 1951. The improved quick-release clamping means of this patent is actuated in dependence with ambient pressure conditions and is particularly adapted to support a target to be bombarded by accelerated particles in an evacuated chamber. Group 36—61—62—92. Reg. No. 45,513.

Pat. 2,571,237. Adsorption Separation of Zirconium and Hafnium. Patented Oct. 16, 1951. The patent covers a process for separation of hafnium from zirconium by passing a mixture of the anhydrous chlorides in solution in anhydrous methanol through a bed of silica gel, whereby the hafnium is substantially completely adsorbed. Groups 28—88; 32—95. Reg. No. 45,514.

Pat. 2,571,302. Sampler for Highly Radioactive Substances. Patented Oct. 16, 1951. This sampling apparatus is designed to provide adequate shielding for an operator when treating or handling solutions of very high radioactivity. Groups 28—34—93; 33—75; 36—92. Reg. No. 45,515.

Pat. 2,571,439. System for Determining Tube Characteristics. Patented Oct. 16, 1951. This patent discloses an electronic system for determining the characteristics of radiation-responsive devices and is particularly adapted to automatically plotting the characteristic rise curve of a Geiger Mueller tube. Group 36—13. Reg. No. 45,516.

Pat. 2,571,926. Preparation of Organic Materials. Patented Oct. 16, 1951. This patent discloses an improved process for the preparation of urea or cyanamide comprising the steps of reacting barium carbonate with barium amide to form barium cyanamide, and hydrolyzing the latter to form cyanamide and, in turn, urea. By using carbon dioxide formed from carbon 14 to prepare the barium carbonate, it is possible to prepare carbon 14 labelled urea. Group 28—89—99. Reg. No. 45,517.

Pat. 2,571,965. Process for Production of Radioactive Iron. Patented Oct. 16, 1951. This patent covers a process for producing a radioactive iron composition of high specific activity. The composition is obtained as the water insoluble fraction from magnesium ferrocyanide which has been subjected to neutron bombardment in only a low or moderate neutron flux. Group 28—88—99. Reg. No. 45,518.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING OCTOBER, 1951

CONSOLIDATED COSMETICS v. LUCIEN LELONG, INC., 173 Ms. D. 499, 91 USPQ 15, October 3, 1951, Cancellation No. 5415.

Registration was obtained on the Principal Register of the act of 1946 of the notation "Solid" applied to cologne. Petition for cancellation was filed alleging that the word "solid" is either descriptive or deceptively misdescriptive of the goods for which it is registered and that the registration was fraudulently obtained. The Examiner of Trade-Mark Interferences sustained the petition. *Assistant Commissioner Klinge* affirmed.

It was held that the word "solid" is not only merely descriptive of the form in which cologne products of the character here involved are marketed, but also that the word is inherently incapable of distinguishing the respondent's goods to the exclusion of like goods sold by others.

It was held that even though the word "solid" has numerous connotations, some of which are nowise descriptive of the goods here involved, nevertheless, since the word has at least one meaning, and incidentally it is the most common one, which is clearly descriptive of respondent's goods, the fact that it may have other unrelated meanings is wholly immaterial to the question of the respondent's right of registration.

In response to respondent's argument that petitioner is not being deprived of the use of the only appropriate word for its product, it was held to be immaterial that there are other words which others may use, which may be equally descriptive of the product as the word "solid." The only question here presented involves the registrability of the latter notation.

BUNTE BROTHERS v. SHEDD PRODUCTS COMPANY (SHEDD BARTUSH FOODS, INC., by change of name), 173 Ms. D. 498, 91 USPQ 14, October 3, 1951, Cancellation No. 5497.

Registration was obtained under the act of 1905 for the mark "Mi Choice" for use on oleomargarine. Petition for cancellation was filed based upon petitioner's allegation of prior use of the mark "Mi-Choice" for candy and its Registration No. 115,937. Laches was pleaded by the respondent as an affirmative defense. The Examiner of Trade-Mark Interferences held the defense of laches inapplicable to the present case but dismissed the petition. *Assistant Commissioner Klinge* reversed the Examiner's decision to the extent that it holds the defense of laches inapplicable in the present case, but affirmed the decision dismissing the petition for cancellation.

It was held that the registration under the act of 1905 constituted constructive notice to the petitioner and that the latter having stood idly by for some ten years during the time registrant innocently conducted and built up its business was now precluded by laches from obtaining cancellation of respondent's trade-mark.

It was held that candy and oleomargarine relate to different classifications of merchandise, the one being a confection and the other essentially a staple grocery item.

EX PARTE THE GRAPETTE COMPANY, INCORPORATED. 173 Ms. D. 503, 91 USPQ 63, October 12, 1951.

Application was made for registration of the trade-mark "White Cap" for a lithiated lemon soda. The Examiner of Trade-Marks refused registration in view of two registrations, both for wines, one, No. 319,097, being for the identical mark "White Cap," and the other, No. 330,131, being for a composite mark consisting of two labels, one being a neck label bearing the words "White Cap" and "F. Chauvenet." *Assistant Commissioner Klinge* affirmed.

After noting that the only issue presented in this appeal is whether the goods of the applicant and the goods of the two registrations are so related that when sold under the same mark likelihood of confusion in trade as to source of origin of the goods would result, it was held that the Examiner was right in holding that applicant's lemon soda and registrant's wines are beverages which are sold in bottles in the same stores, possibly over the same counters to the same class of purchasers, and that a customer seeing the mark "White Cap" used for both wines and lemon soda in a place where such goods are sold or displayed might reasonably conclude that both products emanated from the same source.

ROHM & HAAS COMPANY v. THE C. P. HALL COMPANY, 173 Ms. D. 504, 91 USPQ 69, October 12, 1951. Concurrent Use Proceeding No. 32.

Hall owns Trade-Mark Registration No. 205,178 for the trade-mark "PARA-FLUX" for asphaltum. On January 12, 1948, Hall filed the application involved in this proceeding for registration of the same trade-mark for plastics and flexing material for rubber and synthetic rubbers. Rohm & Haas Company, the party in the position of plaintiff in this proceeding, filed a notice of opposition. Later, Rohm & Haas filed the application involved in this proceeding for the registration of the mark "Para-

plex" for synthetic resinous condensation products of the polyester type and solutions thereof suitable for use as plasticizers and modifiers for surface coatings, cellulosic plastics, and polyvinyl resins. The present proceedings were instituted and the opposition was suspended pending the institution of the concurrent use proceedings so that the two could be conducted together.

Hall moved to dissolve the proceedings, and the Examiner dissolved the concurrent use proceeding (1) in view of the absence of any territorial or marketing differentiation in the applications involved, and (2) because the mark of the party Hall is unregistrable on the application involved since the description of the goods is insufficient to satisfy the requirements of section 1(a) 1 of the Trade-Mark Act of 1946. Both parties appealed. *Examiner-in-Chief Federico* vacated the action of the Examiner in holding Hall's mark unregistrable on the application involved and reversed the decision dissolving the proceeding.

It was held that if the proceedings are terminated by dissolution, the Examiner would be constrained to declare an interference between the two applications, and since a concurrent use proceeding is but a species of interference and the proceedings follow the practice in interferences, no reason is seen why the present proceeding may not be continued in view of the fact that it is to be conducted with the pending opposition proceeding which involves the same issue which is attempted to be raised in this proceeding. The Examiner of Interferences can make whatever decision is appropriate in view of the facts presented, when ruling upon both the opposition and the instant proceeding. While the institution of the present proceeding as a concurrent use proceeding is believed to have been erroneous, and its dissolution as such may be correct, nevertheless the decision dissolving the proceeding was reversed since it was believed appropriate in view of the special circumstances to permit the proceedings to continue and be determined at the same time as the opposition.

It was held that since the same Hall application involved herein is involved in the opposition proceeding and the same issue is being raised in the opposition, the Examiner of Trade-Marks should not have ruled ex parte in the concurrent use proceeding on the question of the registrability of the mark in the application involved.

EX PARTE THE LUFKIN RULE COMPANY, 173 Ms. D. 514, — USPQ —, October 29, 1951.

Application was made to register the mark "Derrick" for tape measures on the Principal Register. The Examiner of Trade-Marks refused registration on the ground that the mark is "generically descriptive" of the goods. *Examiner-in-Chief Federico* affirmed on the ground that the mark is unregistrable by virtue of section 2(e) of the Trade-Mark Act which prohibits the registration of descriptive marks.

It was held that it is true that the word "derrick" does not describe steel tapes in the sense that it describes their appearance or structure, but a word is also descriptive if it describes a character or quality of the goods, or the purpose for which they are used.

It was also held that the use of the word "Derrick" in connection with steel measuring tapes, advertised and particularly intended for use with derricks is considered obviously descriptive.

EX PARTE POCKET BOOKS, INC., 173 Ms. D. 522, — USPQ —, October 31, 1951.

Application was made to register the term "Pocket Book" for books, on the Principal Register under the provisions of section 2(f) of the Trade-Mark Act of 1946. The Examiner of Trade-Marks refused registration on the ground that the mark presented herein is merely the name of the goods and hence is incapable of acquiring distinctiveness under section 2(f) of the 1946 act. *Examiner-in-Chief Federico* affirmed.

It was held that it is not believed that usage, advertising and repetition alone, and even acquiesence of the professional trade group, is sufficient to remove the name of an article from the category of a generic word of the English language to that of a trade-mark for the article.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 27, 1951

[VOL. 652. NO. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 525,762. Armor-Clad Company, Newark, N. J. Filed July 3, 1947.



For Refractory Coating To Be Applied by Brush or Spray-Gun to the Interior of High Temperature Furnaces Which Vitrifies When the Furnace Is Placed in Operation To Form a Monolithic Infusible Coating With Heat Refractory Characteristics Affording Protection to the Furnace Interior and Inhibiting the Formation of Slag on Furnace Fire Walls.

Claims use since November 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 477,081. Sperry Gyroscope Company, Inc., Brooklyn, N. Y., now by merger The Sperry Corporation, a corporation of Delaware. Filed Nov. 30, 1944.

Microline

For Electrical High Frequency Apparatus Consisting of Electric High Frequency Transmission Lines—Namely, Concentric or Coaxial Lines, Wave Guides and Associated Apparatus Including Fittings Therefor.

Claims use since May 25, 1944.

CLASS 39

CLOTHING

Ser. No. 516,872. Elisebeth E. Snow, Portland, Oreg. Filed Feb. 3, 1947.

"SHOWER SHELTER"

The word "Shower" is disclaimed.

For Protective Plastic Rain Cape To Be Worn by a Child While Riding in a Baby Stroller.

Claims use since Nov. 15, 1938.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 508,293. La Emilia, Industrias Textiles, S. R. L., Buenos Aires, Argentina. Filed Aug. 30, 1946.



The picture of the girl is fanciful.

For Lace and Embroidery Medallions Used as Trimming, Narrow Lace Trimmings, Lace Ruffling Used as Trimmings, Passementerie and Galloons.

Claims use since Nov. 23, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 501,313. Crompton Company, West Warwick, R. I. Filed May 2, 1946.

SCOTSBRIER

For Fabrics in the Piece Composed of Cotton, Silk, Rayon, Linen, Protein Fibers, or Mixtures Thereof.

Claims use since Apr. 1, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 602,828. Empire Brush Works, Inc., Port Chester, N. Y., now by change of name Empire Brushes, Inc., a corporation of New York. Filed Aug. 28, 1950.

Emprene

For Synthetic Plastic Monofilament Bristles for Brushes.
Claims use since July 27, 1949.

Ser. No. 606,342. Texas Planting Seed Association, Bryan, Tex. Filed Nov. 13, 1950.



All wording is disclaimed apart from the mark as a whole.
For Planting Seed.
Claims use since 1945.

Ser. No. 606,536. Harper & Martin, also doing business as Har-Mar Seed Service, Cromwell, Ind. Filed Nov. 17, 1950.



The representation of the ear of corn is disclaimed. The drawing is lined for shading.
For Field and Garden Seeds.
Claims use since June 15, 1946.

Ser. No. 606,690. Armour and Company, Chicago, Ill. Filed Nov. 21, 1950. (Sec. 2f.)

ARMOUR

For Tall Oil Pitch, Cottonseed Pitch, Palm Pitch, and Marine Pitch.
Claims use since 1887.

Ser. No. 609,564. Northrup, King & Co., Minneapolis, Minn. Filed Feb. 2, 1951.



Applicant claims ownership of Registrations Nos. 145,425 and 506,415.
For Planting Seeds—Namely, Alsike Clover, Medium Red Clover, Mammoth Red Clover, Hubam Clover, Ladino Clover, White Lawn Clover, Sweet Clover, Yellow Blossom Sweet Clover, Timothy, Lawn Seed, Hybrid Seed Corn, Purple Vetch Seed, Grimm Alfalfa, Cossack Alfalfa, Washington Alfalfa, Pasture Mixture, and Birdsfoot Trefoil.
Claims use since Sept. 1, 1949.

Ser. No. 610,002. The Conard-Pyle Company, West Grove, Pa. Filed Feb. 13, 1951.



The words "Rose Growers" are disclaimed. Applicant claims ownership of Registration No. 372,251.
For Rose Plants.
Claims use since 1908.

Ser. No. 612,035. William G. Scarlett, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Filed Mar. 30, 1951.

Challenger

For Grass Seed.
Claims use since February 1925.

Ser. No. 612,036. William G. Scarlett, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Filed Mar. 30, 1951.



For Lawn Seed.
Claims use since February 1931.

CLASS 2

RECEPTACLES

Ser. No. 543,545. Union Bag & Paper Corporation, New York, N. Y. Filed Dec. 5, 1947. (Sec. 2f.)

"Vent - Vu"

For Paper Bags.
Claims use since Nov. 24, 1947.

Ser. No. 562,306. Bemis Bro. Bag Company, St. Louis, Mo. Filed July 28, 1948.

LINLINE

For Cloth Bags Used for Flour, Cereals, Feeds, and Other Purposes.
Claims use since Feb. 15, 1939.

Ser. No. 572,088. The Consolidated Paper Bag Company, Somerville, Mass. Filed Jan. 13, 1949.



The word "Square" is disclaimed.
For Paper Bags.
Claims use since Nov. 1, 1948.

Ser. No. 572,788. The Y & N Manufacturing Company, Inc., Wooster, Ohio. Filed Jan. 25, 1949.



The word "Preserver" is disclaimed.
For Portable Fluid-Tight Sheet Metal Box for Holding and Storing Paint Brushes.
Claims use since Jan. 2, 1949.

Ser. No. 575,394. The Denton Corporation, Oakland, Calif. Filed Mar. 14, 1949.

Dent-O-Pak

The word "Pak" is disclaimed.
For Transparent Bags.
Claims use since July 15, 1948.

Ser. No. 587,230. The American Thermos Bottle Company, Norwich, Conn. Filed Nov. 3, 1949.



The words "Keeps Hot," "Keeps Cold" and the representation of a bottle are disclaimed.
For Vacuum, Thermostatic, and Heat-Insulated Vessels—Namely, Bottles, Jars, Decanters, Carafes, Teapots, Jugs, Marmites, Pots, Pitchers, and Flasks.
Claims use since Sept. 14, 1949.

Ser. No. 608,857. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951.

TROJAN

Applicant claims ownership of Registration No. 388,593.
For Storage Tanks.
Claims use since June 15, 1940.

Ser. No. 610,158. American Lace Paper Company, Milwaukee, Wis. Filed Feb. 16, 1951.

PORCELL

Applicant claims ownership of Registration No. 286,516.
For Molded Paper Pulp Cups.
Claims use since 1932.

Ser. No. 610,183. National Organ Supply Company, Erie, Pa. Filed Feb. 16, 1951.

DINAH WARE

The word "Ware" is disclaimed.
For Plastic Dishes.
Claims use since Sept. 23, 1950.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 597,843. Julius Resnick, Inc., New York, N. Y. Filed May 20, 1950.



The word "Bag" is disclaimed.
For Ladies' and Children's Handbags.
Claims use since Mar. 16, 1950.

Ser. No. 600,088. T. J. & J. Smith Limited, London, England. Filed June 30, 1950.

"Leathersmith"

For Leather Breast Pocket Wallets and Billfolds, Leather Billfolds With Purse for Change, Leather Bound Vest Pocket Holders in Combined Form for Holding Note Pads and Cards; Leather Bound Vest Pocket Holders for Refillable Memo Pads; Leather Bound Vest Pocket Holders With Pockets and Means To Retain Refillable Memo Pads, and Leather Bound Holders for Loose Memo Cards.
Claims use since May 1949; and first used in commerce between the Kingdom of Great Britain and Northern Ireland and the United States in May 1949.

Ser. No. 604,833. Betrix Company, Los Angeles, Calif. Filed Oct. 13, 1950.

Converti-kit

The word "Kit" is disclaimed.
For Portable and Convertible Dressing Cases Used as Containers for Personal Articles.
Claims use since June 28, 1950.

Ser. No. 609,951. Theodor, Inc., Los Angeles, Calif. Filed Feb. 10, 1951.



For Handbags.
Claims use since Jan. 4, 1951.

Ser. No. 610,662. Amity Leather Products Co., West Bend, Wis. Filed Mar. 1, 1951.

Vanguard

For Billfolds.
Claims use since Feb. 13, 1951.

Ser. No. 611,741. Ralph Rodgers, White Plains, N. Y. Filed Mar. 24, 1951.

PRESTO-MAGICO

For Brief Bags and Cases.
Claims use since Jan. 10, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 598,001. The Butcher Polish Company, Boston, Mass. Filed May 24, 1950.

Applicant claims ownership of Registrations Nos. 121,587, 121,588, and 121,589.
For Paste and Liquid Waxes, and Self-Polishing Wax for Polishing Floors and Other Surfaces.
Claims use since May 24, 1883.

Ser. No. 599,650. Paradize Products Corporation, Fairview, N. J. Filed June 23, 1950.

PARADIZE

Plastic WAX

The words "Plastic Wax" are disclaimed. Applicant claims ownership of Registration No. 505,491.
For Self-Polishing Floor Wax.
Claims use since June 15, 1950.

Ser. No. 606,790. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

NOPCO

Applicant claims ownership of Registrations Nos. 121,927, 349,176, and others.
For Sole Leather Wax Polishes.
Claims use since 1936.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 562,462. Food Machinery Corporation, San Jose, Calif., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware. Filed July 29, 1948. (Sec. 2f.)

Magara

For Insecticides and Fungicides.
Claims use since 1911.

Ser. No. 563,183. Hooker Electrochemical Company, Tacoma, Wash., and Niagara Falls, N. Y. Filed Aug. 11, 1948. (Sec. 2f as to "Hooker.")

From the Salt of the Earth HOOKER CHEMICALS

The words "From the Salt of the Earth" and "Chemicals" are disclaimed. Applicant claims ownership of Registrations Nos. 139,817 and 375,476.
For Acetyl Chloride, Ammonium Benzoate, Allylchlorformate, Aluminum Chloride, Antimony Trichloride, Antimony Pentachloride, Arsenic Trichloride, Benzal Chloride, Benzene Hexachloride, Benzoate of Soda, Benzoic Acid, Benzoic Anhydride, Benzotrichloride, Benzotrifluoride, Benzoyl Chloride, Benzyl Alcohol, Benzyl Chloride, Benzyl Thiocyanate, Butyryl Chloride, Caprylyl Chloride, Caustic Soda, Chloranisidine, Chlorine, Chlornaphthalenes, Chlor-Paraffins, Chlor-Propane, Cyclohexanol, Decahydronaphthalene, 2,5-Dichloraniline, 2,5-Dichlornitrobenzene, Dimethyl Urea, Furfuryl Alcohol, Hexachlorbenzene, Hexachlorbutadiene, Hexachlorcyclopentadiene, Hexafluorodichlorobutene, Hydrogenated Castor Oil, Isopropyl Chloride, Lauryl Chloride, Lauryl Mercaptan, Lauryl Pyridinium Chloride, Metanitrobenzoyl Chloride, Methyl Benzoate, Methyl Cyclohexanol, Methyl Dichlorstearate, Methyl Pentachlorstearate, Methyl Stearate, Monochloracetic Acid, Monochlorbenzene, Monochlortoluene, Muriatic Acid, Nitrobenzotrifluoride, Orthodichlorbenzene, Paradichloraniline, Paradichlorbenzene, Paranitrobenzoyl Chloride, Phenyl Isocyanate, Phosgene, Piperidine, Polymerized Fluorochloroethylene, Propionyl Chloride, Sodium Sulfhydrate, Sodium Sulfide, Sodium Tetrasulfide, Sulfur Dichloride, Sulfur Monochloride, Sulfuryl Chloride, Tetrachlorbenzene-1,2,4,5, Tetrahydrofurfuryl Oleate, Tetrahydronaphthalene, Tetraphenyl Tin, Thionyl Chloride, Trichlorbenzene, Trifluoroacetic Acid, Xylene Hexafluoride.
Claims use since July 1, 1944.

Ser. No. 584,635. Nuodex Products Co., Inc., Elizabeth, N. J. Filed Sept. 9, 1949.

NUODIZE

For Pest Control Compositions—Namely, Fungicides, Insecticides, Bactericides; Compositions for Agricultural Pest Control; Mildewproofing Compositions and Rotproofing Compositions Which Are Useful for the Protection of Wax, Paint, Varnish, Enamel, Lacquer, Cordage and Rope, Leather, Wood and Wooden Articles—Namely, Lumber, Posts, Plywood, and Millwork; and for the Protection of Fabrics and Fabric Articles and Rugs, Fire Hose, Sail Cloth, Tents, Awnings and Tarpaulins, and for General Household and Industrial Use; and Marine Anti-Fouling Compositions.
Claims use since Aug. 30, 1949.

Ser. No. 591,354. Chemi-Sol Chemical and Sales Co., Hutchinson, Kans. Filed Jan. 24, 1950.

CHEMI-FUME

The word "Fume" is disclaimed.
For Fumigant.
Claims use since Jan. 28, 1949.

Ser. No. 591,440. S. P. F. Wood-Preserving Co., Inc., Cambridge, Mass. Filed Jan. 25, 1950.

DI-MITE

The word "Mite" is disclaimed.
For Insecticide.
Claims use since Mar. 17, 1930.

Ser. No. 603,169. The Special Chemicals Company, Cleveland, Ohio. Filed Sept. 5, 1950.

VINAC

For Polyvinyl Acetate Emulsion Sold in Bulk in Barrels or Like Containers, for General Use in the Industrial Arts.
Claims use since Mar. 1, 1950.

Ser. No. 607,012. Fulbright Laboratories, Inc., Charlotte, N. C. Filed Nov. 28, 1950.

FUL-O-FOS

For Water Softening Agent.
Claims use since Feb. 7, 1950.

Ser. No. 610,519. Mallinckrodt Chemical Works, St. Louis, Mo. Filed Feb. 26, 1951.

Calocure

Applicant claims ownership of Registrations Nos. 230,506, 357,788, and others.
For Fungicide for Turf Diseases.
Claims use since Dec. 27, 1950.

Ser. No. 611,127. Charles E. Duggan, doing business under the fictitious firm name and style of Charles E. Duggan Co., Pomona, Calif. Filed Mar. 10, 1951.

CEDCO

For Lime Sulfur Insecticide Solution and Petroleum Hydrocarbon Weed Killer.
Claims use since Jan. 8, 1951.

Ser. No. 612,061. Eaton Chemical and Dyestuff Company, Detroit, Mich. Filed Mar. 31, 1951.

DUBL-DUX

For Dry Water Repellent Concentrate for Use on All Fabrics.
Claims use since Nov. 10, 1950.

Ser. No. 612,185. Technicon Chemical Company, Inc., New York, N. Y. Filed Apr. 3, 1951.

PARAWAY

For Liquid for Removing Paraffin From Histological Tissue Specimens.
Claims use since Feb. 5, 1951.

Ser. No. 612,315. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Apr. 6, 1951.

STOPOMAT

For Chemical for Making Photographic Stop Bath.
Claims use since Mar. 19, 1951.

Ser. No. 612,316. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Apr. 6, 1951.

FIXOMAT

For Chemical for Making Photographic Fixing Bath.
Claims use since Mar. 20, 1951.

Ser. No. 612,343. National Foam System, Inc., West Chester, Pa. Filed Apr. 6, 1951.

NATIONAL 99

For Fire-Extinguishing Chemicals and Compositions.
Claims use since 1936.

Ser. No. 612,376. Scientific Solutions, Inc., West Palm Beach, Fla. Filed Apr. 7, 1951.

NULLIFIRE

For Liquid Preparations for Application to Textiles To Render Them Fire Retardant.
Claims use since Feb. 1, 1951.

Ser. No. 612,385. Godfrey L. Cabot, Inc., Boston, Mass. Filed Apr. 9, 1951.

SUPER CARBOVAR

The word "Super" is disclaimed. Applicant claims ownership of Registration No. 190,940.
For Carbon Black for Use in the Chemical and Other Industries.
Claims use since Apr. 10, 1924.

Ser. No. 612,645. American Viscose Corporation, Philadelphia, Pa. Filed Apr. 14, 1951.

AVCOSET

For Cellulose Ethers.
Claims use since May 3, 1950.

CLASS 8
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 606,282. Elmira Filter Tip Corporation, Elmira, N. Y. Filed Nov. 13, 1950.

Flips

For Disposable Filter Cigarette Holders.
Claims use since Sept. 26, 1950.

CLASS 10
FERTILIZERS

Ser. No. 611,739. Mathieson Chemical Corporation, Baltimore, Md. Filed Mar. 24, 1951.



For Ammonium Phosphate Fertilizers.
Claims use since Jan. 29, 1951.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 607,679. Mittag & Volger, Incorporated, Park Ridge, N. J. Filed Dec. 14, 1950.

SILK-SPUN

Applicant claims ownership of Registrations Nos. 33,869 and 280,415.
For Carbon Paper and Typewriter Ribbons.
Claims use since March 1899.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 551,408. Sears, Roebuck and Co., Chicago, Ill. Filed Mar. 6, 1948.

FARM MASTER

Applicant claims ownership of Registrations Nos. 423,212 and 431,681.
For Stock Stalls, Brooder Houses, Farrowing Houses, Poultry and Utility Houses, Sheet Metal Roofing in Rolls and Shingles, Fence Gates Formed of Wood and Combinations of Wood and Metal.
Claims use since July 15, 1940.

Ser. No. 553,344. Clear Fir Sales Company, Eugene, Oreg. Filed Mar. 30, 1948.



For Lumber.
Claims use since Feb. 27, 1948.

Ser. No. 558,433. All-Steel Equipment Inc., Aurora, Ill. Filed June 4, 1948. (Sec. 2f.)

ALL-STEEL

For Construction Materials—Namely, Concrete Rings and Plates Used in Concrete Buildings, and Supports for Adjustably Mounting a Threaded Shank Between Studs or Joists.
Claims use since 1925.

Ser. No. 572,315. Miller Brothers Company, Johnson City, Tenn. Filed Jan. 17, 1949. (Sec. 2f.)

MILLER MB BRAND

The word "Brand" is disclaimed.
For Wood Flooring and Millwork—Namely, Flooring, Trim, Mouldings, and Treads.
Claims use since July 1926.

Ser. No. 575,280. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Mar. 11, 1949.

RAMCOAT

For Mixture of Asphalt, Crushed Mineral Aggregate, and Additive Used as Road Surfacing Material.
Claims use since 1928.

Ser. No. 585,349. Stimson Lumber Company, Forest Grove, Oreg. Filed Sept. 26, 1949.

FOREST HARD BOARD

The words "Hard Board" and the representation of the board are disclaimed.
For Wallboard.
Claims use since June 7, 1949.

Ser. No. 586,488. Jacobson & Company, Inc., New York, N. Y., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware. Filed Oct. 18, 1949.

ACOUSTI-LINE

For Metal Channel Forms Used for the Installation of Acoustical Material.
Claims use since January 1949.

Ser. No. 588,115. Spliced wood Corporation, Mellen, Wis. Filed Nov. 19, 1949.

PENWOOD

For Plywood.
Claims use since Feb. 1, 1949.

Ser. No. 589,857. Eugene Leipold, Milwaukee, Wis. Filed Dec. 23, 1949.

SPLIT-ROCK

The word "Split" is disclaimed.
For Concrete Aggregate Blocks.
Claims use since Mar. 15, 1949.

Ser. No. 591,966. Thread Compounds Manufacturing Company, Gardena, Calif. Filed Feb. 3, 1950.

T-C-M

For Tool Joint Compound Which Both Seals and Lubricates.
Claims use since Nov. 26, 1948.

Ser. No. 592,667. Screens & Fabricated Metals Corp., North Bergen, N. J. Filed Feb. 17, 1950.

Fabrico

For Window Screens.
Claims use since Jan. 27, 1950.

Ser. No. 596,073. California Reinforced Plastics Company, Berkeley, Calif. Filed Apr. 21, 1950.

Hexcel

For Panels Composed of Low Density Cellular Core Material Having Structural Strength for General Construction and Fabrication, Said Panels Made of Resin Impregnated Glass Cloth, Textile Fabric, Paper and/or Metal Foil.
Claims use since Oct. 1, 1949.

Ser. No. 596,388. Brainerd Aluminum Products, Inc., Brainerd, Minn. Filed Apr. 27, 1950.

LIFE-SIDE

The word "Side" is disclaimed.
For Metal Siding for Building Construction.
Claims use since Apr. 1, 1949.

Ser. No. 596,745. The Mosaic Tile Company, Zanesville, Ohio. Filed May 2, 1950.

MURATILE

For Floor, Wall and Ceiling Tiles of Clay for Interior and Exterior Purposes.
Claims use since Nov. 10, 1932.

Ser. No. 597,257. Arthur H. De Van, Jr., doing business as Durable Putty Products Co., St. Louis, Mo. Filed May 11, 1950.

Sealastic

For Caulking Compound.
Claims use since Apr. 12, 1950.

Ser. No. 599,339. The Paraffine Companies, Inc., San Francisco, Calif., now by change of name Pebco Products, Inc., a corporation of Delaware. Filed June 17, 1950.

STORM LAP

The word "Lap" is disclaimed.
For Asbestos Cement Shingles and Sidings.
Claims use since Nov. 20, 1948.

Ser. No. 607,898. Hachmeister-Inc., Pittsburgh, Pa. Filed Dec. 20, 1950.

HAKO

For Asphalt Tile and Cement Primer Used in Connection With the Laying of Asphalt Tile.
Claims use since October 1934.

Ser. No. 611,713. Morrison Steel Products Inc., Buffalo, N. Y. Filed Mar. 23, 1951.



For Overhead Retractable Garage Doors.
Claims use since Nov. 1, 1950.

Ser. No. 611,759. Certain-teed Products Corporation, Ardmore, Pa. Filed Mar. 26, 1951.

Certacoustic

Applicant claims ownership of Registration No. 537,443.
For Acoustical Tile Made Largely From Fibre Glass.
Claims use since Feb. 14, 1950.

Ser. No. 611,996. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Filed Mar. 30, 1951.

BERKOLEUM

For Acid Resistant Silicate Cement Used To Join Bricks.
Claims use since Mar. 13, 1951.

Ser. No. 612,234. Aluminum Fabricating Company of Pittsburgh, Pittsburgh, Pa. Filed Apr. 5, 1951.

"Season-all"

For Storm Sash for Permanent Mounting and Sealing on Windows.
Claims use since Sept. 25, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 597,897. Norben, Inc., Indianapolis, Ind. Filed May 22, 1950.

Sabert

For Aluminum Drinking Tumblers.
Claims use since Mar. 1, 1950.

Ser. No. 602,236. Vitreous Steel Products Co., Cleveland, Ohio. Filed Aug. 13, 1950.

VITREO

Applicant claims ownership of Registration No. 190,584.
For Vitreous Enameled Metal Shower Bath Cabinets and Combination Top and Back Splashers for Covering Kitchen Equipment and Providing a Working Surface.
Claims use since Jan. 21, 1950.

Ser. No. 605,420. Illinois Tool Works, Chicago, Ill. Filed Oct. 25, 1950.

KEPS

For Preassembled Nuts and Washers.
Claims use since Oct. 17, 1950.

Ser. No. 611,537. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")

ROCKWELL

Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.
For Plug Valves, Pressure Regulating Valves, Flow Controlling Valves, and Valve Parts—Namely, Seats, Seat Rings, Disks, Disk Rings, Plugs, Wedges, Stems, Spindles, Bushings, Sleeves, Dashpots, Bolts, Studs, Nuts, Glands, Bodies, Bonnets and Cross Yokes; and Refrigerator Hardware—Namely, Latches, Hinges, Levers, Handles, Bumper Bars, Pods, Meat Rail Sockets, and Track Door Operators.
Claims use since Dec. 13, 1945.

Ser. No. 613,926. Lone Star Steel Company, Dallas, Tex. Filed May 16, 1951.

CEMSTAR LIN

For Cement Lined Cast Iron Pipe.
Claims use since Feb. 21, 1951.

Ser. No. 613,986. General Steel Warehouse Co., Inc., Chicago, Ill. Filed May 17, 1951.

GENSCO

Applicant claims ownership of Registration No. 371,713.
For Builders' Hardware Consisting of Hinges and Hinge Pins, Hinge Hasps, Safety Hasps, Corrugated Brackets, Flat-Round and Oval Head Steel Wood Screws, and Flat-Round and Oval Head Brass Wood Screws.
Claims use since Sept. 1, 1950.

Ser. No. 614,163. Rain Control Irrigation Company, Los Angeles, Calif. Filed May 21, 1951.

RAIN CONTROL

For Pipe Coupling.
Claims use since Dec. 1, 1949.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 606,100. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")

WESTINGHOUSE

Applicant claims ownership of Registrations Nos. 103,016, 103,017, and others.
For High Conductivity, Heat Resistant, Creep Resistant, Brazing, and Magnetic Alloys; Metal Welding Rods; Ferrous and Non-Ferrous Base Castings; Tool Steels; and Electric Contact Metals.
Claims use since June 1, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 561,020. The Kendall Refining Company, Bradford, Pa. Filed July 9, 1948. (Sec. 2f.)

The 2000 MILE OIL

For Lubricating Oils.
Claims use since October 1928.

Ser. No. 590,597. Humble Oil & Refining Company, Houston, Tex. Filed Jan. 10, 1950.

HUMBLE

The drawing is lined for the colors red and blue. Applicant claims ownership of Registrations Nos. 165,844, 166,460, and others.
For Refined, Semirefined, and Unrefined Oils Made From Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes, and Non-Galling Thread Lubricants.
Claims use since Jan. 20, 1934.

Ser. No. 604,895. Automobile Dealers Associates, Inc., Chicago, Ill. Filed Oct. 14, 1950.

ADA

For Motor Oil.
Claims use since Sept. 20, 1947.

Ser. No. 611,158. The Texas Company, Dover, Del., and New York, N. Y. Filed Mar. 10, 1951.

DIESEL CHIEF

The word "Diesel" is disclaimed. Applicant claims ownership of Registrations Nos. 300,073 and 308,574.
For Diesel Fuel.
Claims use since July 1, 1938.

Ser. No. 612,359. Sinclair Refining Company, New York, N. Y. Filed Apr. 6, 1951.

HYDRATORK

For Oil Used in Torque Converters To Lubricate the Same and Primarily To Transmit Power.
Claims use since Feb. 16, 1951.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 558,442. Arny Chemical Corporation, New York, N. Y. Filed June 4, 1948.

PROT-O-CEL

For Transparent, Liquid Finish for Wood Surfaces, in the Nature of a Varnish.
Claims use since Apr. 26, 1948.

Ser. No. 560,065. Tropical Paint Manufacturing Company, Inc., Tampa, Fla., now by change of name Tropco Paint, Inc., a corporation of Florida. Filed June 23, 1948.

TROPCO

For Inside and Outside Ready Mixed Paints.
Claims use since Mar. 15, 1948.

Ser. No. 564,037. Wilson-Imperial Company, Newark, N. J. Filed May 5, 1948. (Sec. 2f.)

WONDER-PASTE

The word "Paste" is disclaimed. Applicant claims ownership of Registration No. 153,953.
For Preparation for Removing Paint or Varnish From Surfaces Coated With Paint, Varnish, or Enamel.
Claims use since Jan. 1, 1911.

Ser. No. 588,316. National Lead Company, Sayreville, N. J., and New York, N. Y. Filed Nov. 25, 1949.

45X

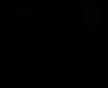
For Basic Silicate White Lead for Use in Paints.
Claims use since Sept. 25, 1947.

Ser. No. 592,124. Chicago Paints, Inc., Chicago, Ill. Filed Feb. 8, 1950.

CHICAGO CHIEF

The word "Chicago" is disclaimed.
For Ready Mixed Paints Sold in Liquid Form, Paint Enamel Sold in Liquid Form, Varnish, Shellac, Wood Stains, Varnish Stains, and Paint and Varnish Remover Sold in Liquid Form.
Claims use since Oct. 5, 1949.

Ser. No. 592,125. Chicago Paints, Inc., Chicago, Ill. Filed Feb. 8, 1950.



CHICAGO CHIEF

The words "Chicago Paints, Inc." and "Chicago" are disclaimed.
For Ready Mixed Paints Sold in Liquid Form, Paint Enamel Sold in Liquid Form, Varnish, Shellac, Wood Stains, Varnish Stains, and Paint and Varnish Remover Sold in Liquid Form.
Claims use since Oct. 5, 1949.

Ser. No. 592,126. Chicago Paints, Inc., Chicago, Ill. Filed Feb. 8, 1950.

PRAIRIE CHIEF

For Ready Mixed Paints Sold in Liquid Form, Paint Enamel Sold in Liquid Form, Varnish, Shellac, Wood Stains, Varnish Stains, and Paint and Varnish Remover Sold in Liquid Form.
Claims use since Oct. 5, 1949.

Ser. No. 592,127. Chicago Paints, Inc., Chicago, Ill. Filed Feb. 8, 1950.



PRAIRIE CHIEF

The words "Chicago Paints, Inc." are disclaimed.
For Ready Mixed Paints Sold in Liquid Form, Paint Enamel Sold in Liquid Form, Varnish, Shellac, Wood Stains, Varnish Stains, and Paint and Varnish Remover Sold in Liquid Form.
Claims use since Oct. 5, 1949.

Ser. No. 595,367. Dupli-Color Products Company, Inc., Chicago, Ill. Filed Apr. 7, 1950.

HOBBY

SHOP

Applicant claims ownership of Registration No. 440,555.
For Lacquers.
Claims use since Feb. 28, 1950.

Ser. No. 595,385. Atlantic Varnish and Paint Company, Incorporated, Richmond, Va. Filed Apr. 12, 1950.

Cavalier

For Ready Mixed Paints, Paste Paints, Paint Enamels, Varnishes, Varnish Stains, and Oil Stains.
Claims use since 1936.

Ser. No. 607,447. The Patterson-Sargent Company, Cleveland, Ohio. Filed Dec. 8, 1950.

GALBOND

For Ready-Mixed Paints.
Claims use since Nov. 8, 1950.

Ser. No. 611,670. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 22, 1951.



The words "Disinfecting Company" are disclaimed.
Applicant claims ownership of Registrations Nos. 257,156, 379,308, and others.
For Preservative in the Nature of a Varnish for Wood, Tile, Linoleum, and Magnasite Floors; Varnish Like Preparation for Finishing and Treating Floors.
Claims use since Dec. 1, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 591,389. Special Tobacco Co., Inc., Hillside, N. J., and New York, N. Y. Filed Jan. 27, 1950. (Sec. 2f.)



DUO-BLEND

For Cigarettes.
Claims use since May 1926.

Ser. No. 599,862. Cortez Cigar Co., Red Lion, Pa. Filed June 28, 1950. (Sec. 2f.)

CORTEZ

For Cigars.
Claims use since 1905.

Ser. No. 608,465. Phillip Morris & Co. Ltd., Incorporated, New York, N. Y. Filed Jan. 6, 1951.



The portrait is fanciful.
For Cigarettes.
Claims use since Feb. 14, 1945.

Ser. No. 610,959. Nathan Fleischner, doing business as Breathol Co., Nutley, N. J. Filed Mar. 7, 1951.

BREATHOL

For Tobacco Flavoring Ingredient, in Liquid Form.
Claims use since June 15, 1943.

Ser. No. 611,348. The Federal Cigar Company, Inc., Red Lion, Pa. Filed Mar. 15, 1951.

Bon-Ton

For Cigars.
Claims use since September 1933.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 573,294. Abbott Laboratories, North Chicago, Ill. Original filed, act of 1946, Supplemental Register, Feb. 4, 1949; amended to application, Principal Register, Feb. 24, 1950.

AEROCILÍN

Applicant claims ownership of Registration No. 416,885.
For Container Charged With a Medicament in Dry Comminuted Form for Administration by Inhalation in Certain Cases of Infection in the Upper and Lower Respiratory Tract.
Claims use since July 14, 1948.

Ser. No. 587,630. Fem-Gene Products Co., Phoenix, Ariz. Filed Nov. 10, 1949.



The syllable "Fem" is disclaimed.
For Antiseptic Cleansing and Deodorizing Douche Preparations.
Claims use since Nov. 1, 1949.

Ser. No. 594,210. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 18, 1950.

PARMANTHEME

Applicant claims ownership of Registration No. 357,717.
For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.
Claims use since Sept. 2, 1937.

Ser. No. 594,211. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 18, 1950.

SOLPROTEX

Applicant claims ownership of Registration No. 357,718.
For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.
Claims use since June 1, 1937.

Ser. No. 595,818. American Drug & Chemical Co., Minneapolis, Minn. Filed Apr. 17, 1950.

Chloro-Zol

The drawing is lined for shading only. Applicant claims ownership of Registration No. 248,555.
For Single Preparation in the Form of a White Powder Put Up in Colored Capsules, but Not Including White or Colorless Capsules, and Used as a Concentrated Germicide, Antiseptic, and Deodorant.
Claims use since May 27, 1925.

Ser. No. 596,459. Paul Thompson Associates, Stamford, Conn. Filed Apr. 27, 1950.

NU-TRIO

For Nutritional Preparation Containing Amino Acids and Vitamins.
Claims use since Jan. 12, 1950.

Ser. No. 597,887. Lepetit S. A., Milan, Italy. Filed May 22, 1950.

SINTOMICETINA

Applicant claims ownership of Italian Registration No. 92,952, dated Oct. 1, 1949.
For Antibiotic Product.

Ser. No. 597,888. Lepetit S. A., Milan, Italy. Filed May 22, 1950.

CLORFENICINA

Applicant claims ownership of Italian Registration No. 92,950, dated Oct. 1, 1949.
For Antibiotic Product.

Ser. No. 606,088. Schenley Laboratories, Inc., New York, N. Y. Filed Nov. 8, 1950.

CONFETES

Applicant claims ownership of Registration No. 508,498.
For Medicinal Preparation Containing Various Pharmaceutical Products, Including Penicillin, and Used for Treatment of Various Types of Infection Where Oral Therapy Is Indicated.
Claims use since Oct. 10, 1950.

Ser. No. 608,916. Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Filed Jan. 18, 1951.

'CODEMPIRAL'

Applicant claims ownership of Registrations Nos. 120,921, 512,613, and 530,042.
For Preparation for Use as a Sedative, Analgesic, and Antipyretic.
Claims use since Nov. 24, 1950.

Ser. No. 609,598. Frederick S. Malcolm, doing business as Bryn Mawr Laboratories, Bryn Mawr, Pa. Filed Feb. 3, 1951.

EFAMIN

For Anti-Allergy Preparation To Be Taken Internally in Tablet Form.
Claims use since Jan. 19, 1951.

Ser. No. 610,209. Foley & Company, Chicago, Ill. Filed Feb. 17, 1951.

FYTERS

For Antibiotic Anesthetic Capsules.
Claims use since July 10, 1941.

Ser. No. 610,351. Wyeth Incorporated, Philadelphia, Pa. Filed Feb. 20, 1951.

PRĒCURSONE

For Pregnenolone Acetate in Dosage Form.
Claims use since Jan. 25, 1951.

Ser. No. 610,414. The W. H. Comstock Company Limited, doing business under the trade name and style of The Catarrhozone Company, Montreal, Quebec, Canada, and Morristown, N. Y. Filed Feb. 23, 1951.

CATARRHOZONE

For Remedy for Colds, Coughs, Sore Throat, Hoarseness, Bronchitis, Grippe, Catarrh, Asthma, and Hay Fever.
Claims use since Sept. 21, 1899.

Ser. No. 610,467. Schering Corporation, Bloomfield, N. J. Filed Feb. 23, 1951.

POLYCORTAL

For Combination of Adrenal Hormones.
Claims use since Dec. 6, 1950.

Ser. No. 595,367. Dupli-Color Products Company, Inc., Chicago, Ill. Filed Apr. 7, 1950.

HOBBY

SHOP

Applicant claims ownership of Registration No. 440,555.
For Lacquers.
Claims use since Feb. 28, 1950.

Ser. No. 595,585. Atlantic Varnish and Paint Company, Incorporated, Richmond, Va. Filed Apr. 12, 1950.

Cavalier

For Ready Mixed Paints, Paste Paints, Paint Enamels, Varnishes, Varnish Stains, and Oil Stains.
Claims use since 1936.

Ser. No. 607,447. The Patterson-Sargent Company, Cleveland, Ohio. Filed Dec. 8, 1950.

GALBOND

For Ready-Mixed Paints.
Claims use since Nov. 8, 1950.

Ser. No. 611,670. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 22, 1951.



The words "Disinfecting Company" are disclaimed.
Applicant claims ownership of Registrations Nos. 257,156, 379,308, and others.
For Preservative in the Nature of a Varnish for Wood, Tile, Linoleum, and Magnasite Floors; Varnish Like Preparation for Finishing and Treating Floors.
Claims use since Dec. 1, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 591,589. Special Tobacco Co., Inc., Hillside, N. J., and New York, N. Y. Filed Jan. 27, 1950. (Sec. 2f.)



DUO-BLEND

For Cigarettes.
Claims use since May 1926.

Ser. No. 599,862. Cortez Cigar Co., Red Lion, Pa. Filed June 28, 1950. (Sec. 2f.)

CORTEZ

For Cigars.
Claims use since 1905.

Ser. No. 608,465. Phillip Morris & Co. Ltd., Incorporated, New York, N. Y. Filed Jan. 6, 1951.



The portrait is fanciful.
For Cigarettes.
Claims use since Feb. 14, 1945.

Ser. No. 610,959. Nathan Fleischner, doing business as Breathol Co., Nutley, N. J. Filed Mar. 7, 1951.

BREATHOL

For Tobacco Flavoring Ingredient, in Liquid Form.
Claims use since June 15, 1943.

Ser. No. 611,348. The Federal Cigar Company, Inc., Red Lion, Pa. Filed Mar. 15, 1951.

Bon-Ton

For Cigars.
Claims use since September 1933.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 573,294. Abbott Laboratories, North Chicago, Ill. Original filed, act of 1946, Supplemental Register, Feb. 4, 1949; amended to application, Principal Register, Feb. 24, 1950.

AEROCILÍN

Applicant claims ownership of Registration No. 416,885.
For Container Charged With a Medicament in Dry Comminuted Form for Administration by Inhalation in Certain Cases of Infection in the Upper and Lower Respiratory Tract.
Claims use since July 14, 1948.

Ser. No. 587,630. Fem-Gene Products Co., Phoenix, Ariz. Filed Nov. 10, 1949.



The syllable "Fem" is disclaimed.
For Antiseptic Cleansing and Deodorizing Douche Preparations.
Claims use since Nov. 1, 1949.

Ser. No. 594,210. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 18, 1950.

PARMANTHEME

Applicant claims ownership of Registration No. 357,717.
For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.
Claims use since Sept. 2, 1937.

Ser. No. 594,211. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 18, 1950.

SOLPROTEX

Applicant claims ownership of Registration No. 357,718.
For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.
Claims use since June 1, 1937.

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Ser. No. 606,088. Schenley Laboratories, Inc., New York, N. Y. Filed Nov. 8, 1950.

CONFETES

Applicant claims ownership of Registration No. 508,498.
For Medicinal Preparation Containing Various Pharmaceutical Products, Including Penicillin, and Used for Treatment of Various Types of Infection Where Oral Therapy Is Indicated.
Claims use since Oct. 10, 1950.

Ser. No. 608,916. Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Filed Jan. 18, 1951.

'CODEMPIRAL'

Applicant claims ownership of Registrations Nos. 120,921, 512,613, and 530,042.
For Preparation for Use as a Sedative, Analgesic, and Antipyretic.
Claims use since Nov. 24, 1950.

Ser. No. 609,598. Frederick S. Malcolm, doing business as Bryn Mawr Laboratories, Bryn Mawr, Pa. Filed Feb. 3, 1951.

EFAMIN

For Anti-Allergy Preparation To Be Taken Internally in Tablet Form.
Claims use since Jan. 19, 1951.

Ser. No. 610,209. Foley & Company, Chicago, Ill. Filed Feb. 17, 1951.

FYTERS

For Antibiotic Anesthetic Capsules.
Claims use since July 10, 1941.

Ser. No. 610,351. Wyeth Incorporated, Philadelphia, Pa. Filed Feb. 20, 1951.

PRĒCURSONE

For Pregnenolone Acetate in Dosage Form.
Claims use since Jan. 23, 1951.

Ser. No. 610,414. The W. H. Comstock Company Limited, doing business under the trade name and style of The Catarrhozone Company, Montreal, Quebec, Canada, and Morristown, N. Y. Filed Feb. 23, 1951.

CATARRHOZONE

For Remedy for Colds, Coughs, Sore Throat, Hoarseness, Bronchitis, Grippe, Catarrh, Asthma, and Hay Fever.
Claims use since Sept. 21, 1899.

Ser. No. 610,467. Schering Corporation, Bloomfield, N. J. Filed Feb. 23, 1951.

POLYCORTAL

For Combination of Adrenal Hormones.
Claims use since Dec. 6, 1950.

Ser. No. 610,609. Barker, Moore & Mein Company, Philadelphia, Pa. Filed Feb. 28, 1951.

BAR-VERM

For Vermifuge for Removal of Large Roundworms and Cecal Worms in Chickens and Turkeys of All Ages.
Claims use since Oct. 18, 1950.

Ser. No. 610,610. Barker, Moore & Mein Company, Philadelphia, Pa. Filed Feb. 28, 1951.

BAR-VITE

For Vitamin Supplement for Poultry Mashes.
Claims use since Sept. 22, 1950.

Ser. No. 610,640. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Feb. 28, 1951.

ORLANEX

For Analgesic.
Claims use since Oct. 4, 1950.

Ser. No. 610,641. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Feb. 28, 1951.

QUOTANE

For Anesthetic.
Claims use since Nov. 1, 1950.

Ser. No. 612,113. B. F. Ascher & Company, Inc., Kansas City, Mo. Filed Apr. 2, 1951.

TWIN-BARB

For Medicinal Preparation Consisting of Pentobarbital Sodium and Phenobarbital for Use as a Sedative.
Claims use since Sept. 27, 1950.

Ser. No. 612,187. The Upjohn Company, Kalamazoo, Mich. Filed Apr. 3, 1951.

Repo

Applicant claims ownership of Registration No. 515,760.
For Repository Medicinal Preparation for the Treatment of Bacterial Infections.
Claims use since Jan. 12, 1951.

Ser. No. 612,244. Chicago Pharmacal Company, Chicago, Ill. Filed Apr. 5, 1951.

Zelvet

For Preparation Used in the Treatment of Chafing, Roughness of Skin, Chapped Hands or Lips and Mild Sunburn.
Claims use since June 18, 1946.

Ser. No. 612,275. R. & G. Robinson, Visalia, Calif. Filed Apr. 5, 1951.

7-11

For Liniment for Relief of Rheumatic Ailments.
Claims use since Nov. 27, 1950.

Ser. No. 612,337. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 6, 1951.

KHELISEM

For Pharmaceutical Preparation Indicated for the Treatment of Hypertension.
Claims use since Mar. 9, 1951.

Ser. No. 612,338. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 6, 1951.

LUMBRICIDE

For Pharmaceutical Preparation Having Vermicidal Action.
Claims use since Sept. 21, 1938.

Ser. No. 612,339. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 6, 1951.

MORUSAN

For Pharmaceutical Preparation Useful for the Treatment of Burns, Cuts, and Skin Irritations.
Claims use since Nov. 20, 1950.

Ser. No. 612,340. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 6, 1951.

MORUTOIN

For Pharmaceutical Ointment Preparation Containing the Cod-Liver Oil Vitamins and Allantoin as Stimulants to the Healing of Wounds, Burns, and Surface Injuries.
Claims use since Dec. 30, 1942.

Ser. No. 612,341. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 6, 1951.

OBEDRIN

For Pharmaceutical Preparation Indicated for the Treatment of Obesity.
Claims use since Jan. 22, 1951.

Ser. No. 612,476. Warner-Hudnut, Inc., New York, N. Y. Filed Apr. 10, 1951.

STIGMONENE

For Drug Having Physostigmine Action.
Claims use since Feb. 21, 1951.

Ser. No. 612,511. Schenley Laboratories, Inc., New York, N. Y. Filed Apr. 11, 1951.

QUINASPIN

For Compound Used in Relief of Head Colds.
Claims use since Jan. 26, 1951.

Ser. No. 612,546. Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Filed Apr. 12, 1951.

ZINAX

For Pharmaceutical Preparation for Use in the Treatment of Burns and Lesions Consisting of Partially Hydrolyzed Casein Gel; Metal Salt Impregnated Gauze for Use in Conjunction With Partially Hydrolyzed Casein Gel in the Treatment of Burns and Lesions; and a Burn Treatment Unit Package Containing Partially Hydrolyzed Casein Gel and Metal Salt Impregnated Gauze for Conjunctive Use.
Claims use since Mar. 1, 1951.

CLASS 19

VEHICLES

Ser. No. 482,513. Willys-Overland Motors, Inc., Toledo, Ohio. Original filed, act of 1905, Apr. 23, 1945; amended to application under act of 1946, Principal Register, Feb. 21, 1950. (Sec. 2f as to "Jeep.")

JEEP BUGGY

The word "Buggy" is disclaimed. Applicant claims ownership of Registration No. 526,175.
For Automotive Vehicles and Structural Parts Thereof.
Claims use since Mar. 23, 1945.

Ser. No. 612,203. Harrison Wholesale Company, Chicago, Ill. Filed Apr. 4, 1951.

Sun Valley

For Removable Automobile Seat Covers.
Claims use since Mar. 13, 1951.

Ser. No. 612,301. Buch Manufacturing Company, Elizabethtown, Pa. Filed Apr. 6, 1951.



For Wheelbarrows.
Claims use since January 1951.

Ser. No. 612,304. Buch Manufacturing Company, Elizabethtown, Pa. Filed Apr. 6, 1951.

"WHIZ"

For Wheelbarrows.
Claims use since December 1950.

Ser. No. 612,305. Buch Manufacturing Company, Elizabethtown, Pa. Filed Apr. 6, 1951.

"Zip"

For Wheelbarrows.
Claims use sincee January 1951.

Ser. No. 612,342. James M. Moran, doing business as Jetliner Sales Company, Chicago, Ill. Filed Apr. 6, 1951.

Jet Liner

For Automobiles.
Claims use since Feb. 15, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 520,286. McGraw Electric Company, Chicago, Ill., by merger with Line Material Company. Original filed, act of 1905, Apr. 7, 1947; amended to application under act of 1946, Principal Register, July 5, 1947.

SPHEROLITE

For Electric Lighting Luminaires.
Claims use since Apr. 29, 1938.

Ser. No. 527,209. Metals & Controls Corporation, Attleboro, Mass., assignee of Spencer Thermostat Company. Filed July 5, 1947. (Sec. 2f.)

THERMO-SNAP

Applicant claims ownership of Registration No. 202,169.
For Electric Switches.
Claims use since Aug. 6, 1924.

Ser. No. 572,895. El-Tronics, Inc., Philadelphia, Pa. Filed Jan. 27, 1949.

El-Tronics

For Capacity Operated Burglar and Fire Alarm Systems of the Electrical, Audible Type; Electronic Burglar Alarm Systems; Public Address Systems Used to Transmit Two Way Messages Over Wires by Means of Audio Signals or Modulated Carrier Currents for the Purpose of Communication Between Two or More Points; Audio Frequency Amplifiers; Carrier Turn Controls Mainly for Remotely Controlling Mechanical Operations, for Example Overhead Moving Cranes; Electric Current Convertors; Public Address Systems for the Reproduction of Voice and Music Through Loudspeakers; Telegraph Transmitting Equipment Used for the Purpose of Communicating Between Airport Control Towers and Aircraft; Transmitting Equipment Used for the Purpose of Communicating Between Fixed or Variable Points—Namely, Transmitters and Receivers for Two-Way Communication Between Station and Police Car.
Claims use since Sept. 8, 1947.

Ser. No. 582,366. Veg-A-Peel Co., Algonac, Mich. Filed July 22, 1949.

VEG-A-PEEL

The word "Peel" is disclaimed.
For Portable Electrically Operated Vegetable Peelers.
Claims use since Oct. 2, 1947.

Ser. No. 591,869. Servomechanisms, Inc., Mineola, N. Y. Filed Feb. 2, 1950.

mecha

For Servomechanism Devices and Electrical Devices—Namely, Modulators, Amplifiers, Process Programmers, Electric Motors, Electric Motor and Gear Train Combinations, Electromagnetic Vibrators for Interrupting Electric Circuits, Potential Varying Devices for Servo Meters, Transducers for Generating Electrical Signals in Response to Pressure Changes or Mechanical Movement and Vice Versa, Electronic Power Supply Apparatus and Terminal Strips.
Claims use since Dec. 1, 1949.

Ser. No. 602,915. Signal-Stat Corporation, Brooklyn, N. Y. Filed Aug. 29, 1950.

SIGSTAT

Applicant claims ownership of Registration No. 366,340.
For Vehicle Directional Signalling Devices, Including Indicator Lamps and Switches for Activating the Same.
Claims use since Aug. 23, 1950.

Ser. No. 605,669. Charles A. Navien, New York, N. Y. Filed Oct. 31, 1950.

TRADER HORN

For Radio Receiving Sets, Television Receiving Sets, Electric Fans, and Electric Hand Irons.
Claims use since May 8, 1950.

Ser. No. 611,558. C & D Batteries, Inc., Conshohocken, Pa. Filed Mar. 20, 1951.

Slyver-Clad

The word "Clad" is disclaimed.
For Storage Batteries.
Claims use since Mar. 2, 1949.

Ser. No. 614,009. The Radio Craftsmen, Inc., Chicago, Ill. Filed May 17, 1951.

craftsmen

For Television Receivers, Radio Receivers, and Audio Amplifiers.
Claims use since Aug. 27, 1949.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 604,702. Carl W. O'Neil, Chicago, Ill. Filed Oct. 10, 1950.

Cop-Cycle

The word "Cycle" is disclaimed.
For Child's Tricycle.
Claims use since Jan. 10, 1950.

Ser. No. 605,653. John Fujita, Watsonville, Calif. Filed Oct. 31, 1950.

NO-NAME

For Artificial Fish Lures.
Claims use since Sept. 12, 1950.

Ser. No. 607,592. Invention Sales Company, Lovelock, Nev., and Chicago, Ill. Filed Dec. 12, 1950.

VARIETTES

For Toy Building Blocks.
Claims use since Dec. 8, 1950.

Ser. No. 616,345. The United States Playing Card Company, Cincinnati, Ohio. Filed July 11, 1951. (Sec. 2f.)

ARDEN

For Playing Cards.
Claims use since 1932.

Ser. No. 616,346. The United States Playing Card Company, Cincinnati, Ohio. Filed July 11, 1951. (Sec. 2f.)

Avon

For Playing Cards.
Claims use since Dec. 29, 1931.

Ser. No. 616,347. The United States Playing Card Company, Cincinnati, Ohio. Filed July 11, 1951. (Sec. 2f.)

GLADSTONE

For Playing Cards.
Claims use since Mar. 28, 1932.

Ser. No. 616,348. The United States Playing Card Company, Cincinnati, Ohio. Filed July 11, 1951. (Sec. 2f.)

HAMILTON

For Playing Cards.
Claims use since Mar. 29, 1932.

Ser. No. 616,670. Romayne E. Huffman, Carroll, Iowa. Filed July 19, 1951.

TIP-OFF

For Game Played With Playing Cards.
Claims use since June 1, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 565,940. Kiekhaefer Corporation, Cedarburg, Wis. Filed Sept. 27, 1948.

"Rocket"

For Outboard Motors and Parts Thereof.
Claims use since May 8, 1941.

Ser. No. 571,179. Spengler-Loomis Manufacturing Company, doing business as Automatic Pencil Sharpener Co., Rockford, Ill. Filed Dec. 27, 1948. (Sec. 2f.)

AUTOMATIC

For Pencil Sharpeners and Parts Therefor.
Claims use since 1907.

Ser. No. 579,214. Red Devil Tools, Irvington, N. J. Filed May 20, 1949.



The mark consists of a black-colored tip on the free end of the handle of the tools named. The drawing is lined for the color black. The representation of the glass cutter is disclaimed.
For Wood Scrapers, Wall Scrapers, Putty Knives, Glass Cutters.
Claims use since Feb. 1, 1900.

Ser. No. 586,486. Illinois Tool Works, Chicago, Ill. Filed Oct. 18, 1949. (Sec. 2f.)

SHAKEPROOF

Applicant claims ownership of Registrations Nos. 167,320, 232,805, and 514,706.
For Power Screw Drivers and Gears Stamped From Sheet Metal Stock.
Claims use since April 1934.

Ser. No. 591,408. Devlieg Machine Company, Ferndale, Detroit, Mich. Filed Jan. 25, 1950. (Sec. 2f.)

JIGMIL

For Machine Tools and Parts Thereof—Namely, Precision Boring and Milling Machines and Tools.
Claims use since November 1941.

Ser. No. 598,623. American Hollow Boring Company, Erie, Pa. Filed June 6, 1950.

HOLL-O-TORQ

For Drill Collars.
Claims use since Jan. 30, 1950.

Ser. No. 601,529. American Brake Shoe Company, New York, N. Y. Filed Aug. 1, 1950.

Ramapo Ajax

Applicant claims ownership of Registrations Nos. 434,630, 505,811, 506,411, and 509,229.
For Rail Switches, Switch Stands, Switch Point Locks, and Rail Lubricators of the Railroad Rail and Wheel Flange Lubricating Type.
Claims use since June 28, 1950.

Ser. No. 601,784. General Motors Corporation, Detroit, Mich. Filed Aug. 5, 1950.

POWERGLIDE

For Complete Power Transmission Units for Motor Vehicles and Parts Thereof, Including Transmission Housings, Shafts, Universal Joints, Gears, Gear Shift Couplings, and Hand Operated Gear Shift Selector Levers.
Claims use since Dec. 20, 1949.

Ser. No. 608,082. Harper J. Ransburg Co., Inc., Indianapolis, Ind. Filed Dec. 26, 1950.

KITCHEN BOUQUET

The word "Kitchen" is disclaimed.
For Combination Bottle Opener and Bottle Cap Receiver.
Claims use since Jan. 13, 1949.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 533,077. J. W. Steele & Co., North Kansas City, Mo. Filed Sept. 2, 1947. (Sec. 2f.)

Snap-Tite

For Garment Ironing Accessory—Namely, a Metal Clamp for Holding and Securing Cover Cloths to Ironing Boards.
Claims use since Jan. 1, 1932.

Ser. No. 606,103. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")

Applicant claims ownership of Registrations Nos. 103,016, 103,017, and others.
For Electric Ironing Machines and Parts Therefor; Laundry Washing Machines and Parts Therefor; and Clothes Dryers and Parts Therefor.
Claims use since June 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 579,522. Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Filed May 25, 1949.

E-Z FILL

The word "Fill" is disclaimed.
For Oil, Liquid, and Fuel Measuring and Dispensing Pumps.
Claims use since Dec. 17, 1948.

Ser. No. 602,829. Bert Friedberg, doing business under the firm name and style of Bert Friedberg & Co., San Francisco, Calif. Filed Aug. 28, 1950.

CHAUMONT

For Binoculars, Field Glasses, and Opera or Theater Glasses.
Claims use since Nov. 20, 1939.

Ser. No. 602,831. Bert Friedberg, doing business under the firm name and style of Bert Friedberg & Co., San Francisco, Calif. Filed Aug. 28, 1950.

SKYLINE

For Binoculars, Field Glasses, and Opera or Theater Glasses.
Claims use since May 26, 1950.

Ser. No. 617,173. Willson Products, Inc., Reading, Pa. Filed July 31, 1951.

WP

For Ophthalmic and Protection Lenses.
Claims use since June 29, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 593,178. Alexander Kaatz, doing business as Boston Clock Service, Boston, Mass. Filed Feb. 28, 1950.

Moderntime

For Clocks and Watches.
Claims use since May 1, 1948.

Ser. No. 596,436. Omega Louis Brandt & Frere, S. A., Biel, Switzerland. Filed Apr. 27, 1950.

SEAMASTER

For Watches, Watch Parts, and Watch Movements.
Claims use since Mar. 25, 1949; and first used in commerce between Switzerland and the United States on Mar. 25, 1949.

Ser. No. 598,771. Zell Bros., Portland, Oreg. Filed June 7, 1950.

Duo-Matic

For Watches.
Claims use since June 12, 1946.

Ser. No. 603,309. Rodana A. G., Grenchen, Switzerland. Filed Sept. 8, 1950.

RODOS

Applicant claims ownership of Swiss Registration No. 124,818, dated April 29, 1948.
For Watches, Clocks, Watch Movements, Watch Dials, Watch Bridges, and Watch Ratchet Wheels.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 571,902. Sol Goldfeder, New York, N. Y. Filed Jan. 10, 1949.

UNIVERSAL SILVER LTD.

The word "Silver" is disclaimed.
For Sterling Silver and Silver Plated Flat-Ware and Hollow-Ware—Namely, Candelabra, Trays, Water Pitchers, Champagne Buckets, Vegetable Platters, Combination Platters, Lazy Susans, Punch Bowls and Cups, Tea Sets, Sugar and Creamers, Tea Kettles, and Gravy Bowls.
Claims use since May 1, 1948.

Ser. No. 582,387. Perry Novelty Company, Providence, R. I. Filed June 1, 1949. (Sec. 2f.)

harper

Applicant claims ownership of Registration No. 421,271.
For Ladies' Costume Jewelry—Namely, Necklaces, Ornamental Pins, Lapel Pins, Ear Rings, Bracelets, and Finger Rings Which Are Made of Brass, Sterling Silver, and Gold Filled Stock.
Claims use since April 1944.

Ser. No. 583,891. Ina Schoncite, Los Angeles, Calif. Filed Aug. 23, 1949.

ADD-A-TAG

The word "Tag" is disclaimed.
For Jewelry for Personal Wear, Not Including Watches—namely, Charms, Bracelets, and Anklets.
Claims use since June 1, 1949.

Ser. No. 590,766. Trabert & Hoeffer Inc., New York, N. Y. Filed Jan. 12, 1950.

Star of Muzo

The word "Muzo" is disclaimed. Applicant claims ownership of Registrations Nos. 341,680, 343,688, and others.
For Emeralds and Precious Stones.
Claims use since Dec. 6, 1949.

Ser. No. 591,090. Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Filed Jan. 19, 1950.

GOLDEN BAMBOO

The word "Golden" is disclaimed.
For Watch Bands, Cuff Links, and Tie Bars Made in Part of or Plated With Precious Metal.
Claims use since Dec. 9, 1949.

Ser. No. 596,667. Imperial Pearl Syndicate, Inc., Chicago, Ill. Filed May 1, 1950.

SCULPTURED PEARLS Imperial

The word "Pearls" is disclaimed. Applicant claims ownership of Registrations Nos. 404,912, 290,417, and 500,280.
For Simulated Pearls and Simulated Pearl Jewelry for Personal Wear—Namely, Necklaces, Bracelets, Earrings, Clasps, Studs, Scarf Pins, and Finger Rings.
Claims use since July 1949.

Ser. No. 601,113. A. Micallef & Co., Inc., Providence, R. I. Filed July 22, 1950.

Fashionette

For Jewelry for Personal Wear, Not Including Watches—Namely, Neck Chains, Brooches, Lockets, Necklaces, Earrings, Ornamental Pins, Chatelaines, and Bracelets, Other Than Watch Bracelets, All Made of or Plated With Precious Metals.
Claims use since July 10, 1950.

Ser. No. 601,264. Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Filed July 26, 1950.

YOUR SIGNET

For Wrist Watch Bands.
Claims use since June 21, 1950.

Ser. No. 609,688. Manco Watch Strap Co., Inc., New York, N. Y. Filed Feb. 6, 1951.

Applicant claims ownership of Registrations Nos. 380,817 and 533,710.
For Watch Bands Made of Silver, Gold, Gold-Filled, Brass, Stainless Steel, Chrome, Nickel, and Nickel-Silver.
Claims use since March 1943.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 608,010. Joseph Lieberman & Sons, Inc., Philadelphia, Pa. Filed Dec. 22, 1950.

LIEBCO

For Brushes—Namely, Paint Brushes, Varnish Brushes, Paste Brushes, Smoothing Brushes, Stucco Brushes, Kalsomine and Whitewash Brushes, Paperhangers' Paste Brushes and Smoothing Brushes, Plasterers' Brushes or Skimmers, Radiator Brushes, Extension Brushes, Stencil Brushes, Billposting Brushes, Glue Brushes, Dusting Brushes, Stippling Brushes.
Claims use since 1942.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 590,553. B. H. Karmen, doing business under the name Palm Springs Ceramics, Banning, Calif. Filed Jan. 9, 1950.

Canasta

For Chinaware and Earthenware—Namely, Mugs, Plates, and Planters.
Claims use since December 5, 1949.

Ser. No. 599,524. National Silver Company, New York, N. Y. Filed June 21, 1950.

SERVETTE

For Ceramic Dinnerware.
Claims use since Mar. 2, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 612,615. F. R. Hormann & Co., Inc., Newark, N. J. Filed Apr. 13, 1951.

SANITYPE

For Plate and Frame Filtering Apparatus for Filtering Pharmaceutical, Medicinal, and Other Liquids and Solutions.
Claims use since February 1948.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 596,647. Baseline Mfg. Corp., Washington, D. C. Filed May 1, 1950.

Baseline

For Space Heating Radiators and Closures Therefor.
Claims use since September 1948.

Ser. No. 598,070. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed May 25, 1950.

VENTUBE

Applicant claims ownership of Registrations Nos. 154,015 and 278,684.
For Rubberized or Plastic-Coated or Impregnated Fabric in the Form of Flexible Tubing To Be Used for Ventilation.
Claims use since Apr. 21, 1921.

Ser. No. 603,984. Caloric Stove Corporation, Philadelphia, Pa. Filed Sept. 26, 1950.

CONSERVATOR

Applicant claims ownership of Registration No. 402,077.
For Solid Fuel Cooking and Heating Stoves and Ranges.
Claims use since Nov. 23, 1942.

Ser. No. 607,080. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Nov. 29, 1950.

JACK FURNACE

The word "Furnace" is disclaimed.
For Rapid Heating Furnaces.
Claims use since November 1939.

Ser. No. 608,048. Star Metal Manufacturing Co., Inc., Philadelphia, Pa. Filed Dec. 23, 1950.

SAV-O-MATIC

For Coffee Brewing Urns and Parts Thereof.
Claims use since June 5, 1950.

Ser. No. 615,626. Clayton & Lambert Manufacturing Company, Louisville, Ky. Filed June 25, 1951.



Applicant claims ownership of Registration No. 252,593.
For Blowtorches and Firepots.
Claims use since Apr. 1, 1928.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 611,752. Avica Corporation, Portsmouth, R. I. Filed Mar. 26, 1951.

AVICA

Applicant claims ownership of Registration No. 544,777.
For Flexible Hose Assemblies, Comprising Hose and Flexible Pipe With Associated Fittings for All Aviation and Industrial Applications.
Claims use since February 1950.

Ser. No. 612,086. Raybestos-Manhattan, Inc., Passaic, N. J. Filed Mar. 31, 1951. (Sec. 2f.)

KEY-LOK

Applicant claims ownership of Registration No. 506,594.
For Brake Linings and Brake Blocks.
Claims use since March 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 571,812. Gebr. Laubscher & Co. Aktiengesellschaft, Tauffelen, Switzerland. Filed Jan. 7, 1949.

UNICA

Applicant claims ownership of Swiss Registration No. 126,601, dated Aug. 28, 1948.
For Needles for Talking Machines and Sound Reproduction Instruments.
Claims use since Jan. 1, 1930, in Switzerland; and in commerce between Switzerland and the United States since Nov. 1, 1935.

Ser. No. 589,754. Winter & Company, Inc., New York, N. Y. Filed Dec. 21, 1949. (Sec. 2f.)

MENDELSSOHN

For Pianos.
Claims use since Jan. 1, 1894.

CLASS 37

PAPER AND STATIONERY

Ser. No. 546,215. Fort Howard Paper Company, Green Bay, Wis. Filed Jan. 5, 1948.

RECESS

Applicant claims ownership of Registration No. 247,803.
For Toilet Paper.
Claims use since Apr. 6, 1926.

Ser. No. 577,205. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed Apr. 15, 1949.

MIRRIWEB

For B-1 Converting Paper.
Claims use since Jan. 7, 1949.

Ser. No. 587,455. Acme Visible Records, Inc., Chicago, Ill. Filed Nov. 8, 1949. (Sec. 2f.)

VERI-VISIBLE

Applicant claims ownership of Registrations Nos. 415,730, 416,070, and others.
For Visible Record Cards, Index Cards, and Dividers and Signals for Card Indexes.
Claims use since Mar. 14, 1944.

Ser. No. 593,007. Louis E. Minkin, Los Angeles, Calif. Filed Feb. 24, 1950.

BanCeK

The word "Banchex" is disclaimed.
For Folders, Comprising Blank Checks and Denomination Stamps for Use in Banking Activities.
Claims use since Oct. 1, 1949.

Ser. No. 606,971. Edward V. Dinneen, Chicago, Ill. Filed Nov. 27, 1950.

ARCHETYPE

For Partially Printed Data Card Used Particularly for Recording Data Pertaining to Accidents for Use in Connection With Insurance Claims.
Claims use since Nov. 20, 1950.

CLASS 39

CLOTHING

Ser. No. 542,515. Bettersox Knitting Mills, Fort Atkinson, Wis. Filed Nov. 28, 1947. (Sec. 2f.)

Bettersox

For Men's and Women's Hosiery.
Claims use since Jan. 1, 1918.

Ser. No. 544,740. Kelley-How-Thomson Co., Duluth, Minn. Filed Dec. 18, 1947.

SPORTLAND

Applicant claims ownership of Registration No. 334,315.
For Sports Clothing—Namely, Men's Hunting Coats, Hunting Pants (Breeches), Hunting Vests, Hunting Caps and Hats, Rubberized Parkas and Rubberized Two-Piece Suits, Fishermen's Shirts, and Hunting Shirts.
Claims use since Aug. 18, 1933.

Ser. No. 545,245. L. W. Foster Sportswear Co., Inc., Philadelphia, Pa. Filed Dec. 23, 1947.

CROS-ZIP

For Men's and Women's Sport Shirts and Sport Jackets.
Claims use since November 1947.

Ser. No. 545,501. The Marlan Company, Philadelphia, Pa. Filed Dec. 26, 1947.

His Nibs

For Boys' and Youths' Sport and Dress Shirts and Pajamas.
Claims use since Mar. 10, 1944.

Ser. No. 547,391. Schloss Bros. & Co. Inc., Baltimore, Md. Filed Sept. 22, 1947. (Sec. 2f.)

"Sheerweve"

Applicant claims ownership of Registration No. 391,342.
For Men's and Young Men's and Boys' Suits, Coats, Trousers, Sport Coats, Sport Jackets, Sport Trousers, and Sport Slacks, and Boys' Knee Pants.
Claims use since Aug. 26, 1940.

Ser. No. 548,728. Goodman & Suss Clothes Corporation, New York, N. Y. Filed Feb. 4, 1948.

DUOPLY

For Men's and Young Men's Coats, Vests, Trousers, and Overcoats.
Claims use since Oct. 9, 1926.

Ser. No. 559,546. M. H. Raab-Meyerhoff Co., Inc., Philadelphia, Pa. Filed June 17, 1948.



The words "Authentic Fashion" are disclaimed. The lining on the drawing does not indicate color.
For Dress Shirts and Collars, and Combinations Thereof.
Claims use since May 15, 1947.

Ser. No. 560,559. Norman Hartnell, Limited, London, England. Filed July 1, 1948. (Sec. 2f.)

Hartnell

For Women's Dresses, Evening Gowns, Coats, Suits, and Furs.
Claims use since Mar. 8, 1935; and first used in commerce between foreign nations and the United States on June 21, 1935.

Ser. No. 565,946. Marinette Knitting Mills, Marinette, Wis. Filed Sept. 27, 1948.

Brittany Club

The word "Brittany" is disclaimed. Applicant claims ownership of Registration No. 378,385.
For Ladies' and Girls' Suits and Sweaters, and Ladies' and Misses' Dresses, Skirts, Sweaters, Slacks, and Jackets.
Claims use since August 1938.

Ser. No. 569,113. Albert H. Weinbrenner Co., Milwaukee, Wis. Filed Nov. 19, 1948.

Albert H. Weinbrenner Co.

"Albert H. Weinbrenner" is the name of a deceased official of applicant. The abbreviation "Co." is disclaimed.
For Shoes Made Principally of Leather for Men, Boys, Girls, and Infants.
Claims use since 1898; and since 1910 in the style submitted.

Ser. No. 581,863. Catalina Inc., Los Angeles, Calif. Filed July 13, 1949.

"PAL"
A Warm Companion

Applicant claims ownership of Registration No. 242,701.
For Bathing Suits.
Claims use since Dec. 5, 1923.

Ser. No. 583,350. Bert Lange, trading under the name Timber Tie Company, Randolph, Vt. Filed Aug. 11, 1949.

TIMBER TIES

The word "Ties" is disclaimed.
For Bow Necktie Made of Wood or Similar Material.
Claims use since Apr. 28, 1949.

Ser. No. 584,717. Ely & Walker Dry Goods Company, St. Louis, Mo. Filed Sept. 12, 1949.

BIG HORN

For Men's and Boys' Dress and Work Shirts.
Claims use since July 26, 1949.

Ser. No. 585,083. Society Brand Clothes, Inc., Chicago, Ill. Filed Sept. 20, 1949.

LOFTI LITE

For Men's Suits.
Claims use since Jan. 27, 1949.

Ser. No. 585,744. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed Oct. 4, 1949.

MALL

Applicant claims ownership of Registration No. 258,754.
For Outer Shirts for Men.
Claims use since Sept. 1, 1923.

Ser. No. 586,310. Pretty Products, Inc., Coshocton, Ohio. Filed Oct. 14, 1949.

Sea Siren

For Bathing Caps Which Are Made of Rubber or Rubber-Like Material.
Claims use since Jan. 7, 1948.

Ser. No. 586,743. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif. Filed Oct. 24, 1949. (Sec. 2f as to "The Emporium.")

The Big E

For Fabric Anklets, Aprons, Infants' Bands; Bathing Apparel and Accessories—Namely, Swimming Trunks and Bathing Suits; Belts, Bibs, Brassières, Blouses, Booties, Brunch and Housecoats, Breeches, Jodhpurs, Boots, Shower and Make-Up Caps, Fireproof and Waterproof Clothing, Collars and Cuffs, Corsets, Shoes, Cushion Insoles, Heel Pads, Culottes, Halters, Sneakers, Coats; Cowboy Apparel—Namely, Chaparejos, Shirts, Hats, Neckerchiefs and Boots; Diapers, Diaper Covers, Diaper Panties, Dickeys, Dresses, Stocking Feet, Foundation Garments, Fur Garments, Galoshes, Rubbers, Garters, Garter-Belts, Girdles, Gloves, Grippers To Be Attached to Shoes, Gowns, Handkerchiefs, Hats, Hat Bodies, Heel Cushions or Linings, Heels and Soles, Hosiery, Insoles for Shoes, Jabots, Jackets, Jumpers, Knee Warmers, Mittens, Muffs and Mufflers, Neckties, Hair Nets, Overalls, Jeans, Coveralls, Panties, Pants, Play Suits, Pajamas, Petticoats, Slips, Raincoats, Scarfs, Shirts, Skirts, Shorts, Slacks, Smocks, Shawls, Stepins, Snowsuits, Stocking Protectors, Stoles, Suspenders, Sweaters, Suits, Turbans, Tuxedos, Underwear, Uniforms, Shoe Welting, Wraps for Men, Women, Boys, Girls and Infants.
Claims use since May 25, 1949, as to the mark shown; and since August 1896 as to the words "The Emporium."

Ser. No. 587,069. Barenfeld Shirt Manufacturing Co., Los Angeles, Calif. Filed Oct. 31, 1949.

wash-tru



The word "Wash" and the slogan "It's Really Washable" are disclaimed.
For Men's Sport Shirts Made From Cotton, Rayon, and Wool Fabrics or a Combination Thereof.
Claims use since Sept. 12, 1949.

Ser. No. 594,903. Jac-Sher Woolen Co., Minneapolis, Minn. Filed Mar. 30, 1950.

TRAIL BLAZER

The word "Blazer" is disclaimed.
For Men's, Women's and Boys' Hunting Garments and Outer Wear—Namely, Coats, Jackets, Pants, and Wool Shirts.
Claims use since Feb. 10, 1950.

Ser. No. 596,102. Levy-Theisen, Inc., New York, N. Y. Filed Apr. 21, 1950.

JEWEL TONE

The word "Tone" is disclaimed. The drawing is lined for shading purposes only.
For Fur Coats, Fur Jackets, and Fur Capes.
Claims use since Dec. 5, 1949.

Ser. No. 596,785. Etablissements Dupré, Romilly-sur-Seine, France. Filed May 3, 1950.

SEDANGOR

Applicant claims ownership of French Reg. No. 450,522, dated May 3, 1949.
For Hosiery—Namely, Stockings, Half-Stockings, Socks, Half Socks, Anklets, Garters, Under-Stockings, and Stocking Protectors for Men, Women, and Children.
Claims use since Apr. 2, 1946, in commerce between France and the United States.

Ser. No. 597,241. Towles Limited, Loughborough, England. Filed May 10, 1950.

EXPLORER

Applicant claims ownership of British Registration No. 375,253, dated Oct. 23, 1916.
For Hosiery—Namely, Half-Hose, Three-Quarter Hose, Stockings, Socks, Golf Hose, Vests, Knickers, Slips, Pantees, Camiknickers, Briefs, Brassières, Camisoles, Dresses, Jumpers, Skirts, Suits, Slacks (Trousers), Swim-Suits, Coats, Combinations, Pants, Shirts, Pullovers, Slip-overs, Trunks, Cardigans, Jerseys, Nightdresses, Pyjamas, Play-Suits.

Ser. No. 603,823. Universal Sports Corporation, New York, N. Y. Filed Sept. 20, 1950.

UNIS-PORT

For Caps, Shoes, Stockings, Sweat Shirts, T Shirts, Sweat Pants, Uniforms, Trunks, Tights, Boots, Jerseys, Hats, Sweaters, Gym Shirts, Pants and Jackets, Swim Trunks, Referee Shirts.
Claims use since May 15, 1947.

Ser. No. 604,385. Piedmont Shirt Company, Greenville, S. C. Filed Oct. 3, 1950.

Super-Fort

For Men's and Boys' Outer Shirts, Collars, and Cuffs.
Claims use since July 1950.

Ser. No. 605,004. A-1 Manufacturing Co., Los Angeles, Calif. Filed Oct. 17, 1950.

PEGGER

For Men's and Boys' Suits of Clothes.
Claims use since Feb. 16, 1949.

Ser. No. 607,072. Herman E. Crawford, Kernersville, N. C. Filed Nov. 29, 1950.

SHAGKATZ

For Lady's and Girl's Hosiery.
Claims use since Nov. 20, 1950.

Ser. No. 607,197. Scarves By Vera, Inc., New York, N. Y. Filed Dec. 1, 1950.

Wing Scent

The word "Scent" is disclaimed.
For Articles of Clothing—Namely, Sachet Scarves.
Claims use since Nov. 21, 1950.

Ser. No. 607,868. The Rauh Company, Cincinnati, Ohio. Filed Dec. 19, 1950.



For Men's and Boys' Outer Shirts.
Claims use since Dec. 1, 1912.

Ser. No. 608,491. Harry Camp Millinery Company, San Francisco, Calif. Filed Jan. 8, 1951.

Lady Desley

The words "Lady Desley" are fanciful.
For Ladies' Hats.
Claims use since Dec. 6, 1950.

Ser. No. 608,675. Piedmont Shirt Company, Greenville, S. C. Filed Jan. 11, 1951.

WINGS
Super-Fort

Applicant claims ownership of Registration No. 395,806.
For Men's and Boys' Outer Shirts, Collars, and Cuffs.
Claims use since July 1950.

Ser. No. 608,792. The Florsheim Shoe Company, Chicago, Ill. Filed Jan. 15, 1951.

BROGIES

Applicant claims ownership of Registration No. 436,920.
For Women's Shoes Made of Leather.
Claims use since 1935.

Ser. No. 609,296. Greenberg Shaps Corporation, New York, N. Y. Filed Jan. 26, 1951.

DOWAGER

For Women's Hats.
Claims use since 1930.

Ser. No. 610,102. The H. A. Seinsheimer Company, Cincinnati, Ohio. Filed Feb. 14, 1951.

Casual Loom

For Men's and Boys' Suits, Overcoats, Topcoats, Trousers, and Slacks.
Claims use since March 1950.

Ser. No. 610,358. Blue Bell, Inc., Greensboro, N. C. Filed Feb. 21, 1951.

CORRAL



For Western Style Dungarees, Shirts, and Jackets for Men, Boys, Ladies, and Girls.
Claims use since Dec. 8, 1950.

Ser. No. 610,526. Seg-Mar, Inc., New Orleans, La. Filed Feb. 26, 1951.

SUGAR BOWL

For Work and Sport Clothes for Men and Boys—Namely, Work Pants and Work Shirts, Dress and Work Gloves, Undershorts and Undersuits of Knitted and Cut Fabrics, Knitted Athletic Undershirts, Knitted Polo Shirts, Sport Shirts of Cut and Sewed Cotton and Rayon Fabrics, Printed and Woven; and Fancy Sport Slacks of Wool, Cotton, and Rayon Fabrics.
Claims use since Apr. 11, 1946.

Ser. No. 610,803. H. Siegfried & Sons, Inc., St. Louis, Mo. Filed Mar. 3, 1951.

HOEDOWN
MASTERBILT

For Men's Jackets and Slacks.
Claims use since June 15, 1950.

Ser. No. 610,805. H. Siegfried & Sons, Inc., St. Louis, Mo. Filed Mar. 3, 1951.

MASTERBILT
NYL-TROP

For Men's and Boys' Trousers and Slacks.
Claims use since November 1950.

Ser. No. 610,940. S. Weitz & Co., Inc., Cleveland, Ohio. Filed Mar. 6, 1951.

Perthriff

For Women's and Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats.
Claims use since Aug. 8, 1950.

Ser. No. 610,941. S. Weitz & Co., Inc., Cleveland, Ohio. Filed Mar. 6, 1951.

Yorkfields

For Women's and Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats.
Claims use since Aug. 8, 1950.

Ser. No. 610,971. Joseph Horowitz & Sons, Inc., New York, N. Y. Filed Mar. 7, 1951.

FRAN-MOR

For Men's and Boys' Sportswear—Namely, Jackets and Outer Shirts.
Claims use since Feb. 23, 1951.

Ser. No. 611,225. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed Mar. 13, 1951.

NEOLON

For Belts for Personal Wear.
Claims use since Jan. 5, 1951.

Ser. No. 611,319. Washington Manufacturing Company, Nashville, Tenn. Filed Mar. 14, 1951.

Guymont

For Men's and Boys' Clothing—Namely, Sport Shirts, Dress Shirts, Sport Jackets, and Slacks.
Claims use since 1937.

Ser. No. 611,986. M. Wile & Company, Inc., Buffalo, N. Y. Filed Mar. 29, 1951.

Fablon

For Men's and Boys' Overcoats, Topcoats, Suits, Coats, and Trousers.
Claims use since Mar. 12, 1951.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 610,517. Edna B. Hatch, North Sacramento, Calif. Filed Feb. 26, 1951.

Contourette

For Breast Pads.
Claims use since Dec. 19, 1949.

Ser. No. 613,719. Michael James Mantell, Los Angeles, Calif. Filed May 10, 1951.

Contour-Ette

For Shoulder Pads.
Claims use since Feb. 15, 1949.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 565,995. Dicksons & Co. (Dungannon) Ltd., Dungannon, Northern Ireland. Filed Apr. 27, 1948.

GREENISLE

Applicant claims ownership of Registrations Nos. 243,154, 343,747, and 344,018.
For Linen Fabrics in the Piece.
Claims use since Dec. 1, 1927; and in commerce between foreign nations and the United States since Dec. 1, 1927.

Ser. No. 571,843. Brand & Oppenheimer, Incorporated, New York, N. Y. Filed Jan. 8, 1949.



The words "Fabrics" and "Brand" are disclaimed. Applicant claims ownership of Registration No. 137,127.
For Textile Fabrics Woven of Cotton, Wool, Rayon, Acetate, Nylon, and Other Synthetic Yarns and Mixtures Thereof, Including Linings in the Piece, Outerwear Fabrics, and Suitings, in Various Finishes.
Claims use since Sept. 8, 1948.

Ser. No. 599,618. Deering, Milliken & Co., Inc., New York, N. Y. Filed June 23, 1950.

SANDARRAY

For Textile Piece Goods of Rayon and Wool.
Claims use since May 17, 1950.

Ser. No. 599,724. United States Rubber Company, New York, N. Y. Filed June 24, 1950. CERTIFICATION MARK.

SHRINK MASTER

For Woolen Fabrics.
Claims use since Nov. 23, 1949.

Ser. No. 599,991. Traford Fabrics, Inc., New York, N. Y. Filed June 29, 1950.

DURANYL

For Fabrics Made of Nylon Fibers Sold in the Piece.
Claims use since February 1948.

Ser. No. 614,756. Dan River Mills, Incorporated, Danville, Va. Filed June 5, 1951. (Sec. 2f.)

Amherst

Applicant claims ownership of Registration No. 430,705.
For Sheets and Pillow Cases.
Claims use since Apr. 2, 1946.

Ser. No. 614,758. Dan River Mills, Incorporated, Danville, Va. Filed June 5, 1951. (Sec. 2f.)

Drexel

Applicant claims ownership of Registration No. 430,686.
For Sheets and Pillow Cases.
Claims use since Mar. 28, 1946.

Ser. No. 614,999. Titus Blatter & Co., New York, N. Y. Filed June 9, 1951.

SHANTIQUE

For Drapery and Upholstery Fabrics Made of Viscous Spun Rayon, Acetate Spun Rayon, and Cotton.
Claims use since May 1, 1951.

Ser. No. 615,079. Pacific Mills, Boston, Mass., and New York, N. Y. Filed June 12, 1951.

PAMILSEC

Applicant claims ownership of Registrations Nos. 90,469, 303,506, and 333,488.
For Rayon Piece Goods.
Claims use since Dec. 15, 1950.

Ser. No. 615,082. Rayflex Fabrics, Inc., New York, N. Y. Filed June 12, 1951.

ACROFLEX

For Woven Elastic Fabrics in the Piece.
Claims use since Sept. 11, 1950.

Ser. No. 615,125. Léron, Inc., New York, N. Y. Filed June 13, 1951.

NORCLIFF

For Linens—Namely, Sheets, Pillow Cases, Towels.
Claims use since September 1929.

Ser. No. 615,126. Léron, Inc., New York, N. Y. Filed June 13, 1951.

NOREL

For Linens—Namely, Sheets, Pillow Cases, and Towels.
Claims use since October 1938.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 575,744. Apple Growers Association, Hood River, Oreg. Filed Mar. 21, 1949. (Sec. 2f.)

Hood River

Applicant claims ownership of Registrations Nos. 110,660, 303,086, and others.
For Fruit Beverages—Namely, Apple Cider.
Claims use since November 1916.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 534,815. Raytheon Manufacturing Company, Newton, Mass. Filed Sept. 17, 1947.



For Popcorn Which Is Covered With an Edible Oil and Salted.
Claims use since Mar. 25, 1947.

Ser. No. 544,608. Dennis Polis, doing business as Polly Bros., New York, N. Y. Filed Dec. 17, 1947. (Sec. 2f.)

La Espanola

"La Espanola" is a fanciful expression suggesting the words "La Española" which in Spanish means "The Spanish Woman." Applicant claims ownership of Registration No. 362,856.
For Olive Oil.
Claims use since 1928.

Ser. No. 553,570. Booth Fisheries Corporation, Chicago, Ill. Filed Apr. 1, 1948.

SEATANG

Applicant claims ownership of Registration No. 153,124.
For Canned, Fresh, and Frozen Fish.
Claims use since Jan. 1, 1921.

Ser. No. 555,075. Pinkham Properties, Exeter, Calif. Filed Apr. 20, 1948. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 286,806 and 518,427.
For Fresh Grapes.
Claims use since August 1924.

Ser. No. 575,032. Arcady Farms Milling Company, Chicago, Ill. Filed Mar. 8, 1949.

Wonderkat

Applicant claims ownership of Registration No. 171,029.
For Compounded Chicken Feed Including Various Grains, Linseed and Soybean Meal, Molasses, and Minor Percentages of Salt and Calcium Carbonate From Limestone.
Claims use since April 1920.

Ser. No. 577,325. Haas, Baruch & Co., Los Angeles and Vernon, Calif. Filed Apr. 18, 1949.



The representation of the oarsman is fanciful. Applicant claims ownership of Registration No. 67,551.
For Canned Fish.
Claims use since January 1899.

Ser. No. 577,685. The Quaker Oats Company, Chicago, Ill. Filed Apr. 25, 1949.

RED-TOP

Applicant claims ownership of Registrations Nos. 99,836, 100,077, and 167,394.
For Wheat Flour for Human Consumption.
Claims use since Mar. 16, 1914.

Ser. No. 580,421. Norris Inc., Atlanta, Ga. Filed June 14, 1949. (Sec. 2f as to "Norris.")



The word "Mints" and the background shown in the drawing are disclaimed. Applicant claims ownership of Registrations Nos. 138,842, 392,790, and others.
For Candy Mints.
Claims use since Apr. 27, 1949, on the mark as shown; and since July 13, 1910, on the word "Norris."

Ser. No. 592,419. Joseph Canella, trading as Canella Food Products Co., Omaha, Nebr. Filed Feb. 14, 1950.

Can-Ella

The word "Can" is disclaimed. The drawing is lined for red but color is not claimed.
For Meatless Spaghetti Sauce.
Claims use since July 1, 1949.

Ser. No. 592,754. R. D. Bradshaw & Sons, Wendell, Idaho. Filed Feb. 20, 1950. (Sec. 2f.)

SPUN

For Crystallized Honey.
Claims use since Mar. 25, 1946.

Ser. No. 593,039. Norris Inc., Atlanta, Ga. Filed Jan. 9, 1950. (Sec. 2f.)



The words "Candies" and "Mints" are disclaimed. Applicant claims ownership of Registrations Nos. 138,842, 392,790, etc.
For Mint Candies.
Claims use since June 6, 1949, on the mark as shown; since July 13, 1910, on the word "Norris"; and since Nov. 17, 1910, on the word "Exquisite."

Ser. No. 595,261. K-B Products Corp., Catskill, N. Y. Filed Apr. 5, 1950.

K - B Basidio Actino

For Bottled Mushroom Juice Used as a Food Beverage.
Claims use since Mar. 8, 1950.

Ser. No. 599,199. Merritt I. Taylor, Atlee, Va. Filed June 15, 1950.



The words "Honey" and "Honeyed" and the map of the State of Virginia are disclaimed.
For Honey.
Claims use since Dec. 15, 1949.

Ser. No. 600,237. Vimco Macaroni Products Company, Carnegie, Pa. Filed July 5, 1950.

SPRING-MAC

For Macaroni.
Claims use since Jan. 16, 1950.

Ser. No. 604,899. H. C. Bohack Co. Inc., Brooklyn, N. Y. Filed Oct. 14, 1950.

ISLAND MANOR

For Canned Food Products—Namely, Cut Green Beans, Cut Wax Beans, Sweet Peas, Shoestring Carrots, Diced Carrots, Shoestring Beets, Diced Beets, Cut Beets, Sliced Beets, Bartlett Pears, Peaches, Apple Sauce, Fruit Cocktail, Beans With Pork in Tomato Sauce, Tomato Juice, White Sugar Corn, Golden Sweet Corn, Tomatoes, Peas and Carrots, and Prunes; and Bottled Tomato Ketchup.
Claims use since Apr. 19, 1935.

Ser. No. 607,931. Chiara Cheese Company, Lawrence, Mass. Filed Dec. 21, 1950.

MONA LISA

For Blends of Edible Vegetable Oils.
Claims use since June 7, 1950.

Ser. No. 608,066. Half Moon Fruit & Produce Co., San Francisco, Calif. Filed Dec. 26, 1950. (Sec. 2f.)

Melo-glow

Applicant claims ownership of Registrations Nos. 206,559 and 430,590.

For Fresh Fruit and Vegetables—Namely, Peaches, Cantaloupes, Strawberries, Pears, Honeydew Melons, Persian Melons, Casabas, Cranshaw Melons, Watermelons, Grapes, Apricots, Apples, Lettuce, Peas, Asparagus, Cauliflower, Cabbage, Bell Peppers, Tomatoes, Carrots, Beans, Celery, Cucumbers, New Potatoes, Sweet Potatoes, Yams, Triumph Potatoes, Russet Potatoes; and Dressed Fresh and Frozen Poultry—Namely, Fresh and Frozen Turkeys.

Claims use since July 20, 1922.

Ser. No. 608,466. C. H. Nielsen, Paradise, Calif. Filed Jan. 6, 1951.

SAWMILL PEAK

For Fresh Apples.

Claims use since 1947.

Ser. No. 608,593. Duche & Knight Limited, London, England. Filed Jan. 10, 1951.

PANNET

For Bone Meal for Cattle Food.

Claims use since May 26, 1950; and in commerce between foreign nations and the United States since Nov. 23, 1950.

Ser. No. 608,824. Malt-A-Plenty, Inc., Tulsa, Okla. Filed Jan. 16, 1951.

PLENTEX

Applicant claims ownership of Registrations Nos. 412,267 and 412,268.

For Stabilizer Composed of Vegetable Cellulose Gum, Carageen, Karaya Gum, Locust Bean Gum, and Dextrose for Use in the Manufacture of Ice Cream, Ice Milk, and Related Products

Claims use since Dec. 1, 1950.

Ser. No. 608,894. Rabbit Packers of California, Los Angeles, Calif. Filed Jan. 17, 1951. COLLECTIVE MARK.

SUN-CAL

For Meats—Namely, Processed Rabbits.

Claims use since Oct. 18, 1950.

Ser. No. 609,142. River Valley Co., Inc., Syracuse, N. Y. Filed Jan. 23, 1951.

HILL-N-DALE

For the Following Frozen Foods—Cauliflower, Broccoli, Asparagus Tips and Cuts, and Chopped Spinach.

Claims use since May 25, 1950.

Ser. No. 609,593. Robert L. Gulick, Jr., doing business under the name California Favorite Foods, Berkeley, Calif. Filed Feb. 3, 1951.

MO-CAFE

The word "Cafe" and the representation of the goods are disclaimed.

For Coffee Concentrate in Liquid Form.

Claims use since Aug. 1, 1950.

Ser. No. 610,016. The Lawfield Packing Company, Bridgeport, Conn. Filed Feb. 13, 1951.

Lawfield

For Canned Soups.

Claims use since Jan. 15, 1951.

Ser. No. 611,753. Blooker's Cacao-en Chocolade-Fabrieken N. V., Amsterdam, Netherlands. Filed Mar. 26, 1951. (Sec. 2f.)

BLOOKER'S

Applicant claims ownership of Registrations Nos. 537,911 and 75,991.

For Cocoa Powder.

Claims use since Dec. 31, 1889.

Ser. No. 611,785. M. J. Holloway & Co., Chicago, Ill. Filed Mar. 26, 1951.

Fast Worker

For Candy.

Claims use since June 15, 1950.

Ser. No. 611,787. M. J. Holloway & Co., Chicago, Ill. Filed Mar. 26, 1951.

Slow Poke

For Candy.

Claims use since June 15, 1950.

Ser. No. 611,788. M. J. Holloway & Co., Chicago, Ill. Filed Mar. 26, 1951.

Teacher's Pet

For Candy.

Claims use since June 15, 1950.

Ser. No. 611,931. A. Zerega's Sons, Inc., Brooklyn, N. Y. Filed Mar. 28, 1951.

BO-KETTES

For Macaroni.

Claims use since May 23, 1950.

Ser. No. 612,644. American Cone & Pretzel Company, Philadelphia, Pa. Filed Apr. 14, 1951.

GOLDEN MAID

Applicant claims ownership of Registration No. 300,709.

For Pretzels.

Claims use since Feb. 26, 1930.

Ser. No. 619,017. Haas, Baruch & Co., Los Angeles, Calif. Filed Sept. 20, 1951.

R.E.D.

For Canned Crab and Lobster.

Claims use since Aug. 20, 1951.

CLASS 47

WINES

Ser. No. 609,497. Sovereign Importers, Ltd., New York, N. Y. Filed Feb. 1, 1951.

BELLECOUR

For Champagne.

Claims use since June 18, 1949.

Ser. No. 611,664. The Superior Beverage Company, Youngstown, Ohio. Filed Mar. 22, 1951.

ROYAL PRINCE

For Bottled Wines.

Claims use since Aug. 25, 1948.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 604,763. The Calvert Distilling Co., New York, N. Y. Filed Oct. 12, 1950. (Sec. 2f.)

LORD CALVERT

The mark "Lord Calvert" is fictitious. Applicant claims ownership of Registrations Nos. 24,343, 52,728, and others.

For Alcoholic Beverages—Namely, Whiskey.

Claims use since Mar. 24, 1934, as to the mark shown; and since 1893 as to "Calvert."

Ser. No. 610,125. Joseph S. Finch and Company, doing business as The Sam Thompson Pure Rye Distilling Co., New York, N. Y. Filed Feb. 15, 1951.

SAM THOMPSON

The name referred to by this mark is fanciful. Applicant claims ownership of Registration No. 306,946.

For Whiskey.

Claims use since May 1922.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 600,470. Donbert Co., Inc., New York, N. Y. Filed July 11, 1950.

ICE JET

The word "Ice" is disclaimed.

For Combination Refrigerated Drinking Straw and Stirrer.

Claims use since May 16, 1950.

Ser. No. 608,411. A. B. Dick Company, Niles, Ill. Filed Jan. 5, 1951. (Sec. 2f.)

PHOTOMAT

For Lithographic Plates.

Claims use since August 1941.

Ser. No. 609,411. Northern Metal Products Company, Chicago, Ill. Filed Jan. 30, 1951.

NORTHERN

For Anti Skid Plates, for Use in Shipping Heavy Crated Items Such as Farm Machinery, Trucks, Armaments, and Large Motors.

Claims use since November 1940.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 575,051. Barbara Gould, Inc., New York, N. Y. Filed Mar. 8, 1949.

PERSONAL TOUCH

For Anti-Perspirant Cream.

Claims use since Feb. 4, 1949.

Ser. No. 594,919. Parfums Evyan Inc., New York, N. Y. Filed Mar. 30, 1950.

Surf Club

For Perfume.

Claims use since Mar. 27, 1950.

Ser. No. 596,924. The Janalyn Laboratories, Inc., Worcester, Mass. Filed May 5, 1950.



For Cosmetic—Namely, an All Purpose Cream, a Hand and Body Lotion, and a Body Deodorant.

Claims use since Jan. 15, 1950.

Ser. No. 601,665. Executive Perfumes Limited, London and Leeds, England. Filed Aug. 3, 1950.

Chevlot

Applicant claims ownership of British Registration No. 676,511, dated Jan. 27, 1949.
For After-Shave Lotion, Hair Lotion, Eau de Cologne, Hair Oil, and Talcum Powder.

Ser. No. 605,471. Dyna-Shave, Inc., Chicago, Ill. Filed Oct. 27, 1950.

DYNA-SHAVE

The word "Shave" is disclaimed.
For Shaving Cream.
Claims use since Oct. 19, 1950.

Ser. No. 605,476. Firmenich Incorporated, New York, N. Y. Filed Oct. 27, 1950.

FLORIZIA

Applicant claims ownership of Registration No. 283,685.
For Natural or Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources Used as a Base or an Ingredient in Cosmetics and Toilet Preparations.
Claims use since Feb. 4, 1928.

Ser. No. 605,802. Kolar Laboratories, Inc., doing business under the style name of For You Cosmetics, Chicago, Ill. Filed Nov. 2, 1950.

For You

For Cosmetics—Namely, Hormone Oil, Make-Up Base, Skin Cleansing Cream, Hand Cream, Face Powder, Facial Mask Cream, Skin Freshener Preparation, Emollient Cream, Lipstick Pencil, Eye Shadow Pencil, Mascara, Skin Blemish Cream, Antiperspirant Cream, Bath Powder, Lipstick, Rouge.
Claims use since Sept. 11, 1950.

Ser. No. 606,854. Coty, Inc., New York, N. Y. Filed Nov. 24, 1950.

GREEN CHAMPAGNE

The word "Green" is disclaimed.
For Cologne and Toilet Waters.
Claims use since Nov. 14, 1950.

Ser. No. 609,935. Allan Marin, Chicago, Ill. Filed Feb. 10, 1951.

One-Too

For Denture Adhesive Having Antiseptic Qualities.
Claims use since Jan. 10, 1951.

Ser. No. 611,792. Lehn & Fink Products Corporation, Bloomfield, N. J. Filed Mar. 26, 1951.

DATE-BAIT

For Lipsticks.
Claims use since Feb. 2, 1951.

Ser. No. 612,243. Chamberlain Laboratories, Inc., Des Moines, Iowa. Filed Apr. 5, 1951.

Coralite

For Hand and Skin Cream.
Claims use since Feb. 9, 1951.

Ser. No. 612,438. Mrs. Georgia Mae Brown, also known as Mme. G. M. Brown, Chicago, Ill. Filed Apr. 10, 1951.



G. M. B.

The mark consists of a photograph of the proprietress in conjunction with the initials "G. M. B."
For Hair Pomade and Pressing Oil.
Claims use since Jan. 6, 1951.

CLASS 52
DETERGENTS AND SOAPS

Ser. No. 532,146. Manhattan Soap Company, Inc., New York, N. Y. Filed Aug. 22, 1947. (Sec. 2f.)

BLU WHITE

Applicant claims ownership of Registration No. 169,034.
For Soap.
Claims use since Apr. 5, 1922.

Ser. No. 563,646. W-B Chemical Company, Inc., South Mount Vernon, N. Y. Filed Aug. 17, 1948.

Jellay

For Soapless Shampoo.
Claims use since Nov. 20, 1933.

Ser. No. 564,300. Stepan Chemical Company, Chicago, Ill. Filed Aug. 27, 1948. (Sec. 2f.)

pH6

Applicant claims ownership of Registrations Nos. 414,246 and 394,691.
For Liquid Skin Cleansing Detergent.
Claims use since Jan. 12, 1943.

Ser. No. 572,289. Associated Producers, Inc., Hazel Park, Mich. Filed Jan. 17, 1949.

TURBO FLUSH

The word "Flush" is disclaimed.
For Solvent Composition for Cleaning and Flushing Automobile Radiators and the Like.
Claims use since Nov. 15, 1948.

Ser. No. 579,492. Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y. Filed May 25, 1949.

Lakeseal

Applicant claims ownership of Registration No. 388,232.
For Detergents (Cleaning and Water Softening), Said Detergent Compounds Being Used Primarily for Cleaning Purposes, for Use in Laundries and Having Incidental Water Softening Properties.
Claims use since June 29, 1940.

Ser. No. 583,677. Nopco Chemical Company, Harrison, N. J. Filed Oct. 1, 1949.

SYNTERGENT

Applicant claims ownership of Registration No. 416,718.
For Detergent for General Industrial Use and Particularly in the Laundry, Textile, and Leather Industries.
Claims use since February 1942.

Ser. No. 593,121. Jewel Tea Co., Inc., Barrington, Ill. Filed Feb. 27, 1950.

JETCO

For Jelly Type Soap Product Used for Cleaning Floors, Linoleum, Woodwork, Painted Surfaces and for Other General Household Cleaning Purposes.
Claims use since Dec. 20, 1949.

Ser. No. 605,524. Murphy Sales Company, Atlanta, Ga. Filed Oct. 26, 1950.

Beau-Clean

The word "Clean" is disclaimed.
For Dry Cleaning Detergent in Concentrated Form.
Claims use since July 10, 1950.

Ser. No. 609,360. Fels and Company, Philadelphia, Pa. Filed Jan. 29, 1951.

FELSO

Applicant claims ownership of Registration No. 257,197.
For Dry Detergent in Bead or Powder Form for General Household Use, Such as Washing Clothes, Dishes, Pots and Pans, and Woodwork.
Claims use since June 2, 1950.

SERVICE MARKS

CLASS 100
MISCELLANEOUS

Ser. No. 572,165. Columbia Commerce & Credit Corporation, New York, N. Y. Filed Jan. 14, 1949.



The drawing is lined for the colors red and silver and said colors are claimed.
For Representing and Acting for Clients as Agents in the United States and in the Countries of Europe for the Purchase and Sale of Machinery, Tools, and Equipment, and in Advising Clients in Connection With the Selection, Layout, Installation, and Operation of Machinery, Tools, and Equipment.
Claims use since Nov. 1, 1948.

Ser. No. 578,950. Anne Orr Studio, Nashville, Tenn. Filed May 17, 1949.



Although the drawing is lined for grey, the use of color is not claimed as a feature of the mark. The name "Anne Orr" is the maiden name of co-partner Anne Orr Callahan. The words "Design From" and "Studio" are disclaimed.
For Creating and Developing Designs—Namely, Designs for Glassware, Tableware, and Chinaware; for Textile, Needlepoint, Knitted, and Crochet Designs for Linens and Napkins, Including Dinner and Luncheon Sets; for Bedspreads, Quilts, Towels, Rugs, Samplers, Chair and Seat Covers, Canopies, Drapes, Table Covers, and the Like; and Playing Cards.
Claims use since 1928.

Ser. No. 597,615. Interstate Readers Service, Inc., Dallas, Tex. Filed May 17, 1950.



For Acting as an Agency for Nationally-Known Periodical Magazine Publications, and for Soliciting Subscriptions to the Publications Through Crews Sent to Different Cities.

Claims use since December 1946.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 535,276. Union Oil Company of California, Los Angeles, Calif. Filed Sept. 22, 1947.

Minute Man

For Repairing Tires, Cleaning Spark Plugs, Changing and Repairing Tires and Tubes, Polishing Automobiles, and Cleaning Air Filters, All as Performed on Automobiles at Gasoline Vending Stations by Attendants.

Claims use since July 1939.

Ser. No. 562,234. Western Auto Supply Company, doing business as Western Auto Stores, Kansas City, Mo. Filed July 26, 1948.



For Services Rendered in Connection With Automobiles—Namely, Testing, Charging, and Rental Services for Automobile Batteries.

Claims use since June 1927.

Ser. No. 583,033. Earth Excavators Incorporated, Tuckahoe, N. Y. Filed Aug. 5, 1949.



The words "Earth Excavators Incorporated" are disclaimed.

For Excavating, Grading and Paving Roads, Building Construction and Repairing Concrete Structures and Buildings, Tunneling, and Installing Conduits and Piping for Utilities.

Claims use since Jan. 1, 1949.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 579,968. Continental Oil Company, Ponca City, Okla. Filed June 4, 1949. (Sec. 2f.)

TOURAIDE

Applicant claims ownership of Registrations Nos. 372,843, 381,888, and 427,809.

For Automobile Travel Information Service—Namely, Mapping Tours, Listing Hotel Accommodations, Describing Points of Interest, Climate, and Other Information Incident to Automobile Travel.

Claims use since April 1936.

CLASS 106

MATERIAL TREATMENT

Ser. No. 553,952. Atlantic Dental Laboratory, Brooklyn, N. Y. Filed Apr. 6, 1948.



The words "Designed Partials" and "Eclectic" are disclaimed.

For Molding of Artificial Cast Teeth and Bridges for Dentists in Gold, Silver, Platinum, Steel, and Porcelain From Molds Supplied by Dentists From Impressions Taken From Patients.

Claims use since Mar. 2, 1948.

Ser. No. 609,885. Société à Responsibilité Limitée Cobra, Paris, France. Filed Feb. 9, 1951.

COBRA

For Treating Wood and Wood Products With Chemicals To Prolong the Life Thereof.

Claims use since November 1947; and in commerce between the States of the United States since Oct. 13, 1950.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 609,837. Alexander & Sprague, Chicago, Ill. Filed Feb. 9, 1951.

THE GOLDEN CIRCLE

For Entertainment Service in the Nature of a Radio Broadcast Program Comprising an Integrated Series of Dramatic Stories and Short Radio Narratives.

Claims use since June 12, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,604. Plastic Trays, Paper and Waste Baskets, Made From "Lucite" and "Plexiglas." Norman E. Olin, doing business under the name of Neo, New York, N. Y.
Filed Feb. 27, 1946, Serial No. 497,325. Published Aug. 28, 1951. Class 2.

444,605. Containers of Cardboard, Copper, or of Metal, or of Combinations of the Same, for Knives, Paper Cutters, Forks, and Spoons. Charles Louis Eloi Pernet, Paris, France.
Filed Mar. 26, 1947, Serial No. 519,598. Published Aug. 28, 1951. Class 2.

444,606. Brassières. Wm. Gluckin & Co., Inc., New York, N. Y.
Filed June 14, 1947, Serial No. 524,181. Published Sept. 4, 1951. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

551,169. Soy Flour for Human Consumption, Isolated Protein Powder, and Soy Albumin Powder (for Use as Whipping Powder), All for Human Consumption. Central Soya Company, Inc., Fort Wayne, Ind.
Original filed, act of 1905, May 16, 1946; amended to application under act of 1946, Principal Register, July 5, 1951, Serial No. 502,190. Published Sept. 4, 1951. Class 46.

551,170. Metal Tanks, Shipped and Sold Empty in the Trade, for Converting, Transporting, and Storing Carbon Dioxide. Air Reduction Company, Incorporated, New York, N. Y., by merger with Pure Carbonic, Incorporated.
Original filed, act of 1905, Aug. 8, 1946; amended to application under act of 1946, Principal Register, Aug. 31, 1950, Serial No. 507,075. Published Aug. 14, 1951. Class 2.

551,171. Men's and Boys' Clothing—Namely, Work Shirts, Work Pants, Overalls and Jumpers, Sport Shirts, Dress Shirts, Slack Pants, and Dungarees. McKinley Manufacturing Co., Inc., Prichard, Ala.
Original filed, act of 1905, June 13, 1947; amended to application under act of 1946, Principal Register, Mar. 29, 1951, Serial No. 524,435. Published July 31, 1951. Class 39.

551,172. Combination Time Cycle and Pressure Controlled Gas Intermitters for Injecting Gaseous Pressure in a Well for Lifting Well Fluids Therein, Gas Lift Valves and Special Tubing Connectors for Connecting Gas Lift Valves in Well Tubing, and Are Sold as a Unit. Camco, Inc., Houston, Tex.
Filed July 5, 1947, Serial No. 527,944. Published July 31, 1951. Class 26.

551,173. Component Parts for Electronic Meters and Laboratory Measuring Instruments—Namely, Variable Air Capacitors, Knobs, Dials, Indicators, Etc. James Millen Manufacturing Company, Inc., Malden, Mass.
Filed Aug. 6, 1947, Serial No. 530,669. Published July 24, 1951. Class 26.

551,174. Outer and Under Shirts, Collars, Neckties, and Pyjamas. M. Bertish & Co., Limited, Tottenham, London, England.
Filed Aug. 9, 1947, Serial No. 530,917. Published July 31, 1951. Class 39.

551,175. Fresh Peas. Wilkinson Brothers, Inc., Calipatria, Calif.
Filed Aug. 25, 1947, Serial No. 532,386. Published May 1, 1951. Class 46.

551,176. Butchers', Bakers', Druggists', and Painters' Tools, Etc. Lamson and Goodnow Manufacturing Company, Shelburne Falls, Mass.
Filed Sept. 13, 1947, Serial No. 534,453. Published July 31, 1951. Class 23.

551,177. Flashlight Synchronizing Apparatus for Use With Cameras. Heiland Research Corporation, Denver, Colo.
Filed Nov. 6, 1947, Serial No. 540,279. Published July 24, 1951. Class 26.

551,178. Hand Pulled Hydraulically Operated Lift Trucks and Wheeled and Non-Wheeled Hydraulically Operated Freight Elevators. West Bend Equipment Corporation, West Bend, Wis.
Filed Nov. 20, 1947, Serial No. 541,901. Published Sept. 4, 1951. Class 23.

551,179. Light Beam Indicating Apparatus for Checking and Measuring Wheel Alignment Characteristics of Automotive Vehicles. Food Machinery Corporation, San Jose, Calif., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware.
Filed Dec. 3, 1947, Serial No. 543,160. Published July 24, 1951. Class 26.

551,180. Frankfurters, Smoked Sausage, Pigs Feet, Pig Hocks, Veal Tongues, Pork Sausage, Pork Tongues, Rendered Pork Fat, Pure Lard, Meat Loaf, Lamb Tongues, Thuringer, Bologna, Tongue, and Blood Sausage, Salami, Liver Cheese, Macaroni and Process Cheese Loaf, Head Cheese, Creamery Butter, Sliced Dried Beef. Hygrade Food Products Corporation, New York, N. Y.
Filed Jan. 7, 1948, Serial No. 546,391. Published July 10, 1951. Class 46.

551,181. Canned Salmon. Oceanic Sales Co., Seattle, Wash.
Filed Feb. 5, 1948, Serial No. 548,829. Published July 31, 1951. Class 46.

551,182. Fresh Citrus Fruits. Glendora Citrus Association, Glendora, Calif.
Filed Mar. 22, 1948, Serial No. 552,650. Published July 10, 1951. Class 46.

551,183. Canned Salmon. Washington Fish & Oyster Co., Inc., Seattle, Wash.
Filed Mar. 23, 1948, Serial No. 552,822. Published Aug. 28, 1951. Class 46.

551,184. Canned Salmon. Washington Fish & Oyster Co., Inc., Seattle, Wash.
Filed Mar. 23, 1948, Serial No. 552,824. Published July 17, 1951. Class 46.

551,185. Dark-Field Illuminators for Gems. Gemological Institute of America, Los Angeles, Calif.
Filed Apr. 5, 1948, Serial No. 553,840. Published July 24, 1951. Class 26.

551,186. Grease Pails With Bottom Discharge for Filling Grease Guns. Geuder, Paeschke & Frey Co., Milwaukee, Wis.
Filed Apr. 12, 1948, Serial No. 554,374. Published Jan. 2, 1951. Class 2.

551,187. Dungarees and Slacks for Men, Women, and Children. I. C. Isaacs & Co., Inc., Baltimore, Md.
Filed May 19, 1948, Serial No. 557,359. Published July 31, 1951. Class 39.

551,188. Locomotive Stokers and Parts Thereof—Namely, Mounting Plates for Locomotive Stokers, Etc. The Hanna Stoker Company, Cincinnati, Ohio.
Filed May 21, 1948, Serial No. 557,525. Published Aug. 7, 1951. Class 34.

551,189. Cutting, Scarfing, and Similar Thermo-Chemical Metal Removing Apparatus Comprising Oxy-Fuel Torches, Tips, and Adjuvant Powder Containing Chambers With Gas Conduits and Valves for Ejecting Powder, and Parts Thereof. National Cylinder Gas Company, Chicago, Ill.
Filed June 4, 1948, Serial No. 558,501. Published Sept. 4, 1951. Class 34.

551,190. Edible Cones for Ice Cream and Other Confections. Farlo Industries, Inc., Cincinnati, Ohio.
Filed June 9, 1948, Serial No. 558,782. Published Aug. 7, 1951. Class 46.

551,191. Sunglasses. Winters Optical Co., New York, N. Y.
Filed June 15, 1948, Serial No. 559,264. Published July 31, 1951. Class 26.

551,192. Stabilizers for Ices and Sherbets, Pectin, Fruit Acid and Frozen Orange, Lemon, and Lime Juices. Thomas E. O'Byrne Company, Chicago, Ill., assignor to Paul K. Becker, Chicago, Ill.
Filed June 25, 1948, Serial No. 560,213. Published Aug. 7, 1951. Class 46.

551,193. Tea. Albert Ehlers, Inc., Brooklyn, N. Y.
Filed July 2, 1948, Serial No. 560,609. Published July 10, 1951. Class 46.

551,194. Self-Rising Wheat Flour. Atlanta Milling Company, Atlanta, Ga.
Filed Mar. 2, 1948, Serial No. 561,398. CONCURRENT USE. Published Aug. 7, 1951. Class 46.

551,195. Olive Oil. Aceites Bau, S. A., Madrid, Spain.
Filed July 20, 1948, Serial No. 561,706. Published July 10, 1951. Class 46.

551,196. Piece Goods of Cotton and of Rayon. Joseph Bancroft & Sons Co., Wilmington, Del.
Filed July 22, 1948, Serial No. 561,872. Published Sept. 4, 1951. Class 42.

551,197. Window Hollands. John King & Son Limited, Glasgow, Scotland.
Filed Aug. 4, 1948, Serial No. 562,782. Published Sept. 4, 1951. Class 42.

551,198. Dressed Poultry. Emanuel M. James, doing business as Service Poultry Market, Chicago, Ill.
Filed Aug. 6, 1948, Serial No. 562,936. Published July 10, 1951. Class 46.

551,199. Gas Analyzer—Namely, a Gas Analyzer in Which the Constituents of the Gas Are Measured With Respect to Their Electrical Properties. The Hays Corporation, Michigan City, Ind.
Filed Aug. 17, 1948, Serial No. 563,617. Published July 31, 1951. Class 26.

551,200. Canned Fish. M. A. Rex, doing business as Canner's Sales Agency, Los Angeles, Calif.
Filed Aug. 19, 1948, Serial No. 563,755. Published Jan. 16, 1951. Class 46.

551,201. Empty Containers in the Form of Boxes or Pots Made of Wood, Plastic, or Waterproof Paper Board. Carl S. Molitor, Miami, Fla.
Filed Aug. 4, 1948, Serial No. 564,241. Published Aug. 28, 1951. Class 2.

551,202. Rock Drills, Road-Breaking Machines, Tamping Machines, Earth-Ramming Machines, a Power Operated Tree-Cutting Tool Comprising a Power Drive to Which is Attached Such Cutting Blades as Chisels, Etc. Warsop Petrol Drill & Tools Ltd., London, England.
Priority under Sec. 44(*d*). British Registration No. 667,497, filed Mar. 4, 1948.
Filed Aug. 31, 1948, Serial No. 564,488. Published Sept. 4, 1951. Class 23.

551,203. Corn Flour and Corn Starch. Corn Products Refining Company, New York, N. Y.
Filed Sept. 16, 1948, Serial No. 565,236. Published July 24, 1951. Class 46.

551,204. Men's, Women's, and Children's Jerseys, T-Shirts, and Sweat Shirts Having Designs or Lettering Thereon. Duracraft Knitwear Company, Perry, N. Y.
Filed Nov. 5, 1948, Serial No. 568,244. Published July 3, 1951. Class 39.

551,205. Peeled Raw Potatoes. T. E. Wilde & Son, Inc., Sacramento, Calif.
Filed Nov. 9, 1948, Serial No. 568,475. Published July 17, 1951. Class 46.

551,206. Fluid Flow Indicating and Recording Instruments, Etc. Fischer & Porter Company, Hatboro, Pa.
Filed Dec. 1, 1948, Serial No. 569,679. Published July 31, 1951. Class 26.

551,207. Thermoelectric Gas Burner Control Combined With Solenoid Valve. Milwaukee Gas Specialty Company, Milwaukee, Wis.
Filed Dec. 14, 1948, Serial No. 570,510. Published July 31, 1951. Class 26.

551,208. Covered Plastic Box for Holding and Preserving Food. Tri-State Plastic Molding Co., Henderson, Ky.
Filed Jan. 18, 1949, Serial No. 572,389. Published Aug. 28, 1951. Class 2.

551,209. Air Velocity Meters. Bacharach Industrial Instrument Company, Pittsburgh, Pa.
Filed Jan. 21, 1949, Serial No. 572,477. Published July 31, 1951. Class 26.

551,210. Special Oscillator Unit or Apparatus Utilized in Testing Radio, Television, or Other Electronic Equipment. Kay Electric Company, Pine Brook, N. J.
Filed Feb. 9, 1949, Serial No. 573,555. Published July 24, 1951. Class 26.

551,211. Hosiery for Women and Girls. Max Davidoff, doing business as Gilmar Hosiery Company, New York, N. Y.
Filed Feb. 21, 1949, Serial No. 574,217. Published Aug. 28, 1951. Class 39.

551,212. Commercial and Industrial Baking Ovens, Including Ovens Having Traveling Conveyors Inside of the Oven, and Parts and Accessories Pertaining to Such Machines. American Machine and Foundry Company, New York, N. Y.
Filed Mar. 3, 1949, Serial No. 574,806. Published Aug. 14, 1951. Class 34.

551,213. Cartons, Bags, Tubes, Pouches, Envelopes, and Boxes Made of Plastic Materials, Paper, or Cardboard. Crystal Tube Corporation, Chicago, Ill.
Filed Mar. 9, 1949, Serial No. 575,125. Published Aug. 28, 1951. Class 2.

551,214. Marshmallows. The Shotwell Mfg. Co., Chicago, Ill.
Filed Mar. 9, 1949, Serial No. 575,164. Published Aug. 7, 1951. Class 46.

551,215. Photographic, Photo-Engraving and Photomechanical Apparatus, Machines, Appliances and Supplies—Namely, Strip-Film Roll Camera, Offset Cameras, Etc. Chemco Photoproducts Company, Inc., Glen Cove, N. Y.
Filed Mar. 22, 1949, Serial No. 575,842. Published July 31, 1951. Class 26.

551,216. Neckties. Stern, Merritt Co. Inc., New York, N. Y.
Filed Mar. 23, 1949, Serial No. 575,943. Published July 31, 1951. Class 39.

551,217. Finished Ground, Tool Steel Stock in the Form of Flat Bars for Use in Making Punches, Dies, Gauges, and the Like; and Finished Ground, Beveled Edge, High Speed Shaper Steel in the Form of Flat Bars, for Use in Making Cutting Knives Used in Woodworking Plants and the Like. Simonds Saw and Steel Company, Fitchburg, Mass.
Filed Mar. 25, 1949, Serial No. 576,075. Published Aug. 28, 1951. Class 14.

551,218. Serving Tools Sold as a Unit. S. & G. Gump Company, San Francisco, Calif., assignor to Gump's, Inc., a corporation of California.
Filed Apr. 2, 1949, Serial No. 576,533. Published Sept. 4, 1951. Class 2.

551,219. Women's and Misses' Knitted Rayon Underwear. The Associated Merchandising Corporation, New York, N. Y.
Filed Apr. 19, 1949, Serial No. 577,359. Published May 2, 1950. Class 39.

551,220. Unitary Dehumidifiers for Reducing Atmospheric Moisture in Rooms and Similar Spaces. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Apr. 21, 1949, Serial No. 577,467. Published Aug. 21, 1951. Class 34.

551,221. Typewriters, Duplicating Machines and Paper Stapling Machines. Sears, Roebuck and Co., Chicago, Ill.
Filed Apr. 23, 1949, Serial No. 577,612. Published July 31, 1951. Class 23.

551,222. Men's Dress Shirts, Work Shirts, Undershirts, Underdrawers, Union Suits, Collars, Sweaters, Bathrobes, Bathing Shirts, Bathing Trunks, Neckties, Belts for Outer Wear, Suspenders, Garters, Trousers, Office Coats, Lumber Jackets, Raincoats, Rain Jackets, and Suits. Fat Men's Shop, Inc., New York, N. Y.
Filed Apr. 25, 1949, Serial No. 577,668. Published July 24, 1951. Class 39.

551,223. Polyethylene Plastic Gusseted Food Saver and Sandwich Bags. Marcor, Inc., Evanston, Ill.
Filed May 9, 1949, Serial No. 578,458. Published Aug. 28, 1951. Class 2.

551,224. Electrically Powered Table Type Vibratory Grinding Machines. Delmont R. Peterson, doing business as Peterson Welding Laboratories, Kansas City, Mo.
Filed May 9, 1949, Serial No. 578,463. Published Sept. 4, 1951. Class 23.

551,225. Sealing Machines for Heat-Pressure Sealing of Merchandise Packages and Bags. The Frito Company, Dallas, Tex.
Filed June 27, 1949, Serial No. 581,128. Published July 31, 1951. Class 23.

551,226. Carriers Made of Paper for Carrying a Plurality of Bottles of Soft Drinks or the Like. Atlanta Paper Company, Atlanta, Ga.
Filed June 28, 1949, Serial No. 581,159. Published Aug. 28, 1951. Class 2.

551,227. Collapsible Baskets Made of Strips of Bamboo, Wood, Plastic, or Metal, and Being Used for Carrying Articles of Merchandise. Ann Ellis, Hollywood, Calif.
Filed July 1, 1949, Serial No. 581,411. Published May 29, 1951. Class 2.

551,228. Outer Cardboard or Paper Envelopes, for Containing Inner Plastic Sacks, But Not of Metal, for Use on Trains, Airplanes, and the Like, in Cases of Sickness. Allied Aviation Supplies Co., Oklahoma City, Okla.
Filed July 18, 1949, Serial No. 582,117. Published Aug. 28, 1951. Class 2.

551,229. Men's Hats. Joseph Kanner Hat Co., Inc., South Norwalk, Conn.
Filed July 26, 1949, Serial No. 582,531. Published July 24, 1951. Class 39.

551,230. Electrophotographic Copying Machines, Plates Used in Connection With Electrophotographic Copying Machines, Transfer Paper Used for Making Photographs or for Reproducing Photographs, Maps, Drawings, and Other Records, Etc. The Haloid Company, Rochester, N. Y.
Filed July 29, 1949, Serial No. 582,684. Published July 24, 1951. Class 26.

551,231. Vending Machines—Namely, Machines for Vending or Issuing Insurance. Vendomatic, Torrance, Calif.
Filed Aug. 15, 1949, Serial No. 583,503. Published Aug. 28, 1951. Class 23.

551,232. Calculating Machines. Friden Calculating Machine Co., Inc., San Leandro, Calif.
Filed Aug. 17, 1949, Serial No. 583,598. Published July 31, 1951. Class 26.

551,233. Window Draperies Made of Plastic Film. Clopay Corporation, Cincinnati, Ohio.
Filed Aug. 27, 1949, Serial No. 584,109. Published Aug. 28, 1951. Class 42.

551,234. Refractory Lined, Melting Furnaces. The Denver Fire Clay Company, Denver, Colo.
Filed Sept. 6, 1949, Serial No. 584,479. Published Aug. 14, 1951. Class 34.

551,235. Women's Full Fashioned Hosiery. Berkshire Knitting Mills, Wyomissing and Reading, Pa.
Filed Sept. 15, 1949, Serial No. 584,849. Published Aug. 28, 1951. Class 39.

551,236. Piece Goods Made of Cotton and Rayon Fabric Cut to a Length and Width Readily Adaptable for Economy in Home Sewing. The Lamport Co., Inc., New York, N. Y.
Filed Sept. 28, 1949, Serial No. 585,452. Published Sept. 4, 1951. Class 42.

551,237. Circular Saw Blades. Henry Disston & Sons, Incorporated, Philadelphia, Pa.
Filed Oct. 4, 1949, Serial No. 585,748. Published July 31, 1951. Class 23.

551,238. Swim Suits, Shorts, Skirts, and Beach Robes. Rose Marie Reid, Los Angeles, Calif.
Filed Oct. 10, 1949, Serial No. 586,063. Published Sept. 4, 1951. Class 39.

551,239. Piece Goods (Including Corduroy and Velveteen) of Cotton, Rayon, Wool, and Combinations Thereof. Merrimack Manufacturing Company, Lowell, Mass.
Filed Oct. 11, 1949, Serial No. 586,100. Published Sept. 4, 1951. Class 42.

551,240. Angora Yarn Sold to Retail Stores for Use by Individuals in the Making of Hand Knit Garments. The Jawine Co., also known as Jawine Co., New York, N. Y.
Filed Oct. 14, 1949, Serial No. 586,284. Published June 27, 1950. Class 43.

551,241. Files. Heller Brothers Company, Newark, N. J.
Filed Oct. 28, 1949, Serial No. 586,971. Published Aug. 14, 1951. Class 23.

551,242. Wheat Flour. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Nov. 1, 1949, Serial No. 587,103. CONCURRENT USE. Published Aug. 7, 1951. Class 46.

551,243. Fresh, Canned, and Cured Ham, Fresh Pork, Bacon, Fresh Pork Sausage, Dry Sausage, i. e., Cervelats, Salami, Bologna, Frankfurters, Liver Sausage, Polish and Smoked Ring Sausage, Canned Luncheon Meats, Pickled Pigs Feet, Fresh Beef, Fresh Veal, Fresh Lamb, Fresh Mutton, and Lard. Roegelein Provision Company, San Antonio, Tex.
Filed Nov. 3, 1949, Serial No. 587,287. Published July 10, 1951. Class 46.

551,244. Breakfast Cereal. Maltex Company, Burlington, Vt.
Filed Nov. 10, 1949, Serial No. 587,641. Published July 10, 1951. Class 46.

551,245. Photographic Masks. René J. La France, doing business as La France Productions, San Diego, Calif.
Filed Nov. 17, 1949, Serial No. 587,956. Published July 24, 1951. Class 26.

551,246. Women's Apparel—Namely, Skirts and Dresses. Henry Donath, doing business under the fictitious name of Preview Sportswear, Los Angeles, Calif.
Filed Nov. 18, 1949, Serial No. 588,012. Published Sept. 4, 1951. Class 39.

551,247. Cosmetic Compacts Sold Empty. Sigma Nu Fraternity, Indianapolis, Ind.
Filed Nov. 28, 1949, Serial No. 588,460. Published Aug. 28, 1951. Class 2.

551,248. Poultry—Namely, Frozen and Fresh Dressed Turkeys. California Turkey Growers Association, San Francisco, Calif.
Filed Nov. 30, 1949, Serial No. 588,548. Published Nov. 21, 1950. Class 46.

551,249. Poultry—Namely, Frozen and Fresh Dressed Turkeys. California Turkey Growers Association, San Francisco, Calif.
Filed Nov. 30, 1949, Serial No. 588,549. Published Nov. 21, 1950. Class 46.

551,250. Poultry—Namely, Frozen and Fresh Dressed Turkeys. California Turkey Growers Association, San Francisco, Calif.
Filed Nov. 30, 1949, Serial No. 588,550. Published Nov. 21, 1950. Class 46.

551,251. Canned Sauerkraut. Empire State Pickling Co., Phelps, N. Y.
Filed Dec. 6, 1949, Serial No. 588,857. Published Aug. 7, 1951. Class 46.

551,252. Salt and Buttermilk Feed for Chickens and Hogs. Robert P. Moore, doing business as Forest Farms Products, Rochester, Ind.
Filed Dec. 9, 1949, Serial No. 589,108. Published July 24, 1951. Class 46.

551,253. Honey. R. D. Bradshaw & Sons, Wendell, Idaho.
Filed Dec. 10, 1949, Serial No. 589,141. Published Aug. 7, 1951. Class 46.

551,254. Valve Apparatus Used in Pipe Lines To Regulate Fluid Pressure, Bypass Fluid, and Control Fluid Flow. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed Dec. 14, 1949, Serial No. 589,296. Published Aug. 28, 1951. Class 13.

551,255. Chocolate Covered Patties in the Nature of Candies. Howard D. Johnson Company, Quincy, Mass.
Filed Dec. 14, 1949, Serial No. 589,319. Published Aug. 21, 1951. Class 46.

551,256. Motorized Tools for Milling, Drilling, Boring and Grinding Metals, and Parts Thereof. David S. McCullough, doing business as Versa-Mil Company, New York, N. Y.
Filed Dec. 21, 1949, Serial No. 589,734. Published July 31, 1951. Class 23.

551,257. Canned Infant Food Composed Principally of Whole Cow's Milk, Skim Milk, and Corn Syrup Solids. Maple Island, Inc., Stillwater, Minn., by change of name from Maple Island Farm, Inc.
Filed Jan. 5, 1950, Serial No. 590,380. Published Sept. 4, 1951. Class 46.

551,258. Corsets, Girdles, Brassières, and Combination Foundation Garments. Barcley Corset Company, Newark, N. J.
Filed Jan. 13, 1950, Serial No. 590,795. Published Sept. 4, 1951. Class 39.

551,259. Cameras. Alfa Photo Corp., New York, N. Y., assignor to Agfa Camera Werk Munchen, Munich, Germany, a corporation under United States Administration.
Filed January 17, 1950, Serial No. 590,967. Published May 1, 1951. Class 26.

551,260. Cooked Pork Shoulder Picnics. Glaser's Provisions Co. Inc., Omaha, Nebr.
Filed January 27, 1950, Serial No. 591,570. Published Aug. 28, 1951. Class 46.

551,261. Equipment for Molding Small Individual Plastic Pieces—Namely, Presses, Flasks, Injection Plungers, and Parts Therefor. The Toledo Dental Products Company, Toledo, Ohio.
Filed Jan. 27, 1950, Serial No. 591,596. Published July 24, 1951. Class 23.

551,262. Boxes and Cartons of Paperboard, Fiber, and Corrugated Paper. Waldorf Paper Products Company, St. Paul, Minn.
Filed Jan. 30, 1950, Serial No. 591,704. Published Aug. 28, 1951. Class 2.

551,263. Donuts and Pies. Philip R. Essex, doing business as Saps Bakery and Sap's Bakery, Columbus, Ind.
Filed Feb. 1, 1950, Serial No. 591,773. Published July 17, 1951. Class 46.

551,264. Battery Testers. Jordan Electrical Manufacturing Company, Minneapolis, Minn.
Filed Feb. 8, 1950, Serial No. 592,150. Published July 31, 1951. Class 26.

551,265. Storage Battery Testers. Willard Storage Battery Company, Cleveland, Ohio.
Filed Feb. 8, 1950, Serial No. 592,176. Published July 24, 1951. Class 26.

551,266. Storage Battery Testers. Willard Storage Battery Company, Cleveland, Ohio.
Filed Feb. 8, 1950, Serial No. 592,177. Published July 24, 1951. Class 26.

551,267. Fresh Citrus Fruits. Karl Hoblitzelle, Dallas, Tex.
Filed Feb. 16, 1950, Serial No. 592,567. Published July 24, 1951. Class 46.

551,268. Butter and Cheese. Pollio Dairy Products Corporation, Brooklyn, N. Y.
Filed Feb. 17, 1950, Serial No. 592,660. Published July 31, 1951. Class 46.

551,269. Weighing Scales and Weights. Ohaus Scale Corporation, Newark, N. J.
Filed Mar. 7, 1950, Serial No. 593,545. Published July 24, 1951. Class 26.

551,270. Dressed Turkeys. Roy C. Ferguson, doing business as River Rest Farms, Shawnee, Okla.
Filed Mar. 16, 1950, Serial No. 594,027. Published July 24, 1951. Class 46.

551,271. Potato Chips, Shoe String Potatoes, Pretzels, and Popcorn, Both Buttered, Ready To Eat, and Cheese Coated. Buckeye Foods, Inc., Columbus, Ohio.
Filed Mar. 20, 1950, Serial No. 594,245. Published July 31, 1951. Class 46.

551,272. Oil Burners. Alfred A. Stutzman, doing business under the name of Stutzman Oil Burner Co., Aidan, Pa.
Filed Mar. 22, 1950, Serial No. 594,408. Published Aug. 28, 1951. Class 34.

551,273. Men's, Women's, Boys', Girls', and Children's Outer Shirts, Under Shirts, Trousers, Jacket Coats, and Beachwear—Namely, Cabana Sets, Swim Suits, Swim Trunks, Play Shorts, and Beach Sandals Manufactured From Textiles. Siskind's Tailoring Co., Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,668. Published July 31, 1951. Class 39.

551,274. Poultry and Livestock Feed Supplement Consisting Primarily of Food Ingredients. William Krout's Sons, Chalfont, Pa.
Filed Mar. 30, 1950, Serial No. 594,906. Published July 31, 1951. Class 46.

551,275. Men's Hats. Adam Hat Stores, Inc., New York, N. Y.
Filed Mar. 31, 1950, Serial No. 594,938. Published July 24, 1951. Class 39.

551,276. Men's and Women's Suits and Coats. Nick Bloom, Inc., Baltimore, Md., and Washington, D. C., by change of name from The Eutaw Tailoring Co., also doing business as Nick Bloom.
Original filed, act of 1946, Supplemental Register, Apr. 6, 1950; amended to application, Principal Register, Mar. 19, 1951, Serial No. 595,314. Published July 24, 1951. Class 39.

551,277. Men's and Women's Suits and Coats. Nick Bloom, Inc., Baltimore, Md., and Washington, D. C., by change of name from The Eutaw Tailoring Co., also doing business as Nick Bloom.
Original filed, act of 1946, Supplemental Register, Apr. 6, 1950; amended to application, Principal Register, Mar. 19, 1951, Serial No. 595,315. Published July 24, 1951. Class 39.

551,278. Manifold Insert for Promoting More Complete Carburetion. Leonard M. Weeks, doing business as Weeks Gas Tur-B-Lizer Company, Milwaukee, Wis.
Filed Apr. 12, 1950, Serial No. 595,632. Published July 24, 1951. Class 23.

551,279. Combined Temperature Regulators and Automatic Gas Cut-Offs Including a Gas Cock, a Thermostat, and an Automatic Pilot Burner Control. Robertshaw-Fulton Controls Company, Greensburg, Pa.
Filed Apr. 14, 1950, Serial No. 595,738. Published July 31, 1951. Class 26.

551,280. Men's Dress, Negligee, and Work Shirts, and Boys' Shirts. H. D. Baskind & Co., Inc., New York, N. Y.
Filed Mar. 18, 1950, Serial No. 595,806. Published July 31, 1951. Class 39.

551,281. Plastic Cups and Coasters. Northwest Plastics, Incorporated, St. Paul, Minn.
Filed Apr. 17, 1950, Serial No. 595,850. Published Sept. 4, 1951. Class 2.

551,282. Men's and Boys' Hats. Etchison Hat Company, Inc., Richmond, Va.
Filed Apr. 20, 1950, Serial No. 596,017. Published July 24, 1951. Class 39.

551,283. Oil Refining and Fractionating Apparatus—Namely, Tower Liners, Trays, Decks, and Parts Thereof. Fritz W. Glitsch & Sons, Inc., Dallas, Tex.
Filed May 1, 1950, Serial No. 596,662. Published Aug. 7, 1951. Class 23.

551,284. Aluminum Foil, Coated and Uncoated; and Aluminum Foil Combined With Paper, Cloth, Wood, Plastic, and Similar Sheet Materials. Republic Foil and Metal Mills Incorporated, Danbury, Conn.
Filed May 3, 1950, Serial No. 596,802. Published Sept. 4, 1951. Class 14.

551,285. Women's and Misses' Hats. D. B. Fisk & Company, Chicago, Ill.
Filed May 10, 1950, Serial No. 597,200. Published July 24, 1951. Class 39.

551,286. Ladies' Raincoats. Albatross-Franz Mayer Corp., Long Island City, N. Y.
Filed May 19, 1950, Serial No. 597,724. Published Aug. 28, 1951. Class 39.

551,287. Slips and Slips Provided With Breast Pads. Sol Friedman & Sons, New York, N. Y.
Filed May 20, 1950, Serial No. 597,825. Published Sept. 4, 1951. Class 39.

551,288. Metal Cases Sold Empty for Carrying Bottles. Metal Carrier Corp., Grand Rapids, Mich.
Filed May 22, 1950, Serial No. 597,892. Published Aug. 28, 1951. Class 2.

551,289. Cold Solder Consisting of Fine Metallic Powder Suspended in a Solution of Plastics and Solvents, Used in Automotive Body Repair and Also General Repair. H. K. Porter, Inc., Somerville, Mass.
Filed May 22, 1950, Serial No. 597,902. Published Aug. 28, 1951. Class 14.

551,290. Subsurface Pumps and Parts Thereof. Oil Well Supply Company, Dallas, Tex.
Filed May 23, 1950, Serial No. 597,974. Published Sept. 4, 1951. Class 23.

551,291. Textile Fabrics of Cotton, Rayon, Nylon, and Mixtures Thereof Having Heat Reflective and/or Heat Retentive Properties. The Vadium Corporation, Wilmington, Del.
Filed May 23, 1950, Serial No. 597,990. Published Sept. 4, 1951. Class 42.

551,292. Stabilizer and Balancer in Powdered Form for Addition to Mixes Used in Making Doughnuts, Cake, and Other Similar Sweet Goods. Arthur T. Coakley, trading as Unit Products, Catonsville, Md.
Filed May 25, 1950, Serial No. 598,066. Published Aug. 7, 1951. Class 46.

551,293. Junior Misses' and Ladies' Dresses, Coats, Suits, Skirts, Blouses, and Jackets. R & K Dress Corporation, New York, N. Y.
Filed May 27, 1950, Serial No. 598,273. Published Sept. 4, 1951. Class 39.

551,294. Children's T Shirts. Ahmco Products, Incorporated, Cambridge, Mass.
Filed June 2, 1950, Serial No. 598,446. Published July 3, 1951. Class 39.

551,295. Portable Stove for Outdoor and Indoor Cooking. Frederick H. Bartz, Chicago, Ill.
Filed June 6, 1950, Serial No. 598,627. Published Sept. 4, 1951. Class 34.

551,296. Metallic Kegs Used for Shipping Liquid Chemicals. Heintz Manufacturing Company, Philadelphia, Pa.
Filed June 7, 1950, Serial No. 598,727. Published Aug. 28, 1951. Class 2.

551,297. Ladies' Pajamas, Pajama Coats, Beach Coats, Smock Coats, Utility Coats, and Bath Robes. Kaylon Incorporated, New York, N. Y.
Filed June 20, 1950, Serial No. 599,438. Published Aug. 28, 1951. Class 39.

551,298. Men's Neckties and Scarves. Cerruti, Incorporated, New York, N. Y., and elsewhere.
Filed June 23, 1950, Serial No. 599,612. Published July 24, 1951. Class 39.

551,299. Men's Neckties and Scarves. Cerruti, Incorporated, New York, N. Y., and elsewhere.
Filed June 23, 1950, Serial No. 599,613. Published July 24, 1951. Class 39.

551,300. Dairy, Horse, Stock, and Poultry Feeds Composed Principally of Grains; Wheat Flour. Tex-O-Kan Flour Mills Co., now by change of name Burrus Mills, Incorporated, Dallas, Tex.
Filed July 10, 1950, Serial No. 599,678. Published May 29, 1951. Class 46.

551,301. Hosiery for Women and Girls. Bryan Full Fashioned Mills, Chattanooga, Tenn.
Filed June 29, 1950, Serial No. 599,928. Published Aug. 28, 1951. Class 39.

551,302. Robes. Royal Robes, Inc., New York, N. Y.
Filed July 7, 1950, Serial No. 600,354. Published July 31, 1951. Class 39.

551,303. Burlap Bags. Bemis Bro. Bag Company, St. Louis, Mo.
Filed July 18, 1950, Serial No. 600,808. Published Sept. 4, 1951. Class 2.

551,304. Ladies', Misses', and Girls' Underwear and Sweaters. Associated Lerner Shops of America, Inc., New York, N. Y.
Filed July 24, 1950, Serial No. 601,132. Published Sept. 4, 1951. Class 39.

551,305. Ladies' Hosiery. Reamstown Hosiery Mills, Inc., Mohnton, Pa.
Filed July 29, 1950, Serial No. 601,464. Published Aug. 28, 1951. Class 39.

551,306. Fresh Whole Tomatoes and Leaf Lettuce. Marion County Greenhouse Growers, Inc., Indianapolis, Ind.
Filed Aug. 5, 1950, Serial No. 601,803. Published July 31, 1951. Class 46.

551,307. Manually-Operated Sprayers, for Diffusing and Spraying Insecticides, Fungicides, Disinfectants, Deodorants, Cold Water Paints, Whitewash, and Similar Preparations in Sprayable Form. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 8, 1950, Serial No. 601,917. Published July 31, 1951. Class 23.

551,308. Misses' Dresses and Play Suits. Carol Crawford, Inc., New York, N. Y.
Filed Aug. 14, 1950, Serial No. 602,142. Published Sept. 4, 1951. Class 39.

551,309. Binoculars. Manhattan Novelty Corporation, New York, N. Y.
Filed Aug. 16, 1950, Serial No. 602,268. Published July 31, 1951. Class 26.

551,310. Men's, Ladies', and Children's Nightgowns, Pajamas, and Underwear. William Rifkin & Sons, Philadelphia, Pa.
Filed Aug. 17, 1950, Serial No. 602,336. Published Aug. 28, 1951. Class 39.

551,311. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Sept. 9, 1950, Serial No. 603,360. Published Aug. 28, 1951. Class 42.

551,312. Dressed Poultry for Food Purposes. Elmer H. Wene, doing business as Wene Poultry Laboratories, Vineland, N. J.
Filed Sept. 12, 1950, Serial No. 603,468. Published July 24, 1951. Class 46.

551,313. Textile Rugs and Carpets. Nye-Wait Company, Inc., Auburn, N. Y.
Filed Sept. 15, 1950, Serial No. 603,594. Published Aug. 28, 1951. Class 42.

551,314. Caps for Men, Women, Boys, and Girls. The Brittany Hat Co. Inc., New York, N. Y.
Filed Sept. 16, 1950, Serial No. 603,629. Published July 24, 1951. Class 39.

551,315. Hats for Men and Women. Hat Corporation of America, Norwalk, Conn.
Filed Sept. 23, 1950, Serial No. 603,925. Published July 31, 1951. Class 39.

551,316. Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Vegetables, Fresh Cantaloupes, and Fresh Watermelons. Palm Terrace Fruit Company, Mount Dora, Fla.
Filed Sept. 23, 1950, Serial No. 603,937. Published Aug. 7, 1951. Class 46.

551,317. Steel in the Form of Strips and Sheets. The Carpenter Steel Company, Reading, Pa.
Filed Sept. 27, 1950, Serial No. 604,068. Published Aug. 28, 1951. Class 14.

551,318. Wheat Offal Sold as Animal Feed. Montana Flour Mills Company, Great Falls, Mont.
Filed Oct. 3, 1950, Serial No. 604,379. Published July 31, 1951. Class 46.

551,319. Collets and Collet Holders. Peter Ori, Reading, Pa.
Filed Oct. 3, 1950, Serial No. 604,381. Published Aug. 14, 1951. Class 23.

551,320. Sensitized Printing Mats. Ditto, Incorporated, Chicago, Ill.
Filed Oct. 7, 1950, Serial No. 604,573. Published Aug. 14, 1951. Class 26.

551,321. Canned Fruits, Canned Vegetables, Canned Fish, Canned Fruit Juices, Canned Vegetable Juices, Canned Tomato Paste, Tomato Catsup, and Berry Preserves. I. F. Schnier, doing business as Robert-Frank Company, San Francisco, Calif.
Filed Oct. 7, 1950, Serial No. 604,599. Published Aug. 7, 1951. Class 46.

551,322. Tomato Catsup and Pickles. The J. Weller Co., Oak Harbor, Ohio.
Filed Oct. 9, 1950, Serial No. 604,674. Published July 31, 1951. Class 46.

551,323. Outer Shirts. J. Harold Werner, Inc., doing business as Barclays, Cleveland, Ohio.
Filed Oct. 10, 1950, Serial No. 604,709. Published July 24, 1951. Class 39.

551,324. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Oct. 12, 1950, Serial No. 604,780. Published Aug. 28, 1951. Class 2.

551,325. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Oct. 12, 1950, Serial No. 604,782. Published Aug. 28, 1951. Class 2.

551,326. Cellophane Bags. Champion Bag Company, Chicago, Ill.
Filed Oct. 13, 1950, Serial No. 604,837. Published Aug. 28, 1951. Class 2.

551,327. Macaroni for Use in Making Salads. The American Beauty Macaroni Co., Kansas City, Mo.
Filed Oct. 23, 1950, Serial No. 605,291. Published Aug. 28, 1951. Class 46.

551,328. Shell-Shaped Macaroni. The American Beauty Macaroni Co., Kansas City, Mo.
Filed Oct. 23, 1950, Serial No. 605,292. Published Aug. 28, 1951. Class 46.

551,329. Hats and Caps for Men, Women, and Children. John B. Stetson Company, Philadelphia, Pa.
Filed Oct. 27, 1950, Serial No. 605,499. Published July 24, 1951. Class 39.

551,330. Dog Food. The Meat Products Company, Cleveland, Ohio.
Filed Oct. 30, 1950, Serial No. 605,600. Published July 24, 1951. Class 46.

551,331. Ladies' Scarfs. Jack Davis, New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,633. Published July 31, 1951. Class 39.

551,332. Food Processing Products—Namely, Brominated Apricot Kernel Oil and Brominated Olive Oil. S. B. Penick & Company, New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,676. Published July 24, 1951. Class 46.

551,333. Rice. Thomas & Howard Company, Charleston, S. C.
Filed Nov. 10, 1950, Serial No. 606,246. Published Aug. 7, 1951. Class 46.

551,334. Women's Hosiery. The Nolde and Horst Company, Reading, Pa.
Filed Nov. 16, 1950, Serial No. 606,479. Published Aug. 28, 1951. Class 39.

551,335. Ladies' Hats. Emporium World Millinery Co., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,518. Published Aug. 21, 1951. Class 39.

551,336. Ladies' Hats. Emporium World Millinery Co., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,519. Published July 31, 1951. Class 39.

551,337. Women's Hats. Emporium World Millinery Co., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,522. Published Aug. 21, 1951. Class 39.

551,338. Wood Working Machines—Namely, Veneer Patching Machines and Plugging Machines, and Parts Thereof. Henry Wiegand Corporation, New York, N. Y.
Filed Nov. 22, 1950, Serial No. 606,834. Published Aug. 7, 1951. Class 23.

551,339. Women's Combination Garments Consisting of Jumpers and Aprons. Charles Hirsch & Co. Inc., New York, N. Y.
Filed Dec. 2, 1950, Serial No. 607,221. Published Sept. 4, 1951. Class 39.

551,340. Candy. The House of Bauer, doing business as "Bauer's," Lincoln, Nebr.
Filed Dec. 4, 1950, Serial No. 607,251. Published Sept. 4, 1951. Class 46.

551,341. Bread. Koepplinger's Bakery, Detroit, Mich.
Filed Dec. 4, 1950, Serial No. 607,255. Published Sept. 4, 1951. Class 46.

551,342. Brassières. Wharton Brassiere Co., Inc., Wharton, N. J., assignor to Top Form Brassiere Co., Inc., Germantown, N. Y., a corporation of New York.
Filed Dec. 5, 1950, Serial No. 607,303. Published Sept. 4, 1951. Class 39.

551,343. Ferrous Castings. The International Nickel Company, Inc., New York, N. Y.
Filed Dec. 8, 1950, Serial No. 607,430. Published Aug. 28, 1951. Class 14.

551,344. Ferrous Castings. The International Nickel Company, Inc., New York, N. Y.
Filed Dec. 8, 1950, Serial No. 607,432. Published Aug. 28, 1951. Class 14.

551,345. Cotton Yarn. United Hosiery Mills Corporation, Chattanooga, Tenn.
Filed Dec. 28, 1950. Serial No. 608,183. Published Sept. 4, 1951. Class 43.

551,346. Milling Machines. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Nov. 22, 1950, Serial No. 608,396. Published July 31, 1951. Class 23.

551,347. Yarns Spun of Nylon Fibers, Cotton Fibers, and Mixtures Thereof. Aberfoyle Manufacturing Company, Chester, Pa.
Filed Jan. 5, 1951, Serial No. 608,402. Published Sept. 4, 1951. Class 43.

551,348. Twine. Paulsen-Webber Cordage Corporation, New York, N. Y.
Filed Jan. 6, 1951, Serial No. 608,473. Published Sept. 4, 1951. Class 7.

551,349. Frocks for Children and Girls. Einhorn Brothers, Inc., Philadelphia, Pa.
Filed Jan. 10, 1951, Serial No. 608,594. Published Sept. 4, 1951. Class 39.

551,350. Frocks for Children and Girls. Einhorn Brothers, Inc., Philadelphia, Pa.
Filed Jan. 10, 1951, Serial No. 608,595. Published Sept. 4, 1951. Class 39.

551,351. Girdles. Van Raalte Company, Inc., New York, N. Y.
Filed Jan. 22, 1951, Serial No. 609,113. Published Sept. 4, 1951. Class 39.

551,352. Window Curtains, Pillow Shams, Bedspreads, and Dressing Table Skirts. G & G Novelties, Inc., New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,294. Published Sept. 4, 1951. Class 42.

551,353. Cotton Textile Products—Namely, Rugs and Carpeting. Eugene T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga.
Filed Feb. 10, 1951, Serial No. 609,905. Published Sept. 4, 1951. Class 42.

551,354. Textile Fabrics in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Combinations Thereof. Tanbro Fabrics Corp., New York, N. Y.
Filed Feb. 17, 1951, Serial No. 610,241. Published Sept. 4, 1951. Class 42.

551,355. Woven Carpets. Joseph M. Adamo, doing business under the fictitious name and style of Adamo Co., Los Angeles, Calif.
Filed Feb. 23, 1951, Serial No. 610,399. Published Sept. 4, 1951. Class 42.

551,356. Asbestos Stove Wicking. Raybestos-Manhattan, Inc., Passaic, N. J.
Filed Mar. 31, 1951, Serial No. 612,087. Published Aug. 14, 1951. Class 34.

551,357. Playing Cards. S. H. Kress and Company, New York, N. Y.
Filed June 9, 1951, Serial No. 614,990. Published Aug. 28, 1951. Class 22.

551,358. Playing Cards. S. H. Kress and Company, New York, N. Y.
Filed June 9, 1951, Serial No. 614,991. Published Aug. 28, 1951. Class 22.

Service Marks

551,359. Services Rendered to Automobiles, Trucks, and Other Automotive Vehicles—Namely, Lubrication, Washing, Polishing, Repairing, Motor Tuning, Battery Charging, Tire Repairing and Changing, Air Cleaner Maintenance and Repair, Spark Plug Cleaning and Regapping. The Pure Oil Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,988. Published Sept. 4, 1951. Class 103.

551,360. Rug Cleaning and Upholstery Cleaning Service. Adler and Son, Bayonne, N. J.
Filed Sept. 16, 1947, Serial No. 534,585. Published Aug. 28, 1951. Class 103.

551,361. Underwriting of Insurance—Namely, Fire, Extended Coverage, Etc. Northwestern Mutual Fire Association, Seattle, Wash.
Original filed, act of 1946, Supplemental Register, Nov. 17, 1947; amended to application, Principal Register, Feb. 12, 1949, Serial No. 541,442. Published Aug. 28, 1951. Class 102.

551,362. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,898. Published Aug. 28, 1951. Class 104.

551,363. Servicing of Connection Devices—Namely, the Servicing and Repairing of Rotary Unions and Flexible Metal Hose. Perfecting Service Company, Charlotte, N. C.
Filed Aug. 30, 1948, Serial No. 564,400. Published Apr. 17, 1951. Class 103.

551,364. Electrical Surveys for the Location of Relatively Shallow Placer and Lode Deposits of Gold and Other Minerals, and Other Buried Materials Whose Electrical Properties Differ Sufficiently From Those of the Surrounding Earth. William M. Barret, Inc., Shreveport, La.
Filed May 23, 1949, Serial No. 579,305. Published Aug. 28, 1951. Class 100.

551,365. Advertising Service Through the Medium of a Radio Program, e. g. Detective Stories. Street & Smith Publications, Inc., New York, N. Y.
Filed May 2, 1950, Serial No. 596,761. Published Aug. 28, 1951. Class 101.

551,366. Radio Teleprinter Communication Services. RCA Communications, Inc., New York, N. Y.
Filed Aug. 10, 1950, Serial No. 602,066. Published Aug. 28, 1951. Class 104.

551,367. Entertainment Service, the Service Being a Thrill Show in Which Are Used Automobiles, Motorcycles, and Helicopters; the Said Vehicles Being Used in Stunting and in Performances Before Grandstands at Fairgrounds and Race Tracks, and in News Reels. Aut Swenson, Springfield, Mo.
Filed Nov. 9, 1950, Serial No. 606,180. Published Sept. 4, 1951. Class 107.

551,368. Entertainment Service, the Service Being a Thrill Show in Which Are Used Automobiles, Motorcycles, and Helicopters; the Said Vehicles Being Used in Stunting and in Performances Before Grandstands at Fairgrounds and Race Tracks, and in News Reels. Aut Swenson, Springfield, Mo.
Filed Nov. 9, 1950, Serial No. 606,181. Published Sept. 4, 1951. Class 107.

Certification Mark

551,369. Cutting and Setting of Hair, the Creating of Permanent Waves, the Tinting of Hair, Application of Facial Treatments, Manicures, and Pedicures. The Journeymen Barbers, Hairdressers and Cosmetologists' International Union of America, Indianapolis, Ind.
Filed Jan. 12, 1948, Serial No. 550,005. Published Aug. 28, 1951. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

551,370. (Class 16. Paints and Painters' Materials.) The M. W. Kellogg Company, Jersey City, N. J., and New York, N. Y. Original filed, act of 1905, Sept. 9, 1944; amended to application under act of 1946, Supplemental Register, Mar. 26, 1948, Serial No. 474,035.

KELLOGG

For Ready Mixed Paints.
Claims use since Aug. 1, 1944.

551,371. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Wire Forms, Inc., New York and Brooklyn, N. Y. Original filed, act of 1905, June 2, 1947; amended to application under act of 1946, Supplemental Register, May 15, 1951, Serial No. 523,443.

"V-GRIP"

For Spring Clamps To Support Lamps and the Like Articles.
Claims use since Nov. 12, 1941.

551,372. (Class 45. Soft Drinks and Carbonated Waters.) Gerald G. Balch, doing business as Balch Flavor Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Nov. 21, 1947; amended to application, Supplemental Register, Apr. 5, 1950, Serial No. 541,911.

nu-berri

For Flavoring Material for Maltless Soft Drinks.
Claims use since Nov. 5, 1947.

551,373. (Class 16. Paints and Painters' Materials.) The Sheffield Bronze Paint Corp., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Apr. 17, 1948; amended to application, Supplemental Register, Dec. 1, 1949, Serial No. 554,925.

ALUMI-ROOF

For Aluminum Roof Paint.
Claims use since Feb. 1, 1948.

551,374. (Class 45. Soft Drinks and Carbonated Waters.) James D. Guest, doing business as The TruGrape Co., Duncan, Okla. Original filed, act of 1946, Principal Register, June 3, 1948; amended to application, Supplemental Register, Mar. 3, 1950, Serial No. 558,388.

TruGrape

For Nonalcoholic Maltless Beverage Sold as a Soft Drink.
Claims use since June 15, 1942.

551,375. (Class 45. Soft Drinks and Carbonated Waters.) Dr. Pepper Company, Dallas, Tex. Original filed, act of 1946, Principal Register, July 19, 1948; amended to application, Supplemental Register, Aug. 24, 1950, Serial No. 561,659.

Drink A BITE TO EAT

For Non-Alcoholic, Maltless Beverages Sold as a Soft Drink, and Syrups for Making Same.
Claims use since Dec. 1, 1927.

551,376. (Class 6. Chemicals and Chemical Compositions.) Knapp-Monarch Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Oct. 30, 1948; amended to application, Supplemental Register, July 21, 1951, Serial No. 567,918.

deoder-mist

For Filled Deodorant Dispensers in the Nature of Non-Mechanical Pressure Type Canisters Provided With Control Valves.
Claims use since October 1947.

551,377. (Class 22. Games, Toys, and Sporting Goods.) South Bend Bait Company, South Bend, Ind. Original filed, act of 1946, Principal Register, Feb. 2, 1949; amended to application, Supplemental Register, Mar. 26, 1951, Serial No. 573,212.

SPINNEREEL

For Fishing Reels.
Claims use since Dec. 21, 1948.

551,378. (Class 46. Foods and Ingredients of Foods.) Dorothy A. Long, doing business as Dawnwood Farms, Amenia, N. Y. Original filed, act of 1946, Principal Register, Apr. 2, 1949; amended to application, Supplemental Register, Feb. 14, 1951, Serial No. 576,544.

CAF-LAC

For Concentrated Calf Feed, the Principal Ingredients of Which Are Ground Rolled Oats—Flour Middlings—Vitamin A Feeding Oil—Alfalfa Leaf Meal—Skim Milk Powder—Dried Brewers Yeast—Irradiated Dry Yeast (Vit. D)—Wheat Germ (Vit. E).
Claims use since Mar. 26, 1949.

551,379. (Class 45. Soft Drinks and Carbonated Waters.) Jewell Water Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 23, 1949; amended to application, Supplemental Register, July 23, 1951, Serial No. 577,576.

Jewell

Applicant claims ownership of Registration No. 238,139.
For Spring Water, and Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Oct. 1, 1926.

551,380. (Class 1. Raw or Partly Prepared Materials.) Ferry-Morse Seed Co., Detroit, Mich. Original filed, act of 1946, Principal Register, May 21, 1949; amended to application, Supplemental Register, Aug. 15, 1951, Serial No. 579,271.

Let the good earth produce



For Seeds—Namely, Vegetable, Flower and Grass Seeds.
Claims use since July 1943.

551,381. (Class 50. Merchandise Not Otherwise Classified.) Albert Basse Associates, Inc., Boston, Mass. Original filed, act of 1946, Principal Register, June 14, 1949; amended to application, Supplemental Register, Sept. 6, 1951, Serial No. 580,392.

SPEEDI-SCORE

For Bulletin Boards Used To Indicate the Progress of Fund Raising Campaigns.
Claims use since May 18, 1949.

551,382. (Class 22. Games, Toys, and Sporting Goods.) William A. Martin, doing business as Martin Specialty Company, Grand Island, Nebr. Original filed, act of 1946, Principal Register, June 14, 1949; amended to application, Supplemental Register, Dec. 20, 1950, Serial No. 580,417.



For Pocket Cases, Envelopes and Similar Items for Carrying Fishing Leaders.
Claims use since Apr. 14, 1949.

551,383. (Class 46. Foods and Ingredients of Foods.) Mixtone Products Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Aug. 1, 1949; amended to application, Supplemental Register, Aug. 11, 1951, Serial No. 582,796.

MIXTONE

For Emulsifier and Stabilizer for Ice Cream and Sherbet.
Claims use since August 1947.

551,384. (Class 26. Measuring and Scientific Appliances.) Robert Bagby, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 5, 1949; amended to application, Supplemental Register, July 11, 1950, Serial No. 583,020.

TRAV-L-VUES

For Positive Photographic Film Slides of Travel Scenes.
Claims use since June 30, 1949.

551,385. (Class 1. Raw or Partly Prepared Materials.) Ferry-Morse Seed Co., Detroit, Mich. Filed Aug. 23, 1949, Serial No. 586,218.

You can have a better garden with FERRY'S SEEDS

The word "Seeds" is disclaimed.
For Seeds—Namely, Vegetable, Flower and Grass Seeds.
Claims use since July 1948.

551,386. (Class 12. Construction Materials.) International Felt Corp., Emaus and Philadelphia, Pa. Original filed, act of 1946, Principal Register, Oct. 14, 1949; amended to application, Supplemental Register, Mar. 17, 1951, Serial No. 586,283.



For Felt Floor Covering for Use Under Inlaid Flooring, Asphalt and Rubber Tile and Hardwood Floors.
Claims use since Aug. 1, 1949.

551,387. (Class 38. Prints and Publications.) Kenneth C. De Groff, South Bend, Ind. Original filed, act of 1946, Principal Register, Oct. 19, 1949; amended to application, Supplemental Register, June 29, 1951, Serial No. 586,525.

de Groff

For Photographs.
Claims use since October 1946.

551,388. (Class 37. Paper and Stationery.) Brown Company, Portland, Maine. Original filed, act of 1946, Principal Register, Nov. 7, 1949; amended to application, Supplemental Register, Aug. 30, 1951, Serial No. 587,422.



Applicant claims ownership of Registrations Nos. 90,957, 110,721, and others.
For Paper Towels.
Claims use since Apr. 15, 1948.

551,389. (Class 39. Clothing.) Fitts Dry Goods Company, Kansas City, Mo. Filed Nov. 9, 1949, Serial No. 587,542.

FITTS-RITE

For Men's and Boys' Overalls and Dungarees.
Claims use since Aug. 27, 1947.

551,390. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Wortendyke Manufacturing Company, Richmond, Va. Original filed, act of 1946, Principal Register, Dec. 19, 1949; amended to application, Supplemental Register, May 23, 1951, Serial No. 589,613.

Super-Fine

The word "Super-Fine" is disclaimed. Applicant claims ownership of Registrations Nos. 353,289 and 517,900.
For Woven, Knitted, and Netted Fabrics Made of Paper and Sold by the Yard.
Claims use since Nov. 16, 1949.

551,391. (Class 16. Paints and Painters' Materials.) Luis Winston Company, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 23, 1950; amended to application, Supplemental Register, Mar. 14, 1951, Serial No. 591,330.

PEEL-KLEEN

For Protective Coating for the Walls of Spray Booths, for Stainless Steel, for Packages, and for Protecting Plated or Finished Items Against Scratching.
Claims use since July 27, 1949.

551,392. (Class 33. Glassware.) Bernard Graham, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, May 4, 1950; amended to application, Supplemental Register, Sept. 25, 1951, Serial No. 596,841.

Butter-Kwik

For Glass Dish for Serving Corn on the Cob.
Claims use since Apr. 25, 1950.

551,393. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Morgalite Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, June 2, 1950; amended to application, Supplemental Register, Apr. 30, 1951, Serial No. 598,489.



The word "Quilt" is disclaimed.
For Quilted Plastic Film, Sold in Sheets or Rolls Used as a Fabric Substitute for Decorative Coverings, Especially on Closet Accessories.
Claims use since Mar. 10, 1950.

551,394. (Class 12. Construction Materials.) Sealtite Insulation Manufacturing Corporation, Waukesha, Wis. Original filed, act of 1946, Principal Register, June 14, 1950; amended to application, Supplemental Register, June 29, 1951, Serial No. 599,125.

THE NEW SENSATION IN INSULATION
Seal-Foil

For Rock Wool Batts With Aluminum Foil Backing for Use in the Insulation of Walls of Buildings.
Claims use since July 15, 1944.

551,395. (Class 45. Soft Drinks and Carbonated Waters.) Stabilimenti Demaniali Recoaro Società Per Azioni, Milan, Italy. Original filed, act of 1946, Principal Register, July 12, 1950; amended to application, Supplemental Register, Mar. 23, 1951, Serial No. 600,552.



Priority under Sec. 44(d). Italian application No. 575 filed Mar. 15, 1950, Registration No. 95,993, dated Mar. 15, 1950. The word "Chinotto" is an Italian word meaning a small orange type fruit having a bitter taste. The word "Bibita" is Italian for drink. The drawing is lined for the colors black, blue, green and red. Applicant claims ownership of Italian Registration No. 95,993, dated Mar. 15, 1950.
For Non-Alcoholic Maltless Soft Drinks and Carbonated Waters.

551,396. (Class 39. Clothing.) Hanes Hosiery Mills Company, Winston-Salem, N. C., and New York, N. Y. Original filed, act of 1946, Principal Register, July 21, 1950; amended to application, Supplemental Register, June 18, 1951, Serial No. 601,037.

Back-Beauty

For Ladies' Hosiery.
Claims use since June 1, 1950.

551,397. (Class 39. Clothing.) Hanes Hosiery Mills Company, Winston-Salem, N. C., and New York, N. Y. Original filed, act of 1946, Principal Register, July 21, 1950; amended to application, Supplemental Register, June 18, 1951, Serial No. 601,038.

Beauty-Back

For Ladies' Hosiery.
Claims use since June 1, 1950.

551,398. (Class 39. Clothing.) Gustinettes Incorporated, New York, N. Y. Original filed, act of 1946, Principal Register, July 24, 1950; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 601,143.

ORIGINAL

The name "M. Gustin" is the name of a living individual whose consent to register is of record. Applicant claims ownership of Registration No. 507,206.
For Women's Evening Shoes and Slippers.
Claims use since May 15, 1950.

551,399. (Class 28. Jewelry and Precious-Metal Ware.) Jacoby-Bender, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 11, 1950; amended to application, Supplemental Register, Sept. 17, 1951, Serial No. 602,094.

GOLDEN BAGUETTE

For Watch Bracelets.
Claims use since June 1, 1950.

551,400. (Class 45. Soft Drinks and Carbonated Waters.) Hartman Beverage Company, Knoxville, Tenn. Original filed, act of 1946, Principal Register, Aug. 15, 1950; amended to application, Supplemental Register, July 13, 1950, Serial No. 602,197.



For Non-Alcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups for Making the Same.
Claims use since Sept. 24, 1948.

551,401. (Class 1. Raw or Partly Prepared Materials.) Jewel Foliage Company, San Antonio, Tex. Original filed, act of 1946, Principal Register, Aug. 15, 1950; amended to application, Supplemental Register, Sept. 12, 1951, Serial No. 602,201.



For Flowers and Ferns.
Claims use since Jan. 15, 1950.

551,402. (Class 18. Medicines and Pharmaceutical Preparations.) S. T. S. Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Sept. 1, 1950; amended to application, Supplemental Register, Sept. 11, 1951, Serial No. 603,087.

ODORID

For Chlorophyll Tablets Taken Internally as a Deodorant.
Claims use since July 26, 1950.

551,403. (Class 47. Wines.) H & H Distributing Company, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 29, 1950; amended to application, Supplemental Register, July 28, 1951, Serial No. 604,199.

HANNAH HOGG

Applicant claims ownership of Registration No. 409,724.
For Wines.
Claims use since Apr. 20, 1950.

551,404. (Class 50. Merchandise Not Otherwise Classified.) Christine Block, doing business as Wee-Form, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 9, 1950; amended to application, Supplemental Register, Sept. 20, 1951, Serial No. 604,612.



For Miniature Mannikins Used as Teaching Aids in Dress Designing.
Claims use since June 15, 1947.

551,405. (Class 47. Wines.) Josephine Personeni, doing business as Personeni Wines, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 14, 1950; amended to application, Supplemental Register, Aug. 9, 1951, Serial No. 606,393.

Personeni Wines

Applicant claims ownership of Registration No. 313,834.
For Burgundy, Chablis, Sauterne, Sherry, Muscatel, and Port Wines.
Claims use since May 1942.

551,406. (Class 37. Paper and Stationery.) John M. Morris, Atlanta, Ga. Filed Nov. 24, 1950, Serial No. 606,880.

"PRES-2-RYT"

For Fountain Pens.
Claims use since Jan. 1, 1949.

551,407. (Class 2. Receptacles.) Kellogg Company, Battle Creek, Mich. Original filed, act of 1946, Principal Register, Dec. 1, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 607,175.

Weather-Foil

For Inner Bag Liner for Cartons Made of Laminated Aluminum Foil.
Claims use since Aug. 7, 1950.

551,408. (Class 52. Detergents and Soaps.) The Re-Clean Corp., New York, N. Y., assignor, by mesne assignments, to Reclean Corp., Brooklyn, N. Y., a corporation of New York. Filed Dec. 28, 1950, Serial No. 608,176.



The drawing is lined for pink.
For Liquid Preparation Used for Cleaning Fabric Articles of Every Description.
Claims use since July 5, 1949.

551,409. (Class 43. Thread and Yarn.) Contessa Yarns, Ridgefield, Conn. Filed Feb. 7, 1951, Serial No. 609,714.



For Threads and Yarns.
Claims use since Jan. 3, 1950.

551,410. (Class 39. Clothing.) Merit Clothing Company, Mayfield, Ky. Filed Mar. 2, 1951, Serial No. 610,752.

MAYFIELD

For Men's Suits.
Claims use since Aug. 8, 1949.

551,411. (Class 22. Games, Toys, and Sporting Goods.) Joseph F. Chamberlin, doing business as Chamberlin Metal Products, Chicago, Ill. Original filed, act of 1946, Principal Register, June 22, 1951; amended to application, Supplemental Register, Sept. 25, 1951, Serial No. 615,538.

Kolapsi Kart

For Hand-Propelled Carts Used by Golfers To Carry Golf Bags and Clubs.
Claims use since January 1945.

551,412. (Class 22. Games, Toys, and Sporting Goods.) Western Lace and Line Company, also doing business as Western Fishing Line Co., Glendale, Calif. Original filed, act of 1946, Principal Register, June 22, 1951; amended to application, Supplemental Register, Sept. 25, 1951, Serial No. 615,590.

GLENDALE

For Fishing Line.
Claims use since June 27, 1947.

551,413. (Class 27. Horological Instruments.) Juvenia Watch Agency, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 6, 1951; amended to application, Supplemental Register, July 31, 1951, Serial No. 616,176.



Applicant claims ownership of Registration No. 100,524.
For Watches, Watch Cases and Parts Thereof.
Claims use since Nov. 18, 1939.

Service Mark

551,414. (Class 105. Transportation and Storage.) Western Air Lines, Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Jan. 13, 1948; amended to application, Supplemental Register, July 24, 1950, Serial No. 546,895.

COASTALINER

For Air Transportation of Passengers, Freight and Mail.
Claims use since Aug. 1, 1947.

TRADE-MARK REGISTRATIONS RENEWED

37,375. PHOSFERINE. Registered Nov. 26, 1901. Ashton & Parsons, Ltd., London, England. Re-renewed Nov. 26, 1951, to Phosferine (Ashton & Parsons), Limited, London and St. Helens, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Pills, Powders, Tablets, Embrocations, Ointments, and Liquids for Use as a Remedy for Weakness, Etc. Class 18.

37,699. TRIPLEX. Registered Jan. 28, 1902. The Yale & Towne Manufacturing Company, Stamford and Branford, Conn., New York, N. Y., Boston, Mass., Philadelphia, Pa., Chicago, Ill., and San Francisco, Calif. Renewed Jan. 28, 1952, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut. Chain-Blocks. Class 23.

83,121. "AKRO" ETC. AND DRAWING. Registered Aug. 22, 1911. The Akro Agate Company, Akron, Ohio. Re-renewed Aug. 22, 1951, to Master Glass Company, Clarksburg, W. Va., a corporation of West Virginia. Playing-Marbles. Class 22.

83,125. AMOPTISCOPE. Registered Aug. 22, 1911. American Optical Company. Re-renewed Aug. 22, 1951, to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts. Magnifying Glasses and Lenses. Class 26.

84,308. "CARTERS" ETC. AND DRAWING. Registered Nov. 28, 1911. James Carter & Co. Re-renewed Nov. 28, 1951, to Carters Tested Seeds Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Seeds for Agricultural and Horticultural Purposes. Class 1.

84,758. "WOLF" AND DRAWING. Registered Jan. 2, 1912. The Spool Cotton Company, Newark, N. J., and New York, N. Y. Re-renewed Jan. 2, 1952, to The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware. Cotton Thread and Yarn. Class 43.

84,759. "ANVIL" AND DRAWING. Registered Jan. 2, 1912. The Spool Cotton Company, Newark, N. J., and New York, N. Y. Re-renewed Jan. 2, 1952, to The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware. Cotton Thread and Yarn. Class 43.

84,760. "TRUMPET" AND DRAWING. Registered Jan. 2, 1912. The Spool Cotton Company, Newark, N. J., and New York, N. Y. Re-renewed Jan. 2, 1952, to The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware. Cotton Thread and Yarn. Class 43.

84,770. "V" AND REPRESENTATION OF GIRL. Registered Jan. 2, 1912. The Vogue Company. Re-renewed Jan. 2, 1952, to The Conde Nast Publications, Inc., New York, N. Y., a corporation of New York. Magazine Published Semi-Monthly. Class 38.

281,066. SED-O-FAX. Registered Mar. 10, 1931. The Adrosol Company, Detroit, Mich. Renewed Mar. 10, 1951, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware. Medicine for the Relief of Pain. Class 18.

283,010. "TIDYOLA" ETC. WITHIN CIRCLE DESIGN. Registered May 12, 1931. Eleanor Douglas Ramsey, Detroit, Mich. Renewed May 12, 1951, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Cleaner in Paste Form for Dishes, Floors, Woodwork, Automobiles, and the Like. Class 52.

283,227. GM. Registered May 19, 1931. General Motors Radio Corporation, Dayton, Ohio. Renewed May 19, 1951, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. Radio Receiving Sets and Parts Thereof. Class 21.

283,457. THE JOURNAL OF BONE AND JOINT SURGERY. Registered May 26, 1931. The American Orthopaedic Association, Boston, Mass. Renewed May 26, 1951, to The American Orthopaedic Association, Richmond, Va., a corporation of Illinois. Quarterly Publication. Class 38.

284,247. "OWECO". Registered June 23, 1931. The Oil Well Engineering Company, Ltd., New York, N. Y., and London and Stockport, England, a corporation organized under the laws of England. Renewed June 23, 1951. Well-Boring Plants for Boring Oil, Gas, Water, and Salt Wells—Namely, Drilling Tools and Machinery for Operating Same, Steel Derricks, Etc. Class 23.

284,556. LONGCHAMP. Registered July 7, 1931. Gabilla, Incorporated, New York, N. Y. Renewed July 7, 1951, to Les Parfumeries De Gabilla, Société Anonyme, Paris, France, a corporation of France. Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet Powder, and Dusting Powder. Class 51.

284,836. ENGLANDAIRE. Registered July 7, 1931. Sasieni London, Ltd. Renewed July 7, 1951, to John Hudson Moore, Inc., New York, N. Y., a corportion of New York. Smokers' Pipes. Class 8.

284,951. LA VIERGE FOLLE. Registered July 14, 1931. Gabilla, Incorporated, New York, N. Y. Renewed July 14, 1951, to Les Parfumeries De Gabilla, Société Anonyme, Paris, France, a corporation of France. Perfume, Toilet Water, Talcum Powder, Sachet Powder, and Dusting Powder. Class 51.

285,638. BUKETS. Registered Aug. 4, 1931. Charles F. Keller, doing business as the Keller Company. Renewed Aug. 4, 1951, to The Keller Company, Mechanicsburg, Ohio, a firm. Diuretic, in Tablet Form. Class 18.

285,773. "KLORT" AND HEAVY UNDERLINE. Registered Aug. 4, 1931. Eton Products, Inc., Newark, N. J. Renewed Aug. 4, 1951, to Lemmon Pharmacal Co., Sellersville, Pa., a corporation of Pennsylvania. Pharmaceutical Mouth Wash. Class 18.

285,976. PRISCILLA. Registered Aug. 11, 1931. Leyse Aluminum Company, Kewaunee, Wis., a corporation of Wisconsin. Renewed Aug. 11, 1951. Aluminum Kitchen and Serving Utensils Consisting of Angel Food Cake Pans, Etc. Class 13.

286,037. BALTEX. Registered Aug. 11, 1931. Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York. Renewed Aug. 11, 1951. Ophthalmic Lenses. Class 26.

286,189. SATURN. Registered Aug. 18, 1931. The Miller Company, Meriden, Conn., a corporation of Connecticut. Renewed Aug. 18, 1951. Electric Lighting Fixtures and Lamps. Class 21.

286,273. TRIPCO. Registered Aug. 25, 1931. Tripoli Barber Supply Co., Inc. Renewed Aug. 25, 1951, to Tripoli Barbers' Supply Company, Philadelphia, Pa., a co-partnership. Hair Tonics and Toilet Waters. Class 51.

286,345. "VL" WITHIN CIRCLE DESIGN. Registered Aug. 25, 1931. Vuitton & Vuitton, Societe a Responsabilite Limitee, Paris, France, a corporation organized under the laws of the Republic of France. Renewed Aug. 25, 1951. Trunks, Valises, Traveling Bags, Satchels, Etc. Class 3.

286,616. "SEICO" WITHIN RECTANGLE DESIGN. Registered Sept. 1, 1931. Seidman & Cohan, Inc. Renewed Sept. 1, 1951, to Hyman Seidman, New York, N. Y. Articles of Jewelry Comprising Bracelets, Finger Rings, Pendants, Etc. Class 28.

286,674. "LA SEÑORITA". Registered Sept. 1, 1931. International Corset Company, Aurora, Ill., a corporation of Illinois. Renewed Sept. 1, 1951. Corsets and Combination Corsets and Brassières. Class 39.

286,699. ALBATEX. Registered Sept. 1, 1931. Society of Chemical Industry in Basle. Renewed Sept. 1, 1951, to Ciba Limited, Basel, Switzerland, a corporation organized under the laws of Switzerland. Chemical Product for Use as an Auxiliary Agent in the Textile Industry. Class 6.

286,947. RONUK. Registered Sept. 8, 1931. Ronuk, Limited, Portslade, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Sept. 8, 1951. Boot Polish. Class 4.

286,989. "CROSS" AND DRAWING. Registered Sept. 8, 1931. W. W. Cross & Company, Incorporated, Portland, Maine. Renewed Sept. 8, 1951, to W. W. Cross & Company, Incorporated, East Jaffrey, N. H., a corporation of Maine. Tacks. Class 13.

287,061. LUSTRA GLUE. Registered Sept. 15, 1931. Pacific Bone Coal & Fertilizing Co. Renewed Sept. 15, 1951, to Consolidated Chemical Industries Inc., San Francisco, Calif., a corporation of Delaware. Glue. Class 5.

287,109. "RILEY'S" ETC. AND DRAWING. Registered Sept. 15, 1931. Riley Brothers (Halifax) Limited, Halifax, England, a limited liability company registered under the laws of Great Britain. Renewed Sept. 15, 1951. Rum and Butter Flavoured Toffee. Class 46.

287,293. "CLOROX" ETC. AND REPRESENTATION OF BOTTLES. Registered Sept. 15, 1931. Clorox Chemical Co., Oakland, Calif., a corporation of Delaware. Renewed Sept. 15, 1951. Bleaching, Cleansing, Antiseptic, and Germicidal Compounds. Class 52.

287,365. CRYSALBA. Registered Sept. 22, 1931. The Iliff-Bruff Chemical Company, Hoopeston, Ill. Renewed Sept. 22, 1951, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. Anhydrous Calcium Sulphate To Be Used as a Cleaning and Polishing Agent in Dentifrices. Class 51.

287,376. GABILLA. Registered Sept. 22, 1931. Gabilla, Incorporated, New York, N. Y. Renewed Sept. 22, 1951, to Les Parfumeries De Gabilla, Société Anonyme, Paris, France, a corporation of France. Perfume, Toilet Water, Face Powder, Liquid Powder, Sachet Powder, Etc. Class 51.

287,387. "UNDER THE CHINA-BERRY TREE." Registered Sept. 22, 1931. L. Bamberger & Co., Newark, N. J. Renewed Sept. 22, 1951, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Bunting in the Piece and Blankets of Textile Fabric. Class 42.

287,505. METALHIDE. Registered Sept. 29, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 29, 1951. Liquid and Paste Paints. Class 16.

287,545. CHROMAX. Registered Sept. 29, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 29, 1951. Pyroxylin Lacquers. Class 16.

287,546. CARHIDE. Registered Sept. 29, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 29, 1951. Liquid and Paste Paints. Class 16.

287,568. "SEKURITY" AND DESIGN. Registered Sept. 29, 1931. Dean Rubber Manufacturing Company. Renewed Sept. 29, 1951, to Wilbur J. Dean, North Kansas City, Mo. Prophylactic Rubber Articles for the Prevention of Contagious Diseases. Class 44.

287,807. "RAINIER GRAPE FRUIT" ETC. AND DRAWING. Registered Oct. 13, 1931. Pacific Products, Inc. Renewed Oct. 13, 1951, to Rainier Brewing Company, San Francisco, Calif., a corporation of California. Non-Alcoholic, Non-Cereal, Maltless Beverages, of Fruit Flavor, Sold as Soft Drinks. Class 45.

287,808. "RAINIER ORANGE DRY" AND DRAWING. Registered Oct. 13, 1931. Pacific Products, Inc. Renewed Oct. 13, 1951, to Rainier Brewing Company, San Francisco, Calif., a corporation of California. Non-Alcoholic, Non-Cereal, Maltless Beverages of Fruit Flavor, Sold as Soft Drinks. Class 45.

287,809. "RAINIER LIME RICKEY" AND DRAWING. Registered Oct. 13, 1931. Pacific Products, Inc. Renewed Oct. 13, 1951, to Rainier Brewing Company, San Francisco, Calif., a corporation of California. Non-Alcoholic, Non-Cereal, Maltless Beverages of Fruit Flavor, Sold as Soft Drinks. Class 45.

288,058. AIRE-FLO. Registered Oct. 20, 1931. Lennox Furnace Company, Marshalltown, Iowa, a corporation of Iowa. Renewed Oct. 20, 1951. Furnaces Using Fuels Such as Coal, Oil, Gas, Wood, Coke, and Such Manufactured Fuels as May Be Burned in Ordinary Coal Grates. Class 34.

288,555. PERMITE. Registered Nov. 3, 1931. Aluminum Industries, Inc., Cincinnati, Ohio, a corporation of Ohio. Renewed Nov. 3, 1951. Gate Valves and Bolts. Class 13.

288,669. "UNDER THE CHINA-BERRY TREE." Registered Nov. 3, 1931. L. Bamberger & Co., Newark, N. J. Renewed Nov. 3, 1951, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Toys—Namely, Rattles, Rag Dolls, Miniature Animals, in Imitation of Dogs, Elephants, Horses, Etc. Class 22.

288,707. DRI-FOG. Registered Nov. 3, 1931. Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Renewed Nov. 3, 1951, to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware. Dusting Machine Operated by Horse or Motor Power for Applying Insecticidal or Fungicidal Dust to Plants To Control the Parasitic Diseases Thereof. Class 23.

288,768. "ELIE SHEETZ" AND REPRESENTATION OF LABEL. Registered Nov. 3, 1931. Martha Washington Candies Company. Renewed Nov. 3, 1951, to Martha Washington Candies Co., Chicago, Ill., a corporation of Illinois. Ice Cream. Class 46.

288,823. BROVIRA. Registered Nov. 3, 1931. Agfa Ansco Corporation, Binghamton, N. Y. Renewed Nov. 3, 1951, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Sensitized Photographic Paper. Class 26.

288,896. PERMITE. Registered Nov. 10, 1931. Aluminum Industries, Inc., Cincinnati, Ohio, a corporation of Ohio. Renewed Nov. 10, 1951. Alloy Castings, Consisting Principally of Aluminum and Copper, Aluminum and Silicon, Aluminum and Zinc. Class 14.

289,399. "BUMP" ETC. AND DESIGN. Registered Nov. 24, 1931. Bump Paper Fastener Company, La Crosse, Wis., a corporation of Wisconsin. Renewed Nov. 24, 1951. Mechanical Paper Fasteners. Class 23.

289,599. "ELIE SHEETZ" AND REPRESENTATION OF LABEL. Registered Dec. 1, 1931. Martha Washington Candies Company. Renewed Dec. 1, 1951, to Martha Washington Candies Co., Chicago, Ill., a corporation of Illinois. Chocolate, Taffy, and Crackers or Biscuits. Class 46.

289,733. GOLDEN BALLET. Registered Dec. 1, 1931. Sklaroff Bros., Philadelphia, Pa. Renewed Dec. 1, 1951, to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. Hosiery. Class 39.

289,739. REXOTA. Registered Dec. 1, 1931. Noblesville Milling Co., Noblesville, Ind. Renewed Dec. 1, 1951, to Acme-Evans Company, Indianapolis, Ind., a corporation of Indiana. Wheat Flour. Class 46.

289,781. "SALUS" ETC. AND PORTRAIT OF WOMAN. Registered Dec. 8, 1931. Sociedad Anonima Mackinnon & Coelho, Limitada Compania Yerbatera, Buenos Aires, Argentina, a corporation organized under the laws of the Republic of Argentina. Renewed Dec. 8, 1951. Yerba Mate. Class 46.

290,136. "M. WASHINGTON" ETC. AND REPRESENTATION OF LABEL. Registered Dec. 22, 1931. Martha Washington Candies Company. Renewed Dec. 22, 1951, to Martha Washington Candies Co., Chicago, Ill., a corporation of Illinois. Candies. Class 46.

290,326. "M. WASHINGTON" ETC. AND PORTRAITS. Registered Jan. 5, 1932. Martha Washington Candies Company. Renewed Jan. 5, 1952, to Martha Washington Candies Co., Chicago, Ill., a corporation of Illinois. Ice Cream. Class 46.

290,333. 15K. Registered Jan. 5, 1932. The Singer Manufacturing Company, Elizabeth, N. J., and New York, N. Y. Renewed Jan. 5, 1952, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey. Sewing Machines, Their Parts and Attachments. Class 23.

290,391. "A" AND DRAWING. Registered Jan. 5, 1932. The Cooley Finishing Company. Renewed Jan. 5, 1952, to Cooley, Incorporated, Pawtucket, R. I., a corporation of Rhode Island. Waterproof Cotton Duck in the Piece Either Painted or Unpainted for Use as Awning Cloth and Similar Purposes. Class 42.

290,498. "SELBY ARCH PRESERVER" ETC. Registered Jan. 5, 1932. The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Renewed Jan. 5, 1952. Women's, Misses', and Children's Shoes Constructed of Leather and/or Fabric. Class 39.

290,532. "DU MAURIER" ETC. AND DESIGN LINED FOR RED, SILVER, AND BLACK. Registered Jan. 5, 1932. Peter Jackson (Tobacco Manufacturer) Limited. Renewed Jan. 5, 1952, to Peter Jackson (Overseas) Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Cigarettes. Class 17.

290,675. DANDY. Registered Jan. 12, 1932. The Clark Thread Company, Newark, N. J. Renewed Jan. 12, 1952, to The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware. Thread and Yarn. Class 43.

290,676. USIT. Registered Jan. 12, 1932. The Clark Thread Company, Newark, N. J. Renewed Jan. 12, 1952, to The Clark Thread Company, Inc., Wilmington, Del., and Clarksdale, Ga., a corporation of Delaware. Thread and Yarn. Class 43.

290,837. AERO. Registered Jan. 19, 1932. National Radiator Corporation. Renewed Jan. 19, 1952, to The National Radiator Company, Johnstown, Pa., a corporation of Maryland. Heating Radiators and Convectors. Class 34.

291,133. "HELEN AYARS" AND DESIGN. Registered Jan. 26, 1932. Puritan Pharmaceutical Company, doing business as Puritan Cosmetics, Inc. Renewed Jan. 26, 1952, to Puritan Cosmetics Company, St. Louis, Mo., a corporation of Missouri. Preparation to Stimulate the Scalp, Deep Hair Wave Lotion, Permanent Wave Oil, Oilated Shampoo, and Hand Cream. Class 51.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

545,912. FERRO. Registered July 31, 1951. Ferro Enamel Corporation, Cleveland, Ohio. Glazed and Enameled Frit and Clay. Class 1. Corrected as follows: In the statement, lines 6 and 7, "glazed and enameled" should be *glaze and enamel.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

290,681. CARNAC PERMAFIT. Registered Jan. 12, 1932. Carnac Cottons, Inc. Cotton Piece Goods. Class 42. New certificate under section 7(c) issued Nov. 27, 1951, to Carnac, Inc., New York, N. Y., a corporation of Delaware.

290,682. PERMAFIT. Registered Jan. 12, 1932. Carnac Cottons, Inc. Cotton Piece Goods. Class 42. New certificate under section 7(c) issued Nov. 27, 1951, to Carnac, Inc., New York, N. Y., a corporation of Delaware.

426,558. "OLD DISCOVERY" AND DESIGN. Registered Dec. 31, 1946. Churchill, Limited. Straight Bourbon Whiskey, Straight Rye Whiskey, and Blended Whiskey. Class 49. New certificate under section 7(c) issued Nov. 27, 1951, to Renfield Importers, Ltd., Newark, N. J., a corporation of New Jersey.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 285,004. Registered July 14, 1931. The Naugatuck Chemical Company, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

TRIMENE BASE

The word "Base" is disclaimed apart from the mark as shown.

For Condensation Product of Formaldehyde and Ethylamine.

Claims use since Sept. 9, 1924.

CLASS 2

RECEPTACLES

Reg. No. 288,575. Registered Nov. 3, 1931. The Popsicle Corporation of the United States, New York, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.

POPSICLE

For Wrappers and Bags Made of Glassine, Vegetable Parchment, Plain and/or Waxed Papers.

Claims use since May 28, 1923.

Reg. No. 288,591. Registered Nov. 3, 1931. Ames Harris Neville Co., San Francisco, Calif., a corporation of California. Republished by registrant.

SHOWOVEN

For Bags Made of Paper, Cotton, Jute or Like Materials. Claims use since May 29, 1931.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 364,463. Registered Jan. 31, 1939. Maple Flooring Manufacturers Association, Chicago, Ill., a voluntary association without capital stock. Republished by registrant.

MFMA

For Lumber.
Claims use since July 1, 1916.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 84,223. Registered Nov. 21, 1911. Firth-Sterling Steel Company, McKeesport, Pa. Republished by Firth Sterling Steel & Carbide Corp., Pittsburgh, Pa., a corporation of Pennsylvania.

RED CHIP

For High-Speed Cutting Steel.
Claims use since May 24, 1911.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 35,404. Registered Nov. 13, 1900. The Trommer Company, Fremont, Ohio. Republished by Verle E. Stuckey, Fremont, Ohio.

PALMIACOL

For Medicament.
Claims use since Feb. 1, 1900.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 406,084. Registered Mar. 7, 1944. A. L. Smith Iron Co., Chelsea, Mass., a corporation of Massachusetts. Republished by registrant.

Smithcraft

For Fluorescent Lighting Fixtures, Wall Lamps and Floor Lamps.
Claims use since 1934.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 255,788. Registered Apr. 30, 1929. The A. L. Smith Iron Works, Chelsea, Mass. Republished by A. L. Smith Iron Co., Chelsea, Mass., a corporation of Massachusetts.

SMITHCRAFT

For Wrought Iron Tables Usable as Pieces of Furniture To Support Various Objects.
Claims use since on or about May 17, 1928.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 389,575. Registered Aug. 12, 1941. United States Stove Company, South Pittsburg, Tenn., a corporation of Tennessee. Republished by registrant.

Lawson

For Gas-Operated Water Heaters and Gas-Operated Heating-Stoves.
Claims use since Feb. 6, 1917.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 82,908. Registered Aug. 1, 1911. Peerless Rubber Manufacturing Company, New Durham, N. J., and New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

"HONEST JOHN"

For Packing Composed of Fibrous Material and Fibrous Material Combined With Metal.
Claims use since 1894.

CLASS 39

CLOTHING

Reg. No. 285,430. Registered July 28, 1931. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

USCO

For Rubber Soles.
Claims use since Jan. 22, 1931.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 352,915. Registered Dec. 14, 1937. Darlington Fabrics Corporation, New York, N. Y., a corporation of Delaware. Republished by registrant.

"Darleen"

For Piece Goods of Cotton, Rayon, Wool, Silk, and Any Other Yarns Used for Fabrics, and Combinations Thereof, Wide Elastic Webbings and Wide Elastic Sheetings Made of Plain Cotton, Rayon, Wool, Silk, and Any Other Yarn Not Rubberized, but Rubber Being Used as a Component Part of the Cloth, Sold by the Yard, Piece, or Bolt, or in Random Lengths.
Claims use since June 24, 1937.

Reg. No. 400,594. Registered Mar. 23, 1943. Sterling Textile Printers Inc., New York, N. Y. Republished by Sterling Textile Printers Co., New York, N. Y., a partnership.

PORCELAIN TONE

The words "A Genuine" and "Tone" are disclaimed apart from the mark as shown.
For Cotton, Rayon, Wool, Spun Rayon, and Silk Piece Goods.
Claims use since Feb. 2, 1942.

CLASS 43

THREAD AND YARN

Reg. No. 285,467. Registered July 28, 1931. The Thread Mills Company, Monticello, Ind. Republished by McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois.

OLD COLONY

For Thread and Yarn.
Claims use since June 24, 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 82,803. Registered July 25, 1911. Key City Packing Co., Port Townsend, Wash. Republished by Pacific American Fisheries, Inc., Bellingham, Wash., a corporation of Delaware.



The word "Salmon" and the picture of a fish are disclaimed apart from the mark as shown.
For Canned Salmon.
Claims use since July 1, 1900.

Reg. No. 263,571. Registered Nov. 5, 1929. Gravenstein Apple Growers Cooperative Association of Sonoma County, Sebastopol, Calif., a corporation of California. Republished by registrant.

Jackie Boy

For Fresh Apples.
Claims use since July 1924.

Reg. No. 288,196. Registered Oct. 20, 1931. Joe Lowe Co. Inc., Brooklyn, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.



No claim is made to the lining on the drawing which indicates yellow.
For Dehydrated Whole Eggs, Dehydrated Egg Yolk, and Dehydrated Egg Albumen.
Claims use since about Jan. 1, 1924.

Reg. No. 288,393. Registered Oct. 27, 1931. The Popsicle Corporation of the United States, New York, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.

POPSICLE

For Non-Alcoholic, Maltless Syrups Used in the Preparation of Frozen Confections.
Claims use since May 28, 1923.

Reg. No. 288,507. Registered Oct. 27, 1931. The Popsicle Corporation of the United States, New York, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.

popsicle

For Frozen Confections.
Claims use since May 28, 1923.

Reg. No. 444,416. Registered Feb. 20, 1951. Deerfield Groves Company, Wabasso, Fla., a corporation of New Jersey. Republished by registrant.

INDIAN DEER

For Fresh Citrus Fruit—Namely, Oranges, Grapefruit, and Tangerines.
Claims use since Dec. 5, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 377,979. Registered May 21, 1940. Chicopee Manufacturing Corporation, New Brunswick, N. J. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.

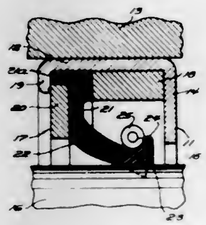
EYELO

For Plant Covers.
Claims use since November 1936.

REISSUES

NOVEMBER 27, 1951

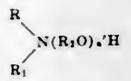
23,431
OIL SEAL
Albert M. Chambers, Jr., Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Original No. 2,542,234, dated February 20, 1951, Serial No. 42,275, August 4, 1948. Application for reissue June 9, 1951, Serial No. 230,827
8 Claims. (Cl. 288—3)



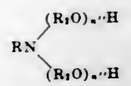
7. A sealing device for sealing an annular space between a rotatable shaft and an opening in a machine part through which the shaft extends, comprising a cup shaped shell having an apertured bottom through which the shaft may extend, and a cylindrical wall; a sealing element comprising a rubber sealing member having a radial web, a sleeve-like sealing flange extending axially from the inner periphery of said web and adapted to effect a running seal with such a shaft, and an outer peripheral portion for effecting a seal with the shell, and a rigid, flat, annular stiffening member fixed to the side of said web remote from the sealing flange and extending radially outwardly short of the cylindrical wall of the shell with the said outer peripheral portion extending between the outer periphery of the stiffening member and the adjacent wall of the shell; and the free edge of the cylindrical wall of the shell extending radially inwardly into position axially overlying both said outer peripheral portion and an outer marginal portion of the stiffening member and in contact with both said outer peripheral portion and said stiffening member, whereby to hold the sealing element within the shell between said last mentioned radially inwardly extending portion of the shell and the bottom of the shell.

23,432
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original No. 2,542,004, dated February 20, 1951, Serial No. 65,088, December 13, 1948. Application for reissue August 28, 1951, Serial No. 244,087
11 Claims. (Cl. 252—341)

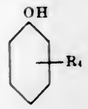
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a hydrophile quaternary ammonium compound obtained by reaction between a hydroxylated high molal amine selected from the class consisting of



and



in which R is an alkyl radical having at least 8 and not more than 26 carbon atoms; R_1 is an alkyl radical having not over 26 carbon atoms; R_2O is an alkylene oxide radical having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, *propylene oxide*, butylene oxide, glycide, and methylglycide radicals; n' represents the numeral 1 to 6, and n'' represents the numeral 1 to 3; and an ester in which the acyl radical is that of an alpha-halogen monocarboxylic acid having not over 6 carbon atoms and the alcoholic radical is that of certain hydrophile polyhydric synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and reactive towards said phenol; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula:

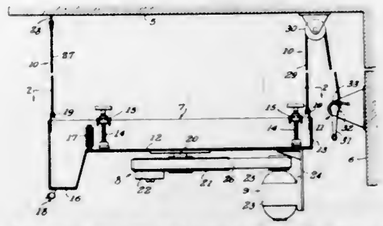


in which R_4 is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in the 2,4,6 position; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent radicals having the formula $(R_3O)_n$, in which R_3 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and "n" is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; and with the final proviso that the hydrophile properties of the ultimate quaternary ammonium compound as well as the oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

PATENTS

GRANTED NOVEMBER 27, 1951

2,576,088
GRAINING MACHINE FOR ZINC OFFSET-PRINTING PLATES
Walter F. Horst, Lubeck, Schleswig-Holstein, Germany
Application September 14, 1950, Serial No. 184,811
6 Claims. (Cl. 51—6)



1. A freely suspended and free-swinging graining box, and means entirely carried by the box to gyrate the same, said means comprising an eccentrically weighted rotational member and a drive for the latter.

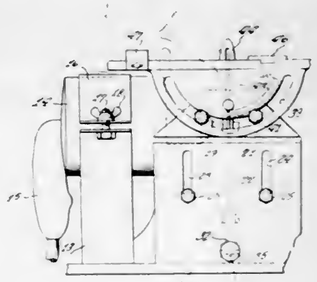
2,576,089
TROUSER AND SKIRT HANGER
Henry C. Ehmke, Waterloo, Iowa
Application October 23, 1948, Serial No. 56,185
1 Claim. (Cl. 223—95)



A trouser or skirt hanger comprising a main member, a hook extending upwardly from the main member, one end of the main member having belt loop engaging portions adapted to fit into the belt loops of a pair of trousers or skirt, and an adjustable slide on the opposite end of the main member so that the hanger may be fitted to different size trousers or skirt and locking means extending between the slide and the main member to hold the slide in its adjusted position, said locking means comprising an upwardly extending projection on the end of said main member, said slide having inclined openings accessible to the upwardly extending projection on the end of the main member, said slide being hollow and the end of the main member slidable therethrough.

2,576,090
SAWING ATTACHMENT FOR PORTABLE ELECTRIC DRILLS
Julius Otto Krause, West Hempstead, N. Y.
Application February 16, 1950, Serial No. 144,423
1 Claim. (Cl. 143—132)

A sawing attachment for a portable electric drill, including a base, substantially parallel upright portions extending rigidly upward from the opposite ends of the base, slide members adjustably connected to the upright portions respectively, an adjusting screw journalled in the upright portions and extending therebetween, said adjusting screw having reverse threaded portions thereon, block nuts mounted upon and respectively co-operating with the reverse threaded portions, links connecting the respective block nuts with the respective separate adjustable slide members, a power drill supporting member extending upwardly from the base, a power drill mounted on the supporting member and secured thereto and having a saw blade adapted to be



driven thereby, said saw blade extending between the upright portions upon the base, said adjustable slide members having support means for a work piece along which the work piece can be moved while being cut by the saw, said supporting means comprising vertically extending support plates respectively connected to the slide members, each of said support plates having an arcuate slot, bolt means extending through each slot for securing each respective support plate to its respectively co-operating slide member, whereby the support plates can be disposed at various angles in order to allow a mitre cut to be made in the work piece.

2,576,091
POSTAGE STAMP CONTAINER
Leo J. McElroy, New York, N. Y.
Application May 15, 1948, Serial No. 27,160
1 Claim. (Cl. 206—46)

A stamp package comprising a standard stamp book having lines of perforations between the stamps, a bottom part having hinge projections at one edge, a top part having hinge projections at one edge cooperating with the hinge projections of the bottom part, a hinge pin extending between the projections, and means for holding the top and bottom parts together when the top part is extended over the bottom part, said hinge pin extending between the hinge projections of the parts and a straight edge slide hinged upon the hinge pin and adjustable along the hinge pin for alignment between the rows of stamps and with lines of perforations thereof and over which the stamps can be torn, said slide extending

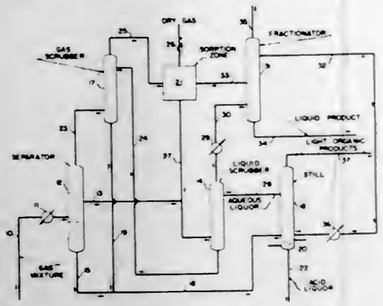
23,433

RECOVERY OF OXYGENATED COMPOUNDS AND HYDROCARBONS FROM MIXTURES THEREOF

Robert F. Marschner, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Original No. 2,533,675, dated December 12, 1950, Serial No. 625,519, October 30, 1945. Application for reissue December 27, 1950, Serial No. 202,831

7 Claims. (Cl. 260—450)



5. A process for treating the product of hydrogenation of oxides of carbon wherein said product comprises a mixture of hydrocarbons, water-soluble and oil soluble oxygenated organic compounds, said oxygenated compounds comprising organic acids and non-acidic organic compounds, which comprises cooling said product to effect substantial condensation of normally liquid components contained therein to form a gas phase, an oil product liquid phase, and a water product liquid phase, separating said phases, separately subjecting said oil product liquid phase to extraction with an aqueous liquor including dissolved organic oxygenated compounds to produce a raffinate comprising hydrocarbons and an aqueous extract comprising additional water-soluble oxygenated organic compounds, combining water and oxygenated organic compounds contained in said aqueous extract with said water product liquid phase to produce a mixture comprising organic acids and non-acidic organic compounds, and separating acids from non-acidic components contained in said mixture.

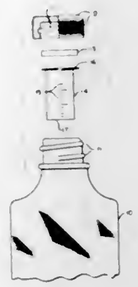
23,434

CLOSURE FOR A CONTAINER NECK AND A MEASURING CUP DETACHABLY SECURED IN SAID NECK BY SAID CLOSURE

William Numbers, Washington, D. C.

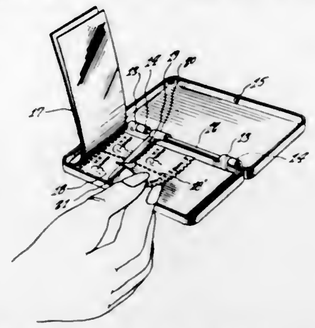
Original No. 2,559,168, dated July 3, 1951, Serial No. 681,513, July 5, 1946. Application for reissue September 28, 1951, Serial No. 248,802

4 Claims. (Cl. 222—114)



3. A device of the character described including, in combination, a container having an exteriorly threaded open end, an interiorly threaded cap engageable with said open end, and supporting means for an article removably extending into said container, said supporting means comprising a relatively thin flange of flexible material extending outwardly from the supported article, the periphery of said flange being shaped to form a thread of a single convolution adapted for engagement with the threads in said cap.

across the parts and the stamps and lying within the parts and being in length substantially the width of the parts.



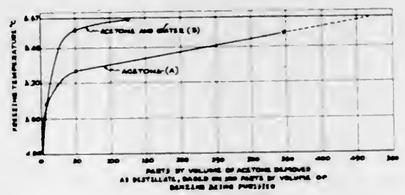
2,576,092

PURIFICATION OF COKE OVEN BENZENE

John R. Anderson, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application June 4, 1948, Serial No. 31,099

1 Claim. (Cl. 202—42)



An improved method for removing from distilled coke-oven benzene having a freezing point below 5.3° C. and above 4.4° C. the 0.3 to 1.5 per cent by weight of high boiling saturated hydrocarbon impurities contained therein, which comprises distilling in an efficient distillation column a mixture consisting of said benzene, from 0.5 to 1.5 parts of acetone per part of benzene by volume, and an amount of water in the range of 0.05 to .15 part per part of benzene by volume such that a two phase condition exists in said distillation column, removing water, said hydrocarbon impurities and all of said acetone as an overhead distillate, and dehydrating the residual benzene.

2,576,093

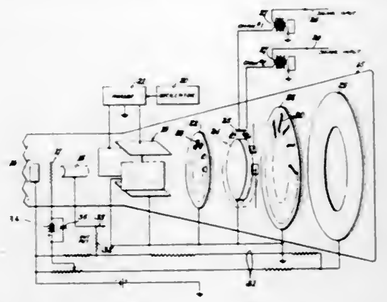
CATHODE-RAY TUBE CIRCUIT

Maurice Arditi, New York, N. Y., assignor by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application August 10, 1946, Serial No. 689,795

11 Claims. (Cl. 315—12)

5. In a cathode ray tube system, means for producing a relatively sharp electron beam, means for moving said beam, means responsive to movement of said beam for producing an electrical pulse, an output electrode normally having its physical structure adjacent the path of movement of said beam, and control electrode means in the path of said electron beam responsive to said electrical pulse for decreasing the sharpness of said beam whereby it will impinge upon said output electrode.



2,576,094

NONCRYSTALLIZING ROSIN AND PROCESS OF PREPARING THE SAME

Justus C. Barthel, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 15, 1949, Serial No. 115,945

3 Claims. (Cl. 260—105)

1. The method which comprises heating rosin at from 250 to 300° C. with from 0.1% to 1.0% of phenothiazine for not less than 15 minutes.

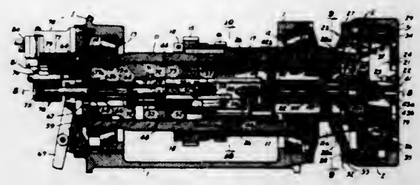
2,576,095

MACHINE TOOL

William L. Benninghoff, Waite Hill Village, and Alexander F. Robertson, South Euclid, Ohio, assignors to The Pipe Machinery Company, Cleveland, Ohio, a corporation of Ohio

Application February 26, 1945, Serial No. 579,752

22 Claims. (Cl. 10—96)

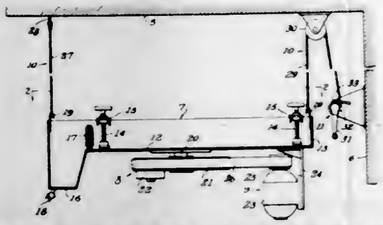


1. In a machine tool, the combination of a main frame; thread-cutting mechanism rotatably mounted on the frame, said mechanism comprising a tool body, chasers movably mounted on the body, means mounted on the tool body for retracting the chasers relative to a work piece operated upon by the tool, and a work-engaging pressure pad movably supported by the tool body adjacent the chasers; a fluid-pressure-actuated chuck movably supported on the frame; means operatively interposed between the frame and the chuck for feeding the chuck toward the thread-cutting mechanism to advance a work piece carried by the chuck relative to the chasers; and means controlled by movement of the pressure pad, caused by presentation of the work piece to the chasers, for closing the chuck on the work piece and starting the said feeding means.

PATENTS

GRANTED NOVEMBER 27, 1951

2,576,088
GRAINING MACHINE FOR ZINC OFFSET-PRINTING PLATES
Walter F. Horst, Lubeck, Schleswig-Holstein, Germany
Application September 14, 1950, Serial No. 184,811
6 Claims. (Cl. 51—6)



1. A freely suspended and free-swinging graining box, and means entirely carried by the box to gyrate the same, said means comprising an eccentrically weighted rotational member and a drive for the latter.

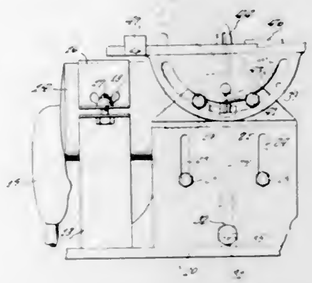
2,576,089
TROUSER AND SKIRT HANGER
Henry C. Ehmke, Waterloo, Iowa
Application October 23, 1948, Serial No. 56,185
1 Claim. (Cl. 223—95)



A trouser or skirt hanger comprising a main member, a hook extending upwardly from the main member, one end of the main member having belt loop engaging portions adapted to fit into the belt loops of a pair of trousers or skirt, and an adjustable slide on the opposite end of the main member so that the hanger may be fitted to different size trousers or skirt and locking means extending between the slide and the main member to hold the slide in its adjusted position, said locking means comprising an upwardly extending projection on the end of said main member, said slide having inclined openings accessible to the upwardly extending projection on the end of the main member, said slide being hollow and the end of the main member slidable therethrough.

2,576,090
SAWING ATTACHMENT FOR PORTABLE ELECTRIC DRILLS
Julius Otto Krause, West Hempstead, N. Y.
Application February 16, 1950, Serial No. 144,423
1 Claim. (Cl. 143—132)

A sawing attachment for a portable electric drill, including a base, substantially parallel upright portions extending rigidly upward from the opposite ends of the base, slide members adjustably connected to the upright portions respectively, an adjusting screw journalled in the upright portions and extending therebetween, said adjusting screw having reverse threaded portions thereon, block nuts mounted upon and respectively co-operating with the reverse threaded portions, links connecting the respective block nuts with the respective separate adjustable slide members, a power drill supporting member extending upwardly from the base, a power drill mounted on the supporting member and secured thereto and having a saw blade adapted to be

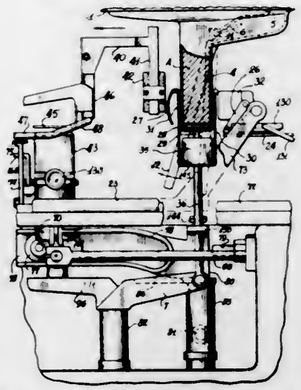


driven thereby, said saw blade extending between the upright portions upon the base, said adjustable slide members having support means for a work piece along which the work piece can be moved while being cut by the saw, said supporting means comprising vertically extending support plates respectively connected to the slide members, each of said support plates having an arcuate slot, bolt means extending through each slot for securing each respective support plate to its respectively co-operating slide member, whereby the support plates can be disposed at various angles in order to allow a mitre cut to be made in the work piece.

2,576,091
POSTAGE STAMP CONTAINER
Leo J. McElroy, New York, N. Y.
Application May 15, 1948, Serial No. 27,160
1 Claim. (Cl. 206—46)

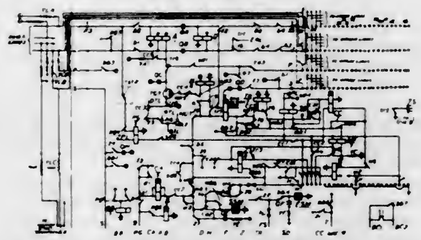
A stamp package comprising a standard stamp book having lines of perforations between the stamps, a bottom part having hinge projections at one edge, a top part having hinge projections at one edge cooperating with the hinge projections of the bottom part, a hinge pin extending between the projections, and means for holding the top and bottom parts together when the top part is extended over the bottom part, said hinge pin extending between the hinge projections of the parts and a straight edge slide hinged upon the hinge pin and adjustable along the hinge pin for alignment between the rows of stamps and with lines of perforations thereof and over which the stamps can be torn, said slide extending

2,576,096
MOLDING AND WRAPPING MACHINE
Hilaire Blanchette, St. Simon de Drummond, Quebec, Canada
Application December 21, 1949, Serial No. 134,324
In Canada May 8, 1946
22 Claims. (Cl. 93—2)



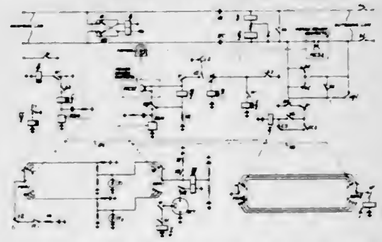
1. In a wrapping machine, a funnel having an open discharge and, means for supporting a sheet of pliable material across said end, means for forming said sheet into a wrapper on said end, a mold having an open top in communicating alignment with said end, means for forcing material from said funnel into said wrapper to inject the latter into said mold, means for shifting said mold laterally of said funnel, whereby to sever the material deposited in said wrapper, a wrapper supporting platform in said mold, means for elevating said platform in said mold, a slidable board in the plane of said elevated platform, and means for bringing said slidable board beneath the wrapper as said platform is displaced horizontally.

2,576,097
AUTOMATIC TELEPHONE SELECTIVE SWITCHING SYSTEM
Frederick Harry Bray, Leslie Ronald Brown, and Desmond Sydney Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application October 22, 1946, Serial No. 704,840
In Great Britain July 23, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 23, 1965
7 Claims. (Cl. 179—18)



1. Automatic or semi-automatic telecommunication exchange system comprising a plurality of lines, a selector switch having a plurality of sets of terminals, cooperating wipers therefor, and actuating mechanism for said wipers, each of said lines being connected to a separate set of said terminals, one of said terminals in each set being a test terminal used for determining a busy or idle condition of said lines, a cold cathode discharge tube having at least three electrodes, a source of energizing potential having a first pole thereof connected to a first electrode of said tube, means for driving said actuating mechanism to cause said wipers to become positioned upon a set of terminals corresponding to a wanted one of said lines, means including a resistance and the test terminal of said wanted line for coupling another electrode of said tube to the second pole of said source, means including said resistance to apply a potential of predetermined polarity and value from said source to said test terminal according to the condition of said line, whereby to ignite said tube if said line be free, thereby decreasing the available potential on said test terminal because of the drop of potential through said resistance.

2,576,098
STORAGE OF ELECTRICAL IMPULSES
Frederick Harry Bray and Desmond Sydney Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application November 9, 1946, Serial No. 709,027
In Great Britain September 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 27, 1965
7 Claims. (Cl. 179—16)



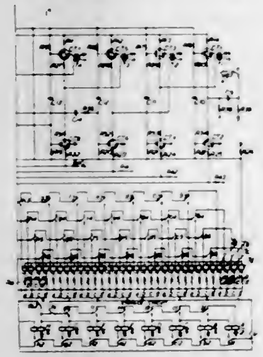
1. An electrical signal recording and repeating circuit comprising an incoming signal line, and outgoing signal line, a plurality of thermistors, a plurality of individual circuit means respectively coupled to each of said thermistors, said means adapted to maintain said thermistors normally at a predetermined temperature and at a given resistance value, common circuit means including a source of thermistor triggering potential for selectively altering the temperature and resistance value of selected of said thermistors, means coupled to said incoming line and responsive to signals received thereover for selectively connecting said common circuit means to a selected one of said thermistors thereby to trigger said thermistor, signal transmitting means coupled to said outgoing line for transmitting outgoing signals thereover, switch means having a movable contact and a plurality of stationary contacts respectively coupled to an associated one of said thermistors, said movable contact adapted to be moved over said stationary contacts by said signal transmitting means, a normally inoperative control circuit coupled with said movable contact for controlling operation of said signal transmitting means, and means responsive to switch connection of said movable contact with the stationary contact coupled with said selected thermistor for operating said control circuit and for restoring said selected thermistor to said predetermined temperature and given resistance value.

2,576,099

ELECTRICAL TRANSLATOR OF BINARY CODE TO DECIMAL CODE

Frederick Harry Bray, George Clifford Hartley, and Desmond Sydney Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application October 29, 1947, Serial No. 782,734
In Great Britain October 30, 1946
5 Claims. (Cl. 177—380)



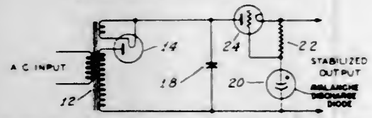
1. A circuit for counting electrical impulses corresponding to a binary code, comprising a plurality of gas-filled electron discharge tubes arranged in pairs, said tubes capable of two stable conditions, each of said tubes having an anode, a cathode, a first control electrode, and a second control electrode, corresponding first control electrodes of each of said pairs interconnected, means for selectively applying a triggering potential to corresponding second control electrodes of a first tube of said tube pairs, means for applying a triggering potential to corresponding second control electrodes of the second tubes of said tube pairs, a plurality of condensers, respective of said condensers serially disposed between the discharge paths of respective of said tube pairs, a plurality of coupling devices, respective of said devices connecting the discharge path of the second tube of each tube pair with the first control electrodes of a different one of said tube pairs, a source of potential, means for applying said potential to the anodes of each of said tubes, an output circuit coupled to said tubes, means for applying potential to said output circuit in accordance with the triggering potential applied to the first tubes of said tube pairs.

2,576,100

VOLTAGE STABILIZING SYSTEM AND TUBE

Sanborn C. Brown, Cambridge, Mass., assignor by mesne assignments to Research Corporation, New York, N. Y., a corporation of New York

Application July 13, 1945, Serial No. 604,953
10 Claims. (Cl. 323—22)



1. A voltage stabilizing system comprising a power circuit, a grid-controlled regulating tube in series with the power circuit, and means responsive to output voltage for applying a control voltage to the grid of the regulating tube to minimize the effect of potential changes in the power circuit, said means comprising a bias resistor and a gas diode in series therewith, said diode operating in the avalanche region.

2,576,101

METHOD FOR TREATMENT OF VANADIUM AND URANIUM ORES

Blair Burwell, Grand Junction, Colo., assignor to Climax Uranium Company, a corporation of Delaware

No Drawing. Application April 17, 1948, Serial No. 21,750
3 Claims. (Cl. 23—14.5)

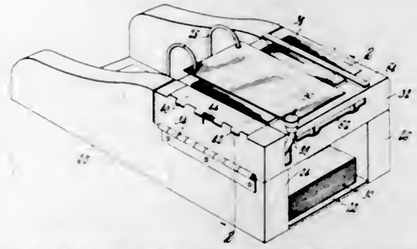
1. The process for treating ground vanadium and uranium ores which includes roasting the ground ore with sodium chloride under oxidizing conditions, leaching the water soluble salts from the roasted ore, absorbing the acid gases and dust generated in the roasting operation in the water for forming an aqueous acid, dissolving the collected dust in the acid, leaching acid soluble materials from the water leached ore with the aqueous acid, reacting the acid solution with iron and subsequently neutralizing the acid solution to a pH value of 4–6.5.

2,576,102

REGISTER

Thomas F. Callahan, West Newton, and Frank G. White, Watertown, Mass.

Application June 23, 1948, Serial No. 34,697
8 Claims. (Cl. 282—1)



5. Apparatus of the class described comprising a trough having hollow vertical walls, a self-contained register spanning said trough and hinged to one wall thereof whereby the register can be swung back to open the trough, a dashpot device mounted within the other of said walls and engageable by said register when the register is rocked to its trough-spanning position, arches within said trough adjacent to one end of said register to hold a stack of forms loosely assembled within the trough and to position any selected one of said forms upon the top of the register.

2,576,103

SYNTHESIS OF VITAMIN A ACTIVE COMPOUNDS CONTAINING REPEATED ISOPRENE UNITS

John D. Cawley, Charles D. Robeson, Edgar M. Shantz, Leonard Weisler, and James G. Baxter, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 30, 1947, Serial No. 771,564. In Great Britain December 24, 1946
5 Claims. (Cl. 260—617)

1. The process of synthesizing vitamin A from β-ionone which comprises converting β-ionone to β-ionolacetic acid ester by reacting β-ionone with a holoacetate in the presence of a metal catalyst selected from the class consisting of zinc and magnesium and hydrolyzing the product of said reaction with aqueous acid, dehydrating said β-ionalacetic acid ester to β-ionylidene acetic acid ester, reducing said β-ionylidene acetic acid ester to β-ionylidene ethanol by reacting said β-ionylidene acetic acid ester with an aluminum-containing hydride selected from the class consisting of lithium aluminum hydride and aluminum hydride and hydrolyzing the resulting product, oxidizing said β-ionylidene ethanol to an eighteen carbon atom ketone by reacting said β-ionylidene ethanol with acetone in the presence of a metal alkoxide selected from the class consisting of aluminum alkoxides and magnesium alkoxides, converting said ketones to α-hydro-β-hydroxy vitamin A acid ester by reacting said ketone with a haloacetate in the presence of a metal catalyst selected from the class consisting of zinc and magnesium and hydrolyzing the product of said reaction with aqueous acid, dehydrating said α-hydro-β-hydroxy vitamin A acid ester to vitamin A acid ester, and reducing said vitamin A acid ester to vitamin A alcohol by reacting said vitamin A acid ester with an aluminum-containing hydride selected from the class consisting of aluminum hydride and lithium aluminum hydride and hydrolyzing the resulting product to vitamin A alcohol.

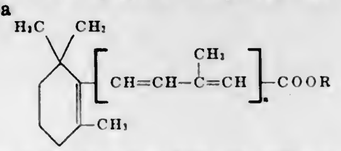
2,576,104

DEHYDRATION AND ISOMERIZATION OF STRAIGHT-CHAIN-CONJUGATED POLYENE ESTERS AND ACIDS

Edgar M. Shantz, Charles D. Robeson, and Henry M. Kascher, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

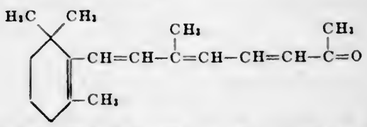
No Drawing. Application September 9, 1947, Serial No. 773,086. In Great Britain December 24, 1946
19 Claims. (Cl. 260—617)

1. The process of preparing in good yield an α,β-unsaturated polyene compound having the formula



wherein *n* is a whole integer not less than 1 and not greater than two and R is a member of the class consisting of hydrogen and hydrocarbon radicals which comprises substantially completely dehydrating an α-hydro-β-hydroxy hydrate of said α,β-unsaturated polyene compound and thereby forming a mixture of said α,β-unsaturated polyene compound and a structural isomer thereof, separating said α,β-unsaturated polyene compound from said structural isomer, and converting a substantial portion of said structural isomer to said α,β-unsaturated polyene compound by treating said structural isomer with an ionizing proton attractor selected from the group consisting of acidic materials and iodine.

19. The process of preparing vitamin A in improved yield which comprises converting β-ionone to β-ionolacetic acid ester, treating said β-ionolacetic acid ester with an acidic material and thereby producing a mixture of β-ionylidene acetic acid ester and a structural isomer thereof, said treating being continued until said mixture comprises substantially equilibrium proportions of said β-ionylidene acetic acid ester and said structural isomer thereof, separating said structural isomer from said β-ionylidene acetic acid ester, isomerizing said separated structural isomer by treating said isomer additionally with an acidic material and thereby converting a substantial portion of said structural isomer to said β-ionylidene acetic acid ester, said separating and isomerizing being repeated until a major proportion of said β-ionolacetic acid ester is converted to said β-ionylidene acetic acid ester, reducing said β-ionylidene acetic acid ester to β-ionylidene ethanol, oxidizing said β-ionylidene ethanol to a ketone of the formula



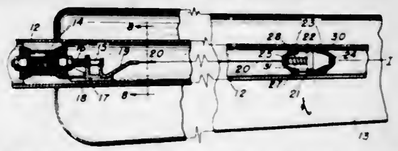
converting said ketone to α-hydro-β-hydroxy vitamin A acid ester, dehydrating said α-hydro-β-hydroxy vitamin A acid ester by treating said α-hydro-β-hydroxy vitamin A acid ester with an acidic material and thereby producing a mixture comprising vitamin A acid ester and a structural isomer of said vitamin A acid ester, said treating with said acidic material being continued until the last said mixture comprises substantially equilibrium proportions of said vitamin A acid ester and said structural isomer of said vitamin A acid ester, separating said last-named structural isomer from said vitamin A acid ester, isomerizing said separated structural isomer of said vitamin A acid ester by treating it additionally with an acidic material and thereby converting a substantial portion of said structural isomer of vitamin A acid ester to said vitamin A acid ester, said separating and isomerizing being repeated until a major proportion of said α-hydro-β-hydroxy vitamin A acid ester is converted to said vitamin A acid ester, and reducing said vitamin A acid ester to vitamin A.

2,576,105

BALANCING DEVICE FOR AIRCRAFT ROTORS

John C. Childs, United States Navy

Application September 6, 1945, Serial No. 614,796
11 Claims. (Cl. 170—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



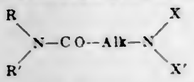
1. A safety device for restoring balance to a rotating mass whose center may be accidentally shifted from the axis of rotation, comprising means mounted on said rotating mass including pairs of contacts distributed about its center of rotation, control circuits including these contact points for selective operation, power means controlled by each circuit, an auxiliary mass mounted for slidable adjustment radially of said rotating mass for each of said power means, said auxiliary masses being distributed about the center of the rotating mass and means responsive to any accidental shift of the center of mass from the axis of rotation to close the proper pair of contacts

for operating the power means which will move the corresponding auxiliary mass or masses necessary for returning the displaced center of mass back to the center of rotation.

3. A balancing device for the rotor of a rotary wing aircraft having a shaft and a plurality of blades thereon, comprising a ballast weight mounted for radial adjustment within each of said blades and means responsive to any unbalance in said rotor due to damage of one or more of said blades for automatically adjusting said ballast weights to restore a balance in the operation of said rotor, said means including a reversible motor drivingly connected to each of said weights and means responsive to said unbalance for automatically actuating said motor.

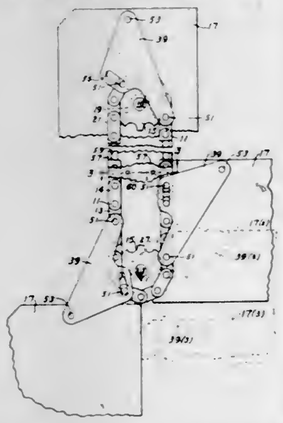
2,576,106
N-DICYCLOHEXYL,DIALKYLAMINO-ALKANAMIDES
John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application July 13, 1948, Serial No. 38,557
4 Claims. (Cl. 260—561)

1. A member of the group consisting of an N-substituted basic alkanoamide of the formula



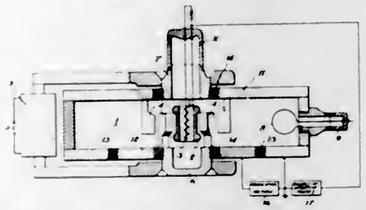
and salts thereof, wherein R and R′ are cyclohexyl radicals, Alk is an alkylene radical containing at least two and not more than four carbon atoms, and X and X′ are lower alkyl radicals containing not more than two carbon atoms, and wherein the salts are acid addition and lower alkyl halide quaternary ammonium salts.

2,576,107
ENDLESS CONVEYER STORAGE SYSTEM
John C. Davis and John D. Davis, Royal Oak, Mich.
Application November 5, 1948, Serial No. 58,546
3 Claims. (Cl. 198—158)



1. In an endless conveyor storage system the combination of, a pair of upper chain sprocket wheels, means rotatively supporting said wheels in a spaced relation at an upper level, a pair of sprocket chains passing over said wheels, a pair of lower sprocket wheels, a shaft rotatively supporting and driving said pair of lower sprocket wheels spaced apart suitably at a lower level for receiving said chains, a plurality of pairs of carriers supported along on said chains on opposite sides of both chains and paired at corresponding levels, each of the carriers being of a substantially triangular shape with two apices disposed upon extended pins of its supporting chain, the third apex of each carrier projecting outwardly, one of said two apices being apertured and the other being slotted for receiving the extended chain pins, storage receivers of a size and shape suitable to be carried by and between said pair of chains, means pivotally supporting one of said storage receivers between the projecting apices of a pair of the carriers at each level for movement around an endless circuit while always suspended from the chains in an upright position, means for driving said shaft to move said storage receivers around a predetermined path so that any desired one of the receivers may be brought to a predetermined station adjacent said path, said carriers being of such a size relative to the chain links that said two apices of each carrier are widely spaced to rest upon pins extended from the chain at widely separated points, the side of each triangular carrier between said two apices being provided with a cut out area for clearance in passing under the shaft as the chains pass under the lower sprocket wheels, and the storage receivers being of the largest possible size to efficiently utilize the available space for storage of commodities in said receivers.

2,576,108
AMPLITUDE MODULATION OF MAGNETRONS
Herbert F. Engelmann, Mountain Lakes, N. J., assignor by mesne assignment to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 14, 1948, Serial No. 21,070
8 Claims. (Cl. 332—5)



1. A magnetron adapted for amplitude modulation comprising a cavity resonator, a cathode mounted inside said resonator, an even number of anode segments greater than two mounted in a circle about said cathode, means insulating adjacent segments from one another, means connecting alternate segments together, and means for applying a modulating signal between adjacent ones of said segments.

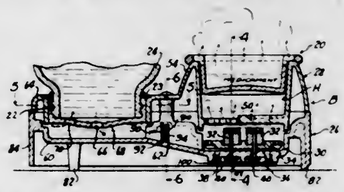
2,576,109
SPARK PLUG AND IGNITION SYSTEM TESTER
Guy R. Feaster, Manhattan, Calif.
Application October 29, 1948, Serial No. 57,231
2 Claims. (Cl. 175—183)

1. An ignition and spark plug testing implement for fault detecting by an operator holding said implement, comprising an elongated, pencil shaped, insulating and partly transparent casing forming the holder and provided with a pointed probing cap and a gripping cap on its two ends respectively, a probing pin in the probing cap and a body contact on the said gripping cap for producing contact with the operator's hand and body during use of the instrument, a single circuit running from the probing contact to the body contact, said circuit including a current reducing glow discharge tube, provided with two inner electrodes, one of said electrodes being



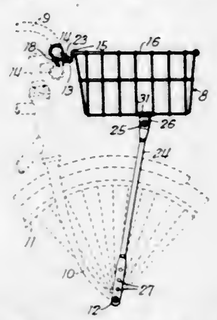
connected with the probing pin and the other being unconnected, an outer electrode formed by a metal layer surrounding the tube and the unconnected inner electrode and insulated therefrom, said outer electrode being connected with the body contact, a galvanometer arranged in said single circuit and having its dial and pointer exposed at one end of the casing, said galvanometer being inserted between the outer electrode of the glow discharge tube and the body contact on the gripping cap of the holder.

2,576,110
ELECTRIC VAPORIZER
Roy R. Fisher, Paris, Ky., assignor to Electric Steam Radiator Corporation, Paris, Ky., a corporation of Michigan
Application March 22, 1949, Serial No. 82,833
6 Claims. (Cl. 219—40)



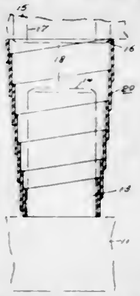
1. A steam vaporizer unit comprising a molded base member having an electrode well at one end and a supply well at the other end, means to support said base member in spaced relation to a horizontal surface, a molded top member comprising a top surface provided with a formed edge to contact said base member and having a cylindrical recess positioned to lie above said supply well to support an inverted capped bottle, and means forming a heating chamber comprising a circular curved wall rising from said top surface at the other end of the top member formed integrally therewith, said wall terminating upwardly at the margins of a circular recess and depending downwardly from said margins to a point below the formed edge of the top member to form a double walled well, apertured supporting means closing the well at the bottom and lying above said electrode well in the base.

2,576,111
BICYCLE BASKET
Clarence S. Glenny and Robert C. Method, Rockford, Ill., assignors to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application November 21, 1946, Serial No. 711,314
7 Claims. (Cl. 224—36)



1. In a package carrier for the handle bars of bicycles and the like comprising a receptacle having a horizontal frame, means for rigidly but adjustably supporting and attaching said receptacle on said handle bar comprising supporting brackets pivotally connected on a horizontal axis to said frame for pivotal adjustability of the receptacle up and down in substantial parallelism relative to the handle bar, and handle bar clamp clips tightenable on the handle bar and pivotally connected to said brackets on a substantially horizontal axis in transverse relation to the first mentioned axis and adjustable relative to said brackets to permit attachment to a handle bar disposed in inclined relation to the receptacle, the last mentioned pivotal connections comprising bolts for tightening said clamp clips which when tightened make the adjusted structure rigid.

2,576,112
GUIDE PIN COVER FOR PUNCH PRESSES
Henry D. Gordon, Philadelphia, Pa.
Application October 27, 1948, Serial No. 56,718
5 Claims. (Cl. 74—612)



1. In combination, a first and a second press member, means mounting the respective members for relative movement between open and closed position, a bushing mounted in a smooth surface of the first member, a guide pin mounted

in a smooth surface of the second member complemental to said bushing, a guard unit for the bushing and pin comprising in its entirety a lightly loaded ribbon of resilient metal coiled upon itself to define a hollow truncated cone with adjacent turns in overlapping relation and having respectively large and small open ends, the unit in expansion abutting said respective smooth surfaces and being self-sustaining whereby the large end surrounds said bushing in a limited floating on said surface of the first member, and the small end surrounds the pin in a limited floating on said surface of the second member, whereby in response to generally radial lateral pressure on the unit the large end internally abuts the bushing and the small end abuts the pin in generally axially aligned single areas peripherally of the respective ends, and whereby the remaining portions of the end turns float away from the bushing and pin respectively in distributing the pressure-induced distortion unequally along the entire length of the unit with maintenance of overlap and a conformation of each turn to the same general peripheral contour of adjacent turns of the unit, whereby the unit is self-aligning on the power stroke of the press.

2,576,113

PROCESSES FOR THE PRODUCTION OF OXYGENATED COMPOUNDS

Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 22, 1948, Serial No. 22,713
8 Claims. (Cl. 260—604)

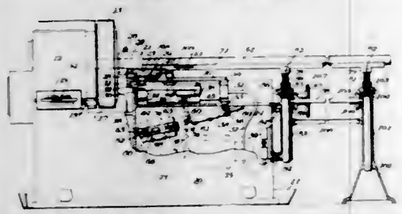
4. A process for producing aldehydes which comprises reacting an aliphatic olefin with carbon monoxide and hydrogen, said reaction being carried out at elevated temperatures and pressures within the range of 50° C. to 250° C. and 40 to 700 at. and in the presence of a buffered catalyst, the catalyst containing as essential ingredients a catalytic component from the group consisting of cobalt and iron and a content of a sodium salt of a carboxylic acid as a buffering agent.

2,576,114

MACHINE TOOL WORK HOLDER

Robert L. Hibbard, deceased, late of Bellevue, Pa., by Stewart C. Hibbard, Ross Township, Allegheny County, Pa., and Robert L. Hibbard, Jr., and Hays M. Junkin, Bellevue, Pa., executors, assignors of one-half to William K. Stamets, Mars, Pa.

Application April 3, 1945, Serial No. 586,402
2 Claims. (Cl. 10—105)



1. In a work feeding device for supplying measured lengths of work to a rotary machining tool head, the combination of a support for an elongated work piece, a carriage slidably supported relative to the tool head, crank means for intermittently shifting the carriage a predetermined distance toward and away from the tool head, a chuck mounted on the carriage and arranged to grip and hold the work piece, and automatic control means including trip means effective when the carriage is fully retracted to close the chuck on the work piece, trip means effective when the chuck grips the work to move the carriage toward the tool head, trip means effective when the carriage is fully advanced and the work piece is in machining position to initiate the machining cycle of the tool head while the chuck holds the work, trip means effective at the end of the machining cycle to release the chuck, and trip means effective when the chuck releases the work piece to retract the carriage to automatically present and machine successive sections of the work piece.

2,576,115

ARRANGEMENT FOR TRANSMITTING ELECTRIC SIGNALS OCCUPYING A WIDE FREQUENCY BAND OVER NARROW BAND CIRCUITS

Stuart Seymour Hill, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 4, 1948, Serial No. 6,316
In Great Britain February 7, 1947
13 Claims. (Cl. 178—44)



2. A broad band electric signal transmission system including a transmitting arrangement for transmitting an electric signal occupying a relatively wide frequency band over a plurality of communication channels each of which is capable of passing only a relatively narrow frequency band, said arrangement being adjustable for use with channels having different pass-band characteristics, comprising means for dividing the signal band into a plurality of sections of widths corresponding respectively to the widths of the bands passed by said channels, means for frequency shifting at least one of said sections to the frequency range passed by the corresponding channel, means for transmitting the frequency shifted section over the corresponding channel, the frequency shifting means for said one section comprising two successive frequency changing stages, one of said stages having means for generating a fixed carrier frequency, the other stage having means for generating a carrier frequency adjustable to a value determined by the cut-off frequency of said corresponding channel, the fixed carrier frequency and the frequencies defining the lower limits of the wide band of frequencies and the pass band of the corresponding channel.

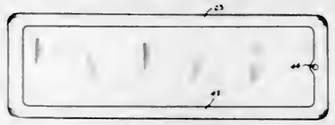
2,576,116

EMBALMING TABLE

Stanley Gordon Hoffman, Toronto, Ontario, Canada

Application April 3, 1946, Serial No. 659,348
In Canada December 20, 1944
6 Claims. (Cl. 259—72)

1. An embalming table which comprises a frame mounted for high speed vibratory movement in a vertical plane, an embalming table top carried by said frame, rotating means for vibrating said frame, said rotating means including a shaft having an eccentric weight thereon between the ends of the shaft, the ends being journalled



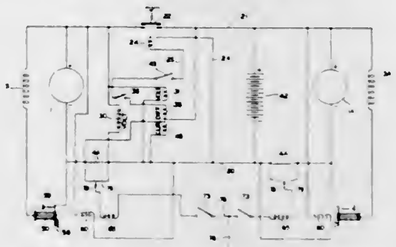
in aligned bearings carried by said frame, the mass axis of the ends of the shaft being eccentric to the mass axis of the shaft between the ends, and means for imparting high speed rotation to said shaft.

2,576,117

CONTROL SYSTEM AND DEVICE FOR DYNAMOELECTRIC MACHINES

William Richards Holmes, New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application October 10, 1945, Serial No. 621,515
7 Claims. (Cl. 171—119)



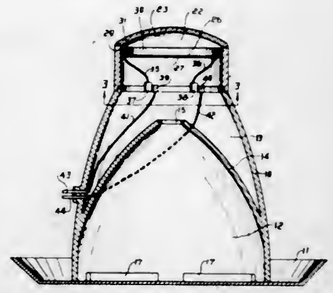
1. A device for controlling the connection of a generator to a load circuit, comprising, in combination, a first switch member for causing the connection of said generator to said load circuit upon the closure thereof, operating means for said first switch member including a first electromagnetic winding adapted to be energized by the generator voltage, a second electromagnetic winding adapted to be energized by the difference between the generator and load current conditions, a second switch member, operating means for said second switch member including a third electromagnetic winding adapted to be energized by the generator voltage, said second switch member controlling the circuit to said second electromagnetic winding and arranged to close said last mentioned circuit upon a generator voltage in excess of a predetermined value, said second electromagnetic winding arranged so as to act accumulatively with respect to said first electromagnetic winding so as to close said first switch member upon said generator current predominating, said first switch member controlling the circuit to said second electromagnetic winding and arranged so as to shunt said second electromagnetic winding upon actuation to a closed position, a fourth electromagnetic winding adapted to be energized by the current flow through said load circuit and arranged so as to tend to maintain said first switch member in a closed position while said generator current predominates and to effect the opening of said first switch member upon said load current predominating so as to disconnect said generator from the load circuit, another generator connected to said load circuit, a regulator for each of the generators for maintaining a predetermined generator voltage output, said regulators including means for effecting a predetermined division of load between the generators, a third switch member for connecting said load dividing means into operation, and said third electromagnetic winding arranged to operate said third switch member in response to the output voltage of said first mentioned generator.

2,576,118

INSECT DESTROYER

Alf Torbjorn Holte, New Westminster, British Columbia, Canada

Application February 25, 1947, Serial No. 730,693
2 Claims. (Cl. 43—112)



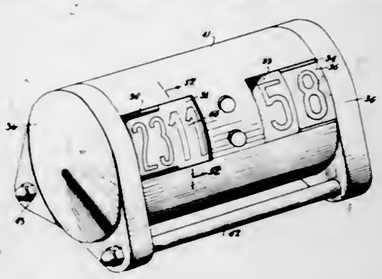
1. An insect destroyer comprising a housing said housing being open at the top thereof, an entrance adjacent the bottom of the housing, a cover removably mounted on the housing over its top opening, a transparent area in the top of the cover, a grid in the cover underlying the transparent area between the latter and the housing entrance, said grid including a plurality of alternating positive and negative conductors arranged side by side, two separate contacts in the cover, means connecting the positive conductors to one cover contact, means connecting the negative conductors to the other cover contact, a contact in the housing adjacent each contact in the cover, and means for connecting the housing contacts to a source of electrical supply, said cover being adapted to be moved to bring its contacts into and out of engagement with the housing contacts.

2,576,119

WALL AND DESK CYCLOMETER CLOCK

Adolf Holzner, Merrick, N. Y.

Application May 28, 1945, Serial No. 596,301
8 Claims. (Cl. 58—56)



1. A cyclometer clock comprising a clock mechanism having a driving motor and rotatable clock

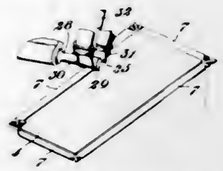
dials driven thereby, a tubular casing enclosing the clock mechanism and having window portions through which the time is displayed by means of said clock dials, closure members at the opposite ends respectively of said casing, base structure associated with said closure members for mounting the clock in operative position, and means for adjusting the clock to a desired reading-angle setting comprising complementary bearing portions on said end closure members and the ends of said casing for rotatably supporting the casing whereby the casing and clock mechanism as a unit are manually rotatable through any desired angle about the longitudinal axis of the casing.

2,576,120
GUN SIGHT
Eugene H. Irasek, Bethesda, Md.
Application June 2, 1945, Serial No. 597,293
3 Claims. (Cl. 33—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



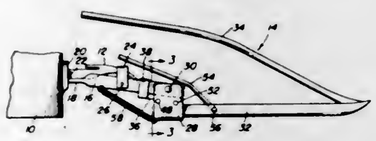
1. In a compensating gunsight for use in conjunction with a universally mounted gun, a sighting element universally movable with respect to the gun to provide a lead angle which compensates for the speed of the mounting vehicle, means for moving the sighting element including a planetary carrier having a hollow drive shaft, means for rotating said drive shaft in response to elevational movements of said gun, a planetary gear mounted on said planetary carrier with its plane of rotation normal to the orbit of said carrier and offset from the axis of rotation of said carrier, a driving gear for said planetary gear having a shaft extending through the hollow drive shaft for said carrier, means for rotating said driving gear in response to movement of the gun in train, a sight driver rotatably mounted on said planetary gear at a fixed radius from the rotational axis of said planetary gear whereby the sight driver is offset from the rotational axis of said planetary gear, said sight driver extending parallel to the rotational axis of said planetary gear and provided with a socket, a sight arm for moving said sighting element having at one end a ball for insertion into said socket so that said ball is movable over the surface of a hypothetical sphere of radius equal to the offset distance between said sight driver and the rotational axis of said planetary gear.

2,576,121
METHOD OF APPLYING FLEXIBLE COVERING MATERIAL TO A RELATIVELY RIGID BACKING
Jacob S. Kamborian, West Newton, Mass.
Application April 19, 1949, Serial No. 88,402
9 Claims. (Cl. 154—41)



1. That method of preparing interior finish panels for automobile bodies which comprises as steps providing a stiff, substantially flat sheet of backing material of the proper shape and dimensions, providing a flexible covering sheet, relatively thinner than the backing and of a shape substantially like that of the backing but of a size such that if the backing be placed on the covering sheet in symmetrical relation to the latter the marginal portion of the covering sheet will project beyond the edge of the backing substantially the same amount at all points, applying a layer of padding to the front face of the backing, so applying the covering sheet to the exposed surface of the padding layer that the margins of the covering sheet, which extend beyond the edge of the backing, lie in a plane substantially parallel to the rear surface of the backing, gripping a narrow area of the margin of the sheet and applying pull tending to stretch the covering material about the padding and over the edge of the backing and, without ceasing to apply said pull, causing the point of application of pull to progress uninterruptedly along the edge of the backing, wiping the margin inwardly over the rear face of the backing just to the rear of the instant point of application of pull, and adhesively securing the wiped-in portion of the margin to the rear face of the backing.

2,576,122
GRAIN CUTTER GUARD
William I. Kenison, Salina, Kans.
Application February 3, 1949, Serial No. 74,398
5 Claims. (Cl. 56—312)

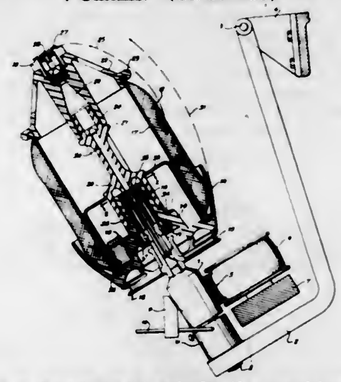


1. In a grain guard, the combination of a supporting arm associated with a sickle guarding finger, a U-shaped saddle pivoted to said supporting arm, a liftable and lowerable guard arm secured to said saddle, and adjustable means for holding said guard arm in a predetermined position relative to said supporting arm and also for reinforcing said supporting arm, said means comprising a transverse pin provided in said saddle, and a block slidably engaging said supporting arm and having a stepped undersurface, said pin being engageable selectively with said supporting arm and with the steps on the undersurface of said block.

2,576,123
NICKEL-CHROMIUM-IRON WELDING ELECTRODE
Theodore Ephraim Kihlgren, Berkeley Heights, N. J., and Joseph Sanson Bryner, State College, Pa., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 24, 1950, Serial No. 164,042
13 Claims. (Cl. 219—8)

5. A welding electrode adapted for forming weld deposits substantially devoid of gas porosity in A. C. or D. C. welding operations comprising a nickel-base alloy core wire and a flux coating on the core wire, said flux coating containing up to 30 parts by weight of calcium carbonate, from 9 to 25 parts of barium fluoride, from 10 to 50 parts of cryolite, up to 32 parts of ferro-50 columbium, up to 12 parts of ferro-40 titanium, from 2 to 5 parts of bentonite and from 1 to 5 parts of dextrine.

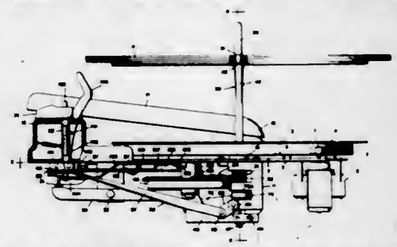
2,576,124
DOUBLE TWIST SPINDLE
Chadwick B. Kingsbury, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application December 19, 1949, Serial No. 133,841
7 Claims. (Cl. 57—58)



1. In a double twist spindle the combination of a stationary shaft, a driven spindle portion and a non-driven spindle portion, one end of said driven portion being arranged for rotation on said shaft, the other end of said driven portion carrying bearings for supporting said non-driven spindle portion for permissible partially rotational gyration on said bearings relatively to said driven portion, a bore in said non-driven portion, a resilient sleeve embracing said bearings, said sleeve and said bearings being carried in said bore, the wall of said bore being provided with longitudinally spaced beadings for engaging said sleeve to retain said sleeve in a non-preloaded condition of repose.

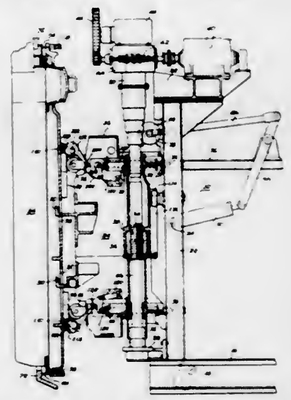
2,576,125
AUTOMATIC RECORD CHANGER
Arlington Victor Lapish, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 27, 1946, Serial No. 665,475
3 Claims. (Cl. 274—10)

1. An automatic phonograph comprising a turntable, a tone arm pivoted adjacent said turntable for vertical and horizontal movement, a record centering spindle operatively associated with said turntable and comprising a record supporting portion spaced above said turntable for supporting a stack of records and a movable record releasing portion adjacent said record supporting portion, cam means for effecting a record changing cycle, a linkage connecting said cam means and said record supporting portion for separating the lowermost supported record during a record changing cycle and supporting the remainder of the stack of records during a record changing



cycle, a linkage connecting said cam means and said record releasing portion comprising a movable member, a lever operatively associated with said movable member and said cam means for releasing said lowermost record after it is separated from said stack of records, a pivot shaft arranged to provide an eccentric pivot point for said lever and manually operable mechanism operatively associated with said pivot shaft for rotating said pivot shaft for lowering said lever whereby said lever may be disconnected from said movable member and said cam means for permitting manual operation of the phonograph.

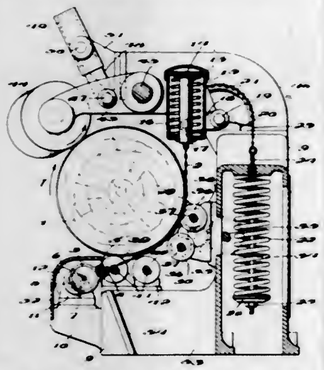
2,576,126
COKE OVEN DOOR HANDLING APPARATUS
Paul Howard Lavely, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application July 21, 1945, Serial No. 606,422
9 Claims. (Cl. 212—4)



1. An apparatus for handling a coke-oven door adapted to be held in a frame at the end of the oven by at least one rotatable latch comprising: support means for firmly supporting said door, means for moving said support means longitudinally so as to move said door in or out of said frame, means for pressing said door against the

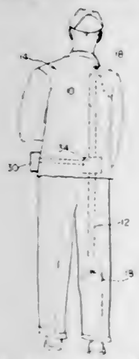
frame, and latch rotating means hydraulically operated independently of and simultaneously with said means for pressing the door against the frame so as to seal or unseal the door in the frame while the door is pressed into the frame.

2,576,127
MACHINE FOR BARKING LOGS
Nils Gustav Leffler, Sundsbruk, near Sundsvall, Sweden, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden
Application November 6, 1946, Serial No. 708,123
In Sweden November 19, 1945
11 Claims. (Cl. 144—208)



1. A machine adapted for removing bark from logs, comprising at least one elongated flexible member adapted for barking, an element resiliently supporting at least one end of said barking member, means for bringing a log member and said barking member into frictional engagement with each other, means for maintaining and releasing such frictional engagement, means for causing translatory movement of at least one of the frictionally engaged members relatively to the other and means for causing reciprocating movement of at least one of the frictionally engaged members relatively to the other.

2,576,128
MAN-PACK ANTENNA
Ralph J. Lense, Deerfield, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application April 3, 1948, Serial No. 18,789
6 Claims. (Cl. 250—33)

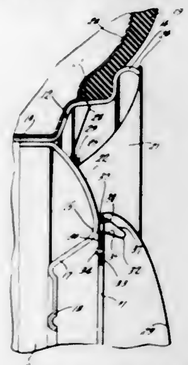


1. A man-pack antenna of the dipole type comprising a first conductor adapted to extend vertically along the upper portion of the wearer's body, a second conductor adapted to extend vertically along the lower portion of the wearer's body, a variable inductor joining said two conductors, a plurality of layers of flexible dielectric tubing spirally wound in different directions about each of said conductors, and an outer serving for each portion of the antenna.

2,576,129
NONEMITTING ELECTRON TUBE GRID
Irvin Levin, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application December 20, 1944, Serial No. 569,069
2 Claims. (Cl. 313—355)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

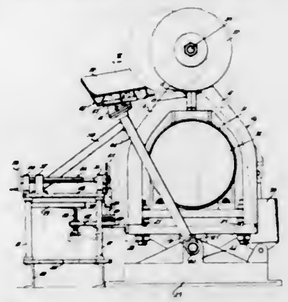
1. An electron tube having a cathode coated with an evaporable material for increasing the electron emission therefrom, a control grid which becomes heated during the operation of said tube and which tends to become coated with said evaporable material during tube operation, and means for preventing said control grid, when so heated, from acting as an emitter of primary electrons due to the deposit of said evaporable material, said means comprising a mossy, continuous, metallic oxide-free covering on said control grid of a metal selected from the refractory group comprising tantalum, zirconium, molybdenum, tungsten and the metals of the platinum group, whereby any evaporable material reaching said control grid is absorbed into said mossy covering and primary electron emission from said control grid is prevented.

2,576,130
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application January 20, 1947, Serial No. 723,173
9 Claims. (Cl. 301—37)



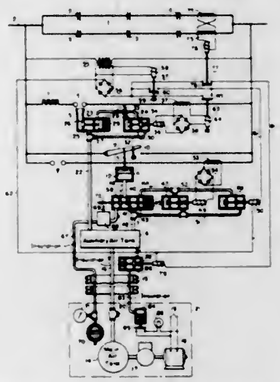
1. A wheel cover for a vehicle wheel of the kind having a multi-flanged tire rim and a load-sustaining body part, a retaining plate member formed for wedging biting engagement with the tire rim and having a portion thereof adapted to conceal the body portion of the wheel about the central bolt-on portion of the wheel, a trim ring member for concealing the tire rim and the radially outer margin of the retaining plate and engaging the retaining plate on an annular line adjacent to the radially outer margin of the retaining plate, the retaining plate having a plurality of retaining fingers securing the radially inner margin of the trim ring thereto, and a hub cap cover member separably secured to the radially inner marginal portion of the retaining plate.

2,576,131
BUFFING APPARATUS
George Albert Lyon, Detroit, Mich.
Application February 15, 1949, Serial No. 76,479
10 Claims. (Cl. 51—263)



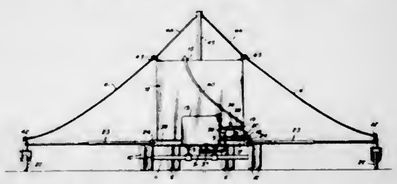
1. A buffing wheel assembly comprising a tiltable buffing wheel adapted to buff a workpiece at one end of its tilting movement, means for holding a buffing compound in contacting relation with the surface of said wheel when said wheel is at the other end of said tilting movement, means for advancing said holding means a predetermined distance towards said wheel operable when said wheel is out of contact with said buffing compound, and means for advancing said wheel towards said workpiece a predetermined distance before each buffing operation.

2,576,132
PROTECTIVE SYSTEM FOR SERIES CAPACITORS
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1950, Serial No. 146,299
27 Claims. (Cl. 175—294)



27. A series capacitor installation for an alternating-current line comprising a plurality of capacitor units connected in a bank and adapted to be connected in series in the line, said bank being divided into two similar parallel branches, a main spark gap device connected across the capacitor bank and adapted to break down and become conducting whenever the instantaneous voltage across the bank exceeds a predetermined value, a main compressed air tank remote from the main gap device and substantially at ground potential, an auxiliary compressed air tank mounted adjacent the main gap device and insulated from ground, insulating conduit means connecting the main air tank to the auxiliary air tank, means for directing a blast of air from the auxiliary air tank through the main gap device as soon as it has broken down, a second spark gap device connected in parallel with the main gap device, said second gap device having a higher breakdown voltage than the main gap device, a by-pass switch connected across the capacitor, spring means biasing the by-pass switch to closed position, valve means for applying air pressure to the by-pass switch to normally hold the by-pass switch in open position, said valve means having an actuated position in which the air pressure is released to allow the by-pass switch to close, means for effecting operation of the valve means to actuated position in response to current flow through the second gap device, time-delay means for effecting operation of the valve means to actuated position if current continues to flow through the main gap device for more than a predetermined time, time-delay means for effecting operation of the valve means to actuated position in response to a sustained overvoltage across the capacitor of lower magnitude than the breakdown voltage of the main gap device, locking means actuated by air exhausted from the by-pass switch for locking the valve means in its actuated position, remote manual means substantially at ground potential for effecting release of the valve means to return it to its initial position to reapply air pressure and reopen the by-pass switch, a remote pressure-responsive switch substantially at ground potential, insulating conduit means connecting the pressure-responsive switch to the auxiliary air tank, means responsive to unbalance of the currents in the two parallel branches of the capacitor bank for admitting air from the auxiliary air tank to the pressure-responsive switch, and signal means energized by actuation of the pressure-responsive switch.

2,576,133
PORTABLE SPRAYING MACHINE
William J. McCarter, Galata, Mont.
Application March 5, 1948, Serial No. 13,151
1 Claim. (Cl. 299—41)



A portable spraying machine comprising a vehicle having a chassis, a liquid reservoir mounted on said vehicle, said reservoir having an inlet at the top and an outlet at the bottom rear part thereof, a power-operated pump mounted on said vehicle having an inlet and outlet, a pipe connecting said pump inlet to said reservoir outlet, a valve between said pump and said reservoir outlet, a branch pipe connected to said first-mentioned pipe and having an outlet, said last-men-

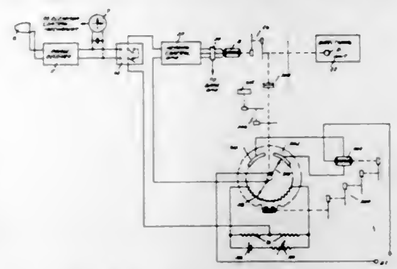
tioned branched pipe outlet adapted to have a hose coupled thereto for conveying liquid to said branched pipe for passage to said reservoir when said hose is extended to an outside source of liquid, a valve in said branch outlet pipe, spray booms carried by said vehicle and adapted to extend laterally at opposite sides of said reservoir, a manifold mounted longitudinally of said vehicle beneath said reservoir and connected to said spray booms for delivering liquid thereto, a pipe connecting said manifold with the outlet of said pump, a valve in said last-mentioned pipe, a branch line connected to said last-mentioned pipe and extending to the top of said reservoir, a valve in said last-mentioned branch line, an auxiliary horizontally extending spray pipe mounted centrally and transversely of and at the rear end of said vehicle, said horizontal spray pipe communicating with said manifold, wheels mounted on the outer ends of said lateral spray booms for supporting the same, and flexible conduit means connecting said laterally extending spray booms to said manifold for providing for vertical swinging movement of said booms so that they may rise and fall as required by the uneven ground conditions over which said spraying machine is drawn, openings spaced longitudinally of said spray booms and said horizontal spray pipe for discharging liquid downwardly relative to said reservoir, a pair of vertically swingable guy rods disposed at opposite sides of each of said spray booms, said guy rods converging outwardly from the vehicle and being fixed at their outermost end portions to the respective mountings of said wheels disposed on the outer ends of said booms, brackets secured on top of the reservoir at opposite sides of the latter, guy cables connecting said wheel mounting to said brackets, a mast fixed on top of said reservoir between said brackets, the latter being secured at their upper ends to said mast and bracing the same.

2,576,134
ELECTRIC COMMUNICATION CABLE
John Frederick Morley and Stanley George Foord, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application August 7, 1947, Serial No. 767,312
In Great Britain June 16, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 16, 1959
2 Claims. (Cl. 260—4)



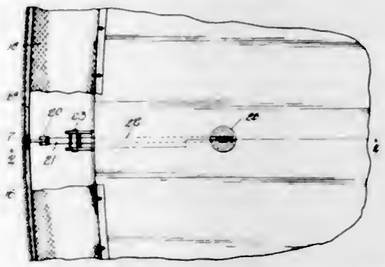
1. A process for manufacturing air-space electric cable spacing discs having low loss characteristics at high frequencies and being sufficiently resilient to resist substantial distortion substantially permanently without cracking that comprises partially polymerizing styrene to produce a mixture of monomeric and polymeric styrene, milling rubber into said mixture in a quantity of about 10% of the total weight of the mixture, thereafter further polymerizing the styrene until the monomeric styrene content of the mixture is reduced to a value of 3% to 7½% of the total weight of the mixture, and then forming this mixture into spacing discs.

2,576,135
RADIO CONTROLLED PILOT SYSTEM
Francis L. Moseley, Osborn, Ohio, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application June 28, 1944, Serial No. 542,594
16 Claims. (Cl. 244—77)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



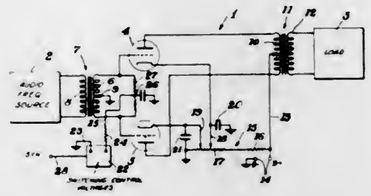
1. An aircraft flight control system comprising a radio range receiver for receiving radio defined course positioning signals, means responsive to the positioning signals from the receiver for controlling the direction of flight of an aircraft, follow-up means controlled by said first means operative to supply a follow-up signal to said first means proportional to the action thereof and in opposed relation to the positioning signal, and means responsive to the positioning signal for changing the magnitude of the follow-up signal to further alter the direction of flight of the aircraft.

2,576,136
SUPPORT FOR A SEAL FOR A FLOATING ROOF
Frederick D. Moyer, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application March 5, 1947, Serial No. 732,420
10 Claims. (Cl. 220—26)



1. In a liquid storage tank having a floating roof, a plurality of shoes slidably contacting the tank wall and a flexible seal between said shoes and the roof, a seal hanger comprising a substantially L shaped supporting arm having one leg attached to said shoes and extending downwardly therefrom in the space between the roof and the sidewalls of the tank and with the angle of the L being pivoted to the lower portion of the roof, said arm having an inwardly extending leg forming a bell crank and the point of pivot to said roof being at the fulcrum; a substantially vertical cylinder formed in the roof and extending therethrough; a rod in said cylinder pivoted to said inwardly extending leg; spring means in said cylinder for constantly urging said rod in an upward direction, and means for sealing the upper end of the cylinder.

2,576,137
ELECTRICAL SWITCHING SYSTEM
John H. Newitt, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1945, Serial No. 602,823
4 Claims. (Cl. 250—27)



1. An electronic switching system comprising a pair of electron discharge devices each including an anode, cathode and control electrode, means for coupling said devices in a push-pull cathode-follower arrangement with the signal voltages being impressed on the control electrodes of said devices 180° out of phase with respect to each other, a source of switching voltages, means for impressing said switching voltages cophasally between the control electrodes of each of said devices and ground to control the conduction thereof, a resistor coupled at the opposite ends thereof to said cathodes, and means for coupling any one of a number of points on said resistor to said load, a second resistor coupled in parallel with said first named resistor, a parallel resistance capacitance network, means for adjustably connecting one end of said network to said second resistor, and means coupling the other end of said network to ground.

2,576,138
PRODUCTION OF SULFITE ESTERS
Alphonse Pechukas, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application January 2, 1947, Serial No. 719,929
8 Claims. (Cl. 260—456)

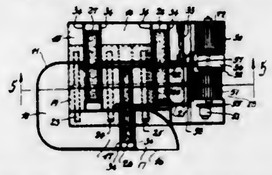
1. A method of preparing an ester which comprises reacting a 1,2 epoxide with a thionyl halide.

8. Mixtures of bis (beta chloro n-butenyl) sulfites which comprise said sulfites of the beta n-butenyl alcohols: 2-chloro-3 butenol and chloromethyl vinyl carbinol.

2,576,139
GLYCOL BIS-CHLOROSULFINATES
Alphonse Pechukas, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application December 20, 1947, Serial No. 793,043
10 Claims. (Cl. 260—456)

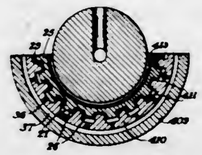
1 A bis-chlorosulfinate of a glycol consisting of carbon, hydrogen and oxygen and having its two hydroxyl groups separated by at least three atoms.

2,576,140
AIR-CONDITIONING APPARATUS
Neal A. Pennington, Tucson, Ariz., assignor of one-fifth to Robert H. Henley, Tiptonville, Tenn., and one-fourth to Roger Sherman Hoar, South Milwaukee, Wis.
Application June 15, 1946, Serial No. 676,962
26 Claims. (Cl. 62—139)



1. Apparatus for conditioning air for use in an enclosure, comprising: an inlet conduit, for conducting air to be conditioned into said enclosure; an outlet conduit, for conducting air away from said enclosure; means for heat-exchange, circulating alternately through the two conduits, and having anhydrous heat-exchange relationship with the air in each conduit; means in the outlet conduit, for precooling the outgoing air stream by anhydrous heat-exchange with itself; and means in the outlet conduit, for adiabatically further cooling the outgoing air prior to its heat-exchange relationship with the first-mentioned heat-exchange means; whereby the thus cooled outgoing air anhydrously cools said heat-exchange means, which means in turn anhydrously cools the incoming air.

2,576,141
BEARING
Robert D. Pike, Pittsburgh, Pa.
Application December 6, 1944, Serial No. 566,818
11 Claims. (Cl. 308—26)

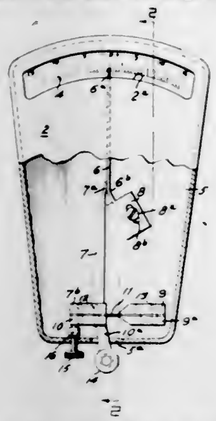


1. A sleeve bearing including, a cylindrical member having longitudinally extending channels in the inner face thereof; a sleeve fitting relatively loosely in the cylindrical member, said sleeve having longitudinally extending ridges which extend into the channels and cooperate with the walls of the channels for forming oil passages; means for directing oil into an end of said passages; and means for removing oil from the passages.

2,576,142
SINGLE OR OFFSET CONTACT TYPE MICROMETER GAUGE
Edward S. Rinaldy, Chester, N. J.
Application November 29, 1949, Serial No. 129,994
4 Claims. (Cl. 33—172)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

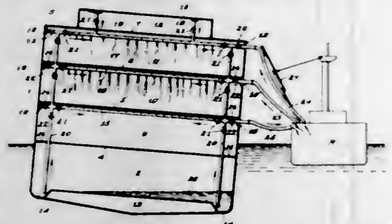
1. A contact gage comprising a frame, a resilient pointer element having a first end fixed to said frame and its second end acting as a pointer, a scale on said frame in cooperative indicating relation with said pointer, a spring arm having one end clamped to said frame, an element com-

prising oppositely-directed actuating and article-contacting levers secured to the other end of said arm, said actuating lever being in substantial alignment with and having its free end in



engagement with said pointer element adjacent its fixed end, whereby movement of said article contacting lever flexes said arm and imparts through said actuating lever, a magnified movement to said pointer.

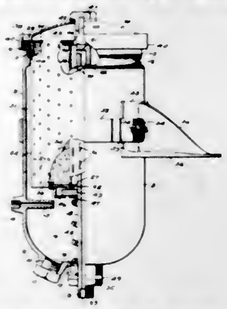
2,576,143
MEANS FOR FIGHTING FIRE ABOARD SHIPS
Jean C. Rochet, New York, N. Y.
Application September 21, 1945, Serial No. 617,797
10 Claims. (Cl. 169—5)



1. Means for fighting fire in a ship which has outer side platings and inner compartments comprising: a sprayer in each compartment for discharging a fire extinguishing medium thereinto, piping leading from the sprayer of each compartment to corresponding inlet fittings provided in at least one of said platings through which fire extinguishing medium may be fed from without said plating to a corresponding sprayer of a compartment, and valve-controlled means connected to said piping and adapted to conduct excess fire extinguishing medium collected in said compartment from the latter therewithout.

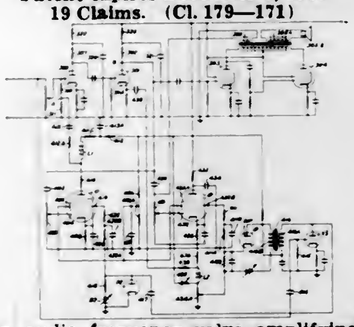
2,576,144
OIL FILTER
Clarence J. Rood, Fergus Falls, Minn.
Application June 21, 1948, Serial No. 34,163
1 Claim. (Cl. 210—187)

A filter construction comprising an outer casing having a side inlet, the casing being formed integrally with a closed lower end wall having a non-circular center depression provided with a smooth-walled opening; a one-piece assembly bolt having threaded upper and lower ends and formed with an axial bore having its outlet at the lower end of the bolt, and its inlet intermediate opposite ends of the bolt, the lower end of the bolt projecting through and beyond said opening; a nut removably seated in the depression and threadedly engaging the lower end of the bolt interiorly of the casing; a second nut engaging the lower end of the bolt exteriorly of the casing, said lower end of the bolt projecting beyond the second nut and constituting a threaded neck for



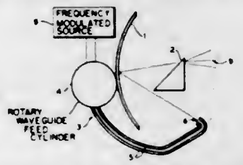
attaching an outlet hose; a cover for the upper end of the casing having a smooth-walled center opening through which the upper end of the bolt extends; a nut threaded on the upper end of the bolt exteriorly of and against the cover; and a filter cartridge clamped at its upper end between the cover and casing and proportioned to extend across the path of liquid to be filtered during flow of said liquid from the casing inlet to the inlet of said bore.

2,576,145
VOLUME EXPANSION SYSTEM FOR AUDIO AND LIKE AMPLIFIERS
Eric Peter Rudkin, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 14, 1947, Serial No. 721,895
In Great Britain December 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1965
19 Claims. (Cl. 179—171)



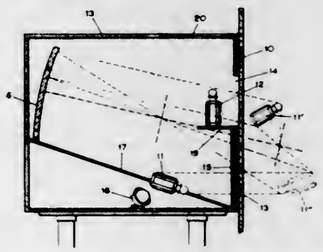
1. An audio frequency valve amplifying system comprising a plurality of valve stages in cascade, a first feed-back path arranged from the output circuit of said amplifying system to the input circuit of said amplifying system and arranged to supply positive audio frequency feed-back to the system, a second feed-back path arranged from the output circuit of said amplifying system to the input circuit of said amplifying system and arranged to supply negative audio frequency feed-back to the system, means coupled to the input of said amplifying system for deriving two control voltages proportional to the amplitude of the input audio signal to be amplified, separate means to differentially control the relative degree of positive feed-back and negative feed-back respectively supplied by said paths to the system, each of said differential control means coupled between different of said feed-back paths and said voltage deriving means, said differential control means including means for selectively disconnecting said voltage deriving means from said differential control means, said disconnecting means adapted to operate when the input audio signals have attained a predetermined amplitude, whereby the degree of said positive audio frequency feed-back is arranged to increase and the degree of said negative feedback is caused to diminish as the amplitude of said input audio signal increases and vice versa, whereby the overall effective gain of said amplifying system is caused to vary in the same sense as the said variations in input audio signal to be amplified, to effectively produce an effect corresponding to volume expansion of said signal.

2,576,146
RAPID SCANNING SYSTEM
John Ruze, Cambridge, Mass., and Orville C. Woodyard, Neptune, N. J., assignors to the United States of America as represented by the Secretary of War
Application August 17, 1948, Serial No. 44,757
5 Claims. (Cl. 250—33.63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. An antenna scanning system comprising means for causing a frequency-modulated beam of electromagnetic energy to scan along a first coordinate independently of the frequency of said energy, and a stationary prism adjacent said scanning means, said prism having an index of refraction which is variable with frequency and being oriented to cause said energy to scan additionally in a second coordinate in accordance with the frequency of said energy.

2,576,147
APPARATUS FOR PROJECTING AERIAL IMAGES IN HIGH RELIEF
Fernand Sauvagé, Paris, France
Application January 11, 1949, Serial No. 70,334
In France January 12, 1948
3 Claims. (Cl. 272—8)

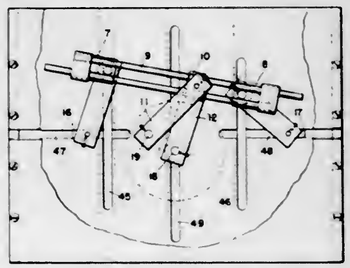


1. A display device for displaying an aerial image of an object; comprising a box-like casing having a front opening therein elevated from the bottom of the box, a mirror extending vertically in the front of the box and below the opening, a stand in the bottom of the box adapted to support the object to be displayed, a concave mirror disposed in the rear of the box-like casing partly above the front opening and with its focal axis extending through the front of the casing just below the opening, and means for directing light rays upon the object.

2,576,148
ADHESIVE TAPE
Martin L. Schechtman, New Market, N. J., assignor to Industrial Tape Corporation, a corporation of New Jersey
No Drawing. Application January 12, 1950, Serial No. 138,257
9 Claims. (Cl. 117—122)

9. Adhesive tape comprising an aluminum foil backing, a normally tacky and pressure-sensitive adhesive coating thereon, a primer coating adjacent to said foil and comprising substantially ten parts by weight of a copolymer comprising essentially vinyl chloride and smaller amounts of vinyl acetate copolymerized with each other, and comprising a minor percentage of maleic anhydride reacted therewith, one part by weight of a copolymer of largely butadiene and of acrylonitrile, and a primer coating adjacent to said adhesive coating and comprising equal parts by weight of a copolymer of largely butadiene and of acrylonitrile and of a copolymer of largely butadiene and of styrene that is highly compatible with the elastomeric base of the normally tacky and pressure-sensitive adhesive composition, each of said primer coatings being applied in a weight of the order of one-quarter of an ounce per square yard and said adhesive coating being applied in a weight of the order of three quarters of an ounce to four ounces per square yard.

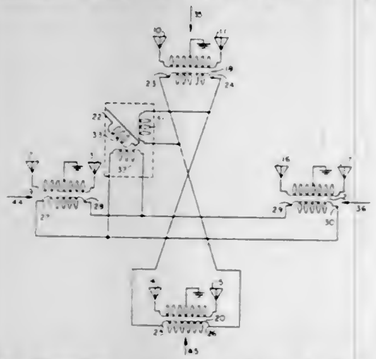
2,576,149
SPHERICAL TRIANGLE COMPUTER
John V. Sharp, United States Navy
Application November 14, 1945, Serial No. 628,615
10 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A computing device comprising means defining a square space representing coordinate values from −1 to +1 with respect to an origin at the center of the square, a cross rod, means for adjusting the relative vertical position of the ends of said cross rod to cross the sides of said square space at ordinate values corresponding to the cosines of the sum and difference respectively of any two adjacent elements in a spherical triangle problem, a slide member on said cross rod, a pair of links of unit length pivotally connected

to said slide member at one of their ends, the other ends of said links having pivots, means for providing central vertical and horizontal guide slots across said space, a slide in each of said guide slots for each of said pivots at the other ends of said links respectively, and means for moving said slide member along said cross rod by angular adjustment of one of said links with respect to its horizontal slide according to the angular value of the included element in the spherical triangle problem, whereby the other link will automatically assume an angular position with respect to its vertical slide in accordance with the opposite element in the problem.

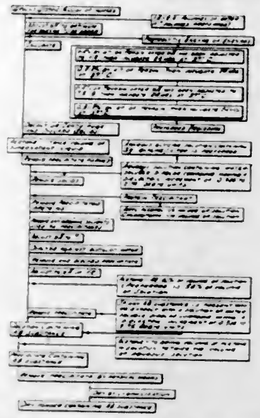
2,576,150
DIRECTIVE ANTENNA SYSTEM
Clifford M. Simpson, Manhattan, Kans.
Application October 8, 1946, Serial No. 701,857
8 Claims. (Cl. 343—100)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A directive antenna system, having substantially zero responsiveness to signals from a certain direction but finite responsiveness to signals from all other directions, said system comprising, four identical antenna sets containing at least two non-directional antennas in each set arranged at the four corners of a rhomboid, each of said sets being adapted to provide an output signal characteristic of the direction of an incoming signal, means including a goniometer for vectorially combining the output signal from each of said sets with that from the set diagonally opposed thereto, said goniometer having two fixed windings and a rotatable winding, one of said fixed windings adapted to receive the combined output signal from one of said diagonal pairs, the other of said fixed windings adapted to receive the combined output signal from the other of said diagonal pairs, whereby there is induced in the rotatable winding of said goniometer a resultant voltage signal indicative of the direction of the incoming signal.

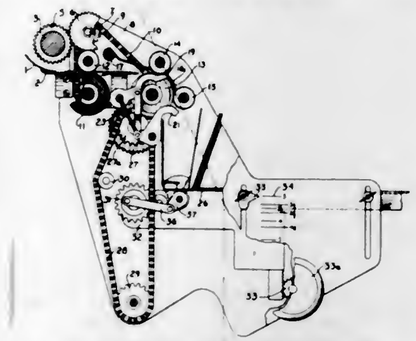
2,576,151
NOVEL METHOD OF TREATING PRODUCTS CONTAINING SPECIFIC TYPE AB SUBSTANCES
Heron O. Singher, Redhook, N. Y., and Charles R. Harmison, Somerville, N. J., assignors to Ortho Pharmaceutical Corporation, a corporation of New Jersey
Application September 13, 1947, Serial No. 773,936
3 Claims. (Cl. 167—74)

1. The method for extracting specific AB substance from horse gastric mucosa comprising treating said horse gastric mucosa with an aqueous solution of a compound selected from the group consisting of amino acids, and dipeptids;



said aqueous solution having a concentration such that the dielectric increment thereof is in the range of 0.306 to 2.75 Debye units.

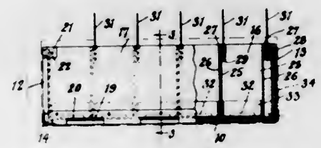
2,576,152
SHEET DELIVERY AND ASSEMBLY APPARATUS
Percy G. Stimson and John T. Davidson, Dayton, Ohio, assignors to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application July 22, 1946, Serial No. 685,457
15 Claims. (Cl. 271—87)



1. A sheet delivery and accumulator apparatus wherein a succession of individual sheets are delivered, one by one, from a preceding supply thereof, and by which they are uprightly accumulated in compact formation, including a guide table over which the sheets are successively advanced in a plane common with those of the sheets, sheet feeding means including a guide roller, driving means for said sheet feeding means, a deflector plate in concentric spaced relation with the guide roller between which plate and roller the sheets are advanced into a divergent path of travel, a stop against which the advance marginal edge of each sheet comes to rest with the sheet in upright position, a pusher engageable with the top marginal area of each sheet to laterally displace it from the path of the succeeding sheet, a rotating knurled roller into engagement with which the top marginal edge of the sheet is thrust by the pusher and by which the top

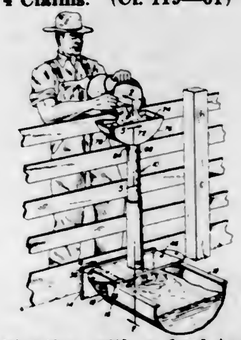
margin of the sheet is further displaced, broad side foremost, a vibratory kicker device driven by said driving means in synchronism with said sheet feeding means by which the lower marginal area of the sheet is laterally displaced from the stop, a table upon which the displaced sheets are received in substantially upright positions, and adjusting means for varying the elevation of the table and stop to agree with vertical dimensions of the sheets, and an adjustable follower on the table against which the displaced vertically disposed sheets are accumulated.

2,576,153
TISSUE EMBEDDING APPARATUS
Joseph Tannenberg, Batavia, N. Y.
Application August 21, 1948, Serial No. 45,519
6 Claims. (Cl. 18—39)



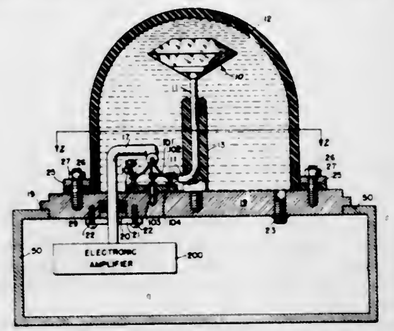
1. An apparatus for simultaneously embedding a plurality of tissue samples in paraffin blocks comprising, a container having a single bottom, walls hingedly attached to the edges of said bottom and adapted to be swung into the plane and contiguous to and to be erected in vertical position about the bottom, interengaging means on the walls of said container for releasably retaining the walls in said vertical position, a plurality of tissue holders for fitment within said container, each tissue holder comprising a U-shaped element having spaced vertical walls, and interlocking means on one wall of each tissue holder for engagement with a vertical wall of an adjacent tissue holder.

2,576,154
ADJUSTABLE FILLING DEVICE FOR FEED TROUGHS
Fred C. Trautvetter, Warsaw, Ill.
Application July 23, 1948, Serial No. 40,324
4 Claims. (Cl. 119—61)



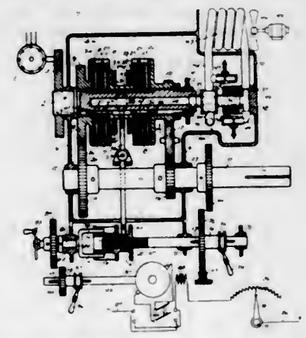
1. In combination with a feed trough having an open top, a device for filling the trough with a semi-fluid feed comprising an attaching strap adapted to transversely encircle the outer walls of the trough, an extensible base unit secured to said strap, an extending collar on said base unit, telescoping pipe sections supported on said collar and a funnel carried by said pipe sections and communicated with the trough.

2,576,155
SUBMARINE COMPRESSIONAL WAVE RECEPTIVE APPARATUS
Horace M. Trent, Alexandria, Va.
Application March 26, 1946, Serial No. 657,320
2 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A receptive apparatus for submarine compressional waves comprising a base plate, a dome mounted on the base plate to form with the plate a fluid tight chamber, a body of liquid contained in the chamber formed by the dome and plate, a supporting tube mounted on the base plate within the chamber and extending from near the center of the plate to near the center of the chamber, a cork imbedded-directional hydrophone situated in the chamber and an elastic flexible cable extending through the supporting tube to the cork-imbedded hydrophone and constituting the sole support therefor, the length of cable extending from the unmounted end of the tube to the hydrophone and the overall size of the cork embedded-hydrophone being limited to prevent contact of the hydrophone with the dome, whereby the hydrophone is floated upwardly from the unmounted end of the supporting tube in various positions of the dome and base plate without contacting the dome.

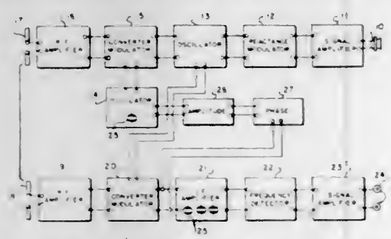
2,576,156
FLUID TYPE VARIABLE-SPEED POWER TRANSMISSION
Lev A. Trofimov, Willoughby, Ohio
Application May 9, 1945, Serial No. 592,746
23 Claims. (Cl. 192—58)



1. A power transmission for driving a load with variable, stepless, speed changes, comprising: a power input element for connection to a power source; a power output element for connection

to a load to be driven; two torque transmitters between the input and output shafts, for respectively transmitting torques to the output shaft in opposite directions simultaneously; each torque transmitter comprising a pair of relatively rotatable elements having parallel coaxial surfaces closely adjacent but spaced apart; means to continuously supply and maintain torque transmitting liquid films therebetween; means operable by relative rotation of the elements developing axially directed pressure in the films tending to move the pairs of elements apart; and operable means to variably change the relative thickness of the liquid films to cause one transmitter to variably transmit more torque than the other, comprising means to force one pair of elements closer together against the said axially directed film pressure.

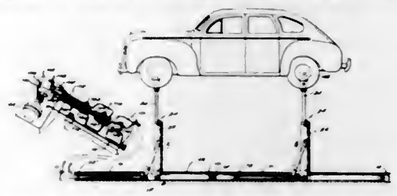
2,576,157
WAVE SIGNALING SYSTEM
Alexander Tykulsky, West End, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application October 27, 1950, Serial No. 192,560
7 Claims. (Cl. 250—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A wave signaling system for simultaneously transmitting and receiving with waves of substantially the same carrier frequency comprising a station having a transmitter and a receiver, said transmitter comprising means for generating and transmitting a carrier wave angularly modulated in accordance with a local signal, said receiver comprising means for receiving both an incoming wave of substantially the same carrier frequency, angularly modulated in accordance with a distant signal and a residual portion of the wave from said transmitter, means for converting said residual portion to a wave of constant frequency and means for substantially eliminating in said receiver said wave of constant frequency.

2,576,158
HOISTING APPARATUS
David A. Wallace, Grosse Pointe, Mich., assignor to Walco, Inc., Detroit, Mich., a corporation of Michigan
Application November 22, 1946, Serial No. 711,649
23 Claims. (Cl. 254—89)

1. Hoisting apparatus comprising a base member, a longitudinally extensible boom member pivotally mounted at one end portion on said base member for rotative movement in a substantially vertical plane between substantially horizontal and upright positions and including laterally spaced rigidly connected extensible elements, a load receiving seat on the free end of said boom member, mechanism operable while said extensible elements are in contracted positions for rotating said boom member from its lower to its upright position including means receivable in nested relation between said extensible elements of said boom member in its lower position, and means for extending said elements while they are in their upright positions.

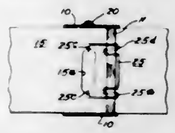


2,576,159
VENETIAN BLIND PART
Brooks Walker, Piedmont, Calif.
Application December 26, 1947, Serial No. 793,882
2 Claims. (Cl. 160—178)



1. In a Venetian blind, a flexible ladder tape comprising spaced tapes connected together by cross rungs arranged and fastened to the spaced tapes in staggered relation, and a slat supported by a cross rung, said slat having longitudinal edges, two tongues formed from portions of the slat, and within the confines thereof, one side edge of each tongue being a continuation of one of the longitudinal edges of the slat, said tongue and adjacent portion of the slat forming an elongated slot of a length substantially equal to the width of the cross rung, said slot having an entrance opening at one end for the cross rung transversely of the slot so that the cross rung may pass over the two tongues, through the two slots and under the slat proper for holding the slat to the cross rung.

2,576,160
VENETIAN BLIND PART
Brooks Walker, Piedmont, Calif.
Application December 31, 1947, Serial No. 794,851
1 Claim. (Cl. 160—178)



In a Venetian blind, a ladder tape comprising spaced side members and cross rungs, a slat supported on one of the rungs, said slat having an aperture therein, and a clip for securing said slat to said rung, said clip comprising spaced rung engaging portions intermediate the ends of the clip the rung engaging portion consisting of a zigzag formation comprising a central projection and slots on each side thereof for receiving the rung and hooked end portions for engaging the aperture so as to connect the slat to the rung and prevent lateral movement of the slat.

2,576,161
PROCESS FOR REMOVING HALOGEN FROM A HALOPHENOL
Ralph B. Thompson, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 22, 1949, Serial No. 82,910
10 Claims. (Cl. 260—629)

1. A process for removing halogen from a halophenol which comprises heating said halophenol and a molar excess of a water-containing solution of a water-soluble alkaline sulfide at a temperature of from about 150° to about 350° C. for a time period of from about 2 to about 5 hours.

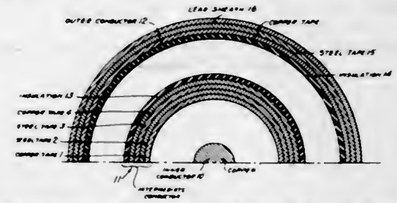
2,576,162
GARMENT HANGER WITH INTEGRAL LOCKING MEANS
Benjamin Weiss, Flushing, N. Y.
Application August 22, 1947, Serial No. 770,091
2 Claims. (Cl. 223—94)



1. A twin garment hanger comprising a pair of horizontal bars constituting yokes and being of dimensions adapting them to be each fitted into the upper portions of a garment and to support the garments from the yokes with portions of the garments disposed between said yoke, a suspension element for each yoke, each suspension element consisting of a metal strand bent to form a hook having a downwardly extending shank secured at its lower end to a companion one of said yokes, said hooks each having a bill disposed in the plane of the companion yoke and terminating in a laterally projecting eye, the eyes of said hooks being disposed one against the other, a pin passing through said eyes and pivotally connecting the hooks for swinging movement toward and away from each other, one hook having its shank crimped intermediate its length and forming an arm of double thickness projecting toward the shank of the other hook and bent to form a latch having a laterally extending bill curved longitudinally and detachably engageable across the shank of the second hook to releasably hold the yokes close to each other in position for gripping between them portions of garments in which the yokes are fitted and preventing the garments from slipping off of the yokes.

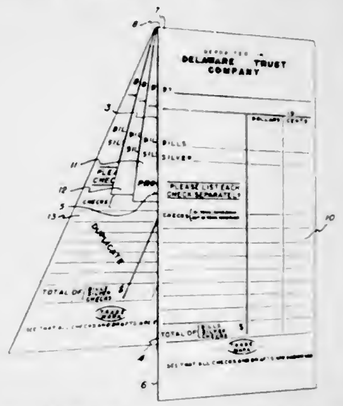
2,576,163
CONCENTRIC CONDUCTOR ELECTRIC CABLE WITH MAGNETIC SCREEN
William Kirby Weston and Eric Baguley, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application May 8, 1948, Serial No. 25,886
In Great Britain May 10, 1945
6 Claims. (Cl. 174—28)

1. A flexible triple coaxial conductor of the type including concentrically arranged inner, intermediate and outer conductors with the inner and intermediate conductors comprising a first transmission circuit and the intermediate and outer conductors comprising a second and independent transmission circuit, the said intermediate conductor being a composite stratified structure of which each of the outer layers is



a longitudinally folded copper tape constituting one conductor each of each circuit, and at least one layer is of longitudinally folded steel tape between the outer layers of said stratified structure, whereby electromagnetic interference of one circuit with the other is minimized.

2,576,164
COMBINATION DEPOSIT AND CASH SLIP
Henry George Willis, Wilmington, Del.
Application September 3, 1948, Serial No. 47,703
3 Claims. (Cl. 282—23)



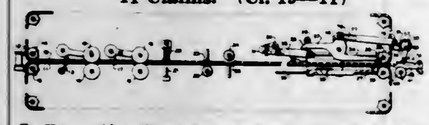
1. A combination bank deposit and cash slip comprising two folded strips of paper nested together at their folds to form an assembly of four stacked sheets, the top sheet being a deposit slip having suitable appropriately designated spaces for the entry of the deposit information including the name of the depositor, the date, the amount of bills and coin, the listing of the checks and the total of the deposit amount, the back of the top sheet being carbonized to effect duplication of these entries on the lower sheets, the second and third sheets from the top being cash slips having carbonized backs and shorter than the top sheet for receiving and transferring carbonized copies only of the name of the depositor, date, and the amount of bills and coin, the bottom sheet being a duplicate deposit slip longer than the cash slips for receiving carbonized copies of all the deposit data, said strips having their folds perforated for ready detachment of the individual slips and being detachably united by pasting of the top sheet to the adjacent sheet near their folds to initially hold the strips together and to hold the top sheet to the adjacent sheet when the top sheet is torn from the bottom sheet.

2,576,165
ELECTRIC SOCKET MEMBER HAVING PLUG-IN OPENINGS FOR THE PRONGS OF A PLURALITY OF PLUGS
John R. Wood, Burbank, Calif., assignor of one-third to John R. Wood, one-third to Thomas J. Wood, Sr., and one-third to Thomas J. Wood, Jr., joint trustees
Application February 24, 1948, Serial No. 10,277
3 Claims. (Cl. 173—334)



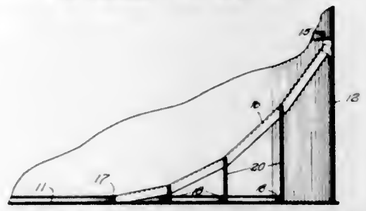
1. In a multiple plug socket adapted to enclose the continuous current conducting wires in and intermediate the ends of an insulated cable, the combination of a pair of elongated members of similar shape and size and formed of insulating material, means for securing said members together, the inner walls of said members at opposite ends thereof being formed with related recesses forming inlet openings for lead-in wires, the inner wall of one of said members being formed with spaced parallel grooves extending longitudinally thereof connected with said openings, the wires of the cable co-extensive with said grooves being stripped of the insulation and seated in said grooves, respectively, each of said members being formed with a plurality of pairs of transversely extending through openings and the inner wall of the other member being formed with a plurality of pairs of recesses, each alined with one of the pairs of through openings, the through openings of each pair thereof intersecting the conductor grooves, whereby the prongs of a plug when inserted in a selected pair of through openings contact the conductors, respectively, the through openings in one member and alined recesses being staggered relative to the through openings and alined recesses in the other member.

2,576,166
DECORTICATOR
William E. Wright, West Palm Beach, Fla., assignor to Sea Island Mills, Inc., New York, N. Y.
Application May 3, 1947, Serial No. 745,786
11 Claims. (Cl. 19—11)



7. Decorticating apparatus for cleaning the fiber content of fiber bearing plant stalks comprising cleaning means operative to clean the fiber except for the butt end portions of the stalks and means operative to clean the fiber in the butt end portions; feed means for feeding said butt end portions into said end cleaning means; and means operative by said feed means and in timed relation thereto to adjust said end cleaning means for the reception of butt end portions fed thereto by said feed means.

2,576,167
FLUID STORAGE VESSEL
Leonard P. Zick, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application May 2, 1947, Serial No. 745,558
12 Claims. (Cl. 220—71)



4. In a fluid storage tank having a flat bottom, a top and side walls, said side walls having at lease a portion substantially cylindrical in shape, means for stressing the tank against internal pressure comprising a ring compression member attached to the cylindrical portion of the side walls above the bottom of the tank, a tension member substantially in the shape of a catenary attached to the bottom and to the ring compression member, a plurality of stiffeners attached to the bottom and a plurality of vertical tie members having one end attached to the tension member and having the other end attached to the stiffeners.

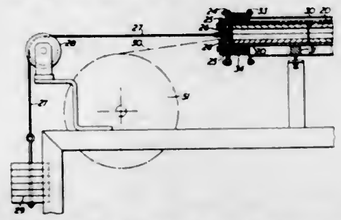
2,576,168
MAGNET CUTOFF VALVE
Rufus V. Allen, Chino, Calif.
Application April 25, 1950, Serial No. 158,004
4 Claims. (Cl. 137—139)



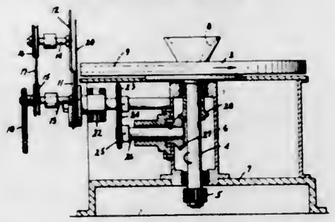
2. A valve structure comprising a conduit having a valve seat therein, a valve member located within the conduit and seated against the valve seat to prevent the flow of fluid through the conduit, said conduit also having a hollow lateral projection for receiving the valve member to permit fluid to flow through the conduit, said valve member being of magnetically attracted material, and a magnet slidable to a position overlying said projection to urge the valve into the projection and in its open position.

2,576,169
HEAT TREATMENT OF STRIP METALS
George Walker Ashton, Sheffield, England, assignor to Samuel Fox and Company Limited, near Sheffield, England, a British company
Application July 27, 1948, Serial No. 40,898
In Great Britain July 28, 1947
10 Claims. (Cl. 263—41)

1. An apparatus for heat treatment of continuous lengths of metal, comprising a furnace including a heating chamber, a tube-shaped substantially gas tight muffle disposed within the furnace chamber, said furnace and muffle having an inlet and a discharge opening respectively for passing said lengths of metal through the muffle, said muffle being made of a metal substantially semi-plastic at the operating temperature of the apparatus, internal support means disposed within the muffle independently therefrom for supporting the muffle against sagging, said support means being made of a material remaining substantially rigid at said operating temperature, external support means disposed outside the muffle independently therefrom for supporting the muffle, said external support means being arranged to provide for longitudinal expansion and contraction movements of the muffle relative to the support means, and conduit means to admit a non-oxidizing gaseous medium into the furnace chamber and the muffle for maintaining a non-oxidizing atmosphere in said furnace chamber and in the interior of said muffle.



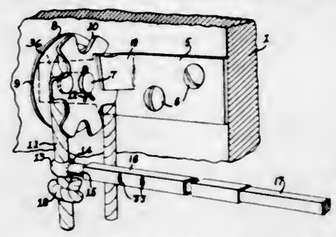
2,576,170
STAPLE FIBER CUTTER
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 18, 1949, Serial No. 99,988
8 Claims. (Cl. 164—61)



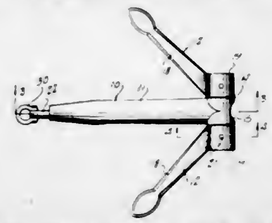
1. A device for cutting continuous filamentary bundles comprising a rotatable member having an axial passage communicating with a radial passage for feeding the filamentary bundle radially therefrom, knife means spaced from the member and stationed adjacent the periphery of the rotatable member in the path of the filamentary bundle fed thereby, means for rotating the member, and shutter means for periodically obstructing the space between the periphery of the rotatable member and the knife means.

2,576,171
APPARATUS FOR RAISING CURTAINS, SHADES, AND BLINDS
Nils Bratt, Chicago, Ill.
Application March 2, 1949, Serial No. 79,177
6 Claims. (Cl. 211—105.1)

3. Apparatus for hanging curtains, including a curtain rod, in combination, a flat plate support to which the rod is detachably secured, means for hoisting the plate support to a predetermined height for hanging the curtains, said means including a pulley mechanism having a notched flange operable by an endless cord which is secured to said support and extends over said pulley, and means cooperating with said notched flange for detachably holding the support at the predetermined height, said cord also serving to detach the support from the holding device when it is desired to lower the support and the curtain rod, and means for maintaining the support in the same vertical plane when the latter is in the elevated or in the lowered position.



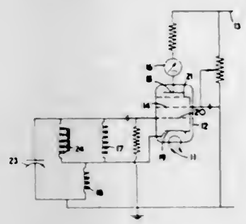
2,576,172
FLUKE ANCHOR
Normal Edison Burleson, Sr., Knoxville, Tenn.
Application September 13, 1949, Serial No. 115,508
1 Claim. (Cl. 114—208)



An anchor comprising a tubular shank having a bore extending longitudinally inwardly from one end thereof and terminating at a point spaced from the other end thereof, there being a counterbore of larger diameter than said bore in said shank and extending longitudinally inwardly from said other end of the shank and merging into the terminating point of said bore, a hollow tubular journal bearing arranged transversely of and fixedly secured to said other end of said shank, the interior of said bearing being directly in communication with said counterbore of said shank, a hollow tubular bearing pin rotatably supported in said bearing and having end portions thereof projecting beyond the ends of said bearing, a pair of flukes arranged in divergent spaced relation positioned longitudinally of said shank and each having at its convergent end a sleeve slidably receiving the adjacent projecting end portion of said bearing pin, means connecting said sleeves to said bearing pin for rotation with the latter, said bearing pin being provided in the portion within said bearing with a circumferentially extending slot, a pull rod extending slidably through the bore and counterbore of said shank and having one end projecting beyond said one end of said shank and having the other end projecting through said slot in said bearing pin, the portion of said shank containing said bore being of such a length as to substantially prevent bending of said pull rod, an abutment pin carried by said pull rod adjacent said other end of said rod, a coil spring positioned within said counterbore and circumposed about the adjacent portion of said pull rod and having one end engaged with said abutment pin and having the other end bearing against the terminating end of the shank bore for urging the other end of said pull rod to project into said slot, a washer slidably supported on said pull rod intermediate said

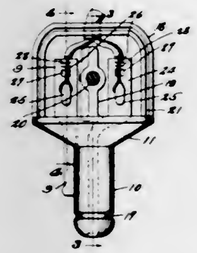
abutment pin and said other end of said pull rod and engageable with said bearing pin for limiting the degree of projection of the other end of said pull rod into said slot, and line attaching means on said one projecting end of said pull rod.

2,576,173
ELECTRONIC COMPARATOR FOR ANALYZING FERROUS AND NONFERROUS MATERIAL
James Richard Cornelius, Coventry, England
Application January 5, 1950, Serial No. 136,975
In Great Britain January 25, 1949
2 Claims. (Cl. 175—183)



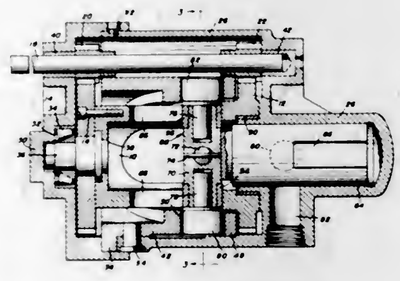
1. An electronic comparator including an oscillatory circuit employing a pentode, two inductances serving to maintain oscillations within the circuit, the inductances being in series with one another and connected, respectively, between a grid and the cathode, and the cathode and earth, of the pentode, a large variable capacitance which is connected across the two extreme ends of said two inductances, forming therewith a variable frequency adjusting means for the circuit, and a discriminating inductance, adapted to receive a specimen to be examined, shunted across said cathode and grid of the pentode, the discriminating inductance serving to block the circuit oscillations, dependently upon the characteristics of the specimen, at some particular value of the variable capacitance.

2,576,174
SEPARABLE ELECTRIC PLUG
Martin A. Denine, deceased, late of Los Angeles, Calif., by James Bruce Denine, administrator, Los Angeles, Calif., assignor, by decree of distribution, to James Bruce Denine
Substituted for abandoned application Serial No. 325,886, March 25, 1940. This application October 27, 1950, Serial No. 192,424
2 Claims. (Cl. 173—361)



1. A separable electric plug including a hollow body portion, a stem extending from the body portion, contact members extending along the stem, said contact members extending into the hollow body portion, contact fingers extending from the contact members and around which wires of an electric circuit are twisted, said contact members having openings adjacent to said contact fingers, a removable cover for said body portion, and an insulating plug held in position between the cover and contact members, and said insulating plug adapted to force portions of said electric wires into said openings, securing the wires against movement with respect to the contact members.

2,576,175
ROTARY PISTON PUMP
Wayne B. Esley, Rochester, N. Y., assignor of one-third to Gerald Burns, one-third to Merlyn R. Sweet, and one-third to Herbert Brueckner
Application August 11, 1949, Serial No. 109,729
2 Claims. (Cl. 103—157)

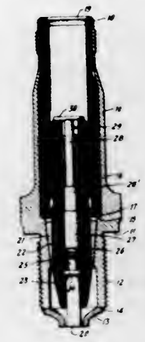


1. A pump comprising a housing having a cylinder with a piston therein, an operating shaft mounted for rotation in said housing, spaced pinions fixed to said shaft, a cage rotatively mounted in bearings in said housing and being substantially parallel with said cylinder, spaced gears secured to said cage and enmeshed with said pinions whereby said cage is rotated as a result of rotation of said operating shaft, longitudinal slots in said cage, a member fixed to said housing in concentric relationship with said cage and having a cam track therein, a cam follower secured to said piston and passed through said slots and disposed in said cam track so as to impart reciprocatory movement to said piston while it is being rotated by engagement of said cam follower in the longitudinal slots of the cage, valve pockets in said piston, and an inlet and an outlet in said cylinder progressively in communication with said pockets when said piston is rotated and reciprocated.

2,576,176
SPARK PLUG ASSEMBLY
Embry D. Faatz, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1946, Serial No. 668,202
12 Claims. (Cl. 123—169)

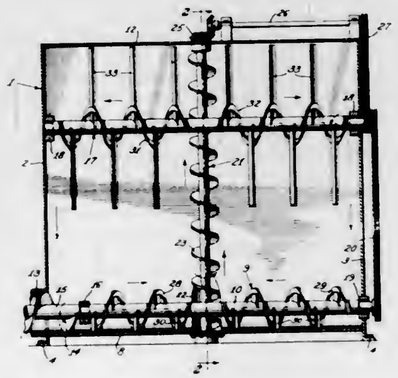
1. A spark plug assembly comprising a tubular insulator having a bore providing an internal shoulder, a snug fitting center electrode having a cooperating shoulder and an internally projecting stud, a carbon cap upon said stud having an internal content of glassy dielectric, a resistor engaged with said cap, a terminal having a spindle

engaging said resistor and a head engaging the insulator, and a glassy dielectric sealing the in-



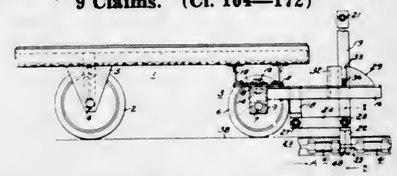
ternal spaces of the assembly and holding the parts together.

2,576,177
FEED MIXING APPARATUS
Joseph Stanley Herr, Nottingham, Pa.
Original application December 30, 1948, Serial No. 68,177, now Patent No. 2,546,747, dated March 27, 1951. Divided and this application October 4, 1950, Serial No. 188,403
7 Claims. (Cl. 259—6)



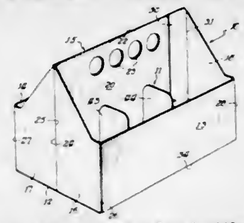
1. Mixer for feeds or the like comprising a casing, transverse screw conveyors at different levels below the normal depth of feed in said casing, the lower conveyor being at the bottom of the casing, said casing being convergently narrow toward the bottom to a width substantially equal to the diameter of said lower conveyor, means for driving said transverse conveyors in such direction as to convey feed in opposite directions, a conveyor for conveying feed from the discharge end of the lower conveyor to the anterior end of the upper conveyor, means for driving said last named conveyor, means for admitting feed constituents to said casing, said conveyors operating submerged beneath a mass of feed in said casing, said transverse conveyors having vanes consisting of peripheral ribbons supported in spaced relation from the shafts of said conveyors, and the upper of said transverse conveyors being provided with radial mixing blades extending radially beyond the vane of said conveyor.

2,576,178
DRAFT RIGGING FOR WAGONS
Earl W. Hiles, Athens, and Walter H. Ruther, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 13, 1947, Serial No. 791,514
9 Claims. (Cl. 104—172)



1. The combination of a wheeled wagon truck adapted for swivel movement on a vertical axis, and a draft rigging comprising a pair of supporting beams rigidly connected with said truck so as to extend transversely of said axis in horizontally spaced parallel relation to each other, a rearward post secured to and extending downwardly from said beams, a draft tongue straddled by said beams forwardly of said post, a link having a first pivot center on said post and a second pivot center on a portion of said tongue below said supporting beams, a pair of guide plates for said tongue secured to and extending upwardly from said supporting beams, respectively, at opposite sides of said draft tongue, each of said guide plates having a vertical slot open at its upper end, and a cross pin mounted on said tongue and adapted to be lowered into and raised from said slots by endwise downward and upward movement, respectively, of said draft tongue.

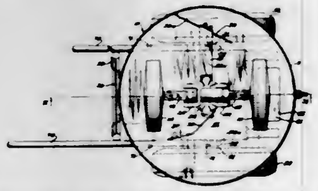
2,576,179
COLLAPSIBLE CARRIER
Mitchel E. Holy, Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application June 13, 1949, Serial No. 98,668
2 Claims. (Cl. 229—28)



1. A paperboard carrier for bottles and similar articles, comprising a pair of tubular members, each of the members including a side panel, a central longitudinal panel and a pair of end panels hingedly joined to the side panel and the central panel along parallel fold lines, the central panels being integrally joined along their upper edges and disposed in face-to-face relation, a common bottom panel for said tubular members and hinged thereto only along the lower edges of the side panels and having a central longitudinal fold line, whereby the carrier may be erected from flat condition with the side panels against but longitudinally displaced from the central panels to expanded condition with the end panels normal to the side and central panels, the bottom panel also having a pair of spaced transverse slots extending across and substantially equal distances on either side of the central fold line and the central panels having

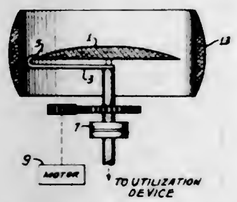
a pair of registering slots extending upwardly from their bottom edges positioned also to register with the respective slots in the bottom panel when the carrier is in expanded condition, and a separate partition member having a width substantially equal to the length of the slots in the bottom panel and comprising a bottom portion having a length substantially equal to the distance between the slots in the bottom panel and a partition portion integrally joined respectively to each of two opposite ends of the bottom portion, each of the partition portions having a central slot extending inwardly from its free end, the bottom portion underlying the bottom panel and the partition portions extending upwardly through the slots in the bottom panel with the slots in the partition portions in interengaging relation with the slots in the central panels, whereby the carrier is maintained in expanded condition.

2,576,180
MIXER
Walter Horth, Wilmette, Ill., assignor, by mesne assignments, to Herbert S. Simpson, as trustee, Evanston, Ill.
Application January 29, 1949, Serial No. 73,560
8 Claims. (Cl. 259—102)



1. A mulling machine comprising a material-carrying crib, muller wheels operably mounted in said crib for mulling the material, abutment arms connected to each wheel, a telescoping casing disposed between said abutment arms, and spring means in said casing arranged to separate the members of the telescoping casing and urge both wheels simultaneously against the material in the crib.

2,576,181
FOCUSING DEVICE FOR CENTIMETER WAVES
Harley Iams, Venice, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1947, Serial No. 782,521
7 Claims. (Cl. 250—33.63)

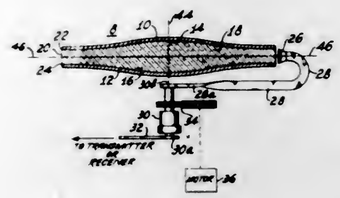


1. A device for focusing radio waves in linear phase fronts lying in a single plane, comprising a body of dielectric material symmetrical with respect to a line perpendicular to said plane, and having a thickness parallel to said line which varies inversely as the distance from said line in such manner that the effective refractive index n of said body to waves travelling parallel to said plane varies from point to point as:

$$n=\sqrt{2-R^2}$$

where R is the ratio of the radial distance of a point on said body from said line to the maximum radial distance, and means for directing radio waves to be focused toward said body substantially along a radius from said line in said plane.

2,576,182
SCANNING ANTENNA SYSTEM
William C. Wilkinson, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1950, Serial No. 139,859
8 Claims. (Cl. 250—33.63)



7. A focusing device comprising a pair of dielectrically separated metallic bodies having wave-guiding surfaces opaque to electromagnetic energy at the operating frequency and facing each other and rotationally symmetrical with respect to a common axis, said bodies having substantially the same radius, said surfaces defining therebetween a disk-like space with a circular edge, a dielectric being the sole filling in said space, the distance of separation between the surfaces at any point bearing a predetermined relation to the radial distance in the disk-like space from said axis to said point, so determined that rays of collimated electromagnetic energy polarized with the electric vector parallel to the plane of said disk-like space and entering said space at the edge thereof is focused substantially at the point on said edge intersected by the radius vector from said axis parallel to and in the same direction as that of said rays said predetermined relation being

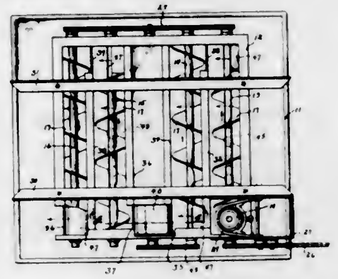
$$a=\frac{a_0}{2\sqrt{e+(r/R)^2-2}}$$

where a is the separation between the surfaces at a distance r from said axis, and R is the peripheral radius of each body.

2,576,183
DEVICE FOR COOKING DOUGHNUTS
Houston N. Irvine and Kenneth L. Magee, Burlington, Iowa
Application July 3, 1947, Serial No. 758,902
6 Claims. (Cl. 99—405)

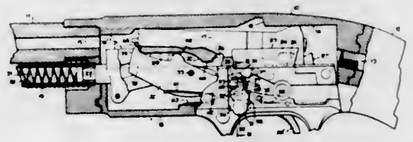
1. In a doughnut cooking machine, a frame, a means for suspending said frame in a vat of hot cooking liquid, a plurality of horizontal auger elements rotatably mounted in said frame, some of which are spiraled in the opposite directions, vertical partition walls for separating said auger elements from each other, doughnut cake passageways in some of said walls, a doughnut cake

turning means on said frame, and a chain means for operatively connecting said auger elements



and said doughnut cake turning means together for synchronized movement.

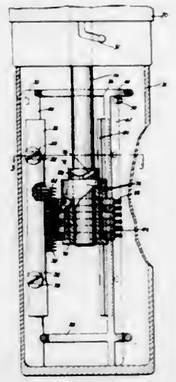
2,576,184
ACTION LOCK FOR SELF-LOADING FIREARMS
Paul A. Klocker, New Haven, Conn., assignor of one-half to The High Standard Manufacturing Corporation, Hamden, Conn., a corporation of Connecticut, and one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of Illinois
Application March 16, 1951, Serial No. 216,068
9 Claims. (Cl. 42—17)



1. A repeating firearm having a frame and a barrel provided with a cartridge-chamber, and including in combination: a breech-bolt movable longitudinally in the frame of said firearm for chambering a cartridge in the cartridge-chamber of said barrel; a cartridge-magazine; a movable cartridge-carrier for transferring cartridges from the said magazine into a position for chambering by said breech-bolt, said cartridge-carrier having a chambering position and an action-locking position, a portion of said carrier being engageable with the said breech-bolt to hold the same in its retired position when the carrier is in its action-locking position; and latch-means comprising a member arranged to be releasably engageable with said cartridge carrier to lock the said breech-bolt engaging-portion thereof up in the path of movement of the breech-bolt to hold the latter from moving forwardly into breech-closing position.

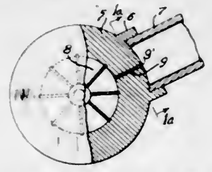
2,576,185
CLEANING DEVICE FOR ROTARY BRUSHES
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 9, 1946, Serial No. 702,231
3 Claims. (Cl. 15—3)

2. In a brush-cleaning device, a support, a container removably mounted thereon, a shaft terminating within the container and having a fixed cross member, a brush-supporting sleeve fitting the inner periphery of an annular brush hub and having an enlarged head at one end, said sleeve being slidable on said shaft, and means on the unheaded end of said sleeve cooperating with said cross member detachably to clamp said sleeve



to said shaft and to grip the brush hub against the head of the sleeve.

2,576,186
ULTRAHIGH-FREQUENCY COUPLING DEVICE
Louis Malter, Washington, D. C., and John L. Moll, Columbus, Ohio, assignors to Radio Corporation of America, a corporation of Delaware
Application October 22, 1946, Serial No. 704,876
5 Claims. (Cl. 178—44)

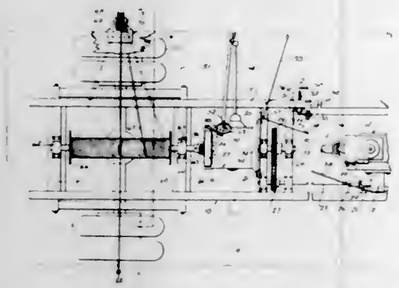


1. An ultra-high frequency radio energy circuit operating at a particular wavelength including as elements a resonator enclosing an evacuated space and having a metallic wall portion and a certain impedance, a slot in said wall portion, solid dielectric filling said slot in hermetically sealed relationship to maintain the vacuum in said resonator, a waveguide having an impedance different from that of said resonator and terminating at said wall portion and having a dielectric under some pressure relative to said evacuated space, said slot being in energy communicating relationship between said space and said waveguide, said dielectric filled slot having a characteristic impedance equal to the square root of the product of the waveguide and resonator impedances and having an electrical length of a quarter of said operating wavelength and a physical length equal to the thickness of said wall portion.

2,576,187
LOG-LOADING DEVICE FOR MOTOR VEHICLES
Miles M. McBride and Leonard L. McBride, Kinderhook, and Samuel D. Curry, Oakwood, Ill.
Application June 16, 1950, Serial No. 168,566
2 Claims. (Cl. 214—85)

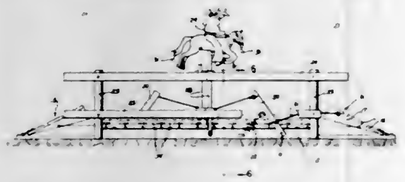
1. A log-loading device for a truck having a horizontal main frame and a horizontal bed spaced above the main frame and an engine including a power take-off mechanism, said device

comprising a gear transmission disposed near the longitudinal center of the truck main frame and mounted upon the main frame and arranged below the bed, gearing connecting the gear transmission with the power take-off mechanism of the engine, a horizontally swingable lever pivotally mounted upon the truck and arranged beneath the bed of the truck, a control rod connected with the lever and with the power take-off mechanism for rendering such mechanism operative and inoperative, said gear transmission including a horizontal transverse gearshift lever arranged near said horizontally swingable lever and beneath the bed of the truck, a horizontal longitudinally extending winding drum rotatably mounted upon the main frame rearwardly of the



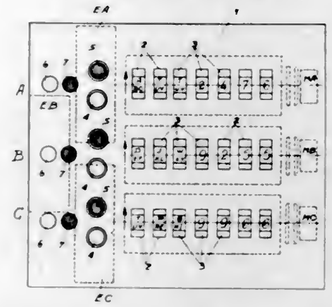
gear transmission and connected with the gear transmission to be driven thereby, a brake device secured to the gear transmission and connected with the winding drum for controlling the rotation of the drum, and a horizontal transverse brake lever mounted upon the gear transmission and connected with the brake device for actuating the same, the brake lever being arranged near said gearshift and horizontally swingable levers, all of said levers projecting laterally upon one side of the truck and beneath the truck bed, a cable wound upon the winding drum so that it may be payed out transversely of the bed, and a longitudinally disposed sheave slidably mounted upon one longitudinal side edge of the bed and adapted to have the free end of the cable passed thereabout.

2,576,188
CATTLE GUARD
Edward S. McPherson, Upton, Wyo.
Application December 30, 1949, Serial No. 136,121
4 Claims. (Cl. 256—14)



1. A cattle guard for vehicles comprising a support, a pair of horizontally disposed treadways arranged in spaced parallel relation with respect to each other and secured to said support, a treadle arranged at an angle with respect to said treadways contiguous to each end thereof and connected to said support for movement from the angular position to a horizontal position in alignment with said treadways, a plurality of sounding elements traversing said treadways and connected to said support, and a resilient element normally engaging all of said sounding members and operatively connected to said treadles for actuating said sounding members in response to the movement of said treadles from said angular position to said horizontal position.

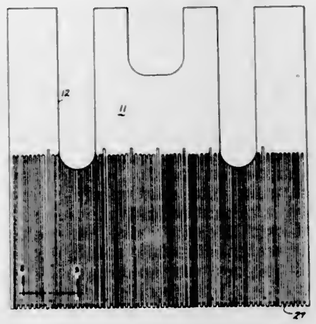
2,576,189
AUTOMATIC MULTIPLE DIALING APPARATUS
Charles Wolfran Olliver, Paris, France, assignor to Societe Civile des Brevets O. B., Paris, France
Application December 21, 1948, Serial No. 66,411
In France December 22, 1947
3 Claims. (Cl. 179—90)



1. An apparatus for calling automatically at least one telephone number by emitting groups of impulses, each group corresponding to a digit of the telephone number to be called, comprising in combination a plurality of impulse controlling circuits, one for each digit of the telephone numbers to be called; an impulse control switch in each of said impulse controlling circuits; a plurality of impulse transmitters comprising each an energizing circuit, an energizing switch in said energizing circuit, a rotatable shaft, a telephone impulse sender mounted on said shaft, driving means energized by said energizing circuit for rotating said shaft in one direction, resilient means urging said shaft in the opposite direction to a position of rest and a manually adjustable impulse controlling device associated with each of said impulse controlling circuits, each of said manually adjustable impulse controlling devices comprising a cipher carrying drum mounted on said shaft so as to be manually angularly adjustable with respect to said telephone impulse sender, an abutment on said drum, an impulse controlling relay energized by one of said impulse controlling circuits, an armature on said relay, said armature occupying when said impulse controlling relay is de-energized a position outside the path of said abutment and being shifted into said path when said impulse controlling relay is energized, an interrupting circuit including said abutment and said armature, and an energizing relay in said energizing circuit and operatively connected to said interrupting circuit for interrupting said energizing circuit when said interrupting circuit is closed by the engagement of said abutment with said armature; a timing gear comprising a distributing relay operatively engaging said energizing switches so that said energizing circuits are closed successively, in turn, when said distributing relay is operated, an operating circuit for said distributing relay, an operating switch in said operating circuit, cam means operatively engaging said

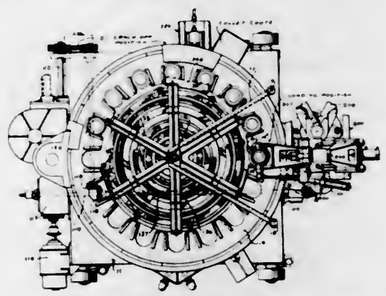
operating switch for operating said distributing relay periodically, and other cam means operatively engaging said impulse control switches for closing said impulse controlling circuits successively after each operation of said distributing relay; a line switch controlled by said timing gear for closing the telephone line during operation of any of said impulse transmitters; and an answer signal mounted in series with said line switch and responsive to the answer of a called number.

2,576,190
EXCELSIOR KNIFE
Frank H. Phillips, Cleveland, Tenn.
Application July 19, 1949, Serial No. 105,489
3 Claims. (Cl. 144—218)



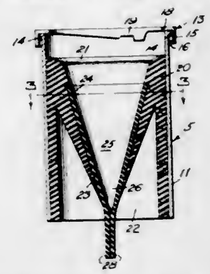
1. A knife for an excelsior cutting machine having a bevelled edge forming a cutting edge and having a plurality of parallel grooves in its face that cooperate with the bevelled cutting edge to form a plurality of cutting teeth, said grooves including grooves of deeper depth than the other of said grooves, said grooves of deeper depth being spaced periodically across the face of the knife.

2,576,191
GLASS BLOWING MACHINE
Leander N. Pond, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 15, 1946, Serial No. 703,442
15 Claims. (Cl. 49—5)



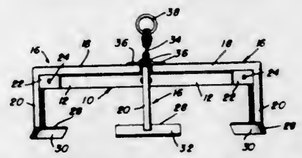
2. In a glass working machine an orifice plate, two orifice plate holders movable about concentric adjacent paths, means for moving said holders about their paths, and means for transferring said plate back and forth between said holders during their movement.

2,576,192
VENTING ATTACHMENT FOR GASOLINE TANK FILLING NECKS
William Poznik, Brooklyn, N. Y.
Application January 9, 1948, Serial No. 1,305
7 Claims. (Cl. 220—86)



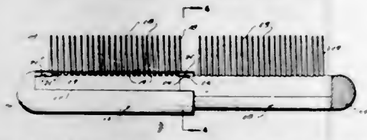
4. A vent attachment for the filling neck of a gasoline tank comprising a porous body member adapted to be disposed in a gasoline tank filling neck and having a bore extending therethrough adapted to receive the discharge end of a gasoline pump hose nozzle whereby the gasoline therefrom is adapted to pass freely through the inner end portion of said bore and through the filling neck to the tank, and said porous body member forming an escape for air therethrough and around the nozzle and a seal adapted to prevent gasoline from passing therethrough or around the outside thereof, and a substantially tubular lining of a non-porous material disposed in said bore and extending from adjacent its outer end and protruding from the inner end thereof, said tubular lining including an outer, substantially conical end portion and an inner split end defining flaps normally disposed in abutting engagement for closing the inner end of said attachment, said lining being formed of a flexible, expansible material adapted to be opened at its inner closed end by the pressure of the gasoline from the nozzle.

2,576,193
BARREL GRAPPLE
Kenneth Lee Reynolds, Fort Fairfield, Maine
Application June 20, 1949, Serial No. 100,175
2 Claims. (Cl. 294—106)



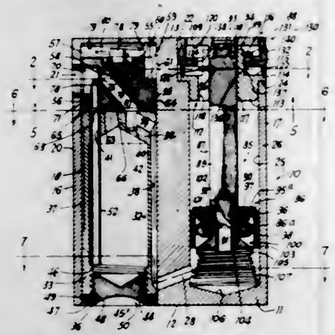
1. A barrel grapple comprising a yoke including three arms extending radially from a common center and spaced equally at their outer ends from each other, said arms being joined together at their inner ends at said center, three L-shaped bars, one bar being secured to the outer end of each arm, each bar having a longer leg disposed above its arm and a shorter leg joined together and having a strengthening plate at the junction of said legs, a pivot pin passed through an opening in said plate and attached to the outer end of one of said arms, barrel contacting plates fixed to the outer end of the shorter legs, flexible lifting members for said bars, and means to fasten said lifting members to the inner ends of said longer legs.

2,576,194
FOLDABLE COMB
Clifford Parker Robertson, San Diego, Calif.
Application April 28, 1950, Serial No. 158,699
3 Claims. (Cl. 132—15)



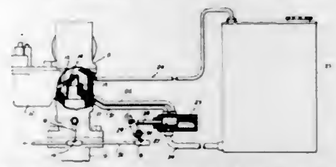
1. In a foldable comb, an outer tubular section, an inner section telescoped in said outer section, said inner section being axially rotatable and longitudinally slidable relative to said outer section, a row of comb teeth on the exterior of and extending longitudinally of each of said sections, said inner section being arranged to have a major portion of the length thereof positioned within said outer section in the closed position of the comb and to have a major portion of the length thereof positioned outwardly of said outer section in the open position of the comb with its row of teeth in endwise relation to the teeth on the outer section, inner and outer internal detent elements in the interior of said outer section at the opposite ends thereof, an external detent element at the inner end of said inner section, said external detent element being releasably engageable with said outer internal detent element in the closed position of said inner section and releasably engageable with said inner internal detent element in the open position of said inner section, said outer comb section being formed with opening means enabling passage of the row of comb teeth on said inner section into side-by-side relation to the row of comb teeth of the outer section as the inner section is moved into the outer section into closed position.

2,576,195
ATOMIZER FOR PERFUME AND LIKE LIQUIDS
Hobart A. Simpson, Valley Stream, and Alfred A. Bamberger, Flushing, N. Y.
Application August 18, 1948, Serial No. 44,814
16 Claims. (Cl. 299—88)



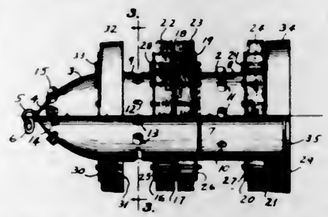
13. An atomizer comprising a body, a liquid chamber within said body, a rotary valve head within said body and provided with means to control passage of liquid from said liquid chamber, an air pump on said body including a reciprocating piston, said rotary valve being provided with means to control passage of air from said pump, means on said body to retain the piston in depressed condition, and means connected to said retaining means for rotating said valve, said last mentioned means comprising an elongated member having one end loosely pivoted to said retaining means and the other end loosely pivoted to said valve, and adapted to rotate said valve upon rotating said retaining means.

2,576,196
MOISTURE INJECTOR FOR INTERNAL-COMBUSTION ENGINE CARBURETORS
Stanley Stanalis, Venice, Calif.
Application September 13, 1946, Serial No. 696,687
2 Claims. (Cl. 261—18)



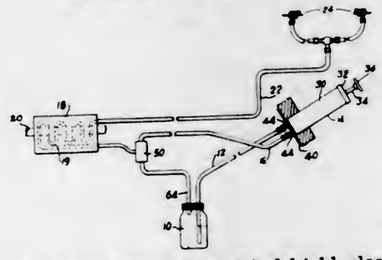
1. A carburetor comprising a liquid fuel venturi, a liquid fuel and air mixing venturi below and communicated with said liquid fuel venturi, a throttle valve on the suction side of said mixing venturi, a water supply, conduit means leading from said supply comprising a plurality of water jets discharging into said mixing venturi, and control means in said conduit means responsive to opening of said throttle valve for occluding said plurality of water jets while said throttle valve is closed and successively opening said water jets as said throttle is progressively opened, said control means comprising a cylinder connected in said conduit means, a piston working in said cylinder and operatively connected to said throttle valve for actuation responsive to the opening and closing movements of the throttle valve, a series of longitudinally spaced ports in said cylinder with which said water jets are severally connected, and a single port to which is connected that portion of said conduit means leading from said water supply, said piston being arranged to occlude said series of ports and said single port in the closed position of said throttle valve and to uncover said single port and successive ones of said series of ports as said throttle valve is moved from closed position toward full open position.

2,576,197
FLUID MEDIUM PROPELLED AND ROTATED APPARATUS FOR CLEANING THE INSIDE OF PIPES
Dishman K. Stephens, Kansas City, Kans., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo., a corporation of Delaware
Application October 26, 1944, Serial No. 560,396
5 Claims. (Cl. 15—104.06)



2. In a pipe cleaning apparatus of the character described, an elongated tubular body having a closed forward end forming a nose, said body being adapted to receive a motive fluid for passage of said apparatus through a pipe to be cleaned, a plate dividing said body into front and rear chambers, brushes mounted on said body adjacent to the respective chambers, a plurality of nozzles extending outwardly from said rear chamber and tangentially of the center thereof, a plurality of nozzles extending tangentially inwardly in the front chamber, means on the respective ends of said body for maintaining differential in pressure between the front and rear ends of said body, and a plurality of nozzles extending tangentially outward from the nose of said body, whereby the motive fluid entering said body will be discharged tangentially from the core of said body to rotate said apparatus as it is propelled through said pipe by the motive fluid.

2,576,198
WINDSHIELD SPRAYER
Fred E. Stuart, Baltimore, Md., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application February 10, 1949, Serial No. 75,587
3 Claims. (Cl. 20—40.5)



1. In a liquid spray type windshield cleaning system; a nozzle for directing a spray against the windshield to be cleaned, a pump for forcing the spray liquid under pressure to the said nozzle, a heat exchanger connected between said pump and said nozzle operable to raise the temperature of liquid passing therethrough to the point of boiling, a drain conduit in said system, and a valve between said pump and said heat exchanger normally connecting said exchanger to said drain conduit and operable upon the development of pressure by said pump for interrupting said connection to said drain conduit and for connecting said heat exchanger so as to receive liquid displaced by said pump.

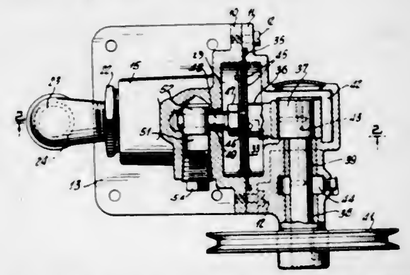
2,576,199
COMBINATION POST HOLE DIGGER AND EARTH REMOVER
Lewis D. Vogel, Rock Rapids, Iowa
Application December 2, 1947, Serial No. 789,150
4 Claims. (Cl. 255—19.1)

1. A post hole digger comprising an auger having a tubular shaft, a driven shaft journalled for rotation in said tubular shaft, a housing in which the upper ends of said driven shaft and said tubular shaft are rotatably mounted, hand gripping means carried by said housing, gear means disposed within said housing and operatively connected to said tubular shaft and said driven shaft for rotation of said auger in an opposite direction from said driven shaft, an earth digging member fixed on said driven shaft, and means operatively connecting said gear means to the power take-off of a tractor, said gear means including a drive beveled gear carried by the driving shaft, a first driven beveled gear carried by said tubular shaft, and a second driven beveled gear on said driven shaft and arranged oppositely than said first gear,



said driven gears both engaging said drive beveled gear.

2,576,200
DIAPHRAGM PUMP
Robert Von Rotz, Manhasset, N. Y., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application May 6, 1949, Serial No. 91,780
9 Claims. (Cl. 103—152)

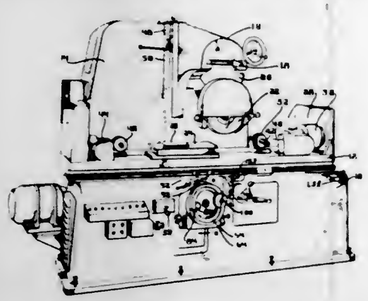


1. A diaphragm pump, including a housing presenting inlet and outlet ports, a pumping chamber intercommunicating said inlet and outlet ports, a flexible diaphragm in said chamber, reciprocating means for said diaphragm including a crank having a stem portion extending through and beyond said diaphragm, and a bearing in said housing receiving said stem extension and mounted for rotary motion about an axis substantially at right angles to the axis of said stem extension.

2,576,201
GRINDING METHOD AND MACHINE
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application June 29, 1945, Serial No. 602,275
24 Claims. (Cl. 51—5)

3. A method of dressing the working surface of a grinding wheel and a crushing roll operatively associated therewith which comprises the steps of, engaging a crushing roll against the working surface of a grinding wheel and crush forming the grinding wheel working surface thereby complementary to that of the surface of the crushing roll, establishing a surface-truing crushing roll in position for engagement by the working surface of the grinding wheel with the surface form of the truing roll in radial alignment with the surface form of the crushing roll, and intermittently causing the working surface of the grind-

ing wheel to engage the truing roll and crush form the grinding wheel surface thereby complementary to that of the surface of the truing roll



and thence causing the grinding wheel to engage the crushing roll and grind form the surface of the crushing roll thereby to that of the surface of the truing roll.

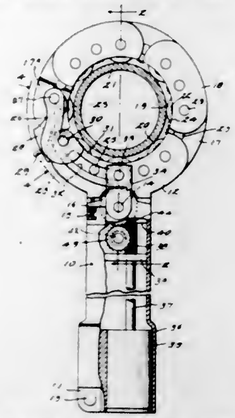
2,576,202
DEVICE COMPRISING AT LEAST ONE LEVEL VIAL
Albert Wullschleger, Weiningen, Switzerland
Application April 16, 1948, Serial No. 21,435
In Switzerland May 3, 1947
2 Claims. (Cl. 33—211)



2. A level vial comprising in combination, a transparent body member having an elongated cavity therein, said cavity being provided with axially spaced peripheral grooves formed on the inner wall side of said cavity and in planes transverse to the longitudinal axis of said cavity, spring means inserted in said grooves, liquid means filling said cavity only to such an extent as to leave a gas bubble between said grooves, and the wall section of the body member being of reduced thickness along at least one side of the cavity to form a viewing window for observing the said bubble.

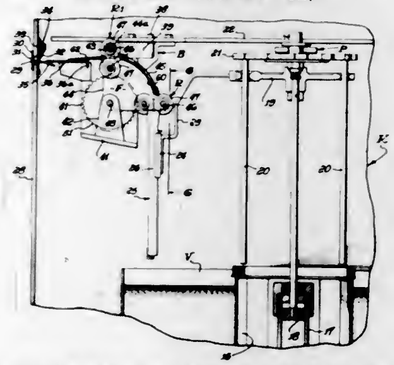
2,576,203
PIPE WRENCH WITH LINKED GRIPPING MEANS
Allen B. Wilson, Galena Park, Tex.
Application September 8, 1949, Serial No. 114,486
1 Claim. (Cl. 81—57)

A rotary wrench comprising a handle, a work encircling chain carried by said handle, said chain including a relatively long arcuate link pivotally secured to said handle and constituting one end of said chain, releasable latch means connecting the other end of said chain with said handle, friction rollers carried by said chain, a gear train connecting said rollers together, a pair of forwardly projecting arms carried by said handle, an arcuate link pivotally connected at one end thereof to each arm, a keeper pin carried by the opposite end of each link and engageable by said latch means, torsional pull of said rollers in one direction effecting rocking of said handle relative to said long link in a direction to effect contraction of said chain about the work, and adjustable



means limiting the rocking of said handle relative to said long link.

2,576,204
FILM TRANSPORTING MECHANISM FOR AUTOMATIC PHOTOGRAPHIC APPARATUS
Philip S. Allen, Long Beach, Calif.
Application December 1, 1947, Serial No. 789,100
14 Claims. (Cl. 271—81)



13. Mechanism for transporting a strip from one point to another, including: a frame; a pair of strip feeding rollers on the frame having compressible peripheries and the spacing of the roller axes causing the roller perpheries to be compressed at their points of contact with each other and to thereby set up frictional resistance to rotation thereof in opposite directions; means for mounting the frame for rotative movement about a fixed axis to occupy either of two positions; means for urging the frame to one position; pinions fixed to the axes of said rollers and meshing with each other; a driving gear mounted coaxially of the frame; and intermeshing pinions coaxial with and fixed to said rollers and one of which meshes with the driving gear so as to drive said rollers; the frictional resistance offered by the roller perpheries acting to initially resist rotation of the rollers by the driving gear to cause that pinion meshing with the driving gear to rotate on the latter thereby moving the frame from its urged position to the other position whereupon the driving gear operates to drive said pinions to rotate said rollers.

2,576,205
DENTURE CLEANSING COMPOSITION
Lester D. Apperson, Flushing, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application August 25, 1945, Serial No. 612,706
2 Claims. (Cl. 252—99)

1. A stable, dry composition which when added to water produces an efficient denture-cleansing agent comprising about 20% sodium carbonate peroxide, about 20% tetrasodium pyrophosphate, about 45% salt, about 10% sodium carbonate, about 4% sodium salt of oleyl tauride, and flavoring material.

2,576,206
METHOD OF MAKING PLASTIC BRIDGEWORK
Frank J. Barth, Jamaica, N. Y., assignor of one-half to Edward Fraundorfer, Rego Park, New York
Application August 22, 1949, Serial No. 111,615
1 Claim. (Cl. 18—55.1)



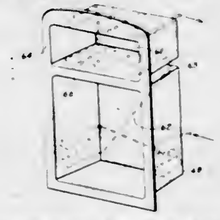
A method of constructing plastic bridgework through use of an investment tooth having a threaded post hole, whereby such method a completed bridge is formed including the metal frame and a plastic tooth molded onto such frame and bound thereon by a threaded anchor post, and such method comprising positioning in a vacant dental space of a plaster model an investment tooth that has a threaded ovoid post hole, taking an index of the occlusal surface and evident facing sides of such tooth in position, recessing the saddle, the back of such tooth to the gingival line, and the sides from the saddle to the biting edge, waxing in the post hole and the recessed portions including the saddle, casting a metal frame of such waxed in sections, duplicating the original investment tooth onto such metal frame in wax, reproducing such wax tooth in plastic onto the metal framework.

2,576,207
MATTRESS COVER
Edith M. Belden, Chicago, Ill.
Application March 21, 1947, Serial No. 736,347
6 Claims. (Cl. 5—354)



1. A cover for cushion members, such as mattresses and the like, and including a top panel having opposite pockets attached thereto to fit over the opposite longitudinal sides and the adjoining ends of a contained mattress with substantial portions underlying the bottom of said mattress, said cover including a central bottom opening extending in a sense lengthwise of the mattress and defined by oppositely spaced, longitudinal margins of the opposite pockets which are approximately parallel along the bottom and which are extended at their opposite longitudinal ends around the ends of the contained mattress and directed diagonally and convergently toward each other into said endwalls to intersect and overlap therein, said edges being secured together in the region of their respective intersections, and the diagonal parts of said edges having elastic members secured therealong and respectively acting to draw the pockets together upon the contained mattress.

2,576,208
REFRIGERATOR CABINET CONSTRUCTION HAVING HEAT EXCHANGE INNER WALLS
Ralph L. Benson, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application January 21, 1949, Serial No. 71,994
2 Claims. (Cl. 62—99)



1. In a refrigerator, an outer shell, an inwardly facing U-shaped channel on said outer shell at the front edge thereof and extending entirely around the same, a moulded plastic inner liner including walls forming a pair of compartments spaced from each other, a trim frame integral with said compartment at the front thereof, said trim frame including an outwardly projecting flange extending entirely around the front edge of both of said compartments, the outer portion of said flange extending into said U-shaped channel, said trim frame including a second portion extending between said compartments and the inner edges of said outwardly extending flange at the front of said inner liner, and refrigerant conducting tubing totally embedded within the walls of each of said compartments for cooling said compartments, respectively, said tubing being disposed closely adjacent the surfaces facing the interior of the compartments formed by the liner.

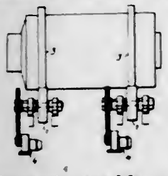
2,576,209
BIRD SCARING DEVICE
Hays L. Berger, Washington, D. C., assignor to Veleita M. Berger, Washington, D. C.
Application June 2, 1948, Serial No. 30,560
2 Claims. (Cl. 46—124)



1. A device for eliminating bird nuisance with a winged figure simulating the natural enemy of the bird, and simulating the natural movements of said enemy by flapping its wings and turning its head, comprising a housing concealed within the body of the figure, the head of the figure being rotatively supported on said housing and the wings being pivotally attached to said housing, a time controlled motor for operating said head and wings of said figure at optionally selected in-

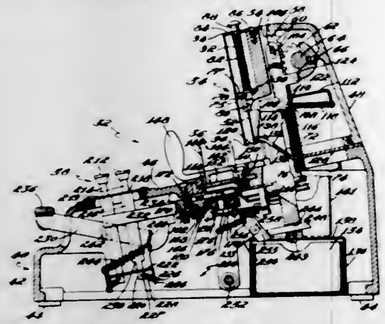
tervals, and actuating mechanism for operating said head and wings of the figure removably secured in said housing adjacent said motor, said mechanism including a pinion driven by said motor, said pinion engaging an idler gear of said mechanism and driving the same, a pair of wing actuating gears driven by said idler, each of said last mentioned gears having a lever pivoted thereto eccentric to its axis of rotation, each said lever projecting through said housing and pivotally engaging a respective wing; a shaft projecting through said housing and rotatably supporting said head, a reduced pinion on said idler, a driving gear for said head driven by said pinion, a pair of pivotally connected links connecting said shaft and driving gear to rotate the shaft, the link connected to the driving gear being pivoted thereto at a point eccentric to the gear axis, whereby the head is rotated substantially one quarter turn when the mechanism is actuated.

2,576,210
DEVICE FOR FRICTION DRIVEN DRUMS
Gustav Bojner, Stockholm, Sweden
Application April 17, 1946, Serial No. 662,798
In Sweden April 23, 1945
11 Claims. (Cl. 74—721)



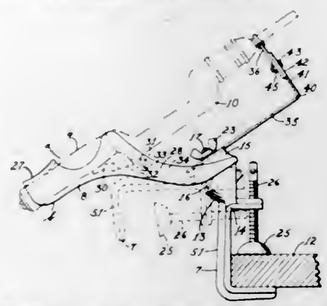
1. A driven element capable of having varying diameters at opposite ends either in manufacture or in operation, driving means for each end of said element for driving said element at a uniform angular velocity comprising motor driven means driving one end at one linear speed and motor driven means driving the opposite end at a different linear speed to thereby impart uniform angular velocity to the driven element.

2,576,211
TAG NOTCHING MACHINE
Arnold R. Bone, Needham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application October 22, 1948, Serial No. 55,975
7 Claims. (Cl. 164—112)



1. In a tag-notching machine a cutting station, a cutter situated at said station for movement into and out of cutting position, means for effecting cutting movement of the cutter, a tag carriage arranged to move transversely of said station to carry a tag placed thereon transversely of the cutter, a motor for moving the carriage in a given direction with respect to the station, stops arranged in increasing order of digit value in the direction of movement of the carriage and selectively positionable in an operative position, latch means associated with the carriage and engageable with said stops when in operative position one at a time to hold the carriage in a given position for cutting a notch in the tag corresponding to the digit value of that stop, and means operable by cutting movement of the cutter to disengage the latch means from the stop with which it is engaged at the time of cutting, whereupon said motor effects movement of the carriage in the direction of the increasing digit value and the latch means in the opposite direction until the latter is engaged by the next succeeding stop of lower digit value in operative position.

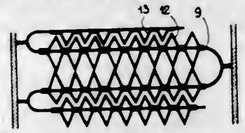
2,576,212
FISHING ROD HOLDER
Daniel B. Carter, Rockford, Ill.
Application June 16, 1947, Serial No. 754,839
9 Claims. (Cl. 248—42)



4. A fishing rod holder comprising a rod receiving and supporting element, and a C-clamp for clamping said holder to a support and including a C-shaped body having a clamping screw threaded in one transverse end portion of the C parallel to the longitudinal portion of the C, a hollow semi-spherical ball head rigid with and projecting outwardly from the junction of one end portion of the C and the longitudinal portion, said head having a concentric semi-spherical socket provided therein, said rod receiving and supporting element having a spheroidal-shaped socket provided therein wherein said ball head is universally slidably received, a spheroidal-shaped block having a universal sliding fit inside the ball head, and means extending radially from the block to connect it with the socket part, said ball head being truncated to define an enlarged circular opening in the wall of said head through which said connecting means extends and in which it has a wide range of universal angular movement.

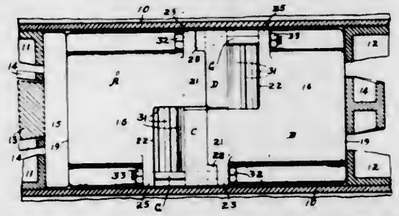
2,576,213
HEAT EXCHANGER
Gaston Chausson, Asnieres, France, assignor to Societe Anonyme des Usines Chausson, Asnieres, France, a company of France
Application December 1, 1945, Serial No. 632,259
In France July 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 29, 1963
1 Claim. (Cl. 257—245)

A heat exchanger comprising a casing of constant cross-sectional area, and a partition extending longitudinally of said casing and dividing the interior of said casing into two conduits each of constant cross-sectional area throughout the length of the casing, said partition being composed of a plurality of individual longitudinal sections wave-shaped in cross-section, positioned side by side and secured together at their extremities, whereby a partition, undulated in



cross-section is formed, the height of said sections being greatest at the center of the casing and diminishing towards the ends thereof, at least some of said sections being provided with straight corrugations extending longitudinally of said casing, said corrugations being further defined as comprising zig-zag shaped members secured to both sides of the central portion of the respective section.

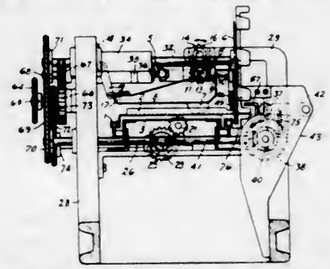
2,576,214
SHOCK ABSORBING MECHANISM FOR RAILWAY DRAFT RIGGINGS
Vernon S. Danielson, Dolton, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application August 20, 1948, Serial No. 45,332
5 Claims. (Cl. 213—48)



1. In a shock absorbing mechanism, the combination with front and rear casings relatively movable toward each other; of front and rear intermediate follower members between said casings, each of said members having guide openings therethrough, said front intermediate follower member being movable in unison with said rear casing and said rear intermediate follower member being movable with said front casing; a cushioning element in each casing engaged by the corresponding intermediate follower; and securing elements connected to said casings respectively and extending through said guide openings of said intermediate followers.

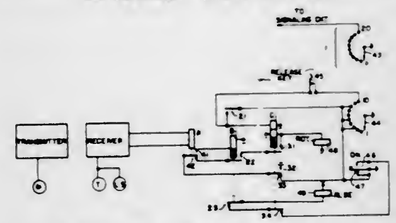
2,576,215
FISH POSITIONING MACHINE
Paul Danielsson, Stora Essingen, Sweden, assignor to Arenco Aktiebolag, Stockholm, Sweden, a Swedish joint-stock company
Application July 3, 1947, Serial No. 758,953
In Sweden July 5, 1946
3 Claims. (Cl. 17—2)

1. In a fish treating machine, a conveyor for feeding the fish laterally, a press head disposed above said conveyor, driving means for moving said press head in an endless path extending transversely of the fish feeding direction, and a looped spring interconnecting said driving means and said press head and having two ends adapted to normally engage each other and to yield apart to cause said press head to yieldingly engage the fish when moving through the lower portion of



its endless path to displace the fish longitudinally by friction and by pushing and by jamming over a tapered portion of the body of the fish.

2,576,216
SELECTIVE CALL[illegible] STEM
Clarence J. Dorr, Tuckahoe[illegible], assignor to Automatic Electric Labora[illegible] Inc., Chicago, Ill., a corporation of Delaware
Application February 5, 1947, Serial No. 726,585
13 Claims. (Cl. 177—353)



1. In a selective switch having a bank of contacts, a wiper having a normal position and operable step by step over said contacts, off-normal springs having a normal position and operable to an off-normal position in response to the movement of said wiper from its normal position, a line relay energized in response to the seizure of said switch, a release relay, an initial energizing circuit including said off-normal springs in normal position for energizing said release relay completed in response to the energization of said line relay, a holding relay, an initial energizing circuit including said off-normal springs in normal position for energizing said holding relay completed in response to the energization of said release relay, a new circuit independent of said off-normal springs for maintaining said release relay in energized position completed in response to the energization of said holding relay, means responsive to a series of impulses transmitted to said switch for de-energizing and re-energizing said line relay a number of times corresponding to the number of impulses in said series, means responsive to the de-energizations of said line relay for operating said wiper from its normal position step by step and for stopping said wiper in engagement with one of said bank contacts, an impulsing circuit independent of said off-normal springs for maintaining said holding relay in operated position during the impulsing period, a multiple circuit multipled to certain ones of said bank contacts, a holding circuit including said multiple circuit and said wiper completed after said stepping operation for maintaining said holding relay in energized

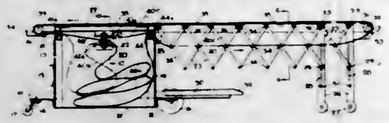
position in case said wiper stops in engagement with a bank contact multipled to said multiple circuit, said holding relay restoring in case said wiper fails to stop in engagement with a bank contact multipled to said multiple circuit for opening said new circuit to restore said release relay, and a release circuit including said off-normal springs in off-normal position completed in response to the restoration of said holding and release relays for restoring said wiper to its normal position.

2,576,217

EXTENSIBLE BELT CONVEYER

Ira Smith Eggleston, St. Paul, Minn., assignor to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota

Application February 23, 1950, Serial No. 145,755
10 Claims. (Cl. 198—139)



1. A conveyor comprising, a normally stationary main frame, a relatively long, extensible and retractile auxiliary frame connected at its inner end to said main frame, means for supporting the outer end of said auxiliary frame in variously extended and retracted positions relative to the main frame, an endless conveyor belt, means supporting the upper reach of said belt for operation along the top of said main and auxiliary frames, means carried by said auxiliary frame for supporting the lower reach of said belt, a pair of belt driving rollers carried by said main frame and arranged to engage opposite surfaces of the lower reach of the belt and a receptacle extending at a lower elevation than said belt driving rollers and having wall members disposed to guide and confine slack folds of said belt in sliding contact one with another when the auxiliary frame is in retracted and partially extended positions.

2,576,218

SHEET MATERIAL CONVEYING AND SUPPORTING MEANS

Vernie A. Fox, Detroit, Mich., assignor, by mesne assignments, to Young Brothers Company, Detroit, Mich., a corporation of Michigan

Original application February 20, 1942, Serial No. 432,541. Divided and this application February 26, 1945, Serial No. 579,756
7 Claims. (Cl. 198—102)



4. A conveyor apparatus comprising a longitudinally-movable conveying device, a plurality of sheet carrier frames secured at spaced intervals along said conveying device, said carrier frames having gaps in their bottom portions, an auxiliary conveyor disposed beneath said frames adjacent the discharge end of said conveying device and engageable with the edges of said sheets in said gaps for engaging and advancing the bottom edges of said sheets more rapidly than the upper edges thereof, whereby to move said bottom edges from the front of one carrier frame toward the back of the preceding carrier frame, and a withdrawal conveyor positioned adjacent said auxiliary conveyor for carrying away the sheets deposited thereon by said conveying device.

2,576,219

METHODS AND MATERIALS FOR EMBALMING JAUNDICED BODIES

Frank X. Grossi, St. Louis, Mo., assignor to Royal Bond, Inc., St. Louis, Mo., a corporation of Missouri

No Drawing. Application August 20, 1947, Serial No. 769,763
6 Claims. (Cl. 27—22)

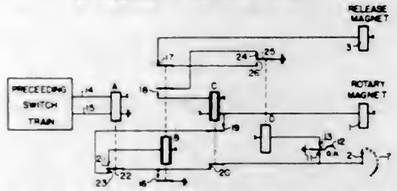
1. The method of embalming jaundiced bodies which comprises initially injecting into the body a diazotized chemical compound which combines with bile pigments to produce a water soluble reaction product, thereupon draining the body fluid from the corpse, and finally injecting into the body a preservative agent.

2,576,220

AUTOMATIC SWITCH CONTROL CIRCUIT

Morris E. Griffins, Riverside, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application June 3, 1949, Serial No. 96,997
6 Claims. (Cl. 175—320)



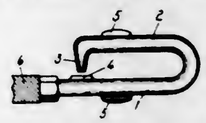
3. In a signaling system including a selector switch having a normal position and provided with a stepping magnet for operating said selector switch away from its normal position and a release magnet for returning said selector switch to its normal position and an off-normal device operated when said selector switch occupies other than its normal position; the combination comprising a line relay operated in response to the seizure of said selector switch and restored in response to the release of said selector switch, said line relay also being intermittently restored and reoperated in response to signal impulses, a release relay of the slow-to-release type, an operating circuit for said release relay including a front contact of said line relay and a back contact of said off-normal device, a holding circuit for said release relay including a front contact of said line relay and a front contact of said release relay, a hold relay of the slow-to-release type, an off-normal relay, an operating circuit for said hold relay including a front contact of said release relay and a back contact of said off-normal relay, a holding circuit for said hold relay including a back contact of said line relay and a front contact of said release relay and a front contact of said hold relay, an operating circuit for said stepping magnet including a back contact of said line relay and a front contact of said release relay and a front contact of said hold relay, an operating circuit for said off-normal relay including a front contact of said off-normal device, a signal circuit to said selector switch including a front contact of said release relay and a back contact of said hold relay, and an operating circuit for said release magnet including a back contact of said release relay and a front contact of said off-normal relay.

2,576,221

PNEUMATIC GAUGE FOR MEASURING DIMENSIONS OR FORCES

Carl Gustaf Hård af Segerstad, Sandviken, Sweden, assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden

Application December 29, 1949, Serial No. 135,594
In Sweden December 30, 1948
2 Claims. (Cl. 73—141)



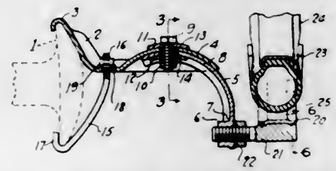
1. A pneumatic gauge comprising a U-shaped yoke, made of a resilient tube, one branch of which is provided with a jet whose outlet opening is controlled by a surface on the other branch of the yoke, said other branch being connected to a constant pressure medium source through a restricted passage and additionally to a pressure sensitive device, the first-mentioned branch being provided with notches in which forces to be measured are to be applied, said notches being arranged for various measure ranges.

2,576,222

BICYCLE CARRIER

James H. Hill, Dearborn, Mich.

Application September 22, 1948, Serial No. 50,473
5 Claims. (Cl. 224—42.03)



1. A bicycle carrier for supporting a bicycle on an automobile, comprising two clamps which can be independently and separately clamped to the bumper at spaced points to support the separated wheels of the bicycle, each of said clamps comprising an outer and inner elbow, the inner elbow having one end that can be hooked over the top of the bumper and a hook-like clamping member for clamping under the bottom of the bumper, the outer elbow having a stirrup to receive the tire with means for securing the tire in the stirrup, the said elbows overlapping and bolted together for angular adjustment in a horizontal plane and longitudinal adjustment to bring the stirrups into the correct plane to receive the tires of the bicycle notwithstanding the angle or curvation of the bumper around the back of the car.

2,576,223

METHOD OF PRODUCING WEAR RESISTANT STEEL RAILS

Fritz Hofmann, Linz, Austria

No Drawing. Application February 17, 1948, Serial No. 9,003
2 Claims. (Cl. 148—12.4)

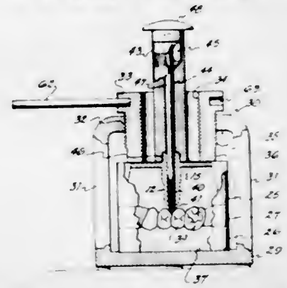
1. A method for producing a wear resistant steel rail comprising the steps of rolling the rail from a steel having 0.35 to 1.0 per cent carbon, 1.3 to 2 per cent manganese and 0.5 to 1.5 per cent silicon, rest iron at a temperature of about 1050 to 1180° C., cooling the rail as it comes from the rolling mill directly and rapidly until the rail reaches a temperature of between 660 to 620° C. and hereafter cooling the rail at a slower rate than before until it reaches atmospheric temperature.

2,576,224

APPARATUS FOR CASTING DENTAL RESTORATIONS

Irving Hordes, Yonkers, N. Y.

Application December 8, 1948, Serial No. 64,117
3 Claims. (Cl. 18—5.7)



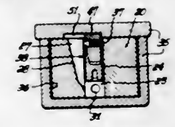
1. In apparatus of the kind described, a flask comprising two end ring sections and an intermediate ring section for receiving investment material, an outer sprue hollow member sealing one end of one of the end ring sections and extending inwardly into the intermediate ring section, an inner sprue member extending through said outer sprue member and into said intermediate ring section, said inner sprue member having a central opening therethrough, a pin in said central opening and projecting outwardly thereof into said intermediate ring section and a dental bridge mold on the projecting portion of said pin disposed in said intermediate ring section.

2,576,225

DETACHABLE LOCKING MEANS FOR AN EXCAVATING BUCKET TOOTH

Morgan D. Hostetter, El Monte, Calif.

Application April 2, 1946, Serial No. 659,047
5 Claims. (Cl. 37—142)



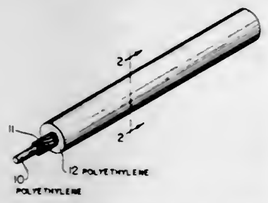
1. A digger tooth construction, including: a supporting body having a forwardly extending tang provided with a tapered opening extending downwardly therethrough, a tapered pocket laterally of and communicating with said opening, and a recess rearwardly of and alined with said opening; a point having a rearwardly opening socket receiving said tang; a lug fixed to said point within said socket; and a wedge key normally in said pocket to allow application of said point to said tang, but after application shiftable from said pocket into said opening by extending a tool upwardly through the bottom of said opening, so as to be interposed between said lug and the forward tapered wall of said opening to coact therewith in locking said point on said tang, and whereby as said lug moves rearwardly under rearward movement of said point, said key will gravitate downwardly in said opening to take up play between the key and the lug.

2,576,226
HAIR DRIER
William R. Huber and Alfred L. Jones, Fresno, Calif.
Application June 23, 1948, Serial No. 34,744
1 Claim. (Cl. 34—99)



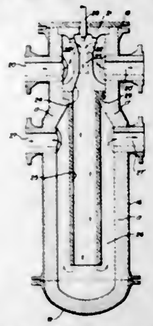
The combination with a motor driven vacuum cleaner and a helmet for forming a hair drying chamber about the head of the wearer, of a conduit for delivering air under pressure from said vacuum cleaner to said helmet, and means for restricting the intaking of air into said vacuum cleaner to such extent that the motor of the cleaner will become heated and heat the air discharged therefrom into said conduit.

2,576,227
NONMETALLIC ARMORED ELECTRICAL SUBMARINE CABLE
Loren H. Hutchins, Jr., Wakefield, Mass., assignor to Simplex Wire & Cable Co., Cambridge, Mass., a corporation of Massachusetts
Application December 10, 1949, Serial No. 132,268
4 Claims. (Cl. 174—107)



1. A submarine cable having a cable modulus of not less than 4.5 consisting of a core of polyethylene insulation having a specific gravity of less than 1.025 based on pure water, an annulus of conducting strands for which the product of tensile strength in pounds per square inch and conductivity as the ratio to copper is not less than 70,000, said strands being at least seven in number and of uniform cross-section in a single layer with an angular lay with respect to the axis of the cable on the core, and a jacket of polyethylene insulation having a specific gravity of less than 1.025 based on pure water and a dielectric constant of not more than 3 and having a wall thickness not less than 0.075" and circular in cross-section, and having an area in section such that the composite cable has a specific gravity of not less than 1.4 based on sea water and an outside diameter not less than 1¼ times that of the annulus of conducting strands.

2,576,228
AUTOTHERMIC CRACKING REACTOR
William R. Kinnaird, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 30, 1949, Serial No. 107,702
7 Claims. (Cl. 23—277)



1. A reactor for effecting the high temperature conversion of reactant streams, which comprises in combination, an elongated pressure tight chamber having an internal temperature resistant refractory lining, a pair of oppositely directed reactant stream inlets connected in alignment to one end of said chamber, a reactant stream mixing member positioned within said end of the chamber and having a wall portion between said oppositely directed inlets, said member having an inlet thereto and a restricted throat which is transverse to said reactant inlets with a flared outlet section discharging axially into the interior of said elongated chamber, ignition means extending into the interior of said chamber at the inlet end thereof, and product outlet means from said chamber.

2,576,229
STEEL FOR TOOLS OPERATING AT ELEVATED TEMPERATURES
Helmut Krainer, Kapfenberg, Austria, assignor to Gebr. Böhler & Co. Aktiengesellschaft, Vienna, Austria
No Drawing. Application February 27, 1948, Serial No. 11,873. In Germany March 12, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 12, 1961
5 Claims. (Cl. 75—126)

1. A steel alloy for making hot-working tools, especially hot-working pressing dies, consisting essentially of 0.1% to 0.5% carbon; 0.5% to 2% chromium; 0.5% to 2% vanadium; 0.3% to 1.8% tungsten; 0.2% to 1.7% molybdenum; the total percentage of the tungsten and molybdenum contents not exceeding 2%; the remainder iron and incidental impurities.

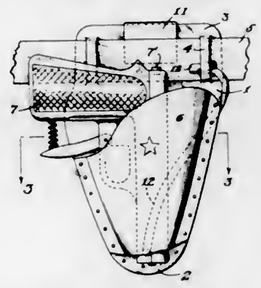
2,576,230
AMINOALKYL ESTERS OF α,β,β-TRIARYL-PROPIONIC ACIDS
Carl Peter Krimmel, Evanston, Ill., assignor to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application February 20, 1948, Serial No. 9,963
9 Claims. (Cl. 260—472)

1. A member of the group consisting of basic esters of the formula

$$\mathrm{Ar{-}CH(Ar){-}CH(Ar){-}COO{-}Alk{-}NRR'}$$

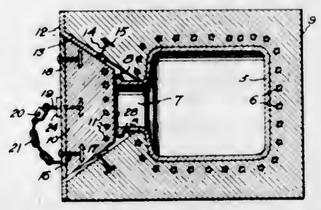
wherein Ar is a monocyclic aromatic hydrocarbon radical, Alk is an alkylene radical containing two to five carbon atoms and NRR' is an amino radical selected from the group consisting of di(lower alkyl) amino radicals and radicals wherein R and R' are joined to form a monocyclic saturated heterocyclic amino radicals, and salts thereof.

2,576,231
WATER PISTOL HOLSTER
William E. Lawson, Jr., and William E. Lawson, Sr., Rahway, N. J.
Application February 7, 1950, Serial No. 142,802
7 Claims. (Cl. 224—2)



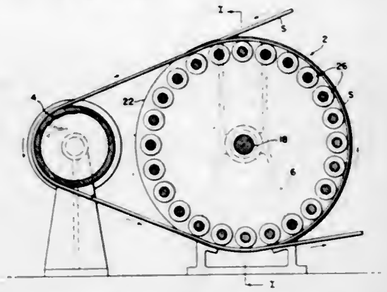
1. In a holster for water pistols, the combination of a pocket for carrying a water pistol, and a water compartment for loading a water pistol.

2,576,232
SAFE CONSTRUCTION
Ralph W. Ledbetter, Anniston, Ala.
Application May 14, 1948, Serial No. 27,135
1 Claim. (Cl. 109—24)



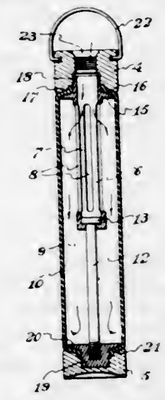
A safe comprising a receptacle having a reduced neck, said neck defining an entrance to said receptacle, a block of protective material surrounding the receptacle and having an entrance opening in the forward wall encompassing said neck and into which the neck protrudes for a relatively short distance, said opening having flat inwardly converging walls, a cover plate for said forward wall, surface plates extending inwardly from the inner edges of said cover plate and closely overlying the walls of said opening, a closure for said opening, said closure having an inner face for snug disposition against the free end of the neck when the closure is in closed position and having side faces for like snug disposition against said surface plates when the closure is in closed position within said opening, and a surface plate on the outer side of said closure, said last-mentioned surface plate being in close registry with the inner edges of the cover plate when the closure is in closed position.

2,576,233
CONTINUOUS STRAND HELICAL CONVEYING APPARATUS
Edwin T. Lorig, Ross Township, Allegheny County, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application April 8, 1949, Serial No. 86,375
9 Claims. (Cl. 28—71.5)



9. Continuous strand helical conveying apparatus comprising a rotatable reel and a rotatable roll spaced therefrom with its axis substantially parallel to the axis of the reel, said rotatable reel having a housing at each end thereof, a reel body rotatably mounted in said housings, a plurality of rotatable rollers mounted on said reel body around the periphery thereof with their axes parallel to the axis of said reel body, means for moving the rollers axially in one direction during the time they are adjacent the roll, means for moving the rollers axially an equal amount per degree of reel revolution in the opposite direction during the rest of their travel, means for rotating said reel body, and means for rotating said rotatable rollers at a speed proportional to the speed of said reel body.

2,576,234
BOTTOM HOLE PLUG FOR WELLS
Norman C. McIntyre, Tulsa, Okla.
Application June 18, 1948, Serial No. 33,695
5 Claims. (Cl. 166—13)



1 A bottom hole plug comprising upper and lower members, an expansible sleeve connecting said members and adapted to receive therein a plastic material for expanding the sleeve, said lower member forming a closure for the lower end of the expansible sleeve, said upper and lower members being connected together on their axis

by a telescopic connection, said connection limiting the downward movement of the lower member in relation to the upper member, the upper member having a filling opening, the upper member of the telescopic connection having a passage therethrough in communication with the filling opening of the upper member and the chamber of the sleeve.

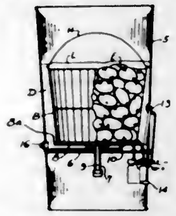
2,576,235
LIFTER FOR HANDLING OBJECTS
Rupert Nelson, San Francisco, Calif., assignor of one-half to William W. Ickes, San Francisco, Calif.
Application May 20, 1947, Serial No. 749,260
2 Claims. (Cl. 294—33)



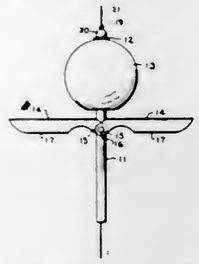
1. In a lifter of the character described; a pair of interconnected resilient arms having their lower ends yieldingly urged apart; the arms having jaws at their lower ends arranged to grip an object when the arms are pressed toward one another upon an interposed object; a slide encircling the arms and being moveable downwardly toward the jaws for maintaining the latter in gripping relation with the gripped object; the slide being substantially rectangular in outline; the slide having a finger projecting between the arms from one side of the rectangle toward the opposite side thereof, but spaced from the latter side; the finger and opposite ends of the rectangle defining compartments dimensioned to receive the arms; the arms being moveable from one compartment to the other through the space defined between the end of the finger and the side of the rectangle toward which the finger projects.

2,576,236
METHOD FOR CLEANSING EGGS IN BULK
Charles G. Paden, Millerstown, Pa., assignor to Whirlaway Egg Washer Company, Harrisburg, Pa., a partnership
Original application October 3, 1949, Serial No. 119,334. Divided and this application August 21, 1950, Serial No. 180,524
22 Claims. (Cl. 99—113)

1. A method of cleaning eggs, comprising a series of steps including gathering a plurality of newly laid eggs into an original cluster in shell to shell engagement, disposing them in cluster condition for movement about a vertical axis, maintaining a bath of liquid detergent about the cluster, revolving the cluster of eggs and detergent about a vertical axis and spraying the revolving cluster with a portion of the said detergent at an angle to the vertical axis of the cluster.



2,576,237
FISHING FLOAT
Robert D. Parry, Cincinnati, Ohio
Application July 23, 1948, Serial No. 40,229
2 Claims. (Cl. 43—44.91)



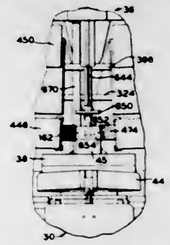
1. A fishing float comprising a stem, a floatable member slidable on said stem and provided with a recess in the surface thereof surrounding said stem, a pair of wings, and a pivot on the stem for pivotally supporting the wings below the floating member in one position of the stem relative to the floating member to provide delayed resistance to said float, and said pivot for the wings being located within the recess when the wings are in collapsed condition and partially located within the recess.

2,576,238
FASTENING PEG
Clarence William Rayburn, West Palm Beach, Fla.
Application October 10, 1949, Serial No. 120,452
1 Claim. (Cl. 24—1)



As an article of manufacture for use in fastening a lineman's protective rubber blanket when folded over a power line, the blanket having spaced eyes along the edge portion of at least one side thereof adapted to be brought into mutual registration when the blanket is folded, a rigid pin member of electrically insulating material having an intermediate annular groove the width of which is substantially equal to twice the blanket thickness, said groove being adapted to form a seat for the marginal portions of a pair of the co-registering blanket eyes, a gradually decreasing and elongated tapered portion extending forwardly of said groove, the diameter of said pin at the rearward end of said tapered portion being greater than the diameter of said blanket eyes and the diameter of said pin at the forward end of said tapered portion being less than that of said blanket eyes by an amount sufficient to allow the forward pin end to be thrust through and extend substantially beyond a pair of the co-registering blanket eyes before the periphery of the pin engages the marginal portions of the blanket eyes, and an elongated knobbed handle portion extending rearwardly of said groove of substantially the same length as said forwardly extending tapered portion, the diameter of said handle portion at the forward end thereof adjacent said groove being greater than the diameter of the blanket eyes.

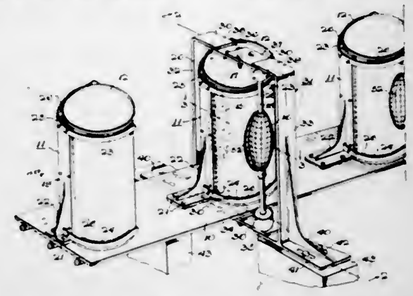
2,576,239
TUBE THREAD GRINDING MACHINE
Charles A. Reimschissel and George E. Hieber, Waynesboro, Pa., assignors to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application May 29, 1947, Serial No. 751,402
23 Claims. (Cl. 51—3)



1. In a grinding machine, means for holding a work piece; a first grinding wheel and means for moving said wheel into engagement with a portion of the work piece; a second grinding wheel and means for moving said second wheel into engagement with the same portion of the work piece, whereby a plurality of grinding operations may be performed upon the same portion of the work piece; limit means controlling the movement of said wheels towards the work piece in accordance with the intended finished dimension of the work piece; means for dressing one of said grinding wheels, said last mentioned means controlling said limit means to compensate for the change in diameter of said one grinding wheel from a dressing operation.

2,576,240
APPARATUS FOR FORMING DEPRESSIONS IN CYLINDRICAL CANS
Walter F. Rothe, Washington, D. C.
Application June 25, 1948, Serial No. 35,086
2 Claims. (Cl. 153—77)

2. Means for reshaping filled cans, comprising a conveyor belt, combined can holding and pusher members mounted on said belt, a frame spanning said belt, said frame being divided into two adjustably connected parts so that the opposite sides can be adjusted with respect to each other transversely of the belt, a pair of corrugated rollers, each being formed with a hollow bore having a longitudinal groove in the surface of each bore, a pair of elongated spindles respectively rotatably mounted in the two adjustable parts of the frame and standing substantially



perpendicular to the belt, said spindles each having a similar longitudinal groove to each roller groove for mounting each of said rollers in the frame, a key fitting into the registering grooves of an adjacent spindle and roller bore, and locking means for retaining said rollers in adjusted position on their respective mounting spindles, each end of each spindle being rotatable in bearings supported in the respective frame parts.

2,576,241
DYE FIXING PRODUCT AND PROCESS AND TREATING OF TEXTILES THEREWITH
Myrtle Joanne Spangler, Danville, Va., assignor to Dan River Mills, Incorporated, a corporation of Virginia
No Drawing. Application April 3, 1950, Serial No. 153,759
12 Claims. (Cl. 8—74)

1. A process of producing a condensation product suitable for fixing substantive dyes on textiles, comprising reacting dicyandiamide with a copper salt selected from the group consisting of copper chloride and copper nitrate, to effect hydrolysis of said dicyandiamide and the combining thereof with the copper to produce a copper complex, and then reacting the copper complex with formaldehyde in solution of an acid selected from the group consisting of hydrochloric acid and nitric acid to produce a condensation product of idcyandiamide, copper complex and formaldehyde.

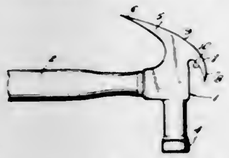
2,576,242
CLOTHES LIFTER
Susie W. Stageberg, Red Wing, Minn.
Application May 15, 1946, Serial No. 669,984
1 Claim. (Cl. 294—23.5)

A clothes lifter comprising a body constructed of sheet metal and formed in two sections arranged in facing relation, said sections having four pairs of complemental facing grooves therein, one pair extending in one direction and the other three pairs of grooves arranged with an intermediate pair and two outermost pairs extending in diverging relation with respect to one another and in angular relation with respect to said first pair of grooves, a handle disposed in the first named pair of grooves and issuing outwardly from said body and extending in one direction, three fingers disposed in the other three pairs of grooves and extending in the opposite direction,

said handle and fingers at their inner ends approaching the center of the body, certain of the edges of said sections following along a plane containing the axes of the outermost fingers and continuing along the handle and being spaced from one another and a fastener extending through the center portions of both of the body sections and simultaneously clamping all of the fingers and the handle.



2,576,243
HAMMER
Couvaris J. Stevens, Bayside, N. Y.
Application December 7, 1949, Serial No. 131,523
1 Claim. (Cl. 254—26)



A hammer comprising a head and a handle, said head comprising a center portion having an eye extending therethrough, said eye receiving one end of said handle, a poll extending from one side of said center portion, an integral first and second claw both connected to the other side of said center portion opposite said poll, said claws being disposed in opposite direction to each other and said first claw being disposed in the rearward direction from said center portion and said second claw being disposed in the direction of said poll and terminating substantially at the longitudinal axis of said hammer and the distance from the inner surface of said second claw to the center portion of the head increasing towards the end of said second claw.

2,576,244
AUTOMATIC ELECTRIC TRANSFER FANCY LOOM
Joseph Stuer, Lawrence, Mass.
Application February 4, 1949, Serial No. 74,638
10 Claims. (Cl. 139—232)

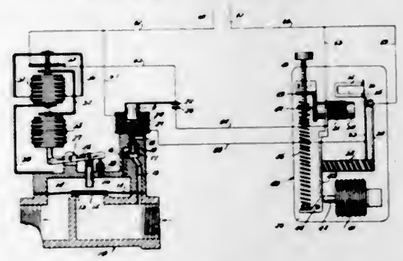


3. In a loom of the character described including a transfer hammer with a spring pressed dog pivoted thereto and locking means for the dog; a feeler circuit including a multiple pole selective transfer circuit switch and a feeler solenoid; a shaft turnable by the feeler solenoid and movable axially with a color indication shaft to move a slide and cause a cradle to receive a bobbin and to set a pole of the multiple pole selective transfer circuit switch for that slide; a transfer circuit including the multiple pole transfer circuit switch, a transfer solenoid and a timing switch to open and close the transfer circuit at a predetermined time in a period of two picks through one of the poles of the multiple pole transfer circuit switch; the transfer solenoid to release the spring pressed dog of the transfer hammer; and means between the dog and the color indication shaft to turn that shaft to move a slide and cause a cradle to release a bobbin.

2,576,245
INTERPOLYMERS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 18, 1949, Serial No. 82,300
16 Claims. (Cl. 260—23)

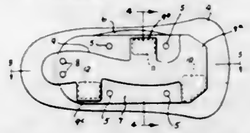
1. A method which comprises heating a mixture of a (A) mono-2-propenyl compound of the formula $R'CH{=}C(R){-}CH_2X$ wherein R and R' are radicals selected from the group consisting of hydrogen, chlorine, methyl, chloromethyl and ethyl, at least one of R and R' being hydrogen, and X is a radical selected from the group consisting of chlorine, hydroxyl, alkoxy, aryloxy, aralkoxy and acyloxy, with (B) an ester of castor-oil and an unsaturated dibasic organic acid selected from the group consisting of maleic acid and its homologues and (C) another copolymerizable monoolefinic compound, at a temperature sufficient to effect copolymerization of the said ingredients, in the presence of a polymerization catalyst in amount effective to cause copolymerization of said ingredients, whereby a fusible, convertible interpolymer of the said ingredients is formed.

2,576,246
MODULATING VALVE
Samuel K. Taylor, Cleveland Heights, Ohio
Application November 15, 1947, Serial No. 786,267
9 Claims. (Cl. 236—80)



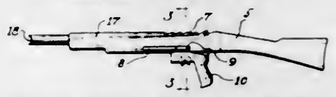
1. In combination, a fluid valve comprising a valve seat and a valve piece adapted to assume closed position and a series of different open positions providing modulated fluid flow, a room thermostat, means responsive thereto for causing said valve piece to move toward or away from said seat, a movable stop in the path of movement of said valve piece, and means responsive to said room thermostat for moving said stop progressively toward said seat in proportion to the rise in room temperature.

2,576,247
REMEDIAL FOOT SUPPORT
Albert Woodthorpe, Toronto, Ontario, Canada
Application February 1, 1951, Serial No. 208,861
5 Claims. (Cl. 36—71)



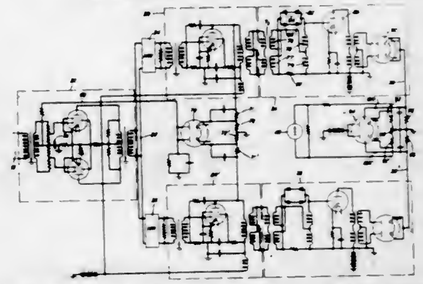
1. In a remedial foot support, a mainplate, a resilient tongue of less width than the mainplate, secured at one end to the heel end of the mainplate, and extending longitudinally below the mainplate and normally closely approximating the adjacent surface of the mainplate throughout its length to clamp a resilient pad or pads against the mainplate, but adapted to be pulled away from the mainplate for the insertion of such pad or pads, and a transverse bar extending from the said tongue.

2,576,248
REPEATING RUBBER BAND TOY GUN
Louis D. Wright and Thomas C. Swope, Beaumont, Tex.
Application April 7, 1947, Serial No. 739,890
1 Claim. (Cl. 124—19)



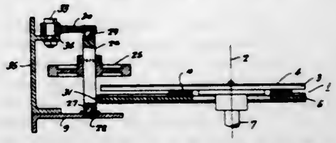
In a toy gun assemblage, wherein the missiles are of rubber band type with a plurality of these mounted for individual discharge, an assemblage of such type including a gun stock having its rear end formed for shoulder engagement by a band and its forward end formed for receiving the front zones of the stock of bands in superposed contacting relation, said gun stock having an intermediate zone provided with a vertically disposed slot the side walls of which have their upper marginal zones formed with a succession of laterally alined shoulders progressively arranged from the front of the zones rearwardly for the lodgment of the bands individually and with the shoulders extending in a common plane, the rear of the several bands overlying the slot, said slotted zone of the stock also having an elongated transverse slot located below the shoulder zone and elongated parallel to such plane with the forward end of the slot in advance of the shoulder zone and its rear end approximately mid-way of the length of the shouldered zone, and a trigger element having an upper zone adapted to lie within the vertically disposed slot and a lower zone exposed below the stock, said element having its upper zone provided with a formation operative within the elongated slot to provide a pivot for the element movable longitudinally of its slot, the upper zone of the element also having an upwardly extending rear zone the upper portion of which is of step form, said formation being located below and forwardly of the step location to thereby cause the step to swing arcuately upward and forward when rocking the element to release a positioned band, the exposed portion of the element having opposite ledges adapted to contact the lower face of the stock, each ledge presenting a pair of zonal faces inclined to each other to thereby permit free swinging movement of the element for limited distances during discharge of a band missile and free advance of the element in succession to such discharge.

2,576,249
LEVEL RATIO MEASURING SYSTEM
Harold L. Barney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1947, Serial No. 770,980
4 Claims. (Cl. 175—183)



1. Electric wave measuring apparatus comprising a pair of input circuits, a pair of amplitude sensitive electric networks, each of said networks comprising a Wheatstone bridge circuit including in one branch a resistive element equally responsive to alternating signals of unequal amplitudes, and in its conjugate branch an amplitude sensitive resistive element unequally responsive to alternating signals of unequal amplitudes, each of said input circuits being effectively connected across one diagonal of an individual one of said bridges, an output circuit individual to each bridge circuit and effectively coupled across the opposite conjugate diagonal of said respective bridges, each of said output circuits including a unidirectional conducting device for converting alternating voltages received from said respective bridge circuit to linearly related direct electromotive forces, differential connecting means between said unidirectional conducting devices for opposing the outputs thereof, and indicating means associated with said differential connecting means.

2,576,250
SOUND RECORDER
George P. Brubaker, Los Angeles, Calif., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application August 26, 1944, Serial No. 551,304
2 Claims. (Cl. 274—9)

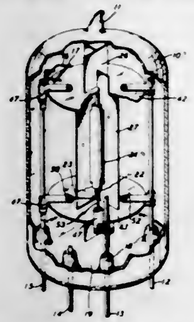


1. In combination, a turntable, and a stabilizer wheel structure driven by the edge of the turntable, comprising a shaft, a wheel carried by the shaft, a ball upon which the shaft rests, a second ball at the other end of the shaft, a movable arm for supporting said second ball, and means urging said arm in a direction to cause the structure to be urged into driving relation with the turntable.

2,576,251
ELECTRODE SPACER STRUCTURE FOR ELECTRON DISCHARGE DEVICES

Luther E. Cline, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 29, 1950, Serial No. 171,111
16 Claims. (Cl. 313—268)

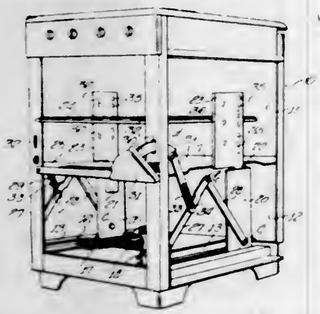


1. An electrode assembly for an electron discharge device comprising a pair of crossed insulator members positioned at right angles to each other, each of said members having an aperture therein along the line of intersection of said members, a plurality of electrodes positioned in said insulator members in said apertures, said electrodes bearing against portions of said apertures and being positioned thereby, and means locking said crossed insulator members.

2,576,252
OVEN

Leon Conner, Dallas, Tex.

Application June 4, 1947, Serial No. 752,324
3 Claims. (Cl. 126—340)

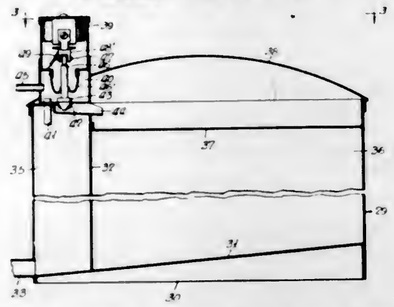


1. In a cooking oven, a horizontal floor separating said oven into an upper baking and a lower broiling compartment, said floor having a slot in each side edge thereof, a carriage in said lower compartment mounted for horizontal fore and aft movement, an upright on said carriage adjacent each side wall of said lower compartment, a standard carried by each upright and extending through one of said slots in said floor, a rack detachably supported by said standards on a horizontal plane, a door for said oven, a pair of relatively pivoted links, the first of said links being pivoted to said upright, the second of said links being pivoted to a stationary portion of said oven, a curved arm affixed at one end to said oven door and extending through a slot in the wall of said oven, and a slotted arm slidably connected through its slot to the midsection of said second link and to the end of said curved arm whereby movement of said door will actuate said links to effect fore and aft movement of said carriage and said rack.

2,576,253
CONCENTRATION CONTROL SYSTEM

James K. Farrell and Paul A. Keene, Syracuse, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York

Application March 11, 1946, Serial No. 653,475
5 Claims. (Cl. 137—78)



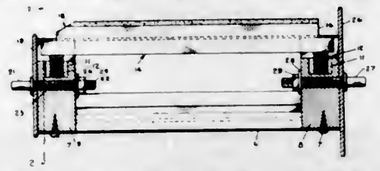
1. In a washer, receiving means for a body of detergent solution, a dispenser for supplying detergent solution to said receiving means to maintain the concentration of the body of detergent solution therein within narrow limits, said dispenser comprising in combination, a container for solid detergent, a passageway communicating with said receiving means, a sidewall of said container having a portion thereof provided with a screen to place said container in communication with said passageway, a water reservoir having an overflow pipe leading into said passageway and a valve controlled outlet in communication with said container, a water pipe having its discharge outlet disposed to supply water to said water reservoir, means for operating said valve to cause water supplied to said reservoir to flow therefrom through said container in contact with the solid detergent, the resultant solution flowing through said screen into said passageway and thence into said receiving means, means for closing said valve so that the water flows from said reservoir through said overflow pipe directly to said passageway and flows therethrough into said receiving means, and a controller responsive to changes in the concentration of said body of solution to effect the operation of said valve to cause the water to flow in contact with said solid detergent and the resultant solution to flow into said receiving means when the concentration of said body of solution falls below a predetermined value, and to cause said water to flow through said overflow pipe, into and through said passageway, and thence into said receiving means when the concentration of said body of solution is restored to said predetermined value.

2,576,254
YARN PACKAGE SUPPORT

Walter Fletcher, Rome, Ga., assignor to Celanese Corporation of America, a corporation of Delaware

Application May 28, 1947, Serial No. 751,088
2 Claims. (Cl. 242—130)

1. An arbor for supporting a yarn package, comprising a tubular body having circumferentially spaced longitudinal slots therein, a spider fixed at each end of said tubular body internally thereof, each of said spiders having grooves spaced circumferentially about the periphery thereof, the grooves in one of said spiders being in substantial alignment with the grooves in the other of said spiders and the grooves in both of said spiders being in substantial alignment with the longitudinal slots of the tubular body, springs carried in said grooves, arms mounted on said

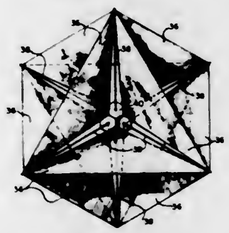


springs, said arms having a length greater than the length of said slots whereby outward movement of said arms is limited, a rib on each arm extending through a longitudinal slot, and a circular disc fastened to each of said spiders, one of said circular discs being of smaller diameter than the yarn package to be supported on the arbor and the other of said discs being of a diameter larger than the diameter of the yarn package so as to cause the same to act as a stop for the yarn package.

2,576,255
REFLECTING FABRIC

Emmett L. Hudspeth, Springfield, Pa., and John P. Nash, Neenah, Wis., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application June 15, 1948, Serial No. 33,204
9 Claims. (Cl. 343—18)



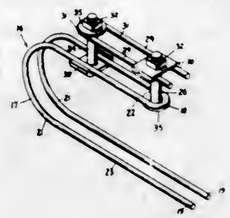
1. A collapsible reflecting surface for reflecting electro-magnetic energy, said surface being formed of a series of knitted spaced loops of electrically conductive thread, said surface having a binder secured to the edges thereof, each of said edges having a concave arcuate shape whereby said surface will remain under tension throughout when supported at the corners thereof.

2,576,256
HARROW RUNNER

Joseph B. Kucera, Traer, Iowa

Application June 14, 1948, Serial No. 32,798
1 Claim. (Cl. 280—12)

A runner device for a harrow having a front beam member including, a body member comprised of a rod having a loop intermediate its ends, and the double lengths thereof formed into a substantially U-shape to provide a pair of parallel transversely spaced upright runner sections, with said loop defining the rear end of the upper leg of said runner device, a pair of bolts insertible within the loop of said upper leg having portions engageable with one side of said loop, and a clamp

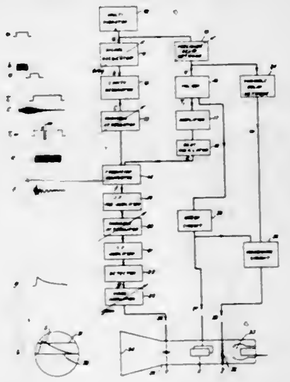


member for said bolts, with said beam member being arranged between said upper leg and clamp member so as to be clamped therebetween, when said bolts are tightened.

2,576,257
MEASUREMENT OF Q OF RESONANT ELECTRICAL SYSTEMS

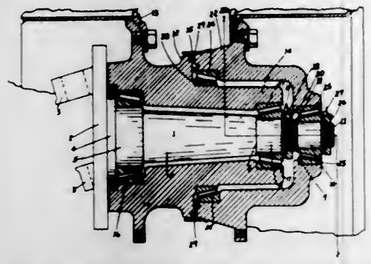
Russell W. Lange, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 27, 1948, Serial No. 4,624
5 Claims. (Cl. 175—183)



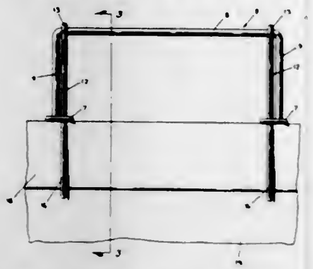
3. A system for measuring the quality factor Q of an electrical resonance device which comprises a source of oscillations of a natural resonance frequency of the device, an oscillation detector, a local beating oscillation generator of an oscillation frequency different from that of said source, means for connecting said device to said source to receive pulses of oscillations therefrom and said detector to said device to receive oscillations from said device, means for connecting said generator to said detector to impress beating oscillations thereon, a pulsing means connected to said source and to said beating oscillation generator to initiate and terminate pulses of oscillations transmitted from said source to said device and to initiate pulses of beating oscillations to be supplied by said generator to said detector at instants subsequent to the termination of a pulse from said source and separated by a measured time interval, and means connected to said detector to receive the resulting responses therefrom and to indicate the intensities thereof.

2,576,258
DUAL WHEEL ASSEMBLY
Willis M. Marsh, Sarasota, Fla.
Application December 26, 1946, Serial No. 718,377
12 Claims. (Cl. 301—36)



11. In a dual wheel assembly comprising a main spindle, combined super spindle and inner wheel hub, an outer combined hub cap and wheel hub mounted on the super spindle at the median line thereof; separate and independent inspection, adjustment and attachment means both mounted upon the outermost end of the main spindle, one just inside of the outer hub cap, adapted to fasten and adjust securely the inner wheel hub so that it is unaffected by any loosening or tightening or removal of the outer one, and the other adjusting and securing means being on the outside of the said outer hub cap, and controlling only the said outer wheel without disturbing the inner.

2,576,259
HANDLE ATTACHMENT FOR BAG CONTAINERS
Gene S. McGuire, Des Moines, Iowa, assignor of one-fourth to Ross Wallace and one-fourth to Don McMurray, both of Des Moines, Iowa
Application May 15, 1950, Serial No. 161,977
4 Claims. (Cl. 224—45)



1. A handle attachment for a bag container including a pair of U-shape members each of which members includes a pair of legs and a base portion extended between one of the ends thereof, means pivotally connecting the other ends of the legs of a first one of said U-members with the base portion of the second one of said U-members for pivotal movement about said base portion as an axis, with said one ends of the legs on said first U-member being formed with oppositely arranged open loop portions such that the base portion of said first U-member extends between the terminal ends of said loop portions, and clamping rings loosely mounted about the base portion of the second U-member for movement about the legs of said U-members to clamp said U-members together in a side by side relation.

2,576,260
METAL STORM WINDOW
Paul E. Metts, Crafton, Pa., assignor to Aluminum Products Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1946, Serial No. 692,407
1 Claim. (Cl. 189—64)

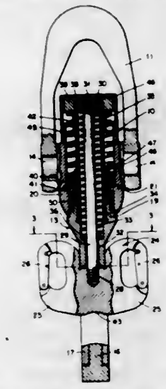


In the combination of a frame with a plurality of glazed sash panels mounted therein in substantially coplanar abutting relationship, the sash panels being in slidable engagement with the sides of the frame and being removable from the frame in a direction normal to the plane of the frame, the improvement comprising a pair of opposite parallel side members of the frame each in the form of an integral length of extruded metal having a first flange extending parallel to the plane of the frame and two other flanges projecting from one side of the first flange normal to the plane of the frame and forming a channel therebetween, said first flange having a flat surface of substantial area on said one side between the outer edge of the first flange and the nearer of the other two flanges, and a pair of opposite parallel side members of each sash panel slidably engageable with the respective frame members and also each in the form of an integral length of extruded metal, each of said sash panel members having a flat portion of substantial area slidably bearing against said flat surface of the first of said flanges of the adjacent frame member, and having a flange of substantially U-shaped cross section extending around both sides of one and along one side of the other of the said other two flanges of the adjacent frame member, with the U-shaped flanges of the sash panels extending from and between the front and rear planes of the sash panels and with the outer edges of the interlocking flanges of the sash panels and frames spaced from any sliding contact during relative movement of the sash panels in the frame, whereby the said flanged frame and sash panel members form a rigid and weather-tight window structure with the wear distributed along the sides of the flanges to increase the life of the structure.

2,576,261
HOOK
Burt S. Minor, Whittier, Calif., assignor to Regan Forge and Engineering Company, San Pedro, Calif., a corporation of California
Application November 8, 1948, Serial No. 58,879
15 Claims. (Cl. 294—82)

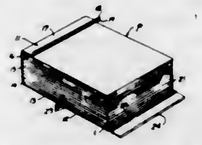
1. In a hook of the type described, a tubular swivel body, a bail mounted on said body for suspending the body, a main hook mounted for limited movement in said body axially thereof, resilient means yieldably resisting movement of said main hook relative to said body under influence of a load on the hook, a yoke providing a pair of auxiliary hooks one at each side of said main hook, said yoke being mounted in said main hook for limited movement longitudinally thereof, secondary resilient means yieldably resisting movement of said yoke relative to said main hook under influence of a load on the yoke, an annular

thrust bearing interposed between said first mentioned resilient means and said swivel body, and



means forming an annular lubricant retaining well around said bearing.

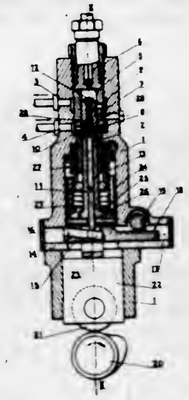
2,576,262
PATCH INSERTING TOOL
Joseph S. Morehead, San Jose, Calif.
Application March 28, 1949, Serial No. 83,800
5 Claims. (Cl. 81—3)



1. A tool for inserting a patch between overlapping exterior board finishing comprising a main body adapted to receive and support a patch, a vertical section at one end of said main body in abutting relation to a patch disposed thereon, said vertical section having a finger engaging bead, and a ridge formation adjacent the opposite end of said main body for protecting the leading edge of a patch disposed thereon during insertion of the same between said overlapping board finish by said tool.

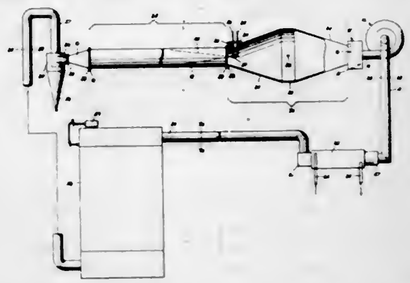
2,576,263
FUEL INJECTION PUMP FOR COMBUSTION ENGINES
Gustav Pielstick, Saint Germain en Laye, France
Application February 8, 1950, Serial No. 143,033
In France February 15, 1949
7 Claims. (Cl. 103—41)

1. In a fuel injection pump ir combination a pump body having a pump cylinder chamber therein, a pump piston reciprocable in said cylinder, an injection nozzle leading from the top of said chamber, fuel-intake means into and fuel exhaust means out of said chamber, an axial bore through said piston opening into said chamber at the top of said piston, a valve having a valve head in said chamber above said piston and adapted to seal said bore, and a stem slidably extending through said bore, and adapted to lift said valve above said bore for a predetermined lowermost position of said piston, said valve head when spaced above the top of said bore providing communication from said chamber to said fuel-inlet means, and when moving with said piston in sealed engagement with said bore sealing said chamber, bearing means provided for and connected to the lower end of said stem below said piston determining the vertical position of the valve head in said chamber, and means for adjusting the height of said bearing



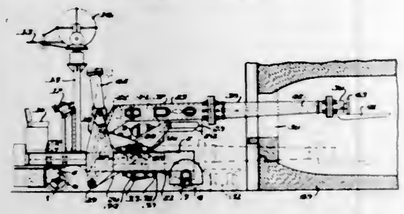
means, a camshaft, a cam fixedly set on said camshaft, thrust transmitting means from said cam to the bottom end of said piston and spring means associated with said piston to urge the piston in opposition to the thrust of the cam.

2,576,264
SPRAY DRYING APPARATUS
Samuel T. Coulter, St. Paul, Minn., Ralph E. Montonna, Syracuse, N. Y., and Arnold S. Kitses, St. Paul, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application August 16, 1947, Serial No. 769,030
4 Claims. (Cl. 159—3)



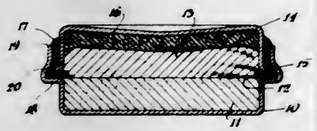
2. A drying apparatus comprising a long tubular drying duct having an inlet end and a discharge end, means for spraying material to be dried into the inlet end of said duct and axially thereof, a generally frusto-conical member having its bases parallel to each other and perpendicular to the axis of said conical member and having its smaller diameter the same as the diameter of said duct, said conical member being attached to said duct at its smaller diameter, and a blower for introducing a flow of gas into said conical member at the larger base thereof and in predominantly parallel flow with respect to the axis of said conical member, thereby regulating the flow of gas to such inlet end as to maintain a substantially uniform rate of flow of gas across the cross section of said duct.

2,576,265
FURNACE CHARGER
Thomas M. Rose, Pittsburgh, Pa., assignor to Salem-Brosius, Inc., a corporation of Pennsylvania
Application February 2, 1949, Serial No. 74,147
12 Claims. (Cl. 214—26)



10. A furnace charger comprising a base, arms pivoted to the base and crossing each other, a peel carried by the arms, being pivoted to one thereof and having a slidable connection with the other thereof, the arms having elongated guideways extending respectively therealong, a control member guided by and movable along the guideways upon relative turning of the arms about their respective pivotal connections with the base, guide means fixedly mounted relatively to the base by which the control member is also guided and along which it moves upon relative turning of the arms about their respective pivotal connections with the base and a cylinder pivoted to the base, a piston in the cylinder adapted to be hydraulically actuated and a connection between the piston and the pivotal connection between the peel and said arm for relatively turning the arms about their respective pivotal connections with the base.

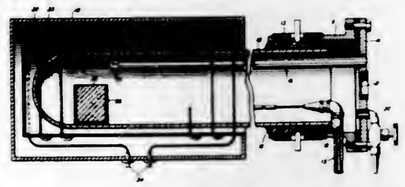
2,576,266
ELECTROLYTE FOR ALKALINE DRY CELLS
Samuel Ruben, New Rochelle, N. Y.
Application December 23, 1947, Serial No. 793,407
8 Claims. (Cl. 136—157)



1. The method of making an alkaline gel electrolyte for an electric current producing cell which comprises dissolving 3 to 12 grams of a salt of carboxy-methyl cellulose in each 100 milliliters of an aqueous solution of an alkali metal hydroxide and heating the mixture to a temperature of at least 100° C. but below the boiling point of the mixture whereby a self-supporting solidified and elastic gel body is obtained.

2,576,267
PREPARATION OF GERMANIUM RECTIFIER MATERIAL
Jack H. Scaff, Summit, N. J., and Henry C. Theuerer, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 27, 1948, Serial No. 56,742
4 Claims. (Cl. 29—25.3)

2. A method of preparing germanium material for use in conductive devices that comprises heating germanium oxide material in a graphite container in the presence of a reducing atmosphere to obtain germanium material, melting the resulting material in a graphite container, cooling the melt to progressively solidfy it from one extremity to the other, and dividing the solidified material into circuit elements.

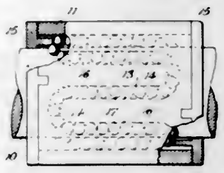


4. The method of preparing germanium material for use in conductive devices which comprises melting a quantity of germanium material, progressively cooling the melt along an axis, whereby the impurities present are of greater concentration in the last frozen portion of the resulting ingot, removing some of the last frozen portion, remelting the remainder of the ingot, and progressively cooling it to redistribute the impurities.

2,576,268
CELLULOSE ESTER PLASTICIZED WITH A 1-4 BUTANDIOL DIESTER
Gershon J. Shugar, Jersey City, and Walter D. Paist, Orange, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 24, 1947, Serial No. 750,374
6 Claims. (Cl. 106—180)

1. A thermoplastic composition of matter comprising essentially an organic acid ester of cellulose plasticized with a member of the group consisting of 1,4-butanediol-dilaurate, 1,4-butanediol-di - 2 - ethylhexoate and 1,4 - butanediol-dicyclohexyl-acetate.

2,576,269
BALL BEARING
John B. Thomson, Plandome, N. Y.
Application January 30, 1946, Serial No. 644,262
4 Claims. (Cl. 308—6)



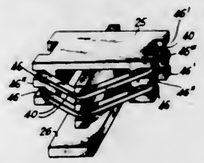
3. A ball bearing for linear motion comprising a sleeve, a ball retainer within said sleeve having axially-directed straight slots to guide the balls when under load and guide-ways communicating with the ends of said slots to guide the balls when relieved of the load, the said balls substantially filling both said slots and said guide-ways, and characterized by this: that the inner face of said sleeve is formed with relatively narrow raised portions extending from one end of said sleeve to the other to provide bearing surfaces for the balls under load and with relatively wide relieved portions between the raised portions and extending from one end of said sleeve to the other to provide clearance for the balls not under load.

2,576,270
WHEEL CONSTRUCTION
Mercer D. Walklet, Akron, Ohio, assignor to The Hamlin Metal Products Company, Akron, Ohio, a corporation of Ohio
Application October 25, 1947, Serial No. 782,103
3 Claims. (Cl. 152—380)



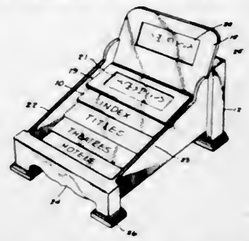
1. A wheel construction comprising two opposed disks of similar contour, with flared portions defining a radially-outwardly, concave rim, inwardly extending shoulders at the outer edges of the said flared portions, inwardly directed, arc-shaped flanges beyond the shoulders, the edges of said flanges being spaced apart when the disks are assembled to provide a peripheral slot, a rubber tire about the wheel comprising a tread portion fitting over the flanges and an inwardly extending neck lying within the said slot and an enlarged lobe interiorly of the flanges, and spaced from the interior walls of said flared portions, and means to secure the disks together with the lobe of the tire held within the flanges.

2,576,271
SHOCK AND VIBRATION INSULATOR
Felix L. Yerzley, Verona, N. J.
Original application May 20, 1943, Serial No. 487,798, now Patent No. 2,415,983, dated February 18, 1947. Divided and this application October 17, 1946, Serial No. 703,903.
13 Claims. (Cl. 248—358)



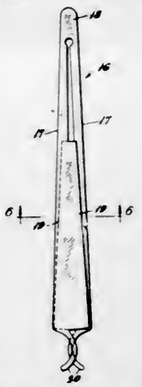
12. In an organization for mounting an object on a support and insulating the object from vibration to which the support may be subjected, two complemental members, one being attached to the support and having means for holding a closed loop of rubber in elongated stretched condition to provide generally parallel courses of rubber, and the other being attached to the object and having formations engaging said courses of rubber between their ends and holding the courses displaced into angular formations.

2,576,272
ADVERTISING DEVICE
William Adelman, Philadelphia, Pa.
Application March 11, 1946, Serial No. 653,552
1 Claim. (Cl. 40—102)



An advertising index comprising a backing, a plurality of superimposed folders of transparent material adapted for holding pages of advertising and the like, characterized in that each of the superimposed folders is slightly shorter than the folder below, providing steps wherein strips within the respective folders indicating the contents thereof are visible, and removable mounting means adapted to mount all of said folders at once with the same holding means, said mounting means comprising a single row of a plurality of rings capable of being repeatedly opened and closed.

2,576,273
NECKTIE CREASE REMOVING INSERT
George Aitto and Vesa Jarvi, New York, N. Y.
Application July 24, 1947, Serial No. 763,320
1 Claim. (Cl. 223—65)



An article adapted for use in a necktie or like article having an opening in one end thereof giving access to a pocket extending longitudinally between the front and back walls of the necktie and having a tapering conformation in a direction toward the intermediate portion of the necktie from said end, comprising a normally substantially flat unitary member having a nose and two divergent legs extending from the nose at an acute angle to each other, said legs thereby possessing a degree of resiliency and when unrestrained being normally spread by said resiliency to spaced-apart co-planar positions with respect to each other, the outer edges of said legs being straight edges and lying normally at a greater angle to each other than the angle between the two side edges of the tapering necktie, said legs having wing-like inner extensions

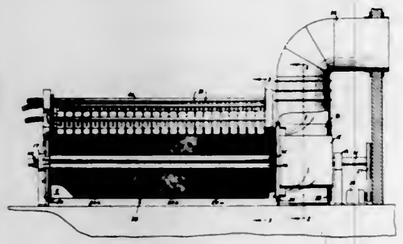
of identical length integral therewith and extending toward each other, said extensions extending longitudinally of said legs from the lower ends of the legs, shoulders formed between the upper extremities of said extensions and the inner edges of said legs between said extensions and said nose, hence when said legs are squeezed together said extensions being adapted to mutually overlap, the inner edges of said extensions being straight edges normally lying at such an acute angle with respect to each other that when said legs are squeezed together and said device is inserted into said opening to occupy said pocket and said legs are then released said resiliency will cause said legs to spread to bring said outer edges of said legs against the side edges of said pocket and said extensions will separate from each other and lie in a common plane with said inner edges of said extensions mutually juxtaposed.

2,576,274

DRYING AND CURING APPARATUS

Charles B. Albright, New York, N. Y., assignor to The Orr Felt & Blanket Company, Piqua, Ohio, a corporation of Ohio

Application October 4, 1947, Serial No. 777,927
12 Claims. (Cl. 34—48)



1. An apparatus for processing felts consisting of, a rotatable wire mesh drum exposed to normal room air conditions and having areas of increasing porosity from one end to the other to cause substantially uniform air movement through the entire surface of the drum, a chamber having a suction fan therein at one end of said drum, said drum having the end thereof of minimum porosity connected with said chamber, whereby air is drawn through the foraminous surface of the drum and through a felt placed thereon uniformly, and radiant heating means extending longitudinally of the drum and spaced therefrom to heat a felt placed on the drum.

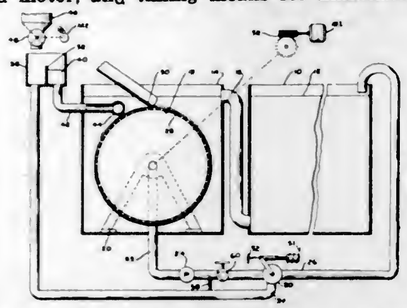
2,576,275

APPARATUS FOR FILTERING

David E. Bench, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio

Application May 29, 1948, Serial No. 30,060
10 Claims. (Cl. 210—199)

1. In a filter; a tank, a drum having a perforate periphery in the tank entirely below the normal liquid level of the tank, pump means having its inlet connected with the interior of the drum, a scraper blade bearing on the surface of the drum to remove the entire thickness of the filter cake thereon upon rotation of the drum, a motor for driving said drum, means responsive to a predetermined reduced flow rate through said filter for initiating energization of said motor, and timing means for maintaining



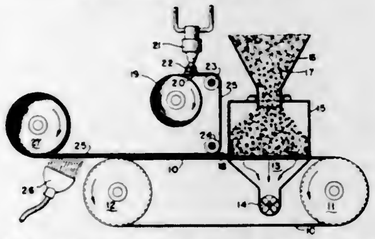
said motor energized until the drum has made at least one complete revolution.

2,576,276

APPARATUS FOR MAKING FLOCK COVERED PAPER

Orion William Berglund, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio

Application August 2, 1948, Serial No. 41,992
4 Claims. (Cl. 91—8)



1. A device for manufacturing a flock-covered sheet material in a continuous operation, comprising a flock dispensing means having a closed casing portion; a metal screen adjacent said casing portion for temporarily receiving said flock and conveying the same through a given path; suction means to apply suction to said flock over a portion of the said given path; means including said receiving means to remove said suction means from said flock on said receiving means; a means for depositing a sheet with an adhesive surface onto said flock after removing said suction means, whereby said flock is transferred to and held by said adhesive surface; a means for removing said flock-covered sheet from said receiving means; and means for drying said flock-covered sheet.

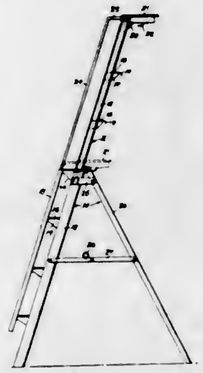
2,576,277

EXTENDABLE STEP LADDER

John M. Biegen, Great Neck, N. Y.

Application July 19, 1949, Serial No. 105,593
4 Claims. (Cl. 228—21)

1. An extendable step ladder comprising a primary ladder structure having lower side rails and lower treads, pivot plates mounted on the upper portions of said lower side rails, props pivotally mounted on said pivot plates, spreaders pivotally mounted between said lower side rails and props, an auxiliary ladder structure having upper side rails telescopically mounted within said lower side rails of the primary ladder structure, upper treads with curved portions mounted on said auxiliary ladder structure, a latch bar having an offset portion pivotally mounted between said props and above said pivot plates, and so positioned that when the auxiliary ladder structure is raised, the offset portion of said latch bar will normally engage the curved portion of one of said upper treads thus arresting the downward movement of said auxiliary ladder structure, whereby when the



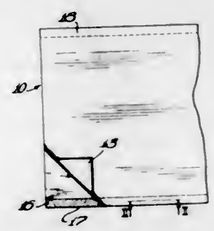
spreaders are pulled upwardly, the upward portions of the props above the pivot plates move outwardly and upwardly in an arcuate path causing the offset portion of the latch bar to become disengaged from the curved portion of the upper tread and the upper side rails of the auxiliary ladder structure to telescope into the lower side rails of the primary ladder structure.

2,576,278

LAMINATED PAPER PRODUCT

John N. Bode, Birmingham, Mich.

Application May 10, 1951, Serial No. 225,603
4 Claims. (Cl. 154—55)



1. A flexible laminated wrapper comprising a relatively thick flexible cushion base layer of corrugated paper having valleys and ridges, an intermediate layer of flexible paper substantially coextensive with said cushion base and joined to said cushion base along the ridges thereof, a separate one-piece outer layer of flexible, tough paper overlying said intermediate layer and adhesive material uniting said outer layer in permanent assembly with said intermediate layer said cushion base along only two opposite widely separated rectilinear edges thereof, said adhesive material being confined within narrow marginal portions contiguous to said edges to leave a major width portion of said outer layer between said marginal portions entirely unattached to said intermediate layer, and the ridges of the corrugations of said base extending between said edges at right angles thereto to facilitate the winding of said wrapper into a roll with the corrugations parallel to the axis of said roll.

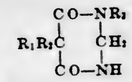
2,576,279

4,6 - DIKETO - 5,5 - DISUBSTITUTED PYRIMIDINES AND PROCESS FOR PREPARING SAME

William R. Boon, Herbert C. Carrington, and Charles Henry Vasey, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

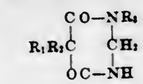
No Drawing. Application July 11, 1950, Serial No. 173,248. In Great Britain July 27, 1949
14 Claims. (Cl. 260—260)

1. New pyrimidine derivatives possessing anticonvulsant properties and having the general formula

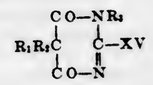


wherein R_1 stands for a radical selected from the group consisting of monocyclic carbocyclic radicals of six carbon atoms and alkenyl radicals of from 1 to 3 carbon atoms, R_2 stands for a radical selected from the group consisting of alkyl radicals of from 1 to 3 carbon atoms and alkenyl radicals of from 1 to 3 carbon atoms and R_3 stands for a radical selected from the group consisting of hydrogen and alkyl radicals of from 1 to 4 carbon atoms.

3. Process for the manufacture of new pyrimidine derivatives having the general formula



wherein R_1 stands for a radical selected from the group consisting of monocyclic carbocyclic radicals of six carbon atoms and alkenyl radicals of from 1 to 3 carbon atoms, R_2 stands for a radical selected from the group consisting of alkyl radicals of from 1 to 3 carbon atoms and alkenyl radicals of from 1 to 3 carbon atoms and R_3 stands for a radical selected from the group consisting of hydrogen and alkyl radicals of from 1 to 4 carbon atoms, which comprises reduction of a compound of the formula



wherein R_1, R_2 and R_3 have the meaning stated above, X stands for a radical selected from the group consisting of oxygen and sulphur and Y stands for a radical selected from the group consisting of hydrogen and alkyl radicals.

2,576,280

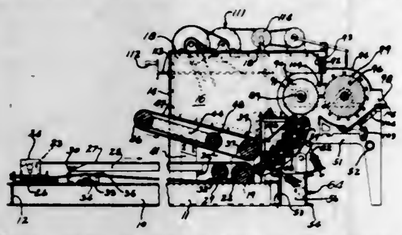
APPARATUS FOR OPENING AND CLEANING LINT COTTON

Eugene H. Brooks, Dallas, Tex., assignor to Continental Gin Company, a corporation of Delaware

Application May 24, 1948, Serial No. 28,805
8 Claims. (Cl. 19—67)

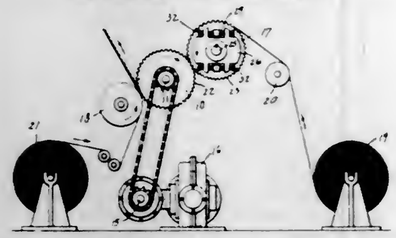
7. In a cotton opening and cleaning machine embodying a housing, an apron in the housing

onto which cotton to be opened and cleaned is fed, closely spaced elongated coacting groups of rotatable rollers disposed to receive between them cotton discharged from the apron, means to rotate the rollers with the adjacent surfaces thereof traveling in the same direction, a rotatable saw cylinder disposed to engage the cotton discharged from between the last rollers of said groups, said saw cylinder being disposed to remove the cotton and carry the same around, means mounting the saw cylinder with the lower



surface thereof above the level of said apron and rotating toward the apron to return to the latter lint thrown forwardly off the bottom of the saw cylinder by centrifugal force, and means in the housing disposed on the side of the saw cylinder opposite the apron to doff cotton from the saw cylinder, there being an opening in the housing beneath the side of the saw cylinder from which cotton is doffed through which dirt, trash, motes and the like escape when removed from the cotton while the same is on the saw cylinder.

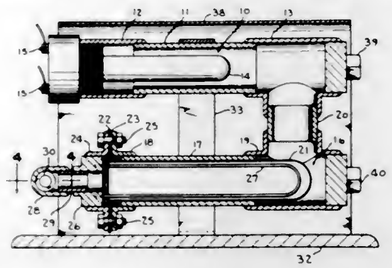
2,576,281
CORRUGATING MACHINE
Aloysius J. Carr, Knightstown, Ind.
Application June 9, 1950, Serial No. 167,128
10 Claims. (Cl. 154—30)



6. A corrugating machine comprising in combination, a pair of corrugating rolls mounted on shafts having their axes parallel and having interdigitating corrugating ribs, driving members mounted on the shafts of one of said rolls, driven members mounted on the shafts of the other of said rolls, and means for connecting said driven members respectively with the shaft of said second mentioned roll including a lug on the face of said driven members respectively, a driving head mounted on the shaft of said driven roll and a pair of lugs on said pulley receiving between them said first mentioned lug, and a pair of springs interposed between the opposite faces of said first mentioned lug and the opposed faces of said second mentioned lugs.

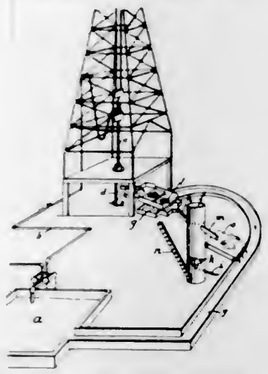
2,576,282
INJECTOR FOR INJECTING CAUSTIC OR ACID FLUIDS
Russell J. Chambers, Cedar Rapids, Iowa
Application June 28, 1947, Serial No. 757,885
3 Claims. (Cl. 103—44)

1. An injector having an upper chamber and a lower chamber formed of high pressure steel pipe nipples connected at respective ends by T's and connecting nipple, there being plugs in said T's to provide access to said chambers, an immersion type heater in said upper chamber, an inlet having an inwardly opening check valve and an outlet having an outwardly opening check valve both connected to said lower chamber, a flexible rubber sack in said lower chamber having



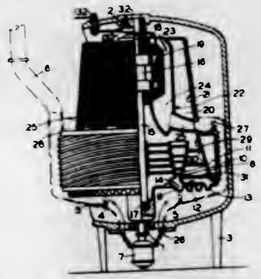
an expanded volume substantially equal to the volume of said lower chamber, the open end of said sack being held between connecting flanges positioned on the end of the nipple comprising said lower chamber and communicating with said inlet and outlet, and a charge of alcohol normally in liquid state in said upper chamber duct and portion of the lower chamber exterior of said sack, said alcohol being vaporized by said heater to cause the collapse of said sack.

2,576,283
PROCESS OF SEPARATING SHALE CUTTINGS FROM DRILLING MUD CONTAINING PLASTERING AGENTS
Preston E. Chaney, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application July 28, 1944, Serial No. 547,028
11 Claims. (Cl. 255—1.8)



1. In the process of rotary drilling wells involving circulation of drilling mud fluid, with removal from the bore hole of shale cuttings, to which mud fluid has been added a plastering agent the particles of which have a ratio of surface area to particle weight substantially higher than the ratio of surface area to particle weight of the cuttings, the improvement which comprises separating from the drilling mud fluid the mixture of said plastering agent and shale cuttings contained in the stream of such mud fluid outflowing from the bore hole, separating the plastering agent from the shale cuttings by subjecting the mixture to the action of a fluid stream adapted to carry away only the particles having a high ratio of surface area to particle weight and conveying the separated plastering agent to the mud stream at a locus beyond the locus of the removal therefrom of the plastering agent and shale cuttings, whereby a drilling mud substantially free of shale cuttings, but with the removed plastering agent restored thereto, is conveyed to the drill stem, thereby effecting continuous circulation of the mud fluid without accumulating therein shale cuttings and without substantial loss from the stream of any plastering agent not utilized to plaster the bore hole.

2,576,284
VAPOR ELECTRICITY GENERATOR SET
Piero Crocchi, Milan, Italy
Application January 21, 1949, Serial No. 71,859
In Italy February 19, 1948
8 Claims. (Cl. 290—2)

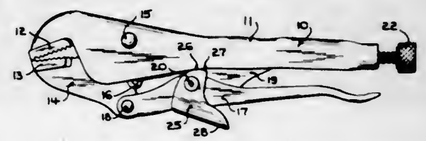


1. An electrical generating system, comprising a vapor producing boiler, a turbine-body, a turbine shaft, a surface condenser, an alternator, and a gas-tight casing within which the vapor circulates; boiler, turbine-body and condenser being rotatable jointly with the gas-tight casing on a common axis in one direction; turbine wheels and an inductor mounted on a coaxially arranged shaft rotatable in opposite direction, and placed internally within said rotatable casing, without communication with the outside; circulation of cooling medium in the condenser, as well as the return of condensate into the boiler being brought about by means of centrifugal force caused by rotation of said casing.

2,576,285
OXYETHYLATED HYDROPHILE DERIVATIVES OF CERTAIN FRACTIONAL ESTERS OF TRIRICINOLEIN
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,186
6 Claims. (Cl. 260—404.8)

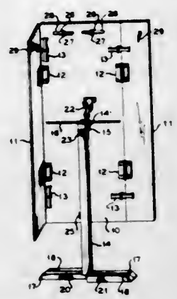
1. A water-miscible oxyethylated triricinolein acidic ester; said triricinolein acidic ester being that of a saturated dicarboxy acid having not over 10 carbon atoms and characterized by the fact that prior to oxyethylation there is present at least one dicarboxy acid carboxyl radical for each triricinolein radical, and all dicarboxy acid radicals are directly attached to the ricinoleyl radical.

2,576,286
QUICK RELEASE ATTACHMENT FOR VISE GRIP PLIERS
Murray Eisenberg, New York, N. Y.
Application April 5, 1945, Serial No. 586,667
6 Claims. (Cl. 81—84)



4. Vise-grip pliers of the character described provided with a handle and articulated lever means movable in one direction with respect to said handle for locking the jaws thereof, said articulated lever means being provided with a medial pivot including a pivot pin and a cam plate provided with a bore to receive said pivot pin to position said cam plate on said medial pivot for camming engagement with an element other than said articulated lever means to urge the articulated lever means in the other direction to unlock said jaws.

2,576,287
PEDESTAL TABLE WITH PIVOTED DROP LEAF AND FOLDING BASE
Henry E. English, Tampa, Fla.
Application May 28, 1946, Serial No. 672,798
1 Claim. (Cl. 311—96)



A folding table comprising an elongated upright pedestal, a table top having an elongated intermediate section centrally pivoted to the top of said pedestal adjacent one edge thereof, a pair of elongated leaves hingedly connected to the longitudinal edges of said intermediate section, a rod rigidly secured in a recess formed in the top of said pedestal and extending transversely of said intermediate section to provide additional support therefor, a plurality of elongated members centrally pivoted on the underside of said table top adjacent the longitudinal edges thereof, said members being movable to a position supporting said leaves in extended position, a hook member on the underside of each of said leaves and cooperating members pivotally mounted on the underside of said intermediate section engageable with said hook members for retaining said leaves in folded position, a catch mounted on the upper portion of said pedestal opposite said pivotal connection and a spring latch mounted on the underside of said intermediate section for engagement with said catch to retain said intermediate sec-

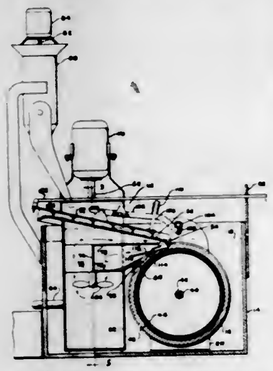
tion in opened position, a projection attached to the underside of said intermediate section adjacent one end thereof and a clip attached to an intermediate portion of said pedestal for engagement with said projection to retain said intermediate section in folded position against said pedestal, a pair of feet extending in opposite directions from the bottom of said pedestal, an outrigger pivoted to each of said feet adjacent said pedestal and movable from a position beside said feet to a position perpendicular to said feet, and fastening means on said feet and said outriggers for retaining them in perpendicular position.

2,576,288

METHOD AND APPARATUS FOR FILTERING

Albert O. Fink and David E. Bench, Dayton, Ohio, assignors, by mesne assignments, to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio

Application December 30, 1947, Serial No. 794,634
22 Claims. (Cl. 210—201)



15. In a filter; a rotatable cake supporting drum, a drive motor for said drum, a pump connected to draw fluid from said drum, a scraper blade extending the length of said drum and operable to remove a part of the cake therefrom when said drum rotates, a tank having a recoating chamber part opening against the surface of said drum immediately following said blade, a dispenser to supply dry cake forming material to said tank, means to supply fluid to said tank to form a slurry with the dry material therein, a feeler in said chamber part engaging the surface of the cake on the drum therein to detect the thickness of the said cake, control means for said drive motor connected with said feeler and operated thereby to energize said drive motor when said cake reaches a predetermined thickness, and means responsive to a predetermined minimum discharge rate of said pump for actuating said dispenser, and to a discharge rate of said pump greater than said predetermined rate for halting the action of said dispenser.

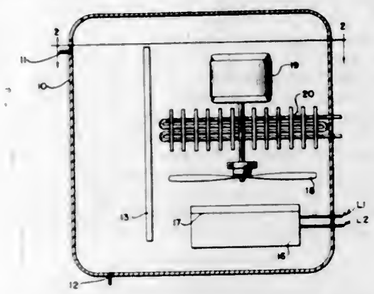
2,576,289

DYNAMIC PYROLYTIC PLATING PROCESS

Albert O. Fink, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio

Application December 2, 1949, Serial No. 130,671
11 Claims. (Cl. 117—107)

1. The method of gas plating dense coatings which comprises: heating an object to a decomposition temperature for metal-bearing vapors in a plating zone; moving gaseous material at least a portion of which decomposes depositing metal into the said plating zone; and moving the gas



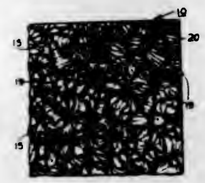
at a velocity of between about 40 and 90 feet per second in a turbulent fast moving stream directed against the surface of the object to be plated.

2,576,290

METHOD OF APPLYING A MODIFIED WRINKLE FINISH COATING TO A BASE

John R. Fisher, Jr., Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

Application December 29, 1949, Serial No. 135,790
1 Claim. (Cl. 117—41)



A method of providing articles with a wrinkle finish decorative coating wherein the wrinkle finish comprises two appreciable different wrinkle rugosities which comprises the steps of (a) applying to the surface of the article to be finished a wrinkle-drying coating composition comprising phenol formaldehyde resin, wrinkle-drying oil, a solvent, and drier, (b) drying said coating for approximately 15 minutes to form a skin over the surface thereof then before wrinkling has been initiated, (c) applying a spattering coat consisting of a plurality of segregated droplets of a pigmented resinous oil liquid coating composition having a viscosity of approximately 2.5 to 5.5 poises and is of a different color from the wrinkle coating composition, and (d) drying said coating at a temperature between about 150° and 250° F., to produce a wrinkle-finish on said article having accentuated wrinkles formed between said segregated droplets as nuclei and fine wrinkles in the area encircled by said accentuated wrinkles.

2,576,291

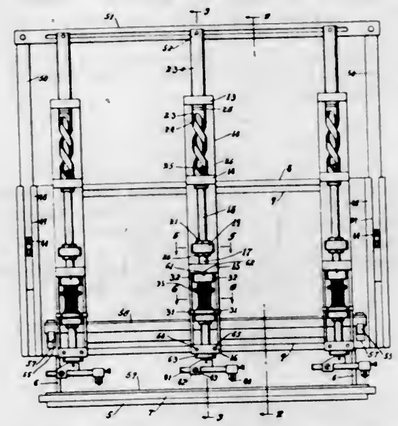
MACHINE FOR CUTTING GLASS DISKS

Arthur T. Fletcher, Bristol, Conn.

Application December 26, 1947, Serial No. 793,938
10 Claims. (Cl. 33—27)

1. A machine for cutting forms from sheets of glass comprising a cutter, a member rotatable for

moving said cutter along the surface of a sheet to cut a form therefrom, brake means for applying resistance against the rotation of said mem-



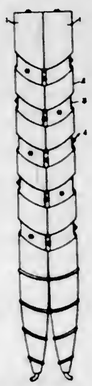
ber, and means responsive to the said resistance for controlling the pressure with which said cutter is applied against the sheet.

2,576,292

ROLL FOR CORN PICKERS

Herman D. Flora, Cutler, Ind.

Application April 28, 1947, Serial No. 744,377
1 Claim. (Cl. 130—5)



In combination, a hollow cylindrical corn harvester snapper roll having a plurality of circular internally screw threaded stripper finger receiving openings in the wall thereof, a stripper finger unit inserted in each of said openings from the outer periphery and comprising a cylindrical casing having an external diameter not greater throughout its insertable length than said finger unit receiving opening in the roll and having a central passage extending therethrough, one portion of said passage being reduced in diameter to provide an integral internal shoulder, a piston operating within said central passage and restrained from projection out of said cylindrical casing by said shoulder, a flat topped stripper finger integral with said piston and projecting through the restricted portion of said passage, a nut shaped portion on the outer end of said cylindrical casing of greater diameter than the opening in the wall of said snapper roll, a coiled spring within the cylindrical casing for biasing said piston in its projected portion, and a plug threaded into the opposite end of said opening engaging one end of said spring and adjustable for adjusting the tension of said spring, said cylindrical casing being screw threaded for at least a portion below the nut-shaped portion for engagement with the internal threads of said finger openings in the roll.

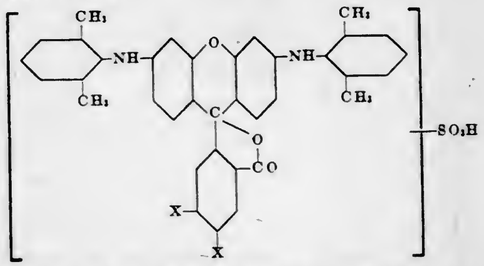
2,576,293

DYESTUFFS

Harold France and Norman Hulton Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 11, 1949, Serial No. 104,137. In Great Britain July 26, 1948
4 Claims. (Cl. 260—344.6)

1. The new dyestuffs which are represented by the formula—



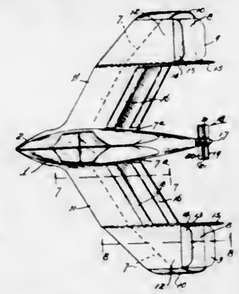
where one of the substituents marked X is a hydroxyl group and the other is a carboxyl group.

2,576,294

AIRPLANE SUSTENTATION AND CONTROL SURFACE ARRANGEMENT

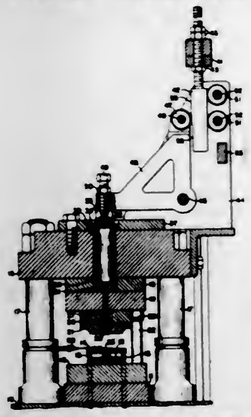
Alexander D. Geraci, Chicago, Ill.

Application June 26, 1948, Serial No. 35,499
1 Claim. (Cl. 244—13)



An airplane wing composed of upper and lower wing sections, the lower wing section having a lower face of slight curvature, a terminal portion for said lower wing section disposed at an angle to the wing section proper, an elevator for said terminal portion, an upwardly and forwardly inclined concavo-convex rib connecting said terminal portion to said upper wing section, said wing sections being of thin structure and great stagger, an aileron for said upper wing section, struts connecting said wing sections, a rudder carried by said struts, and a flap carried by said upper wing section.

2,576,295
KNOCKOUT DEVICE FOR PUNCH PRESSES
Alonzo C. Good, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application March 29, 1949, Serial No. 84,231
3 Claims. (Cl. 164—110)



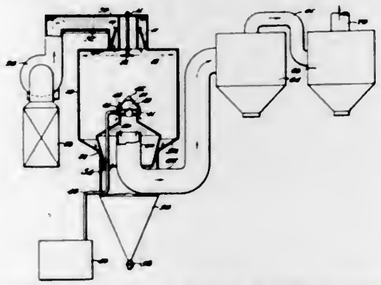
1. In a punch press or dieing machine having a compound die set consisting of a punch and a die, a reciprocating ram, and a knockout means in said ram to shed a blank from the die of the die set, the combination of a stationary frame, a cam adjustably mounted on said stationary frame, and a cam follower arm pivotally mounted on said ram coacting with the cam and the knockout means to operate the knockout means to shed the blank from the said die, said cam adjusted to actuate the cam follower and the knockout means immediately the ram begins to recede from its punching stroke, and before its receding stroke is completed.

2,576,296
JOINT CONSTRUCTION FOR PANELS
Lee B. Green, Lakewood, Ohio
Application September 25, 1947, Serial No. 776,040
1 Claim. (Cl. 189—36)



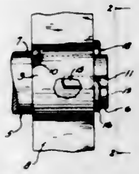
In a joint of the character described, a pair of sheet metal sheets lying substantially in a common plane and having single thickness longitudinally continuous edge portions carrying longitudinally continuous hook elements, the hook-carrying edge portion of one sheet being offset from said common plane so as to form a longitudinally continuous shoulder spaced from the hook element of said one sheet and the hook-carrying edge portion of the other sheet overlapping the offset portion and having the exterior of its hook element in longitudinally continuous substantially abutting engagement with said shoulder, the hook element of said other sheet lying substantially in said common plane and the hook element of said one sheet being offset from said common plane, the hook elements of the overlapping edge portions being spaced apart and having longitudinally continuous hook recesses opening toward each other between the overlapping edge portions, and a sheet metal locking strip of substantially Z-shaped cross-section disposed between said overlapping edge portions and having its opposite longitudinal edge portions engaged in said hook recesses, said locking strip being insertable endwise between the overlapped portions and being of a width such that its opposite edge portions exert a spreading action against said hook elements for holding said shoulder of said one sheet and the exterior of the hook element of the other sheet in said abutting engagement.

2,576,297
SONIC SPRAY DRYING
Caperton B. Horsley, Stamford, Conn., and Harold W. Danser, Jr., Belmont, Mass., assignors to Ultrasonic Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 29, 1947, Serial No. 764,384
2 Claims. (Cl. 109—48)



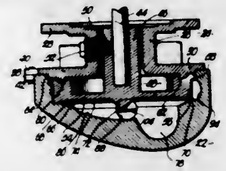
1. The method of treating a wet substance, comprising injecting different sizes of particles of the wet substance into a hot gas to form an aerosol, and applying to the aerosol thus formed high intensity sound waves at an intensity of at least 150 db above 0.0002 dynes/cm.^{2} root mean square pressure and at a frequency of about 3.5 kc., whereby the sound waves not only promote evaporation of the moisture but also form dry agglomerates.

2,576,298
SHAFT KEYING AND LOCKING CONSTRUCTION
Joseph S. Kessler, Kenosha, Wis., assignor to Tri-Clover Machine Co., Kenosha, Wis., a corporation of Wisconsin
Application March 31, 1949, Serial No. 84,701
9 Claims. (Cl. 287—53)



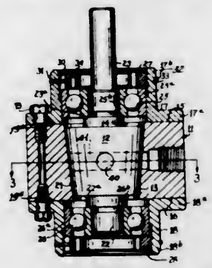
1. In combination, a shaft formed with a keyway; an element having a bore within which said shaft is positioned, said element having a complementary keyway formed in said bore, said shaft being formed with a circumferentially extending groove outwardly of and adjacent one end of said element; and a keying and locking member having a stem forming a key rotatably and removably positioned in said complementary keyways and having an elongated snap portion connected at one extremity to said stem, said snap portion being positioned in said circumferential groove adjacent the end portion of said bored element, said latter portion being swingable upon rotation of said stem to a position out of said groove and away from said shaft to permit removal of said stem from said keyways.

2,576,299
INGREDIENT PULVERIZING APPARATUS FOR FOOD PREPARING MACHINES
Joseph H. Knapp, Kansas City, Mo., assignor to C. Earl Hovey, Kansas City, Mo., trustee
Original application December 17, 1947, Serial No. 792,236. Divided and this application September 13, 1948, Serial No. 48,995
12 Claims. (Cl. 241—245)



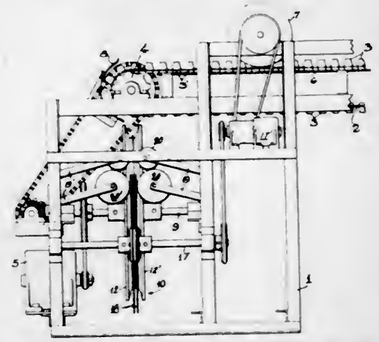
1. Pulverizing apparatus comprising a hollow body having an inlet opening; a rotor in the body having an annular peripheral face; a wall forming a part of said body and circumscribing said peripheral face of the rotor; cooperating pulverizing elements on proximal opposed surfaces of said body and of said rotor respectively; and an outlet opening formed in said body and extending through said wall thereof, said peripheral face of the rotor being in close juxtaposition to said wall on one side of the outlet opening and spaced from the wall on the opposite side of the outlet opening, the space between said peripheral face and said wall progressively and uniformly increasing from said one side of the outlet opening to said opposite side of the outlet opening in the direction of rotation of the rotor.

2,576,300
AXIALLY ADJUSTABLE ROTARY VALVE
Anthony J. Kreiner, Wickliffe, Ohio
Application May 28, 1945, Serial No. 596,265
4 Claims. (Cl. 251—91)



1. A structure of the character described comprising, a housing having therein a fluid passage and a tapered internal annular sealing surface defining a tapered opening, said housing also having substantially flat transverse end faces thereon at opposite ends of said tapered opening, a rotor rotatable in said opening for cooperation with said fluid passage and having a tapered external annular sealing surface thereon, the taper angle and diameter of said rotor being such in relation to the taper angle and diameter of said tapered opening that said rotor will have an initial relatively tight-fitting surface-to-surface engagement in said tapered opening when fully inserted thereinto, bearing holders carried by said housing adjacent opposite ends of the tapered opening and disposed substantially in coaxial relation to said tapered opening, bearings in said holders and engaging portions of the rotor for mounting the latter in said housing with the tapered surface of the rotor in substantially fluid-tight cooperation with the tapered surface of said housing but with a small annular clearance therebetween, said bearing holders having flat faces engaging said flat end faces and being initially shiftable relative to said housing and substantially radially of said tapered opening so as to permit centering thereof by said rotor through said bearings while the rotor is in said tight-fitting engagement, means for clampingly attaching the bearing holders to said housing so as to retain said holders in their centered relation, said bearings being adjustably movable in said holders for shifting the rotor axially out of said tight-fitting engagement and being adapted to hold said rotor relative to said housing so as to maintain said small annular clearance between said tapered surfaces, and means on said holders for producing such adjusting movement of the bearings and said axial shifting of the rotor.

2,576,301
FISH CUTTING MACHINE
Max K. Kuther, Monterey, Calif.
Application February 28, 1949, Serial No. 78,753
1 Claim. (Cl. 17—4)

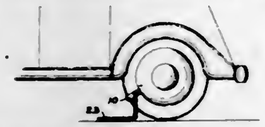


In a fish slicing machine, a rotatable fish carrier having an annular groove in its periphery, means synchronized with the carrier for delivering fish to the groove of the carrier, a pair of rotatable fish engaging members arranged in opposed spaced relation at opposite sides of and adjacent the periphery of the carrier, the said rotatable members extending partially across the peripheral groove of the carrier, and a pair of laterally spaced rotatable fish cutting knives extending into the groove of the carrier between the rotatable members, the said knives being arranged for cutting engagement with the fish while they are engaged by the fish engaging members.

2,576,302
TIRE CHAIN APPLYING CLIP
Clay B. Lutz, Linthicum Heights, Md.
Application September 5, 1947, Serial No. 772,275
1 Claim. (Cl. 81—15.8)

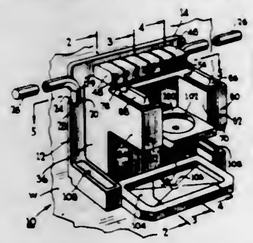
A tire chain mounting device comprising a pair of flat pieces each having a side arm depending

at right angles therefrom, said flat pieces being arranged in superposed position and being in frictional contact, the first of said pieces having an elongated slot therethrough, a pin secured to the second piece and guidedly extending through said slot whereby both pieces are pivotable one about the other and the distance between the side arms may be varied by sliding movement of



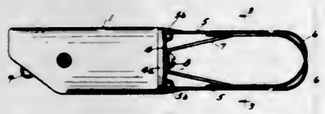
the pin within said slot, a second pin carried by the second of said pieces, the first piece having a series of slots along one edge thereof to receive said second pin and maintain the pieces in selected positions of adjustment, said side arms having their free end terminating in hook elements to which the tire chain is secured, and frictional retaining means between the cooperating faces of the pieces.

2,576,303
WALL RECEPTACLE
Nathan A. Matter, Morristown, N. J.
Application November 15, 1949, Serial No. 127,324
2 Claims. (Cl. 312—206)



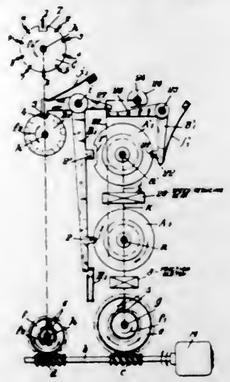
1. A wall receptacle comprising a wall plate, a tooth brush holder carried by said plate, a plurality of compartments carried by said plate, a pair of towel frames and a mounting member adapted to be affixed to a support, said member having vertically extending loops adjacent opposite ends thereof, said loops being offset forwardly from the member, the side edges of the wall plate including notches which pass the loops, said frames having dependent legs received in said loops.

2,576,304
WEEDLESS FISHHOOK
Ray R. McCrumb, Lansing, Mich.
Application September 29, 1949, Serial No. 118,490
1 Claim. (Cl. 43—35)



A fish lure including a plug body having line attaching means at its front end and a flat rear end, a back stop plate secured to the rear end of said plug body, opposed rearwardly extending stop bars secured to said back stop plate, interconnected hinges having opposed leaves mounted on said back stop plate engageable with said stop bars, opposed overlapping hooks having shanks secured to said hinge leaves, interconnected spring members mounted on said stop plate in superposed position on the interconnecting portions of said hinges and engageable with said leaves for normally and resiliently holding the same in engagement with said stop bars, and a common means for securing said back stop plate, the interconnecting portions of said hinges, and spring members to the flat rear end of said plug body.

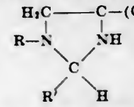
2,576,305
DEVICE FOR POSITIONING PARTS
Antoine Jean Meries, Paris, France
Application April 20, 1948, Serial No. 22,193
In France December 20, 1947
3 Claims. (Cl. 74—10.2)



1. A device for positioning a shaft journalled in a frame which comprises, in combination, a plurality of juxtaposed discs fixed on said shaft coaxially therewith, said discs being provided with notches in their peripheries located in different radial planes respectively, another shaft journalled in said frame, a speed reducing gear interposed between said two shafts having a gear ratio such that the second mentioned shaft turns through at most 360° for the maximum number of revolutions of the first mentioned shaft, a plurality of juxtaposed discs fixed on said second mentioned shaft coaxially therewith and provided with notches in their peripheries located in different radial planes respectively, each disc of the second shaft being located in the same plane as one disc of the first shaft, respectively, a plurality of levers each located in one of said planes, respectively, and pivoted in said frame about an axis parallel to said shaft, each lever being provided with two projections adapted to accommodate the notches of the corresponding discs, respectively, spring means operatively connected with said lever for urging said projections toward the peripheries of said discs, respectively, cam means for holding said levers out of contact from said discs, respectively, said cam means being adjustable to release only one of said levers at a time into engagement with the corresponding disc, selector means for adjustment of said cam means, a motor operative by said selector means for bringing said cam means into the selected position and rotating said shaft until the lever in operative position engages both of its projections into the respective notches of the corresponding discs and stops and locks said shaft in the desired position, the notch provided in each of the discs mounted on the second mentioned shaft being wider than the corresponding tooth, the angular play between said notch and said tooth being however smaller than the angular displacement of said last mentioned shaft that corresponds to one revolution of the other shaft, and a supplementary locking device for the discs mounted on the second shaft, this device being adapted to be brought into or out of action at will.

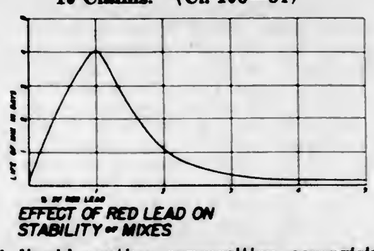
2,576,306
SUBSTITUTED IMIDAZOLIDINE COMPOUNDS AND METHOD FOR PREPARING THEM
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 28, 1948, Serial No. 46,726
5 Claims. (Cl. 260—309.6)

1. A composition of matter comprising substituted imidazolidines having the formula:



wherein R is a radical selected from the group consisting of alkyl and aryl and R′ is a radical selected from the group consisting of alkyl and furfuryl radicals.

2,576,307
COATING COMPOSITION AND METHOD OF MAKING
Peter Nordon, Bondi Junction, near Sydney, New South Wales, Australia, assignor to Industrial Metal Protectives, Inc., Wilmington, Del., a corporation of Delaware
Application August 10, 1948, Serial No. 43,520
In Australia August 12, 1947
10 Claims. (Cl. 106—84)

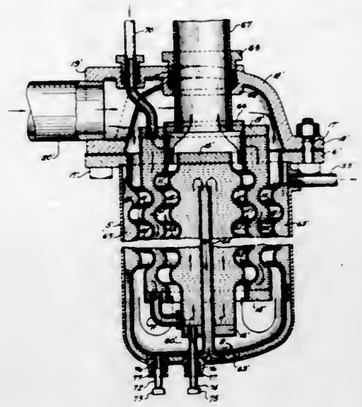


3. A liquid coating composition comprising a dispersion of zinc dust in an aqueous solution of alkali metal silicate having a ratio of alkali metal oxide to silica defined in moles of 1:2.4 to 1:3.0, said zinc dust being provided with a film or coating of at least one of the compounds selected from the group consisting of ammonium sulphide and ammonium carbonate, said film or coating being effective to prevent frothing and to increase the life of the mixture.

2,576,308
COATING COMPOSITIONS AND METHOD OF MAKING
Peter Nordon, Bondi Junction, near Sydney, New South Wales, Australia, assignor to Industrial Metal Protectives, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 30, 1948, Serial No. 52,129. In Australia October 2, 1947
13 Claims. (Cl. 106—84)

11. A liquid coating composition comprising a dispersion of zinc dust in an aqueous solution of alkali metal silicate and a higher oxide selected from the group consisting of hydrogen peroxide, lead peroxide, barium peroxide, sodium perborate, potassium chlorate, potassium periodate, manganese dioxide and sodium persulphate, said higher oxide being present in a minor proportion effective to prevent frothing and to increase the life of the mixture, the ratio of alkali metal oxide to silica defined in moles being 1:2.4 to 1:3.0.

2,576,309
HEAT EXCHANGER
Richard Ruemelin, Milwaukee, Wis.
Application January 14, 1949, Serial No. 70,970
2 Claims. (Cl. 257—228)



2. In an air drier, a substantially cylindrical outer shell having an open upper end and a closed lower end, a first tubular heat transfer element within said casing having an open upper end, the margins of which are sealed to the upper margins of said casing, and having a closed lower end, said element having its side wall and end wall spaced from and adjacent the side and end walls of the casing to form a cup-shaped first fluid chamber therebetween; a second tubular heat transfer element spaced concentrically within said first element and having open ends; a third tubular heat transfer element spaced concentrically within said second element and having open ends, said second and third elements being joined at their upper and lower margins to form a second fluid chamber therebetween; a fourth tubular heat transfer element spaced concentrically within said third element and having its upper and lower ends closed to form a third fluid chamber therein, there being a first annular air chamber between said first and second elements and a second annular air chamber between said third and fourth elements; a head for closing the upper end of said casing; an air inlet in said upper head and communicating with the upper end of said first air chamber, said first and second air chambers having communication at their lower ends; an air outlet projecting through said upper head and connected to the upper end of said third element and communicating with the upper end of said second air chamber; a fluid connection between the lower ends of said second and third fluid chambers; a conduit projecting upwardly from the end wall of said first element and through the lower end of said third fluid chamber to ad-

jacent the upper end thereof to provide communication between said first and third fluid chambers; a fluid inlet communicating with the upper end of said second fluid chamber; and a fluid outlet communicating with the upper end of said first chamber, said tubular heat transfer elements having sidewall portions formed with corrugations which impart to said air chambers and said second fluid chamber a serpentine shape in vertical section, and said elements being of such diametrical dimensions that each may be removed from the adjacent elements by coaxial relative movement.

2,576,310

FILTER BAG ATTACHING MEANS FOR DUST ARRESTING APPARATUS

Richard Ruemelin, Milwaukee, Wis.

Application September 24, 1949, Serial No. 117,556
2 Claims. (Cl. 183—51)



1. Attachment means for connecting a vertically extending tubular filter bag to a receptacle comprising a substantially horizontal receptacle wall portion extending transversely of the axis of the filter bag when the latter is attached, said wall portion having an opening therein; a ledge forming member surrounding said opening on the lower face of said wall portion to provide an annular pocket outwardly of the margin of the opening and including an annular portion which projects inwardly toward the axis of the opening in the receptacle wall, said annular portion of the ledge forming member having an opening which is of substantially less diameter than the diameter of the opening of said receptacle wall, said ledge forming member having a portion flared downwardly and outwardly from its opening to provide an annular skirt, and a deformable ring secured to the margin of the filter bag, said ring being normally of greater diameter than the opening of the receptacle wall, and said ring be positionable in said pocket to attach said filter bag to said receptacle.

2,576,311

METHOD OF REDUCING AND HYDROGENATING CHEMICAL COMPOUNDS BY REACTING WITH ALUMINUM-CONTAINING HYDRIDES

Hermann I. Schlesinger and Albert E. Finholt, Chicago, Ill.; said Schlesinger assignor of one-fourth to Edna M. Schlesinger and said Finholt assignor of one-fourth to Marion L. Finholt

No Drawing. Application June 3, 1947, Serial No. 752,286
27 Claims. (Cl. 260—638)

1. In the reduction of a chemical compound containing a reducible functional group including an atom other than hydrogen and carbon, the step which comprises associating the compound with a member of the class consisting of aluminum hydride and alkali metal aluminum hydrides at a reaction temperature sufficiently low that said member does not substantially thermally decompose during the reduction.

2,576,312

METHOD OF MAKING MINERAL WOOL

Leonard John Minnick, Cheltenham, Pa., assignor to Baldwin-Hill Company, Trenton, N. J., a corporation of New Jersey

No Drawing. Application August 16, 1948, Serial No. 44,580
7 Claims. (Cl. 106—50)

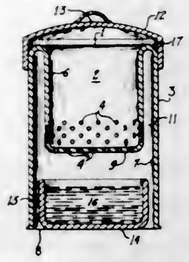
1. In the manufacture of mineral wool, the steps of adding to the cupola a charge of mineral wool-forming ingredients comprising agglomerated bodies in which particles of mineral wool-forming material are bound in a matrix comprising glauconite having a particle size no greater than 100 microns in an amount between 3% and 70%, melting said charge, and fiberizing the molten charge.

2,576,313

FOOD STEAM COOKER

Joseph J. Sullivan, Jamaica, N. Y.

Application March 1, 1948, Serial No. 12,380
1 Claim. (Cl. 126—376)



In a combined hot air and steam food cooker of the character described the combination for use with a source of heat of, an inner cylindrical food receptacle, a jacket encircling the inner receptacle, said jacket being spaced a uniform distance from the inner receptacle and the brim of the inner receptacle being flanged outward and being integral with the brim of the encircling jacket, said inner receptacle having a bottom wall, a series of perforations in said bottom wall and also a series of perforations in its cylindrical wall for a short distance up from its bottom, the perforations serving as a means of admission of steam and hot air to the inner receptacle, the wall of the encircling jacket extending downward a substantial distance beyond the bottom wall of the inner receptacle, and said encircling jacket being without a bottom wall, an independent water vessel serving as a source of steam to the inner receptacle and adapted to rest upon the source of heat and to be contained within the encircling wall of the jacket, said jacket and water vessel being separated by a narrow space through which hot air may rise to contact the inner receptacle from the source of heat, and a removable crown cover capping the encircling jacket.

2,576,314

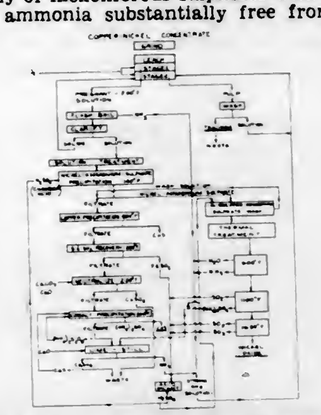
EXTRACTING OF NICKEL VALUES FROM NICKELIFEROUS SULFIDE MATERIAL

Frank A. Forward, Vancouver, British Columbia, Canada, assignor to Sherritt Gordon Mines Limited, Toronto, Ontario, Canada, a corporation of Ontario

Application November 6, 1948, Serial No. 58,644
8 Claims. (Cl. 23—190)

1. The method of extracting nickel values from nickeliferous sulphides which comprises the step

of leaching finely pulverulent material consisting essentially of nickeliferous sulphides with strong aqueous ammonia substantially free from am-



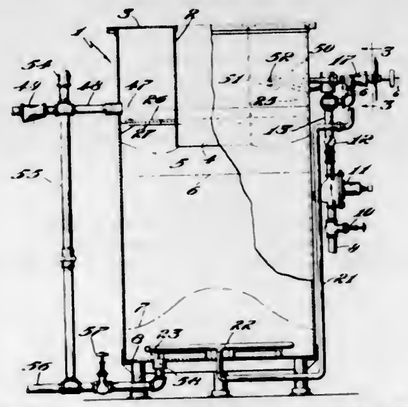
monium carbonate in a reaction zone, agitating the mixture in the reaction zone, and feeding an oxidizing gas into the agitated mixture during the leaching operation.

2,576,315

APPARATUS FOR PREPARING SOLUTIONS

Edward Swartz, Belmont, Mass.

Application January 20, 1948, Serial No. 3,297
1 Claim. (Cl. 23—272)



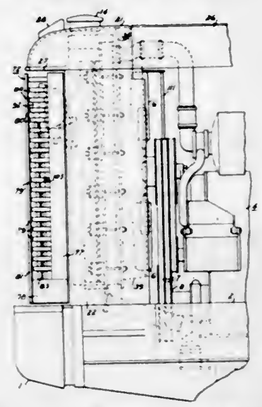
An apparatus for preparing aqueous salt solutions comprising a tank, hopper means extending downwardly into said tank for feeding salt to a bed therein and determining the height of said bed, means above the bottom of said tank for supporting a bed of salt thereon, a water inlet conduit, a branch conduit from said inlet conduit leading into the bottom of the tank and arranged therein with openings to give an uniform upflow of water over substantially the cross-sectional area of the bed, a second branch conduit extending into said tank above the outlet of the hopper having a plurality of openings to distribute water into the tank above the bed, an outlet conduit above the bottom opening of the hopper for determining the upper level of solution, and a common valve between said water inlet and said branch conduits constructed to regulate and adjust the relative flow through said branches to a desired concentration of solution for flow through said outlet.

2,576,316

RADIATOR INSTALLATION FOR MOTOR VEHICLES

Michael Toth, Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application November 28, 1947, Serial No. 788,335
1 Claim. (Cl. 180—68)



A motor vehicle front assembly comprising, in combination, a plate metal top section, a pair of upright plate metal side sections under said top section and connected with the latter to form an inverted U-shaped structure, said top section having an upwardly arched wall portion spanning said side sections, and a forwardly extended portion overhanging the front edges of said side sections and closed at its top, front and sides; means at the lower ends of said side sections for rigidly mounting said inverted U-shaped structure on a pair of transversely spaced frame members of a motor vehicle; a web member secured to and extending from the inner sides of said side sections and being dished to form a fan shroud within said U-shaped structure, said web member having an upper edge portion connected with the inner side of said upwardly arched wall portion, and being formed of plate material of substantial thickness so that said U-shaped structure will be substantially reinforced by said web member; and a pair of upright reinforcing angles positioned, respectively, at the inner sides of said side sections, each reinforcing angle having one of its flanges set on edge against and secured to said web member, and having its other flange set on edge against and secured to the respective side member.

2,576,317

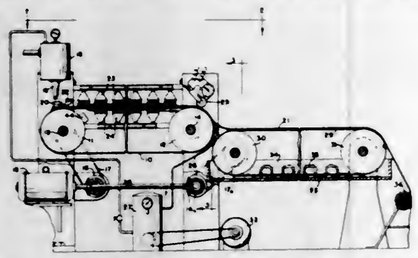
APPARATUS FOR PRODUCING SELF-SUPPORTING WRINKLE FILM

Harry A. Toulmin, Jr., Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

Application January 14, 1947, Serial No. 722,059
4 Claims. (Cl. 18—15)

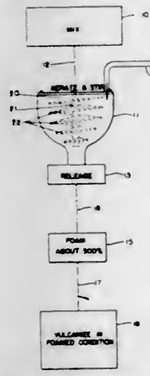
1. An apparatus for producing wrinkle finishes comprising an endless belt of stainless steel, driving means for said endless belt, means for dispensing a film of wrinkle coating composition onto said belt, heating means for baking said film on said belt, air nozzles for peeling said film from said belt and cooling said film, a second endless belt, driving means for said second belt, a container with cooling liquid, said second belt being arranged so as to receive the film peeled from

said first belt and pass through the cooling liquid in said container to further cool the film, and



means for receiving said film after it was hardened on said second belt.

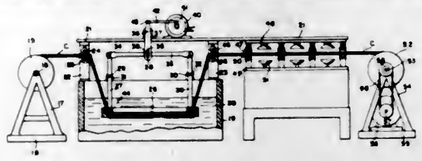
2,576,318
METHOD OF MAKING FOAM RUBBER
Harry A. Toulmin, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application September 19, 1949, Serial No. 116,537
3 Claims. (Cl. 260—723)



1. In the process for continuously producing sponge rubber products the steps comprising continuously introducing an aqueous compounded rubber dispersion having small amounts of polyvinyl methyl ether and ammonium caseinate therein at a pH of approximately 7 into a closed chamber, incorporating gaseous medium into the dispersion to produce an aerated product, continuously displacing the aerated product as formed axially of the chamber to an opening therein to gel said product and through an annular cross section shaping and curing zone, said annular cross section being progressively reduced to compensate for predetermined shrinkage.

2,576,319
COATING APPARATUS
Harry A. Toulmin, Jr., and Joseph E. Berman, Dayton, Ohio, assignors to Industrial Metal Protectives, Inc., Dayton, Ohio, a corporation of Delaware
Original applications March 22, 1948, Serial No. 16,348, and June 15, 1950, Serial No. 168,352. Divided and this application January 27, 1951, Serial No. 208,142
4 Claims. (Cl. 91—46)

1. Apparatus for coating chain with a protective and lubricating composition, said apparatus comprising a vat adapted to contain a coating composition, a pan below the level of said coating composition in said vat, means for oscillating said pan in the direction of movement of said chain, and means mounted on the pan for guiding a chain into and out of said pan, said pan guiding means being located adjacent the front



and rear ends thereof, said pan having an upper surface for supporting the individual links of said chain while the same is passing between the pan guiding means whereby to loosen the chain interlocks during the oscillating movements of said pan.

2,576,320
METHOD OF RECONDITIONING PAPER SURFACES
John Vlad and John R. Fisher, Jr., Dayton, Ohio, assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
No Drawing. Application May 1, 1946, Serial No. 666,539
1 Claim. (Cl. 117—2)

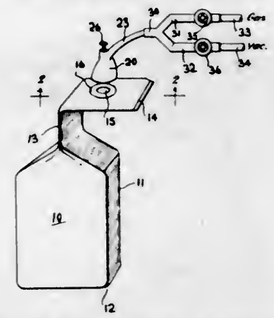
In a method of reconditioning the surface of a substantially uniform appearing opaque writing paper having a flaw thereon rendering a portion of the surface non-uniform appearing, the steps of applying to the said paper at said flaw only a mixture consisting of approximately 35 parts by volume of glycerin and approximately 65 parts by volume of ethyl alcohol, and thereafter drying the said paper whereby the said flaw is caused to disappear and the paper attains substantially the original overall uniform appearance.

2,576,321
FOOTBALL SIDE LINE MARKER
Charles F. Volz, Baltimore, Md.
Application November 10, 1947, Serial No. 784,945
1 Claim. (Cl. 273—55)



A marker to be used along the longitudinal edges of a football field, consisting of a circular disk having a flat top surface and a short depending centrally arranged stem having a terminal point whereby the marker may be driven in the ground, said stem having an internal hollow depression therein extending from the top surface of the disk and extending downwardly within the stem to a point considerably below the lower surface of the disk, to provide a space for receiving a stick and holding it therein tightly, said disk having a circular depending rim extending downwardly beyond the lower surface of the disk, the upper surface of the disk having distinguishing designs thereon, wherein the distinguishing design consists of embossed arms in quadrant formation, each arm terminating in a point at the periphery of the disk and bearing indicia whereby the particular arm pointed towards the field gives a visual indication of the down to be played.

2,576,322
BAG WITH VACUUM SEALED VALVE CLOSURE
Harry F. Waters, New York, N. Y.
Application July 5, 1947, Serial No. 759,066
2 Claims. (Cl. 229—62.5)



1. A flexible bag container for vacuum packaging, including a main body having a relatively long mouth portion having coincident plies, the outer ends thereof to be heat-sealed after the body is filled, one ply of the mouth portion being provided with an aperture, a two ply patch, one ply upon each side of the apertured mouth ply and covering the edges of the aperture thereof and each of the plies of the patch being provided with a vent opening registering with each other and the aperture, and a sealing patch to suction close the aperture of the outer ply of the two ply patch after a vacuum has been released.

2,576,323
HYDROPYRAN COMPOUNDS
Richard R. Whetstone, Orinda, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 28, 1949, Serial No. 96,141
9 Claims. (Cl. 260—333)

1. A chemical compound of the structure

$$Py—CH=Z_n$$

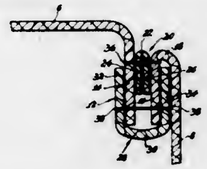
in which Py represents a radical selected from the class consisting of hydropyranyl and hydrocarbon-substituted pyranyl, n represents an integer having a value of from 1 to 2, inclusive, and Z represents

$$(CR_{n'-1}\,BB')$$

in which n' represents an integer equal in value to n, R represents one of the class consisting of the hydrogen and hydrocarbon radicals, and B and B' represent monovalent radicals independently selected from the class consisting of acyl radicals composed of carbon, hydrogen, and oxygen, carboxyl, cyano, carbamyl, N-alkylcarbamyl, carboalkoxy, chloroformyl, and carbometalloxy.

2,576,324
WELT SEAM
Erwin A. Wirt, Clifton, N. J., assignor to The Howard Zink Corporation, Fremont, Ohio, a corporation of Ohio
Application September 11, 1948, Serial No. 48,849
2 Claims. (Cl. 112—262)

1. A welt seam joining and finishing the parallel and juxtaposed edges of pieces of flexible sheet material comprising a welt member of U cross-section having a bight and flaps on both sides thereof, between the pieces of material adjacent such edges and parallel to such edges, the welt member consisting of a longitudinally folded tape, the bight of the welt member being positioned inwardly of the edges of the pieces of material, the outer surfaces of the flaps of the welt member lying parallel to and in contact with the inner surfaces of the pieces of material, the edges of the flaps of the welt member lying inwardly of the edges of the pieces of material but closer thereto than said bight, a binding strip of U cross-section having a bight and flaps on both sides thereof, said binding strip embracing the said edges of the pieces of material, the flaps of the binding strip overlapping a portion of the flaps of the welt



member, a first line of stitching located parallel to the said edges of the pieces of material, the welt member, and the binding strip and beyond the edges of the flaps of the binding strip, said first stitching extending through only one piece of material, the two flaps of the welt member, and the other piece of material, in that order, and lying closely adjacent the bight of the welt member, and a second line of stitching parallel to the first line of stitching and outwardly thereof, closer to the bight of the binding member, and beyond the edges of the flaps of the welt member, said second line of stitching extending through only one flap of the binding member, one piece of sheet material, the other piece of sheet material, and the other flap of the binding member, in that order.

2,576,325
BRUSH AND SCRAPER UNIT
Vernon D. Wood, Los Angeles, Calif.
Application August 6, 1948, Serial No. 42,975
3 Claims. (Cl. 15—111)



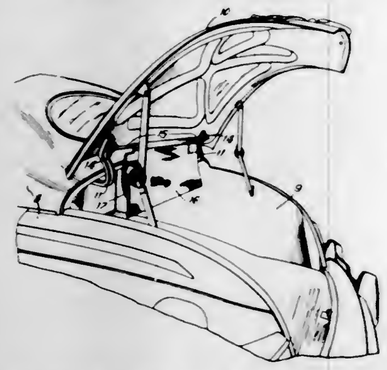
1. In combination, a brush having a twisted wire frame formed with a forward loop portion, relatively inclined and converging intermediate portions and substantially straight and contiguous rear portions, a handle on said straight portions, tufted bristles held on said loop; and a scraper having a body secured to the intermediate portions of the frame, and a blade extended forwardly over the bristles and disposed in a plane inclined relative to the plane of the loop for selective use when the device is disposed for engaging said blade with a surface to be cleaned.

2,576,326
TABLE TARGET GAME APPARATUS
Jerome L. Wostrel, Pico, Calif.
Application August 29, 1949, Serial No. 112,978
5 Claims. (Cl. 273—126)



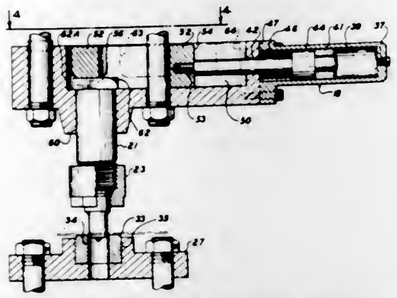
3. In a game apparatus of the class described wherein quoits are used by the players, in combination, a horizontal platform having an opening through it, a bracket supported by said platform and projecting downwardly therefrom, a horizontally extending lever rockably supported between its ends by said bracket, a vertically extending arm having its lower end portion pivotally connected to one end of said lever, the upper end portion of said arm projecting through the aforesaid opening through said platform, the latter end portion of said arm being diametrically reduced at two places thus providing two spaced apart annular shoulders the upper of which is of less diameter than the lower, a horizontal lower plate resting on said lower shoulder and a horizontal upper plate resting on said upper shoulder, said plates being small enough to be contained within said opening through said platform and being spaced far enough apart to receive thrown quoits between them, the lower of said plates normally being supported by the aforesaid lever in a position wherein it occupies the opening through said platform with its upper face flush with the surface of the latter, the quoits used in playing the game each being sufficiently heavy so that when a quoit is deposited on said lower plate while normally positioned it will lower said plate and the arm which carries it to a position wherein the upper plate is flush with the upper surface of the platform.

2,576,327
AUTOMOBILE TOOL KIT
Benjamin T. Wright, Oak Park, Ill., assignor to Wright Motors, Inc., a corporation of Illinois
Application September 17, 1947, Serial No. 774,627
3 Claims. (Cl. 224—42.45)



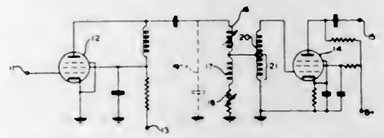
1. In combination with an automobile body having a luggage compartment with a cover mounted to the body by hinge members to swing on a horizontal axis, a supporting rod mounted on the hinge members distanced from the hinge axis, and a pendant tool container hung from said supporting rod.

2,576,328
PUNCH PRESS
William L. Allison, Phoenix, Ariz., assignor to Allison Steel Manufacturing Company, Phoenix, Ariz., a company of Arizona
Application September 10, 1949, Serial No. 114,999
3 Claims. (Cl. 164—104)



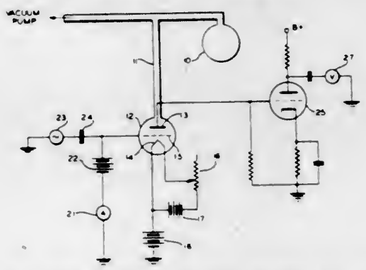
1. In a punch press of the continuously oscillating type and including a table, a cross head oscillatable perpendicularly to the table, the combination comprising a body member affixed to the lower end of the cross head and having an elongated cavity extending transversely of the axis of oscillation and opening against the bottom face of the cross head, a bore in the bottom of said body member opening into said cavity adjacent an end thereof, a punch slidably mounted through said bore and having on its inner end an enlarged head of larger diameter than said bore, a gag slidably mounted in said cavity, the gag being shorter than said cavity but of substantially the same cross section and having a notch in the bottom thereof extending from its inner end to form an overhanging projection insertable between the bottom of said cross head and the top surface of said enlarged head to fill the space therebetween, hydraulic means for displacing said gag in the direction of said enlarged head, spring means for retracting the gag, and a foot operated valve for controlling the operation of said hydraulic means.

2,576,329
VARIABLE BAND WIDTH CIRCUIT
Persa R. Bell, Jr., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 3, 1946, Serial No. 666,876
5 Claims. (Cl. 179—171)



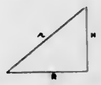
1. A variable bandwidth coupling circuit for electronic amplifiers comprising, a variable inductance, a fixed inductance, a variable resistance, said elements connected in series in the order named, the self-capacitance of said elements in combination with said inductances forming a parallel resonant circuit, and a second fixed inductive element impedance coupled to said resonant circuit at the junction of said first fixed inductance and said variable inductance, the magnitude of said first fixed inductance determining the relative gain of said coupling circuit at different bandwidths, the magnitude of said variable resistance substantially determining the pass band of said coupling circuit, and the magnitude of said variable inductance substantially determining the center frequency of said pass band of said coupling circuit.

2,576,330
IONIZATION GAUGE
Edward R. Beringer, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application December 10, 1945, Serial No. 634,117
7 Claims. (Cl. 175—183)



1. An electronic ionization gauge for measuring gas pressures comprising a bulb, a plate, a cathode and a grid enclosed in said bulb, a source of alternating voltage connected between said grid and said cathode, means for returning said plate to a substantially fixed potential negative with respect to said cathode and said grid, and voltage indicating means in circuit with said plate and actuated by the voltages on said plate for providing an indication of pressure within said bulb.

2,576,331
BOMBSIGHT COMPUTER
Richard N. Close, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application November 27, 1945, Serial No. 631,172
8 Claims. (Cl. 33—46.5)

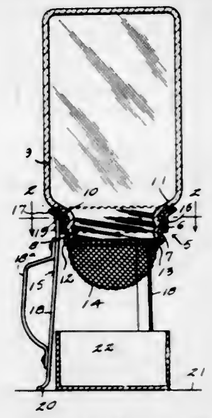


1. In an aircraft bombing system comprising radio object locating apparatus for indicating on an oscilloscope screen the position of a target with respect to the aircraft in terms of the height, horizontal range, and slant range, and a bombsight including a motor having a shaft for continuously varying the elevation angle of a telescope whereby said telescope may continuously track the target, a potentiometer having a resistance characteristic between its movable arm and one terminal characterized by the relationship

$$\sqrt{x^2+1}-1$$

x being the displacement of the movable arm with respect to said terminal, a resistance connected in series with said potentiometer, a source of potential connected across said serially connected potentiometer and resistance, means for varying the current flowing through said serially connected potentiometer and resistance whereby the voltage developed across said resistance is proportional to the height of the aircraft, means interconnecting said shaft and said movable arm for positioning said arm in accordance with the rotation of said shaft, means contained in said radio object location system for generating a marker signal, means for indicating said marker signal on the screen of said oscilloscope, and means for utilizing the voltage developed at the arm of said potentiometer to control the position of said marker signal whereby when the speed of said motor shaft is adjusted so that the marker signal is superimposed on the target signal displayed on said oscilloscope, said motor has a displacement proportional to the ratio of the horizontal range to the height and causes said telescope continuously to track the target, and the voltage developed at the movable arm of said potentiometer is proportional to the slant range of the target, thereby providing coincidence between the target signal and said marker signal.

2,576,332
STRAINER
Josephine Derck, Sparta, Mich.
Application April 8, 1949, Serial No. 86,319
2 Claims. (Cl. 210—163.5)

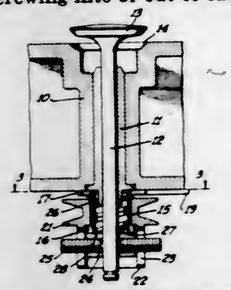


1. A strainer or colander comprising a foraminous body member having an open upper end, a jar having a neck engaging in the open upper end of the foraminous body member, a support including an endless member in which said upper end of the foraminous member is mounted and by which the jar is supported in an inverted position above the foraminous body member, said support having legs secured to and depending from said endless member and adapted to rest on a supporting surface for supporting said foraminous member between the legs and in an elevated position, said foraminous member comprising a substantially hemispherical portion of mesh wire fabric and a substantially rigid ring secured to the annular edge of the mesh wire fabric and forming the jar neck engaging portion thereof.

2,576,333
VALVE GRINDER
Frank Lester Earll, Los Angeles, Calif.
Application June 27, 1949, Serial No. 101,570
3 Claims. (Cl. 51—29)

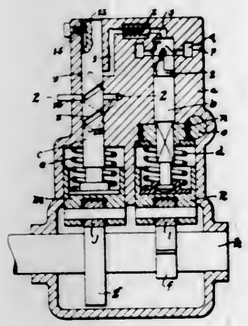
1. A valve grinder comprising means providing a spring housing adapted to be applied to a

valve stem adjacent an engine manifold, means for holding the spring housing against rotation on a supporting structure, a pulley rotatable on the spring housing, clamping means applicable to a valve stem having an axially movable but non-rotatable connection with the pulley, a pair of aligned helical compression springs in the spring housing having open convolutions and capable of screwing into or out of each other, one



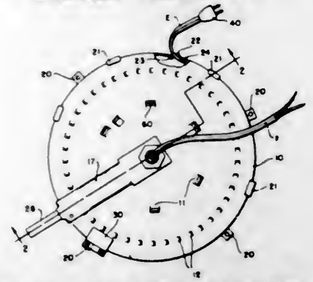
spring having its remote end anchored in the spring housing and the other spring having its remote end anchored on the clamping means whereby when the pulley is rotated in one direction the springs will unscrew from each other and be cooperatively effective to urge the valve stem to seat its head and upon rotation of the pulley in the opposite direction the springs will screw into each other enabling the valve head to be lifted from its seat and means to rotate the pulley alternately in opposite directions.

2,576,334
LIQUID FUEL PUMP
Fraser Mackie Evans, Acton, London, England, assignor to C. A. V. Limited, London, England
Application August 15, 1949, Serial No. 110,428
In Great Britain August 21, 1948
3 Claims. (Cl. 103—2)



1. A pump for supplying liquid fuel to the cylinders of a multicylinder engine, comprising in combination a body part having a fuel inlet and a fuel outlet in communication with a bore in the body part, a pump plunger slidable in said bore to admit fuel from said inlet to said bore, and to discharge fuel from said bore to said outlet, said plunger being also capable of angular adjustment for varying the pump output, a plurality of spaced fuel delivery passages, a distributor having a pair of relatively movable parts by which said outlet is successively connectible to said delivery passages, said relatively movable parts being respectively provided with annular and helical circumferential grooves which are arranged to co-operate with each other for controlling communication between said outlet and said delivery passages, a rotary member provided with cams for imparting reciprocatory motion to said pump plunger and to one of said relatively movable parts of said distributor, and means for imparting angular adjusting movements to said pump plunger.

2,576,335
ELECTRIC CORD ADJUSTING REEL
Benjamin O. Fanslow, Rockville Centre, N. Y.
Application December 10, 1946, Serial No. 715,185
4 Claims. (Cl. 242—97)

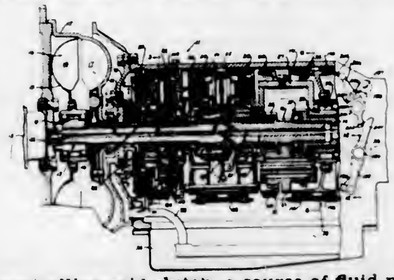


1. An electric cord package comprising a length of cord and a reel therefor; said reel comprising a hollow pivot piece, a first member fixed to said pivot piece and having a cord outlet guide fixed at its periphery, a second member rotatable relative to said pivot piece, said second member having a lug structure fixed thereon extending towards said first member and providing an annular support between the pivot piece and the outlet guide, said pivot piece having a hole communicating with the space between said members; and an electric cord which has a part located in the pivot piece and in said hole, a part of predetermined length in said space and inside said lugs, and a part passing through the lug structure, and with the major part of said cord extending from said last-named part and to the exterior through said cord outlet guide; said package in wound-up condition having said major part presenting outer convolutions upon said lugs and said part of predetermined length as inner convolutions upon the pivot piece, with said inner and outer convolutions being wound in opposite directions and with the number of said outer convolutions being essentially twice the number of said inner convolutions.

2,576,336
MULTISPEED AUTOMATIC TRANSMISSION
Eugene J. Farkas, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 23, 1946, Serial No. 649,617
9 Claims. (Cl. 74—645)

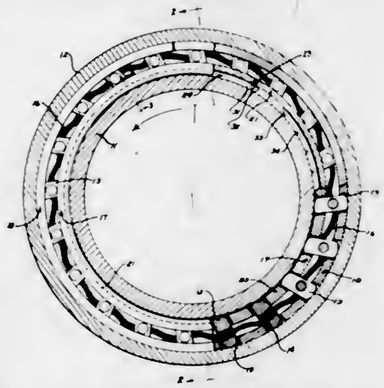
1. In a variable speed power transmission, in combination, a power shaft, an intermediate shaft, a load shaft, a multiple planetary gearing system between said intermediate and load shafts comprising planet pinions mounted on a planet carrier rotatably supported about the axis of the intermediate shaft and respectively meshing sun gears, means associated with said multiple planetary gearing system automatically operable under predetermined conditions of speed to

change from one ratio to another, a single planetary gearset between said power shaft and said multiple planetary gearing system, a clutch arranged to lock two of the elements of said single planetary gearset together, fluid pressure means



for controlling said clutch, a source of fluid pressure, a valve rotatable with one of said elements and controlling the flow of fluid from said source to said fluid pressure means, and means shifting said valve relative to said last-mentioned element to alter the operation of said clutch.

2,576,337
OVERRUNNING SPRAG TYPE CLUTCH
Eugene J. Farkas, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application January 25, 1947, Serial No. 724,347
1 Claim. (Cl. 192—45.1)



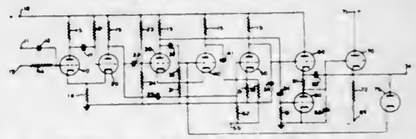
A one way clutch for connecting inner and outer coaxial races comprising a plurality of tiltable grippers interposed between the races, radially spaced inner and outer cages each having a pair of axially spaced annular side rims integrally interconnected by a plurality of circumferentially spaced cross members holding the grippers in spaced relationship, the internal diameter of the side rims of said inner cage being slightly greater than the external diameter of said inner race to provide a slight clearance therebetween, each side rim of said inner cage having an annular groove formed therein with the grooves being rectangular in cross section and opening only into the radially inner surface of said rims to face said inner race, each of said grooves having a greater radial dimension than its axial dimension, an annular metallic band of rectangular cross section received within each of the grooves in said inner cage, each band having an axial dimension corresponding to the axial dimension of said grooves and slidably contained therein and a radial dimension slightly less than the radial dimension of said grooves to provide clearance in the bottom of said grooves when the bands are seated therein, each band consisting of a single convolution extending slightly less than 360° in circumference and in its free position having an internal diameter slightly smaller than the external diameter of said inner race so that when the cages and bands are assembled over the inner race the bands lightly engage the inner race throughout their entire circumferential extent, and anchoring means within each of said grooves anchoring one end of each of said bands to said inner cage so that in one direction of rotation each single convolution band is expanded away from said inner race into the clearance space provided in the bottom of the groove and in the opposite direction of rotation is wound into tighter functional contact with the inner race to energize said inner cage and apply a rotating force to said grippers tending to rotate each of the grippers about its own axis into locking engagement with the inner and outer races.

2,576,338
BATH BRUSH
Bessie B. Gamble, Clovis, N. Mex.
Application February 18, 1949, Serial No. 77,153
2 Claims. (Cl. 15—160)



1. A bath brush comprising a brush head, elongated handles projecting from each end of the brush head, an enlargement on the outer end of each handle, said brush head and handles being formed of a relatively flexible material, and a plurality of tufts of bristles embedded in and anchored to the brush head and having end portions projecting outwardly from spaced portions of one side thereof, said brush head and handles being integrally formed, and reinforcing means extending longitudinally through the brush head and handles, said reinforcing means comprising a plurality of strands of rope material disposed in side by side relationship extending longitudinally through the brush head and having twisted end portions extending therebeyond and forming ropes disposed in the handles and in the enlargements for reinforcing and strengthening the brush head and handles.

2,576,339
VARIABLE RATE SWEEP VOLTAGE GENERATOR
John W. Gray, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 3, 1945, Serial No. 586,419
5 Claims. (Cl. 250—27)



1. In sweep voltage developing apparatus, a multivibrator circuit including a plurality of thermionic tubes, means for impressing onto said mul-

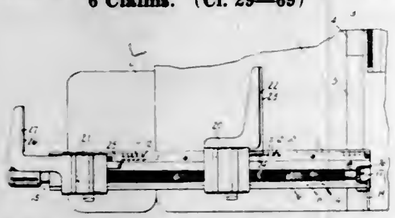
tivibrator a control voltage for determining the relative conducting time of each of the tubes in said multivibrator, a second multivibrator circuit, means for initiating the action of the second multivibrator circuit in accordance with the action of the first multivibrator circuit, a coincidence circuit, means for impressing electrical signals from both of the said multivibrator circuits upon the coincidence circuit whereby the coincidence circuit responds to the difference in time duration of the signals applied from said multivibrators, variable impedance means including a thermionic means, means for controlling the value of said impedance means in accordance with the response of the coincidence circuit, energy storage means, means for controlling the rate of storage of energy in said energy storage means in accordance with the value of said impedance means, and means for impressing a portion of the energy stored in said energy storage means onto the second of said multivibrator circuits to control the relative times of operation of the thermionic means therein.

2,576,340

SAW GAUGE

Lee C. Hammond, Kalamazoo, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan

Application May 10, 1946, Serial No. 668,742
6 Claims. (Cl. 29—69)



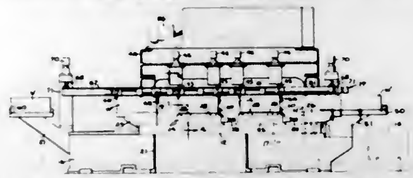
1. In a saw gauge, the combination with a saw table, of a gauge bar slidably mounted on said table, said gauge bar being of upwardly facing channel section and provided with a pica scale and with a primary set of scale numerals and a secondary set of scale numerals constituting a numerical continuation of the primary set of scale numerals, said secondary set of scale numerals being associated with the pica scale and being in lapping relation to a plurality of the scale numerals of the primary set, a feed screw rotatably mounted within the channel of said gauge bar and exposed at the top thereof and provided with an adjusting finger piece at its outer end, a chambered main gauge finger slide slidably and detachably mounted on the flanges of said gauge bar and provided with a pointer operatively associated with the primary scale numerals when the slide is engaged with the gauge bar, a spring biased feed nut pivotally mounted within said slide and provided with a finger piece projecting at the front of the slide, said feed nut being positioned to engage the rear and underside of the feed screw and acting to hold the slide upon the gauge bar, said finger piece facilitating the disengagement of the nut from the feed screw permitting free longitudinal adjustment of the slide on the gauge bar and the removal of the slide from the gauge bar, and an auxiliary gauge finger slide slidably and removably mounted on said gauge bar and provided with a pointer operatively associated with the secondary set of scale numerals when the auxiliary slide is mounted upon the gauge bar, said auxiliary slide being provided with a gauge finger laterally offset from its pointer by a distance exactly equal to the number of pica which said primary and secondary scale indicia overlap numerically and to extend beyond the gauge bar when the auxiliary slide is towards the outer end of its adjustment on the gauge bar, and a spring biased feed nut pivotally mounted within said auxiliary slide and provided with a finger piece projecting at the front of the slide, said feed nut being positioned to engage the rear and underside of the feed screw and acting to hold the slide upon the gauge bar, said finger piece facilitating the disengagement of the nut from the feed screw permitting free longitudinal adjustment of the slide on the gauge bar and the removal of the slide from the gauge bar, both said gauge slides having depending front flanges lapped upon the front flange of said gauge bar and opposing the action of said springs.

2,576,341

AUTOMATIC TRANSFER MACHINE TOOL

Hans T. R. Hanitz, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application April 21, 1948, Serial No. 22,464
3 Claims. (Cl. 90—21)



1. In a machine tool organization, the combination of, a horizontal work table reciprocable back and forth between advanced and retracted positions, first and second fixtures secured to said table and spaced apart along the latter a distance equal to the stroke of the table, said fixtures being adapted to receive and release workpieces by movement of the latter transversely of the path of movement of said table, elements mounted on said fixtures for movement relative thereto into and out of engagement with the workpieces therein to clamp the latter in the fixtures or release the same for said transverse withdrawal, three transfer devices disposed adjacent and spaced apart along said table distances equal to the stroke of the latter so that two of said devices will be disposed opposite the respective work fixtures when said table is in advanced position or in retracted position, power operated mechanism supporting said transfer devices for movement transversely of the table toward and away from the workpieces in said fixtures, each of said devices including a pair of movable gripping members, and a power actuator movable with said mechanism and operable to move said gripping members into and out of engagement with a workpiece in one of said fixtures in the advanced position of the transfer device whereby to pick up the engaged workpiece and support the same during retraction of the device away from the fixture.

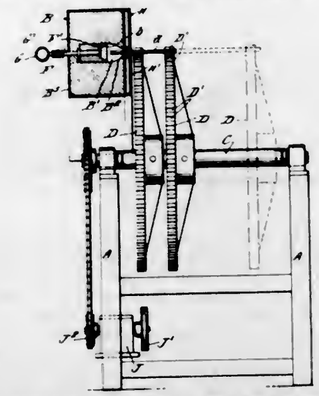
2,576,342

APPARATUS FOR HEATING SELECTED PORTIONS OF ELONGATED WORKPIECES IN A CONTINUOUS PROCESS

Frederic O. Hess and Fred Maud, Philadelphia, Pa., assignors to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application February 13, 1947, Serial No. 728,320
6 Claims. (Cl. 263—6)

3. Heating apparatus comprising structure including a number of spaced apart rotatable members having a common axis of rotation and provided with substantially aligned recesses at the peripheries thereof for supporting and carrying elongated articles with the ends thereof projecting beyond said members to move said articles in succession from a loading station at one side of the vertical plane of the axis of rotation to a region at the opposite side of such vertical plane at which the articles are adapted to be discharged, stationary magnetic means including spaced apart curved elements arranged to attract and hold the articles in the recesses during movement thereof from the loading to the unloading station, the outer peripheral surfaces of the elements extending between said loading and unloading stations and being adjacent to the inner surfaces of the articles when the latter are held in the recesses, means for driving said rotatable members in synchronism in a direction from the loading to the unloading station, and heating means having a chamber into which the ends of the articles project as they are being moved by said members to apply heat directly to each of the elongated articles, while being carried from the loading to the unloading station, only at portions threeof which are out of physical contact with the rotatable members.

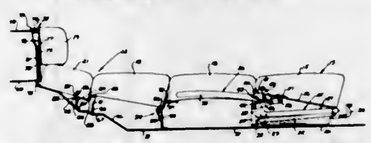


2,576,343

AUTOMOBILE SEAT CONSTRUCTION

Thomas L. Hibbard, Birmingham, and Stephen J. Galia, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application June 6, 1946, Serial No. 674,828
4 Claims. (Cl. 155—7)



1. In a vehicular seat construction in which the front seat back is capable of reclining and forming with the back seat a substantially horizontal surface, a vertical panel secured to the vehicle floor adjacent to and parallel with the front edge of the rear seat, a bracket comprising a vertical leg member fastened to said vertical panel and a second leg member hinged to the first leg member at the level of the top of the vertical panel and capable of rotation into a position in which said second leg member can support the top edge of the front seat back in the completely reclining position, said second leg member being in turn supported upon the top of the vertical panel.

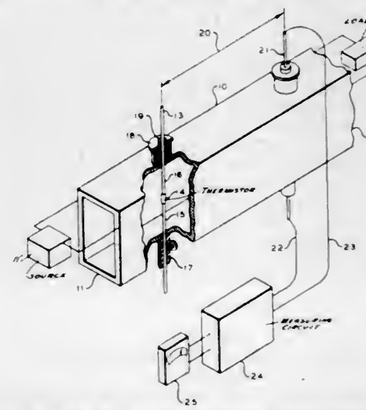
3. A reclinable seat structure comprising an adjusting handle secured to an externally threaded screw, an internally threaded tube engaging the externally threaded screw and telescoping within a tubular housing, a connecting rod joining the internally threaded tube to an adjusting arm and securing the tube against rotation, a cross shaft supporting the adjusting arm and rotatable thereby, links rigidly secured to the ends of the cross shaft provided at the end remote from the cross shaft with an aperture arranged to receive a pin designed to support a seat cushion and provided intermediate its ends with a second link, and a seat back frame terminating at its lower end in a bifurcated member the upper tine of which is secured to said second link.

2,576,344

MICROWAVE WATTMETER FOR WAVE GUIDES

Robert A. Howard, Pasadena, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

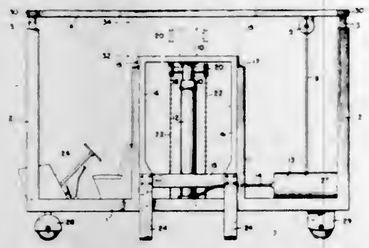
Application March 5, 1946, Serial No. 652,194
5 Claims. (Cl. 171—95)



3. A radio frequency power measuring system comprising, a rectangular waveguide, a source of electromagnetic energy, a load, said waveguide conducting said electromagnetic energy from said source to said load, said load being substantially matched to said waveguide to produce a minimum of reflections, a first temperature sensitive resistor having two conducting leads, said first resistor mounted in the center of a transverse section of said waveguide, said resistor being supported in said waveguide by said conducting leads, said leads extending substantially parallel to the broad dimension of said waveguide and extending through the walls of said waveguide, means insulating one of said leads from said waveguide, a resistance bridge adapted to measure changes in resistance connected to said first temperature sensitive resistor, an indicating instrument responsive to said resistance bridge for indicating the power in said waveguide, and a second temperature sensitive resistor, said second resistor mounted similarly to said first resistor in said waveguide, said second resistor being mounted at a distance from said first resistor substantially equal to an odd num-

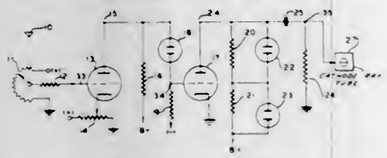
ber of quarter wavelengths of the electromagnetic energy within the waveguide, said distance measured along the length of said waveguide.

2,576,345
STRADDLE LIFT TRUCK
Raymond W. Jacob, Chicago, Ill.
Application May 6, 1948, Serial No. 25,395
2 Claims. (Cl. 214—75)



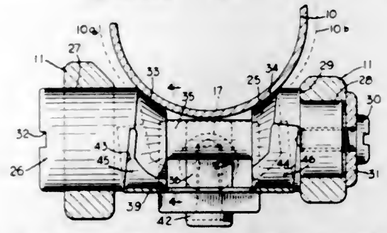
1. A material handling device comprising two parallel vertical frames, wheels attached to the bottom of said frames, a horizontal framework, means for mounting said framework in sliding relation with respect to the vertical frames, an hydraulic pump mounted on one of the vertical frames, a source of power for actuating said pump, a first vertical cylinder mounted on the same vertical frame as the pump, a second cylinder mounted on the opposite vertical frame, means for conducting hydraulic fluid from the pump to said first cylinder, a flexible tube for conducting hydraulic fluid from the hydraulic pump to said second cylinder, means mounted on said horizontal framework for taking up the slack in said flexible tube, pistons mounted in said first and second cylinders, means for guiding said pistons, pulley systems mounted at the tops of each of said pistons, separate chains passing through said pulley systems, one end of each chain being secured to its respective vertical frame, and the other end being secured to a lifting claw.

2,576,346
ELECTRICAL MARKER GENERATOR CIRCUIT
Lawrence H. Johnston, Rural, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,043
12 Claims. (Cl. 343—118)



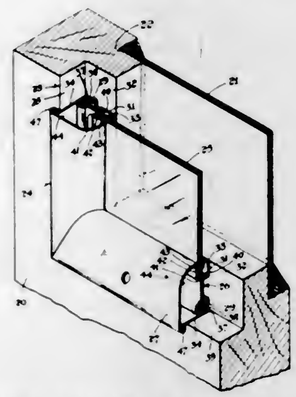
1. An electrical marker generator circuit for a cathode ray tube, comprising rotating antenna means; control voltage generator means coupled to said antenna means, for generating a voltage that varies linearly in amplitude with the angular position of said rotating antenna means; pulse forming means coupled to said generator means; means connected to said pulse forming means for preventing its operation until said voltage generator means produces a voltage equal to a given potential level above a given reference potential level; and means for coupling the output of said pulse forming means to said cathode ray tube, whereby an angular position marker pulse for said cathode ray tube is produced.

2,576,347
GUN TELESCOPE MOUNTING
Burr W. Jones, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application October 11, 1950, Serial No. 189,645
5 Claims. (Cl. 33—50)



1. In a gun telescope mounting having a bracket secured to a gun barrel and yieldable means for securing a telescope to the bracket to permit horizontal and vertical movements of the telescope, the combination of a support member mounted on the bracket to turn about an axis, said member having a helical groove formed therein, the opposite surfaces of the groove being inclined towards each other to form a substantially V-shaped seat for the telescope, the yieldable means urging the telescope onto said seat, the axis of the helical groove being substantially coincident with the first-named axis, and means for turning the member whereby the helical groove will effect lateral adjustments of the telescope.

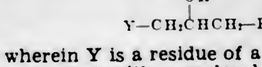
2,576,348
SASH FRAME
Charles M. Kinghorn, Montreal, Quebec, Canada, assignor to Cresswell Roll Forming Company Limited, Montreal, Quebec, Canada
Application January 29, 1947, Serial No. 725,007
9 Claims. (Cl. 20—55)



1. In a sash assembly comprising a main sash frame recessed about the inner marginal portion and a supplementary sash frame fitted in said recess, said supplementary sash frame comprising a hollow outer frame member recessed about its inner marginal portion to receive a glazing panel and an inner frame member provided with a flange projection at its inner marginal portion, said inner and outer frame members being detachably fitted together to provide a glazing channel between the recessed portion of said outer member and the flange of said inner member with said inner frame member having its flange projection butted against one wall of the main sash recess so that when the assembled supplementary sash frame is secured in the recess of the main sash frame pressure is applied to the inner frame member to cause said flange to bear against the glazing panel.

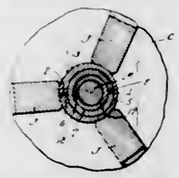
2,576,349
WATER - SOLUBLE SULFUR - CONTAINING ORGANIC MERCURY COMPOUNDS HAVING DIURETIC PROPERTIES AND PROCESS FOR PREPARING SAME
Robert A. Lehman, New York, N. Y., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
Application January 11, 1949, Serial No. 70,381
13 Claims. (Cl. 260—431)

1. Water-soluble sulfur-containing organic mercury compounds having diuretic properties and conforming to the general formula



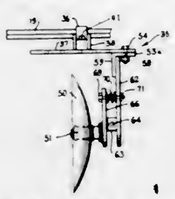
wherein Y is a residue of a water-soluble organic compound with a molecular weight below 1000, R is selected from the group consisting of hydrogen and alkyl radicals containing not more than six carbon atoms, and X is a residue of an organic sulfhydryl compound with a molecular weight below 1000 selected from the group consisting of the saturated and unsaturated straight and branch chain hydrocarbons, the saturated and unsaturated carbocycles, the saturated and unsaturated nitrogen, oxygen and sulfur heterocycles of not over four rings and the carbon, hydrogen, oxygen, nitrogen and sulfur-bearing substitution products of the aforesaid hydrocarbons, carbocycles and heterocycles, and is attached to the rest of the molecule through linkage of the sulfhydryl sulfur atom with the mercury atom.

2,576,350
SPRING CHUCKING DEVICE
Joseph Mazzola, Washington, D. C.
Application November 24, 1947, Serial No. 787,836
3 Claims. (Cl. 279—6)



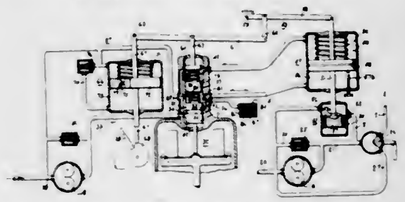
2. A chucking device comprising a first split sleeve member, the circumferential and inner wall surfaces being eccentric with respect to the longitudinal axis thereof, a second split sleeve member rotatably received within said first sleeve member and having an enlarged knurled flange, a plurality of angularly spaced grooves in said flange and said second sleeve member to impart flexibility thereto, the circumferential and inner wall surfaces of said second sleeve member being eccentric with respect to each other, and a collet comprising a split sleeve received within said second sleeve member and having a longitudinal bore and a concentric outer surface whereby said first sleeve member may be clamped in the jaws of a chuck thus clamping a work piece in said collet and the concentricity of said work piece with respect to the true center of said chuck being adjusted by relative rotation between said first sleeve member and said chuck and between said first and second sleeve members to compensate for wear in said chuck and accurately center said work piece said knurled flange facilitating such adjustment.

2,576,351
TRACTOR MOUNTED DISK CULTIVATOR
Noonan B. Milton, Fort Pierce, Fla.
Application October 27, 1947, Serial No. 782,257
5 Claims. (Cl. 97—54)



1. In an agricultural implement, a transversely extending tool bar, a plurality of soil engaging tool units attached to said bar, said tool units comprising a horizontal plate member detachably fixed to said bar, a depending web member serving as a tool shank attached to said horizontal plate member, a spindle pivotally connected to said tool shank member for movement about a horizontal axis in a plane extending transversely from said web member, an extension member rigidly affixed to and extending upward from said spindle, compressible resilient means coupled between said extension member and said depending web member and means opposing said resilient means for limiting relative pivotal movement between said extension member and said web member.

2,576,352
FUEL GOVERNOR FOR JET ENGINES
Robert A. Neal, Media, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 15, 1947, Serial No. 774,075
6 Claims. (Cl. 60—39.28)



1. In a fuel system for a gas turbine, the combination of, a fuel pump driven by the turbine, a passage for delivering fuel from the pump for operation of the gas turbine, first and second by-pass passages for the delivery passage, a by-pass valve for the first by-pass passage, a control valve movable from a position opening the second by-pass passage and interrupting the delivery passage to a position opening the delivery passage and closing the second by-pass passage, a device for operating the by-pass valve, said device in-

cluding a spring for moving said by-pass valve in the direction to increase by-passing and means responsive to pressure for moving the by-pass valve against the force of the spring in the direction to reduce by-passing, a relay movable from neutral position by changes in forces applied thereto to vary the pressure of liquid supplied to said device, a spring exerting force on the relay in the direction for increase in liquid pressure acting on said device to reduce by-passing, a governor operated by the turbine and exerting its force on the relay in opposition to that of the relay spring and in the direction for decrease in the liquid pressure acting on said device to increase by-passing, an abutment for the relay spring, follow-up means operated by said device to move the relay spring abutment to change the relay spring force until the latter balances the governing force with the relay restored to neutral position, a throttle lever, and mechanism operated by movement of the throttle lever over the initial portion of its travel to move the control valve from its position interrupting the fuel delivery passage and opening the second by-pass passage to its position opening the delivery passage and closing the second by-pass passage and operable by further movement of the lever in the same direction to adjust the follow-up means to change the speed setting of the relay spring.

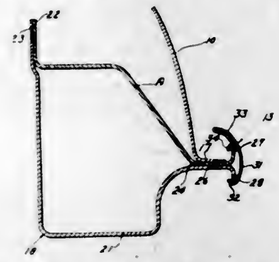
2,576,353
SAFETY REPLACEMENT COVER FOR CATCH BASINS
Oscar Walter Nelson, Duluth, Minn.
Application June 2, 1949, Serial No. 96,732
1 Claim. (Cl. 182—31)



As a new article of manufacture, a safety replacement cover unit for catch basins having a cover seat, said unit comprising a shallow open tray having an outer rim and a reticulate bottom, a flange around the upper peripheral edge of said rim to engage said seat and support said tray with a major portion thereof below said seat, a substantially quarter round annulus on the outer edge of said cover and extending from the inner edge of said flange inwardly and downwardly to insure proper seating of said tray in said basin, an annular seat formed on the inner edge of said rim, said last mentioned seat being formed in substantial horizontal alinement with and adjacent said flange, a circular cover for said tray, said cover being seated on said last mentioned seat, said cover being in substantial horizontal alinement with said rim, a plurality of radial ribs on the under side of said cover, said ribs having substantially vertical ends to provide stops to prevent the slipping of said cover off said tray.

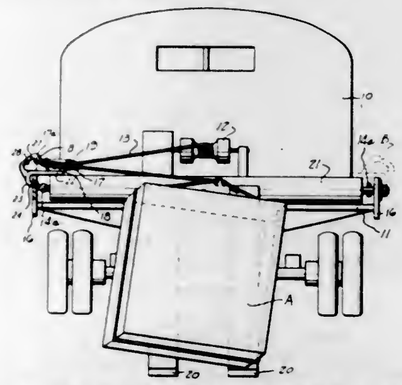
2,576,354
VEHICLE ROOF CONSTRUCTION
John Oswald, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 2, 1949, Serial No. 74,114
2 Claims. (Cl. 296—137)

1. In a vehicle roof construction, a longitudinally extending roof rail formed of two stampings secured together, said stampings having horizontal flanges extending outwardly therefrom in juxtaposition and secured to each other, a roof panel having a generally horizontal flange extending outwardly therefrom and joined to the aforesaid horizontal flange of the upper of said



roof rail sections, and the flange of the upper section of said roof rail being bent upwardly adjacent its outer edge to form with said roof panel a channel shaped gutter.

2,576,355
PULLEY BLOCK ADAPTER DEVICE
Daniel J. Parmesan, Houston, Tex., assignor to Well Equipment Mfg. Corp., Houston, Tex., a corporation of Texas
Application October 13, 1948, Serial No. 54,283
4 Claims. (Cl. 105—369)

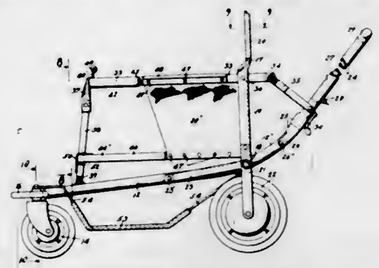


1. An adapter device for mounting a pulley block comprising, a flat relatively wide base plate, a hook element at one end of the base plate, a lug on the free end of the hook element of lesser width than the hook element and base plate and disposed in a plane below the base plate, a reinforcing rib extending between the free end of the hook element and the underside of the base plate and of a lesser lateral projection than the lug on said free end of the hook element, and a connecting eye secured to the upper surface of said base plate.

2,576,356
FOLDING VEHICLE FOR BABIES
Arnold E. Peterson, Glendale, Calif.
Application September 5, 1947, Serial No. 772,312
5 Claims. (Cl. 155—22)

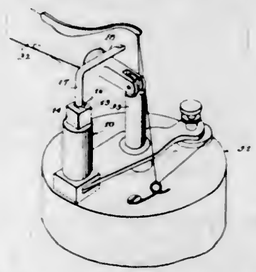
5. In a folding vehicle of the character referred to, a main underlying body member having supporting casters at its forward end and having its rearward end turned upwardly, a handle extension hingedly connected with the rearward end of said body member and foldable forwardly

and downwardly from its normal position, two side members pivotally connected through said body member, said side members having carrier wheels at their lower ends below said body member, and being extended vertically and having a seat back extended from one to the other, a top frame pivotally connected at its opposite sides to said side members, a vertical link member pivotally connected at its upper end to the front part of said frame and at its lower end pivotally con-



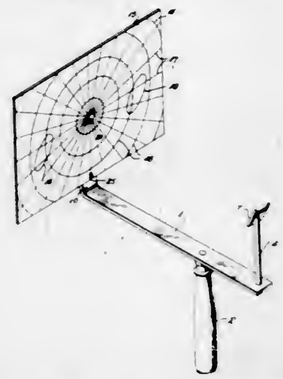
nected to said main body member, a seat board suspended by fabric back and sides from said top frame member, said seat board having a narrow front end movably supported on said vertical link member, and a connecting and folding link from the handle extension to the rearward part of said top frame, and operable to fold said side members, top frame, seat board and vertical link forwardly and downwardly as said handle extension is folded forwardly for collapsing said vehicle into folded condition.

2,576,357
PRESSER FOOT LIFTING ATTACHMENT FOR SEWING MACHINES
Lee C. Preston, Oakdale, Calif.
Application March 3, 1950, Serial No. 147,420
6 Claims. (Cl. 112—239)



1. A presser foot lifting attachment for sewing machines comprising a barrel member having a bore extending longitudinally therethrough provided with a restricted upper end, means adapted for detachably connecting the opposite, lower end of the barrel member to the upper end of a sewing machine presser foot bar, a rod extending upwardly from the barrel member and having an angularly disposed free end forming an arm adapted to be normally disposed above the end of the sewing machine lever which is connected to the needle bar and in the path of oscillating movement thereof to be engaged by the lever when the needle bar is elevated for lifting the barrel member and presser foot bar, and means detachably keying the other end of the rod in the barrel member for supporting said angularly disposed free end above the sewing machine lever and at an angle thereto or to one side of and substantially parallel to the sewing machine lever.

2,576,358
PORTABLE TANGENT SCREEN
Roland I. Pritikin, Rockford, Ill.
Application November 4, 1949, Serial No. 125,476
1 Claim. (Cl. 88—20)

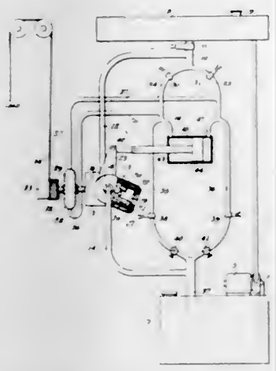


A portable and collapsible ophthalmological eye testing device comprising a support member, a hand support element removably mounted on said member, said member provided with an angularly extending and removable eye-piece at one end thereof, a screen support member provided with a threaded aperture extending right angularly from said member at the opposite end thereof, a rigid, black, markable screen, said screen being of a metal subject to magnetism, means to removably mount said screen on said support member, said means comprising a U-shaped channel on the bottom edge of said screen, a pin on said member for insertion in said channel and a bolt member having a flat, exposed face in the center of said screen adapted to engage said threaded aperture, said screen being inscribed with a center marking and radial and concentric markings, and means for measuring tangential vision on said screen comprising a tangential target to be superimposed upon said screen in various positions, said tangential target comprising a circular disc provided with a projection for hand manipulation, said disc having magnetic means mounted upon one side thereof, said disc having a colored center marking on the opposite side thereof, whereby said disc may be positioned upon said screen and maintained in fixed position thereon by said magnetic means.

2,576,359
HOIST CONTROL MECHANISM
Tracy J. Putnam, Beverly Hills, Calif.
Application October 8, 1949, Serial No. 120,265
8 Claims. (Cl. 60—53)

1. A system for controlling ascending and descending movement of an elevator or hoist load that comprises: a reservoir for fluid, a tank, low-power means for transferring fluid from the reservoir to the tank under pressure, a variable displacement pumping and driving unit connected to the load, a high-pressure line extending between said tank and said pumping and driving unit, a low-pressure line extending between said reservoir and said pumping and driving unit, and

means to control the flow of fluid through said unit from the high-pressure line to the low-pressure line, said means comprising a member movable in response to fluid pressure from said tank and connected to the pumping and driving unit to set the latter to pump and drive at one rate,



and counteracting pressure means connected to and supplied from said unit to oppose said movement of said member to automatically reset the unit to pump and drive at a constant rate according to the magnitude of the load when ascending and descending, selectively.

2,576,360

HUNTING QUIVER FOR HUNTING ARROWS

James C. Ramsey, Lincoln, N. Mex.
Application April 5, 1948, Serial No. 19,097
3 Claims. (Cl. 150—1.5)

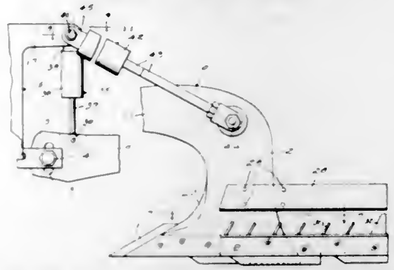


1. In an arrow quiver having a frame and a cover for the frame, said frame including a circular band intermediate its length, the improvement comprising an inverted U-shaped member, one leg of which is secured to and conforms to the shape of said circular band, the other leg of said member having indentations at intervals along its surface to receive arrow shafts, a clip fixed to the base of said U-shaped member at each indentation and extending over the indentation to hold the arrow shaft below its feathering, whereby the feathering will be spaced from contact with the quiver cover.

2,576,361

TREE ERADICATOR AND SUBSOILER

Lee Allen Rath, Harrold, Tex., assignor of one-third to Vollie John Jones, one-sixth to Frank E. Smith, and one-sixth to N. Alex Bickley, all of Abilene, Tex.
Application July 23, 1947, Serial No. 762,953
1 Claim. (Cl. 97—226.1)

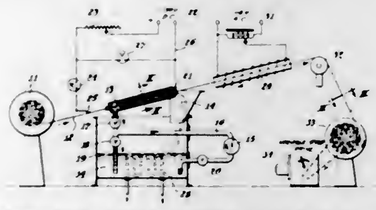


An earth moving implement as set forth comprising an elongated beam adapted to be connected at its forward end to the rear of a tractor, a V-shaped plow member of uniform triangular cross section carried by the rear of said beam, sharpened cutting plates extending the length of the forward edge of the triangular member the full length of both legs of the V, additional plates secured along the full length of the front and rear of the underside of the triangular member, an upwardly and rearwardly extending cutting member carried by the point of said plow member, upwardly and rearwardly extending root combing bars carried by said plow member, certain of said bars being positioned on either side of the apex of said plow member of triangular cross section, upwardly extending root cutting blades carried by the divergent ends of said plow member, a pair of rearwardly divergent windrow blades carried by said beam above said plow member, means securing said windrow blades to said beam, means extending transversely between said windrow blades for bracing the latter, and downwardly extending T-shaped guiding members having the head of the T inset in the lower surface of said plow member, said guiding members providing a plurality of spaced parallel sharp edged blades extending from the lower side of said plow member on each side of the apex thereof and disposed in parallel relation to the length of said beam.

2,576,362

ELECTROPHORETIC METHOD OF COATING WIRE WITH GRAPHITE

Henry W. Rimbach, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 8, 1947, Serial No. 778,703
1 Claim. (Cl. 204—181)

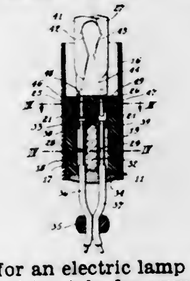


The method of coating wire comprising passing said wire through a bath consisting of about 1% of graphite suspended in a solution consisting of water and about .3% of wetting material of the group consisting of alkali metal salts of the alkyl aryl sulfonates and the alkyl sulfonates, and electrophoretically depositing graphite thereon with said wire connected as an anode.

2,576,363

SOCKET FOR SERIES LAMPS AND STRING THEREOF

Clair Michael Rively and Henry W. Rimbach, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 17, 1947, Serial No. 748,776
2 Claims. (Cl. 315—122)

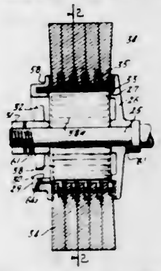


1. A socket for an electric lamp having contact elements, comprising tabs for connectively receiving said contact elements, leads extending from said tabs for connection to a source of power, and material which is normally substantially non-conducting disposed between said leads adjacent said tabs, said material consisting of preoxidized 20–30 mesh manganese, moistened with a binder selected from the group consisting of water-admixed plaster of Paris and sodium silicate solution to form a slurry, and cementing said tabs in the socket.

2,576,364

FORCED DRAFT BUFFER

Morris Schloss, Bronx, N. Y.
Application September 26, 1947, Serial No. 776,302
5 Claims. (Cl. 51—193)

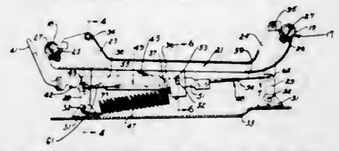


1. In a device of the character described, in combination, a rotary spindle, a hollow drum of greater diameter than said spindle, means to support said drum concentrically on said spindle whereby a chamber is formed within said drum about said spindle, said drum having louvres forming openings through the periphery thereof to said chamber, an annular buffer comprising a plurality of fabric layers supported on said drum and having interstices between individual layers forming radial passages throughout said buffer, the inner edges of said individual fabric layers being in engagement with said drum whereby said interstices are disposed in communication with said louvres, said louvres having inclined blades adapted to force air from said chamber out under pressure through said louvres and said radial passages.

2,576,365

ADJUSTABLE VEHICLE SEAT

Edwin D. Scott, Plymouth, and Elmer A. Herider, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application June 5, 1946, Serial No. 674,570
9 Claims. (Cl. 155—14)



8. Adjusting mechanism for a vehicle seat of the type having a generally rectangular frame, comprising, a longitudinally extending brace at each side of said seat frame extending between the front and rear rails of said frame and connected thereto, a pair of generally vertical links pivotally connected to each of said braces adjacent the front and rear ends thereof, brackets mounted upon the floor of the vehicle and pivotally connected to the lower ends of said links, brackets depending from said braces near the middle thereof, supporting means mounted upon said brackets for limited movement in a vertical direction, a pair of oppositely positioned S-shaped hollow tubes extending beneath said seat frame and said braces and connected at opposite ends to said supporting means, flexible wires extending through said tubes and connected at their ends to said links at points between the pivotal axes of said links and in horizontal alignment with the points of connection between said tubes and said supporting means, said tubes and wires being arranged so that the rearward end of each wire is connected to the rearward link at one side of said seat and the forward end connected to the forward link at the opposite side of said seat, spring means for urging said seat forwardly, and a locking lever pivotally mounted upon one of the brackets depending from said brace and having means engageable with a pin carried by one of the forward links to lock said seat in one of a plurality of adjusted positions.

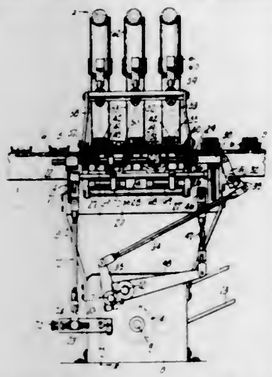
2,576,366

BISCUIT LOADING MECHANISM FOR CONVEYERS

John W. Smith, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Company, Battle Creek, Mich.
Application May 7, 1947, Serial No. 746,535
32 Claims. (Cl. 198—59)

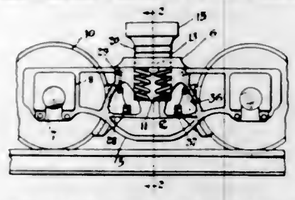
1. A biscuit loading machine for loading stacks of biscuits on the flights of a continuously moving conveyor comprising, a base arranged to be positioned under said conveyor and having a plurality of rock shafts journaled therein and extending beyond each side thereof, a pedestal secured to each side of said base and extending upwardly on each side of said conveyor, a carriage on each of said pedestals and slidable longitudinally thereon parallel to said conveyor, crank and link mechanisms connected between said carriages and cranks on the ends of one of said rock shafts for oscillating said carriages, slide members slidable transverse-

ly of said carriages, other crank and link mechanisms associated with each of said slide members arranged to oscillate said slide members from another of said rock shafts, said last mentioned mechanisms having sliding connections with said slide members so as to be operable independently of longitudinal movement of said carriages, a plurality of vertically disposed loading hoppers supported on each of said carriages on each side of said conveyor, the lower ends of said hoppers defining transverse openings, a plurality of loading bars removably secured to said slide members and reciprocable therewith to be advanced through said openings in said hoppers toward said loading conveyor, the inner ends of said loading bars being notched outwardly, stop plates adjustably secured to the inner sides of said hoppers to limit the height of the openings therein, elevator members slidable vertically on said carriage members, linkage connected between each of said elevator members and cranks on the ends of a third of said rock shafts for oscillating said elevator members, said last mentioned linkage having radially adjustable connections with the cranks on said third rock shaft to vary the amplitude of oscillation of said elevator members, pairs of lift members carried by said elevator members and arranged to be reciprocated thereby along each side of said loading bars into said hoppers, a longitudinal support on each of said carriages positioned above said loading bars and defining inclined journals opposite each of said hoppers, a plurality of loading chutes having their inner ends associated with the upper ends of said hoppers and having pivotal connections with said journals, a fixed support on each of said pedestals, each of said loading chutes having a fixed pivotal connection on one of said fixed supports, a driving shaft in said base arranged to be driven in timed relationship to said conveyor and having three cam disks thereon, said cam disks defining cam grooves, and a crank arm on each of said rock shafts and having cam rollers thereon arranged to be actuated by said cam grooves.



2,576,367
RAILWAY TRUCK BOLSTER-CAR BOLSTER CONNECTION
Benjamin Spearman, Montreal, Quebec, Canada
Application May 12, 1948, Serial No. 26,609
1 Claim. (Cl. 105—199)

In combination, a car including a car bolster, a car truck comprising an integrally moulded frame structure including spaced side truck frame members separated by a transversely extending truck bolster as a single unit, a pair of spring supporting pockets moulded into said truck bolster member intermediate its opposite ends, means pivotally mounting said car bolster on the central portion of the truck bolster for support of the central portion of said car bolster against vertical movement relative to said truck bolster,



and a plurality of resilient side bearing supporting springs arranged in each spring supporting pocket to resiliently engage side portions of the car bolster to resist side tilting of the car bolster about its central pivotal mounting.

2,576,368
HAIR DRIER COMBINED WITH COMB
Richard Steiner, New York, N. Y.
Application July 30, 1949, Serial No. 107,667
2 Claims. (Cl. 132—14)

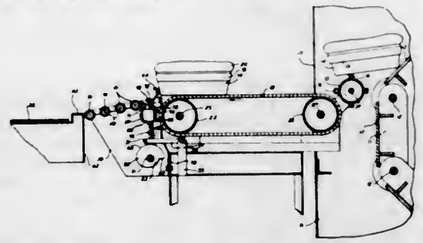


1. A hair drier comprising a housing which consists of a cylindrical member that is closed at each end by a cup-shaped member, one of said cup-shaped members having an air inlet while the other has an air outlet that extends transversely over its bottom portion and has an outwardly extending flange section, a blower unit positioned within said housing for drawing a stream of air through said housing and forcing it out of said air outlet, electrical air heating means disposed in the path of the air stream within that cup-shaped member of the housing which is provided with the air outlet, a comb having a recessed back portion within whose recess is heated the flange section of said air outlet and having teeth which are extended outwardly from said air outlet in the direction of the air stream, and clamping means engaging opposite end portions of said flange section and of the back of said comb.

2,576,369
TRAVELING OVEN UNLOADER
Merlin A. Sticelber, Kansas City, Mo., assignor to Stickelber & Sons, Inc., a corporation of Missouri
Application September 19, 1949, Serial No. 116,451
20 Claims. (Cl. 198—79)

1. Apparatus for unloading a traveling oven, comprising a plurality of conveyors extending

therefrom, a conveyor extending transversely to said plurality of conveyors, and means for controlling transfer of pans from said plurality of conveyors to said transversely extending conveyor at spaced points along said transverse conveyor, said means including a releasable barrier associated with each of said plurality of conveyors, and means for individually releasing said barriers including timing means associated with each of said plurality of conveyors, means for



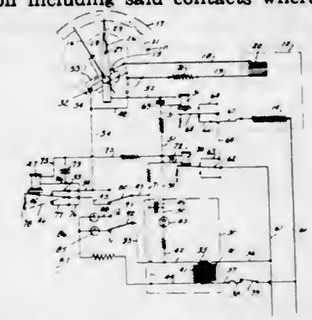
operating said timing means in predetermined timed relation, means for locking said barriers against movement in a releasing direction responsive to said timing means, and means for holding said locking means against movement into locking position, said locking means being moved into engagement with said holding means by engagement of a pan with the barrier associated therewith while said locking means is out of locking position.

2,576,370
INTERPOLYMERIZATION
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 18, 1949, Serial No. 82,296
11 Claims. (Cl. 260—23)

1. A method of copolymerizing a castor-oil maleate ester with a copolymerizable monoolefinic compound to form a soluble, convertible copolymer, which comprises carrying out the said copolymerization in the presence of from 6 to 120 moles of a mono-aldehyde selected from the group consisting of unsubstituted aliphatic aldehydes and alpha-olefinic aldehydes having from 2 to 10 carbon atoms, per mole of castor-oil maleate, and an organic peroxidic polymerization catalyst.

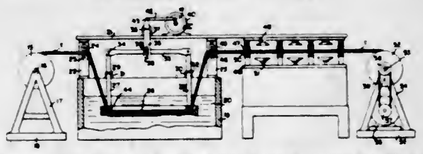
2,576,371
ELECTRICALLY OPERATED CONTROL DEVICE
Bradley R. Thompson, South Euclid, and George E. Hammond, Euclid, Ohio, assignors to Simplytrol Products Company, Chagrin Falls, Ohio, a corporation of Ohio
Application October 16, 1948, Serial No. 54,964
3 Claims. (Cl. 236—69)

1. In an electric control system for controlling temperature in ovens and the like, a thermocouple responsive to the temperatures to be controlled, an ammeter having a moving coil, connections between said coil and said thermo-couple whereby said coil is energized and moved in response to changes in temperature in the region of the thermo-couple, a source of power, a heating element connected with said source of power, means including an electrically operated relay connected to disconnect said source of power from said heating element, a supplemental source of electric energy, an indicator secured to said moving coil, a relatively fixed indicator, contacts carried by respective indicators, and a circuit between said source of energy and said relay including said contacts, whereby the meeting of said contacts energizes said relay and disconnects the heating element from its source of power, a second coil movable with the first named coil, a circuit between said source of power and said second coil including said contacts whereby the



meeting of said contacts energizes said second coil and applies a contact closing torque to said movable indicator, an electric relay interposed in the circuit to the second coil, connections between said relay and said source of energy, said relay including means to break said last named connection when the relay becomes energized and to establish the circuit to the second named coil, means to return the relay, and means to retard the opening and closing movements of said relay.

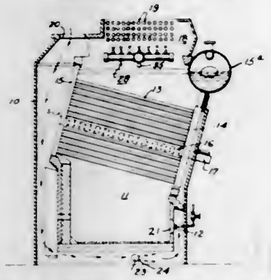
2,576,372
METHOD FOR MANUFACTURING COATED CHAIN
Harry A. Toulmin, Jr., and Joseph E. Berman, Dayton, Ohio, assignors to Industrial Metal Protectives, Inc., Dayton, Ohio, a corporation of Delaware
Original application March 22, 1948, Serial No. 16,348. Divided and this application June 15, 1950, Serial No. 168,352
3 Claims. (Cl. 117—99)



1. In the manufacture of a chain consisting of interlocked links, the method which includes the steps of continuously guiding said chain into a bath of a coating composition consisting of finely comminuted zinc 90% of which is capable of passing through a 400 mesh Tyler sieve and is of an average particle size under 6 microns suspended in sodium silicate the ratio of sodium oxide to silica defined in moles being in the range of approximately 1:2.3 to 1:3.0 to immerse a portion of said chain in said bath, maintaining a section of the immersed chain portion composed of a plurality of links in a substantially horizontal plane for a substantial distance while simultaneously imparting a back and forth rocking movement to said horizontally arranged submerged section in the direction of movement of the chain, and subjecting successive sections of horizontally arranged chain links to a back and forth rocking movement as the chain is moved through said bath to loosen

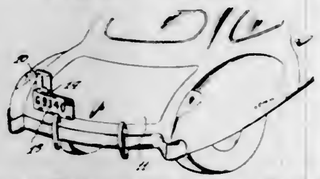
the said interlocks between the adjacent links, and to completely cover said links with said composition, withdrawing said covered portions of the chain, and setting the covering thereon by heating to a temperature of about 250° F.

2,576,373
OIL-BURNING BOILER FIRE BOX WITH AIR AND STEAM FEEDING MEANS
Frederick Wetzel, Beaverton, Oreg.
Application November 7, 1947, Serial No. 784,645
2 Claims. (Cl. 158—4)



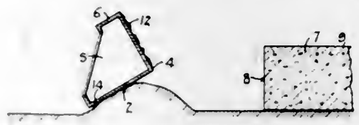
1. In a steam boiler comprising a fire box, an oil burner operatively associated with said fire box for directing fuel thereinto, and an air duct communicating with said fire box adjacent said burner for directing a large volume of relatively low velocity air into the fire box in the vicinity of the burner, a steam pipe extending through the air duct in a direction transverse to the flow of air therethrough, a plurality of nozzles projecting from said pipe and extending generally in the direction of said flow, and means for introducing superheated steam to said pipe.

2,576,374
LEARNER (DRIVER) DISTINGUISHING PLATE
Percy Whitwell, Brooklyn, N. Y.
Application October 8, 1949, Serial No. 120,257
1 Claim. (Cl. 40—125)



A learner distinguishing plate adapted to be connected to the license plate of a vehicle and a piece of flexible material folded over the bottom edge of the plate, a strip extending across the flexible material and about the ends of the plate to hold the same secure on the bottom of the plate, said flexible material extending upwardly over the back of the plate, a strap connected to the upper end of the plate and across the flexible material and around the edges of the plate whereby to hold the flexible material at the top of the plate, said flexible material adapted to be bent downwardly over the front of the plate, said flexible material at its bottom edge foldable upwardly in the front of the plate and having snap fasteners thereupon, other snap fastener elements being connected to the opposite end of the flexible material to hold that part which extends out over the front of the plate against displacement from the front of the plate.

2,576,375
METHOD OF HANDLING CONCRETE FORMS
Hughes E. Williams, Waco, Tex.
Application July 1, 1949, Serial No. 102,561
1 Claim. (Cl. 25—155)



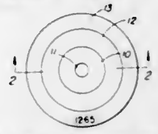
A method of handling the steel side rail channel shaped forms having a side used in the laying of concrete pavement wherein the forms are placed with the side wall in vertical position to retain the concrete, the concrete poured and permitted to set against the vertical side wall, the steps of, knocking each individual form loose from the concrete, rolling the forms so that the inside wall face which supported the concrete will face downwardly upon the ground at the side of the strip of concrete, hooking adjacent forms end to end with a chain or flexible connection, connecting a power unit to the first form and dragging a string of the forms thus connected along the pavement right of way to a location where the forms are to be again used, and accomplishing the scouring of adhering concrete particles from the side face of form due to the dragging on the ground whereby the forms are transported without lifting, are deposited in position for re-use in cleaned and scoured condition.

2,576,376
DRILLING BIT FOR WOOD OR THE LIKE
Harry C. Wilson, Sherman Oaks, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application December 11, 1946, Serial No. 715,425
6 Claims. (Cl. 145—116)



1. A bit of the character described including two elements joined into a permanent unit, one element including a central elongate shank having a smooth lower end portion round in cross sectional configuration and having a feed screw projecting downward from its lower end portion, the other element including a substantially flat disc-like head fixed in an inclined position on the lower end portion of the shank adjacent the screw and having a peripheral cutting lip at its lowermost portion and having a blade with a cutting edge, the head having a smooth central bore receiving said end portion of the shank.

2,576,377
PROTECTED RING GAUGE
Wenzel M. Wochos, Jr., Elgin, and Roger F. Waindle, Batavia, Ill., assignors to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application June 3, 1946, Serial No. 673,998
1 Claim. (Cl. 33—178)



A ring gage having a ring gage member composed of sapphire and being susceptible to damage upon shock if dropped and expansible upon heating, said member having a gaging hole of predetermined size and shape extending therethrough, a stiff protective metal ring surrounding and spaced from said gage member, and a cushioning sleeve between and connected to said member and body for forming an inseparable unit assembly therewith, said sleeve being composed of a resiliently elastic soft rubber of low heat conductivity; said unit assembly having essentially the same axial thickness throughout.

2,576,378
CERAMIC DIELECTRICS COMPRISING ESSENTIALLY TITANIA
Jack Woodcock and John Kenneth Paridge, Stourport-on-Severn, England, assignors to Steatite and Porcelain Products Limited, a corporation of Great Britain
No Drawing. Application July 20, 1948, Serial No. 39,807. In Great Britain August 6, 1947
7 Claims. (Cl. 106—39)

1. A dielectric body constituting the product resulting from the firing of a powdered mixture comprising predominantly titania and containing between 0.22 and 17% by weight of thoria and a quantity of magnesia at least equal to the molecular proportion of the thoria.

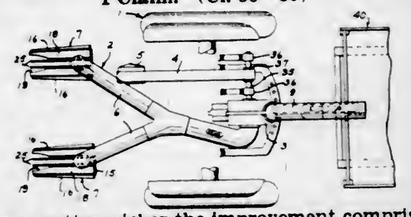
2,576,379
CERAMIC DIELECTRICS COMPRISING ESSENTIALLY TITANIA
Jack Woodcock and John Kenneth Paridge, Stourport-on-Severn, England, assignors to Steatite and Porcelain Products Limited, a corporation of Great Britain
No Drawing. Application July 20, 1948, Serial No. 39,808. In Great Britain August 6, 1947
9 Claims. (Cl. 106—39)

1. A dielectric body constituting the product resulting from the firing of a powdered mixture comprising predominantly titania and containing cobalt oxide in a quantity not greater than 15% by weight.

2,576,380
CERAMIC DIELECTRICS COMPRISING ESSENTIALLY TITANIA
Jack Woodcock and John K. Paridge, Stourport-on-Severn, England, assignors to Steatite and Porcelain Products Limited, a corporation of Great Britain
No Drawing. Application November 10, 1948, Serial No. 59,416. In Great Britain November 17, 1947
14 Claims. (Cl. 106—39)

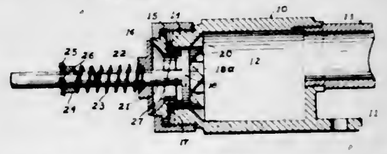
14. A dielectric body constituting a fused product comprising 0.25 to 15% by weight of nickel oxide and 0 to 15% of a compound from the group consisting of thoria and zirconia with the remainder substantially a titanate selected from the group consisting of magnesium, calcium, strontium and barium titanates.

2,576,381
COTTON STRIPPER
Lemuel T. Wright, Brownfield, Tex.
Application November 30, 1945, Serial No. 631,814
1 Claim. (Cl. 56—30)



In a cotton picker the improvement comprising a stripper head having a forward stripping portion and a rearward receiving portion, said head including a support member, guides attached to said member and extending forwardly therefrom in spaced relation, each of said guides having a sidewall and a lower inwardly flanged portion, the forward portion of said flanged portions providing forwardly diverging guide surfaces in the forward stripping portion so that cotton plants are guided centrally within the head as the head moves forwardly about the plants, L-shaped guide members secured to the support and extending in parallel spaced relation downwardly therefrom, the horizontal portion of said L-shaped guide members extending forwardly in spaced relation with and intermediate said flanged portions whereby the cotton plants are resiliently engaged and cotton bolls are stripped therefrom as the head moves over the cotton plants, upwardly extending stripper projections in side-by-side relation on said guides and L-shaped guide members intermediate the ends thereof to effect initial stripping action within the head, and a suction pipe extending into said head and proximate said stripper projections whereby supplemental stripping action is effected from air entering the pipe about the stripper projections.

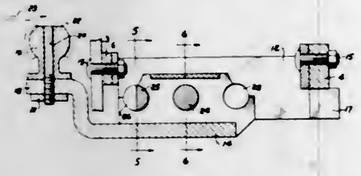
2,576,382
AUTOMATIC VALVE FOR APPLYING AIR BRAKES
Robert Joseph Adams, Ashland, Ky.
Application June 28, 1946, Serial No. 680,210
2 Claims. (Cl. 277—42)



1. In a valve of the character described, an elongated hollow cylindrical body having a fluid inlet at one end and its other end reduced and provided with an axial bore constituting an outlet for the fluid, an annular flanged member threaded on said reduced end, a piston valve within said bore, a stem extending from said piston valve outwardly through the bore, a bonnet encircling the stem and having a portion interposed between the flanged member and the reduced end of the body, a gasket interposed be-

tween a portion of the bonnet and the adjacent reduced end of the body, a flange inturned from the inner perimeter of said gasket and disposed within and against the wall of said bore to provide a seat for said piston valve, a valve washer carried by said stem and engaged against the outer end of said bonnet for transverse shifting movement, a collar on said stem outwardly from said washer, and a coil spring encircling said stem between said washer and said collar, said piston valve when closed engaging said valve seat against which it is held by the fluid pressure within said body and said spring, said piston valve being of a diameter relative to said bore to permit rocking movement relative to its seat and said washer shifting across the engaged end of the bonnet upon the actuation of said stem to allow the fluid pressure within said body to exhaust to atmosphere.

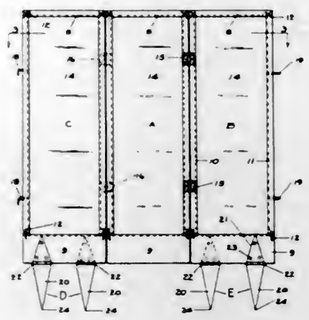
2,576,383
MEANS FOR CONNECTING A TRAILER TO A DRAFT VEHICLE
Dallas B. Avery, Pontiac, Mich., assignor of one-half to Harvey A. Watson and Loral E. Watson, both of Capac, Mich.
Application March 30, 1949, Serial No. 84,395
2 Claims. (Cl. 280—33.44)



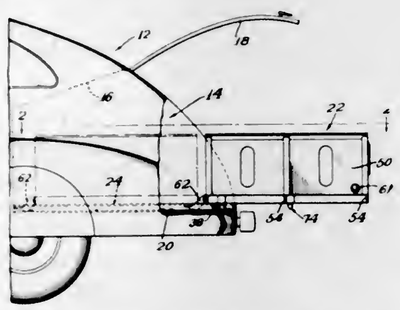
1. Means for connecting a trailer with a draft vehicle comprising a hollow rectangular frame connected at one end to the rear frame of the vehicle and at the other end to the bumper, the frame having aligned apertures in its opposite side walls, a pivot pin extending through a pair of said apertures, a member with a ball end having spaced upright flanges with a corresponding pair of aligned apertures through which said pin extends for pivotally mounting said member upon said frame, each of said flanges having an arcuate notch near one of its ends, said notches being transversely aligned, a locking pin extending through a second pair of frame apertures and through said flange notches and having transverse slots in horizontally spaced parallel relation, means for turning said locking pin whereby said slots may be aligned to receive the outer edges of said flanges to thereby permit the member having a ball end to be pivoted about said first pin from operative to non-operative position each of said flanges having an arcuate notch near the other of its ends, said latter notches being transversely aligned to cooperatively receive said locking pin whereby said ball member may be locked in operative position.

2,576,384
WINDBREAK
Mark Bentley, San Francisco, Calif.
Application July 23, 1948, Serial No. 40,362
1 Claim. (Cl. 160—181)

A wind breaking device of the character described, comprising a series of vertically positioned frames, a groove extending in and around the inner surface of each frame, a sheet of transparent plastic positioned in the said groove in each frame providing a window in each frame, a plurality of hinges securing the frames one to the other, a plurality of foldable stakes of hinged-form secured to the lower portion of the frames, a plurality of hooks fixed in the outer vertical surface of a frame forming one end of the device, and a plurality of eyes fixed in the outer vertical surface of the frame forming the opposite end of the device, whereby a wind breaking frame of similar construction is capable of being connected thereto.



2,576,385
EXTENSIBLE STORAGE COMPARTMENT FOR AUTOMOBILES
Robert L. Bigsby, Lancaster, Mo.
Application October 1, 1949, Serial No. 119,166
8 Claims. (Cl. 224—42.44)

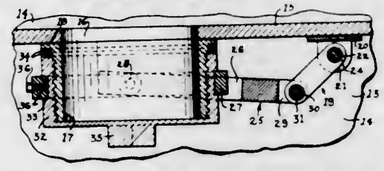


1. For embodiment in the storage compartment of an automobile, said compartment having a floor and an open end, the combination comprising, guide means mounted on the floor of the compartment extending longitudinally thereof and having one end adjacent said open end, a trunk box in the compartment, a tongue on said trunk box engageable with said guide means, said trunk box being slidable out the open end of the compartment throughout the length of said guide means, supporting projections on said trunk box, said supporting projections engaging the floor of said compartment to support said trunk box, and latch means mounted in said compartment, said supporting projections being insertable vertically into said latch means, and said latch means restraining said trunk box against horizontal movement.

2,576,386
INHIBITION OF SCALE FORMATION IN STEAM GENERATION
Paul G. Bird, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 6, 1948, Serial No. 63,856
5 Claims. (Cl. 252—181)

1. In the generation of steam, the process of inhibiting scale which comprises incorporating with the water from which the steam is generated a scale inhibiting water soluble composition resulting from the alkaline hydrolysis of sodium lignosulfonate with caustic soda at temperatures within the range of 200 degrees C. to 225 degrees C. for a period of 20 to 120 minutes under superatmospheric pressures sufficient to maintain the liquid phase, the quantity of said composition being sufficient substantially to inhibit said scale formation.

2,576,387
BULKHEAD DOOR STRUCTURE
Young K. Buell, New York, N. Y., assignor to Raymond M. Hilliard as Commissioner of Welfare of the city of New York
Substituted for abandoned application Serial No. 464,024, October 31, 1942. This application May 5, 1948, Serial No. 25,289
4 Claims. (Cl. 114—117)



1. In a device of the class described, a wall formed with a plurality of openings, links pivotally mounted on said wall adjacent to said openings, a yoke for each of said openings and said yokes being pivotally mounted on said links for swinging towards said openings, a ring located between the arms of each yoke and having diametrically opposite radially projecting pins passing through slots in said arms and said slots extending at right angles to said wall with said arm substantially parallel to said wall, resilient means in said slots for resiliently holding said pins centrally in said slots, a connecting rod connecting together one of the pins of each ring, a cap rotatively mounted within each ring for threadedly engaging said openings in said wall and provided on its periphery with gear teeth, a drive pinion for each cap meshing with said gear teeth and having its axis parallel with the axis of the cap, and means for driving said pinions in one direction or the other, whereby when the threads of one or more of said caps threadedly catches the threads of one or more of said openings a force will be transmitted by said connecting rod which will assist the other caps in catching the threads of their openings.

2,576,388
CHILD'S SPOON
Roland S. Claflin, Park Ridge, Ill.
Application March 15, 1947, Serial No. 734,962
1 Claim. (Cl. 30—327)

A child's feeding implement having a food retaining bowl shaped portion and an elongated straight handle portion with enlargements at both ends of the handle portion adapted to hold the handle portion raised from a surface on which the enlargements rest, the enlargement most remote from the bowl-shaped portion being flat bottomed, and the food retaining portion being disposed at an obtuse angle with respect to the handle in the horizontal plane when the implement is in a position of rest on a horizontal surface.

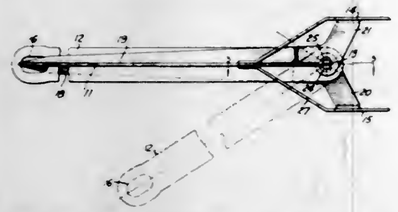


2,576,389
TELESCOPING TOWER
Philip B. Craighead, Milwaukee, and George H. Nelson, Wauwatosa, Wis., assignors to Safway Steel Products, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application March 22, 1945, Serial No. 584,216
1 Claim. (Cl. 189—14)



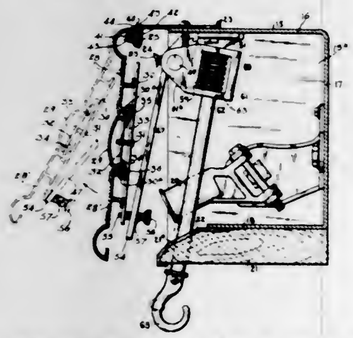
In a telescoping tower, a base section, a plurality of lifting sections nested within said base section, all of said sections being rectangular in plan and having vertical members at each corner, the adjacent vertical members of said sections cooperating to guide the sections when moving relative to each other, four jackscrews mounted on said base section adjacent the corners thereof and engaging the first of said lifting sections, power means mounted on said base section for simultaneously actuating said jackscrews to raise the first lifting section, chains interconnecting all of said sections and having rolling contact with the upper portion of all lifting sections intermediate the base section and the last lifting section, said chains being anchored adjacent the corners of said sections to provide stability for each lifting section about any horizontal axis contained within the base of such section, dogs pivotally mounted on each of said vertical members on said lifting sections and adapted to operatively engage vertically spaced slots in the adjacent cooperating vertical members, means connecting said dogs to said chains to retain said dogs in an inoperative position when said chains are tensioned, and biasing means acting to move said dogs into operative engagement with said slots to prevent relative movement between the adjacent vertical members when said chains are not in tension.

2,576,390
ANCHOR
Richard S. Danforth, Berkeley, Calif., assignor to Robert H. Eckhoff, Piedmont, Calif., as trustee
Application January 6, 1948, Serial No. 653
2 Claims. (Cl. 114—208)



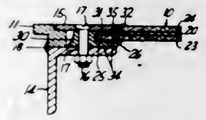
1. An anchor fabricated for assembly from plate elements comprising a stock; a shank mounted approximately centrally of the stock and pivotally mounted thereon; identical coplanar flukes fashioned from plate elements and mounted on opposite sides of the shank and joined to the stock along their rear edges; each fluke including a flange extending along that edge of the fluke adjacent the shank substantially normal to and in at least one direction from the plane of the fluke; each fluke flange extending rearwardly of the flukes to provide a mounting for the fluke on the stock and an extension projecting normal to the plane of the fluke; and a crown comprising a pair of plates each bifurcated generally centrally of one end and bent to provide first and second crown plate portions, the first crown plate portion including spaced bifurcations each engaged with the flukes on opposite sides of the shank and each extending outwardly and rearwardly to a second crown plate portion extending substantially parallel to the plane of the flukes and spaced therefrom; each fluke flange extension extending away from the plane of the fluke; and means securing each extension to one of said second crown plate portions to support said second crown plate portion.

2,576,391
AWNING BOX
Errol P. D'Azzo, Brooklyn, N. Y.
Application October 26, 1949, Serial No. 123,772
13 Claims. (Cl. 160—22)



1. An awning box, comprising a main hollow structure, a drop-lid therefor, and means partially carried by the drop-lid and partially carried by said hollow structure for swingably suspending said lid from said hollow structure, said means including a combined flashing and hinge-leaf receptor fixedly carried by said hollow structure and further including a plural-leaf hinge entity the leaves of which are permanently coupled by a pintle pin of the hinge entity, one of said leaves being secured to the lid whereby when the other of said leaves is inserted into said receptor the lid is swingably suspended.

2,576,392
LAMINATED GLASS UNIT
Daniel T. Downes, Creighton, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 15, 1945, Serial No. 593,876
2 Claims. (Cl. 189—64)



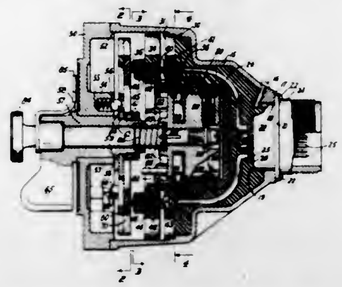
2. In a windowed wall section, frame supports defining a panel-receiving opening in the wall section and the frame supports in cross section defining a continuous channel, a homogeneous mass of mastic material in its final form being pliable and yieldable substantially filling said channel the entire length thereof, a bendable window panel having a marginal extension of less thickness than the body of the panel and being at least partially embedded in said mastic in the channel throughout its perimeter and said panel being bendable while it is disposed in said yieldable mastic, and strip metal having a portion lying substantially coextensively with the marginal extension inside the channel and having another portion extending at an angle thereto and overlapping an adjacent portion of the panel outside the channel.

2,576,393
AUTOMATIC SOLDERING IRON
George L. Flanagan, Benton City, Wash.
Application January 9, 1950, Serial No. 137,548
3 Claims. (Cl. 219—27)



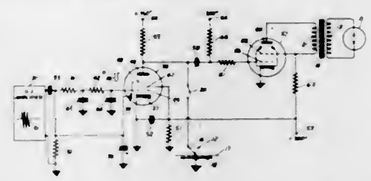
1. A soldering iron comprising a shank which has a handle at one end, a tube concentrically disposed within said shank and having communication with a solder chamber in said shank, a tip disposed in said solder chamber and a cup carried by said shank forming a part of said solder chamber, said cup having a solder outlet passage therein with said tip disposed in valving relationship therewith, a spring reacting on said shank and said tip urging said tip to the passage closing condition, a heating element disposed in concentric relationship with said tube and disposed within said shank in order to electrically heat said chamber, and a spring operated plunger operable in said tube pressing toward said tip in order to compress solder towards said solder passage, said tip being a hollow shell and having laterally disposed openings through the wall thereof communicating the interior of the tip with the solder passageway in said cup, the interior of said tip communicating with the bore of said tube in order to conduct solder.

2,576,394
ELECTRICAL APPARATUS
Jakob R. Frei and Charles W. Root, Sidney, N. Y., assignors to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 2, 1945, Serial No. 597,223
10 Claims. (Cl. 200—5)



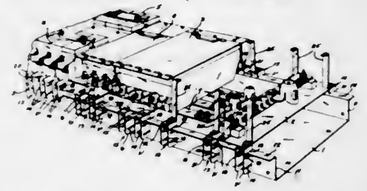
5. In apparatus of the class described, a metallic casing, a first set of fixed contacts disposed within and insulated from said casing, a second set of contacts disposed within and insulated from said casing, common switch means disposed within and electrically connected with said casing and having contacts movable individually into engagement with individual contacts of said first set of contacts, and common switch means within and electrically connected with said casing and having contacts movable collectively into engagement with a corresponding number of contacts of said second set of contacts.

2,576,395
RECORDING AND INDICATING SYSTEM
Brownlee B. Gauld, Brookline, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application October 28, 1948, Serial No. 57,020
8 Claims. (Cl. 346—33)



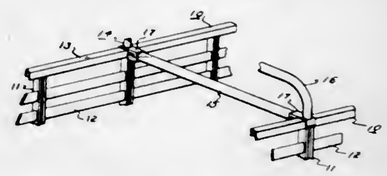
3. In a signaling system, a signal receiver having an electron tube with an anode, cathode and control grid, a source of anode potential, an impedance element connected between said source and said anode, means biasing said tube to conduct current in the absence of received signals, means operative upon said control grid to reduce the flow of said current in proportion to the strength of received signals, a first output information presentation device having a relatively high input impedance, a second output information presentation device having a relatively low input impedance, means connecting the inputs of said devices in parallel across the anode-cathode path of said tube, said relatively low input impedance being of a magnitude which drops the voltage across said anode-cathode path below a value required to operate said first device when signals are received, and means to interrupt the path through said second device.

2,576,396
PANEL BOARD
Floyd S. Green, St. Louis, Mo., assignor to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application June 27, 1949, Serial No. 101,587
3 Claims. (Cl. 175—369)



1. A panelboard having a mounting back having a free edge, a U-shaped fitting formed of relatively thin stiff material, each leg of the U having a plurality of slots aligned with corresponding slots in the other leg, said slots having a width such as to provide a drive fit over said free edge, and a panel device secured to the bridge of said fitting.

2,576,397
VEHICLE BODY BRACE
Edmund S. Grilley, Fort Worth, Tex., assignor to Hobbs Manufacturing Company, Fort Worth, Tex., a corporation of Texas
Application October 6, 1948, Serial No. 53,121
4 Claims. (Cl. 296—40)



1. In a vehicle having upright sides, a brace for connecting the upper portions of the sides including, a member extending transversely of the sides, a connecting element mounted on each end of the member and having a U-shaped keeper for overlying the upper portion of the side, the keeper having depending flanges with its outer flange engaging the outer surface of the side and its inner flange engaging the end of said member and spaced from the side, and a spring-pressed plunger supported by said element between the inner and outer flanges of its keeper for detachably latching the keeper on the side, the upper portion of the side having a transverse opening for receiving the plunger.

2,576,398
ANIMATED TOY VEHICLE
George W. Harris, Drain, Oreg., assignor of one-half to John J. Koneeny, Drain, Oreg.
Application June 7, 1950, Serial No. 166,599
1 Claim. (Cl. 280—1.175)

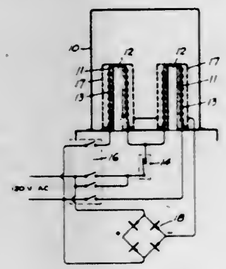
An animated toy of the character described comprising a body member made up of two spaced apart vertical panels, the rearward end of said panels being held in spaced relation to each other by a spacer plate interposed between said panels to also provide a limit-stop, the forward end of said panels being held in spaced relation to each other by a leg portion formed integral with a

neck and head portion, said leg, neck and head portion being fixedly secured to said body member, a rear leg pivotally attached to said body member and swingable in the direction of the length of the body member between the said two panels and limited in its rearward swing by said spacer plate, a seat superimposed upon and secured to the top edge of said body member, said front and rear leg each being provided with a base of square box-like formation having vertical front rear and side walls, the forward bottom



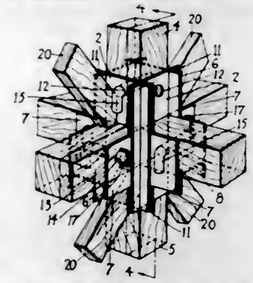
edges of the side walls of the base for the front leg being of flat formation and the rear portion of the base for the rear leg being of flat formation to serve as limit-stops to prevent forward or rearward over-tipping of the body member, the rear portion of the base for the front leg being tapered rearwardly and upwardly and the forward end of the base for the rear leg being tapered forwardly and upwardly to form flat supporting surfaces for both of said bases when the bases are separated to their limit during operation.

2,576,399
ION CONTROLLER
William Wesley Hicks, San Francisco, Calif., assignor to Ionics, Inc., San Francisco, Calif., a corporation of California
Application January 11, 1949, Serial No. 70,277
6 Claims. (Cl. 250—86)



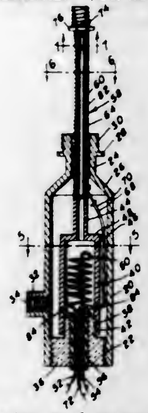
1. In a device for controlling the ion concentration in a room in atmospheric air at atmospheric pressure, means for producing ions of both signs in a predetermined zone in atmosphere, charged grid means for selectively collecting at atmospheric pressure ions of the sign opposite to the sign of the grid, and means for passing a stream of air first through said zone and then through said grid to carry a substantial number of said ions to said grid, whereby the ions of the same sign as the grid will be carried therethrough and the ions of the sign opposite to the sign of the grid will be collected by said grid, said grid being positioned to extend across the path of air moving in said stream.

2,576,400
SCAFFOLDING CONNECTION
Alexander Howie, Shaker Heights, Ohio
Application May 8, 1948, Serial No. 25,843
5 Claims. (Cl. 304—4)



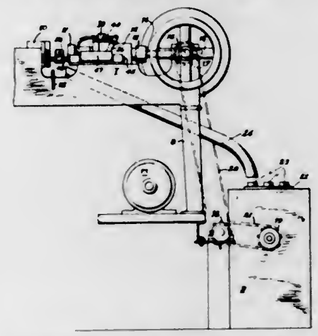
1. A scaffolding connection or the like, comprising channel-shaped sheet metal members arranged with their webs defining a vertical opening therethrough of rectangular cross-section, the flanges of said channels extending outwardly and away from said opening, and members for seats for scaffolding members, said seat members disposed between the flanges of said channels and extending at right angles to the flanges of said channels.

2,576,401
ELECTRIC CARBURETOR HEATER
Arthur Kimmell, Albuquerque, N. Mex.
Application September 8, 1949, Serial No. 114,526
3 Claims. (Cl. 219—38)



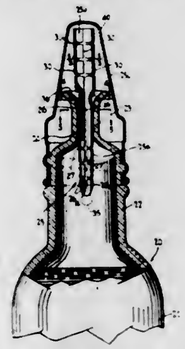
1. A fuel heater and vaporizer comprising an outer container having a first reduced open end and a second open end, a threaded insert having an aperture therethrough in said second end, an inner container having a reduced end and another end secured to said insert, delivery means a first end of which is positioned within said first container in alignment with the reduced end portion of said second container, means maintaining said delivery means in spaced relationship from said first end of said outer container, and heating means including an electrical resistor positioned within said second container receivable through said insert, an outwardly extending female threaded port in the first container, thermostatic means secured within said port, said thermostatic means being operatively connected to said heating means to selectively control the electrical power supply thereto, said heating means also including an electrical resistor about said delivery means.

2,576,402
TRANSFER MECHANISM
Max M. Kipfer, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 9, 1947, Serial No. 767,794
6 Claims. (Cl. 93—60)



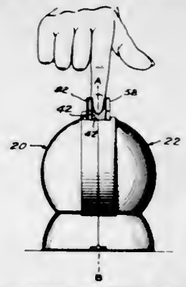
1. In apparatus for forming cup shaped articles including a reciprocating die, a member having openings therethrough and shaped to enter the formed article, means responsive to the reciprocating movement of said die to oscillate said member between a position coaxial with said die on retraction of said die and a withdrawn position on advancement of said die, and means coinciding with the withdrawn position of said member to direct an air blast into said member and outwardly through the openings therein.

2,576,403
DROP DEVICE
Samuel Kirschenbaum, Brooklyn, N. Y.
Continuation of application Serial No. 425,274, January 1, 1942. This application July 9, 1945, Serial No. 603,818
8 Claims. (Cl. 222—421)



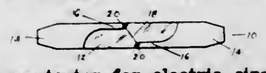
2. In a drop dispensing device of the character described, a container for liquids having a discharge opening, a one piece plug member in said discharge opening, said plug member having a portion thereof extending beyond said discharge opening, the portion of said plug member in said discharge opening comprising at least one capillary groove in the surface thereof communicating with the interior and with the exterior of the container to provide a path through which, when the container is tilted, liquid will flow so that liquid from the container may pass to the surface of the said extending plug portion to ultimately fall off therefrom in the form of drops, said extending plug portion being provided with a chain of open capillary grooves in the surface thereof, each groove of said chain of grooves connecting directly with another groove of said chain, and at least one groove of the said chain of grooves communicating directly and at all times with said capillary groove in said plug member portion in said discharge opening.

2,576,404
ADHESIVE TAPE DISPENSER
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York
Application August 21, 1945, Serial No. 611,877
22 Claims. (Cl. 242—55.5)



1. A device for serving strips of tacky material including a casing, a support for a supply of tacky material in the casing, and a member projecting from the casing having a surface adapted to engage and support the non-adhesive side of the tape, and having a tear-off edge, the outer wall of the casing surrounding said projecting member being smooth and unobstructed so as to assist in guiding the fingers of the operator into engagement with the projecting member and with the tape supported thereby.

2,576,405
PROTECTOR FOR ELECTRIC CIRCUITS
Craig L. McAlister, Overland, Mo., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application May 1, 1948, Serial No. 24,647
25 Claims. (Cl. 200—131)

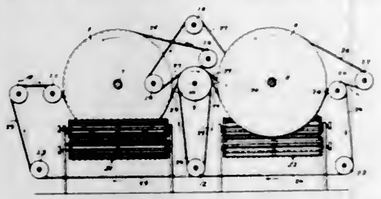


12. In a protector for electric circuits which comprises a casing, a fusible element and a bridge structure, the improvement which comprises a unitary bridge structure of insulating material which is coextensive with said casing and has spaced metallic surfaces thereon, said metallic surfaces having narrow projections to receive a fusible element, and a fusible element secured to said surfaces by solder.

2,576,406
DEVICE FOR CRUSHING AND CLEANING FIBROUS VEGETABLE UNITS
James McCrae and Enrique Manero, Merida, Yucatan, Mexico; said McCrae assignor to said Manero
Application December 28, 1945, Serial No. 637,795
In Mexico December 30, 1944
1 Claim. (Cl. 19—12)

A cleaner for units of fibrous material comprising a vertically positioned double grooved

starting conveyor wheel, a similar finishing conveyor wheel, means journaling the wheels in spaced relation and with the faces of the wheels in spaced parallel planes, a pair of endless coacting scraper chains extended from the side of the said starting conveyor wheel on which the plane extended through the finishing wheel is positioned, the meeting surfaces of said scraper chain positioned in a horizontal plane corresponding with the lower edge of the said starting conveyor wheel, the lowermost of the said scraper chains extended under the said starting conveyor wheel, a pair of endless coacting scraper chains extended from the side of the said finishing conveyor wheel on which the plane extended through the starting wheel is positioned, the meeting surfaces of said scraper chains positioned in a horizontal plane corresponding with the lower edge of the said finishing conveyor wheel, the lowermost of said scraper chains ex-



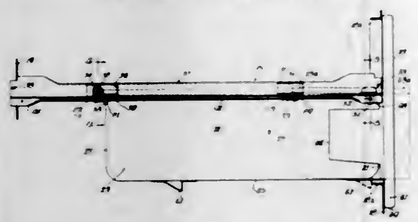
tended under the said finishing conveyor wheel, the said endless scraper chains extended from the finishing conveyor wheel extended in a direction opposite to that of the scraper chains extended from the starting conveyor wheel, endless belts trained over the said conveyor wheels and extended in overlapping relation between the said wheels whereby with one end of the said fibrous vegetable units secured between a belt on the said starting conveyor wheel and the wheel the extended end of the unit is fed to the scraper chains extended from the wheel and after leaving the scraper chain the extended ends of the units are picked up by a belt on the finishing conveyor wheel with the opposite or unscraped ends of the units extended from the said finishing conveyor wheel and carried thereby with the scraper chains extended therefrom wherein the formerly unscraped ends of the units are scraped and the complete areas of the units are cleaned with the fibres thereof in parallel relation.

2,576,407

MOVABLE DRAWER STRUCTURE

Walter R. McDowell, Westchester, Ill., assignor to Hotpoint Inc., a corporation of New York

Application March 26, 1948, Serial No. 17,292
1 Claim. (Cl. 312—343)



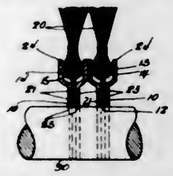
In combination, structure provided with an upstanding front surface having a longitudinally extending drawer-space formed therein, a drawer provided with longitudinally spaced-apart upstanding front and rear walls and two laterally spaced-apart upstanding side walls and a connecting bottom wall and a surrounding top rim, said rim providing two laterally spaced-apart rim guides respectively projecting outwardly from said side walls, two longitudinally extending drawer-guide members secured to said structure and disposed in a substantially horizontal plane, said members being disposed in substantially parallel laterally spaced-apart relation adjacent to the opposite sides of said drawer-space and respectively receiving said rim guides, two inwardly directed lower flanges respectively carried by said members and respectively disposed below said rim guides, two inwardly directed upper flanges respectively carried by said members and respectively disposed above said rim guides, two laterally spaced-apart main attachments respectively provided on the front ends of said members, two laterally spaced-apart front rollers respectively carried by said main attachments and respectively projecting slightly above said lower flanges and respectively supporting said rim guides, two laterally spaced-apart rear rollers respectively carried on the opposite sides of said drawer adjacent to said rear wall and respectively projecting both slightly above and slightly below said rim guides and respectively engaging said upper flanges when said drawer is moved to a considerably pulled-out position and respectively engaging said lower flanges when said drawer is moved to a considerably pushed-in position, an upstanding front cover carried by said front wall and projecting over the adjacent front surface of said structure and covering the front of said drawer-space when said drawer is moved into its fully pushed-in position, two laterally spaced-apart main off-sets respectively carried by said lower flanges adjacent to the rear ends thereof and respectively cooperating with said rear rollers to restrain said drawer in its fully pushed-in position, two laterally spaced-apart auxiliary attachments respectively provided on the rear ends of said members, and two laterally spaced-apart auxiliary off-sets respectively carried by said lower flanges adjacent to the front ends thereof, said auxiliary attachments being arranged to carry said rear rollers in order to serve the purpose of said main attachments and said auxiliary off-sets being arranged to cooperate with said rear rollers in order to serve the purpose of said main off-sets in the event said members are respectively secured to said structure in reversed right-hand and left-hand positions.

2,576,408

ROTARY BRUSH

Joseph V. Mertes, Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application April 5, 1945, Serial No. 586,682
4 Claims. (Cl. 15—181)



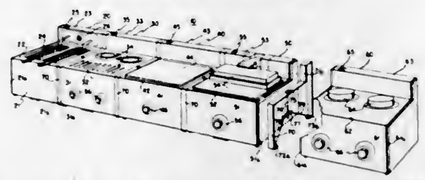
1. In a rotary brush, a disc having integral radial fingers thereon spaced at regular intervals around its perimeter, a ring disposed coaxially of the disc, said fingers being looped around the ring in clamped relation in direct contact therewith to hold it in place, and knots of bristles looped about the ring and each knot being flanked by two of the fingers in successive mountings around the entire circumference of the ring.

2,576,409

SECTIONAL COUNTER KITCHEN

Harold A. Michaelis, Elmhurst, and Herbert F. Swanson, Chicago, Ill., assignors to Hotpoint Inc., a corporation of New York

Application June 19, 1948, Serial No. 34,042
4 Claims. (Cl. 312—107)



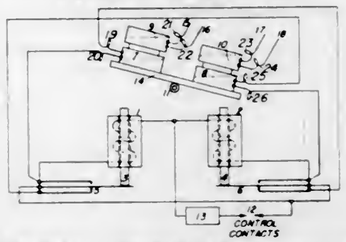
1. A counter kitchen comprising two individual cooking units arranged in contiguous end-to-end relation, each end of each of said units having a depression formed therein below the principal surface thereof and substantially conforming to a fixed configuration so that the contiguous ends of said units substantially match regardless of the relative positions thereof in said end-to-end relation, a resilient clip substantially conforming to said fixed configuration and arranged in the depressions formed in the contiguous ends of said units to provide a smooth joint between the principal surfaces of said units in order to lend a continuous unbroken appearance to said counter kitchen, and mechanism disposed within said clip and between the contiguous ends of said units for drawing said clip into snug engagement with the depressions formed in the contiguous ends of said units to secure said units in assembled relation, said mechanism being operable from the exterior of said clip.

2,576,410

REMOTE SWITCHING DEVICE

Raymond E. Moore, Denver, Colo.

Application July 15, 1949, Serial No. 104,939
2 Claims. (Cl. 200—98)



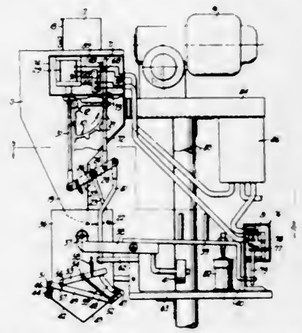
1. A solenoid operated switch comprising a rockable bar tiltable to a position on one side or the other of a fixed axis, liquid switch means carried by said bar and having respective pairs of electrodes electrically shunted in response to the tilted position of said bar on either side of the pivotal axis, a pair of solenoids having respective plungers alternately operable to tilt said bar to one side or the other of said axis, including respective control switch means operated by said plungers and circuit means intermediate said liquid switch means and said control switch means, whereby said solenoids are alternately energizable, depending on the tilted position of said bar, each of the control switch means comprises a resilient element engageable with either of two contacts and normally biased to engage one of the contacts, said resilient element being engageable by the plunger of the respective solenoid and being biased by the weight thereof toward the other contact, the circuit arrangement being such that tilting of said rockable bar on one side of the axis by one of said solenoids serves to effect predetermined engagement and disengagement of said resilient elements and their respective contacts whereby to energize the other of said solenoids upon subsequent electrical impulse being furnished to said circuit.

2,576,411

AUTOMATIC WEIGHING MACHINE

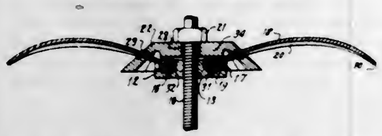
Oren G. Mosher, Oakland, Calif., assignor to Eagle Machinery Co., Ltd., San Francisco, Calif., a corporation of Nevada

Application May 12, 1947, Serial No. 747,513
5 Claims. (Cl. 249—53)



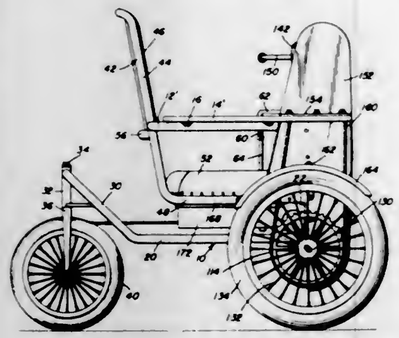
1. In an automatic weighing machine, a feed means including a continuously rotating drum adapted to supply a product at a predetermined rate, a hopper adapted to receive the product from the feed means and having a lower open end, a gate adapted to close the lower end of the hopper, a weighing hopper disposed below the first named hopper, a weighing means serving to support the weighing hopper, an electrical motive device mounted independently of the weighing hopper, mechanical connecting means between the motive device and said gate to close and open the gate responsive to energization and deenergization of the motive means, a pair of swinging doors pivotally secured to the weighing hopper and adapted to close the lower end of the latter, means serving to connect said doors for conjoint movement between open and closed positions, spring means normally urging said doors toward closed position, a pivoted latch lever carried by the hopper and adapted to have latching engagement with said last named means to latch said doors in closed position to support material in the hopper, said latch lever when moved to unlatching position by downward force applied to the same serving to apply force to said doors to move the same to open position, and means forming a mechanical connection between said motive device and said latch lever to apply downward force to the same to move the lever to unlatching position and to effect opening of said doors, said means serving to effect opening of said doors immediately subsequent to closure of said gate, and electrical circuit means controlled by said beam for effecting automatic energization and deenergization of said motive device.

2,576,412
EARTH ANCHOR
Harley R. Ogburn, Marshall, Tex.
Application July 6, 1948, Serial No. 37,263
3 Claims. (Cl. 189—92)



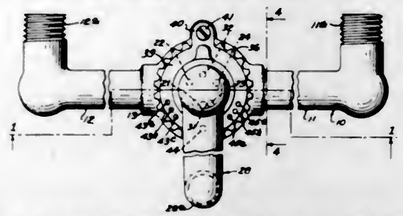
1. An earth anchor including, a base block, a spreader block above the base block, a screw-threaded anchor rod extending through the blocks, one of the blocks having a screw-threaded bore receiving said rod, a plurality of anchor wings, each wing having a substantially cylindrical hub on one end, the axes of the hubs extending across the wings parallel to the transverse axes of the wings and at right angles to the longitudinal axes of the wings, the base block having recesses of arcuate cross-section receiving the hubs, the recesses having semi-cylindrical bottoms of substantially the same radius of curvature as the hubs and in contact with the peripheries thereof, whereby the hubs may revolve in said recesses and are fully supported thereby in all positions, the axes of the recesses being spaced inwardly from the perimeter of the base block, said hubs projecting above the base plate, and a centrally located extension on the underside of the spreader block positioned inwardly of the periphery thereof abutting the hubs when the anchor is expanded to hold the hubs in their recesses and to withstand forces tending to move the hubs upwardly.

2,576,413
WHEEL CHAIR
John A. Padjen, Midvale, Utah
Application September 11, 1947, Serial No. 773,438
4 Claims. (Cl. 280—250)



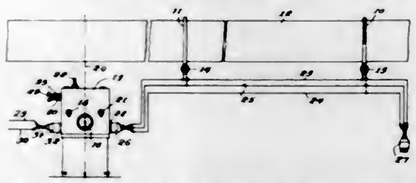
1. A wheel chair comprising a pair of spaced parallel tubular side frame members each having a vertical portion and a horizontal portion, coils at the junctions of said vertical portions with said horizontal portions, an inverted U-shaped seat frame including a pair of leg portions and a web portion joining said leg portions, a horizontally extending arm projecting laterally from each of said leg portions and fixed to said vertical portions, said horizontal portions including upwardly converging extensions, a vertically disposed sleeve supported by said extensions, a wheel supporting yoke having an upstanding portion journalled in said sleeve, means attached to said yoke for turning the wheel yoke, a pair of V-shaped tubular foot platform supporting members fixed to and depending from said coils, a cross-bar terminally secured to said V-shaped tubular members, split clamps, mounted on said V-shaped members, and a wheel axle mounted in said clamps.

2,576,414
COMBINATION FAUCET
Harry R. B. Peterson, Daly City, Calif.
Application September 29, 1947, Serial No. 776,780
3 Claims. (Cl. 251—88)



2. A faucet device of the character described including a tubular faucet body having a pair of separate fluid supply conduits, a valve seat plate providing a closure wall portion for each of said supply conduits, said seat plate having two pairs of concentrically disposed orifices therethrough, one of said pairs of orifices communicating with one of said supply conduits, and the other of said pairs of orifices communicating with the other supply conduit, one of said orifices being in each quadrant of the seat plate, one orifice in each of said pairs being diametrally disposed and offset from diametric alignment relative to an orifice of the other of said pairs, an axially rotatable valve plate having ports therein diametrally oppositely disposed for selectively communicating with the orifices of the seat plate upon rotation of the valve plate, means for rotating the valve plate, and a tubular discharge nozzle mounted in communication with the ports of the valve plate.

2,576,415
MOTOR VEHICLE ACTUATED ROAD SPEED CHECKING APPARATUS
Asa P. Prather and Otho P. Prather, Georgetown, Ky.
Application October 5, 1950, Serial No. 188,594
4 Claims. (Cl. 161—18)



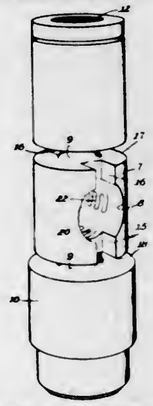
1. In a vehicle speed indicator, the combination which comprises pressure tubes positioned at spaced points across a highway, switches positioned to be closed by increase of pressure in the said pressure tubes, a housing, a relay having a plurality of pairs of contact points positioned to be closed by a solenoid therein positioned in the housing, a stop watch in the housing, a lever pivotally mounted in the housing and positioned to actuate starting, stopping and resetting means of the stop watch, a solenoid mounted in the housing and positioned to actuate the said lever for operating the stop watch, circuits connecting the switches actuated by the pressure tubes to the said solenoids, manually actuated switches in the said circuits whereby the circuits to the pressure tubes are set manually as a selected vehicle approaches one of the tubes, means breaking the circuit to the solenoid of the stop watch actuating lever upon completion of the operation thereof, means manually releasing the said circuit breaking means, means manually completing a circuit to the stop watch actuating lever solenoid for resetting the stop watch, a holding circuit for completing a circuit to the solenoid of the relay, and means manually opening the said holding circuit.

2,576,416
SNAP-ON PERFORATED SHAKER DISK FOR CONDIMENT CONTAINER AND CLOSURE CAP OVER SAID DISK
Edward A. Randlett, Baltimore, Md., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 8, 1948, Serial No. 31,618
10 Claims. (Cl. 222—499)



5. A combined sealing liner and sifter cap for a condiment container provided with a mouth having an undercut peripheral lip and having a threaded neck portion to receive a closure cap, said combined liner and sifter cap comprising an elastic rubber-like body having a central perforated disc portion with a depending continuous flange around its periphery, whereby the same may be snapped and retained over the mouth of said container, said disc portion being adapted to provide a seal between the mouth of the container and the closure cap.

2,576,417
COLUMN TYPE FORCE MEASURING DYNAMOMETER
Arthur C. Ruge, Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application February 17, 1949, Serial No. 76,958
11 Claims. (Cl. 201—63)



1. A load weighing device comprising a member having a load sensitive column portion extending in the direction of an axis along which load is to be applied and end portions for transmitting such axial load to the sensitive column, said load sensitive column portion being cylindrical about the axis along which load is applied and having a transverse hole with substantially diametrically opposed areas at which strain concentration occurs in response to load, and electrical impedance strain gage means secured to one of said diametrically opposed areas for measuring the surface strain thereof as an index of the applied load.

2,576,418
LIGNIN COMPOUNDS AND METHOD FOR MAKING SAME
Jörgen Richter Salvesen, Wausau, Wis., and Carlyle Harmon, Springfield, Mass., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Application December 6, 1948, Serial No. 63,842
7 Claims. (Cl. 260—124)

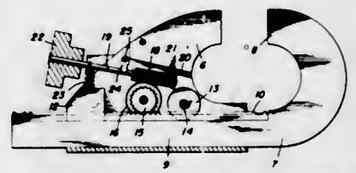
1. The process of producing a lignin compound by controlled alkaline hydrolysis comprising the steps of preparing an aqueous mixture containing sodium hydroxide in amount to provide free caustic soda in the final cooked liquor and sodium lignosulfonate substantially free from calcium and magnesium ions, and heating said mixture under pressure and at a temperature range of 200° to 225° C. for a period of 20 to 120 minutes.

2,576,419
CLEANING COMPOSITION
John Henry Secrist and Wilbur Herbert Petering, Detroit, Mich., assignors to Detrex Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 4, 1947, Serial No. 752,568
1 Claim. (Cl. 252—118)

An optically clear, non-turbid, liquid, cleaning composition comprising the following ingredients in substantially the proportions stated:

Trichlorethylene	cc.	100
Triethanolamine oleate	grams	2
Monoethanolamine oleate	do	6
Sodium oleate	gram	1
Water	cc.	11

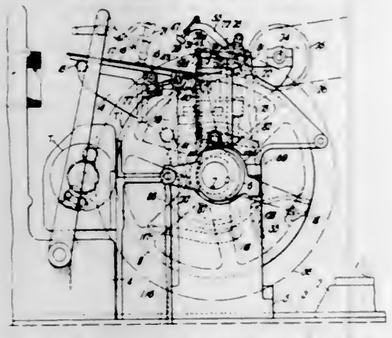
2,576,420
RACK AND GEAR ACTUATED CLAMP
Arnold Simonsen, San Francisco, Calif.
Application May 17, 1948, Serial No. 27,478
2 Claims. (Cl. 144—303)



1. A clamp comprising a channel guide, a movable jaw including a rack slidable in the guide, a fixed jaw secured to the guide, a gear in said guide between said rack and fixed jaw for operating said rack, a drive for said gear comprising a driving worm in said guide between said gear and fixed jaw rotatably and pivotally attached to the fixed jaw for swinging into and out of driving position, a worm shaft extending from said worm out of said guide for manipula-

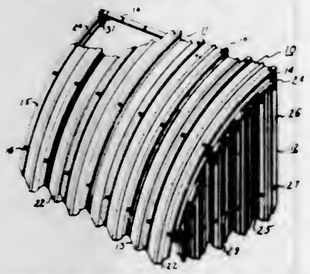
tion to swing and rotate said worm, a guide block for said rack fixed in said guide in sliding engagement with said rack, and a spring seated in the block and engaging said shaft to normally swing said worm out of driving position.

2,576,421
SHEET HANDLING MECHANISM FOR BED AND CYLINDER PRINTING MACHINES
Fred Spence, Sale, England, assignor to Linotype and Machinery Limited, London, England, a British company
Application November 30, 1946, Serial No. 713,212
In Great Britain November 19, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 19, 1965
10 Claims. (Cl. 101—279)



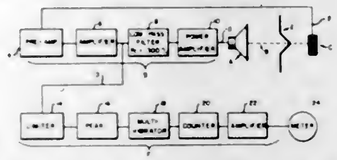
1. A printing machine including in combination an impression cylinder which is movable into and out of position to contact with a printing surface, mechanism for feeding a sheet to the impression cylinder, mechanism for registering a sheet, mechanism for delivering a sheet from the impression cylinder, a support on which said mechanisms are mounted, eccentric bearings in which the shaft of the impression cylinder is mounted, means for turning the bearings to move the impression cylinder into and out of contact with the printing surface, means for connecting the support to the bearings, and means carried by the impression cylinder for operating said mechanisms.

2,576,422
AWNING
Herbert P. Spradling, Dallas, Tex.
Application August 3, 1946, Serial No. 688,202
2 Claims. (Cl. 20—57.5)



1. An awning including, a plurality of parallel slats having their longitudinal margins overlapping each other, a plurality of bars extending transversely of the slats and underlying the same, said slats being formed of elongate strips of thin metal, upstanding, inwardly-directed channels coextensive with the longitudinal margins of each slat, an upstanding, longitudinal rib intermediate the marginal channels of each slat, said channels and ribs providing longitudinal drain channels therebetween in the outer surfaces of said slats, fastening means extending through and securing the overlapping marginal channels to each other and to the bars, and spacers on the fastening means between said overlapping channels and snugly engaging in the overlapping channels of the outer slats to space said slats from the inner slats and increase the rigidity of the awning.

2,576,423
APPARATUS FOR DETERMINING RESONANT FREQUENCIES
Alan Stewart, Staten Island, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey
Application February 4, 1947, Serial No. 726,381
6 Claims. (Cl. 73—69)

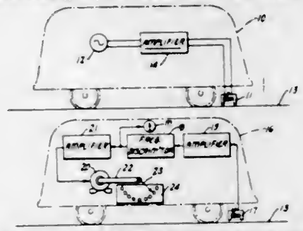


1. A test stand for determining the mechanical resonant frequency of a loud speaker cone which comprises a transmitting station, a receiving station and a testing station, a first transducer having an electrical input and a sound output in said transmitting station, a second transducer having a sound input and an electrical output in said receiving station, said testing station being for the cone to be tested and being separated from said transducers so that a said cone placed therein is free to vibrate, said stations being so spatially related to one another that an acoustic path may be defined from said first to said second transducer via said cone when said cone is in said testing station, electrical connections including an amplifier between the output of said second transducer and the input of said first transducer, a frequency measuring circuit the input of which is connected to said electrical connections, and an indicating means for said frequency measuring circuit.

2,576,424
AUTOMATIC SPEED CONTROL FOR RAIL-GUIDED VEHICLES
David E. Sunstein, Cynwyd, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application May 9, 1945, Serial No. 592,780. Divided and this application October 9, 1948, Serial No. 53,663
4 Claims. (Cl. 246—63)

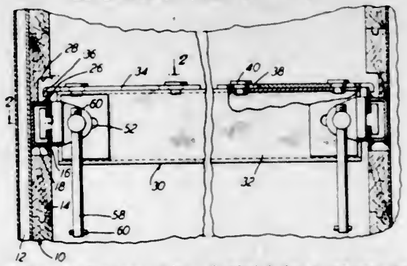
1. In a railway system having a rail of magnetic material: a source of alternating signal voltage of fixed frequency, a magnetic recording means coupled to said source, means for moving said magnetic recording means along said rail at a predetermined speed or speeds to inscribe magnetically therein a record of said alternating signal voltage, the wavelength of the recorded signal in said rail being directly proportional to the speed at which said recording means is moved along said rail, a speed-controlled vehicle moving along said rail, magnetic pickup means

carried by said speed-controlled vehicle, said pickup, in response to the magnetic record in said rail, developing a derived alternating voltage whose frequency is directly proportional to the speed of said vehicle and inversely proportional to the wavelength, in said rail, of said recorded



signal, frequency responsive means coupled to said pickup means for developing a control voltage whose magnitude is a function of the frequency of said derived alternating voltage, and means responsive to said control voltage for controlling the speed of said vehicle.

2,576,425
ADJUSTABLE FREIGHT SECURING MEANS
Philip Hampton Thearle, Orinda, Calif., assignor to Todd Shipyards Corporation, a corporation of New York
Application August 20, 1949, Serial No. 111,535
11 Claims. (Cl. 105—369)



1. Means for securing freight in a cargo compartment comprising trackways mounted in substantially parallel relationship along the sides of the compartment, said trackways comprising stiffening channels having face plates secured thereto, said face plates having holes formed therein spaced at intervals longitudinally of the trackways, the upper edges of the face plates extending above the stiffening channels being smooth and even to form guide rails, and a cross stretcher extending transversely between said trackways, said cross stretcher having hook plates mounted thereon and extending beyond the ends thereof and riding on said guide rails, said plates having hooked portions engaging behind the edges of the plates, and locking means independent of the hook plates carried by the ends of said cross stretcher having parts for insertion into and engagement with corresponding holes in the face plates for locking the stretcher against movement longitudinally of the face plates.

2,576,426
LIFTING FRAME FOR THE ASSEMBLY, REPAIR, AND CLEANING OF MOTOR CARS
László Nagy Thurzó, Budapest, Hungary
Application April 20, 1948, Serial No. 22,128
2 Claims. (Cl. 254—10)

1. A lifting frame for the assembly, repair or servicing of automobiles comprising two longitudinal parallel laterally spaced girders, pairs of rods pivotally connected at one end to spaced points of each girder to swing above the same, a beam pivotally connected to the other ends of each pair of rods thereby to form a pair of deformable parallelograms, a transverse member connecting the two parallelograms for concurrent movement, pairs of props each pivotally connected at one end to each beam at the points of pivotal connection thereto of the respective pair of rods, a guideway on each girder, the other end of each prop having a sliding connection to said guideway comprising rollers journalled in said props, a



longitudinal tie connecting the props of each pair and a transverse member connecting each prop of a pair to the corresponding prop of the other pair for concurrent movement of all the rollers on the guideways, a track on each side of the frame for receiving the wheels of the automobile to be lifted, means for suspending the tracks on the beams, a longitudinal draw member connected at one end to one of the transverse members connecting the props, a motor mounted in fixed relationship to the girders, and power transmission means between the motor and draw member thereby to propel the rollers along the guideways.

2,576,427
KNOCKDOWN PORCH AND STEP RAILING
Robert E. Tomb, Indiana, Pa.
Application May 9, 1950, Serial No. 160,910
2 Claims. (Cl. 256—21)

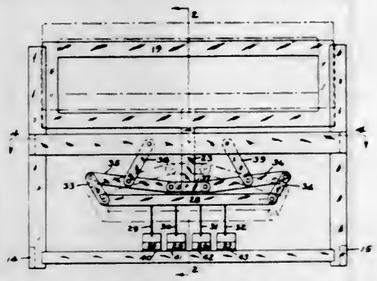


1. A metal railing structure of the class described comprising upper and lower rails each composed of a pair of spaced parallel bars, uprights having their ends secured between the bars of the upper and lower rails, and fasteners for the ends of the rails and comprising bolts positioned between the bars and projecting outwardly at the ends thereof, and lateral heads on the inner ends of the bolts engaged behind an adjacent upright.

2,576,428
MECHANISM FOR RAISING THE HARNESS FRAMES OF LOOMS
Frank N. Towle and Beatrice E. Towle, Soquel, Calif.
Application August 17, 1949, Serial No. 110,716
2 Claims. (Cl. 139—30)

2. Actuating mechanism for a loom harness frame slidably mounted in a loom main support,

said mechanism comprising a jack element connected to said harness frame for movement therewith, a pair of levers pivotally connected to said jack element, link means suspending each of said levers at an intermediate point thereof from said main support, a lam mounted opposite said jack element for movement parallel to said



harness frame, a pair of links connecting the ends of said lam to said levers, and a treadle suspended from said lam for imparting a downward movement to the lam whereby an upward movement is imparted to the jack element and the harness frame upon a predetermined operation of said treadle.

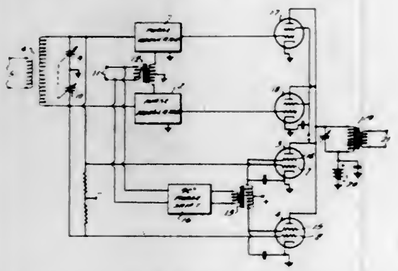
2,576,429

SINGLE SIDE-BAND SIGNAL GENERATOR

Oswald G. Villard, Jr., Palo Alto, Calif., assignor to the United States of America as represented by the Secretary of the Air Force

Application January 31, 1950, Serial No. 141,366

5 Claims. (Cl. 332—45)



1. A generator of single side-band radio frequency energy comprising a carrier suppressing phase modulator, a carrier suppressing amplitude modulator, means for applying radio frequency energy to said modulators from a common source, means for applying modulating signals in phase quadrature to said modulators, and means for combining the output signals of said two modulators to produce a single side-band signal.

2,576,430

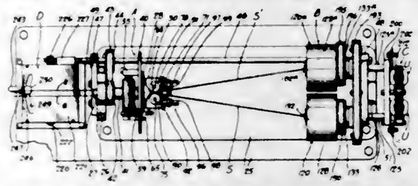
CHENILLE MAKING MACHINE

Clair B. Weller, Burbank, Calif.

Application October 22, 1948, Serial No. 55,938

5 Claims. (Cl. 57—24)

1. In a chenille making machine, means for supporting thread in tube formation; means for winding thread on the first means; means for axially feeding convolutions of thread as wound on the first means so as to produce a tube of thread thereon; means for supporting pairs of wires at diametrically opposed points with respect to the thread tube, with one wire of each pair inside the tube and the other wire of each pair outside the tube; means for cutting through the thread tube diametrically and medially between the pairs of wires as the tube is being fed longitudinally; means for feeding and twisting the pairs of wires to medially grip the severed halves of the thread tube between the wires of



the respective pairs; whereby to produce two chenille strands; cut-off devices, one for each chenille strand, receiving the respective strands from said feeding and twisting means; timing mechanism operable in synchronism with the feeding of the chenille strands; and means controlled by said timing mechanism, for actuating said cut-off devices to cut the chenille strands into predetermined lengths.

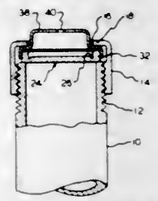
2,576,431

PRESSURE RELIEF SAFETY DEVICE

Gerald E. White, Middleville, Mich., assignor to White Products Corp., Middleville, Mich., a corporation of Michigan

Application November 30, 1948, Serial No. 62,777

1 Claim. (Cl. 220—89)



In a pressure vessel having a pressure relief outlet conduit with an annular seat and a screw-threaded exterior portion, the combination of a pressure relief valve for said outlet conduit, said valve comprising a frangible disc member, a cap member and an annular interiorly screw-threaded nut engaged with said screw-threaded exterior portion, said cap member having a peripheral skirt with a radial flange defining a central hollow cap portion with an end wall having a restricted opening and an enlarged mouth portion open to said central cap portion, said frangible disc having a sliding fit in said cap mouth portion to normally close the cap at its mouth end and said annular nut having a radial flange fitting over said radial cap flange to hold the said cap secured upon the pressure outlet with the said frangible disc seated against annular seat, said restricted opening serving as a pressure relief opening upon fracture of said frangible disc.

2,576,432

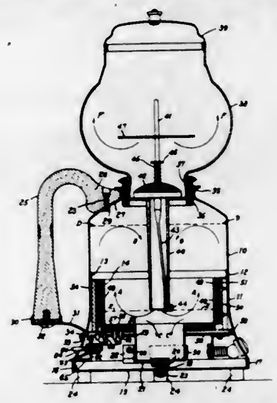
VACUUM COFFEE MAKER

Albert C. Wilcox, Chicago, Ill.

Application May 1, 1946, Serial No. 666,371

9 Claims. (Cl. 99—281)

1. A vacuum coffee maker comprising a lower container having an open upper end, an upper container having a reduced lower portion received in the open upper end of the lower container, means sealing the connection between the upper and lower containers, a depending tube upon the upper container extending into the lower container, a perforate member at the point of communication between the upper and lower containers, a high heat unit and a low heat unit associated with the lower container, a normally open circuit in which said heat units are located,



means for manually closing the circuit to the high heat unit, thermo-responsive means thermally remote from the high heat unit for breaking the circuit to the high heat unit and closing the circuit to the low heat unit when the temperature of the lower container rises to a predetermined point and thermo-responsive means for delaying closing of the circuit to the low heat unit until the temperature of the lower container drops to a predetermined point.

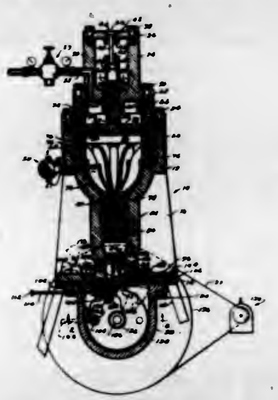
2,576,433

RAPID LOAD TESTING MACHINE

David S. Wood, Sierra Madre, Calif., assignor to the United States of America as represented by the Secretary of the Air Force

Application February 16, 1949, Serial No. 76,766

6 Claims. (Cl. 73—90)



6. In a tensile testing machine, a frame having a main cylindrical bore substantially closed at both ends but with a small bore emanating from each end, a piston rod slidable in one end bore, means on said frame for fastening one end of a test specimen, means on the outer end of said piston rod for fastening the other end of said test specimen, a main piston fast on the inner end of said piston rod and positioned to leave a gas pressure chamber between said main piston and the said one end bore, a relatively small piston in the other end bore thereby forming a liquid pressure chamber between said main piston and the said other end bore, means to control the pressure in said gas pressure chamber, means to control the volume of said liquid pressure chamber, and cam means movably mounted at the outer end of said relatively small piston for controlling the rate of outward movement of said relatively small piston.

2,576,434

MANUFACTURE OF TITANIUM PIGMENTS

Robert William Ancrum, Stockton-on-Tees, England, assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 17, 1945, Serial No. 605,627. In Great Britain July 27, 1943

4 Claims. (Cl. 106—300)

1. Process for the manufacture of rutile titanium dioxide pigments having improved brightness and tone which comprises adding to a hydrolysate of hydrous titanium dioxide derived from a titanium sulphate solution, which hydrolysate on calcination yields directly rutile titanium dioxide, a compound of silicon selected from the group consisting of alkali metal silicates and silicon dioxide in proportion between 0.02% and 0.5% calculated as SiO_2, and calcining the mixture at a temperature of between about 800° C. to 1000° C. to form substantially 100% rutile.

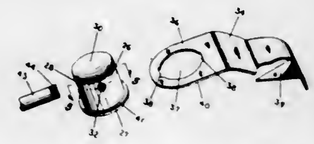
2,576,435

NOZZLE SUPPORT

Charles Bachrach, Des Moines, Iowa, assignor to The Delman Corporation, Des Moines, Iowa, a corporation of Iowa

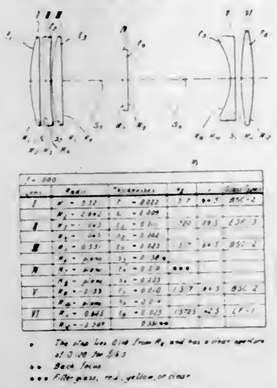
Application April 1, 1948, Serial No. 18,413

1 Claim. (Cl. 20—40.5)



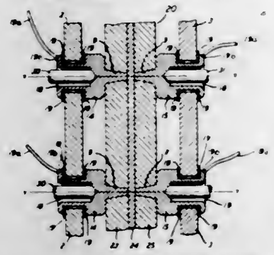
The means for supporting a nozzle structure of a cylindrical shape and formed at the rear end thereof with an annular flange, on a vehicle having a windshield, a molding strip along the front side of the lower edge of the windshield and an engine cowl terminating at said molding strip, said supporting means comprising a resilient mounting member formed at one end with an opening to receive said nozzle structure therein such that the front side of said flange is in abutting engagement with the rear side of said mounting member about said opening, a lateral projection at the other end of said mounting member inserted between said windshield and molding strip, a substantially rigid fluid supply line fluid connected to said nozzle structure adjacent the front end thereof and projected forwardly and downwardly from said nozzle structure for extension through said cowl, and means for securing said fluid supply line to said cowl such that a forwardly directed pressure is applied on said lateral projection through said nozzle structure.

2,576,436
TELEPHOTO TYPE OBJECTIVE LENS
James G. Baker, Orinda, Calif., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York
Application October 8, 1949, Serial No. 120,321
10 Claims. (Cl. 88—57)



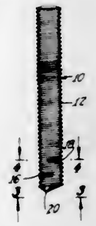
1. A telephoto objective having a telephoto ratio between about 0.77 and 0.85, which comprises a front (long conjugate side) positive component and a rear (short conjugate side) negative component separated by an air space of a length between 0.3F and 0.4F, F being the focal length of the system, the positive component consisting of three air-spaced elements, of which the outer two elements are positive and have indices of refraction lying between 1.47 and 1.62 and the middle element is negative and has an index of refraction higher than the indices of said outer two elements and lying between 1.60 and 1.75 and a front air surface of a radius of curvature between −0.8F and −1.3F, the rear component consisting of a negative front element spaced from a positive rear element.

2,576,437
ELECTRIC CONTACTS
Joseph F. Barry, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1946, Serial No. 668,965
2 Claims. (Cl. 78—17)



1. Extrusion apparatus comprising a unitary die having a single cavity therein provided with oppositely disposed enlarged end openings positioned at opposite sides of said die and a substantially smaller opening positioned adjacent the central part of said cavity intermediate said enlarged end openings, the openings taken at consecutive points spaced along the length longitudinal axis of said cavity being increased in area from said smaller central part opening outwardly in opposite directions to each of said enlarged end openings, means including a work supporting base for detachably fastening said die temporarily in predetermined relation with respect to said base and constituting guide means for providing a fixed reference axis for said longitudinal axis of said die cavity with respect to the work, and punch means carried by said die and having punch member means disposed adjacent said die cavity and in alignment relation with respect to said longitudinal axis of said die cavity and the work.

2,576,438
SELF-LOCKING SCREW-THREADED ELEMENT
Willard C. Beach, Montville, N. J.
Application May 10, 1946, Serial No. 668,915
3 Claims. (Cl. 151—32)



2. A self-locking screw-threaded element having a screw-threaded portion adapted to be entered into an internally threaded blind hole, said threaded portion having a uniform lead and having adjacent the end thereof a plurality of slots extending transversely of the axis of rotation of said threaded portion, each slot entering said threaded portion on one side of said axis and extending from said side across and beyond said axis and said slots overlapping substantially throughout the diameter of said element, there being substantially two turns of thread between the entering end of said element and the slot nearest said end and between adjacent slots, and a nose on the entering end of said element, said nose being eccentrically disposed relative to said axis and positioned on the side thereof from which the slot nearest said end enters said element, said nose being adapted to impinge upon the bottom of said blind hole to cause distortion of said threaded portion in the region of said slots.

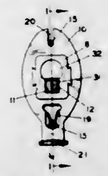
2,576,439
TOY CHAIN
Nico Beck, Zurich, and Werner Borcovec, Locarno/Muralto, Switzerland
Application February 5, 1946, Serial No. 645,530
In Switzerland March 28, 1945
1 Claim. (Cl. 46—1)



A foldable toy chain adapted to be manipulated into a great number of different shapes, comprising, in combination, at least five link means pivoted together at their ends to form a closed ring, each of said link means being composed of a plurality of bars spaced apart and disposed parallel to one another and with the bars of one link means extending between and

overlapping the ends of the bars of the link means pivoted thereto, and pivot means consisting of a spiral spring extending transversely through all of said bars at each pivotal point between adjacent link means and fastened at its ends to the outermost bars at said pivot point, said spring being so tensioned as to produce a tight but manually adjustable fit between all of said bars at the pivotal point to resist pivotal action between adjacent link means one with respect to the other, whereby each link means may be readily held in a fixed position with respect to an adjacent link means in the forming of various shapes and figures.

2,576,440
PRIVACY LATCH
Frank Ellison Best, Indianapolis, Ind.
Application February 4, 1948, Serial No. 6,120
1 Claim. (Cl. 292—359)



In locking means adapted to selectively lock and unlock a knob and spindle assembly against and for rotation respectively, the combination of elements comprising a spindle having longitudinal ridges and an annular groove, knobs securable to said spindle and forming therewith said knob and spindle assembly, roses adapted to support said knob and spindle assembly with latitude for longitudinal movement therein, a spacing spring around said spindle and between a knob and a rose adapted to normally hold said knob and spindle assembly against said longitudinal movement and a manually adjustable locking plate having spindle engaging and spindle releasing portions adapted to selectively engage and release said spindle against and for rotation respectively when said locking plate is in alignment with said ridges and adapted to release said spindle for rotation when the said spacing spring is depressed by forceful longitudinal displacement of said knob and spindle assembly to bring the groove into alignment with said locking plate.

2,576,441
DOORKNOB STRUCTURE
Samuel Bloomfield, Wichita, Kans., assignor to C. Earl Hovey, Kansas City, Mo., trustee
Application February 24, 1948, Serial No. 10,372
3 Claims. (Cl. 292—356)

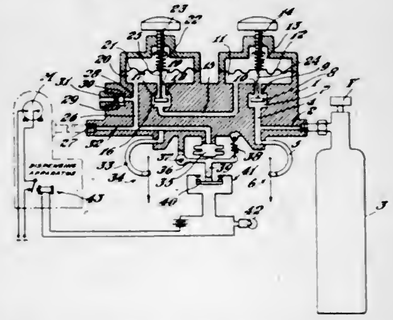


3. In a closure fastening means having a spindle extending laterally from one face thereof and a knob secured to the spindle; rattle preventing means comprising a yieldable member interposed between portions of the knob and said face of the fastening means respectively and biased thereagainst, said member comprising a coil member having a pair of opposed terminal loops, at least a portion of each of said loops being normally disposed in intersecting planes, said coil member being of resilient material whereby to render the loops movable into parallel planes when interposed between said portions.

2,576,442
BIOCHEMICAL OXYGEN DEMAND REDUCTION PROCESS
Joseph N. Borglin, Wilmington, Del., and Irene Woodcock, Upper Black Eddy, Pa., assignors, by direct and mesne assignments, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 30, 1948, Serial No. 52,126
5 Claims. (Cl. 210—2)

1. The process of reducing the biological oxygen demand of an aqueous liquid medium containing organic matter which comprises admixing with said aqueous liquid medium an α,α-dialkylarylmethyl hydroperoxide in the amount of from about 10 to about 200 parts per million parts of said aqueous liquid medium.

2,576,443
PRESSURE REGULATOR
Fred Brandstrom and Nikolai N. Belaef, Westport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application January 23, 1946, Serial No. 642,814
13 Claims. (Cl. 222—63)

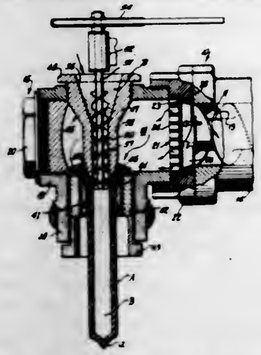


2. In combination with motor-driven apparatus for dispensing carbonated beverage, a pressure-reducing unit and a control unit, each of said units having a casing, the casings having aligned sockets in their outer surfaces, compressible gaskets in the bottoms of said sockets, tubular spacers having their ends seated in the sockets of the respective casings and bearing against the gaskets, bolts detachably uniting the casings, and gas-conducting tubes passing through the tubular spacers from one casing to the other.

2,576,444
ART OF TREATING PLASTIC MATERIALS SUCH AS RUBBER
James C. Clinefelter, Akron, Ohio
Application March 29, 1949, Serial No. 84,221
13 Claims. (Cl. 260—767)

1. A rubber treating process, comprising the steps of continuously kneading and breaking down rubber stock to physically plasticize it, simultaneously advancing said rubber stock towards and through an extrusion die to form a continuous tube of said rubber stock, continuously feeding a compounding agent or agents into said tube as it is extruded in sufficient amount to

fill completely the tube, and mixing the resulting composite product to effect dispersion of said



compounding agent or agents throughout the mass of rubber.

2,576,445

RECOVERY OF VANADIUM VALUES FROM AN ALKALI METAL VANADATE SOLUTION

Sandford Stoddard Cole, Metuchen, and John Stuart Breitenstein, Linden, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 11, 1949, Serial No. 120,826
4 Claims. (Cl. 23—18)

1. A process for the recovery of vanadium values from an alkali metal vanadate solution having a pH from 7.5 to 8.5 which comprises treating said solution with calcium chloride and hydrated lime and precipitating and separating a complex calcium vanadate composition therefrom.

2,576,446

METHOD OF SEALING END CLOSURES TO CONTAINERS

Robert S. Condon, Rutland, Vt., assignor, by mesne assignments, to Continental Can Company, New York, N. Y., a corporation of New York

Original application March 9, 1945, Serial No. 581,899. Divided and this application August 29, 1946, Serial No. 693,773
3 Claims. (Cl. 93—55.1)



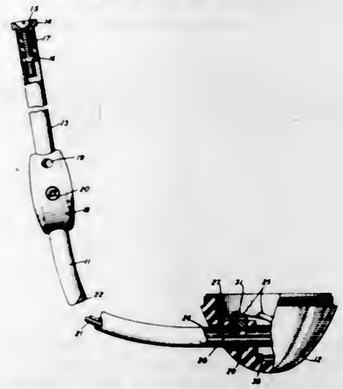
1. The method of sealing a fibre container body with a closure having a downwardly facing sealing channel with an inner generaly cylindrical wall and a downwardly and outwardly tapering outer flange, said wall and flange being of substantially greater depth than the thickness of the body wall, which comprises placing an adhesive in the channel so as to form a band of adhesive in the ceiling thereof, positioning the closure upon the end of the fibre body with the outer flange resting between its extremities upon the outer edge of the body wall with the inner wall being spaced inwardly from the body wall, pressing the closure and body towards each other for moving the end of the body along the outer flange and into the channel for forcing a portion of the adhesive into the space between the body wall and the inner wall of the closure channel, maintaining pressing engagement during said movement between the outer edge of the body wall and the outer flange for retaining the adhesive against outward movement, and finally outwardly expanding the inner wall and inwardly moving the outer flange into gripping engagement with the body wall.

2,576,447

HEAD TELEPHONE SET SUPPORTS

John F. Dalton, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 16, 1950, Serial No. 201,124
3 Claims. (Cl. 179—152)



1. A support for a telephone unit comprising a housing for said unit, a shaft journaled in said housing, said shaft having a slot transverse its axis and within said housing, a collar rotatably mounted on said shaft over the slot, a detent on the inner periphery on said collar and engaging said slot, a projection on the exterior of said collar, and a pair of stops in said housing for engaging said projection and limiting the degree of said housing relative to said collar.

2,576,448

PRODUCTION OF PHENYLTRICHLOROSILANE

William H. Daudt, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application October 3, 1949, Serial No. 119,387
2 Claims. (Cl. 260—448.2)

1. The method of preparing phenyltrichlorosilane which comprises reacting benzene with silicon tetrachloride at a temperature of from 200° C. to 500° C. at a pressure of at least 75 p. s. i. in contact with a metal of groups two to eight inclusive of the Periodic Table, which metal lies above hydrogen in the electromotive series of metals, said metal being present in amount at least sufficient to react with all the hydrogen chloride produced.

2,576,449

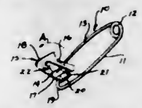
SAFETY PIN

Joseph L. de Lyra, Brooklyn, N. Y.

Application June 1, 1950, Serial No. 165,542
2 Claims. (Cl. 24—157)

1. A safety pin, comprising a wire spring having a support arm continuing into a central coil continuing into a pin shank in a plane common with said support arm and normally positioned above said arm and said pin shank having a pointed end and said central coil acting to urge

said support arm and pin shank into a spaced open condition, a flat sheath-like head having slightly spaced front and back walls normally positioned in planes to the sides of said first-named plane and parallel to said first-named plane, and said front and back walls being joined at their tops with a bent portion socket for receiving and encasing said pointed end of said pin shank in the closed position of said safety pin, said back wall being swivelly mounted on said support arm in order that said flat sheath-like head may pivot from an upward position between said support arm and pin shank to a posi-



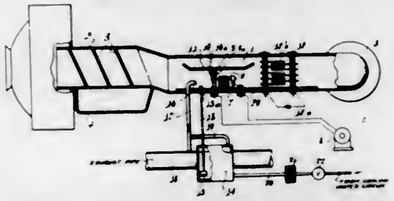
tion downwardly past a plane at right angles to a plane containing said support arm and pin shank, and said flat sheath-like head when in said upward position being of a height less than the distance between the end portions of said support arm and pin shank in said spaced open position in order that said central coil will hold said safety pin in its closed position, and when said flat sheath-like head is in said right angle position said pin shank will engage said front wall in order that said central coil will force said flat sheath-like head open or closed depending upon whether said head is pivoted slightly downwards or upwards.

2,576,450

AUXILIARY CARBURETION DEVICE

Cirilo de Marval, Buenos Aires, Argentina

Application November 21, 1949, Serial No. 128,537
In Argentina October 13, 1949
5 Claims. (Cl. 123—25)



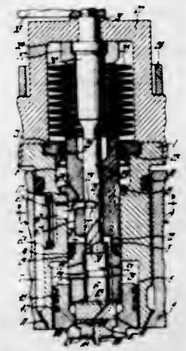
1. An auxiliary carburation device intended to be connected to an intake pipe of an internal combustion engine operating on hydrocarbon fuel and including an exhaust pipe, said device comprising a treatment chamber having an air inlet end and a fluid mixture outlet end, means for coupling said fluid mixture outlet end to said intake pipe, a high tension spark device in said chamber at a position intermediate said ends, a low tension plate type condenser in said chamber located between the spark device and the outlet end, a water tube having a discharge end located in said chamber between the spark device and the air inlet end, a storage tank for water, the end of the water tube remote from the discharge end being located in said storage tank heater and blower means including a mouth located in said chamber between said air inlet end and said water tube and directed towards the fluid mixture outlet end, said heater and blower means including a conduit connected to the engine exhaust pipe and having a branch terminating at said storage tank above the maximum water level therein.

2,576,451

FUEL INJECTION PUMP

John Dickson, Huntington Woods, and Kenneth L. Hulsing, Plymouth, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 17, 1948, Serial No. 15,458
14 Claims. (Cl. 103—41)



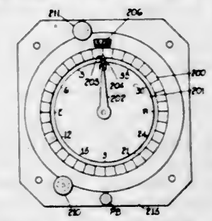
1. In a fuel injection pump, a sleeve closed at one end and having an internal groove adjacent the closed end, a pair of fuel supply ports and a fuel discharge port, a plunger in the sleeve having a pair of grooves normally registering with the sleeve supply ports, one groove serving as a discharge groove, and a passage from the other groove leading to the inner end of the plunger which is normally positioned adjacent the internal groove of the sleeve and forming part of a fuel pumping chamber wall between the inner end of the plunger and the closed end of the sleeve to cause fuel filling of these plunger grooves and passages and the pumping chamber, and means for causing relative movement between the sleeve and plunger to initially cause closure of the sleeve supply ports by the plunger to trap and compress the fuel in the pumping chamber, to next cause registration of the sleeve discharge port and internal groove with the plunger discharge groove and thereby cause discharge of the compressed fuel and to then cause alignment between the internal sleeve groove and inner end of the plunger to end fuel discharge from the chamber.

2,576,452

AIRPLANE APPROACH CONTROL SYSTEM

Oscar S. Field, Sedgwick N. Wight, and Ralph W. Hewes, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

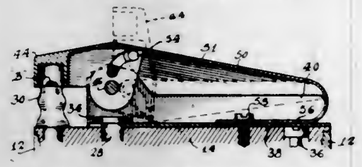
Original application May 7, 1945, Serial No. 592,416. Divided and this application June 10, 1949, Serial No. 98,212
5 Claims. (Cl. 177—311)



1. In an airplane steering aid, a compass needle mounted in an airplane, means acting to

maintain said needle pointing in the same direction regardless of the turning movement of the airplane, a pointer movable about the same axis as said compass needle, an electric motor operatively connected to said pointer and effective to rotate it about said axis at a preselected constant rate, whereby the turning movement of the airplane at that particular rate for a given direction which will cause said compass to rotate in the same direction and at the same rate as said pointer results in said airplane following a prescribed circular path in the body of air in which it is flying.

2,576,453
LIGHTER
Charles A. Fortin, Montreal, Quebec, Canada, assignor to Paul Pouliot, Cote des Neiges, Montreal, Quebec, Canada
Application May 20, 1950, Serial No. 163,299
4 Claims. (Cl. 67—7.1)



1. In a pyrophoric lighter, a casing constituting a fuel reservoir, said casing having a top adapted to support the lighter operating mechanism, an actuating lever mounted on said casing, said actuating lever being resiliently biased to assume a normal position diagonal to said casing top, a spark wheel mounted on said casing for rotation about an axle mounted parallel with and transverse to said casing top, a snuffer cap mounted on said casing so as to surround a major portion of said spark wheel and being mounted for pivotal movement about said spark wheel axle, actuating means between said spark wheel and snuffer cap whereby pivotal movement of said cap rotates said spark wheel in one direction, said snuffer cap including at each side an elongated slot of arcuate outline disposed adjacent to and extending radially of said spark wheel axle, said actuating lever having extended end portions at each side adapted to overlap at least a minor portion of said snuffer cap and being pivotally connected thereto by a shaft journalled between said lever end portions and passing through each of said snuffer cap arcuate slots, said actuating lever including a resilient connecting piece connected to the casing top and normally supporting the actuating lever in a position diagonal to said casing top adapting said connecting shaft supported by said actuating lever end portion to travel inwards and downwards in an arcuate path relative to said pivotal axis upon depression of said actuating lever whereby depression of said actuating lever is adapted to cause pivotal movement of said cap, said pivotal movement being accelerated as the actuating lever descends by reason of the connecting shaft moving inwards along said arcuate slots towards said common pivotal axis.

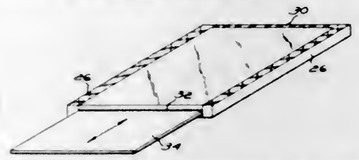
2,576,454
SCREW HOLDING SCREW DRIVER
Roy E. Gearhart, Kansas City, Mo., assignor to Herbert H. Twente, Independence, Mo.
Application November 12, 1947, Serial No. 785,314
7 Claims. (Cl. 145—50)

1. A screw holder comprising a hollow shank, said shank being open at one end and having a handle portion on its opposite end; a pair of gripping members in side-by-side relation to each other in the shank and mounted for sliding and partial rotative movement in the shank, said gripping members each having a blade portion on one end extending through the open end of the



shank for entering a screw slot, said blade portions being spaced substantially the same distance from the open end of the shank; and interengaging means on said gripping members and the shank to effect partial relative rotation of the members for gripping a screw in response to sliding movement of said members in said shank.

2,576,455
ORTHOPEDIC PAD
Barnie Gratt, Worcester, Mass.
Application May 2, 1950, Serial No. 159,555
2 Claims. (Cl. 5—354)

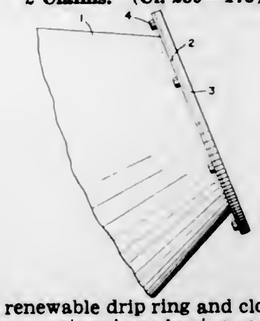


1. An orthopedic pad comprising a lower padding and an upper padding, the two paddings being secured together at three edges thereof, the fourth edge being open forming a receptacle, one of said paddings being thicker than the other, a wide heavily sewn border joining the paddings at the side edges thereof, and a stiffening board located between the paddings.

2,576,456
MATERIALS OF HIGH MAGNETIC PERMEABILITY
Robert L. Harvey and Humboldt W. Leverenz, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 31, 1946, Serial No. 719,594
7 Claims. (Cl. 252—625)

1. A composition of matter comprising the reaction product produced by heating together at temperatures exceeding 950° C. in an oxygen-containing oxidizing atmosphere an intimate mixture of Fe_2O_3, MgO and at least one oxide of a trivalent metal from the class consisting of aluminum, gallium and gadolinium in which the molar ratio of Fe_2O_3 and MgO is from $2Fe_2O_3 \cdot MgO$ to $Fe_2O_3 \cdot 2MgO$ and the proportion of said trivalent metal oxide is from .0025 to about 0.1 mole per mole of Fe_2O_3.

2,576,457
RENEWABLE DRIP RING AND CLOSURE SEAT FOR CONCRETE MIXERS
Robert M. Henderson, Bound Brook, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application May 31, 1950, Serial No. 165,148
2 Claims. (Cl. 259—175)



1. In a renewable drip ring and closure seat for rotatable concrete mixers having an end opening on the mixing drum thereof, a drip ring seat connected to and formed on the outer circumference of the mixing drum about said opening perpendicular to the axial line of said mixing drum, a drip ring and closure seat member, threaded means extending through circumferentially spaced annular openings and engaging said drip ring and closure member for detachably connecting said drip ring and closure seat member to the drip ring seat, the outer surface of said drip ring seat being substantially flat, the inner surface of said drip ring and closure seat member having a flat face for seating itself on said flat outer face of the drip ring seat, the outer surface of said drip ring and closure seat member having an annular seating means projecting laterally thereof along the axial line of the mixing drum for seating a suitable non-rotatable end closure for said mixing drum.

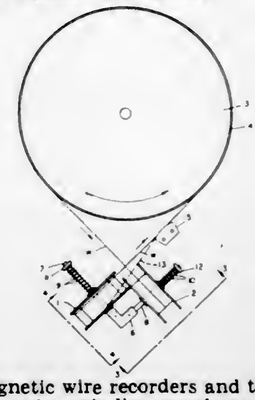
2,576,458
STABILIZED ORGANIC COMPOSITIONS
Eugene F. Hill, Detroit, and Franklin H. Baldwin, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 7, 1950, Serial No. 154,722
8 Claims. (Cl. 44—75)

1. A new composition stable to oxidation consisting essentially of an organic material normally tending to deteriorate in the presence of oxygen, and a substituted ethanolamine, present in quantity sufficient to inhibit such deterioration, having the general formula

$$HO-\underset{\displaystyle X}{\underset{|}{C}}H-\underset{\displaystyle Y}{\underset{|}{C}}H-NH-B$$

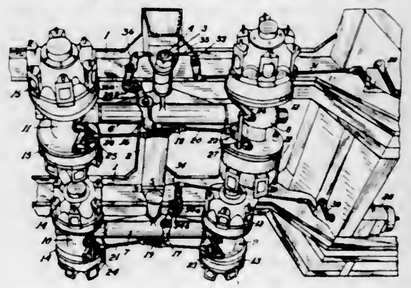
wherein one of X and Y is hydrogen, and the other is selected from the group consisting of alkyl, phenyl, alkoxymethylene and phenoxymethylene, and B is selected from the group consisting of p-aminophenyl, p-hydroxyphenyl, p-(N-alkylamino) phenyl, and 2- and 3-alkyl-4-hydroxyphenyl.

2,576,459
DRIVE FOR MAGNETIC-WIRE RECORDERS
Lawrence J. Holzman, Cleveland, Ohio
Application May 14, 1945, Serial No. 593,655
8 Claims. (Cl. 242—54)



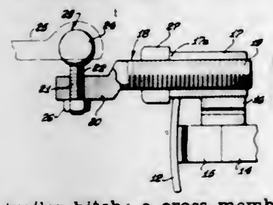
1. In magnetic wire recorders and the like, the combination of a winding spool, an unwinding spool, rectangularly related spindles whereon said spools are respectively rotatably mounted, said winding spool being also axially shiftable on its spindle, resilient means associated with said last-named spindle whereby the spool thereon is laterally pressed against a peripheral portion of the other spool, and a rotatable power driven member wherewith the wire engages in passing from said unwinding to said winding spool.

2,576,460
TRAILER BRAKE AND EQUALIZATION SYSTEM
Luther J. Hughes, Reading, Pa.
Application August 12, 1949, Serial No. 109,946
9 Claims. (Cl. 188—2)



1. In a heavy duty vehicle frame having wheel supporting means therefor including a longitudinally extending beam pivotally mounted centrally on a transverse axis and pairs of wheel hubs rockably mounted in the end portions of said beam, brake operating and equalizing means including a brake operating lever pivotally mounted on said beam in offset relationship to said axis, and having an arcuate edge portion with said transverse axis as a center, a brake linkage for operating said lever, including a power lever pivotally mounted on said frame and having solely a slidable connection with said brake operating lever arcuate edge portion, said edge portion being shaped so that rocking movements thereof about said transverse axis will impart no motion to said power lever through said slidable connection.

2,576,461
REMOVABLE TRAILER HITCH
Archer W. Kammerer, Fullerton, Calif.
Application August 12, 1948, Serial No. 43,790
12 Claims. (Cl. 280—33.44)

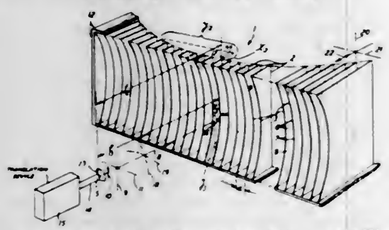


1. In a trailer hitch: a cross-member adapted to be secured to a vehicle having a rear bumper; a threaded member attached to said cross-member and extending to a point adjacent said bumper; an extension threadedly attached to said threaded member and having a portion offset in a downward direction with respect to the axis of said member; and a trailer coupling element secured to said offset portion and extending substantially perpendicular thereto.

2,576,462
RECOVERY OF VANADIUM VALUES FROM WASTE LIQUORS
Franklin L. Kingsbury, Westfield, and Frank J. Schultz, Fords, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 18, 1948, Serial No. 49,996
2 Claims. (Cl. 23—19)

2. Method for the separation of vanadium values from a precipitated ferrous sulfate monohydrate containing the same which comprises admixing said monohydrate with water to convert the monohydrate to heptahydrate, said water being employed in an amount such that for every one part of monohydrate by weight from about 0.95 part to about 1.27 parts water are added to convert the monohydrate to heptahydrate in a slurry environment, then separating the heptahydrate crystals from the liquid phase of said slurry containing dissolved therein the vanadium values.

2,576,463
METALLIC LENS ANTENNA
Winston E. Kock, Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1947, Serial No. 794,528
3 Claims. (Cl. 250—33.63)

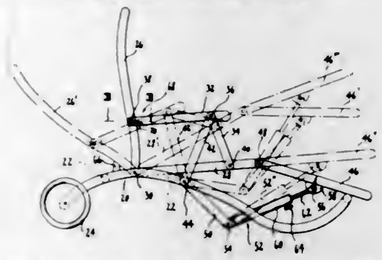


1. A biconcave electromagnetic metallic lens for focussing waves having a given wavelength, said lens having a point-focus and comprising a plurality of parallel dielectric channels, each channel comprising a pair of parallel flat metallic members and a dielectric medium included therebetween, said members having one set of longitudinal edges facing toward said focus and constituting one concave side of said lens and another set of longitudinal edges facing away from said focus and constituting the opposite concave side of said lens, one of said sides having in a given plane an elliptical contour and the other of said sides having in a plane perpendicular to said first-mentioned plane a hyperbolic contour.

2,576,464
FROTH FLOTATION OF SILICEOUS IMPURITIES FROM CELLULOSE
Arthur Langmeier, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 5, 1949, Serial No. 108,867
15 Claims. (Cl. 209—166)

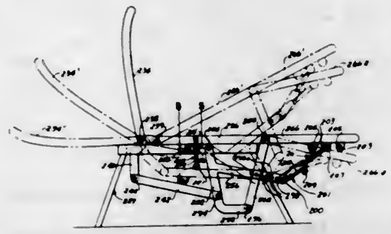
1. In the purification of a cellulosic material containing siliceous impurities, the process which in combination comprises forming a dilute aqueous slurry of the cellulosic material, dispersing in the slurry a cationic surface-active flotation agent for the siliceous impurities and a surface tension depressant for the water, agitating and aerating the system thus formed, continuously removing froth formed on the surface of the system during agitation and aeration, and separating purified cellulosic material from the system.

2,576,465
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application December 29, 1945, Serial No. 637,936
11 Claims. (Cl. 155—106)



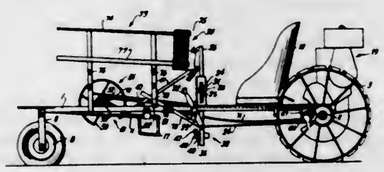
1. An article of repose for supporting the body of a person, comprising in combination: a support, a constrained linkage having stationary link means and a plurality of movable links, said stationary link-means being included in said support, said movable links including a seat member, a back rest member, a guiding link and a chain of connecting links including a top connecting link at one end of the chain and a front connecting link at the other end of the chain, at least one of said connecting links being arranged above the plane of the seat member, the lower end of said guiding link being pivoted to said support, the upper end of said guiding link being connected with at least one of said connecting links, said top connecting link being pivoted to an intermediate point of the back rest member, said front connecting link being pivoted to the front portion of said seat member, means pivotally connecting at least one of said back rest and seat members with said support, a leg rest swingably mounted on the front portion of said seat member, a controlling member fixedly connected to said guiding link, and means, interposed between said controlling member and said leg rest, for effecting movement of the latter in coordination with said controlling member.

2,576,466
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application January 22, 1946, Serial No. 642,652
8 Claims. (Cl. 155—105)



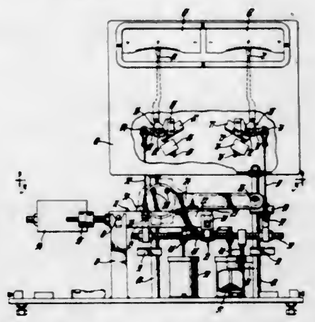
1. An article of repose for supporting the body of a person, comprising in combination: a support, a constrained linkage having stationary link-means and a plurality of movable links, said stationary link-means being included in said support, said movable links including a seat-member, a downward extension of a back-rest-member, a guiding link and a chain of connecting links including a lower connecting link at one end of the chain and a front connecting link at the other end of the chain, at least one of said connecting links being arranged below the plane of the seat-member, the upper end of said guiding link being pivoted to said support, the lower end of said guiding link being connected with at least one of said connecting links, said lower connecting link being pivoted to the downward extension of the back-rest-member, said front connecting link being pivoted to the front portion of said seat-member, means pivotally connecting at least one of said back-rest- and seat-members with said support, a leg-rest swingably mounted on the front portion of said seat-member, a controlling member fixedly connected to said guiding link, and means, interposed between said controlling member and said leg-rest, for effecting movement of the latter in coordination with said controlling member.

2,576,467
WICKET DRIVING VEHICLE
Duane H. Lukens, Kent, Ohio
Application March 3, 1950, Serial No. 147,429
20 Claims. (Cl. 61—75)



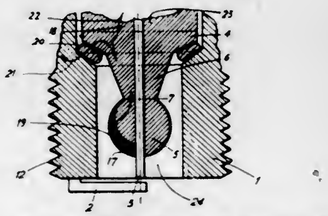
1. An implement for driving articles into the ground at evenly spaced intervals, comprising a vehicle, a hammer pivoted on the vehicle for swinging in a generally vertical path, means to lift the hammer and hold it raised during a predetermined extent of linear progress of the said vehicle and to drop the said hammer cyclically in response to progress of said vehicle, and stop means on said vehicle located in the path of fall of said hammer, and arranged to interrupt fall of said hammer short of contact of said hammer with the ground.

2,576,468
WEIGHING SCALE FOR DETERMINING MASS DISTRIBUTIONS
William G. Martin, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 18, 1950, Serial No. 174,451
7 Claims. (Cl. 73—65)



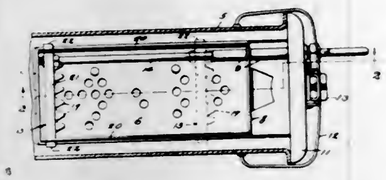
1. In a device of the class described, a main lever pivotally supported for movement about a first axis, a second lever pivotally supported intermediate its ends on said main lever for movement about a second axis spaced from and extending substantially parallel to said first axis, means on said second lever for supporting an article to be weighed in a substantially predetermined position relative to said second axis and with the ends of said article on horizontally opposite sides of said second axis, and a force counterbalancing pendulum and balance indicating means connected to each end of said second lever.

2,576,469
SPARK PLUG
Maurice Jules Marty, Paris, and Georges Henri Muller, Poissy, France
Application April 29, 1949, Serial No. 90,388
In France May 3, 1948
4 Claims. (Cl. 123—169)



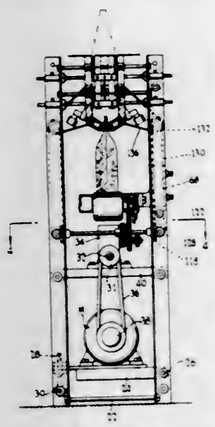
1. A spark plug comprising a shell, the free inner chamber of which is substantially cylindrical, a central electrode located along the longitudinal axis of said cylindrical chamber, an insulator surrounding said electrode and maintaining the same in the shell, said insulator comprising a body portion, a substantially spherical portion forming the inner tip of the insulator and disposed in said free inner cylindrical chamber of said shell and a truncated cone-like neck portion uniting said substantially spherical tip portion to the body of the insulator and forming an abrupt change in section at the intersection of the smallest end of the cone-like neck portion with said spherical tip portion, and a ground electrode fixed to the shell and cooperating with said central electrode.

2,576,470
STRAINER CLEANER
Omer W. May, Georgetown, Ky.
Application February 4, 1948, Serial No. 6,271
1 Claim. (Cl. 210—151)



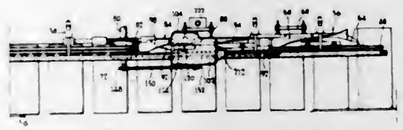
In a strainer, an elongated curved perforated strainer body having its upper side open and having an inlet opening formed in one end thereof, a scraper blade fitted within the body and curved to conform to the shape of the body, guide members on the upper edge of the blade contacting with the upper edge of the strainer body guiding the blade in its movements longitudinally of the strainer body, a curved line of teeth extending inwardly from the lower edge of the blade, said teeth being disposed in close proximity with each other providing V-shaped cleaning spaces, a rod secured to said blade and by means of which the blade is moved longitudinally of the body, scraping the inner surface of the body and removing lint from the perforations thereof.

2,576,471
BAG HANDLING MACHINE HAVING MEANS FOR DRIVING THE BAG DOWNWARDLY AND CLOSING THE MOUTH THEREOF
Edwin E. Messmer, Flushing, and John D. Sylvester, Garden City, N. Y., assignors to Amsco Packaging Machinery Inc., Long Island City, N. Y., a corporation of New York
Application April 13, 1946, Serial No. 662,050
16 Claims. (Cl. 226—56)



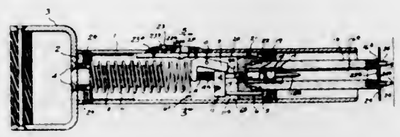
1. A machine for handling bags having front and back faces, said machine comprising means to guide bags bottom first downwardly along a predetermined line of travel having a substantial vertical component, a wide element disposed alongside the path of travel of the bags, means to mount said element for movement from a position in which it lies in the path of travel of one of said bag faces to a position in which it is clear of the path of travel of the bag, means to urge said element to its first-named position whereby said element bears against said bag faces as the bags move downwardly through the machine, an element disposed to engage the opposite face of a bag, rotary elements on opposite sides of said guide means and disposed to engage the opposite faces of bags passing through said guide means, and means to turn said rotary elements in a direction to drive the bags downwardly through the machine.

2,576,472
GLUE APPLICATOR FOR BAG SEALING MACHINES
Edwin E. Messmer, Flushing, and John D. Sylvester, Garden City, N. Y., assignors to Amsco Packaging Machinery Inc., Long Island City, N. Y., a corporation of New York
Application April 7, 1948, Serial No. 19,474
1 Claim. (Cl. 91—51)



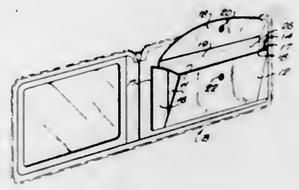
A glue applicator comprising a small local sump, a large glue reservoir having the level of the glue therein below the level of the glue in said sump, a drum, a horizontal shaft on which said drum is mounted, said drum having a portion disposed beneath the level of the glue in the reservoir and a portion disposed above the level of the glue in the sump whereby as the drum rotates it will lift the film of glue from the level of the glue in the reservoir to above the level of the glue in the sump, means at a level above the sump to remove at least a portion of said film from said drum, means to direct the glue thus removed into the sump, means to direct glue overflow from the sump back to the reservoir, an applicator roll, a horizontal shaft on which said roll is mounted, said roll having a portion thereof within the glue in the sump, said two shafts being in the same horizontal plane and being disposed at an angle to one another, a miter gear on each shaft, said miter gears being intermeshed, a second gear on one of said shafts, a source of motive power, a frame, a vertical shaft rotatable in said frame, a take-apart clutch including two halves, one of said halves being mounted on said vertical shaft, said one half comprising a set of upwardly extending teeth disposed in a circle concentric about the vertical shaft, the other half of said take-apart clutch comprising a set of downwardly extending teeth spaced to interengage with the teeth of said one half, a second vertical shaft in alignment with the first vertical shaft and located above the same, said other half of the take-apart clutch being secured to the second vertical shaft, a gear on the second vertical shaft meshing with the second gear, said second vertical shaft being movable bodily with the glue applicator, and means to detachably attach the glue applicator to the frame whereby when said attaching means is detached and the glue applicator is lifted, said applicator is disconnected from the source of power.

2,576,473
METHOD OF SECURING A FASTENING ELEMENT IN CONCRETE
Cornelius W. Meyers, Portland, Oreg., assignor to Powder-Power Tool Corp., Portland, Oreg., a corporation of Oregon
Application February 1, 1950, Serial No. 141,763
5 Claims. (Cl. 1—1)



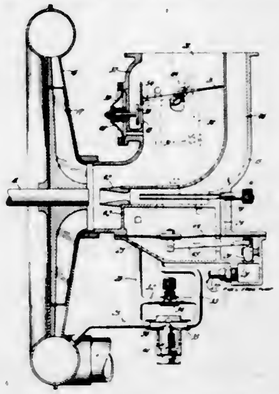
1. The method of embedding a fastening member having an enlarged head into a solid mass of concrete comprising, providing a device for driving said member by means of an explosive charge, directing said device toward the area to be penetrated but spaced a distance therefrom, arranging a shield having a dome-shaped center between said device and said area, and driving said member through the center of said shield and into said concrete until the enlarged head has flattened said dome-shaped center and is seated against said shield, said shield functioning to create a high pressure area on said concrete surface adjacent the point of entry of said member and to prevent high velocity gases developed from said explosive charge from impinging on the concrete surface surrounding the area entered by said member and blasting concrete therefrom, whereby a bond between said member and said concrete is formed.

2,576,474
AUTOMATICALLY EXPANDING POCKET
Daniel J. Nash, Jersey City, N. J., assignor to Nash Inc., Jersey City, N. J., a corporation of New Jersey
Application March 16, 1949, Serial No. 81,785
2 Claims. (Cl. 150—38)



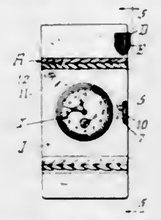
1. In a pocket having a front wall and a rear wall secured together along their bottom and side edges and open at the top, a V-shaped sheet of spring material disposed within the pocket, the legs of the sheet being substantially coextensive in area with the front and rear walls of the pocket, one leg of the V being permanently secured to the front wall of the pocket, the other leg of the V bearing against the rear wall of the pocket, the pocket having a pair of compartments therewithin, one compartment being formed by and between the legs of the V, and the other compartment being defined by the space between the rear wall and the leg of the V bearing thereagainst, the legs of the V-spring being biased to spread apart the free ends thereof.

2,576,475
INTERNAL-COMBUSTION ENGINE CARBURETION SYSTEM
Lester E. Perrine, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 31, 1944, Serial No. 528,825
10 Claims. (Cl. 261—24)



1. In a two stroke cycle internal combustion engine, a pump for advancing air to a cylinder of the engine at such a rate that the pressure of the air on the engine side of the pump exceeds the pressure of the atmosphere, a duct through which air is conducted from the atmosphere to the pump, a throttle valve in the duct, the duct being substantially unrestrictive when the throttle valve is open, a fuel reservoir, means for advancing fuel into the reservoir, normally open means for transmitting pressure of the air on the engine side of the pump to the fuel in the reservoir to meter its introduction into the duct, and means for conducting fuel from the reservoir into the duct on the pump side of the throttle valve.

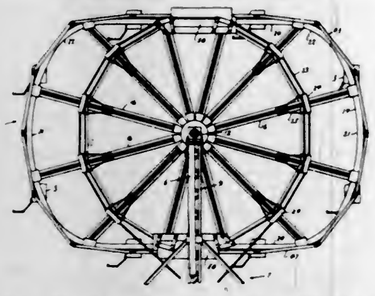
2,576,476
WATCH MOUNTED ARTICLE
Albert Peter, New York, and Joseph Kainen, Bronxville, N. Y., assignors to Tempus Manufacturing Company, Long Island City, N. Y., a corporation of New York
Application March 23, 1949, Serial No. 83,064
4 Claims. (Cl. 58—88)



1. The combination of a casing having two adjacent angularly related walls, a watch having a case, a stem, and a crown, and means mounting said watch case on one of said walls with the periphery of said crown approximately flush with the surface of said wall and with the outer end of said crown approximately flush with the surface of the other of said walls, whereby said crown is protected against injury, said mounting means being adjustable to move said crown out-

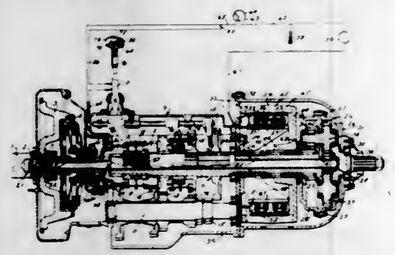
wardly beyond the surface of the second-mentioned wall for manual manipulation, and including a plate slidably mounted on the first-mentioned wall and in which said watch case is mounted, said plate having one edge normally flush with the second-mentioned wall and formed with a notch opening through said edge and through opposite sides of the plate, said watch crown being disposed in said notch normally with its outer end approximately flush with said edge of the plate and with its periphery approximately flush with the outer side of the plate, and at least one side of said plate being recessed at the edges of said notch to form finger clearance for manual manipulation of said crown.

2,576,477
FERRIS WHEEL
Wilton Powell, Houston, Tex.
Application May 8, 1948, Serial No. 25,820
7 Claims. (Cl. 104—76)



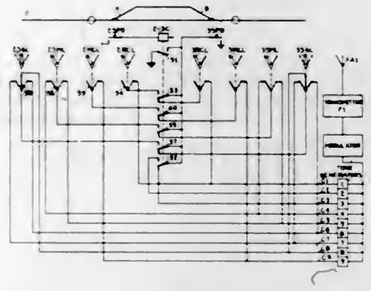
1. In a Ferris wheel of the character described, a frame, a shaft horizontally supported therein, a wheel supported on the shaft and having a pair of spaced rim sections, cars swingably supported between the rim sections, means carried by the wheel for moving the cars along the rim sections, a brake for said means carried by the wheel, and means mounted outside the wheel for operating the brake.

2,576,478
HEAVY-DUTY TRANSMISSION
Raymond A. Beckwith, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application December 3, 1946, Serial No. 713,722
8 Claims. (Cl. 74—740)



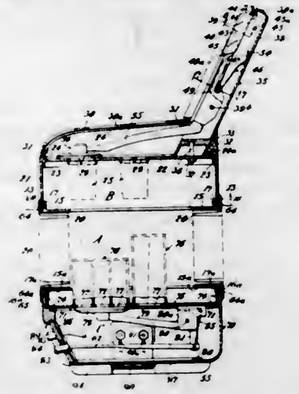
1. A power transmission for transmitting power from a driving member to a driven member, comprising, in combination, a driving member, a driven member, a change speed gear mechanism including a plurality of selectively operable reduction gears operatively connected to the driven member, manual means to operate said change speed mechanism, a friction clutch for connecting the speed change gear mechanism to the driving member and for disconnecting the same therefrom, at will, during periods of speed changing, an electric-magnetic power transmission unit including an eddy current device having a field and an armature normally rotatable relative to each other responsive to the driving member during transmission of power to the driven member through the change speed gear mechanism, and means for transmitting power from the driving member to the driven member independently of the change speed gear mechanism during periods of speed changing of the latter, said last-named means including a planetary gear system operatively connected to the driving member, the driven member, and to the eddy current device, and means for energizing the eddy current device responsive to operation of the manual means and disengagement of the said friction clutch to cause the relative rotation of the field and armature to be reduced and consequent actuation of the planetary gear system to transmit power directly from the driving member to the driven member through the planetary gear system.

2,576,479
CENTRALIZED TRAFFIC CONTROLLING SYSTEM
Frank X. Rees, Chili, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application November 12, 1947, Serial No. 785,327. Divided and this application August 15, 1950, Serial No. 179,443
7 Claims. (Cl. 177—353)



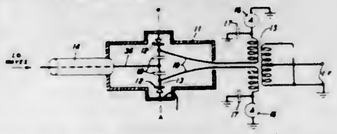
6. In a centralized traffic control system of the character described for the communication of indications of the conditions of a plurality of devices from a field station to a control office, a transmitter at the field station effective to transmit a series of selected distinctively characterized pulses, each pulse being distinctively characterized in accordance with the condition of a different one of said devices, and a selector circuit network governed by changes occurring in the conditions of said device, said selector circuit network acting to govern the distinctive characters of the pulses transmitted for indicating conditions of the respective devices, said selector circuit network acting to permit the respective transmission of pulses only in response to new changes occurring in the conditions of the devices with which said pulses are respectively associated, whereby the transmission of indications of the conditions of said devices is accomplished by the transmission of pulses only in response to new changes occurring since pulses indicating the conditions of those respective devices were last transmitted.

2,576,480
ACCORDION
Richard R. Rieschick, New York, N. Y.
Application June 10, 1947, Serial No. 753,683
6 Claims. (Cl. 84—376)



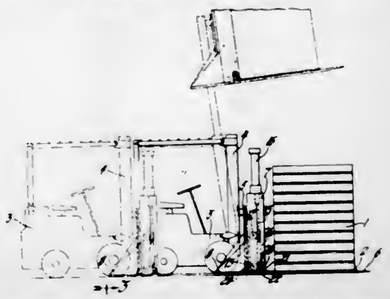
1. In an accordion, a bellows, a frame for each open end of the bellows, said frame having a marginal flange, an end member having a shoulder at its interior, and a circumferential wall, a membrane having a marginal rim seated against said shoulder, for supporting reeds, a second end member having a shoulder at its interior, and a circumferential wall, a membrane having a marginal rim seated against the shoulder of the second end member for supporting reeds, means fastening the flange of the frame of one end of the bellows to the wall of the first end member, and means fastening the flange of the frame of the other end of the bellows to the wall of the second end member, said parts forming the main structure of the accordion.

2,576,481
BALANCED CRYSTAL MICROWAVE CONVERTER
George Rodwin, Randall Manor, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1948, Serial No. 41,025
6 Claims. (Cl. 250—20)



1. In a balanced converter, a section of straight hollow pipe dielectric wave guide of rectangular cross-section through which a first set of electromagnetic oscillations is propagated, a section of coaxial conductor over which a second set of electromagnetic oscillations is transmitted, said coaxial conductor having its outer conductor connected to a narrow wall of said guide and having its inner conductor extended through an aperture in said narrow wall to a central point in said guide, a pair of electrical pick-up members coupled to said inner conductor of the coaxial section at said central point of said guide and extending in opposite directions therefrom being parallel to the electric vector of the electromagnetic waves being propagated in said guide and each of said pick-up members connected to a non-linear impedance element which has an outer terminal connected to its adjacent wide wall of said wave guide section, and output transmission elements each connected to one of said electrical pick-up members.

2,576,482
SHEET PALLET STACKER
Gustaf W. Rydner, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 15, 1947, Serial No. 779,901
13 Claims. (Cl. 214—65)



1. For handling material loaded on a sheet pallet, a truck having a load carrying plate arranged to be skidded under a pallet in the operation of loading the plate, a self-contained power actuated loader unit movably mounted on the plate, a pallet edge gripper device forming a part of and movable with said loader unit, and operating mechanism therefor including a plate engaging follower movably mounted on said unit and operably connected with the gripper device and a follower track on the plate having a contour for causing follower actuation during unit travel relative to the plate to set the gripper device in pallet edge release position at the forward travel limit of the loader unit adjacent the leading edge of the plate and to set the gripper device in pallet edge gripping relation for exerting a pulling hold on the pallet as the plate skids thereunder and travel of the unit is away from the leading edge of the plate.

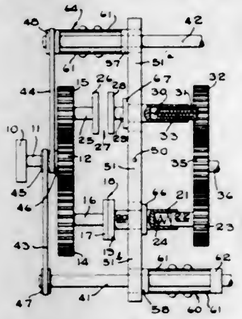
2,576,483
METHOD FOR SOLUBILIZING TITANIFEROUS MATERIALS
Frank J. Schultz, Fords, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 14, 1949, Serial No. 71,043
6 Claims. (Cl. 23—87)

1. Method for preparing chloride solution of titanium from titaniferous material which comprises extracting said material at temperature substantially above 60° C. but not more than 90° C. with strong aqueous hydrochloric acid in the presence of from 0.1% to about 10% of fluoride ions, calculated as HF and based on the weight of TiO_2 in said material.

2,576,484
TRANSMISSION ARRANGEMENT
Günther Schulze, Valparaiso, Chile
Application October 16, 1950, Serial No. 190,283
7 Claims. (Cl. 74—336.5)

1. A transmission arrangement comprising a drive and a driven shaft, first and second gear

trains interposed between said shafts, a first clutch interposed in said first gear train, an extensible spindle supporting one of the members of said first clutch, a second clutch interposed in said second gear train, a second extensible spindle supporting one of the members of said second clutch, an oscillatable lever arranged to engage with its opposite arms said first and second extensible spindles, spring means effective to yieldably hold said lever in a position wherein



its arms maintain said first extensible spindle in an extended position causing engagement of its respective clutch, while holding said second extensible spindle in a contracted position maintaining its associated clutch in disengaged condition, and means operable in response to an increase of the rotational speed of one of said shafts beyond a predetermined value to reverse the condition of said spindles and of the clutches mounted thereon against the urgency of said spring means.

2,576,485
MORTISING MACHINE WORK HOLDING ATTACHMENT TO DRILL PRESS
Howard V. Schwandt, Walla Walla, Wash.
Application April 2, 1948, Serial No. 18,701
3 Claims. (Cl. 144—84)



1. A mortising attachment for positioning and holding work to be mortised in a drill press, comprising in combination, a support securable to a rigid portion of said drill press, a rod secured to and extending horizontally forward from said support over the top edge of work to be mortised, a jaw-supporting member slidable on said rod, a clamping jaw carried by said member and depending below the axis of said horizontal rod, a second jaw-supporting member slidable on said rod, a clamping jaw pivotally carried by said second member, and adjustable threaded means engaging both of said jaw-supporting members for sliding said clamping jaws toward each other simultaneously into engagement with the sides of work below said horizontal rod, said pivotally-carried depending jaw being swingable on a horizontal axis to a position above the top edge of the work to facilitate the entry and removal of work to and from said positioning jaws.

2,576,486
ORGANOSILICON POLYESTERS
John Leopold Speier, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application February 2, 1950, Serial No. 142,079. In Canada May 13, 1949
12 Claims. (Cl. 260—75)

1. The method of preparing organosilicon polyesters which comprises interacting a dicarboxylic acid and a compound of the general formula $AcCH_2R_2SiOSiR_2CH_2Ac$ in which Ac represents acyloxy in which the acyl group is the acyl group of a monobasic monocarboxylic acid and R represents hydrocarbon radicals selected from the group consisting of alkyl and aryl radicals, and removing the carboxy acid formed during the course of the reaction.

2,576,487
DEICING SYSTEM FOR AIRCRAFT SUSTAINING ROTOR BLADES
Paul H. Stanley, Huntingdon Valley, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application June 26, 1947, Serial No. 757,147
3 Claims. (Cl. 244—134)



3. In an aircraft sustaining rotor having a hub and a blade connected therewith, a duct carried by the blade for delivery of a deicing fluid to the surface of the blade, a source of supply of deicing fluid mounted for rotation with the rotor, and a connection between said source and said duct including a manually controllable valve.

2,576,488
CRIMPED PLATE CAPACITANCE STRAIN GAUGE
John R. Stovall, Jr., Doylestown, and Irving Weintraub, Neshaminy, Pa., assignors to Tinius Olsen Testing Machine Company, Willow Grove, Pa., a corporation of Pennsylvania
Application January 20, 1950, Serial No. 139,561
9 Claims. (Cl. 175—41.5)



1. A gage comprising two plane condenser plate elements mounted in parallel confronting relationship one to the other, and on the inner surface of each such element a layer of dielectric material, the inner face of the dielectric material

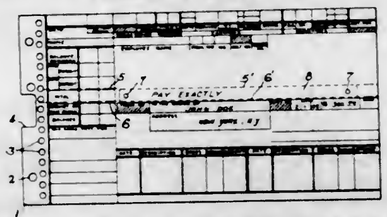
of each such layer being defined in part by a surface inclined with respect to the plane of a plate element, the inclined portion of one such layer being parallel to and in sliding engagement with the inclined portion of the other said layer.

2,576,489
CAPACITANCE STRAIN GAUGE
John R. Stovall, Jr., Doylestown, Pa., assignor to Tinius Olsen Testing Machine Company, Willow Grove, Pa., a corporation of Pennsylvania
Application January 20, 1950, Serial No. 139,562
6 Claims. (Cl. 175—41.5)



1. A capacitance strain gage comprising a pair of plate elements electrically insulated from one another but interconnected at two separate points lying in a plane, the portions of the plate elements at the points of interconnection being in fixed, abutting relationship, a portion of one of said plates between said points being displaced from said plane in a direction generally perpendicular to said plane, and a portion of the other plate between said points being capable of elongation.

2,576,490
ACCOUNTING SHEET
Fred W. Trumbull, Los Altos, Calif.
Application March 20, 1950, Serial No. 150,726
1 Claim. (Cl. 283—66)



An accounting sheet comprising a substantially rectangular foldable sheet having printed forms on its front and rear sides and a vertical row of spaced pin receiving holes adjacent an end thereof, a detachable elongated strip forming an integral portion of the sheet and having its ends spaced inwardly from the opposite ends of the sheet, the said strip being bounded at its opposite elongated edges by longitudinal rows of perforations, the said strip when detached from the sheet forming an elongated opening in the sheet, and a fold line formed in the sheet, the said fold line being an extension of one of the rows of perforations, whereby a certain portion of one of the printed forms on the sheet will be visible through the elongated opening when the sheet is folded along the fold line.

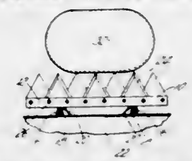
2,576,491
COMPOSITE SHEET MATERIAL
Joseph Ulano, Brooklyn, N. Y.
Application May 21, 1948, Serial No. 28,457
4 Claims. (Cl. 101—128.2)

1. A composite sheet for use in forming silk screen stencils including a backing sheet of vinyl resin comprising a copolymer of a vinyl halide and a vinyl ester of an aliphatic acid, said backing sheet having an average thickness of about 0.005 inch and being dimensional stable in the presence of moisture, a cuttable stencil film, and



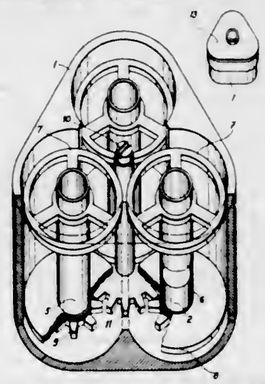
a thin layer of strippable adhesive firmly securing the stencil film to the backing sheet.

2,576,492
BAG SLITTER
Frank J. Vogel, Kansas City, Mo.
Application May 5, 1947, Serial No. 746,122
2 Claims. (Cl. 30—296)



1. A bag slitter comprising an elongated body member, a cutting blade fixed to said body member, said cutting blade comprising a plurality of unit sections disposed along and removably fixed to said body member, each of said unit sections having a pointed triangular cutting blade overlapping the adjacent blade sections to form a continuous serrated cutting edge extending the length of said body member, and means for supporting said body member over the mouth of a hopper or the like.

2,576,493
SPOOLED FILM DEVELOPER BOX
Helmuth von Stwolinski, recte Müller-Stwolinski, Salzburg-Maxglan, Austria
Application February 17, 1948, Serial No. 8,965
In Austria November 25, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires November 25, 1966
4 Claims. (Cl. 95—90.5)



1. In combination, a film developing box adapted to be filled with developing liquid and having side walls, a bottom defining a lower inner surface and a removable cover defining an upper inner surface, a first gear wheel rotatably mounted interiorly of said box adjacent one of said inner surfaces and centrally thereof, a plurality of flanged individually-removable film spools having hollow shafts disposed at right angles to said

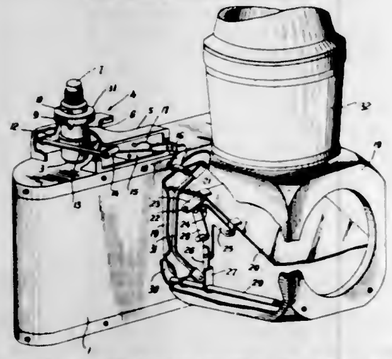
bottom and flanges lying in planes substantially parallel to said bottom, said spools being rotatably supported in said box between said bottom and said cover in a circle around said first gear wheel, one end of each of said spools being provided with a fixed gear wheel in meshing engagement with said first gear wheel, said spools being arranged in said circle in such manner that the gear wheels of all of said spools are in simultaneous engagement with said first gear wheel, said box further comprising turning means rotatably mounted in said cover and extending interiorly of said box for rotating one of said gear wheels whereby to rotate all of said spools simultaneously.

2,576,494

RELEASING DEVICE FOR MIRROR REFLEX ADAPTERS FOR PHOTOGRAPHIC CAMERAS

Josef Waggin, Memmingen, Bavaria, Germany, assignor to Karl Muller Jr. Photo-Kino-Radio, a firm, Memmingen, Bavaria, Germany

Application March 26, 1949, Serial No. 83,602
In Germany October 1, 1948
5 Claims. (Cl. 95—42)



1. In a photographic camera including an objective lens, an adapter attachable to said camera by substituting it for said objective lens and including a reflex mirror and lens unit, said unit having two positions spaced 90 degrees from each other into which it can be selectively swung when attached, said unit including two mirror-tripping elements spaced 90 degrees from each other, the one or other one of which elements being in a predetermined position depending on the position into which the unit is swung, a head structure attachable to said camera, a manually operative member guided in said structure, and mechanical transmitting means accommodated in said structure and being in operative connection with said member and with that mirror-tripping element which is in said predetermined position when both said adapter and said head structure are attached to said camera.

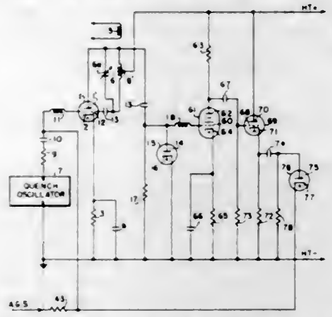
2,576,495

WAVE-SIGNAL RESPONDER SYSTEM

Hubert Wood, Hollinwood, England, assignor to Ferranti Limited, Hollinwood, England, a corporation of Great Britain

Application July 22, 1947, Serial No. 762,732
In Great Britain November 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 5, 1965
5 Claims. (Cl. 250—15)

1. A wave-signal responder comprising: a superregenerative circuit for receiving pulse-modulated interrogating wave signals and for deriving the pulse-modulation components thereof to provide a control signal of pulse wave form; said superregenerative circuit having a control circuit which when energized is effective to cause said superregenerative circuit to operate as a transmitter of wave signals; a control signal-translating channel including a diode valve having an anode and a cathode for translating to said control circuit for energization thereof only that portion of each pulse of said control signal which has an amplitude exceeding a predetermined critical value; and means for applying a bias potential to the cathode of said diode to bias said cathode to a more positive potential than its anode except during the application thereto of a signal the amplitude of which is greater than said predetermined value, thereby to cause said superregenerative circuit operating as a transmitter to transmit a pulse-modulated reply wave signal.

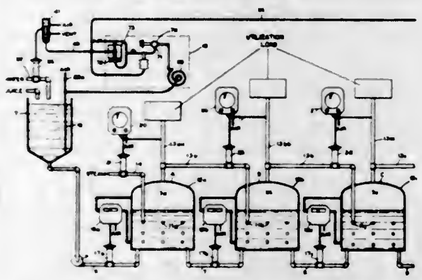


2,576,496

METHOD FOR CONTROLLING MULTIPLE-EFFECT EVAPORATORS

John G. Ziegler, Walnut Creek, Calif., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application July 31, 1947, Serial No. 764,968
2 Claims. (Cl. 159—47)



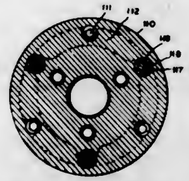
1. In a juice evaporating system, a heated multi-unit evaporator, a juice tank connected to said evaporator for supplying juice thereto, means for supplying juice to the tank, a specific gravity controller governing the discharge of concentrated juice from the last unit of the evaporator in accordance with the specific gravity of the juice leaving the last unit, a utilization load apart from said evaporator, conduit means for discharging heated vapor from at least one of said units to said utilization load, means for regulating the heat supplied to said evaporator in accordance with the pressure in said conduit means, a source of water, means operatively connected to said tank and responsive to predetermined minimum quantity of juice in said tank for delivering a controlled amount of water thereto from said source whereby the heated vapor supply is continued at the predetermined pressure.

2,576,497

WORK LOCATING AND DRIVING MECHANISM

Donald D. Austin, Sr., and Kenneth I. Davis, Detroit, Mich., assignors to National Broach and Machine Company, Detroit, Mich., a corporation of Michigan

Application February 10, 1947, Serial No. 727,492
21 Claims. (Cl. 90—1.6)



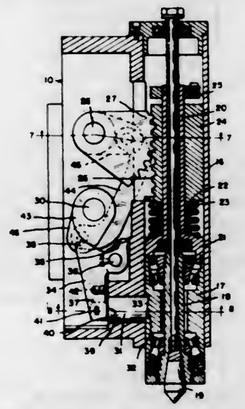
1. Rotary work supporting and driving tooling comprising a rotary drive plate, a plurality of work-engaging elements carried by said drive plate and spaced from and around the axis of rotation of said plate, said elements being independently movable toward and away from a work piece, means on said plate effective to limit movement of said elements to a direction parallel to the axis of rotation of said plate, and equalizing means acting on said elements effective to equalize the pressure with which said elements engage a work piece.

2,576,498

TAIL STOCK

Arthur Bassoff, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application May 14, 1946, Serial No. 669,679
4 Claims. (Cl. 82—31)



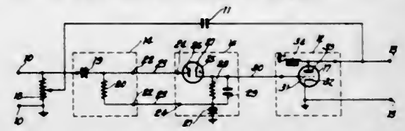
1. A clamping device comprising a guide way, a slide and a work engaging element independently movable along said guide way, a compression spring interposed directly between said slide and element, rack teeth on said slide, a pinion segment meshing with said teeth, an operating handle and crank, a link connecting said crank and pinion segment and adapted to reach an over-center locking position as said slide reaches fully advanced position, a locking plunger movable laterally into locking engagement with said element, and cam means operable as said link reaches over-center position to press said plunger into locking engagement with said element.

2,576,499

FREQUENCY STABILIZED PHASE SHIFTING NETWORK

Henry N. Bowes, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York

Application October 19, 1949, Serial No. 122,220
5 Claims. (Cl. 323—106)



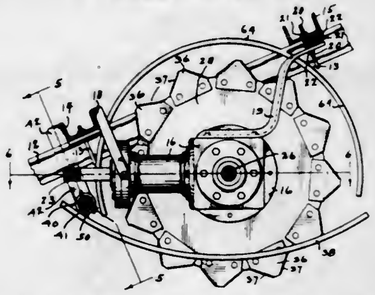
1. A frequency stabilized phase shifting network comprising a reactive branch and a resistive branch connected between input and output terminals, reactive impedance means in said reactive branch having an impedance related to the frequency of the signal applied to said input terminals, resistive impedance means in said resistive branch including a voltage responsive nonlinear resistance element, and frequency responsive means energized by said signal for developing a direct current bias voltage having a magnitude related to the frequency of said signal for controlling said resistance element to provide a frequency-resistance characteristic in said resistive branch equivalent to the frequency-reactance characteristic of said reactive impedance means.

2,576,500

TRASH CUTTING ATTACHMENT FOR BREAKING PLOWS

Raymond R. Cauble, Indianapolis, Ind.

Application January 10, 1946, Serial No. 640,215
2 Claims. (Cl. 97—40)

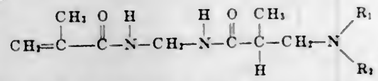


1. An attachment for a tractor drawn breaking plow, for mounting ahead of rolling colters thereon, comprising a housing; a transverse shaft therethrough extending therefrom by both ends; a drive shaft to be driven by said tractor, entering the housing at substantially right angles thereto; driving means within the housing between said two shafts; a member carried by the plow supporting said housing; a head carried on each of said transverse shaft ends; a plurality of seats on each head; a disc selectively secured on one of said seats on each of said heads; said discs each having a peripheral serrated cutting

edge; and a vertically yieldable, trash presser foot on each side of each of said discs, between which feet, trash is sheared by said disc cutting edges; said housing being located to position said discs ahead of and substantially in line with said colters.

2,576,501
N-METHACROYL N'-(METHYL-ALANYL) METHYLENE DIAMIDES
Philip B. Dalton, New York, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 1, 1949, Serial No. 85,039
2 Claims. (Cl. 260—561)

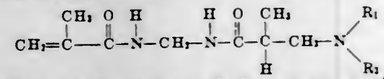
2. As a new product, a compound of the formula



where R_1 is a member of the group consisting of hydrogen and an alkyl radical, and where R_2 represents an alkyl radical.

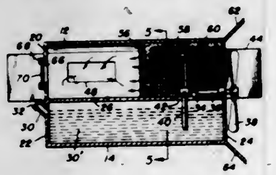
2,576,502
POLYMERS OF REACTION PRODUCTS OF ALKYL AMINES AND METHYLENE-BIS-METHACRYLAMIDE
Philip B. Dalton, New York, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 1, 1949, Serial No. 85,040
2 Claims. (Cl. 260—89.7)

2. As a new product, a polymer of a compound having the formula



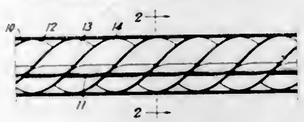
where R_1 is a member of the group consisting of hydrogen and an alkyl radical, and where R_2 represents an alkyl radical.

2,576,503
AIR COOLER
John J. Dean, Pomona, Calif.
Application November 16, 1948, Serial No. 60,233
7 Claims. (Cl. 261—92)



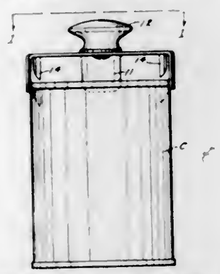
1. An air cooler for vehicles comprising a casing having a pair of compartments therein, means for attaching the casing to a vehicle to be disposed exteriorly of the vehicle, one of said compartments being open at one end to provide an inlet opening, an outlet opening provided in said one of said compartments, means responsive to a movement of the vehicle on which the casing is attached for introducing air into said one of said compartments, means operated by said air introducing means and rotatable in both compartments for dispensing a liquid from one of said compartments into the other of said compartments, and means for retaining a liquid within said one of said compartments, said casing having an aperture in one side communicating with said one of said compartments, a first valve carried by the casing for controlling the flow of air through said outlet opening, and a second valve controlling the flow of air through said aperture.

2,576,504
HORIZONTAL TRANSPORT OF SOLIDS
Frederick E. England, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 25, 1949, Serial No. 101,333
5 Claims. (Cl. 302—53)



1. Apparatus for conveying solids of small particle size under fluidized conditions in a substantially horizontal direction, which apparatus comprises a conduit having inner walls, an eccentrically mounted shaft in said conduit which is nearer the bottom than the top thereof, and a helical baffle fixedly disposed between said shaft and the inner walls of said conduit to provide a helical path of flow in which the upper portions are of larger cross-sectional area than the lower portions.

2,576,505
MILK CAN PUNCH
Charles E. Engle, Warren, Ohio
Application February 13, 1948, Serial No. 8,151
2 Claims. (Cl. 30—6.1)

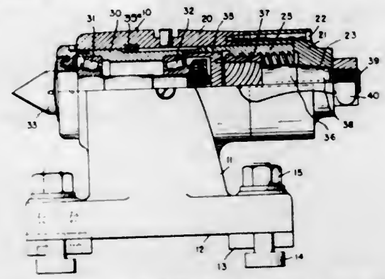


1. A milk can punch including a disc-like frame having three guard members depending from the peripheral edge thereof and circumferentially spaced with respect to one another, two of said guard members lying in oppositely disposed relation to one another and portions of the said oppositely disposed guard members being cut away therefrom and bent inwardly and downwardly with respect thereto and pointed to form punch members.

2,576,506
CLAMPING DEVICE
Thomas S. Gates, Grosse Pointe Woods, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application January 19, 1948, Serial No. 3,002
9 Claims. (Cl. 82—31)

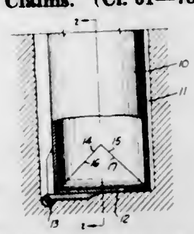
5. A clamping device comprising a support having a female conical seat therein, a clamping element carried by said support for movement

axially toward and away from the larger end of said seat, means intermediate said support and element to prevent rotation of said element, a rotary actuating element carried by said support including a male conical portion within said conical seat shaped to fit in surface-to-surface contact therein, stop means on said actuating



element to limit movement of said conical portion outwardly of said conical seat to an amount sufficient to free said conical portion for rotation in said conical seat, drive means intermediate said actuating element and clamping element to move said clamping element axially of said conical parts upon rotation of said actuating element.

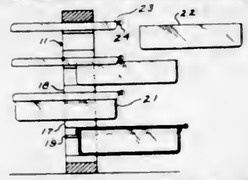
2,576,507
HOLLOW MANDREL FOR PLACEMENT OF DISCRETE MATERIAL
Ben C. Gerwick, Jr., Oakland, Calif., assignor to Ben C. Gerwick, Inc., San Francisco, Calif., a corporation of California
Application February 14, 1949, Serial No. 76,233
4 Claims. (Cl. 61—78)



1. In a mandrel adapted to be driven into the ground and subsequently retracted, a cylindrical mandrel body, and a closure gate means for the lower end of the body, said means comprising a single gate hinged to the lower end of the body and having a closed position against the lower end of the body and a lowered open position, said gate being contoured to conform to the cylindrical contouring of the mandrel body when in open position and to substantially close the lower end of the mandrel body when in closed position.

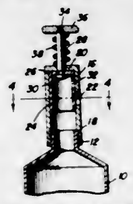
2,576,508
MERCHANDISE DISPLAY APPARATUS
Maxfield Gluckman, Jackson Heights, N. Y.
Application November 25, 1946, Serial No. 712,072
1 Claim. (Cl. 211—126)

A display apparatus comprising a supporting rack having upwardly extending supporting arms, a container supported between said arms, the container having a length greater than the corresponding and parallel width of said arms and having a tray portion and a cover portion in immediate contact and individually supported by said rack, said rack carrying spaced container-supporting elements thereon, the spacing being determined by the combined height of the tray and cover, said rack also carrying alternately



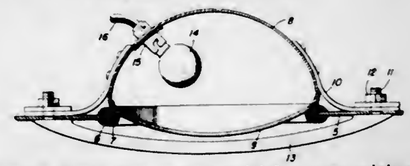
placed cover-supporting elements, the space between the cover and adjacent tray supporting element being determined by the depth of the cover.

2,576,509
SELF-SEALING CAP HAVING RELATIVELY AXIALLY SLIDABLE TUBULAR MEMBERS
Ralph B. Hren, Chisholm, Minn.
Application July 18, 1949, Serial No. 105,304
2 Claims. (Cl. 222—514)



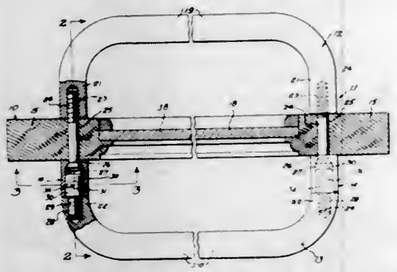
1. In a collapsible tube, a self-sealing dispensing cap comprising an outer tubular member closed at the top and open at the bottom and adapted to removably receive the neck of the tube, an inner tubular member slidably received within the outer tubular member, a plunger secured to said inner member and slidably extending through the top of said outer member, said plunger being squared to prevent rotation of the inner tubular member, resilient means normally urging said inner member towards the top of said outer member, and dispensing apertures in said inner and outer members registrable with each other in response to a depression of the plunger.

2,576,510
SIDE LIGHT FOR MOTOR VEHICLES
John Jansoone, Richmond, Calif., assignor of one-half to George Lee, Richmond, Calif.
Application June 7, 1948, Serial No. 31,562
1 Claim. (Cl. 240—8.2)



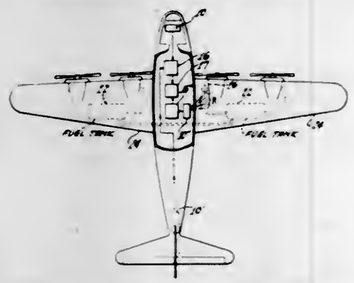
A side light for motor vehicles comprising a lamp housing adapted to be positioned in an opening in the side structure of a vehicle, attaching brackets on the housing, and means for removably securing the brackets to the rear of a vehicle side structure comprising a bar positioned in front of the housing and means at the ends of the bar adapted to extend through a vehicle side structure and the brackets for detachably securing the brackets behind a vehicle side structure and the bar in front of a vehicle side structure.

2,576,511
PUSH BAR ASSEMBLY
Deane N. Jewett, Detroit, Mich., assignor to Detroit Hardware Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 21, 1949, Serial No. 82,508
7 Claims. (Cl. 16—1)



1. A concealedly-attached push bar assembly for a door, comprising a first push bar member having at least one of its ends adapted for abutting one side of the door, an attachment member adapted for abutting the opposite side of the door, a fastener adapted for extending through the door and interconnecting said members, a second push bar member having at least one of its ends engaging said attachment member, one of said two last-mentioned members having a portion penetrating the other thereof, and an anchoring element extending partially through the penetrated member into locking engagement with said penetrating portion with its axis disposed transversely thereto and securing said second push bar member to said attachment member.

2,576,512
VOLUMETRIC FLUID MEASURING
Loren F. Jones, Germantown, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 5, 1948, Serial No. 52,883
2 Claims. (Cl. 250—83.6)

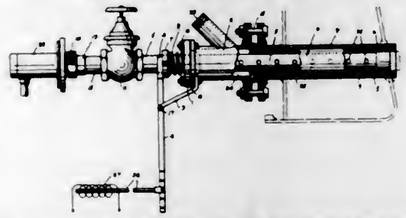


1. The method of determining the amount of fluid in a container, from which container said fluid is subjected to withdrawal, said method comprising the steps of introducing a miscible radioactive material into said fluid to obtain radioactive emanations therefrom, making simultaneous and cumulative measurements of the amount of radioactive emanations from said fluid at a plurality of spaced points about said container, measuring the amount of said radioactive emanations from a standard volume sample of said fluid containing said radioactive material, and comparing said measurement obtained from the fluid in said sample with the corresponding measurement obtained from the fluid in said container to obtain comparative indications of the amount of fluid in said container and in said sample, whereby the amount of fluid in said container may be determined.

2,576,513
TREATMENT OF CORN STEEP LIQUOR FOR STREPTOMYCIN PRODUCTION
Ralph E. Bennett, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application November 20, 1948, Serial No. 61,297
7 Claims. (Cl. 195—116)

1. In the preparation of streptomycin by the aerobic propagation of *Streptomyces griseus* in a medium comprising corn steep liquor, the improvement which comprises contacting the corn steep liquor with a clay-type alumina-silica adsorbent prior to the fermentation step.

2,576,514
PYROMETER
Henry Robert Bianco, Herculaneum, Mo., and Arthur H. Wilson Busby and Ronald A. Giles, Trail, British Columbia, Canada, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of the Dominion of Canada
Application June 11, 1949, Serial No. 98,609
6 Claims. (Cl. 73—355)

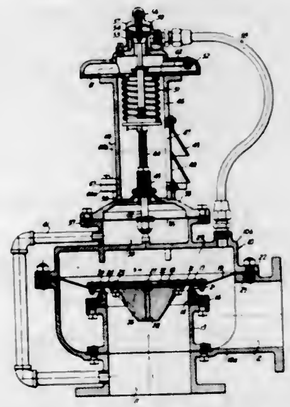


1. A pyrometer device for measuring the temperature of a high temperature body which comprises a housing, a sight tube having a forward end adapted to be exposed to a high temperature body providing a light tunnel extending from a light receiving aperture at the forward end to radiation sensitive means spaced rearwardly of said forward end slidably mounted in said housing, and automatically actuated means for imparting reciprocal movement to said tube at periodic intervals to advance said tube to a position in which said forward end extends beyond the housing and to retract the tube to a position in which said forward end is supported within the housing.

2,576,515
POLYMERIZATION OF VINYLCYCLOHEXENE
Herbert L. Johnson, Media, and Archibald P. Stuart, Norwood, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application March 18, 1948, Serial No. 15,744
2 Claims. (Cl. 260—666)

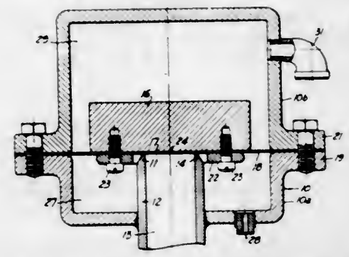
1. The polymerization of 4-vinylcyclohexene to an oil-like polymer product having a viscosity of about 60 centistokes at 210° F. and a molecular weight exceeding that of the dimer of 4-vinylcyclohexene, which comprises contacting, at a temperature of from 35° C. to 130° C. for a time sufficient to cause polymerization to said polymer product, 4-vinylcyclohexene with a catalyst selected from the group consisting of boron fluoride ether complex, sulfuric acid, and stannic chloride, and separating said polymer product from the reaction mixture.

2,576,516
PRESSURE RELIEF VALVE
Peter C. Jurs, Oakland, Calif., assignor to Shand and Jurs Company, Berkeley, Calif., a partnership
Application May 19, 1947, Serial No. 748,981
2 Claims. (Cl. 137—53)



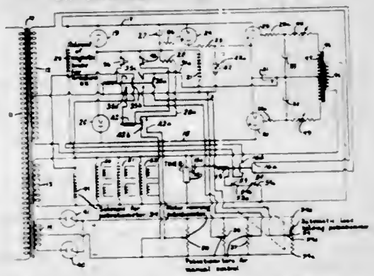
1. In a pressure relief regulator of the type including main and pilot valve means, and in which the pilot valve means is operated by fluid pressure to vent the operating chamber of the main valve means, a body having an inlet passage adapted for connection with a pressure system and also having an outlet passage, an annular horizontal valve seat formed in the body and having a passage through the same serving to connect the inlet and outlet passages, a vertically movable rigid member extending over the seat, a flexible sealing member having an outer peripheral portion of the same secured to and sealed with respect to the rigid member in a region spaced outwardly from said seat, said flexible member being free to move relative to the rigid member over a substantial annular area which extends over said seat and for substantial distances outwardly and inwardly of the same, said flexible member and said rigid member serving to define a space between the same which is in communication with the inlet passage whereby for a range of normal pressures applied to the inlet passage below a given maximum relief pressure said flexible member is pneumatically pressed into sealing engagement with the seat with floating action of the rigid member, a diaphragm carried by the body and having an operative connection with the rigid member, the body forming a closed operating chamber on one side of the diaphragm, the other side of the diaphragm being in communication with the outlet passage, and means providing restricted communication between the inlet passage and said chamber, said operating chamber being adapted to be vented by said pilot valve means when the inlet pressure attains said maximum relief pressure.

2,576,517
PRESSURE RELIEF VALVE
Peter C. Jurs, Oakland, Calif., assignor to Shand and Jurs Company, Berkeley, Calif., a partnership
Application May 19, 1947, Serial No. 748,982
6 Claims. (Cl. 137—53)



3. In a pressure relief valve, a body serving to mount an annular valve seat and providing an inlet passage communicating with said seat, a rigid member overlying and extending across the valve seat, and a flexible sealing member interposed between the seat and the rigid member and having an outer peripheral margin sealed with respect to the body and an annular portion sealed to said rigid member in a region disposed outwardly from said seat, the flexible member having a portion free for flexing movements relative to the rigid member and extending from said region across the valve seat, the rigid and flexible members serving to define a space extending from the annular portion over the seat and being in communication with the inlet passage.

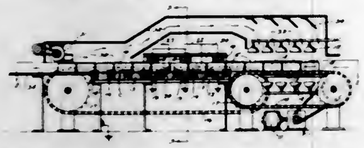
2,576,518
MECHANISM AND SYSTEM FOR CONTROL THROUGH THYRATRONS
Berthold A. Knauth, Bolton, N. Y., assignor to The Motorspeed Corporation, New York, N. Y.
Application March 8, 1948, Serial No. 13,657
12 Claims. (Cl. 318—269)



12. A system for controlling a direct current motor comprising a thyratron having an anode, a grid, and a cathode, a direct current motor having an armature connected in series with the thyratron across an alternating current supply, said armature being connected to the cathode of the thyratron, a phase shifting circuit connected between the grid and an alternating current supply, a direct current supply, a pair of potentiometers connected across said direct current supply, the sliding contacts of each potentiometer being connected with the phase shifting circuit, one of said potentiometers having its sliding contact mechanically coupled to the shaft of the motor to control the motor automatically and relay controlled switches between the sliding con-

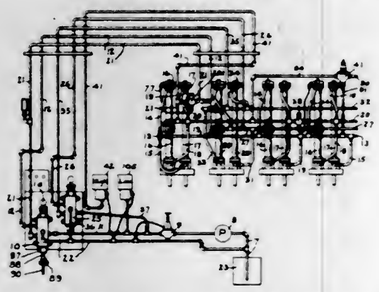
tacts of the potentiometers and the phase shifting circuit whereby only one contact is connected with the phase shifting circuit at one time.

2,576,519
APPARATUS AND METHOD FOR CLAY BAKING
Philip E. Kopp, Youngstown, Ohio
Application January 11, 1949, Serial No. 70,261
3 Claims. (Cl. 219—47)



1. The method of baking clay products wherein the clay products are moved horizontally and dried, and subsequently subjected to dielectric heating currents of one frequency and subsequently subjecting the clay products to dielectric heating currents of a higher frequency, and subsequently cooling the clay products by subjecting the same to a cooling medium whereby the clay products may be predried, progressively baked and cooled.

2,576,520
HYDRAULIC CONTROL OF VENEER SLICING MACHINES
Louis F. Koss, Indianapolis, Ind., assignor to Capital Machine Company, Indianapolis, Ind., a corporation of Indiana
Application November 4, 1948, Serial No. 58,323
4 Claims. (Cl. 144—178)

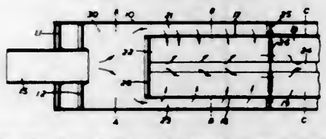


1. In a veneer slicing machine having a vertically reciprocating flitch table driven by a motor, a plurality of pairs of opposing dogs independently shiftable over the table, hydraulic cylinders one for each dog, a piston in each of said cylinders interconnected with one of said dogs whereby fluid under pressure may be applied to either side of said piston to effect selective travel of the dogs, a system responsive to movement of said dogs for controlling said machine automatically comprising a high pressure, low volume, output fluid pump; a normally pump pressurized manifold interconnected with the tops and bottoms of said cylinders and said pump to receive fluid from said pump for shifting said opposing dogs, one toward the other for flitch gripping action therebetween; a second manifold normally under lower pressure than said first manifold and interconnected with the bottoms and tops respectively of the cylinders in reverse order of connections with said first manifold; means arresting back flow from said first manifold to said pump to maintain a normal flitch holding pressure; means responsive to a surge in pressure above said normal and said first manifold operating to stop said motor; and means responsive to a surge in downward pressure in said first manifold operating to stop said motor.

2,576,521
OPTICAL GLASS
Norbert J. Kreidl, Brighton, and Gordon F. Brewster, Williamson, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
No Drawing. Application May 15, 1950, Serial No. 162,139
4 Claims. (Cl. 106—54)

4. A barium crown optical glass comprising 20%–35% SiO_2, 25%–45% BaO, 5%–10% B_2O_3, 1%–5% Li_2O, 1%–5% Na_2O, 1%–5% La_2O_3 3%–10% ZrO_2, up to 5% of ZnO, up to 2% Al_2O_3, up to 3% TiO_2 and 1%–10% of the oxide selected from the group consisting of the oxides of tantalum and niobium.

2,576,522
ENGINE SILENCER WITH TRANSVERSE BAFFLE STRUCTURE
Frank Hankinson Kyffin, Neston, Wirral, England
Application November 10, 1947, Serial No. 785,101
In Great Britain December 28, 1946
1 Claim. (Cl. 181—69)



A silencer for exhaust gases comprising two tubular members located one within the other to define an elongated annular space therebetween and of small thickness relative to the diameter of the inner tubular member, a transverse baffle at each end and intermediate the ends of the silencer, at least one of said transverse baffles closing the inner tubular member and at least one of said transverse baffles closing the annular space, inlet means for exhaust gases at one end of the silencer, and outlet means for exhaust gases at the other end of the silencer, the inner tubular member being formed by two oppositely disposed plates having their longitudinal side portions curved inwardly towards but terminating short of one another so as to define small aperture means in the side walls of the inner tubular member, whereby exhaust gases are caused to flow primarily around and along the annular space.

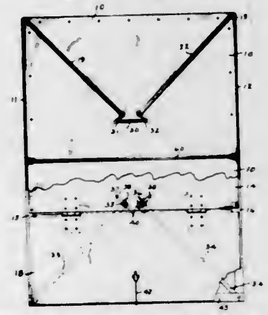
2,576,523
LAMP SHADE IN COMBINATION WITH A DIFFUSING SHADE
William M. C. Lam, Boston, Mass., assignor to Lam Workshop, Inc., Brookline, Mass., a corporation of Massachusetts
Application October 29, 1949, Serial No. 124,331
1 Claim. (Cl. 240—108)

In combination, a main lamp outside shade and an inner diffusing shade of lesser width than said main shade and adapted to extend part way into said main shade, flexible attaching members each embodying an anchor portion attached to the lower edge of said main shade and directed inwardly from the outside edge thereof, a shank portion extending straight from said anchor portion laterally inward in a general horizontal direction in position of use, the farthest inward portion of which extends diagonally upward and then reverses its direction, and a part of each said attaching member then extends diagonally upward and outward towards said main shade, and another part then providing a loop and another part being connected to



said loop part and extending diagonally inward and downward therefrom, to provide a mouth portion, said diffusing shade being adapted to extend into the mouths of said mouth portions whereby it is held in position there, the circumference of the widest part of said diffusing shade being greater than the circumference of an endless line extending through the deepest portions of said mouths when the latter are in normal position.

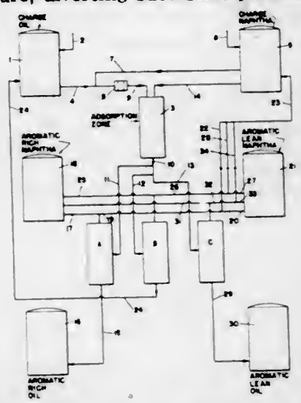
2,576,524
MINNOW TRAP
John B. Lewis, Beech Grove, Ind.
Application January 16, 1948, Serial No. 2,792
1 Claim. (Cl. 43—66)



A baitless minnow trap comprising a box having top, bottom, and side walls, the side walls being made of rough, foraminous material restricting vision of minnows therethrough; a smooth faced mirror fixed transversely across the inside of the box and spaced intermediate the box ends to define a chamber on each side thereof, said mirror being spaced by its top edge from said box top and by its bottom edge from said box bottom, to leave minnow passage openings above and below said mirror; and a transparent-walled funnel forming an entrance to said box, the walls of said funnel converging to a minnow sized opening in front of and spaced from said mirror, the sides of said funnel being smooth.

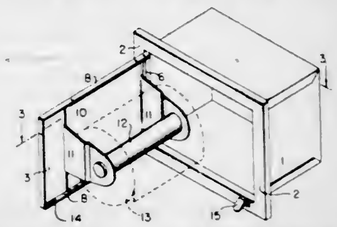
2,576,525
PROCESS FOR SEPARATING HYDROCARBON FRACTIONS CONTAINING AROMATICS
Moses Robert Lipkin, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 25, 1948, Serial No. 10,664
9 Claims. (Cl. 260—674)

1. A cyclic process involving successive contact of two hydrocarbon mixtures with silica gel, said hydrocarbon mixtures each being composed of aromatic and saturate hydrocarbons and each boiling outside of the range of the other, which process during each cycle comprises passing the high boiling hydrocarbon mixture in liquid phase through silica gel to preferentially adsorb high boiling aromatic therefrom while displacing low boiling aromatic remaining on the silica gel from the previous cycle, passing the low boiling hydrocarbon mixture in liquid phase through the silica gel to displace high boiling aromatic while preferentially adsorbing aromatic from the low boiling mixture, diverting successive portions of the



effluent from the silica gel during each cycle as a plurality of cuts each having both high and low boiling portions corresponding generally in boiling range to the respective hydrocarbon mixture charged, at least one of which cuts is enriched with respect to aromatic and another of which is enriched with respect to saturate, in the high boiling portions thereof, and at least one of which is enriched with respect to aromatic and another of which is enriched with respect to saturate, in the low boiling portions thereof, and separately distilling said cuts to separate the low boiling and high boiling portions.

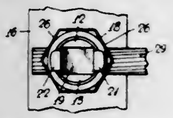
2,576,526
HOLDER FOR TOILET TISSUE ROLLS
Adolph Marchand, Jackson Heights, N. Y.
Application September 16, 1949, Serial No. 116,065
1 Claim. (Cl. 242—55.2)



A holder for toilet tissue rolls comprising a rectangular casing adapted to be sunk into the wall of a room to expose a front flange of said casing, a vertical plate carried by said front flange and having two rolled sections adapted to receive a pivot pin extending the length of the front flange, a front cover having top and bottom horizontal flanges having apertures therein for said pivot pin and adapted to swing outwardly, bracket means of unitary construction carried by

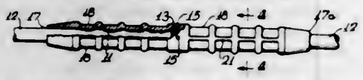
the inner face of the cover member and having a pair of opposed spring-tensioned arms having an aperture and adapted to hold a roll of tissue with its supporting post, the casing and front cover being adapted to wholly conceal said roll of tissue and the front cover being moveable to bring the bracket means exteriorly of the casing for substantially complete exposure of a roll of tissue held thereby, in combination with automatic spring means mounted on said pivot pin for projecting the door to open position, said spring means normally acting to hold the door in open position, and finger-operable latching means for holding the door in closed position.

2,576,527
ANGULARLY ADJUSTABLE WIRE TO BAR CONNECTOR
Irving Frederick Matthysse, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application July 25, 1945, Serial No. 606,981
3 Claims. (Cl. 24—125)



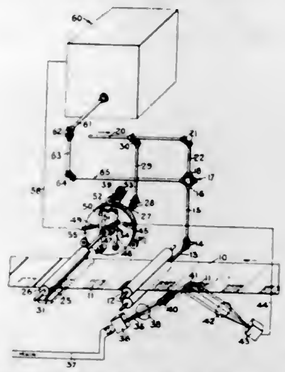
1. An angularly adjustable connector for fixedly connecting an extending member to a supporting structure in any one of a plurality of positions about the axis of the connector comprising a connector body having an opening therein for positioning the extending member therethrough, securing means on one end of the connector body for detachably and rotatably securing the connector to the supporting structure in the selected position, a pressure producing element mounted on and secured to the other end of the connector body having a pressure applying surface for engaging the extending member, and a pressure transferring element adapted to be positioned between the extending member when inserted and the supporting structure, and having a conductor receiving surface for engaging the extending member and on the opposite side thereof an engaging surface for the supporting structure, said pressure transferring element and connector body being formed to inter-engage one another to prevent relative rotary motion while allowing relative axial movement therebetween, said pressure transferring element being axially positioned with respect to the connector body so as to form a support for the inserted extending member whereby pressure from the pressure producing element will be transmitted to the inserted extending member and to the pressure transferring element thereby locking it to the supporting structure against the action of the securing means.

2,576,528
CONNECTOR WITH HARD PARTICLE LINING
Irving Frederick Matthysse, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application August 7, 1948, Serial No. 43,023
3 Claims. (Cl. 174—94)



1. A connector for joining wires or cables thereto which comprises a tubular metal body having a smooth inner wall surface, a particle lining secured to the inner wall, said particles being made of beryllium copper.

2,576,529
WEB REGISTRATION DEVICE
Henry F. McKenney, Flushing, and William H. Newell, New York, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application November 22, 1946, Serial No. 711,616
1 Claim. (Cl. 271—2.6)



A correction motor control circuit for travelling webs having recurrent index areas with contrasting light modulating characteristics, continuous web feed means and means deriving an error signal from said index areas corresponding to variations from correct web registration, said control circuit comprising a correction motor connected to modify the operation of said feed means, follow-up means comprising a feed-back signal generator driven by said motor, balanced combining and amplifying channels responsive to the combined effect of said error signal and said feed-back signal and connected to control said correction motor in a sense to maintain correct web registration, each channel including a signal amplifier tube having a control grid, means applying said error signal to one of said control grids, and a condenser in circuit with said last control grid connected to be charged by the error signal and adapted to retain its charge during a complete cycle of operation for maintaining the error signal input to said channels.

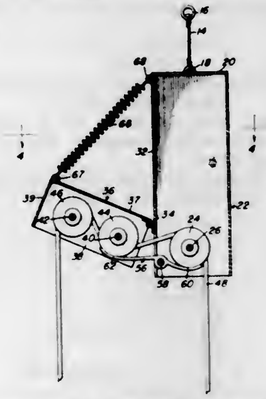
2,576,530
PANEL CONSTRUCTION
Leon E. Medal, New Orleans, La.
Application January 8, 1947, Serial No. 720,865
2 Claims. (Cl. 20—15)



2. A wall construction comprising first and second panels, each of said panels having a pair of sheets of material including edges, the edges of the sheets of said first panel abutting the edges of the sheets of said second panel, a first corrugated member mounted between the sheets of said first panel and having a side portion projecting outwardly from the edges of the first panel, a second corrugated member mounted between the sheets of said second panel and including a side portion projecting outwardly from

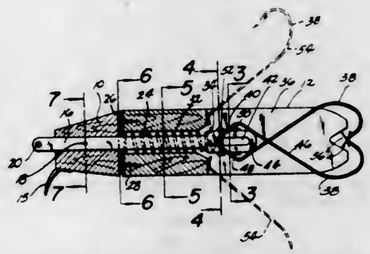
the edges of the second panel, the outwardly projecting side portions of said corrugated members being interlocked, a filler strip having a flat surface bearing against the inner faces of one sheet for both of said panels, means securing the filler strip to one sheet of each of said panels for retaining the edges of the sheets of said first panel in abutting relationship with the edges of the sheets of said second panel, said filler strip being received in the interlocked side portions of said corrugated members, the edges of the sheets of each panel being offset relative to each other.

2,576,531
PORTABLE FIRE ESCAPE
Roger B. Mitchell, Louisburg, N. C.
Application November 24, 1950, Serial No. 197,391
4 Claims. (Cl. 227—31)



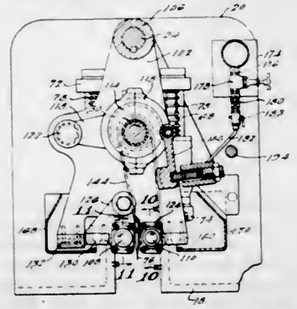
1. A portable fire escape comprising a support, a lever pivoted at one end to said support, a brake member attached to said support, a pulley carried by said support, a pair of pulleys secured to said lever, a rope entrained around said pulleys and having a device to hold a person to be lowered, and said lever being arranged to be pivoted so that one pulley of said pair of pulleys frictionally contacts said brake member.

2,576,532
WEEDLESS BAIT
Dewey Nudell, Flint, Mich.
Application October 30, 1947, Serial No. 782,977
1 Claim. (Cl. 43—35)



An artificial bait comprising an elongate body having a longitudinally extending slot at its rear end and a bore at its front end communicating with said slot, a pin fixed on said body and extending transversely across said slot in alignment with said bore, a pair of hooks each having a hook portion at one end and being pivotally supported at the other end on said pin, said hooks each being bent at a point intermediate said hook portion and said pivotally supported end to provide a pair of angularly related leg portions on each hook, said hooks being normally disposed in an inoperative position within said slot with the leg portions adjacent said pivotally supported ends extending from said pin in diverging directions generally transversely of the axis of said bore and with the other leg portions extending from said points of bending in converging directions and crossing each other at a point intermediate the ends of said other leg portions, an actuator movably mounted in said bore and having a frame at the rear end thereof disposed within said slot, said frame slidably engaging said pin and having a pair of openings therein aligned in a direction transversely of the longitudinal axis of said actuator, said leg portions adjacent said pivotally supported ends of said hooks extending one each through said openings and being slidably engaged with the edges of said openings such that, when said actuator is shifted in a direction forwardly of said body, said leg portions adjacent said pivotally supported ends of said hooks are pivotally actuated on said pins from said inoperative position to an operative position wherein they diverge to a greater extent than in said inoperative position and wherein said leg portions adjacent said hook portions are pivoted outwardly of said slot, and a spring member on said actuator positioned within said bore and tending to shift said actuator in a direction rearwardly of said body.

2,576,533
COOKY-CUTTING MACHINE
Conrad L. Ott, Saginaw, Mich., assignor to Baker Perkins Inc., Saginaw, Mich., a corporation of New York
Application August 1, 1949, Serial No. 107,892
13 Claims. (Cl. 107—21)

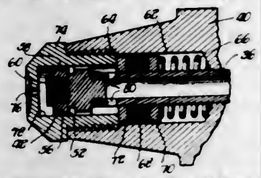


1. In a cooky-cutting machine of the type having a vertically reciprocable and laterally movable knife, the improvement comprising cleaning rollers mounted to move laterally with and on opposite sides of said knife, means for moving at least one of the rollers laterally relative to the knife, means holding said rollers in pressed engagement with the knife, and means for rotatably driving said rollers so that the engaged surfaces thereof wipe upwardly across said knife.

2,576,534
MOISTENING GUN
Jens A. Paasche, Chicago, Ill.
Application January 12, 1945, Serial No. 572,517
4 Claims. (Cl. 299—118)

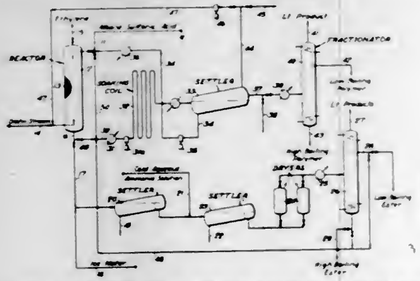
1. In a spraying device, a nozzle body having a chamber formed therein at one end and a spraying orifice formed at the other end, a spray unit

slidably mounted in said body, a hollow tube reciprocable in said body and attached to said spray unit within said chamber, said tube having apertures in the walls thereof adjacent said spray unit whereby to discharge fluid into said chamber, said spray unit having a cylindrical portion having diametrically opposite flattened surfaces formed thereon, said spray unit having a cylindrical spray head adapted to slidingly engage the



walls of said body, said spray head having grooves formed on the portion thereof adjacent said walls, said grooves being formed at an angle with the axis of said head whereby to impart a swirling motion to fluid passing therethrough from said tube, means to urge said spray unit to a predetermined position to close said orifice, and means to retract said unit to permit passage of fluid from said tube through said grooves and through said orifice.

2,576,535
TREATING OLEFINS WITH ALKANE-SULFONIC ACID
Wayne A. Proell, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 10, 1948, Serial No. 7,465
3 Claims. (Cl. 260—456)



1. The method of utilizing selective esterification of a secondary olefin with alkanesulfonic acid to effect removal of said secondary olefin from a hydrocarbon stream containing said secondary olefin and also containing ethylene, which method comprises contacting said stream at a temperature above 40° F. but below 140° F. with an alkanesulfonic acid containing not more than 5 carbon atoms per molecule and having an acid concentration higher than 80%, employing a time of contact of about 10 minutes to about 60 minutes sufficient to effect reaction of said secondary olefin with alkanesulfonic acid to form an alkensulfonic acid ester phase, and removing from the acid-ester phase unreacted ethylene which is substantially free from secondary olefin.

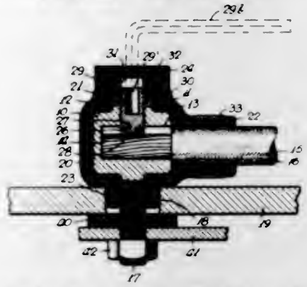
2,576,536
CASEMENT WINDOW OPERATOR
Samuel C. Reynaud, Detroit, Mich.
Application October 30, 1947, Serial No. 782,979
2 Claims. (Cl. 268—118)

1. A casement window operator comprising a support adapted to be secured to a casement window frame, a casement window arm pivotally mounted on said support, a driven gear connected to said arm, a driving gear meshing with said driven gear and rotatably mounted on said support, said driving gear having a handle arm projecting therefrom, a handle of channel cross-section having downwardly-directed side flanges



hingedly connected to said handle arm of the driving gear and having a pair of spaced locking projections extending downwardly and forwardly therefrom, and a toothed locking element connected to said support beneath said handle with its teeth selectively engageable by said locking projections.

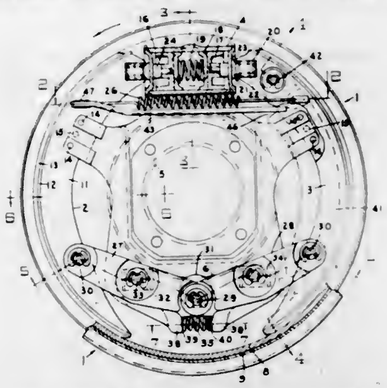
2,576,537
SUBMERSIBLE TYPE INSULATED CONNECTOR
Julian Rogoff, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application July 29, 1947, Serial No. 764,323
4 Claims. (Cl. 174—87)



1. An electrical connector for transmitting current from one conductor to another comprising a metallic body member having a conductor securing recess and a conductor supporting recess transversely positioned with respect thereto and connecting therethrough, an insulating cover for said connector body provided with an opening adjacent each recess in the connector body, plugs of insulating material positioned in the recesses, said body member being threaded about said conductor securing recess and provided with a pressure screw mounted beneath the insulating plug positioned in the conductor securing recess for mechanically and electrically securing the metal end of an insulated conductor to be positioned in the conductor supporting recess, the plug for the conductor securing recess having threaded means for threaded engagement with the pressure screw to enable the plug to be tightly secured thereto and making a seal with the insulating cover and means for mechanically sealing the insulating cover to the plug positioned in the conductor receiving recess.

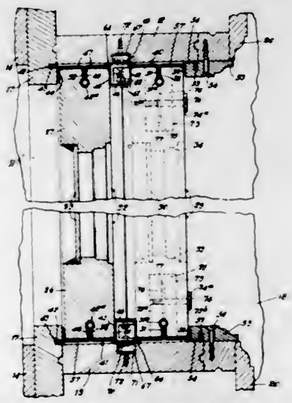
2,576,538
INTERNALLY EXPANDING BRAKE
Elmer R. Ross, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application December 6, 1948, Serial No. 63,789
6 Claims. (Cl. 188—78)

1. A brake comprising a brake drum, a pair of brake shoes engageable with said drum, an actuator between adjacent ends of said shoes and having relatively movable elements for urging said shoes against said drum, a plate, levers pivotally connected to each other and to said shoes, said levers diverging with respect to each other in a direction toward said actuator from their pivotal connection to each other to spread apart the



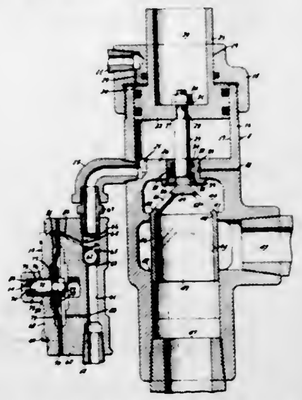
portions of said shoes pivotally connected to said levers, guides on said plate extending at substantially a right angle to the diametral line extending between adjacent ends of said shoes and slides pivotally connected to said levers intermediate their pivotal connections to each other and to said shoes engaging and movable over said guides during the movement of said shoes against said drum.

2,576,539
WINDOW CONSTRUCTION
Willard H. Rundquist, Rock Island, Ill., assignor to Rock Island Millwork Company, a corporation of Illinois
Application January 10, 1946, Serial No. 640,189
5 Claims. (Cl. 20—52)



1. A window-closure assembly comprising in combination, two spaced parallel vertical sash guides each having two independent slideways for two sashes and having substantially flat outer faces positioned parallel to each other in assembled relation with sashes, whereby the assembly thereof with sashes may be moved in and out of a window opening in a wall to position said sash guides over and substantially adjacent to flat side walls of said opening, two adjacently slidable sashes between said guides holding them together in fixed horizontal spaced relation, each sash being slidable in one of said slideways, an interlocking tongue and groove connection between each sliding edge of a sash and the corresponding guide, said connection permitting sliding the sash edgewise along the guides and serving to hold the guides and sashes in assembled relation, and holding means for holding the guides and sashes in fixed positions.

2,576,540
PRESSURE REGULATOR
William H. Schmitt, Rialto, Calif., assignor to The Rialto Corporation, Rialto, Calif., a corporation of California
Application May 18, 1948, Serial No. 27,692
6 Claims. (Cl. 137—153)

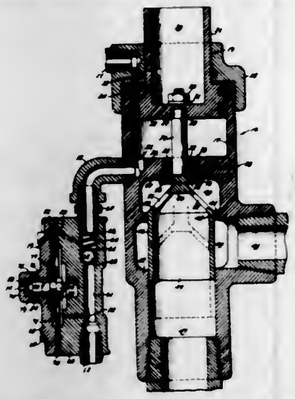


1. A valve comprising a casing having a cylinder and a valve chamber with a wall therebetween, a valve seat in said chamber, a piston in said cylinder, said casing having fluid pressure connections for operating said piston, a reciprocating valve head for said seat, a rod extending through said wall and connecting said piston and said valve head, a bearing in said wall for said rod, said valve casing having an inlet and an outlet controlled by said valve head, the portion of said rod projecting through said wall into said valve chamber exposed to pressure at said inlet for all operative positions of said valve head, the pressure in said inlet acting on said stem area tending to close said valve head to its said seat, the area of said rod in said bearing comprising means responsive to fluid pressure conditions in said inlet for accelerating both the opening and closing movements of said valve head when operated by said piston.

2,576,541
BACK-PRESSURE RELIEF VALVE
William H. Schmitt, Rialto, Calif., assignor to The Rialto Corporation, Rialto, Calif., a corporation of California
Application May 22, 1948, Serial No. 28,632
7 Claims. (Cl. 137—53)

1. A valve device comprising a casing having an inlet and having an outlet subject to back pressure, a differential fluid pressure operated relief valve having a diaphragm, one side of said diaphragm having one passage in said casing communicating with said inlet and the other side of said diaphragm having another passage communicating with said outlet, said relief valve having an exhaust passage communicating with said

back pressure outlet, said relief valve having a valve member cooperating with said diaphragm and controlling said exhaust passage, said diaphragm being responsive to an excess in said back pressure over said inlet pressure to operate said



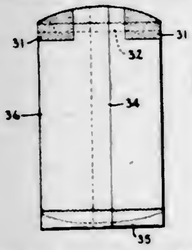
valve member and relieve the back pressure, and a check valve for checking reverse flow from said outlet to said inlet while leaving said other passage in communication with said outlet during back pressure by said relief valve member.

2,576,542

METHOD OF PRODUCING SEALED BAGS

Walter A. Schoen, Milwaukee, Wis., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application March 22, 1948, Serial No. 16,333
3 Claims. (Cl. 93—3)



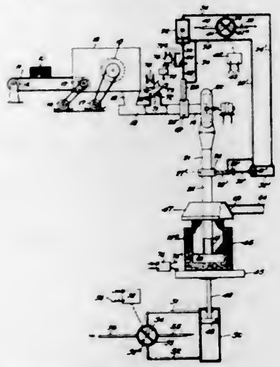
1. The method of producing bags from a web of sheet material, which comprises, initially applying local laterally-spaced spots of heat-sealable material to one face of a continuous web of sheet stock inwardly of the side edges thereof, continuously advancing the web and applying transverse strips of heat-sealable material to the opposite face thereof and entirely thereacross at approximately the same areas as said local spots, thereafter applying a continuous adhesive strip to a longitudinal edge portion of the web and folding the web to form a tube adhesively united along the longitudinal edge portion to form a longitudinal seam and with said local spots on the exterior surface of said tube on opposite sides of the seam, severing said tube in proximity to each set of said local spots and transverse strip to provide tube sections each having a set of exterior laterally-spaced spots of heat-sealable material and an interior transverse heat-sealable strip adjacent one end thereof, closing and sealing the end of each tube section remote from said spots and strip to provide a bag, and finally supplying the bag with commodity and folding the open bag end back upon itself with said local spots located interiorly of the fold and applying heat and pressure thereto entirely across the fold to produce a seal at the transverse strip and an external suspension pocket between the local spots.

2,576,543

CONTROLLED FLUID DELIVERY SYSTEM

Judson P. Smith, Cloquet, Minn., assignor to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware

Application December 2, 1946, Serial No. 713,602
15 Claims. (Cl. 302—17)



1. In a system having a fluid delivery under control of valve means and a movable device at a delivery station which device has a set position for accepting delivery when said valve means is open and which device is movable from set position to idle position, electrical station-control means arranged when energized to move said device from idle to set position, electrical valve-control means arranged when energized to move said valve means from closed to open position, a manual starting switch arranged for manually held closure to energize said station-control means, a holding switch around said starting switch arranged for closure only upon open status of said valve means, and an electrical switch normally open and arranged when open to prevent energizing said valve-control means to open said valve means and arranged for closure only when said device is in set position.

2,576,544

MOTORCAR SERVICE MECHANISM

Roy D. Smith, Mertzon, Tex., assignor to Bee-Line Company, Scott County, Iowa, a copartnership

Application August 28, 1945, Serial No. 613,163
4 Claims. (Cl. 33—203.12)



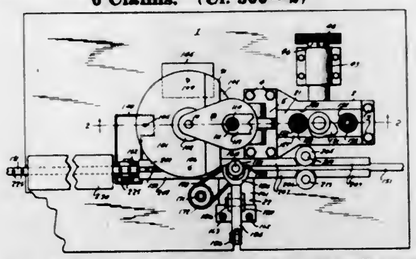
2. A structure for the purpose indicated comprising a support for the dirigible wheels of a motor vehicle, an approach pivotally connected to the support, links connected to said approach to cause turning thereof about its pivotal connection, a shaft having a plurality of cranks connected to said links, said cranks being arranged in different angular relation to the shaft, and means for turning the shaft to cause raising and lowering of the approach about its pivotal connection.

2,576,545

APPARATUS FOR MAKING BRUSHES

John A. Starr, Riverdale, N. Y., assignor to M. W. Jenkins Sons, Inc., Cedar Grove, N. J, a corporation of New Jersey

Application October 7, 1948, Serial No. 53,339
6 Claims. (Cl. 300—2)



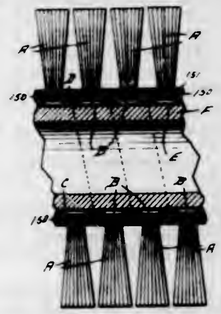
1. In a device of the character described the combination of a reciprocal rope feeding mechanism operative to successively advance sections of a rope of plastic filaments into a holder, a turret having a plurality of holders carried thereby, means for indexing said turret in timed relation to the operation of said rope feeding mechanism to successively advance said holders to said rope feeding mechanism in position to have said rope sections inserted therein, a shearing mechanism operative to successively cut said sections from said rope after they have been inserted into said holders, a heating element to which said holders are advanced from said rope feeding mechanism by said turret, means operative to successively project the lower ends of said sections from said holders into engagement with said heating element to fuse the ends of the filaments together in a solid sheet integral with said filaments, a discharge station to which said holders are successively advanced from said heating element by said turret and means at said discharge station operative to successively project said sections from said holders and insert the lower ends thereof into spaced apertures in a holder strip.

2,576,546

METHOD OF MAKING BRUSHES

John A. Starr, Riverdale, N. Y., assignor to M. W. Jenkins Sons, Inc., Cedar Grove, N. J., a corporation of New Jersey

Application October 7, 1948, Serial No. 53,340
10 Claims. (Cl. 300—21)



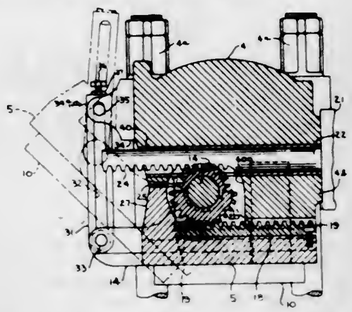
1. The method of making brushes comprising forming individual tufts of plastic bristles having the corresponding ends of said bristles fused into a thin solid sheet integral with said bristles, securing the fused ends of said tufts in spaced apertures in a narrow endless strip of uncured rubber, winding said strip upon a core with the edges of adjacent convolutions in contact with each other, and then applying sufficient heat thereto to cure said strip and cause it to fuse into a homogeneous sheet upon said core.

2,576,547

TILTING HEAD PRESS

Eugene B. Sutherland, Akron, Ohio, assignor to Emmett Machine & Manufacturing, Inc., Akron, Ohio, a corporation

Application October 14, 1948, Serial No. 54,446
8 Claims. (Cl. 18—16)



1. A press comprising a plurality of support posts, a head member carried by said support posts, a piston slidably associated with said support posts, means for reciprocating said piston, a base platen carried by said piston, a head platen, shaft means journaled in said head member, a pair of hanger arms pivotally supported by said shaft means in spaced relation to support said head platen therebetween, said hanger arms having a slot along the inner face thereof, a rail secured along the side portions of said head platen, said rails being adapted to engage said slots for slidably supporting the head platen between the hanger arms, means associated with said head platen for limiting the sliding movement of said head platen with relation to said hanger arms, a rack associated with said head platen, and a gear carried by said shaft means and engaged with said rack to move said head platen to an extremity of its sliding movement on said hanger arms and then to pivot the said hanger arms and head platen as a unit about said shaft means.

2,576,548

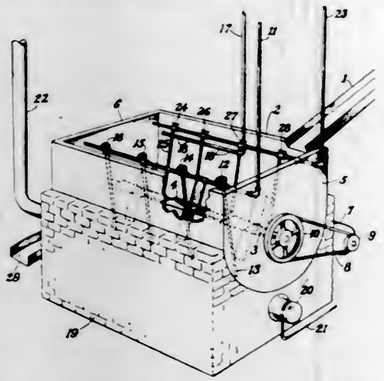
APPARATUS FOR PREPARING COAL DUST FOR BRIQUETTING

Lewis A. Tarpley and Clarence H. Fleming, Louisville, Ky., assignors to Stokett Development Corporation

Application September 16, 1949, Serial No. 116,002
2 Claims. (Cl. 259—25)

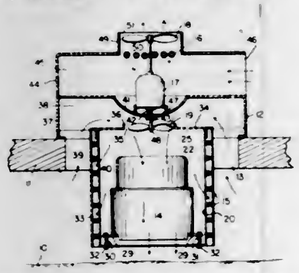
1. Apparatus for preparing coal dust for briquetting, comprising: a mixing mill having a charging end and a discharge opening at the opposite end; said mill having means for agitating the coal dust continuously and simultaneously conveying said dust from the charging end to the discharge opening; a steam supply pipe with a plurality of nozzles arranged to introduce steam into the coal dust in said mill; a compressed air

supply pipe with a plurality of nozzles arranged to introduce air under pressure into the coal dust in said mill; said steam and air nozzles being arranged progressively along the path of travel of the dust and individually valved so that any portion of the steam and air nozzle valves may be closed, thus permitting steam to be introduced along a portion of the travel and air along a later portion and also permitting variation of the point



where introduction of steam ceases and introduction of air begins; a liquid binder supply pipe arranged to spray liquid binder onto the coal dust in said mill; means to convey mixed coal dust and binder from the discharge opening directly to briquetting rolls; and means for applying heat directly to said mill in sufficient quantity to raise the temperature of the coal dust above the boiling point of water.

2,576,549
AIR-CONDITIONING UNIT
Carl J. Wagner and Grant V. Mack, Sturgis, Mich., assignors to Marvel Industries, Inc., Sturgis, Mich., a corporation of Michigan
Application December 19, 1949, Serial No. 133,918
6 Claims. (Cl. 62—117.45)



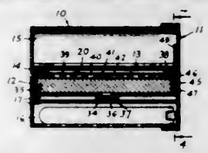
1. In a room to be air conditioned, air conditioning apparatus mounted on the floor of said room comprising upper and lower chambers, a wall separating said chambers, a refrigerant evaporator coil in the upper chamber, a motor driven fluid refrigerant compressor in the lower chamber, a condenser coil for compressed refrigerant also in said lower chamber, said upper chamber communicating with the atmosphere within the room and said lower chamber communicating with the atmosphere beneath the floor through an aperture therein, an air circulating fan within said upper chamber, an air flow controlling baffle within said lower chamber surrounding said compressor and said condenser coil, and an air circulating fan within said lower chamber for drawing air from beneath said floor to be directed by said baffle over said compressor and condenser coil and back underneath said floor.

2,576,550
DENTIFRICE-CONTAINING DEVICE AND DENTIFRICE APPLICATOR THEREFOR
James F. Waters, New York, N. Y.
Application January 10, 1948, Serial No. 1,654
5 Claims. (Cl. 132—84)



1. In a device for dispensing dentifrice wherein an elongated casing having an open end contains a perforated sleeve which forms a central chamber within itself and an annular chamber between the perforated sleeve and the casing, said sleeve being removably supported in said casing by a ring carried by said sleeve and engaging the casing adjacent its open end, the combination with said perforated sleeve of a carrier for dentifrice wrapped around the sleeve with the dentifrice carried thereby lying in contacting relationship with the exterior of the sleeve.

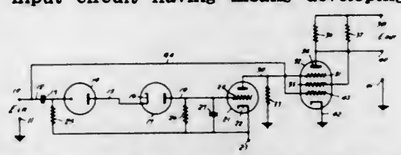
2,576,551
TOOTHBRUSH AND DENTIFRICE PACK
James Francis Waters, New York, N. Y.
Application July 24, 1948, Serial No. 40,573
9 Claims. (Cl. 132—84)



1. A dentifrice-dispensing device comprising a container for dentifrice and having an elongated opening at one face thereof, a moveable plate within said container, said plate closing said opening and containing a plurality of holes for the passage of dentifrice therethrough, a casing having an opening for the insertion of said container into said casing; means within said casing for locating said container within a portion of said casing, a closure for said container, said closure being adapted for covering the elongated opening in said container and for removal from said casing to permit access to the holes in said moveable plate.

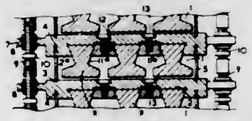
2,576,552
ELECTRONIC SWITCHING CIRCUIT
Roland C. Wittenberg, Mineola, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 11, 1950, Serial No. 178,931
5 Claims. (Cl. 250—27)

1. A system of the class described comprising an amplifier tube having an anode and a control grid, an output circuit connected to said anode, an input circuit connected to said control grid and carrying an input signal, a second input circuit carrying said input signal, said second input circuit having means developing a



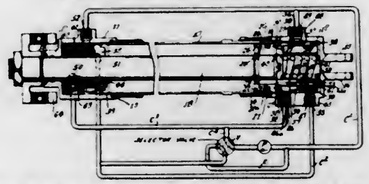
blocking voltage and connected to block said amplifier tube and having means responsive to said input signal when said input signal reaches a predetermined value to remove said blocking voltage.

2,576,553
ELECTROLYTIC CELLS
Svend Vind Andreasen, Stockton-on-Tees, England, assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England, a British company
Application October 15, 1948, Serial No. 54,651
In Great Britain October 18, 1947
1 Claim. (Cl. 204—219)



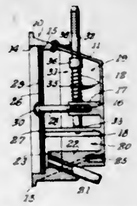
A vertical assembly of electrolytic cell units connected in series comprising a plurality of electrically conductive plates each having a substantially horizontal but slightly sloping upper face adapted to support and maintain electrical contact with a sheet of liquid metal flowing along its upper face to form the sole cathode of one cell unit and having at least one anode of the cell unit therebeneath electrically connected thereto and depending from a lower surface thereof, said plates having longitudinal grooves at the edges of the upper and lower faces and in vertical alignment, side walls for each cell unit having their upper and lower end portions located in the longitudinal grooves, said grooves having a depth sufficient to allow adjustment of the plates in vertical relation to one another, and support members of vertically adjustable length externally supporting said plates horizontally in vertical spaced relationship to one another and carrying the whole of the weight of said plates.

2,576,554
LOCKING AND PRESSURE RELEASE MECHANISM FOR HYDRAULIC MOTORS
Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware
Application February 25, 1946, Serial No. 649,851
9 Claims. (Cl. 121—40)



1. A hydraulic motor comprising a hollow cylinder, a piston reciprocable axially of said cylinder, inlet ports at opposite ends of said cylinder for supplying fluid under pressure to said cylinder, a fluid return port at one end of said cylinder isolated from said inlet ports, a discharge port at said one end, said discharge port being connected to the inlet port at the opposite end of said cylinder, a member between said discharge and return ports having a passage therein connecting said return and discharge ports, valve means in said passage, said valve means being normally biased to closed position to disconnect said discharge port from said return port, and means on said valve means engageable by said piston when the latter is at said one end for opening said valve means to connect said discharge and return ports and by-pass the fluid from the inlet port at said opposite end through said discharge and return ports to relieve said piston of the pressure urging said piston toward said one end.

2,576,555
FUEL TANK
William E. Atwood, Glendale, and Robert L. Holland, Sunland, Calif.
Application September 29, 1949, Serial No. 118,678
7 Claims. (Cl. 158—46)

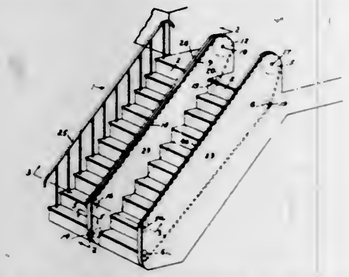


1. A fuel tank of the character described, comprising a hollow body having a partition therein dividing the same into two fuel chambers one above the other, there being a passage in said partition communicating the chambers, a slidably-mounted elongated member having a longitudinal passage and extending through the upper chamber, resilient means engaged with the body and said elongated member to project one end of the latter into said first passage to close flow between the chambers and to vent the lower chamber through said longitudinal passage, detent means normally releasably engaged with the elongated member to hold the same retracted and the chambers in communication, and an outlet for the fuel in the lower chamber.

2,576,556
STAIRWAY WITH MOVABLE HANDRAIL
Roger W. Babson, Wellesley, Mass., assignor to Gravity-Research Foundation, New Boston, N. H., a corporation of Massachusetts
Application January 24, 1950, Serial No. 140,269
2 Claims. (Cl. 20—10)

2. A stairway comprising a flight of fixed steps, a banister at each side of said steps, each said banister having side walls closed at the top by a channel guideway, a pair of rollers journalled between said side walls of each banister at each end thereof with their upper peripheries substantially tangent to said guideway, a roller journalled between said side walls below the upper of each said pair of rollers and beneath the top of said steps, a shaft extending transversely beneath the bottom step, a roller journalled on each end of said shaft and respectively between said side walls and beneath the lower of said pair of rollers, endless resilient banister hand rail ele-

ments trained in said channel guideways and respectively around said pairs of rollers and the rollers respectively therebeneath with the portions of said elements below said guideways respectively housed between said side walls, said guideways having longitudinally spaced openings



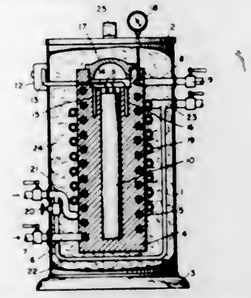
in the bottoms of the channels, rollers journalled in said openings to reduce friction between said endless hand rail elements and said guideways, and drive means beneath the lower of said steps and drivingly connected with said shaft to simultaneously drive both said endless hand rail elements at the same speed.

2,576,557
PARTITION BASE CLIP
William G. Baum, Milwaukee, Wis., assignor to Inland Steel Products Company, Milwaukee, Wis., a corporation of Delaware
Application February 9, 1948, Serial No. 7,169
5 Claims. (Cl. 72—46)



5. A solid wall partition clip formed of sheet metal and adapted to be secured to a floor for holding metal base sections having reverse inwardly directed flanges extending along their upper and lower edges, said clip comprising a vertical body section having a support at its lower edge for securing the same to the floor, and a pair of base locking members on each side of said body section and extending laterally from the plane of the body section with the outer ends of the locking members of each pair spaced vertically apart to engage behind the upper and lower flanges on a base section and with a resilient locking effect, the upper locking member of each pair being formed on a single common upper generally horizontal section bent from the upper edge of said body section to provide for a substantially common level for the base sections on opposite sides of the clip, each lower locking member constituting a finger bent generally horizontal from the body section and having a locking surface adapted to engage behind the lower flange of the corresponding base section for locking the latter in place, said horizontal upper section and said fingers cooperating to resiliently engage the corresponding flanges of the base sections to maintain the locking action referred to and being yieldable toward each other to provide for assembly and disassembly of the base sections with the clip.

2,576,558
PAINT HEATER
James A. Bede, Cleveland, Ohio
Application November 24, 1948, Serial No. 61,801
15 Claims. (Cl. 219—39)



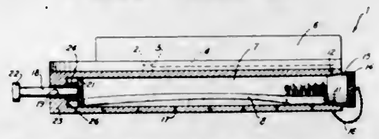
1. A paint heater comprising a housing, a heat exchange block within said housing, an electric heating element in said block having power leads extending through said housing, temperature responsive means in said block operative to open the heating element circuit upon heating of said block to a predetermined temperature, a cap connected to said block confining said element and means within said block and forming an explosion-proof chamber with said block which includes a minute leakage passageway communicating the chamber with the exterior of said block, means forming a passageway heated by said block through which paint is adapted to be flowed and thus heated, and inlet and outlet conduits leading from the exterior of said housing to opposite ends of such passageway.

2,576,559
GUN SLING
John D. Bennek, Milwaukee, Wis.
Application September 24, 1948, Serial No. 51,000
6 Claims. (Cl. 224—2)



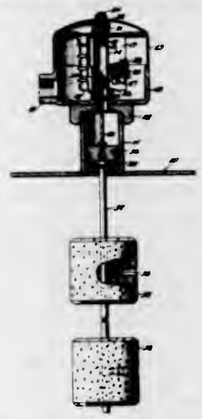
1. A gun sling for supporting a gun, which comprises a strap of substantial length folded and secured upon itself to provide a lower loop thereof encompassing the stock of the gun and an upper loop engaging the support from which the sling is suspended, a support for the barrel of the gun adjustable along said strap in the upper loop thereof, and an expansible support secured to the lower loop of the sling and adapted to receive and snugly fit gun stocks of different size and thickness.

2,576,560
COMBINATION TOOTHBRUSH, WATER GLASS, AND SOAP HOLDER
Frank J. Bidmon, Rockford, Ill.
Application September 26, 1946, Serial No. 699,381
4 Claims. (Cl. 312—206)



1. A bathroom fixture for atachment to a wall or the like, comprising a one-piece body defined by spaced upper and lower walls, said upper wall having upstanding ribs thereon to define spaced upwardly facing recesses, one of circular and one of rectangular configuration, said upper and lower walls being interconnected by spaced upstanding walls to define a horizontally extending passageway shaped to receive a toothbrush, said passageway at one end opening on to an end of the body, a removable closure for said opening and resiliently mounted abutment means mounted at the opposite end of the passageway, said means being movable between a first position in which the abutment is forced toward the extreme opposite end of the passageway by insertion of the brush in the passageway through said opening and with the removable closure in position to close the opening and a second position in which the abutment is urged toward the opening to partially eject the toothbrush from the passageway when the closure is removed to uncover said opening.

2,576,561
MAGNETIC CONTROL DEVICE
Benjamin L. Binford, Chicago, Ill., assignor to Magnetrol, Inc., Chicago, Ill., a corporation of Illinois
Application May 18, 1949, Serial No. 93,937
11 Claims. (Cl. 172—284)

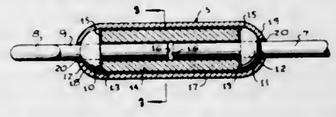


1. A magnetic control device comprising a support having a non-magnetic wall portion, a head movably mounted on the support, a magnetic element on the head movable relative to said wall portion on one side thereof, a complementary magnetic element movably mounted on the other side of said wall portion, an elongated rod connected to the last named magnetic element to move it and adapted to extend into a liquid containing tank, a spring urging the rod in one direction and a pair of displacers connected to the rod at spaced points in its length to urge it in the other direction.

2,576,562

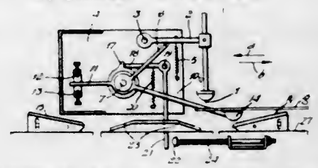
WITHDRAWN

2,576,563
SWIVEL JOINT
Kirby A. Blewett, Corpus Christi, Tex.
Application May 9, 1950, Serial No. 160,983
2 Claims. (Cl. 287—91)



1. In combination, a tubular cylindrical housing having closed concave ends, shanks journalled axially through said concave ends, convex enlargements on said shanks within said housing and bearing rotatably against the concave closed ends of the housing, the axially inward ends of the shanks being in axially spaced relation, and a sleeve circumposed on said shanks between said enlargements, with said enlargements bearing against the ends of said sleeve.

2,576,564
CUTTER TOOL CONTROL FOR GLASS CUTTING MACHINES
Edgard Brichard, Jumet, Marc Delacuvellerie, Loverval, and Pierre Malicheff, Couillet, Belgium, assignors to Union Des Verreries Mecaniques Belges, S. A., Charleroi, Belgium, a Belgian company
Application December 19, 1945, Serial No. 635,960
In Belgium January 4, 1945
12 Claims. (Cl. 33—32)



1. In a mechanism for controlling the cutter in a glass cutting machine, the combination of a frame, a reciprocating support movable along said frame, a shaft pivotally mounted on said support, an upward arm and a downward arm secured to said shaft, a shoe at the end of said downward arm, end ramps on said frame co-operating with said shoe to control the vertical movements of said arms, said upward arm having a lateral extension, a cutter carrier pivoted to said support, said cutter carrier resting on said extension, a latch for holding said arms in raised position, means operatively connected to said shaft and extending therefrom into engagement with the said latch, said latch being pivoted to said support, a yielding abutment on said frame for operating said latch to allow said upward and downward arms to drop, and a stop on said support for limiting the drop of said arms, said end ramp being sufficiently high to bring said means into engagement with said latch, and at least an intermediate ramp for momentarily lifting said means, said ramp being too low to bring said means into engagement with said latch.

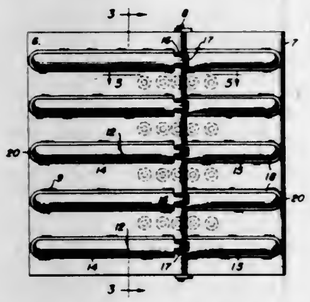
2,576,565
CERAMIC PRODUCT AND METHOD OF MAKING THE SAME
Charles Raymond Brown, Llanerch, Pa., assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa., a corporation of Delaware
No Drawing. Application April 4, 1947, Serial No. 739,357
12 Claims. (Cl. 106—39)

1. A ceramic article having a reddish coloration and possessing properties making it available for uses where clay and shale ceramic products are employed comprising, in the form of a shaped, dense, ceramic structure, refractory particles comprising coal-ash slag particles bound by interfacial fusion to and in a continuous matrix consisting of at least 80% of thermally merged fly ash, any remainder of said matrix being material fusible with said fly ash and forming therewith said continuous matrix, and said coal-ash slag being present in an amount between about 5% and about 80% based on the weight of the coal-ash slag and fly ash present in the product, substantially all of the iron in said fly ash being present in the ferric state.

2,576,566
AGGLOMERATED BODY AND THE METHOD OF PREPARING SAME
Charles Raymond Brown, North Wales, Pa., assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa., a corporation of Delaware
No Drawing. Application August 16, 1948, Serial No. 44,594
11 Claims. (Cl. 106—50)

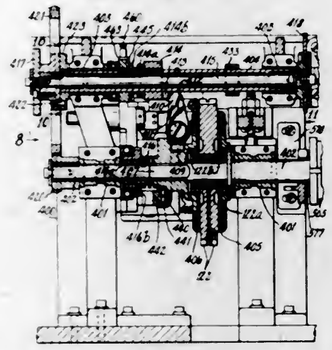
5. A hard, dense agglomerated body adapted for addition to the cupola in the manufacture of mineral wool, comprising in intimate admixture, non-cohesive, non-plastic particles of mineral wool-forming ingredients bound in a matrix comprising glauconite having a particle size no greater than 100 microns in an amount between 3% and 70%.

2,576,567
COTTON BOLL GUIDE FOR COTTON-PICKING MACHINES
Frank M. Brown, Bakersfield, Calif., assignor to Arthur L. Atkinson, Bakersfield, Calif.
Application July 11, 1949, Serial No. 104,110
2 Claims. (Cl. 56—44)



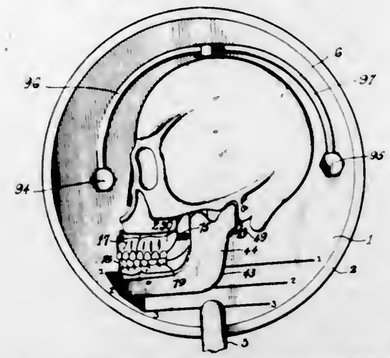
1. In a cotton picking machine having a longitudinal vertical passage through which cotton plants pass, and vertically spaced series of picker spindles revolving into and out of said passage about a vertical axis to pick cotton from the bolls on the plants, said passage having upright wall sections with hinged together vertical edges for relative play of the sections, horizontal vertically spaced guides on said wall sections spaced apart intermediate the series of spindles for guiding cotton bolls horizontally therebetween through said passage, said guides including guide sections having contiguous ends slidably fitted together for relative lateral and end play opposite the hinges of said wall sections such play compensating for play of said wall sections.

2,576,568
COIL-WINDING MACHINE
James S. Burge and Richard M. Goodwin, Anderson, and Hilton J. McKee, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application March 11, 1947, Serial No. 733,758. Divided and this application June 23, 1950, Serial No. 169,936
6 Claims. (Cl. 140—92.2)



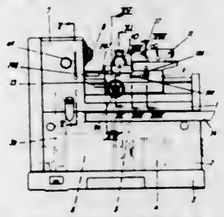
1. A coil winding machine comprising a shaft, a coil winding form driven thereby, a power operated driving clutch member, a driven clutch member connected with the shaft, a first spring for urging the driven clutch member into engagement with the driving clutch member, a wire-guide control shaft, gears connecting the shafts for driving the second shaft continuously at a speed less than the speed of the first shaft, a cam driven by the second shaft, a wire guide winder control by the cam, a device carried by the form for cutting the end lead of a wound coil and for anchoring to the form the start lead of the next succeeding coil, a mechanism adapted to operate said device when the form stops in a predetermined angular position, a control shaft driven by the second shaft through a lost motion connection which provides for movement of the control shaft independently of the second shaft, a clutch disengaging member connected with the clutch driven member, a cam operated by the third shaft to operate upon said clutch disengaging member to disengage the clutch against the action of said first spring slightly in advance of movement of the form to stopping position, a disc connected with the clutch driven member and providing a notch, a first shaft locking member for engaging the notch after the clutch is disengaged, a second spring urging said locking member away from said disc, means operated by the control shaft for biasing said locking member against the notched member ahead of disengagement of the clutch whereby the first shaft coasts into position in which the notch receives the locking member, and means for operating the control shaft independently of the second shaft to cause said cam of the third shaft to release said clutch disengaging member whereby said first spring is released to engage the clutch and to cause retraction of the locking member biasing means whereby the second spring is released to retract the locking member from said notch.

2,576,569
DENTAL DEMONSTRATING APPARATUS
George Henry Burtenshaw, Auckland, Auckland, New Zealand
Application October 19, 1949, Serial No. 122,189
In New Zealand June 30, 1949
14 Claims. (Cl. 32—71)



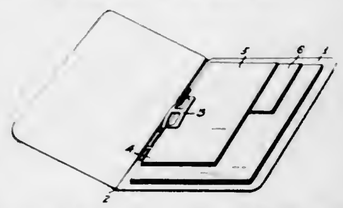
1. An apparatus for demonstrating effects on profiled facial expression of shrinkage of human gums fitted with artificial dentures comprising a support in the form of a plane element, profiled upper denture simulating means of general flat construction carried by said support for movement in a generally vertical direction for simulating upper gum shrinkage effects, a lower jaw simulating member of generally flat construction pivoted to said support for swinging movement, and profiled lower denture simulating means of general flat construction carried by the lower jaw member for movement in a generally vertical direction for simulating lower gum shrinkage effects.

2,576,570
SCREW MACHINE
Xavier François Castelli, Paris, France, assignor to Societe Cri-Dan, Paris, France
Application January 8, 1946, Serial No. 639,773
In France January 9, 1945
9 Claims. (Cl. 10—101)



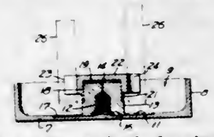
1. A screw machine comprising, in combination, a frame, a stationary headstock at one end of said frame, a driving spindle for the work piece rotatively mounted in said headstock, clutching and breaking means for said spindle mounted in said headstock, a set of stepdown gears with a reverse motion mechanism connected with said spindle and mounted in said headstock, a work bed secured to said frame, a slide bar disposed parallelly to the axis of said spindle and located upon said work bed, a carrier mounted on said slide bar for movement along the same, means for blocking said carrier on said slide bar in any selected position, a tool-holder mounted on said carrier, means on the carrier for imparting to said tool-holder to and fro movement parallelly to the axis of said spindle, means on the carrier for imparting to said tool-holder in timed relation to said to and fro movement a progressive advancing movement at right angle to the axis of the spindle, and means enabling adjustment of the number of the to and fro movements of the tool-holder and automatically stopping of the latter when the selected number has been achieved, the whole of the control and adjusting means of the movements of said tool-holder and of the means which determine the automatic stoppage of said tool-holder being mounted on said carrier and the said means being connected with the set of gears and with the clutching and braking means mounted in the said stationary headstock by means of shafts fitted with sliding key ways allowing them to follow the longitudinal movements of said carrier on the slide bar while remaining rotatively connected with said shafts.

2,576,571
FILE BINDER
André Antoine Chauvin, Paris, France
Application April 2, 1947, Serial No. 739,012
In France October 8, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 8, 1961
6 Claims. (Cl. 24—66)



6. Binding device for movable files comprising a rectangular base plate, means to secure the plate longitudinally to the back of a letter rack, an H-shaped member with resilient legs of unequal lengths, the longer of the legs having one end thereof hinged transversely to one side of said base plate for vertical swinging movement with respect thereto, a lug projecting laterally from said side of the base plate adapted to catch the free end of the longer leg of the H-shaped member and the shorter leg of the member being bowed upwardly medially of its ends and formed at either end with wings directed towards the longer leg and adapted to yieldingly bear upon the upper surface of the sheets being held.

2,576,572
ASH TRAY
Chester B. Clapp, Oakland, Calif.
Application June 3, 1946, Serial No. 674,053
1 Claim. (Cl. 131—240)



In an ash tray, a receptacle having at least one side wall and a bottom having a centrally dis-

posed recess, and a vertically disposed cigarette rest comprising a stem having a radially extending flange of heat resisting material positioned on the lower end portion of the stem and adapted to seat in said recess and to be coextensive therewith, and an element extending radially outwardly from the upper end portion of said stem, said element being parallel with and having a smaller radius than said flange, and said element having a plurality of notches in its periphery for gripping and holding cigarettes when said flange is positioned in said recess in parallel relation with said stem, in perpendicular relation to said element and said flange, and radially inwardly of the periphery of said flange.

2,576,573

PANEL FOR USE IN PHOTOGRAPHING MOVIE TITLES AND THE LIKE

Ernest R. Clark, La Verne, Calif.

Application November 1, 1949, Serial No. 124,927
2 Claims. (Cl. 95—85)



1. A photographic device for use in photographing symbols comprising a panel adapted to be vertically interposed between a light source and a camera, said panel having an opening formed therein and adapted for longitudinal alignment with a light source and a camera, retainers disposed above and below the opening and mounted transversely on the side of the panel facing the light source, a flexible opaque sheet, having a transparent center portion, slidably mounted in the retainers and covering the opening, means vertically disposed on the panel transversely of the ends of the retainers for releasably retaining the sheet against longitudinal movement within the retainers, channel members disposed transversely of the opening, means for locking said channel members on the side of panel facing the camera and in vertically arranged and superimposed relation, transparent panels formed in the webs of the channels and flexible opaque inserts adjustably and detachably housed in the channel members and having transparent symbols formed thereon.

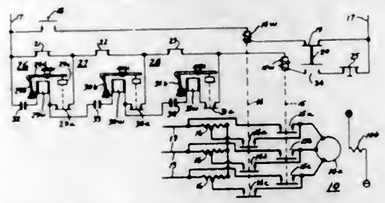
2,576,574

FAULT INDICATING SYSTEM FOR CONTROL CIRCUITS

Russell W. Cochran, Aliquippa, Pa.; Emilienne Cochran, executrix of Russell W. Cochran, deceased, assignor to Emilienne Cochran, Aliquippa, Pa.

Application September 29, 1948, Serial No. 51,730
7 Claims. (Cl. 177—311)

1. A fault indicating system comprising, an electromagnetic device having an operating winding, a supply circuit for said winding, a plurality of normally-closed protective contacts connected in said supply circuit and in series with each other and in series with said winding, loop circuits connected around said contacts, respectively, and indicating means having a plurality of actuating windings, said actuating windings being connected in said loop circuits, respectively, each being adapted to become operatively energized to actuate said indicating means upon opening of its associated one of said contacts, and means respective to



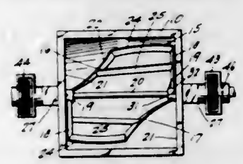
said circuits and each being operative, after actuation of said indicating means, in response to the flow of current in its associated one of said loop circuits for preventing the flow of current, and in its said associated loop circuit, each of said last named means including a voltage responsive means in series with a contact means and in series with the one of said actuating windings, in its associated loop circuit, and said contact means being operated by its associated one of said actuating windings.

2,576,575

MACHINE FOR MIXING AND KNEADING FOOD PRODUCTS AND THE LIKE

Lowell J. Collins, Oakland, Calif.

Application April 7, 1947, Serial No. 739,884
4 Claims. (Cl. 259—109)



1. In a machine for mixing or kneading food products, and including a container and an agitator having a shaft; coupling and supporting means comprising a hub for each end of said shaft and having each an axial bore and a diametric slot formed therein; a housing for each end of the container and attachable to the exterior thereof and having a first bearing at the inner end and having an axial bore at the other end, and a second bearing exteriorly threaded to slidably fit in said axial bore and keyed to said housing against rotative movement only, and a nut threadedly cooperating with said second bearing, and an opening formed through the side of said housing and having end shoulders; said nut peripherally projecting through said opening, with said shoulders retaining said nut against axial movement relative to said housing, a support shaft rotatably fitting in said bearings and axially non-movable in said second bearing, with one end slidable in the axial bore in said hub and having a diametric key to fit in said diametric slot, whereby said support shaft is retractable at will through manual rotation of said nut to release the agitator shaft for removal of the agitator from the container.

2,576,576

LUBRICATED THREAD

Arthur Cresswell, Stamford, and Edwin P. Johnstone, Jr., Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 19, 1946, Serial No. 663,600
8 Claims. (Cl. 128—335.5)

1. A non-irritating collagen suture carrying a lubricating film of a phosphatide.

2,576,577

LIQUID TANK MARKER

Clarence C. Criss, Arkansas City, Kans.

Application June 27, 1950, Serial No. 170,509
6 Claims. (Cl. 116—118)



1. A liquid level tank marker comprising in combination a liquid transport tank having a dome opening in its top wall, a marker rod consisting of a hard metal core and a relatively soft metal coating, said rod having upper and lower threads and an intermediate plain surface, the tank top wall having a rod-receiving guide opening adjacent the dome opening, a nut threaded on the upper threads of the rod and having means to lock the same in predetermined position, said nut engaging the inner side of the tank, a second nut engaging the outside of the tank top wall and holding the rod in a fixed position with respect to the wall, a pair of nuts threaded to the bottom threaded portion of the rod, a sighting disc on said rod and having at least a minor reflecting portion at the upper surface thereof, and said reflecting disc confined between said last mentioned nuts.

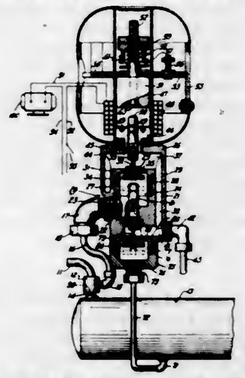
2,576,578

VALVE MECHANISM

William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware

Application July 19, 1946, Serial No. 684,730
9 Claims. (Cl. 230—24)

1. For use with an electric motor driven air compressor system or the like wherein the starting current of the motor is greater than the normal operating current thereof, an unloader valve mechanism comprising a valve chamber, a conduit for leading the output of the compressor to said chamber, a valve in said chamber, a discharge conduit leading from said valve to the free atmosphere, a movable armature for opening said valve, said armature being separate from and normally spaced from said valve, an electromagnet responsive to starting current in said motor for moving said armature to one position to open said valve, and resilient means for moving said armature to another position away from said



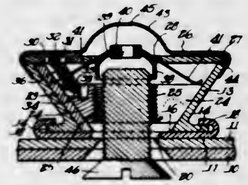
valve to permit said valve to close when the current flowing through said motor is less than said starting current.

2,576,579

CONE GRIP LOCK NUT

Raymond F. Donovan, Huntington, N. Y., assignor of thirty-five per cent to John J. Murphy, Chicago, Ill.

Application March 16, 1951, Serial No. 215,969
11 Claims. (Cl. 151—19)



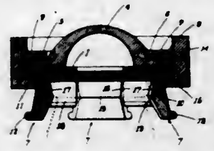
1. A nut assembly comprising, a tapered shell having an opening at its smaller end, a plurality of segments together forming a nut, the segments being housed within the shell and peripherally tapered to engage and be guided by the shell, means for preventing rotation of the nut segments with respect to the shell, resilient means urging the nut segments toward the larger end of the shell, and means engaged by a bolt inserted through the opening in the smaller end of the shell and between the nut segments for forcing the nut segments against the action of the resilient means toward the smaller end of the shell into engagement with the bolt.

2,576,580

BOTTLE CAP

Albert G. Edwards, Diamond Springs, Calif., assignor to Mero Co. Inc., Modesto, Calif., a corporation of California

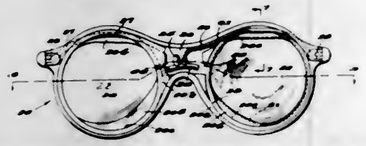
Application November 16, 1948, Serial No. 60,359
7 Claims. (Cl. 215—45)



1. A bottle cap comprising a circular sealing gasket, a clamping member seated on the sealing

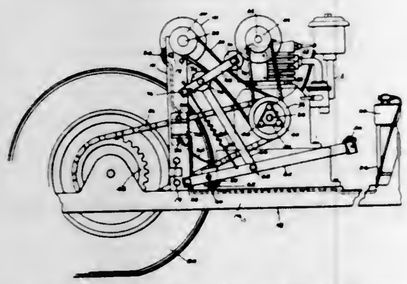
gasket, a plurality of circumferentially spaced locking fingers loosely mounted on the clamping member at the periphery and depending therefrom about the sealing gasket, said fingers having nubs projecting inward therefrom in spaced relation below the sealing gasket, a ring normally surrounding the locking fingers for relative up and down motion, and means between the fingers and ring arranged to urge the fingers inward upon relative downward motion of said ring; the fingers including heads on their upper end, the heads being within the ring and having inwardly opening notches, and the clamping member engaging at its periphery in said notches.

2,576,581
POLYFOCAL SPECTACLES
Benjamin F. Edwards, Mojave, Calif.
Application July 9, 1946, Serial No. 682,342
3 Claims. (Cl. 88—41)



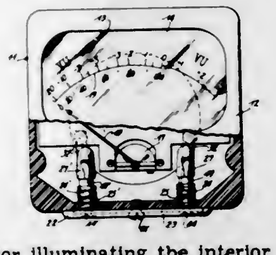
1. Polyfocal spectacles comprising a frame having lens channel means, liquid expansible variable diopter lens means mounted therein, said frame further comprising temple bar means, said frame and its temple bar means being hollowed, and being hinged together, a compressible liquid reservoir separate from said lens, a duct connecting the same with said liquid expansible lens and digitally adjustable means for compressing said reservoir, said duct and reservoir being entirely housed in said frame, and said adjusting means being movably mounted in said temple bar in position to move against and compress said reservoir, said adjusting means having a tactile portion projecting from said temple bar and manipulable by the fingers of the wearer while the spectacle is being worn.

2,576,582
SCOOTER STARTER UNIT
Floyd A. Elliott, San Diego, Calif.
Application January 18, 1946, Serial No. 642,026
1 Claim. (Cl. 74—6)



A device of the character described, comprising a support, an electrical starter mounted on said support, a switch on said support for energizing said starter, current means for said starter, a belt drive for connecting said starter to a driven means, manually actuated means for tensioning said belt drive to cause rotation of said driven means by said starter, said last means comprising a pair of spaced upper levers and a lower lever pivotally connected at their inner ends to said support in spaced relation to each other, a link connected at its lower end to the lower lever and at its upper end to the upper levers, a roller rotatably mounted intermediate of the upper parallel levers at their outer ends, a second roller rotatably mounted intermediate of the upper levers at the point of connection of the link with the upper levers, and said rollers are mounted for coaction with said belt drive, a pedal connected to the outer end of said lower lever whereby pressure of said pedal causes said rollers to engage and tension said belt drive and spring means connected to said lower lever and said support to return said lower lever upwardly after the depression thereof.

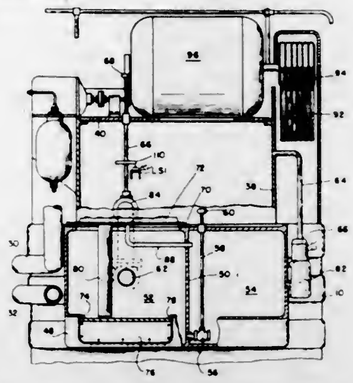
2,576,583
DETACHABLE LAMP ASSEMBLY FOR ILLUMINATING INSTRUMENTS
Weldon C. Emery, Des Moines, Iowa, assignor to Burlington Instrument Company, Burlington, Iowa, a corporation of Iowa
Application March 30, 1948, Serial No. 17,931
1 Claim. (Cl. 240—2.1)



Means for illuminating the interior of an instrument housing comprising, in combination: a housing having an outer wall of dielectric material provided with spaced openings, an assembly including, bolts mounted on an outer wall of said housing projecting into the interior thereof, sleeves carried by said bolts, and contact clips carried by said bolts positioned by said sleeves adjacent said spaced openings; and a detachable lamp assembly including a mounting strip of dielectric material detachably fastened to the external face of said housing, a terminal lug inlaid in said dielectric strip, a pair of lamp sockets mounted in spaced relation on said strip, the shells of said lamp sockets being insulated from said lug and projecting through said openings to engage said contact clips, incandescent lamps in said sockets, the center contact points of said lamps electrically connected to said lug by means of rivets engaged with said lug, and spring contacts in said sockets secured to said rivets, whereby upon connection of said bolts to a source of electricity said incandescent lamps are energized.

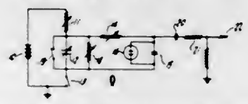
2,576,584
RESERVOIR AND TANK ARRANGEMENT FOR HYDRAULIC PRESSES
Walter Ernst, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Original application September 15, 1949, Serial No. 115,901. Divided and this application December 1, 1950, Serial No. 198,670
11 Claims. (Cl. 60—52)

6. In a hydraulic press; a press frame comprising a head with a pressing cylinder therein, a reservoir mounted on top of the press head, a closed tank mounted on one side of the press head below the level of said reservoir and conduit means communicating said tank and reservoir, a pump mounted on said tank and connected to draw fluid therefrom and adapted for supplying pressure fluid to said cylinder, and means for interrupting the communication between said tank and reservoir.



10. In a hydraulic press having a head; a reservoir mounted on top of said head, a closed tank mounted on the back of said head, a valved connection from the reservoir to the tank, and a removable cover plate on the bottom of said tank to permit cleaning thereof.

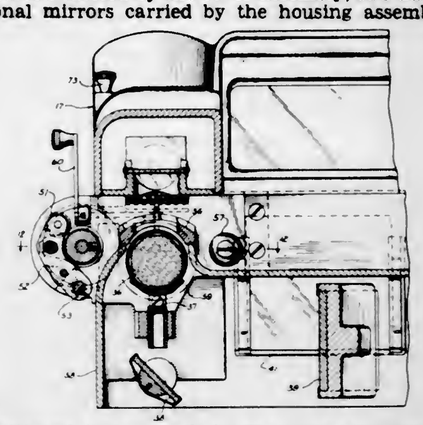
2,576,585
ELECTRONIC SIREN
William Fleming, San Leandro, Calif., assignor to Selectronics, Inc., San Leandro, Calif., a corporation of California
Application April 19, 1948, Serial No. 21,779
2 Claims. (Cl. 177—7)



1. An electronic siren including in combination an audio oscillator comprising a first resistor, a first capacitor and a control switch in series, a second resistor and a second capacitor in series connected across said first capacitor, said second capacitor being of a smaller value than said first capacitor, a gas discharge tube shunted directly across said second capacitor and a bleeder resistor and a shunt switch each connected individually across said first capacitor; an audio amplifier arranged to amplify the oscillations generated by said oscillator, and a loudspeaker arranged to reproduce the output of said amplifier.

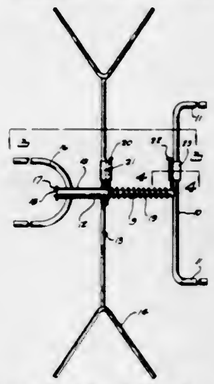
2,576,586
PROJECTION FILM VIEWER
Leo Frankel, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee
Application March 12, 1948, Serial No. 14,405
1 Claim. (Cl. 88—16.8)

A projector viewer of the character described, comprising a housing assembly, a housing cover assembly and an optical assembly, together forming a complete viewer, a projection lamp carried by the housing and extending up into the said cover, a single condenser lens and mirror carried by the cover receiving light from the said projection lamp and directing the same downwardly, a second condenser lens carried by the said optical assembly, a film track with a gate aperture on the optical assembly below the second-mentioned condenser lens, a rotatably supported optical prism below said gate aperture, an objective lens carried by the optical assembly, a tiltable mirror carried by the housing assembly and receiving light from the said objective lens, a screen carried by the cover assembly, two additional mirrors carried by the housing assembly



positioned to receive light from the said tilting mirror and projecting the same onto said screen, a sprocket rotatably supported by the optical assembly and having a direct gear drive connection to said optical prism, and roller means carried by said housing and shaped to accommodate themselves to different sizes of film, the said optical assembly being supported between the said cover assembly and housing assembly, the construction and arrangement being such that only the said optical assembly is required to be replaced to accommodate the viewer to films of different size, and the said tiltable mirror having the function of framing film pictures on the screen.

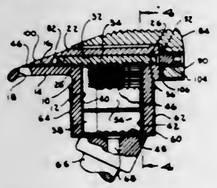
2,576,587
FISHING REEL
Joseph D. Furbush, Adrian, Mich.
Application September 23, 1948, Serial No. 50,705
2 Claims. (Cl. 242—104)



2. A reel of the class described, comprising: a rod; a reel embodying a line receiving member

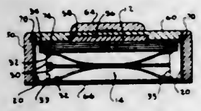
adapted for receiving a flexible line to be wound thereon, said rod projecting outwardly from opposite sides of said reel; a gripping member mounted on said rod adjacent one end and projecting outwardly radially therefrom; a crank on said gripping member; a gripping member on the opposite end of said rod, at least one of said gripping members being rotatable relatively to said rod; a spring member, one end of said spring member being secured in fixed relation to said crank-bearing gripping member and the opposite end of said spring being secured in fixed relation to said reel for limiting relative rotation of said crank-bearing gripping member and said reel in either direction within the limits of distortion of said spring and for effecting a rotation of said reel upon rotation of said crank-bearing gripping member in either direction.

2,576,588
MAGAZINE TYPE SAFETY RAZOR
Joseph A. Gabriel, Rocky River, Ohio
Application May 8, 1950, Serial No. 160,628
4 Claims. (Cl. 30—40)



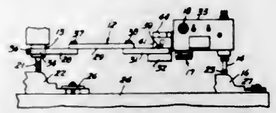
1. A razor comprising a body having a chamber therein and a blade supporting surface adjacent the upper end of said chamber, a magazine having a plurality of blades therein, movable means on said magazine for releasably confining said blades therein, a cap secured to said body and providing a cover for the upper end of said chamber, said magazine being insertable in said chamber through the lower end thereof, means on said cap cooperable with said movable means on said magazine upon insertion of said magazine into said chamber for releasing said blades for movement from said magazine, a detachable cover for the lower end of said chamber, and a slide member for successively positioning said blades in shaving position on said supporting surface.

2,576,589
BLADE MAGAZINE FOR RAZORS
Joseph A. Gabriel, Rocky River, Ohio
Application June 2, 1950, Serial No. 165,811
7 Claims. (Cl. 30—40)



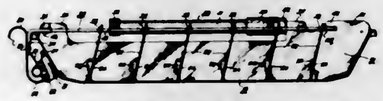
1. A magazine unit for use with a razor having a chamber therein adapted to receive said unit, comprising a container having front and back walls and movable end walls, the upper ends of said end walls normally being disposed inwardly of said container, a stack of blades in said container, said end walls being springable outwardly to permit said blades to be inserted in said container, said upper ends of said end walls being engageable with the top blade of said stack of blades when said blades are arranged in said container, spring means in said container for biasing said blades upwardly against said end walls, said end walls being engageable with a part of said razor upon insertion of said unit into said chamber in said razor so as to be sprung outwardly, thereby releasing said blades for movement out of said container under the influence of said spring means.

2,576,590
DIMENSION DUPLICATING ATTACHMENT WITH INDICATING MEANS
Arnold A. Gentzhorn, Rockford, Ill.
Application February 3, 1948, Serial No. 5,961
8 Claims. (Cl. 33—172)



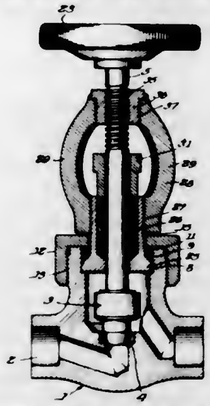
1. In a duplicating mechanism, the combination of indicating means, a support having an annular opening defined by side walls which taper inwardly from the upper end of the opening, a chuck extending downwardly through said opening and provided at its upper end with a circular head having a flat upper surface, said head being formed at its periphery with a plurality of annularly spaced bearing surfaces abutting the tapered side walls defining said opening for suspending the chuck therefrom, a lever pivotally mounted on said support for actuating said indicating means, a bearing surface unitary with the lever and engaging the flat upper surface on the head whereby movement of the head simultaneously moves said lever, a tracer finger rigid with said chuck and having a contact surface for engagement by a pattern, and bearing means positioned below the annular opening acting between said chuck and said support to guide the chuck upon axial displacement thereof and forming a fulcrum for transaxial displacement of the contact surface to force the head up along the inclined side walls of the annular opening to move the lever for actuating the indicating means.

2,576,591
MECHANICAL FREEZING TRAY AND METHOD OF OPERATING SAME
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 26, 1947, Serial No. 757,288
7 Claims. (Cl. 62—108.5)



7. In a freezing device, in combination, a container ice pan, a removable grid insertable within said pan and having a plurality of relatively movable partitions for dividing the frozen contents of said pan into ice blocks, and a separate unitary grid-actuating motor carried by said grid and having reaction members which are forced to move in opposed directions at a predetermined temperature, said reaction members being arranged to react between relatively movable portions of said grid for moving said partitions relative to each other to loosen said ice blocks after they are frozen.

2,576,592
VALVE CONSTRUCTION
Charles A. Glauque, Berwyn, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 11, 1946, Serial No. 682,877
2 Claims. (Cl. 251—50)



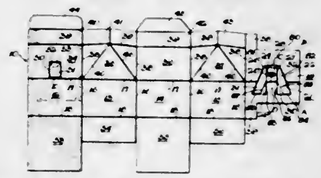
1. A pressure sealing joint, the combination including a body member with an inlet and outlet passage and an opening substantially transverse to the inlet and outlet passages, a valve stem in the opening, a yoke having a pair of spaced arms terminating in a valve stem guide at one end, a removable connecting element cooperating with the other end of said yoke arms, the said connecting element having an enlarged end portion snugly received within said body opening, a union nut connecting said yoke through said connecting element to said body member, the internal diameter of the union nut being less than the greatest distance across said arms, the connecting element being initially movable limitedly axially within the opening of said body member, packing means supported on the back of the enlarged end portion of the connecting element between said union ring, said connecting element and said body, the union nut effecting the initial compression of said packing means, the said yoke being threadedly mounted on the connecting element to bear against the said union nut whereby to provide for additional compression of said packing means upon assembly of the pressure sealing joint with the said body member.

2,576,593
CUTTER BAR FOR LAWN MOWERS AND THE LIKE
Harry Goldberg, Chicago, Ill., assignor, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware
Application August 9, 1945, Serial No. 609,837
2 Claims. (Cl. 56—289)



1. In a cutter bar for lawn mowers and the like, a sheet metal cutter bar including a bottom sheet metal element and a top sheet metal element, the elements being of the same length but of different widths, each element having an integral longitudinal concavo-convex reinforcing rib, the concavity of each two ribs being opposite whereby they define, with the surrounding parts of the sheet metal elements, a hollow box-like truss, the two elements being secured together about the hollow so formed, each element having a plane portion forwardly of the reinforcement so formed, the forward plane portion of one being of greater width than the forward plane portion of the other, and a blade member permanently secured to the wider of the two portions, the two elements abutting throughout their entire width at the end of the cutter bar thus formed and being upwardly turned together at their ends in a normal bend, and a pivot member secured to and extending through the upwardly turned portion of the two elements, through aligned openings, the two elements being integrally connected at a plurality of abutting points.

2,576,594
METHOD OF FORMING A POURING SPOUT BLANK
Saul Goldstein, San Francisco, Calif.
Application March 19, 1948, Serial No. 15,921
1 Claim. (Cl. 93—58)

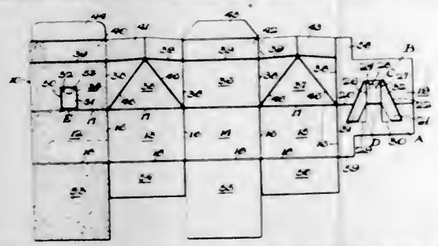


The method of forming a blank for a liquid pouring spout and comprising the operation of cutting a sheet of material along the following straight lines: a straight line, along two equal straight lines each starting at an end of the first line and diverging from each other, along two colinear lines starting each from another end of the divergent lines and having adjacent ends spaced from one another and being parallel to the first line, along two second parallel lines each extending toward said first straight line from one of the spaced ends of the colinear lines and perpendicular thereto, along two diverging lines each starting at an end of one of the parallel lines and ending at one of the colinear lines and parallel to one of the first pair of diverging lines, thereby producing a pair of cut out portions of the shape of a right angled triangle; of scoring the sheet exterior to the figure bounded by the preceding cutting lines along two second colinear lines spaced at their adjacent ends and with said adjacent ends meeting said first pair of diverging lines, scoring within the figure on a line colinear with the first two score lines and through the ends of the parallel cutting lines nearest the first cutting line, and scoring along two parallel lines each colinear with one of the parallel cutting lines and perpendicular to the first score line, and of removing the cut-out portions of the shape of right angled triangles.

2,576,595
DISPENSING CONTAINER
Saul Goldstein, San Francisco, Calif.
Original application March 19, 1948, Serial No. 15,921. Divided and this application March 18, 1949, Serial No. 82,185
1 Claim. (Cl. 229—17)

A container for use in dispensing liquids such as milk, said container being fabricated of a

single sheet of paper and at least one upright wall portion thereof being two plies in thickness, the outer ply of such wall portion being incised to provide a rectangular opening closed by a seal tab attached at the upper end to the outer ply by a downwardly curved line of perforations, the inner ply of such wall portion being incised to provide a rectangular panel, said panel being divided into substantially equal rectangular sections by a transverse score line, the lower of said sections being adhesively fixed to said outer ply below said rectangular opening therein and the upper of said sections being positioned opposite to said outer ply opening, the lower edge of said outer ply opening being in alignment with the said transverse score line of the said rectangular inner ply spout panel, whereby said upper free section may be downwardly and outwardly dis-



placed over the said lower edge of said outer ply opening to form the bottom of a pouring spout, said lower edge of the outer ply opening serving as a fulcrum for said pouring spout, and side wing-like members carried only by said free spout section pivotally connected thereto by parallel score lines along each longitudinal edge of said free spout section and in continuous alignment with the longitudinal edges of said fixed lower section, said wing-like members extending diagonally downward from the said parallel score lines adjacent the parallel side edges of the lower rectangular fixed section adapted to be forced by the side parallel edges bounding the outer ply opening to an upright position substantially at right angles to said spout bottom of the said free section when said free section is pulled outward through the said rectangular opening in the outer ply.

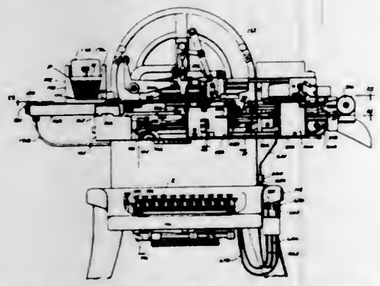
2,576,596

PLATE BLANK HANDLING MEANS FOR EMBOSSING MACHINES

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application August 1, 1946, Serial No. 687,724

14 Claims. (Cl. 197—6.6)



1. In a machine for embossing printing characters on printing plate blanks having grooves and notches formed therein, the combination of a blank magazine, means for feeding blanks from said magazine, means for engaging a notch in each blank in said magazine, except the lowermost blank, to prevent premature feeding of any blank except the lowermost, and means for engaging a groove in each blank fed from said magazine to hold said blank securely and accurately during embossing thereof.

2,576,597

DEHYDRATED CHEESE PRODUCTS AND METHOD OF MAKING

Louis Gootgeld, Escondido, Calif.

No Drawing. Application November 15, 1950, Serial No. 195,923

5 Claims. (Cl. 99—116)

1. The method of dehydrating a soft cheese comprising a casein curd enclosing a major portion of whey, to produce a storable product which can be rehydrated to a soft cheese of comparable flavor and texture with the original cheese, which comprises quick freezing the cheese, and reducing the water content of the cheese from its original major content to below 2%, while maintaining the cheese under such conditions that the whey does not migrate from the interior of the curds to the outer surfaces.

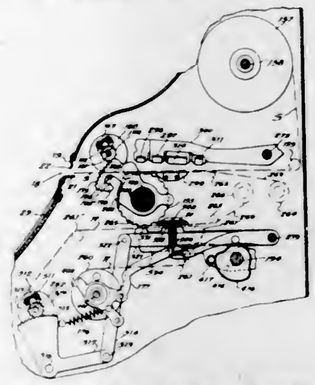
2,576,598

PRINTING MECHANISM FOR CASH REGISTERS

John H. Gruver, East Cleveland, Ohio, assignor to Addressograph - Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application March 22, 1946, Serial No. 656,195

1 Claim. (Cl. 101—317)



In a cash register having a housing, feeding means within said housing operable to feed a record strip along a predetermined path therein, and settable type elements disposed at a point along said path for printing engagement with said strip at a first printing station, a printing plate holder securely mounted within said housing and accessible therethrough and adapted for insertion and positioning of a printing plate therein for printing engagement with said strip at a point along said path defining a second printing station, said holder being provided with an opening in its base the entrance of which is adapted both for ingress and egress by a reciprocable detector pin and closure by a portion of a printing plate defining an improper positioning thereof in said holder, impression members at each of said printing stations, actuating means for said members, and means to disable said actuating means when an improperly inserted printing plate is effective to cover the opening in said holder, said last-named means comprising an arm located adjacent said holder and automatically reciprocating at right angles relative to the base thereof during a normal printing cycle, and a depressable detector pin carried on said arm for sliding movement in the plane of its longitudinal axis, which axis is in substantial alignment with the opening in said holder, said pin being free at one end and movable with said arm during a normal printing cycle to a non-depressed terminal position determined by said arm movement and the free ingress of said end into said holder opening when the latter is closure-free, the other end of said slidable and reciprocable pin being in contact during a normal printing cycle with interrupting means for said actuating means, whereby, when an improperly positioned printing plate is effective to close said holder opening said pin is stopped short of its normal terminal position and is thereby depressed away from said holder in its slidable mounting to cause said interruptor to disable said impression member actuating means.

2,576,599

MAGNETRON

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 21, 1946, Serial No. 649,342

9 Claims. (Cl. 315—39)

1. A magnetron comprising a cathode, an anode structure having a plurality of spaced target portions surrounding said cathode, and a pair of spaced control wires parallel to and insulated from each other and said cathode, but spaced closer to said cathode than to said anode structure, means for producing a magnetic field acting transversely to the anode-to-cathode path, said control wires being arranged on opposite sides of said cathode, each of said control wires being arranged between said cathode and one of said target portions, and leads connected to said control wires for supplying alternating current input power thereto.

2,576,600

DEVICE FOR GENERATING NEUTRONS

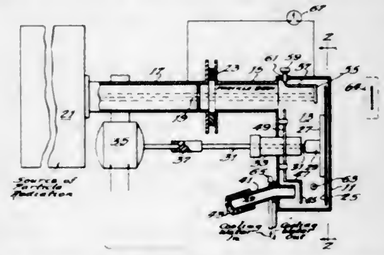
Alfred O. Hanson, Grand Forks, N. Dak., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application July 3, 1945, Serial No. 603,088

22 Claims. (Cl. 250—83.6)

22. In a generator of neutrons, a vacuum-tight chamber, a target member within the chamber, means for directing a beam of particle radiations against the target member, and a coating source of a material emitting neutrons upon bombard-

ment by the first said particle radiations mounted adjacent to the target member within the cham-



ber, whereby the coating of the target member may be renewed without opening the chamber.

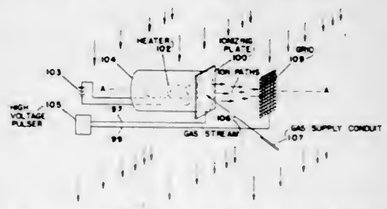
2,576,601

METHOD OF ACCELERATING IONS

Earl E. Hays, Upton, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application October 6, 1949, Serial No. 119,968

5 Claims. (Cl. 250—41.9)



1. A method of accelerating ions which comprises generating said ions in a magnetic field and subjecting said ions to the accelerating effect of an electric field for a fraction of the time necessary to remove them from said electric field.

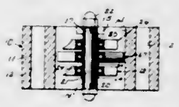
2,576,602

GAS MIXING DEVICE

Louis M. Herzfeld, Beverly Hills, Calif.

Application June 8, 1948, Serial No. 31,710

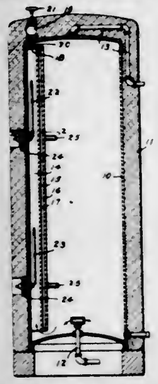
1 Claim. (Cl. 48—180)



A gas and air mixing device for connection between the output side of a carburetor and the intake manifold of an internal combustion engine, said device comprising a body formed with a substantially cylindrical bore formed therethrough and through which the gas and air mixture is drawn by said intake manifold from the output side of the carburetor, a plurality of axially aligned fans, bearing means on said body supporting said fans within said bore for rotation therein by the passage of said mixture through said bore, each fan having a plurality of equally spaced blades each having a plane vertically disposed leading edge and a concave angularly disposed working face, said plane leading edges acting forcibly upon said mixture as the fans are rotated in a manner to increase the atomized condition of said mixture, vertically aligned bearing means in said body, said bearing means sup-

porting said fans within said bore for rotation therein by the passage of said mixture therethrough, said bearing means comprising a spindle supported axially in said bore, anti-friction bearings comprising inner races mounted on said spindle and cooperating outer races on said fans, said races being spaced to provide axially aligned spaces between said races, said spaces being open at the top and bottom for the passage of lubricating oil therethrough, rollers operatively connecting said races, and a lubricating oil conduit terminating at one end above and in vertical alignment with the space between said races of the uppermost bearing.

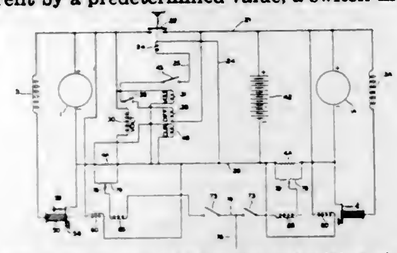
2,576,603
HOT-WATER TANK
Judson T. Hines and Jack R. Baldwin, Seattle, Wash.
Application June 17, 1946, Serial No. 677,136
9 Claims. (Cl. 219—38)



3. Water heating means comprising an upright cylindrical tank; a conduit member of semicircular cross section having two spaced apart walls providing a dead air heat insulating space therebetween, said conduit being positioned within said tank with its concave side facing the side wall of said tank and said conduit extending lengthwise within said tank and having its edge portions secured to the side walls of said tank from end to end of the conduit to thereby form an upright water passageway of relatively small cross sectional area between said conduit member and the wall of the tank extending substantially from end to end of the tank, said passageway having an inlet opening at the bottom end of said conduit; means forming an outlet opening of restricted area at the upper end of said conduit; and an electric heating element protruding through the side of said tank and extending longitudinally in said passageway to heat water therein.

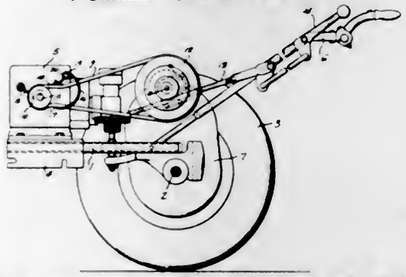
2,576,604
CONTROL SYSTEM AND DEVICE FOR DYNAMOELECTRIC MACHINES
William R. Holmes, New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original application October 10, 1945, Serial No. 621,515. Divided and this application April 12, 1950, Serial No. 155,437
3 Claims. (Cl. 171—118)

1. A device for controlling the connection of a generator to a load circuit, comprising, in combination, a control member, operating means for said control member including a first electromagnetic winding responsive to generator voltage and a second electromagnetic winding responsive to the difference between the generator and load current conditions, said second winding arranged so as to assist said first winding in actuating said control member to a generator connecting position upon said generator current exceeding said load current by a predetermined value, a switch mem-



ber for opening and closing the energizing circuit of said second winding, an electromagnetic winding responsive to generator voltage for actuating said switch member in a circuit closing direction at a generator voltage in excess of a predetermined value and opening said circuit at a generator voltage less than a predetermined value, said control member effectively shunting said second winding upon actuation to a closed position.

2,576,605
V-BELT CLUTCH FOR POWER TRANSMISSION
Arleigh G. Hupp, South Milwaukee, Wis., assignor to The Midland Co., South Milwaukee, Wis., a corporation of Wisconsin
Application July 6, 1948, Serial No. 37,281
7 Claims. (Cl. 74—242.11)

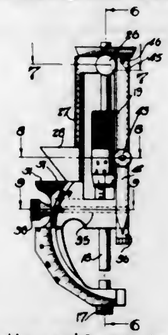


1. In combination with a V-belt disposed to clutch a drive sheave for power transmission and wherein the belt is loose on the sheave when declutched therefrom, a pair of guides for the belt to control the clutching action of the belt when the belt is tightened upon the sheave, each guide being disposed to engage the outer surface of a flight of the belt adjacent the sheave, and a single support for said guides disposed to provide freedom of floating action therefor under the influence of said belt and to maintain said guides in spaced relation correlated to the spacing of the belt flights in final clutch tightened position to effect a tensioning of the belt.

2,576,606
COMBINATION MICROMETER
Alexander Kausti, Los Angeles, Calif.
Application August 4, 1948, Serial No. 42,359
1 Claim. (Cl. 33—75)

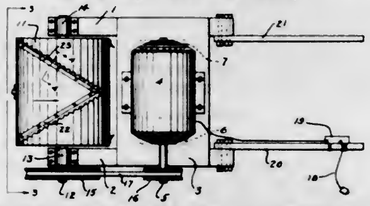
A measuring instrument comprising a body provided with a jaw portion, said jaw portion

being provided with an arcuate scale thereon, there being an upwardly extending portion on said body, a plate slidably connected to said body and provided with a slot, means for maintaining said plate immobile in its adjusted position, an arm arranged contiguous to said plate, a post



pivotally connecting said arm to said plate, one end of said arm provided with a pointed end, and the other end of said arm being provided with a slot, a pin projecting from said body for engagement with the slot in said plate, the pointed end of said arm adapted to coact with the scale on said jaw portion.

2,576,607
POWER-OPERATED ROOF PLANER
Raynard A. Knudson and John Henry Stoker, Rapid City, S. Dak.
Application June 26, 1950, Serial No. 170,384
2 Claims. (Cl. 144—114)



1. A planer head assembly comprising a rotative cylinder and a plurality of groups of blades mounted upon the periphery thereof, each group comprising a pair of said blades, and said blades being, as a whole, of elongated arcuate formation to fit the periphery of the cylinder, the blades of each pair extending from the center of the cylinder, outwardly, in opposite directions to the opposite sides of the cylinder, whereby said pairs of blades complementally present V-shaped planing elements, there being enough of said V-shaped pairs to extend entirely around the cylinder, each blade comprising a base portion, means for securing said base portion to the cylinder and an upstanding forwardly inclined portion, said forwardly inclined portion being serrated to provide row of teeth along the outer edge of the blade, said teeth having cutting edges which lie in substantial parallelism with the face of the cylinder.

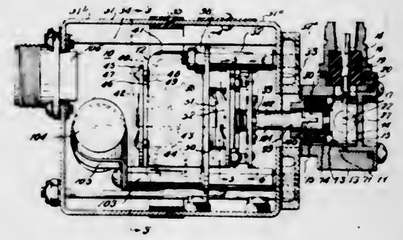
2,576,608
FLIGHT INFORMATION DEVICE
Cornelius M. Kramer, New Orleans, La.
Application February 28, 1949, Serial No. 78,793
1 Claim. (Cl. 235—61)

An airway information device comprising a plurality of juxtaposed disks including a pair of inner disks and a pair of outer disks, said inner disks contacting each other, indicia bearing zones provided on the outer faces of said inner disks, said outer disks each having a radial slot for registry with a selected zone of said inner disks, means pivotally connecting all of said disks, and a pair of transparent wear plates interposed between each of said inner and outer disks and



joined by said means, said inner disks and said wear plates having equal diameters, and said outer disks having diameters less than the diameters of the wear plates and the inner disks, said inner disks having indicia thereon positioned between the circumferential edges of said inner disks and the circumferential edges of said outer disks and visible through said wear plates.

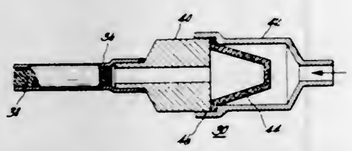
2,576,609
ELECTRIC SWITCH OPERATING MECHANISM
Anthony J. Kreiner, Wickliffe, Ohio, assignor to Designers For Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 31, 1949, Serial No. 136,377
1 Claim. (Cl. 200—153)



In a coaxial switch mechanism, a housing having a substantially cylindrical chamber therein, stationary contacts supported by said housing and located in arcuately spaced relation adjacent the periphery of said chamber, a substantially cylindrical switch rotor disposed in said chamber and being rotatable therein, contact means carried by said rotor for selective engagement with said stationary contacts and required to be accurately aligned with respect to the stationary contact or contacts engaged thereby, said housing being closed on one side of said rotor and on the opposite side having a main bore communicating with said chamber, said rotor being of a size and shape to substantially fill said chamber and having a shaft portion extending into but not through said main bore, an electromagnetic power device of the type having an intermittently driven power output shaft, connecting means substantially rigidly connecting said power device with said housing in a position for locating an end of said output shaft substantially in coaxial alignment

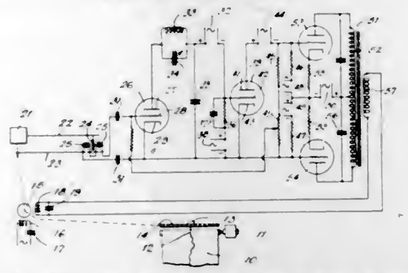
with the end of said shaft portion, the adjacent shaft ends of said output shaft and said shaft portion being provided with tongue and slot elements, means forming a flexible drive connection between said power device and said rotor for actuation of the latter to and from an engaged switch position comprising a coupling member confined in said main bore and having slot and tongue elements engaging the tongue and slot elements of said shaft ends, and sets of cooperating detent elements carried by said rotor and housing and effective as a positioning means for said rotor for locating said contact means in said required accurate alignment with respect to the stationary contact or contacts engaged thereby, one set of said detent elements comprising a group of concavely convergent sockets formed in said rotor in arcuately spaced surrounding relation to said shaft portion and the other set of said detent elements comprising a group of auxiliary bores formed in said housing parallel with and in arcuately spaced surrounding relation to said main bore and spring-actuated convex plungers projecting from said auxiliary bores and engageable in said sockets.

2,576,610
RESTRICTER
Theodore W. Kunzog, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 10, 1944, Serial No. 530,435
1 Claim. (Cl. 138—41)



A device for use in connection with refrigeration systems and adapted to be included in the high pressure refrigerant line thereof comprising, in combination, an elongated cupreous metal tube having a constant relatively small cross section through an elongated portion of its extent and having a larger cross section adjacent one end thereof, said elongated portion of said tube comprising a restricter consisting of a sintered porous bronze mass made from sintered non-compacted metal powder and integrally metallurgically bonded throughout its entire contacting extent to the inner walls of said tube, said mass providing a multiplicity of longitudinally extending tortuous passages of interconnecting extent and of capillary size through said tube for causing a predetermined and desired pressure drop and resulting rapid expansion of refrigerant which has passed therethrough, a large diameter plate joined to said tube at the large cross section portion thereof and including a thread at its outer periphery, a cup member adapted to engage said threaded portion, said cup member having complementary threads thereon, and a porous bronze filter element made from sintered non-compacted metal powder of relatively thin cross section and of relatively large radial extent clamped between said cup member and said plate at the threaded portions thereof, said filter element being positioned adjacent the high pressure side of the restricter for removing extraneous particles from the refrigerant prior to their passage through the restricter.

2,576,611
APPARATUS FOR MEASURING PHYSICAL CONDITIONS
Karl A. Lang, Glenview, and John F. Cross, Franklin Park, Ill., assignors to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1947, Serial No. 786,678
7 Claims. (Cl. 318—31)



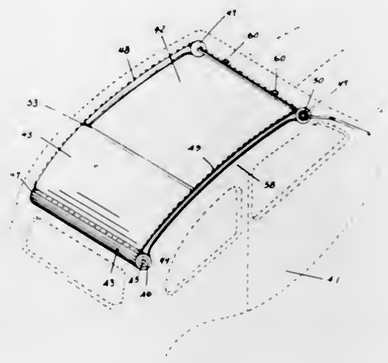
1. A measuring apparatus comprising a movable pointer, means responsive to a condition to be measured to move the pointer, a lever movable adjacent the pointer, a reversible motor connected to the lever to move it, an oscillator circuit, elements carried by the pointer and the lever and connected to the oscillator circuit to vary the tuning of the oscillator in accordance with changes in the relative positions of the pointer and lever, a transformer having a pair of primary windings and a secondary winding, the secondary winding being connected to the motor to control the direction of the motor in accordance with the phase of the current supplied thereto, the primary windings being so wound that the phase of the secondary current will be reversed when the different primary windings are energized, switch means to control the primary windings, and means responsive to the oscillator output to control the switch means.

2,576,612
CLOTHES HANGER
Waino K. Latvala, New York, N. Y.
Application January 31, 1947, Serial No. 725,550
3 Claims. (Cl. 223—88)



3. As a new article of manufacture, a clothes hanger fabricated solely of a single continuous piece of material, and comprising a bow shaped portion adapted to support a vest and coat and having one end portion inturned, a plurality of horizontal extending portions adapted to support trousers thereon arranged in the same plane as said bow shaped portion and having one end secured to the other end of said bow portion, the other end portion of said horizontal portions being spaced from the inturned end portion of said bow portion and bent upon itself so as to terminate in a second horizontal portion of a length less than the first named horizontal portions and spaced from the latter, the second horizontal portion lying in the same plane as said first named horizontal portions.

2,576,613
METAL COVER
Basil Lermont, New York, N. Y., assignor to Sutton Patents, Inc., New York, N. Y., a corporation of New York
Application November 15, 1945, Serial No. 628,715
8 Claims. (Cl. 160—268)



4. A roll type cover member comprising a coiled sheet metal spring, means to rotatably support said coiled spring for winding and unwinding movement substantially about the axis of said spring, guide rails extending outwardly from adjacent to the ends of said spring, and means connected to the outer end of said spring for subjecting said spring to tension along a line substantially parallel to said guide means to unwind and move said spring along said guide means, said spring returning to wound condition when relieved of said tension.

2,576,614
CONTROL FOR PAPERMAKING MACHINES
Emmons F. Lewellen and Darcy E. Lewellen, Columbus, Ind.
Application May 19, 1948, Serial No. 27,938
10 Claims. (Cl. 92—46)



6. A paper making machine comprising a head box having an outlet, a gate controlling the effective area of said outlet, variable speed conveyor means positioned to receive stock from said box by gravity flow and to convey it by draining and forming into a paper sheet, an electric motor for moving said gate in opposite directions, a continuously operating cycle control unit comprising a pair of normally spaced contacts in the circuit of said motor, means for urging said contacts into engagement for a predetermined duration at spaced intervals including a rotary cam, a variable speed drive connecting the shaft and cam, a shaft for driving said cam and means including a movable member for adjusting said variable speed drive for varying the speed of said cam in accordance with variations in the speed of operation of said conveyor means.

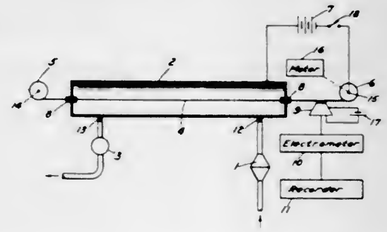
652 O. G.—73

2,576,615
DRAFTING MACHINE
Charles Henry Little, Cleveland Heights, and Charles Hubbard Little, Cleveland, Ohio; Nan Hubbard Little, executrix of said Charles Henry Little, deceased, assignors, by direct and mesne assignments, to Universal Drafting Machine Corporation, Cleveland, Ohio, a corporation of Ohio
Original application September 22, 1944, Serial No. 555,267. Divided and this application November 28, 1945, Serial No. 631,334
12 Claims. (Cl. 33—79)



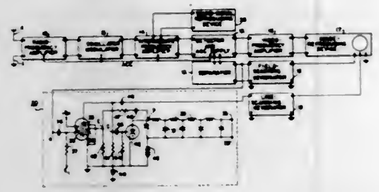
1. In a drafting machine or the like, a pair of band wheels, a band encircling said wheels and comprising a strip or ribbon having its ends connected together between said wheels, a strut pivotally associated with said wheels for maintaining the same in spaced relation with the band under tension and having two aligned tubular side members enclosing portions of said band between said wheels including portions adjacent said connected ends, and a sleeve-like member surrounding a portion of said band and movable along one of said tubular side members and movable to and from the other of said side members to afford access to said ends of said band.

2,576,616
MONITOR FOR FISSION GASES
Ralph Livingston and Henri A. Levy, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application September 20, 1949, Serial No. 116,720
9 Claims. (Cl. 250—83.6)



1. Apparatus for determining the relative abundance of the gaseous fission products in an airstream comprising a chamber fitted with entrance and exhaust openings, an electrode disposed in spaced relation to the walls of said chamber, means for moving said electrode through said chamber, radiation detecting and indicating means disposed adjacent said electrode external to said chamber, means for maintaining said electrode substantially negative with respect to said chamber, filter means, and means for impelling at least a portion of said airstream successively through said filter and said chamber.

2,576,617
PULSE-DISCRIMINATING SYSTEM
Arthur V. Loughren, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application September 11, 1946, Serial No. 696,156
9 Claims. (Cl. 250—27)



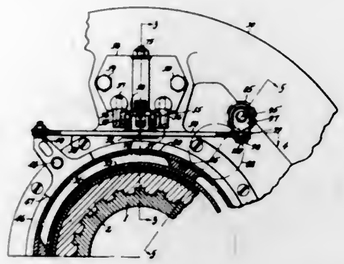
9. A pulse-discriminating system for translating desired signal pulses recurring at a given period and for distinguishing said pulses from similar but undesired pulses of the same period which may occur midway between said desired pulses comprising: a time-delay network responsive to an applied pulse for producing a delayed image thereof reversed in polarity and delayed by one-half of said period; a wave-signal repeater; means for coupling said repeater to said network for supplying thereto pulses received by said repeater with a given polarity, for constituting with said repeater a regenerative stage for at least partially compensating signal attenuation in said network, for decreasing the gain of said repeater in the presence of reversed-polarity images of such pulses produced in said network and for increasing the gain of said repeater in the presence of pulses produced in said delay means and delayed by said period; means for applying said desired and said undesired pulses to said repeater with said given polarity; and means for deriving an output signal from said system in which said desired pulses appear with substantially greater amplitude than said undesired pulses.

2,576,618
HANDLE TYPE HAIR TRIMMER
Warren M. Mansfield, Glendale, Calif., assignor, by mesne assignments, to Cutter Corporation, a corporation of Delaware
Application March 12, 1948, Serial No. 14,612
6 Claims. (Cl. 30—31)



6. Cutlery comprising a body having opposed sets of teeth, a cover plate having a handle integral therewith, means removably supporting said body on said cover plate with said cover plate spaced from the side of said body between said sets of teeth to form a recess, a blade holder slidable in said recess, said holder having lugs for removably supporting a double edge razor blade between said cover plate and said side of said body, and rack and pinion means at the front of said holder for operating said holder.

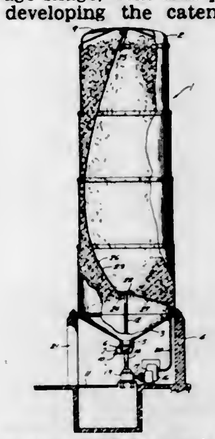
2,576,619
PROPELLER PITCH CONTROL
Thomas B. Martin, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 17, 1946, Serial No. 641,758
8 Claims. (Cl. 170—160.21)



1. Pitch-setting apparatus for a variable pitch propeller comprising a propeller hub, blades rotatably supported thereby for pitch-adjustment, an hydraulic servo-motor rotatable with the hub for angularly adjusting the blades said servo-motor having a cylinder, and pressure-fluid supply and control apparatus rotatable with the hub, said apparatus comprising a fluid-containing reservoir, a pump for forcing fluid from the reservoir to the servo-motor, a distributing valve unit comprising a body providing an inlet port connected with the pump and outlet ports connected respectively with the ends of said cylinder and a valve for controlling distribution from the inlet port to the outlet ports, a valve-positioning lever, supports respectively connected pivotally with the ends of said lever, a mechanism operatively connecting an intermediate portion of said lever with the valve, one of said supports being movable in one direction relative to the other support to effect movement of the valve from outlet-port-closing position in order to obtain a required blade-angle adjustment, the other of said supports being movable in the opposite direction relative to the first support in order to return the valve to outlet-port-closing position when the required adjustment of blade angle has been made, means responsive to the angular movement of the blades for so moving the second-mentioned support, and means non-rotatable with the hub for actuating the first-mentioned support.

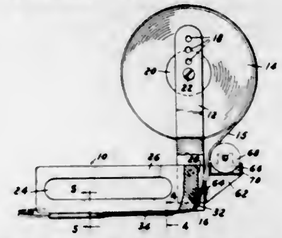
2,576,620
SILO UNLOADING DEVICE WITH MEANS TO DISLODGE SILAGE FOR READY DISCHARGE
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application October 2, 1946, Serial No. 700,697
6 Claims. (Cl. 222—228)

1. A device for unloading silage from a silo and the like, which comprises a flexible member extending centrally from substantially the bottom to the top of the silo, pivotal means anchoring said member to the bottom and the upper portion of the silo with the bottom pivotal means offset laterally from the pivotal means anchoring the member to the upper portion of the silo, and means to rotate said flexible member to force the same into a catenary movement within the silo to dislodge silage, with said pivotal offset of the chain developing the catenary movement



thereof irrespective of the packed condition of the silage.

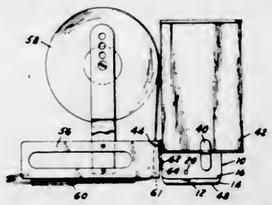
2,576,621
BINDING TAPE APPLICATOR
Charles F. McBride and Homer G. Kreps, Sturgis, Mich.
Application May 12, 1949, Serial No. 92,854
9 Claims. (Cl. 216—20)



1. A device for manually applying a binding tape to a carpet backing around the edge of the carpet comprising a base having a substantially flat bottom face, means on the base for supporting a roll of binding tape above the base, said base at its front end having a guide member extending downwardly and in an arcuate path to said bottom face and a substantially flat plate member on said bottom face extending longitudinally of said base and having its lower face spaced below the plane of the bottom face of said base, said plate being mounted on said base with its front edge spaced rearwardly from said guide means and having a depending flange along a longitudinal edge thereof, said flange forming an obtuse angle with the plate at the forward end thereof and an acute angle at the rear end thereof and having a depth corresponding to the thickness of said carpet backing, the portion of said flange between said ends being straight and of substantial length and depending perpendicularly from said base.

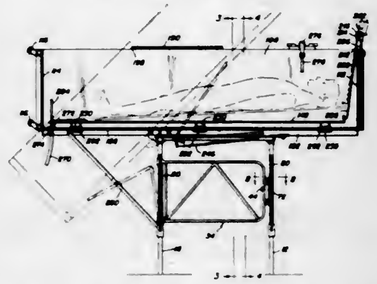
2,576,622
COMBINATION LATEX AND TAPE APPLICATOR FOR RUGS
Charles F. McBride and Homer G. Kreps, Sturgis, Mich.
Application October 26, 1949, Serial No. 123,691
12 Claims. (Cl. 154—1.6)

1. A device for applying a liquid adhesive to the back and edge surfaces of a rug comprising a bracket having a pair of spaced apart depending legs, a roller mounted between said legs on an axis extending transversely across said legs, one of said legs being longer than the other, said longer leg projecting downwardly below the peripheral surface of said roller at the lower side of the roller and having an outwardly extending depression on the inner face thereof which forms a trough adjacent one end of the roller which extends from a point above to a point be-



low the peripheral surface of said roller at the lower side of the roller, and means on said bracket for directing liquid adhesive to the peripheral surface of said roller, whereby when said bracket is pushed over the back face of a rug with the lower edge of said longer leg pressed against the vertical side edge of the rug, a portion of the adhesive applied to the back face of said rug by said roller will flow through said trough and into said vertical side edge of the rug.

2,576,623
BATHTUB HINGEDLY MOUNTED ON A COLLAPSIBLE STAND
Bernard E. McLaughlin, Tucson, Ariz.
Application September 21, 1949, Serial No. 116,981
10 Claims. (Cl. 4—176)

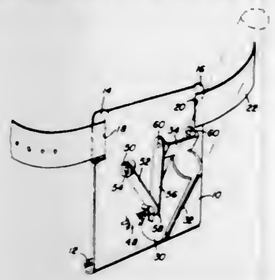


1. A bathing apparatus comprising a portable and collapsible tub stand, a tub hingedly secured to said stand, and one of the side walls of said tub being hinged so that a patient may be moved into the tub through the opening formed in the tub by opening the side of the tub.

2,576,624
ROD HOLDER
John Z. Miller, Hagerstown, Md., assignor to Abraham Jacobson, Hagerstown, Md.
Application September 12, 1947, Serial No. 773,550
1 Claim. (Cl. 248—42)

A rod holder comprising a base plate, means for attaching said plate to an anchor, an elongated split sleeve having an eye member formed integrally at the lower end thereof, bearing members stamped in said plate and spaced from the bottom edge thereof, a pin extending through said eye member and said bearing members pivotally securing the lower end of said sleeve member to

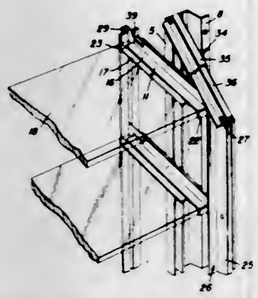
said plate, a channel member having legs and a web portion and formed integrally at the upper end of said sleeve and extending transversely thereof, pairs of pitmans connected to each other and to said base plate and the legs of said channel member respectively, said pitmans including joined end portions, and a set screw connecting the joined end portions of said pitmans to retain the sleeve in adjusted angular position relative to said plate.



2,576,625
PRODUCTION OF POLYCARBOXYLIC ACID PRODUCTS
Robert J. Miller, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 8, 1947, Serial No. 778,739
1 Claim. (Cl. 260—342)

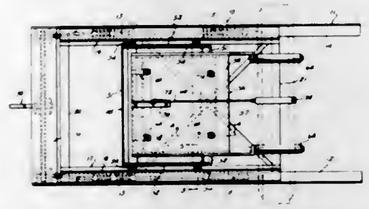
A process for oxidizing durene to pyromellitic anhydride, which comprises forming a gaseous mixture of air and durene, the weight of air in said mixture being from 30 to 200 times the weight of durene, contacting the gaseous mixture with a vanadium oxide catalyst disposed on an inert solid support at a temperature in the range 850 to 1050° F. and at a rate such that 0.05 to 3.0 moles of durene are contacted with 50 to 100 cc. of catalyst in one hour.

2,576,626
WINDOW
William C. Miller, Plant City, Fla.
Application May 20, 1949, Serial No. 94,275
2 Claims. (Cl. 20—62)



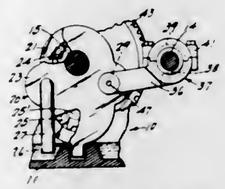
1. A window including louvers and comprising a pair of channeled jambs secured in the sides of a window opening, brackets pivoted to the sides of the jambs and including double flanges between which the ends of the louvers are positioned, oppositely extending tongues on opposite ends of the flanges positioned against the side edges of the louvers to hold the louvers in the brackets, inner and outer channeled vertical connecting bars in which the ends of the brackets are pivoted, the channels of the outer connecting bars being opposed to the channels of the jambs for interfitting sealing engagement with each other when the louvers are closed, and a channeled sealing member pivoted at its ends to the upper ends of the jambs and to an adjacent outer connecting bar and movable into interfitting engagement with the uppermost bracket and with the outer connecting bar when the louvers are closed.

2,576,627
TIRE AND WHEEL JACK
David F. Miner, Seaford, Del.
Application August 26, 1949, Serial No. 112,541
4 Claims. (Cl. 214—1)



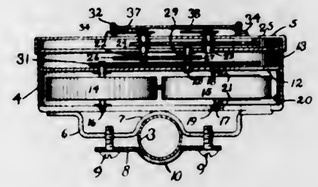
1. In a lifting device, a base frame having longitudinal side members, an upper frame overlying said base frame and having side members, vertically extensible and contractible jack means positioned between the side members of the base and upper frames for raising and lowering said upper frame relative to said base frame, a carriage rollably mounted on and positioned between the side members of said upper frame, a platform overlying said carriage, vertical axis crank means mounting said platform on said carriage and enabling said platform to be laterally and longitudinally displaced relative to said carriage, and work engaging means on said platform.

2,576,628
LOAD BRAKE FOR HOISTS
Clyde H. Moffett, Albany, Calif., assignor to Moffett Manufacturing Company, Albany, Calif.
Application April 18, 1947, Serial No. 742,326
3 Claims. (Cl. 188—92)



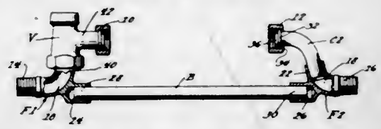
1. A fluid brake comprising a gear pump having covers and a discharge chamber; a bearing bore formed through the covers and opening into said discharge chamber; a valve comprising a cylindrical member axially slidable in said bearing bore and having a length greater than the distance through said covers and having an axial bore formed in each end and terminating adjacent the longitudinal center in closely spaced relation providing a closure therebetween with one bore plugged at the outer end and the other bore open at its outer end, and with said one bore having a communicating diametric passage closed by the wall of the bearing bore when the valve is in one axially movable position and open for discharge through said one bore when the valve is in another position, and having a second communicating diametric passage continuously open to the interior of the pump; and the other end having a communicating diametric passage closed by the wall of the bore when the valve is in one position and open to the interior of the pump when in the other position; whereby when the valve is in one position the discharge chamber is sealed against intake or discharge of fluid, and when in the other position, the chamber is open for intake or discharge of fluid.

2,576,629
LINE MEASURING METER
William R. Morby, Millwood, Wash.
Application September 27, 1946, Serial No. 699,933
1 Claim. (Cl. 33—134)



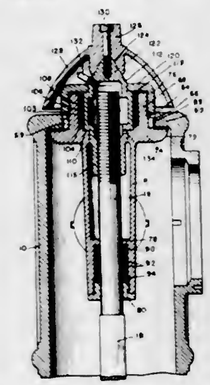
A line measuring meter comprising a housing having an annular bottom and a wall about the periphery thereof, aligned tubes extending transversely in said housing diametrically thereof and having outer ends rigidly mounted through opposite portions of the wall and inner ends spaced from each other and constituting line guides, upper and lower strips in said housing extending diametrically thereof and transversely of said tubes above space between inner ends of the tubes in vertically spaced parallel relation to each other and having ears at their ends rigidly secured to portions of the wall and constituting bridges rollers in said housing between the lower bridge and the bottom of the housing and located at opposite sides of the tubes and having portions entering space between inner ends of the tubes and disposed in close proximity to each other for gripping a line between them, said rollers having vertical shafts rotatably engaged with the bottom of the housing and the lower bridge and having their upper ends projecting into space between the bridges, the shaft of one roller being slidable towards and away from the shaft of the other roller as well as being rotatably mounted and urged towards the second roller, a small gear carried by the upper end of the shaft of one roller, a vertical counter shaft rotatably mounted between said bridges and carrying a large gear meshing with the small gear, said counter shaft also carrying a small gear above the large gear, a cover for said housing, shafts rotatably mounted through the cover and the upper bridge and being connected by gears between the cover and the upper bridge, one of the last mentioned shafts extending into the space between the bridges and carrying a large gear meshing with the small gear of the countershaft, and pointers carried by upper end of the last mentioned shafts above the cover and cooperating with dials upon the cover for indicating the length of line moving longitudinally through the tubes and between the rollers in turning engagement with the rollers.

2,576,630
ADJUSTABLE METER SUPPORT
Frank H. Mueller and Walter J. Bowan, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application January 19, 1948, Serial No. 3,128
3 Claims. (Cl. 285—3)



1. Apparatus for setting meters and the like which have opposite aligned inlet and outlet nipples, comprising separately fabricated supply and service fittings each having outer attaching means adapted to be oppositely and horizontally directly to secure to the aligned ends of supply and service mains, each of said fittings carrying a horizontally directed inner attaching means displaced above its outer attaching means, each of said fittings having inwardly presented support sockets adapted to be aligned with one another, a separately fabricated supporting pipe section having opposite ends bonded in said support sockets and formed for adjustment therein prior to bonding to properly space said fittings in a horizontal direction with respect to one another, at least one of said fittings having a cylindrical socket whose axis is directed upwardly and a flexible conduit having an inward bend therein bonded at its outer end in said last named socket and carrying at its free end the inner attaching means of said fitting, said conduit having cooperating means at its outer end for adjustment in said last-named socket prior to bonding to adjust its attaching means vertically for alignment with the inner attaching means on the opposite fitting, said supporting pipe section being spaced vertically from said inner attaching means a sufficient distance to permit installation of a meter above said pipe section with its nipples secured between said inner attaching means.

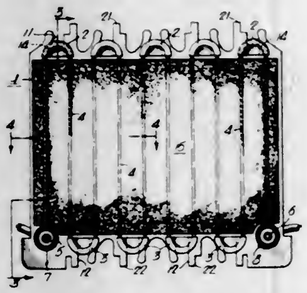
2,576,631
FIRE HYDRANT VALVE OPERATOR
Robert H. Mueller and Earl E. Cline, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application December 27, 1946, Serial No. 718,752
4 Claims. (Cl. 137—13)



1. In a hydrant having a body and a main valve: a valve stem extending outwardly from

said valve and having operating threads adjacent its outer end; a hollow nut having an interiorly threaded inner end engaging the threaded portion of said stem, having a closed outer end defining an interior lubricant chamber about the outer end of said stem, and having an exterior annular flange; a bearing for said nut to turn therein and adapted to be sealingly secured to the hydrant body, said bearing including inner and outer thrust bearing surfaces engaged with the corresponding inner and outer surfaces of said flange on said nut; a packing assembly disposed outwardly of said inner thrust bearing surface and forming a seal between said nut and bearing; and said nut having a port through its wall adjacent a lower portion of said chamber and opening to a contacting surface of said bearing inwardly of said packing assembly.

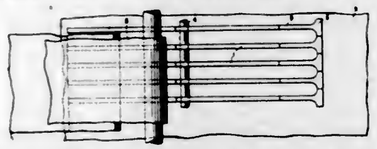
2,576,632
ELECTRICAL HEATING UNIT
Joseph W. Myers, Philadelphia, Pa., assignor to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 13, 1948, Serial No. 49,080
8 Claims. (Cl. 219—19)



8. In a bread toaster, means for supporting a bread slice in vertical position to be toasted, a vertically-disposed substantially rectangular open frame in close proximity to a surface of the supported bread slice, wire-holding members at the top and bottom of said frame projecting slightly from the side thereof toward the bread surface, electrical heating means comprising resistance wire supported by said members and extending in vertical runs between the top and bottom of said frame for radiant heating of the bread surface, and means for effecting very rapid toasting of the bread surface and for minimizing the time difference between an initial toasting operation and subsequent toasting operations, said last means comprising a backing of fine wool-like lightweight mineral fiber material supported by said frame immediately adjacent to said wire with the fibers of said material substantially in engaging relation with said wire.

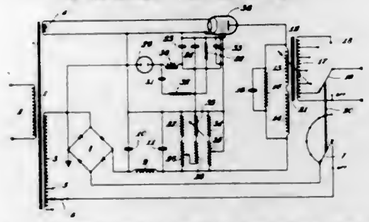
2,576,633
STRIPPING DEVICE FOR CONVEYERS
Joseph Francis Naylor, Newton-le-Willows, England, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England, a British company
Application May 10, 1948, Serial No. 26,177
In Great Britain December 3, 1947
2 Claims. (Cl. 198—188)

2. A stripping device for removing laminar articles from a moving surface comprising a plurality of spaced spring fingers, expanded sharpened ends to said spring fingers occupying substantially a width similar to the spacing of the fingers and adapted to engage the moving surface, a cross bar over which said spring fingers are cranked and fixedly connected thereto, and



a transverse holder clamping the ends of the spring fingers remote from said expanded sharpened ends and urging the blades into contact with said moving surface.

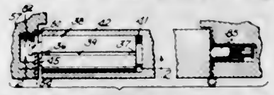
2,576,634
ELECTROTHERAPEUTIC IMPULSE GENERATOR
Anthony Nemet and Matei Berindei, London, England, assignors to The Hartford National Bank and Trust Company, Hartford Conn., as trustee
Application January 25, 1946, Serial No. 643,419
In Great Britain December 1, 1944
3 Claims. (Cl. 250—36)



1. An electro-therapeutic impulse generator comprising a source of direct-current, an electron discharge tube having a control electrode, a transformer having a helical primary winding, a core movably arranged entirely within said primary winding and having a length less than the length of said primary winding and a secondary winding inductively coupled to only a portion of said primary winding, said primary winding being connected in series with said electron discharge tube to said source, said secondary winding being connected to a load, a capacitance in parallel with said primary winding to form a resonant circuit therewith, and means for periodically applying a blocking potential to said control electrode, said means including a resistance, a charging condenser connected through said resistance to said source, the value of said resistance determining the charging rate of said condenser, a choke, and a glow discharge tube connected through said choke across said condenser, said condenser discharging through said glow discharge tube upon attaining the breakdown potential thereof to provide a periodic blocking potential for said electron discharge tube

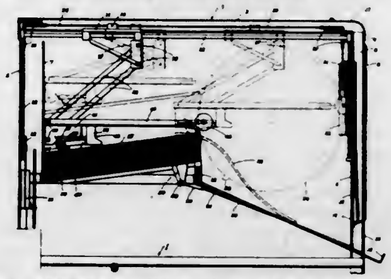
2,576,635
SPRING-LOADED PRESSURE-RELEASABLE DOOR LATCH MEANS
Ralph Kenneth Nottingham, Portland, Oreg., assignor to Phillips Tutch Latch Co., New York, N. Y., a corporation of Delaware
Application September 27, 1948, Serial No. 51,411
6 Claims. (Cl. 292—99)

1. A latching device for cooperation with a jamb strike comprising a housing, a spring loaded bolt slidably guided for longitudinal movement in said housing, a floating pawl adjacent said spring loading bolt in said housing, a latch bolt adjacent said floating pawl and comprising a laterally movable hooked end adapted to engage said jamb strike, said spring loading bolt and said latch bolt both having cam faces normally projecting from said housing and facing in a direction such as to cause retraction of both bolts into the housing when said jamb strike is engaged upon relative movement of said latch and jamb strike in one direction, a weak spring extending between said housing and said latch bolt and arranged to be placed under tension upon retraction of said latch bolt, said floating pawl comprising a hook and said housing comprising means to engage said hook normally to hold said floating pawl against longitudinal movement with said bolts, said hook facing in the same direction as the hooked end of said latch bolt and said weak spring being arranged



to apply a component of force to move said hook laterally into engagement with said housing, and a strong spring extending between said floating pawl and said spring loading bolt and arranged to be placed under tension when said spring loading bolt is retracted while said hook is engaged with said housing, said floating pawl having a lug opposite said hook and said latch bolt having a notch facing away from said hook and through which said lug extends, said lug engaging the side of said notch whereby slight relative movement of said latch and the stationary jamb strike in the opposite direction will cause lateral movement of the hooked end of said latch bolt and the floating pawl to disengage said hook from said housing, and said lug engaging the inner end of said notch whereby upon reoccurrence of relative movement of said latch and jamb strike in the first direction sufficiently to disengage said hooked end from said jamb strike, said latch bolt and said floating pawl will be retracted toward the rear of said housing by said strong spring.

2,576,636
NEWSPAPER DISPENSING MACHINE
John Edward Opgenorth, Alameda, Calif.
Application August 16, 1948, Serial No. 44,487
8 Claims. (Cl. 312—55)



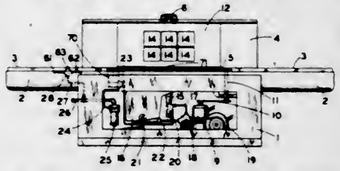
1. A newspaper dispensing machine comprising a housing having a delivery opening at the front, a chute in the housing leading to the opening, a newspaper stack platform in the housing to the rear of the chute, a carriage mounted to reciprocate longitudinally above the stack, vertically spaced parallel links pivotally connected to the carriage and extending longitudinally downward at an incline, a newspaper engaging device pivoted to the links at their lower ends, said device normally resting on the top newspaper of the stack in feeding relation thereto, and mechanism connected to the carriage to reciprocate the same from a normally retracted position.

2,576,637
VALVE FOR SHOCK ABSORBERS
William G. Patriquin, Cleveland, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application January 29, 1949, Serial No. 73,618
3 Claims. (Cl. 277—61)



1. In a valve structure, a fixed closure plate having a plurality of openings therethrough, a movable supporting member extending through one of said openings and projecting beyond the opposite faces of said closure plate and provided on one end with a head portion and on its opposite end with a spring abutment, a valve plate movably mounted on said supporting member for closing said one opening, a spring mounted on said supporting member and abutting said valve plate and said spring abutment and normally urging said valve plate against the closure plate to close said one opening, a second valve plate mounted on said supporting member on the opposite side of the closure plate with respect to the first mentioned valve plate and normally closing the other of said openings in the closure plate, said head portion of the supporting member overlying said second valve plate, and cooperating means on said head portion of said supporting member and said second valve plate forming fluid passageways communicating with said one opening.

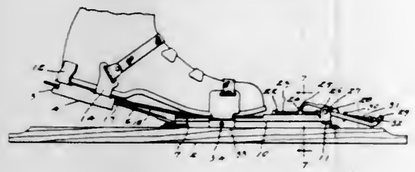
2,576,638
PAN GREASING MACHINE
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application June 28, 1950, Serial No. 170,885
5 Claims. (Cl. 91—45)



1. In a pan greasing machine a reciprocably mounted pan carriage, means for reciprocating

said carriage, an axially turnable shaft mounted along one edge of said carriage, means fixedly attached to said carriage and having encompassing longitudinally sliding contact with said shaft, means for axially turning said shaft and catch means between the shaft and the carriage whereby the carriage is tilted upwardly on the axis of the shaft when the latter is axially turned.

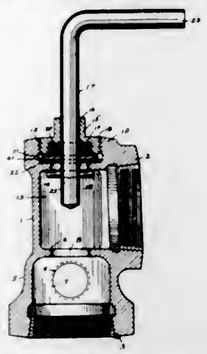
2,576,639
SKI HARNESS
Robert Purvis, Saranac Lake, N. Y.
Application January 30, 1948, Serial No. 5,402
5 Claims. (Cl. 280—11.35)



1. A ski harness comprising a support adapted to be attached to the upper surface of the intermediate portion of a ski, a heel guiding means pivotally connected to said support and extending rearwardly therefrom, a heel supporting member slidably mounted on the heel guiding means for sliding movement toward and away from said support, said heel supporting member having upstanding rear heel stops, heel clamping members slidably connected to the heel supporting member, cam means slidably connected to the heel clamping members and slidable in said heel supporting member in a direction at right angles to the direction of sliding movement of the clamping members relatively to the heel supporting member, a flexible member connected to said cam means and extending forwardly therefrom, a spring pressed toggle means pivotally connected to the support and to said flexible member for exerting a pull on the flexible member when the toggle means is swung in one direction to draw the heel clamping means toward one another and into clamping position and for displacing the heel supporting member toward said support to move the rear heel stops in the same direction, and toe clamping means mounted for lateral and angular adjustments on said support.

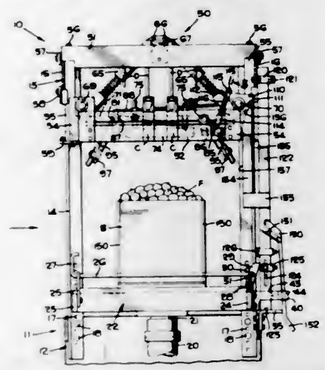
2,576,640
COMBINED CLEAN-OUT AND FLOW CONTROL DEVICE FOR FLUID LINES
Wellington L. Ramsey, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application August 29, 1947, Serial No. 771,313
1 Claim. (Cl. 4—255)

A flow control device comprising a cylindrical body having an outlet on one end thereof, a laterally extending inlet intermediate thereof, and a threaded recess in the end of said body opposite to said outlet; a comparatively thin plate wall having an orifice of predetermined size centrally thereof in said cylindrical body between said inlet and said outlet, said wall defining a chamber on the inlet and outlet sides thereof, an air vent extending laterally from said body immediately below said thin plate wall therein defining a thin plate orifice for the control of fluid passing through said fitting, a threaded apertured plug for engagement with the threaded recess in the end of said body and a reciprocating plunger extending through said apertured



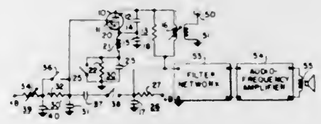
plug and adapted to extend through said orifice in said thin plate.

2,576,641
LIDDER WITH OVERHEAD SIDE FLUSHERS
John R. Richards, Riverside, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application February 3, 1950, Serial No. 142,327
3 Claims. (Cl. 1—10)



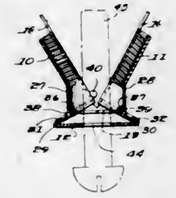
1. In a lid nailing machine, the combination of: a frame including a base structure and a superstructure; a nailing table mounted on said base structure for supporting an overfilled box to be lidded; a nailing unit mounted on said superstructure, said unit including a pair of chuck beams, each of which carries a bank of nail chucks, a pair of driver beams each of which carries a bank of drivers, the latter being slidable in said chucks, spring means for yieldably holding said chuck beams in downwardly spaced relation from said driver beams, and slide gib means guiding said chuck beams when the latter are shifted upwardly towards said driver beams by overcoming the resistance of said spring means; power means for causing relative vertical movement between said table and said nailing unit to apply said chuck beams to ends of a lid to press the latter onto the ends of said box, and then compress said spring means to drive nails through said lid ends and into said box ends; a pair of overpack flushers pivotally mounted on said chuck beams and slidable vertically relative thereto by engagement with upper edges of said box during the relative movement aforesaid; a cam rocker pivotally mounted on said chuck beams; means connecting said cam rocker to said gathering members; yieldable means for holding said gathering members in expanded relation; and a cam on said platform disposed to be brought into engagement with said cam rocker by said relative vertical movement to rock said rocker and swing said flushers inwardly over opposite upper edges of said box to gather overpacked product inwardly from over said edges, said cam presenting to said rocker following said actuation of said gathering members, a face which is parallel with the direction of said relative movement, whereby the position of said cam rocker remains substantially the same during the vertical sliding of said gathering members relative to said chuck beams and during the subsequent nail driving operation.

2,576,642
SELF-QUENCH SUPERREGENERATIVE ARRANGEMENT
Donald Richman, Flushing, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 22, 1948, Serial No. 28,596
10 Claims. (Cl. 250—20)



9. A self-quench superregenerative arrangement comprising: a self-quench superregenerative circuit, including a regenerator tube having an anode, a cathode, and a control electrode, for providing superregenerative amplification of a wave signal applied thereto, the oscillatory amplitude of said circuit extending to a saturation-level mode of operation during an interval of each quench cycle; a first time-constant network coupled between said anode and said cathode and including a resistor and an energy-storage device which has developed thereacross during said each quench cycle a voltage of variable magnitude providing the major portion of the quenching action for said superregenerative circuit; a second time-constant network, having a time constant shorter than that of said first network, coupled between said control electrode and said cathode and including a resistor and an energy-storage device having an energy-storage value so selected with relation to that of said first-mentioned device that said second network is effective to derive and to apply to said control electrode during said each quench cycle a voltage effective to provide a supplementary quenching action for said superregenerative circuit; and a third time-constant network, having a time constant longer than that of said first or said second networks, coupled between said control electrode and said cathode and responsive to the control-electrode current of said tube flowing during the saturation-level intervals of said superregenerative circuit for developing and applying to said control electrode a gain-control potential effective to stabilize the operating characteristics of said arrangement against operating conditions which tend to modify the average self-quench frequency of said arrangement.

2,576,643
SPLIT WING NUT
Frank Roerig, New London, Ohio
Application April 20, 1950, Serial No. 157,131
2 Claims. (Cl. 85—32)

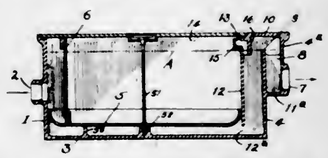


1. A split wing nut comprising two complementary internally threaded semi-cylindrical sections each having wings extended from the sides at one end and outwardly extended flanges on the other, a cup-shaped washer having arcuate inwardly extended flanges on the outer edge thereof in which the flanges of the semi-cylindrical sections are hingedly held, means for urging the ends of the semi-cylindrical sections positioned in the cup-shaped washer together with the outer ends thereof extended outwardly, and means temporarily securing the said outwardly extended ends of the semi-cylindrical sections together.

2,576,644
NONCORROSIVE CHOLINE CHLORIDE COMPOSITION
Fred W. Schmitz, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 13, 1950, Serial No. 173,683
13 Claims. (Cl. 260—567.6)

1. A non-corrosive choline chloride composition comprising aqueous choline chloride solution of a concentration of at least 50% choline chloride, an inhibitor selected from the group consisting of tetraalkali metal pyrophosphates, alkali metal phytates, alkali metal hexametaphosphates, and alkali metal tripolyphosphates, and a compound selected from the group consisting of tartaric acid, citric acid, alkali metal acid tartrates, and alkali metal acid citrates the pH of said composition being adjusted to between 7.0 and 8.5.

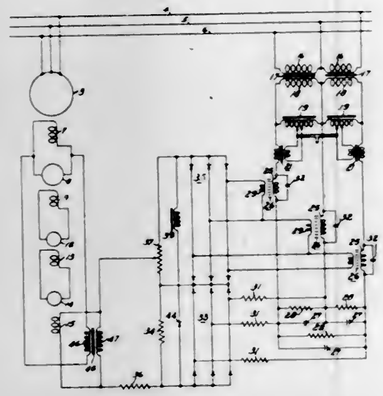
2,576,645
SEPARATOR
Robert H. Shenk, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application June 21, 1946, Serial No. 678,525
8 Claims. (Cl. 182—9)



1. A separator for matter of varying densities, comprising a container having an inlet and an outlet, a weir formed in the outlet end of said container extending above said inlet, and a spillway formed in the outlet end of said container

leading to said outlet, and a baffle depending from the top side of said container to form a passage for fluid over said weir to said outlet.

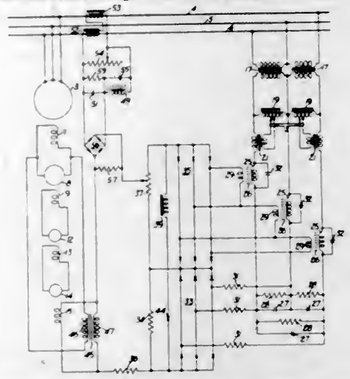
2,576,646
REGULATING SYSTEM UTILIZING A NON-LINEAR RESONANT NETWORK
Daniel J. Sikorra, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 9, 1949, Serial No. 114,751
11 Claims. (Cl. 322—32)



1. In a regulating system for maintaining an electric quantity substantially constant, the combination of a network comprising a transformer and a capacitor disposed to be energized by said electric quantity, said transformer having a saturable core, a primary winding, and a secondary winding, said primary winding being connected in series with said capacitor for nonlinear resonance to cause the voltage of said capacitor to vary abruptly at a critical value of said electric quantity, a rectifier connected across said capacitor, a rectifier connected across said secondary winding, and control means differentially responsive to the voltages of said rectifiers for controlling said electric quantity.

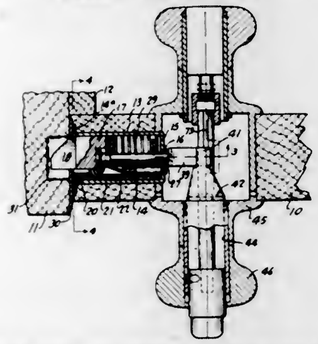
2,576,647
REGULATING SYSTEM UTILIZING A NON-LINEAR RESONANT CURRENT LIMITER
Daniel J. Sikorra, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 5, 1949, Serial No. 119,628
7 Claims. (Cl. 322—25)

1. In a regulating system for maintaining an electric quantity of an electrical system substantially constant, the combination of means responsive to variations in said electric quantity from a predetermined value for producing a reversible control voltage having a polarity dependent upon the direction of said variations, a nonlinear resonant circuit energized by a voltage which is a measure of the current in said electrical system and which is substantially independent of said electric quantity, said nonlinear circuit comprising a saturable reactor connected in series with a capacitor for producing a voltage across said capacitor which varies abruptly at a critical value of said current, means including rectifier means for producing a rectified voltage proportional to said capacitor voltage, and means responsive to said control voltage



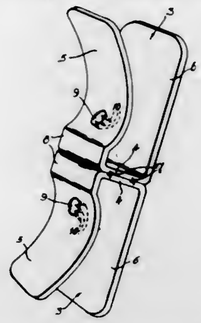
and said rectified voltage for controlling said electric quantity.

2,576,648
DOOR LATCH MECHANISM
David C. Smith, Toledo, Ohio, assignor of forty per cent to E. W. Sauers, forty per cent to A. E. Giesey, both of Cleveland, and twenty per cent to Leroy I. Oblinger, Toledo, Ohio
Application August 27, 1948, Serial No. 46,467
1 Claim. (Cl. 292—169)



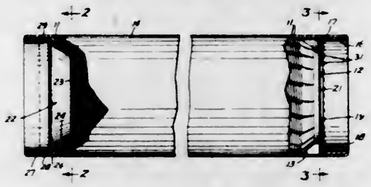
A door latch comprising a latch bolt assembly for mounting in a socket in the door, comprising a cup-shaped casing open at the forward end, a spring-tensioned latch bolt slidable in said casing and having a latching nose projectable from said casing, a retracting rod, the closed end of said casing being apertured to accommodate said rod, a cam element on the inner end of said rod, said bolt being socketed at the inner end to receive said cam element and to afford limited movement therein, means closing the end of said socket, a shoulder on said bolt adjacent said socket, a leaf spring element carried by said casing and having a shouldered portion engaging said shoulder on said bolt thereby positively to block retraction of said bolt, said cam element being arranged to engage the shoulder of said spring element and force same away from blocking position during movement of said cam in said socket, a slide in said casing in engagement with a portion of said bolt and movable relatively thereto, a tubular extension on said slide enclosing said spring element and engageable by said cam for retracting the same, and spring means for tensioning said tubular extension.

2,576,649
SKULL CLAMP
Milo W. Slind, Spokane, Wash.
Application March 12, 1949, Serial No. 81,061
3 Claims. (Cl. 27—21)



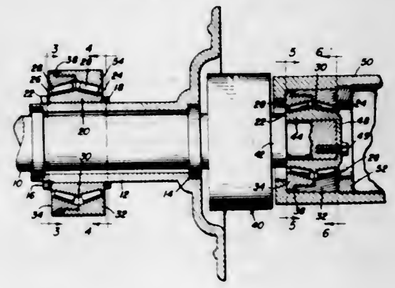
2. A skull-holding clamp comprising an upper jaw and a lower jaw, each jaw being formed from a strip of resilient metal bent to form a bridge and inner and outer legs extending therefrom, said jaws being disposed in alinement and having their bridge portions secured in face to face engagement with each other, each outer leg being straight throughout its length and the inner legs being curved longitudinally away from the outer legs and in spaced relation to their attached ends being provided with teeth directed towards the outer legs.

2,576,650
NESTED BOTTLE CAP PACKAGE
Rudolph Sonnenberg, Belvidere, Ill., assignor to Mid-West Bottle Cap Co., Belvidere, Ill., a corporation of Illinois
Application January 21, 1949, Serial No. 72,027
1 Claim. (Cl. 206—65)



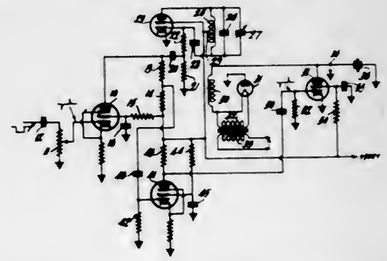
A package of nested bottle caps having flat tops and frusto-conical sides, said package comprising a cylindrical sleeve-shaped tube enclosing said nested caps, said tube having its end portions folded inwardly of the tube to define abutments at opposite ends thereof, a closure member abutting against one of the abutments at one end of the tube and engaging the flat top portion of the mouth spanning portion of the adjacent cap, and a plug disposed at the opposite end of the tube, said plug having a flat circular portion engaging the flat bottom portion of the mouth spanning portion of the adjacent cap of the nested caps and having a frusto-conical portion of the same shape as the side portions of the caps engaging the side portion of the adjacent cap, the frusto-conical portion of said plug terminating in a substantially cylindrical portion to form an inner abutment engaging the inturned end portion of the tube at said opposite end thereof, said cylindrical portion of said plug being positioned between the inwardly folded end portion of the tube at said opposite end thereof and the side walls of the tube for positively positioning said plug at said opposite end of the tube.

2,576,651
BEARING
Paul J. Super, Dawson Creek, British Columbia, Canada, assignor of ten per cent to David E. Beaudoin, Muskwa, Canada; Henry Oliver Callahan, administrator of said Paul J. Super, deceased
Application September 26, 1947, Serial No. 776,353
3 Claims. (Cl. 308—207)



1. An anti-friction bearing construction comprising an inner race, means for fixing said inner race to a shaft, an outer race having sections, means for locking said sections in fixed position, roller means interposed between said races, a housing, adjustable means secured to the housing for securing said housing to the outer race, said section locking means including dovetail slots in said sections, complemental pins in said slots and threaded connections between said sections.

2,576,652
ELECTRICAL GENERATING APPARATUS
George C. Sziklai and William A. Tolson, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 6, 1947, Serial No. 790,080
9 Claims. (Cl. 250—27)

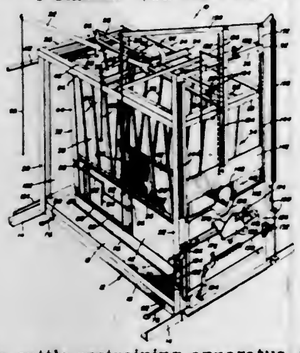


8. A charging circuit comprising a source of periodically recurrent control pulses, an oscillator, means for intermittently keying said oscillator under the control of said control pulses whereby said oscillator is alternately in an active and quiescent state, rectifying means coupled to said oscillator, an output circuit coupled to said rectifying means for supplying a charge to an element to be charged, and a controllable electron discharge path connected substantially in parallel with the output circuit of said rectifier.

2,576,653
REMOVAL OF IRON FROM A CRACKING CATALYST
Charles L. Thomas, Winnetka, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill., a corporation of Delaware
No Drawing. Application May 27, 1948, Serial No. 29,659
8 Claims. (Cl. 252—450)

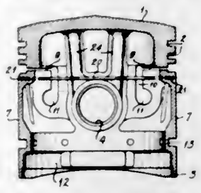
1. A process for producing a cracking catalyst having long catalytic life comprising the steps of passing hydrocarbon vapors at a cracking temperature over a lattice layer type body selected from the group consisting of a raw lattice type clay and an acid treated lattice type clay to deposit carbon thereon, then subjecting the carbonized body to the action of a chlorine substance selected from the group consisting of chlorine gas and the vaporizable chlorides of carbon at a temperature of 300° to 700° C., and then burning off the remaining carbon, and, when said raw clay is so treated, the further step of acid treating it after burning off the carbon.

2,576,654
CATTLE RESTRAINING APPARATUS
Alvin E. Thorson, Victor, Mont.
Application June 1, 1949, Serial No. 96,475
3 Claims. (Cl. 119—99)



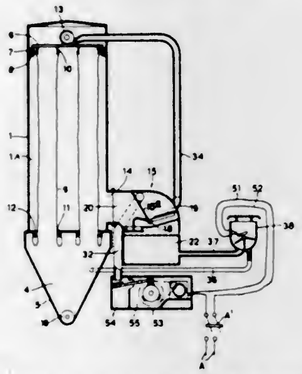
1. In a cattle restraining apparatus, the combination of a base, a pair of spaced side walls provided on said base and adapted to receive an animal therebetween, one of said side walls being pivoted at its lower edge to said base, the second side wall having its lower edge pivotally and slidably attached to the base whereby said walls may be swung toward and away from each other and whereby the distance between the lower edges thereof may be varied, common means for swinging said walls, means for locking said walls against outward swinging movement, additional means for sliding the lower edge portion of said second wall toward and away from the first wall, a head rest provided for cooperation with a closure at one end of the apparatus, means engageable with the neck of an animal in said chamber for retaining the head thereof on said rest, said last-named means including a restraining member vertically reciprocable in a pair of guides adjacent the exit closure of the chamber, a wire rod having an arched intermediate portion engageable with the neck of an animal and provided on said restraining member, means for locking the restraining member against upward movement including a vertical rod attached to the restraining member, a plurality of notches on said rod, a lock arm engageable with said notches and said arm being mounted by means of a releasable spring-loaded bolt.

2,576,655
PISTON
William M. Venner, Clayton, and Percy L. Bowser, Jr., University City, Mo.
Application January 2, 1947, Serial No. 719,842
4 Claims. (Cl. 309—13)



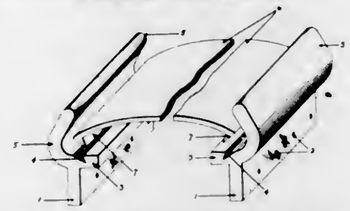
1. A piston of the character described, comprising, a head, a skirt depending from said head provided with wrist-pin bearings and with thrust-faces, and a control element embodying parts extending along said thrust faces in a direction transverse to the piston axis, anchored in a limited central section circumferentially of each of said thrust-faces and having parts extending along but free of the pin-bearing zones of said skirt so as to be unaffected by expansion or contraction thereof.

2,576,656
APPARATUS FOR CLEANING HOSE FILTERS
Sven Werner Wallin, Jonkoping, Sweden, assignor to AB Svenska Fläktfabriken, Stockholm, Sweden
Application August 16, 1949, Serial No. 110,634
In Sweden April 21, 1948
4 Claims. (Cl. 183—57)



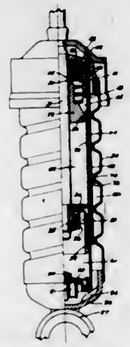
1. In filter apparatus comprising a plurality of filter casings each having a plurality of vertically extending filter hoses in each thereof and an inlet chamber for the mechanism to be purified underlying said filter casings and arranged so that the medium to be filtered entering said inlet chamber is caused to pass upwardly into said filter hoses and then outwardly through the latter into said filter casings, means defining an outlet chamber for each casing for the purified medium, an outlet duct communicating with each outlet chamber, normally open valve means for closing-off communication between said outlet duct and said outlet chambers, actuating means for said valve means in each outlet chamber operable in response to a predetermined gaseous fluid pressure to close said valve and simultaneously cause said pressure fluid to flow from said outlet chambers into said filter casings and inwardly through the hose filters therein to clean the same, a source of gaseous pressure fluid, a connection from said source to each outlet chamber, a normally closed control valve for each said connection, cam means constructed to open said control valves one at a time in predetermined sequence, and means responsive to a predetermined differential between the inlet chamber pressure and the outlet chamber pressure operable to actuate said cam means thereby to open said control valves in predetermined sequence and cause the gaseous pressure fluid to flow to the outlet chambers in accordance with the sequential opening of said control valves.

2,576,657
ROOF RAIL
John Nugent Walters, New York, N. Y.; Rose P. Walters administratrix of said John Nugent Walters, deceased
Application September 26, 1946, Serial No. 699,361
1 Claim. (Cl. 108—26)



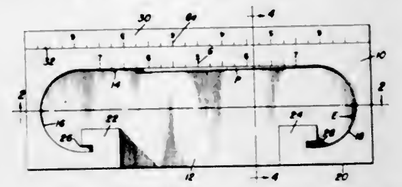
A metal edge moulding for roofs comprising a body portion having a depending flange thereon adapted to be attached to the edge wall of a roof, a flange extending at right angles to said first named flange at the upper inner edge thereof, the upper face of said second flange being grooved to receive a flexible sheet of roofing therein, and an upstanding curved bead portion overhanging said groove and of such length that it may be bent into overlapping engagement with a roofing sheet received therein.

2,576,658
SHOCK ABSORBER
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 7, 1948, Serial No. 53,366
2 Claims. (Cl. 188—88)



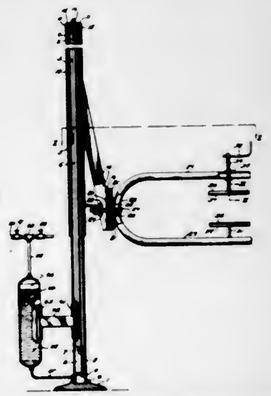
1. A direct acting type hydraulic shock absorber having a piston containing working cylinder, an outer tube surrounding the cylinder forming an annular, fluid containing reservoir about said cylinder, said reservoir being in communication with one end of said cylinder, an inner baffle tube within the fluid reservoir, forming a narrow annular space about the cylinder for a portion of its length, means providing communication between the other end of the cylinder and said narrow annular space and a spiral groove formed inwardly in said outer tube and extending in such close proximity to the baffle tube so as to substantially prevent longitudinal movement of fluid therein, thereby forcing all fluid to move in a spiral path for cooling said fluid and for preventing the aeration of the fluid normally induced by longitudinal fluid movement.

2,576,659
TEMPLE RULER
James E. Williams, Jr., Hillsboro, Ohio
Application October 12, 1950, Serial No. 189,789
2 Claims. (Cl. 33—200)



1. An optometrist ruler comprising an elongated flat base having an upper face, said upper face having an elongated recess therein including a straight longitudinal wall and a pair of concave end walls meeting the ends of the straight wall, a pair of lugs forming part of the base and extending into the recess adjacent the end walls and lugs being located between the end walls and having notches thereon in registry with the end walls, and graduations on the upper face of said base along said straight wall.

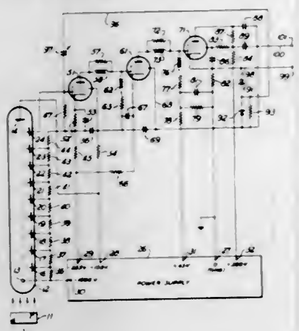
2,576,660
RADIATOR LIFT
William R. Williams, Tampa, Fla., assignor to D. H. Brubaker, Tampa, Fla.
Application June 1, 1950, Serial No. 165,483
11 Claims. (Cl. 212—64)



2. A motor vehicle radiator lift comprising an upstanding cylinder, a sleeve jacket surrounding and slidable longitudinally of the cylinder, arms

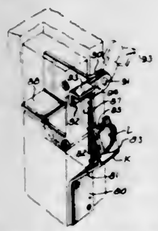
rigid with and extending laterally from the jacket, a swivel on the outer ends of the arms, a yoke on said swivel, and radiator-clamping means carried by said yoke.

2,576,661
PULSE SHAPING CIRCUIT
Louis F. Wouters, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application September 28, 1950, Serial No. 187,331
5 Claims. (Cl. 250—207)



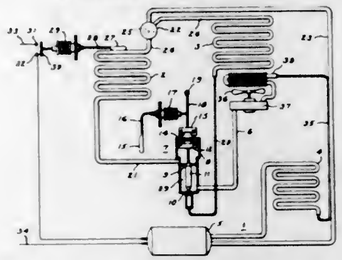
5. In combination, a multielectrode photomultiplier tube, means connected to the electrodes of said tube for impressing operating voltages, an amplifier having an input and an output, means responsive to current flow between two electrodes of said tube connected to the input of said amplifier, means connected to the output of said amplifier for forming a square wave of voltage in response to the output of said amplifier, and means connected from the output of said last-named means to the input of said amplifier for feeding back a voltage pulse in phase with the input to said amplifier and proportional to the rate of change of said square wave of voltage, whereby the interelectrode capacitance of said tube and amplifier are discharged.

2,576,662
STORM WINDOW HANGER
Paul L. Adams, Wayne A. Norman, and Charles K. Sitterly, Dubuque, Iowa, assignors to Carr, Adams & Collier Company, Dubuque, Iowa, a corporation of Iowa
Application October 12, 1948, Serial No. 54,074
10 Claims. (Cl. 160—181)



1. Means for hanging upper and lower storm sashes and screens comprising a supporting hook consisting of a flat plate having an inner vertical attaching portion and an outer hook portion forming a continuation of the attaching portion and projecting from the outer side edge of the same and extending upwardly and outwardly in the same plane as the attaching portion, said attaching portion being provided with a horizontal shelf extending from one of the side faces of said attaching portion, and a hanger provided with a lower attaching portion and having an upper portion inclined upwardly and inwardly and provided with means for engaging the hook portion at the inner edge thereof whereby the hanger is suspended from the supporting hook.

2,576,663
TWO-TEMPERATURE REFRIGERATING SYSTEM
Leonard W. Atchison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 29, 1948, Serial No. 67,924
9 Claims. (Cl. 62—4)



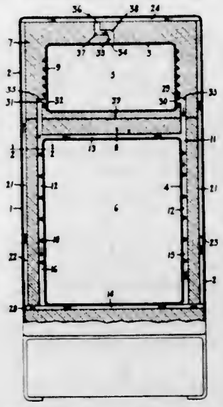
1. In the refrigerating system, a low temperature evaporator, a higher temperature evaporator, condensing apparatus for circulating refrigerant in the system, means for selectively directing refrigerant to either of said evaporators, a fan for circulating air over said higher temperature evaporator, means for driving said fan, and means operative at all times that refrigerant is supplied to either of said evaporators for actuating said driving means.

2,576,664
TWIST DRILL
Paul B. Berlien, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 2, 1949, Serial No. 130,717
3 Claims. (Cl. 77—70)



1. A high speed twist drill having a pair of flutes each provided at its cutting extremity with a sintered carbide insert, each of said inserts comprising a cutting lip and a receding portion, the first of said inserts extending inwardly from the periphery of said drill beyond the longitudinal center line thereof, the cutting lip and receding portion on said first insert including a dead center angle of greater than 90 degrees, the second of said inserts extending inwardly from the periphery of said drill to provide a cutting lip that terminates short of the longitudinal center line thereof, the inner ends of each of said cutting lips being joined by their respective receding portions to form a notch displaced from the longitudinal center line of said drill.

2,576,665
AIR CIRCULATING ARRANGEMENT FOR REFRIGERATORS
Harley H. Bixler, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 8, 1949, Serial No. 131,845
7 Claims. (Cl. 62—89)



1. A refrigerator cabinet having an outer wall, a spaced inner wall forming a first compartment, a second spaced inner wall forming a second compartment, heat-insulating material in the space between said outer wall and said inner walls, means for refrigerating said inner walls to cool said compartments, said first compartment being maintained at a lower temperature than said second compartment, and a continuous passage in the space between said outer and said inner walls communicating with said first compartment for circulating air through said heat-insulating material and through said first compartment for removing moisture from said space and depositing it within said first compartment, a first portion of said passage being disposed adjacent the exterior of said wall of said second compartment and being arranged in communication with said first compartment, a second portion of said passage being disposed adjacent said outer wall of said cabinet and being arranged in communication with said first compartment.

2,576,666
PROCESS FOR PRODUCING HEPTACHLOR
Henry Bluestone and Rex Everett Lidov, Denver, James Harvey Knaus, Longmont, and Paul William Howerton, Denver, Colo., assignors to Julius Hyman & Company, Denver, Colo., a corporation of Delaware
No Drawing. Application December 7, 1949, Serial No. 131,692
12 Claims. (Cl. 260—648)

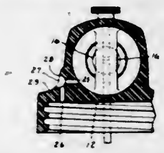
1. The process for making the compound heptachlor which comprises the chlorination with elemental chlorine of 4, 5, 6, 7, 8, 8-hexachloro-3a, 4, 7, 7a-tetrahydro-4, 7-methanoindene dissolved in a solvent, in the presence of fuller's earth suspended in the solution while the latter is maintained in complete darkness at a temperature between 30° and 100° C., separating the suspended fuller's earth from the solution, and removing the solvent from the chlorinated product.

2,576,667
ENVELOPE FRAME PICTURE CARD
Simon Bly, New York, N. Y.
Application December 22, 1947, Serial No. 793,127
1 Claim. (Cl. 40—152)



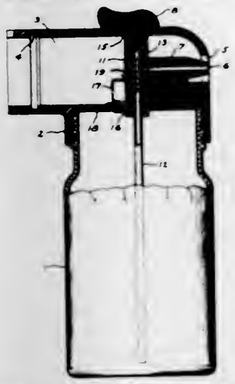
In a mailable article, a postcard having a picture on its one side and its other side imprinted to have a stamp applied thereto and be inscribed with the name and address of the addressee, a blank the same size as said postcard extended across the one side of said postcard over the picture, said blank having its center cut away forming a frame through which the picture can be viewed, pockets formed on the corners of said blank at the rear face thereof into which the corners of said postcard are engaged, tabs offset from the side edges of said blank midway between said pockets to be bent about the side edges of said postcard, and adhesive on the faces of said tabs facing the other side of said postcard for securing said tabs to said postcard to maintain said postcard in position with its corners engaged in said pockets, so constructed and arranged that when the article is received by the addressee one of said tabs can be pulled loose and used for hanging the article on a wall.

2,576,668
CONTROLLABLE PRESSURE MEANS FOR SPRAYING LIQUIDS AND THE LIKE
George H. Bramhall, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application December 29, 1948, Serial No. 67,872
3 Claims. (Cl. 299—89)



2. A spraying device, comprising a spray head for attachment to the mouth of a container of material to be sprayed, said spray head being of such size and shape to function as a handle to be grasped by the operator, a pressure chamber for attachment to a source of air under pressure, a discharge nozzle communicating with said container, an air blast tube disposed about said nozzle, passageways communicating between said pressure chamber and said air blast tube to discharge air from said air blast tube at relatively high velocity, a vent passageway in said spray head communicating directly between the outer atmosphere and said container, said passageway terminating in a sidewardly facing pocket of relatively large volume in the outer wall of said head, and a second passageway communicating between said pressure chamber and said pocket, whereby when said pocket is covered, as by the finger of the operator, a quantity of air under pressure will flow substantially directly from the pressure chamber to the container to enforce flow of the contents thereof to said nozzle to be entrained by the air blast for discharge in finely divided state.

2,576,669
ROTARY VALVE SPRAYER
George H. Bramhall, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application May 19, 1949, Serial No. 94,177
2 Claims. (Cl. 299—89)



1. In a sprayer of the type having a container for a material to be sprayed and a cap engageable with said container, that improvement comprising an air supply tube as a part of said cap attachable to an air supply conduit at one end and defining an air blast nozzle at its other end, means within said tube and integral therewith defining a discharge passage for said material terminating adjacent said nozzle, and a valve member rotatably carried by said cap within said air supply tube, said valve member having a material supply tube extending to a point adjacent to bottom of said container and providing communication from said material supply tube to said means, an operating knob directly connected to said valve extending outside of said air supply tube, rotation of said valve member controlling the extent of communication to regulate the spray, and an air passageway around said material supply tube extending from said air supply tube through said cap to said container for supplying air to said container.

2,576,670
METHOD AND MEANS FOR CONTINUOUS DOUGH FEED
Morris Cohen, Kansas City, Mo., assignor to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware
Application October 5, 1946, Serial No. 701,583
2 Claims. (Cl. 107—54)



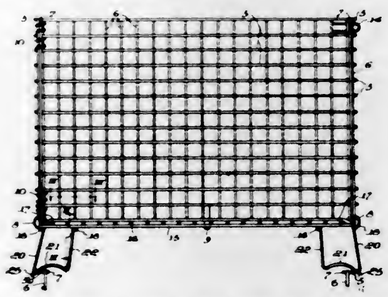
1. The method of continuously feeding and sheeting dough which is characterized by the steps of forming relatively short lengths of elongated masses of dough, arranging them end to end in file on a conveyor, mutually contacting adjacent ends of the masses, continuously turning the dough somewhat laterally upon itself on said conveyor to work said ends together while causing the file to move generally longitudinally on the conveyor, whereby to produce a continuous elongated dough mass, and only subsequently sheeting the dough to provide a continuous flat strip of dough of substantially uniform width and thickness.

2,576,671
SHIPPING CONTAINER
Burton C. Coit, Jr., Washington, Pa., assignor to Tri-State Engineering Company, Washington, Pa., a corporation of Pennsylvania
Application April 6, 1949, Serial No. 85,926
3 Claims. (Cl. 220—19)



1. A crate having vertical walls of lattice like panels, a lid member therefor of lattice form, a spiral hinge wire engaging a plurality of vertically-disposed lattice members of one wall and slidable vertically thereon, a second spiral hinge element having interlocking pivotal connection with the first-named spiral member and with the adjacent edge of the lid member.

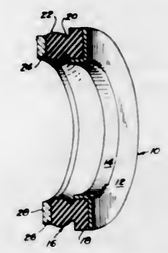
2,576,672
STACKABLE PALLET TYPE CRATE
Burton C. Coit, Jr., Washington, Pa., assignor to Tri-State Engineering Company, Washington, Pa., a corporation of Maryland
Application November 3, 1949, Serial No. 125,340
2 Claims. (Cl. 220—19)



2. A combined pallet and crate structure comprising a pallet having a deck, vertical crate walls resting upon the deck, a leg of generally U-form having the upper end of one of its sides welded to the deck at a point in approximately the plane of one of the vertical walls and the other side of the U being welded at its upper end to a point on the deck that is located inwardly of the first-named point, the first-named side of the U-leg sloping downwardly and outwardly for such distance that the lower end of the U-leg will rest upon a wall of a similarly-sized crate upon which the pallet is stacked, the second-named side of the leg extending downwardly a shorter distance than the outer side of the leg, whereby it is kept from engaging a floor, and the lower face of the U-leg being recessed upwardly to receive the edge of an underlying crate wall.

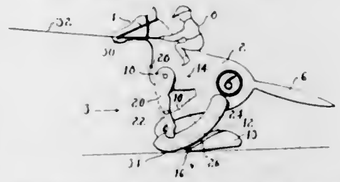
2,576,673
FLUID SEAL
Prentiss I. Cole, Palo Alto, Calif.
Application September 9, 1946, Serial No. 695,666
6 Claims. (Cl. 288—3)

1. In a fluid seal of the face seal type, a unitary rubber suspension member annular in form comprising, with respect to the cross-section of the annulus, a substantially rectangular base, a web of restricted width supported by the base, and a crown supported by the web, said crown having a gradually increasing width from its lower portion to mid-portion and a gradually decreasing width from mid portion to the upper portion



thereof, the longitudinal median line of said web being in alignment with the longitudinal median line of said crown, both when the suspension member is unstressed and compressively stressed in the direction of said median lines.

2,576,674
RACEHORSE TOY
Albert E. Dennis, Philadelphia, Pa.
Application August 2, 1946, Serial No. 688,089
1 Claim. (Cl. 46—127)



An amusement device in a form simulating a four-legged animal comprising a body member, a flexible pull member connected to the forward portion of said body member, and a front leg simulating member having a pivotal connection with the body member, said body member having a rear leg simulating member including a base portion providing a rocking contact with a supporting surface and being rigid between said pivotal connection and said base portion, said front leg simulating member being in the form of a pendulum having a support portion engageable with the supporting surface and being rigid between said pivotal connection and said support portion, said front leg simulating member being sufficiently short so that its support portion will be lifted clear of the supporting surface when the body member rocks backwardly on its base portion, and during normal operation of the device the center of gravity of the device being at all times to the rear of a perpendicular through said pivotal connection, said parts being arranged and weighted so that upon application of a forward pull to said body member through said pull member, the body member slides forwardly upon the supporting surface pivoting about said pivotal connection with the front leg simulating member which rocks upon its support portion, and so that upon release of the forward pull, the body member first rocks rearwardly to lift the front leg simulating member from the supporting surface whereupon the front leg simulating member may swing forwardly, rocking the body member forwardly and restoring engagement between the support portion of the front leg simulating member and the supporting surface.

2,576,675
SAFETY CONTROL SYSTEM FOR HEAT APPLIANCES
Donald F. Drow, Los Angeles, Calif., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, a corporation of Delaware
Application December 10, 1947, Serial No. 790,813
2 Claims. (Cl. 236—21)

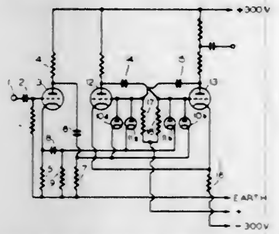


1. In a safety control system for a water heater having a storage tank and a main burner and constant burning pilot burner therefor, a valve adapted for mounting in the fuel line to the main burner for controlling the flow of fuel thereto, thermally responsive actuating means connected to said valve and adapted for thermal connection to said tank for opening and closing said valve in accordance with predetermined minimum and maximum temperatures respectively of the water in said tank, thermo-safety valve means responsive to the presence of flame at said pilot burner mounted in said fuel line to said main burner and functioning to permit fuel flow to said main burner only so long as said pilot flame is present, a valve positioned in the fuel line leading to said pilot burner, a capsule of thermally expansible fluid mounted in thermal contact with said tank, and expansible bellows having a fluid connection to said capsule and expanded by the expansion of said fluid and connected to said last named valve for closing thereof and shutting off the fuel supply to said pilot burner upon increase of the temperature of the water in said tank to a predetermined high value above said predetermined maximum water temperature.

2,576,676
FREQUENCY DIVISION FOR TELEVISION SYSTEMS
Roland William Elbourn, Southall, and Leonard Reginald Joffre Johnson, Hayes, England, assignors to Cinema-Television Limited, London, England, a corporation of England
Application December 7, 1948, Serial No. 63,862
In Great Britain July 4, 1947
2 Claims. (Cl. 250—36)

1. A method of frequency division by a number of the form $(2n+1)/2m$ (where n and m are integers) which comprises generating two sets of voltage pulses, the pulses in each set being recurrent at the frequency to be divided and the pulses of one set being displaced in phase substantially by 180° with respect to the pulses of the other set, and applying both sets of pulses to control by their combined effect a circuit adapted to produce signals having a frequency

which is an integral submultiple of the effective frequency of said combined pulses, said sets of pulses being derived by generating at the frequency to be divided a square-wave potential containing substantially no even harmonics,



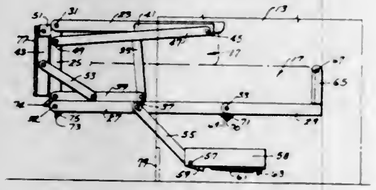
applying said square-wave potential to a phase-splitting circuit of known type have two substantially equal but oppositely phased outputs, differentiating each of said outputs and selecting pulses of like polarity from each of said differentiated outputs to form said sets of pulses.

2,576,677

SUPPORT ASSEMBLY FOR SEAT BEDS

Joseph A. Freemon, Heiskell Weatherford, Jr., and Robert F. Wilson, Memphis, Tenn., assignors to Sealy, Incorporated, Chicago, Ill., a corporation of Delaware

Application April 28, 1949, Serial No. 90,127
19 Claims. (Cl. 5—34)



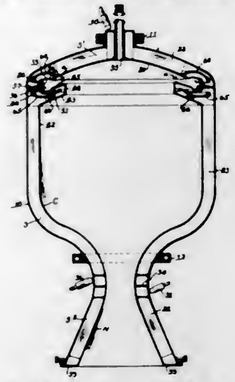
7. In a seat bed, in combination, a plurality of relatively foldable support assembly sections pivoted to each other for movement from folded seating condition to extended co-planar bed position and return, said support assembly in folded condition including an upper horizontal section, a lower horizontal section, and a front vertical section extending between and connected at its opposite ends respectively to said horizontal sections, a leg pivotally connected to said front section and parallel thereto; a first arm pivoted to said front section and a second arm pivoted to said upper section, said arms being articulated to form a toggle; a leg link connecting said first arm and said leg for extending said leg when said upper section is unfolded with respect to said front section, the toggle formed of said arms being extended by said unfolding, said second arm being substantially vertical when said support assembly is in folded condition and having an extension projecting downwardly beyond the point of articulation of said arms, said extension seating on said lower section for bracing said upper section, said front section having a forwardly projecting flange at its lower end, and said lower section having a depending flange at its forward end, said flanges being adjacent the connection between said front and lower sections and being moved into abutting juxtaposition when said front section is unfolded with respect to said lower section.

2,576,678

FEEDING AND MIXING MEANS FOR ROTATING COMBUSTION CHAMBERS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application March 22, 1947, Serial No. 736,442
2 Claims. (Cl. 60—39.46)



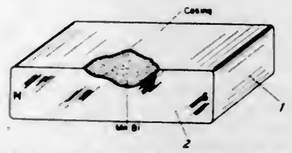
1. In combustion apparatus, a combustion chamber having a closed inner end portion, an outer casing enclosing jacket spaces for said chamber and for said inner end portion, means to separate said jacket spaces, means to feed different liquid combustion elements to said separated jacket spaces, adjacent upper and lower annular flanged portions of said chamber and of said inner end portion having openings through which streams of combustion elements are injected, and annular baffle plates in said jacket spaces effective to direct said combustion liquids to cool all surfaces associated with said feeding and spraying means and which are exposed to high combustion temperatures, and the baffle plate in the chamber jacket space being mounted on spaced supports and having its inner edge portion adjacent but spaced from the combustion chamber wall and having its outer edge portion adjacent but spaced from the chamber jacket casing and from the separating partition.

2,576,679

PERMANENT MAGNET AND METHOD OF MANUFACTURE THEREOF

Charles Guillaud, Bellevue, France, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France

Application November 9, 1946, Serial No. 708,926
In France August 2, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 2, 1959
4 Claims. (Cl. 175—21)



1. A permanent magnet possessing a high residual magnetization and a coercive force of at least 4,000 oersteds, said permanent magnet being made from a massive binary alloy of manganese and bismuth in which the proportions of manganese and bismuth substantially correspond to the molecular weights of said elements, which massive alloy has been crushed to a very fine powder from which the alloy crystals, the chemical composition of which is substantially Mn Bi, have been selected and agglomerated to the desired shape, the agglomerate having been then submitted to a strong magnetizing field.

2,576,680

METHOD FOR INCREASING THE RESISTANCE TO CORROSION OF STAINLESS STEEL

Louis Guitton, Ugine, France, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France

No Drawing. Application August 15, 1946, Serial No. 690,829. In France September 15, 1945
3 Claims. (Cl. 148—6.14)

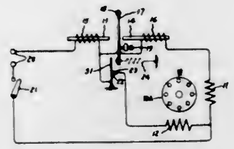
1. The method for increasing the resistance to corrosion of stainless steel, which comprises treating at least the part of said stainless steel which is to be contacted with the corroding medium by the following steps: (1) an attack treatment with a solution of sodium fluoride and nitric acid until there is a loss of weight amounting to about 150 grams per square meter, (2) a non-corrosive passivation treatment with solution of nitric acid until said part has a high electro-positive potential with respect to a calomel electrode.

2,576,681

STARTING RELAY CONTROL FOR SINGLE-PHASE MOTORS

Chester I. Hall, Vischer's Ferry, N. Y., assignor to General Electric Company, a corporation of New York

Application January 15, 1948, Serial No. 2,376
13 Claims. (Cl. 318—221)



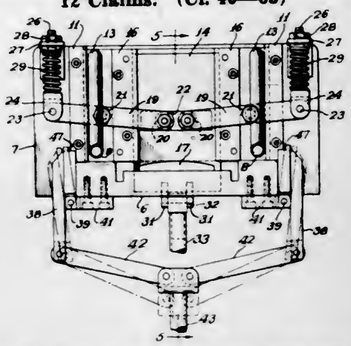
1. A starting relay for a single phase motor having starting and running windings and adapted for connection to a line carrying energizing current from a source of electrical potential comprising, switching means for normally connecting said starting winding in parallel circuit relationship with said running winding, first electromagnetic means for producing a flux proportional to the current through said running winding, second electromagnetic means for producing a second flux proportional to the currents through said running and starting windings, said fluxes varying non-linearly with respect to each other as the speed of said motor changes, and magnetizable means responsive to the variation of said fluxes with changes of said motor speed for actuating said switching means to disable said starting winding at a predetermined motor speed.

2,576,682

APPARATUS FOR LOADING RECORD STRIPS INTO RECORD FRAMES

Marchand B. Hall, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware

Application January 26, 1950, Serial No. 140,696
12 Claims. (Cl. 40—63)



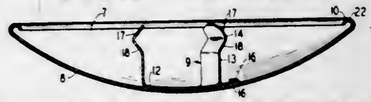
2. In an apparatus for loading resilient record strips upon a record frame, a base to support a plurality of record strips in side-by-side abutting relation, an outer carriage mounted for vertical movement relative to said base, an inner carriage mounted for vertical movement relative to said base and said outer carriage, a strip supporting platform secured at its end to said inner carriage and projecting outwardly therefrom to engage the medial portion of record strips arranged on said base, a pair of bending arms having their one ends secured to said outer carriage and projecting outwardly therefrom on opposite sides of and parallel to said platform to engage the end portions of record strips arranged on said base, means to move said carriages relative to said base and each other, and aligning arms to engage and align the ends of record strips arranged on said base.

2,576,683

HUBCAP

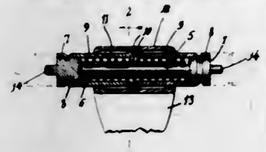
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application September 1, 1948, Serial No. 47,273
10 Claims. (Cl. 301—108)



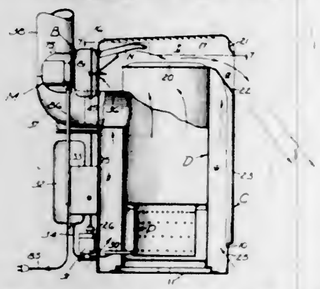
2. In combination a concave hub cap and means adapted to secure the cap to a vehicle wheel, said means comprising a base and a plurality of spring fingers formed integrally with said base and extending substantially perpendicular thereto, said base being secured to the central portion of said concave cap on the inner face thereof with the spring fingers positioned about the center of the cap and extending axially inwardly of said cap, said fingers being free to flex radially of said cap, said base having a plurality of spaced notches therein, said hub cap having a plurality of inwardly struck lugs therein, said lugs being spaced apart to correspond with the spacing of said notches, said lugs projecting inwardly through said notches and being bent to overlie the exposed inner face of said base adjacent said notches.

2,576,684
TERMINAL FOR WRISTBANDS FOR WATCHES
Frederick Jaccarino and Alfred Pinson, Fairfield County, Conn., assignors to Apex Accessories Co., Inc., Greenwich, Conn.
Application September 3, 1949, Serial No. 113,988
1 Claim. (Cl. 24—265)



In a wrist band terminal, a pair of telescoping pins, each provided with a head at its free end, a sleeve shorter than the pin for each head, each of said heads having an annular groove and one end of said sleeve having a portion of its curved periphery rolled into the annular groove of a corresponding head, so that the major part of the sleeve extends over the telescoping pin to which it is secured, each sleeve having an outward flange at the free end, a coil spring on said telescoping pins butting with its ends the heads of the pins, said spring being housed within said sleeves, a drum shaped member forming part of the band engaging the flanged ends of said sleeves, each of said sleeves passing through the corresponding end of the drum to permit said sleeve to telescope within the drum under the action of the spring, and a trunnion directed outwardly from the head of each pin and in alinement therewith.

2,576,685
FORCED AIR CIRCULATION COMBUSTION TYPE SPACE HEATER
Kenneth S. Jenson, Wisconsin Rapids, Wis., assignor to Prentiss-Wabers Products Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
Application November 18, 1947, Serial No. 786,651
10 Claims. (Cl. 126—110)



8. In an air circulating space heater, the combination of a cabinet having low inlet and high outlet openings therethrough and a downwardly inclined louver at the cabinet front extending horizontally in proximity to its top, a drum arranged within the cabinet spaced from the walls and top of the cabinet and forming a combustion chamber, air circulating means provided with an inlet communicating with the space between the combustion chamber forming drum and the cabinet below the top of the drum, said air circulating means having a nozzle and provided with an outlet connected to the nozzle, said nozzle being horizontally wide and vertically thin and extending into the cabinet through an opening thereof into the space between the top of the drum and the top of the cabinet toward said louver and inclined slightly downwardly to direct air issuing from the nozzle toward the top of the drum for impingement against the same for reheating thereby immediately preceding its forced discharge through the delivery louver at the front of the cabinet.

2,576,686
VEHICLE WITH COUNTERBANKING SUPERSTRUCTURE ON TURNS
Joachim Kolbe, Milwaukee, Wis.
Application January 24, 1947, Serial No. 724,062
45 Claims. (Cl. 280—124)

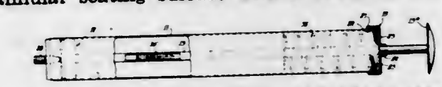


1. A vehicle comprising a superstructure adapted to counter-bank on turns, a plurality of sets of banking arms disposed to support said superstructure and spaced longitudinally of the same, each set of banking arms being connected to the superstructure and constituting at least a pair of opposed banking arms spaced laterally apart on opposite sides of the longitudinal center line of the superstructure and extending from the superstructure to the effective road support therefor with the ends of the arms for each pair of banking arms embodying in effect a universally movable joint at one corresponding end of each arm and a skew pivotal banking axis at the other end of each arm, and means interconnecting the banking arms of each pair to retain said effective universally movable joints for the corresponding pair in substantially constant spaced relation, the plane of each banking arm of a pair of opposed arms containing the corresponding banking axis and the center of the effective universally movable joint therefor meeting the plane of the other arm of the pair in a motion center line for the pair passing substantially above the level of the effective center of mass for the portion of the superstructure supported by the pair of arms at the point where said motion center line crosses over the effective transverse road line at the outer end of the arms.

2,576,687
COMBINED PUMP AND GAUGE DEVICE
John H. Krehbiel, Hinsdale, Ill., assignor to Molex Products Co. (not incorporated), Chicago, Ill., a copartnership
Application February 27, 1948, Serial No. 11,587
3 Claims. (Cl. 73—389)

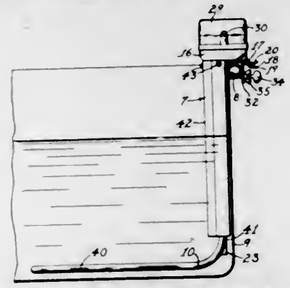
1. In a combined pump and gage device, the combination of a pump cylinder, a piston therein

having a piston rod connected thereto and projecting exteriorly of the cylinder, a handle on the outer end of the piston rod, a valve structure communicating with said cylinder, said valve structure including a ball valve and a pair of axially spaced apart seats between which said ball plays, one of said seats comprising a valve spider permitting ready passage of air past the ball and the other of said seats comprising an annular seating surface with a relatively small



bleed duct therein permitting restricted passage of air by the ball when the ball is in engagement with the last-mentioned seat, a compression spring within the cylinder between the piston and the cylinder end opposite said valve structure, and a pressure gage scale on said piston rod adjacent the inner end of the rod and adapted to register with the adjacent end of the cylinder on the return pressure of air bleeded past said ball back into the cylinder when pressure inwardly on the piston rod handle is released.

2,576,688
ELECTRIC HEATER FOR STOCK WATERING TANKS
Jacob T. Landgraf, Freeport, Ill., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application January 8, 1948, Serial No. 1,237
8 Claims. (Cl. 219—41)



1. An immersion type tank heater comprising a generally L-shaped heating coil of rigid metallic tubing including a substantially horizontal loop and two spaced substantially parallel upright end portions extending from the ends of said loop in rigid substantially right angle relationship thereto and adapted to serve as supports for the coil, a housing attached to the upper ends of said upright end portions having a bracket attached thereto for detachable connection with the rim of a tank for supporting said coil by means of the housing on the side wall of a tank the fluid contents of which are to be heated, an electric heating element in at least the horizontal loop portion of said heating coil, switch means in the housing connected with said heating element to control current flow thereto from a source of electric current supply, a shield for the upright end portions of the coil extending down from the housing, and thermostatic means responsive to change in the temperature of the fluid contents of the tank connected for opening and closing said switch means and including a temperature responsive part to be heated immersible in the fluid with the horizontal loop of the heating coil but housed within and protected by said shield.

2,576,689
NONSLIP GARMENT CLIP
Otto Lawrenz, River Forest, Ill., assignor to Peerless Tool & Engineering Company, Chicago, Ill., a corporation of Illinois
Application May 28, 1949, Serial No. 95,990
2 Claims. (Cl. 24—81)



2. In a non-slip garment clip adapted for engaging and retaining in place the adjacent ends of a collar, a rear bar of elongated form and having a loop of substantial width at each respective opposite end portion, said loop being humped forwardly with the tip portion of each loop angled generally rearwardly, transverse retaining teeth on the humped faces of the respective loops at opposite sides of the opening in the loop, a front bar having the end portions rearwardly humped complementary to the forward humps of the respective rear bar loops and normally extending with the humped portions thereof into the loops clear of any direct contact therewith and intermediate the toothed hump portions of the loops, the respective end portions of the front bar being angled away from the tip portions of the rear bar loops, and means securing said bars in assembly so that opposite aligned portions of a garment can be inserted between the humped loop and front bar portions to be retained by pressure of the bars engaging said retaining teeth against the back face areas of the garment portions.

2,576,690
ADJUSTABLE HAT CREASE RETAINER
Giuseppe Maniglia, New York, N. Y.
Application July 20, 1948, Serial No. 39,767
1 Claim. (Cl. 2—185)

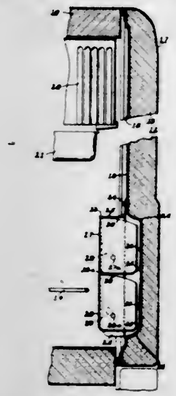


A device for the purpose described, comprising upper and lower sheet material members, said lower member being substantially of inverted U-shaped outline, a horizontally disposed strap struck from said lower member closely adjacent its top edge and midway of its side edges, said upper member being wider than high, a leg depending from the bottom edge of said upper member midway of its side edges, said leg being frictionally engaged between the adjacent faces of said strap and the body of said lower member adjustably connecting said members together, and means for rendering said upper member flexible in a lateral direction, said means comprising inverted V-shaped notches extended upward from the bottom edge of said upper member on opposite sides of said leg.

2,576,691
COMPARTMENTED REFRIGERATOR DOOR
Roland H. Money, Mount Healthy, Ohio, assignor to Artkraft Manufacturing Corporation, Lima, Ohio, a corporation of Ohio
Application March 12, 1949, Serial No. 81,150
6 Claims. (Cl. 312—214)

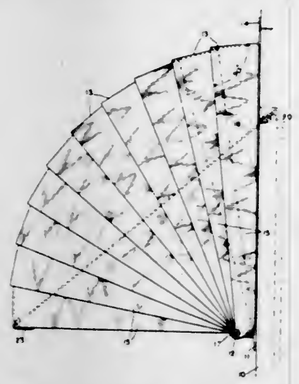
1. A refrigerator cabinet including a hingedly mounted front door having an outside wall, an

inside wall and insulation between the walls, and a plurality of open top storage containers disposed one above the other adjacent the inside wall, each container having a pivotal connection



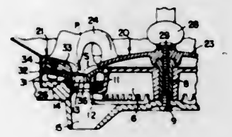
removably connecting it to the inside wall, said connection comprising a pin and slot engaging to provide for swinging the container from a closed position to an inclined upright open position in which the container engages said inside wall.

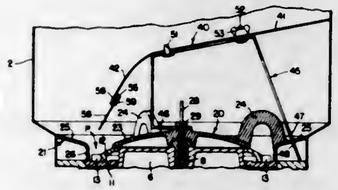
2,576,692
COLLAPSIBLE AWNING
William C. Ne Smith, Jacksonville, Fla.
Application October 22, 1946, Serial No. 704,935
2 Claims. (Cl. 160—132)



1. An awning comprising a plurality of telescoping louvers, each louver being comprised of a horizontal top member and a pair of wing members extending downwardly from, and on opposite sides of, said top member, all of said members including a forward edge and a trailing edge the wing members on each side of the top members having forwardly extending projections provided adjacent the lower ends thereof, said projections having aligned transverse openings therethrough, pin means extending through said openings, said openings being forwardly offset relative to the longitudinal center of the wing members, the trailing edge of each top member being slightly farther from the aligned openings than the forward edge of the adjacent outer top member whereby, when the louvers swing about said pin means to their extended positions, each top member frictionally engages the top member of the adjacent outer louver to maintain the louvers in their extended positions.

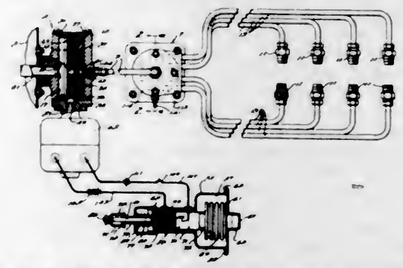
2,576,693
FLEXIBLE CUTOFF FOR PLANTER SEED PLATES
William P. Oehler, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 31, 1947, Serial No. 725,528
11 Claims. (Cl. 222—328)





1. In a planter for planting shelled peanuts and the like without damage to the seed, a base having a seed discharge opening therein, a seed plate rotatably mounted on said base and having a plurality of peripherally disposed seed cells movable over said opening when said seed plate is rotated, and a seed cut-off comprising a relatively soft rubber-like, generally horizontally disposed, approximately rectangular part fixed at its laterally outer side to said base and having its laterally inner side overlapping the celled peripheral portion of said seed plate and lying above said discharge opening, and means fixing said part to said base with the lower face of the radially inner portion of said part substantially in contact with the upper portions of said seed cells whereby seed in said cells may drop by gravity downwardly through said discharge opening and seed above said cut-off plate will be prevented from passing downwardly through said seed cells into said opening.

2,576,694
FUEL INJECTION SYSTEM
Ben G. Parsons, Grosse Pointe, Mich.
Application January 2, 1948, Serial No. 335
7 Claims. (Cl. 123—139)



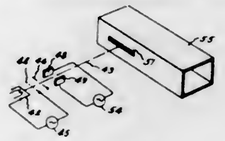
1. In a fuel injection system for a manifold-type engine, an injection nozzle, a fuel distributor connected to said nozzle, a fuel pump connected to said distributor, variable speed drive means independent of the speed of the engine for driving said pump, and means responsive to manifold pressure for varying the driving speed of said drive means.

2,576,695
WATCH BAND TERMINAL
Alfred Pinson, Stamford, Conn., assignor to Apex Accessories Co., Inc., Greenwich, Conn.
Application October 17, 1950, Serial No. 190,458
4 Claims. (Cl. 24—241)



1. A watch band terminal comprising a plate having a gap at one end, a pin pivotally connected to the plate to span the gap, a helical spring having its ends connected to the plate and pin respectively to turn the pin on its pivot by the torsional tension of the spring, said plate having means at the gap to receive the free end of the pin when the pin spans the gap, and a spring actuated slide to lock normally the free end of the pin to the plate.

2,576,696
GENERATION OF ELECTROMAGNETIC WAVES BY DOPPLER EFFECTS
Simon Ramo, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 15, 1945, Serial No. 582,916
25 Claims. (Cl. 250—36)



2. A high frequency generator comprising a dielectric wave guide, means for establishing an electromagnetic wave within said guide, means for impinging within said wave guide high velocity electrons varying in intensity at a predetermined rate upon said wave to produce a reflected electromagnetic wave having a frequency differing from that of said first wave and said predetermined rate.

2,576,697
CARTON LINING DEVICE
Earl M. Roach, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application May 17, 1945, Serial No. 594,217
3 Claims. (Cl. 93—36.01)

1. A device for expanding and shaping an initially flat flexible liner bag to adapt the liner to enter and substantially conform to the interior surfaces of a relatively rigid container of rectangular form comprising a hollow rectangular former composed of relatively rigid but flexible material including a pair of rectangular facing panels in hinged engagement with a pair of outwardly collapsible side panels, and a supporting base formed with an upwardly open rectangular recess for reception of the lower end portion of said former and for thereby vertically supporting it.



2,576,698
METAL-SHEATHED INSULATING BLANKET AND METHOD OF MANUFACTURE
Gaillard R. Russum, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 14, 1948, Serial No. 21,075
11 Claims. (Cl. 154—28)

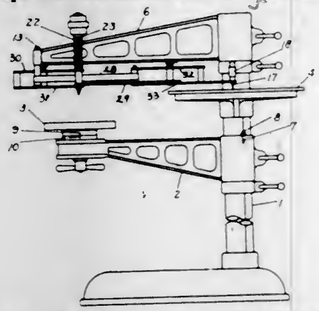


11. The method of forming a flat, completely metal jacketed insulation blanket suitable for application to curved surfaces which comprises, providing two sheets of high temperature resistant metal of unequal size, both shaped and dimensioned to a plane surface development of the surface to be covered, shaping the larger strip to the form of a shallow tray with a base and unitary shallow peripheral sides joined by gently curved shoulders, said tray being dimensioned as a container of a low density insulation core, forming spaced corrugation grooves in the outer surface of the tray base extending transversely across the full width thereof, said grooves extending around the gently curved shoulders and into the side walls of the tray, applying the smaller sheet metal strip as a cover to the tray after insertion of the core therein, and joining abutting edge flanges of the tray-shape sheet and cover sheet to form a liquid sealed envelope.

2,576,699
PANTOGRAPHIC MARKING MACHINE
Bernard W. Schabot, Ferndale, Mich.
Original application October 15, 1943, Serial No. 506,357. Divided and this application September 11, 1946, Serial No. 696,234
3 Claims. (Cl. 33—25)

3. In a marking machine of the type including a pantograph of the parallelogram type and a work support table, the combination of a vertical post, an arm swivelled at one end to said post, means for pivotally supporting said pantograph on said arm adjacent its other end, a second arm swingably mounted for movement on said post in a plane below and parallel to the plane of movement of said first arm, said second arm being adjustable vertically on said post, means for rotatably mounting said work support table adja-

cent the end of said second arm beneath said pantograph for rotation in a horizontal plane, and



means for clamping said work support table against movement on said second arm.

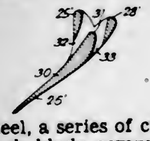
2,576,700

BLADING FOR FLUID FLOW DEVICES

Heinrich Schneider, Muncie, Ind., assignor to Schneider Brothers Company, Muncie, Ind., a copartnership

Application June 2, 1947, Serial No. 751,670

1 Claim. (Cl. 170—172)



In a bladed wheel, a series of circumferentially spaced blades, each blade comprising a streamlined entrance section and an uniformly streamlined exit section in radially spaced relation to the entrance section, the two sections being separated by a channel having substantially the form of a convergent nozzle directed toward the one side of the exit section, and the two sections together representing a well streamlined basic blade form, the blades being so spaced circumferentially and the sections of the blades being so arranged that each entrance section cooperates with its own companion exit section and also the exit section of the next neighboring blade to represent two streamlined blade forms.

2,576,701

TWO-PART HOLDER FOR DRAPERY HEADINGS AND THE LIKE

Fred J. Schwartz, Toledo, Ohio

Application May 2, 1949, Serial No. 90,856

2 Claims. (Cl. 24—86)



1. A two-part holder, one part including point means at one end and a keep means at an oppositely extending remote other end and an intermediate guideway, and the other part including a hook, a point and an intermediate portion, said other part intermediate portion being slidable in the guideway to direct its point to coact with the keep means in a direction oppositely to the direction of said point means.

2,576,702

VELOCITY MODULATION ELECTRON DISCHARGE DEVICE

William J. Scott, Rugby, England, assignor to General Electric Company, a corporation of New York

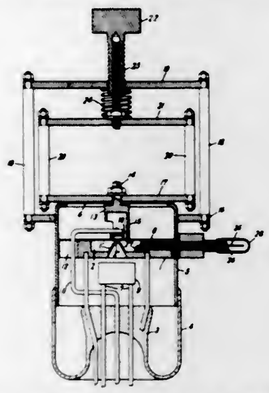
Application December 27, 1946, Serial No. 718,797

In Great Britain December 22, 1941

Section 1, Public Law 690, August 8, 1946

Patent expires December 22, 1961

5 Claims. (Cl. 315—5)



1. An electric discharge device of the velocity modulation type including an envelope, a cavity resonator including a rigid wall part supported in fixed relation to said envelope and a flexible wall secured to said rigid wall and cooperating therewith to define the resonator, a cathode supported on the side of said resonator opposite said flexible wall, a reflector electrode on the opposite side of said resonator and supported in fixed relation to said envelope, said envelope including a flexible wall, and mechanical means connecting said flexible wall of said resonator with said flexible wall of said envelope for producing movement of said flexible wall with respect to said rigid wall.

2,576,703

CONTROL FOR DOUBLE DOORS

Thomas H. Sheehan, Jr., Detroit, Mich.

Application June 5, 1946, Serial No. 674,568

4 Claims. (Cl. 268—62)



1. In combination a pair of doors pivoted on opposite parallel supports and arranged to swing in unison in opposite directions so as to be positioned in substantially the same plane when closed, an arm fixed to the inside face of one door and projecting in a direction inwardly from the inside face thereof when the door is in the closed position, a link pivoted at one end to the inside face of the other door and at the other end to said arm at a point spaced inwardly from the inside face of said doors when closed, said link having an integral portion thereof offset from the pivot between said link and arm in a direction inwardly of and away from the inner face of the doors when closed, and resilient means acting between the offset portion of said link and the door to which the rigid arm is connected on one side of the pivot between said arm and link when the doors are closed whereby the resilient means tends to hold said doors closed, said resilient means in the opening of said doors passing to the opposite side of said pivot whereby the force exerted by said resilient means between the link and the door to which the arm is secured tends to hold said doors open.

2,576,704

MEANS FOR ENGAGING AND DRIVING ROTATED WORKPIECES

Edwin R. Smith, Seneca Falls, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts

Application March 19, 1949, Serial No. 82,423

4 Claims. (Cl. 142—53)



1. Means for engaging and driving a rotated work piece mounted on head and tail centers, which means comprises a work spindle supporting said live center and having an end member fixed thereon, a plurality of separate and circumferentially-spaced driving members mounted in said end member and separately slidable in said member axially of said spindle and each having a separate work-indenting end portion, a transmitting member simultaneously engaging all of said slidable driving members, a hammer rod slidable in said spindle, pressure means effective when released to advance said rod to strike a strong blow through said transmitting member against each of said separately slidable driving members, means to withdraw said rod, and means to thereafter release said rod for forward striking movement produced by said pressure means, and said pressure means being thereafter effective to hold the work-engaging end portions of said separately slidable driving members against the work and in driving engagement therewith.

2,576,705

DEVICE FOR HANGING FLORAL DISPLAYS

Mortimer Lee Spitz, Brooklyn, N. Y.

Application January 30, 1947, Serial No. 725,321

8 Claims. (Cl. 294—19)



1. A device for hanging floral displays comprising a body portion, an intersecting slot and hole in said body portion, said slot being adapted to receive a releasable hanger, ears projecting from said body portion, hanger retaining means mounted between said ears and cooperating with said recess and hole, means for retaining said last named means in a locking position, means for actuating said hanger retaining means and a handle affixed to said body portion said hanger retaining means comprising a swingable hook retained in locking position by a plurality of tension springs cooperating therewith.

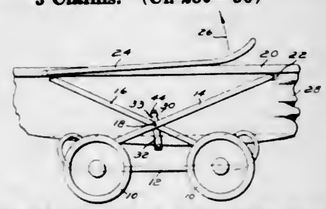
2,576,706

FRAME CONSTRUCTION FOR FOLDING CARRIAGES

William C. Troendle, Gardner, Mass., assignor to Thayer, Inc., Gardner, Mass., a corporation of Massachusetts

Application June 2, 1950, Serial No. 165,749

3 Claims. (Cl. 280—36)



1. A folding carriage comprising supporting wheels, a scissors type folding frame including a pair of pivoted levers, and a folding body portion, the frame being connected to the body to extend or selectively fold the same, a strap pivoted at the pivot point of the folding frame levers, said strap depending therefrom and connected to the body portion adjacent the lowermost part thereof to hold the same taut, a projection on said strap extending between the levers of the frame and contacted thereby to be centrally positioned with respect thereto to hold the strap vertical when the frame is extended.

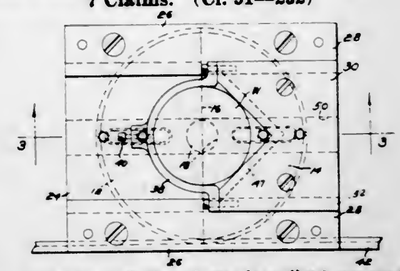
2,576,707

CAM CONTROLLED WORK HOLDER

Carl A. Ulfves, Worcester, Mass.

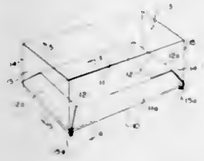
Application September 18, 1950, Serial No. 185,442

7 Claims. (Cl. 51—232)



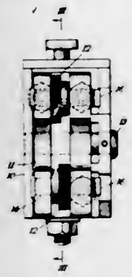
1. A device of the class described comprising a plate, a work holder on the plate, a plurality of cams, means to adjustably secure the cams to the plate, each cam having an arc-shaped edge surface and the cams together defining an oval or the like shape to be reproduced on the work, and relatively stationary means to be engaged by the cams remote from the arc-shaped edges thereof to impart a predetermined path of travel to the plate and the work as the plate is rotated relatively to a tool, and means constraining the plate to the predetermined path.

2,576,708
CONTAINER WITH INTEGRAL SNAPPING CLOSURE FASTENER
Marshall I. Williamson, New Haven, Conn.
Application October 19, 1948, Serial No. 55,417
10 Claims. (Cl. 220—60)



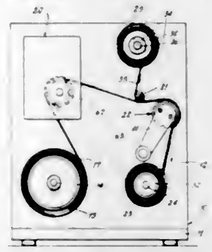
1. A container for merchandise, comprising a receptacle part having upwardly and inwardly sloping exterior side walls which define ornamental facets; and a cover part fitting over said receptacle part and engaging the same, said cover part having at least one side wall member whose lower margin is formed as a resilient clip for snapping over and engaging a corresponding bottom edge of the receptacle part as a latch, and having, further, a pair of oppositely disposed side wall members which are disposed at a relatively steeper angle than the corresponding sloping exterior side walls of said receptacle part and are spaced inwardly from the bottom edges thereof, and which are shorter than the said at least one side wall member, so that their bottoms abut and seat against corresponding facets of said receptacle part, intermediate the slope of said facets, thereby determining the position of said cover part with respect to said receptacle part.

2,576,709
THREAD-ROLLING APPLIANCE
Theodore King Affleck, London, England, assignor to Acton Bolt Limited, London, England, a company of Great Britain
Application December 24, 1947, Serial No. 793,593
In Great Britain January 3, 1947
2 Claims. (Cl. 80—6)



1. A thread-rolling appliance comprising supporting means, and two rolls journalled in said supporting means for free rotation about parallel axes, said rolls being spaced apart to permit a work-piece to be engaged therebetween by lateral movement, each of said rolls having a thread-forming surface, the thread-forming surfaces of the respective rolls having different diameters and being axially offset to an extent equal to the axial distance between the parts of the work-piece which are to be threaded.

2,576,710
TAPE REWINDING DEVICE AND METHOD
Mark B. Andrews, Kirkwood, Mo.
Application October 24, 1945, Serial No. 624,153
3 Claims. (Cl. 242—75)



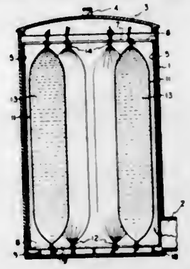
1. In a rewinding machine for rewinding adhesive tape from a supply roll to a rewinding roll, a base, a supply roll support on the base, a rewinding roll support on the base, a peeling roll on the base disposed to receive the adhesive tape from the supply roll, means to rotate the peeling roll, said peeling roll being thereby adapted to withdraw the tape from the supply roll, and to hold the same adhesively but with less force than the adhesive force of the tape on the supply roll, the rewinding roll support being adapted to hold a rewinding roll to receive the tape from the peeling roll, and low torque means to rotate the rewinding roll support, said peeling roll having a serrated surface for limited contact with the tape, the serrations being normal to the axis of rotation.

2,576,711
AMINO-ALDEHYDE RESIN SOLUTIONS AND PROCESSES FOR PREPARING THEM
George Barsky, New York, and Frank A. Strauss, Staten Island, N. Y.
No Drawing. Application February 14, 1951, Serial No. 211,001
12 Claims. (Cl. 260—70)

1. A process of producing a non-aqueous solution of a resinous composition which consists in heating dimethylol urea until substantially complete solution is effected with at least one-seventh of its weight of formaldehyde dissolved in water and having an initial pH value greater than 7.0, then dissolving urea in said solution in such proportion that the molecular ratio of carbamide groupings to methylol groupings present is not less than 1:2.5 and not greater than 1:1.8, then adding to said solution an alcohol chosen from the class consisting of primary and secondary saturated unsubstituted aliphatic alcohols containing not less than three and not more than eight carbon atoms per molecule and dehydrating the solution by distillation at a pH value less than 7.0, the solution being maintained during distillation in a fluid condition by the addition of said alcohol.

2,576,712
POLYMERIZATION OF LIQUID POLYMERIZABLE ORGANIC COMPOUNDS IN ELONGATED SHAPES
John Boyko, Union, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application August 30, 1949, Serial No. 113,132
6 Claims. (Cl. 18—58)

1. In a process of polymerizing a liquid polymerizable organic compound in the form of a rod, the steps comprising introducing said polymerizable compound into a vertically positioned, elongated cylindrical casing of a substantially unoriented synthetic linear polyamide closed at

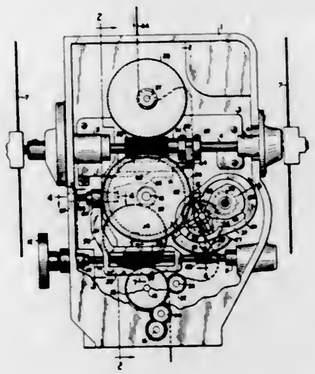


the bottom, the wall of said casing being 0.002 to 0.010 inch thick and having a tensile strength equal to

$$\frac{PDF}{2T}$$

wherein P is the maximum pressure expressed in pounds per square inch, exerted by said polymerizable compound against the wall of said casing, D is the inside diameter, expressed in inches, of said casing, F is a factor ranging from 3.5 to 5, and T is the wall thickness of said casing expressed in inches, closing the upper end of said casing, and thereafter polymerizing said polymerizable compound contained in said casing while maintaining said casing in vertical position in a gaseous medium.

2,576,713
COMPENSATING MECHANISM FOR MOTION-PICTURE MACHINES
Karl Brenkert, Detroit, Mich., assignor to Radio Corporation of America, a corporation of Delaware
Application August 13, 1948, Serial No. 44,192
3 Claims. (Cl. 88—18)



1. In a motion picture projector, a housing, a shutter shaft and a framing shaft journalled therein, a shutter fixed non-slidably on said shutter shaft, an intermittent mechanism connected to the framing shaft including a constantly rotating driving member and an intermittently rotating driven member, said driving member being adjustable about the axis of the driven member, means on said framing shaft for effecting such adjustment, a slide on said framing shaft, means on said framing shaft for moving said slide on rotation of the shaft, a helical gear slidably keyed on said shutter shaft, a driving gear in said housing meshing with said helical gear, a rigid actuator extending from said slide to the helical gear for sliding the latter on its shaft, and an adjusting screw joining said actuator to said slide for adjusting said actuator relatively to said slide in a direction parallel to said shutter shaft.

2,576,714
SLIDE HOLDER FOR PROJECTORS
Chester A. Cox, Cleveland, Ohio
Application March 9, 1948, Serial No. 13,873
8 Claims. (Cl. 88—27)



1. An adaptor for engagement in a projector comprising in combination a carrier member adapted to be mounted on the projector and having a pair of spaced parallel walls, said walls being formed to provide projection openings in alignment with each other and the optical system of the projector, and a slide holder supported removably in said carrier member, a guide pin carried by said slide holder, said spaced walls having diverging extensions and at least one of said extensions being formed to provide a groove for guiding said guide pin into place upon insertion of said slide holder into said carrier member.

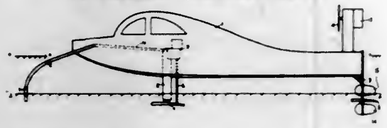
2,576,715
SHIPPING PALLET
James A. Farrell, Detroit, Mich.
Application January 31, 1947, Serial No. 725,448
6 Claims. (Cl. 248—120)



3. In a load supporting shipping pallet formed of fiber board sheet material folded and secured into a substantially closed hollow box-like structure of rectangular formation having relatively wide parallel top and bottom sections and relatively narrow vertical side wall sections connected to the top and bottom sections, a strengthening member in the hollow interior of said pallet formed from a single sheet of fiber board having successive portions thereof bent at right angles to one another to form a hollow open ended cell of rectangular cross section, said cell having a vertical height such that the top and bottom portions thereof respectively engage the top and bottom sections of the pallet, and a pair of similarly shaped bracing inserts in the hollow interior of the cell each formed from a single sheet of fiber board having successive portions thereof bent relative to one another to form a hollow insert of triangular cross section, said pair of inserts being arranged in the cell in complementary opposed relation on opposite sides of a plane diagonally

dividing the cell and substantially occupying the entire cross sectional area of the cell to assist the cell in carrying loads imposed thereon.

2,576,716
HYDROFOIL BOAT
Neil William Gardiner, Great Auclum, Burghfield Common, England
Application November 9, 1948, Serial No. 59,135
In Great Britain November 12, 1947
40 Claims. (Cl. 114—66.5)



1. Apparatus for a boat having a hydrofoil, comprising predictor means rigidly mounted with relation to the boat adapted to travel at least partially submerged under the water ahead of the boat, and including electrical means for producing a signal upon a change in level of the water surface relative to said predictor means, in combination with an actuating mechanism connected to the hydrofoil and adapted to receive the signal from said predictor means and varying the angle of attach of said hydrofoil, whereby the boat is caused to follow the undulations of the water surface.

2,576,717
SUCTION CLEANER FILTER
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 3, 1947, Serial No. 771,967
3 Claims. (Cl. 183—51)

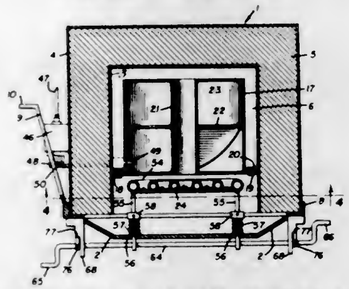


1. In a suction cleaner, a dirt filtering bag having an opening for emptying collected dirt, suction creating means for moving an air stream from the interior of said bag and through the wall thereof to remove the dirt in said air stream, said filter bag being of fibrous material including in its structure relatively long fibers projecting from the body of the material to form the exterior surface of said bag, said material including relatively short fibers projecting from the body of said material to form the inside surface of the bag, said short fibers initially contacting said air stream to remove dirt therefrom, said short fibers providing a relatively smooth surface interiorly of the bag for easily dislodging the collected dirt through said bag opening.

2,576,718
METHOD OF TESTING FOR THE PRESENCE OF BRINE IN WELLS
Fred R. Holland, Fort Worth, Tex.
No Drawing. Application January 8, 1949, Serial No. 69,987
3 Claims. (Cl. 23—230)

1. The method of testing for the presence of brine in a well, comprising the steps of: adding 1 to 1½ ounces of copper salt to each gallon of a quantity of 10 degree Baumé hydrochloric acid, spending said acid containing said copper salt by contacting the same with the formation of the well bore, adding 1 ounce of 18 to 20 degree Baumé hydrochloric acid to a gallon sample of the spent acid from the well, and contacting the resulting mixture with a ferrous body whereby a precipitate of copper will appear on said body if said sample does not contain well brines therein.

2,576,719
GAS-BURNING AIR- AND WATER-HEATING FURNACE WITH THERMOSTATIC CONTROL
Dellie B. Koser, Detroit, Mich.
Application January 21, 1947, Serial No. 723,237
5 Claims. (Cl. 126—101)

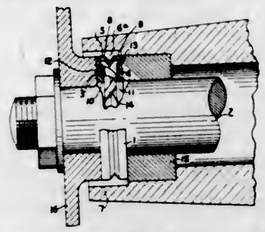


1. In a furnace of the class described, a casing forming a combustion chamber, a gas burner in the bottom of said chamber, means in said chamber above said burner for deflecting flame issuing from the burner laterally of the burner, a hot water storage tank, a hot water back in said combustion chamber in surrounding relation to said burner and connected to said tank, means supporting said water back for vertical adjustment toward and away from the deflected flame, temperature responsive means responsive to variations in the temperature of the water in said tank, and means operatively associated with and under control of said temperature responsive means to adjust said water back vertically toward the deflected flame when the temperature in said tank decreases and away from said flame when the temperature in said tank increases.

2,576,720
GRANULAR POLYMERIZATION OF POLYMERIZABLE LIQUID ORGANIC COMPOUND IN THE PRESENCE OF A HYPOPHOSPHITE
Barnard M. Marks, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1949, Serial No. 100,540
4 Claims. (Cl. 260—89.5)

1. In the granular polymerization of a polymerizable liquid ethylenically unsaturated organic compound suspended in an aqueous vehicle, the step of carrying out said polymerization in the presence of a hypophosphite from the group consisting of sodium and potassium hypophosphites, as an anti-clustering agent and an organic azo compound containing an acyclic azo, —N=N—, group having bonded to each nitrogen a discrete carbon atom of the class consisting of aliphatic and cycloaliphatic carbon atoms, at least one of said discrete carbon atoms being tertiary and one of the carbon atoms bonded to said tertiary carbon atom having its remaining valences satisfied only by elements of the class consisting of oxygen and nitrogen, as a polymerization catalyst.

2,576,721
OIL SEAL
Thomas Edward Nelson, Pontiac, Mich.
Application June 12, 1948, Serial No. 32,621
2 Claims. (Cl. 286—11)



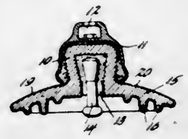
1. An oil seal between a stationary flat surface and a rotating flat surface on a rotatable shaft, comprising an annular member formed of resilient composition material and being M-shaped in cross section, opposed inturned annular flanges projecting from the ends of the legs thereof, said annular member being positioned around said shaft between the stationary flat surface and the rotating surface so that the outer surfaces of the annular member at its opposite sides cooperatively bear against said flat surfaces, and the outer circular surfaces of said flanges cooperatively bear against said shaft, longitudinally spaced washers bearing upon the inner surfaces of said annular member, being centered by and supported over said flanges which centrally project through said washers, and a wave spring of circular form within said annular member and alternately contacting said washers at spaced points throughout their respective inner surfaces.

2,576,722
CHLORO-ANACARDIC POLYMERS AND METHODS OF MAKING THE SAME
Emil E. Novotny, Prospectville, and George K. Vogelsang, Cheltenham, Pa., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 16, 1949, Serial No. 99,576
9 Claims. (Cl. 260—46)

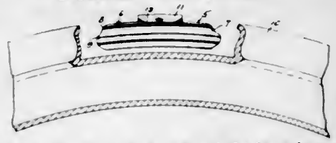
1. The method of preparing chloro-anacardic polymers which comprises heating a substantially monomeric chlorinated anacardic material having a chlorine content of between 10% and 30% to a temperature between 240° and 350° F. until the mean molecular weight has increased to at least double that of the original chloro-anacardic material, the said heat being used as the sole agent to effect the polymerization.

2,576,723
ELECTRIC INSULATOR HAVING POTENTIAL DROP CONTROLLING MEANS
George Perrins, Newcastle under Lyme, England, assignor to Bullers Limited, London, England, a British company
Application May 2, 1949, Serial No. 90,912
In Great Britain October 11, 1946
2 Claims. (Cl. 174—140)

2. A high voltage electric insulator arranged for connection between two metal electrodes for controlling the potential drop across the electrodes, the surface of which insulator is provided with two high resistance coating bands arranged end to end between the two electrodes, so that each contacts over substantially the whole of its area with the surface of the insulator, and is out of contact over substantially the whole of its area with the other band, one of which coatings has a positive temperature coefficient of resistance, the other a negative temperature coefficient of resistance, which band resistances are arranged to provide between them a resistance the value of which is independent of the changes of temperature.

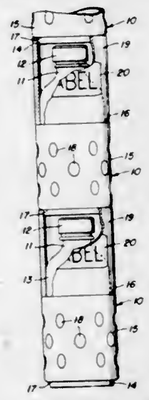


2,576,724
AUTOMOBILE WHEEL-BALANCE WEIGHT
Harry E. Powell, Kokomo, Ind.
Application June 26, 1947, Serial No. 757,218
1 Claim. (Cl. 301—5)



In a wheel rim and wheel balancing weight combination an elongated body portion curved longitudinally in the arc of a circle corresponding to the curvature of the rim, the body portion having an inner surface positioned against the wheel rim, the inner surface of the body portion having a longitudinal groove extending throughout the entire length thereof defining spaced upper and lower rim contacting edges, a spring clip connected with the body portion curved around the edge of the rim, and the free edge of the clip contacting the rim at a point directly opposite to the center of the longitudinal groove.

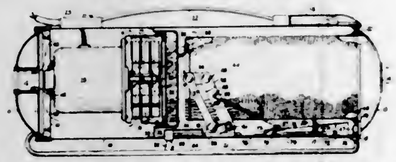
2,576,725
BOTTLE PACKAGE
Norman A. Schoelles, West Englewood, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1948, Serial No. 35,674
6 Claims. (Cl. 215—10)



1. A commercial package adapted to be stacked with similar packages, comprising a bottle having body and neck portions, said body portion

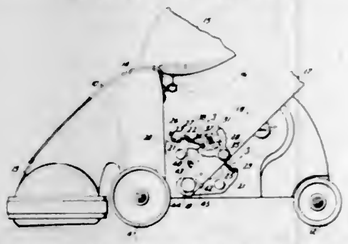
including an abutment projecting from the side of the body portion and facing the neck portion, and said neck portion carrying a closure member; a sleeve of stiff material surrounding the neck portion and closure member, spaced from the latter member, and fitting snugly over, and being slidable in axial direction upon, said body portion with one end engaging said abutment and the opposite end extending beyond said neck portion and closure member; said bottle having a base shaped and dimensioned to enter said opposite end of the sleeve, slidably in axial direction; and means limiting insertion of said base into said opposite end of the sleeve to a point within the sleeve but short of the space occupied by said neck portion when the sleeve engages said abutment.

2,576,726
SUCTION CLEANER
Louis E. Segesman, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 3, 1946, Serial No. 701,030
7 Claims. (Cl. 183—58)



1. In a suction cleaner, a casing, a filter in said casing, filter-supporting means, resilient means normally urging said filter-supporting means in one direction to maintain said filter in one position, filter-shaking means including movable engaging means, connecting means for connecting said filter-supporting means to said engaging means, said engaging means applying a force through said connecting means to collapse said filter in opposition to said resilient means, releasing means for releasing said connecting means from said engaging means after said filter is collapsed to permit said resilient means to return said filter to said one position, guide means forming part of said release means and having a slotted portion receiving said engaging means to guide the latter during its operation, and actuating means for moving said engaging means and said releasing means with respect to each other.

2,576,727
HANDLE CONTROL FOR SUCTION CLEANERS
Louis E. Segesman, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 8, 1948, Serial No. 37,705
4 Claims. (Cl. 306—13)

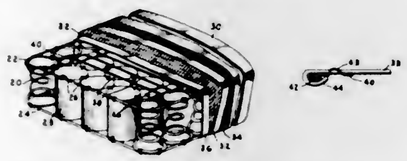


1. In a suction cleaner, a body, a handle pivotally mounted on said body, means having spaced recessed portions defined by projections representing different extents of adjusted handle movement between adjacent projections, lever means having detent means engageable with said projections to limit the range of adjusted handle movement with respect to said body, said projections and lever means being supported on said handle and body, stop means to prevent engagement of said detent means with the surface of said recessed portions between adjacent projections during movement of said handle between such projections, and resilient means engaging said lever means to resiliently prevent movement of said detent means beyond said projections unless a force is exerted on said handle to move said detent means over a projection into another range of adjusted handle position.

2,576,728
CHLORINE OXIDATION OF BILE ACIDS
Richard J. Servis, Averill Park, Richard H. Carroll, Old Chatham, and Benjamin Franklin Tullar, East Greenbush, N. Y., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 19, 1950, Serial No. 163,088
3 Claims. (Cl. 260—397.1)

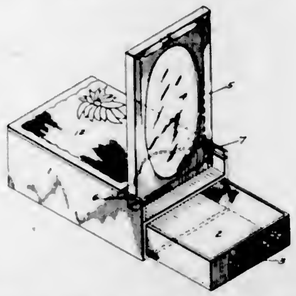
1. The process for oxidizing a nuclearly hydroxylated bile acid to a bile acid having at least one nuclear carbonyl group which comprises treating an aqueous solution containing an alkali metal salt of a member of the group consisting of cholic acid and cholic acid esterified in the 3-position with chlorine in the presence of a member of the group consisting of a water-soluble metallic bromide and a water-soluble metallic iodide, while maintaining the reaction mixture weakly basic, acidifying the reaction mixture and isolating the resulting ketonic bile acid.

2,576,729
SPRING LINER ASSEMBLY
Newton E. Shockey, Detroit, Mich., assignor to Van Dresser Specialty Corporation, Van Dyke, Mich., a corporation of Michigan
Application August 4, 1948, Serial No. 42,463
2 Claims. (Cl. 155—181)



1. An upholstery spring cover adapted to overlie a cushion spring assembly comprising, in combination, a plurality of reinforcing stiffening members disposed in a row in spaced apart substantially parallel relationship, a pair of flexible strips extending along the opposite margins of said row of members and thereunderneath, each strip being folded over along its outer margin, each member having its opposite ends bent over the folds of said strips, each strip provided with an upwardly projecting fold extending parallel to its marginal fold and spaced between its marginal fold and the opposite margin of the strip, each of said members extending through the upwardly projecting fold of each strip with both margins of the strips disposed underneath the members.

2,576,730
VANITY BOX
Guy M. Thompson, Birmingham, Ala.
Application February 23, 1950, Serial No. 145,714
1 Claim. (Cl. 132—83)



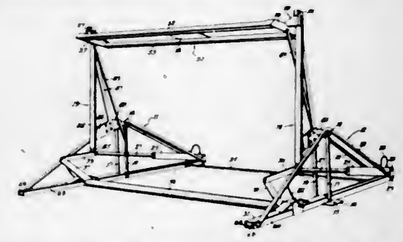
In a vanity box of the character described, a framed mirror, said mirror mounted slidably in the upper portion of the box, a groove in the inner face upper portion of each side wall of the box, a pin fixed in each side of one end portion of the mirror frame, the free ends of said pins being slidable in said grooves, one of said grooves terminating short of one end of the box the said end being the front thereof, the opposite groove terminating flush with the same end of the box, a peg equal in length to the non-extended portion of the said shorter groove, said peg being removably inserted in the end of the groove that ends flush with the box end and being adapted to retain the mirror in position for use.

2,576,731
METHOD OF PREPARING A FUNGICIDAL PREPARATION UTILIZING MAGNESIUM HYDROXIDE
Alfred M. Thomsen, San Francisco, Calif.
No Drawing. Application November 19, 1948, Serial No. 61,113
2 Claims. (Cl. 167—16)

1. The method of preparing a fungicidal preparation which comprises; commingling a water suspension of magnesium hydroxide with a sufficient amount of a soluble metallic sulphate selected from the group consisting of copper and zinc to convert less than one-half of the resident magnesium into the soluble sulphate; adding a sufficient amount of calcium hydroxide to precipitate the soluble magnesium salt produced in the former reaction, the resident sulphate thus being converted into calcium sulphate.

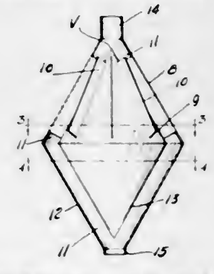
2,576,732
TRUCK AND WAGON HOIST
Raymond M. Ulrich, Roanoke, Ill.
Application July 21, 1948, Serial No. 39,941
5 Claims. (Cl. 254—91)

1. A vehicle hoist comprising a pair of parallel triangular frame members formed of tubular material, a portion of which serves as a hydraulic conduit, a pivoted lifting lever mounted at the apex of each frame member, each lever being of the bell crank type, a hydraulic cylinder and piston mounted on each frame member and connected to a lifting lever, an equalizing crank interconnecting said levers, said crank having a rotational axis located in the proximity of the base of said frame members, a hydraulic conduit interconnecting said frame members, a flexible conduit interconnecting each cylinder with the conduit portion of its associated frame, and



a cradle mounted between the free ends of said levers for engaging both wheels of a vehicle axle.

2,576,733
MIXING AND BLENDING APPARATUS
Samuel H. Vasold, Bridgeport, Mich.
Application June 15, 1950, Serial No. 168,180
2 Claims. (Cl. 259—180)



1. A non-segregating mixing and blending apparatus comprising concentrically arranged pairs of spaced-apart inner and outer conical shells secured together at their bases to form a single unit, with a continuous passage between said pairs of shells and extending from end-to-end of said apparatus, and a plurality of radially disposed spaced-apart straight baffles provided in the passage in the upper pair of inner and outer conical shells and spacing them from each other.

2,576,734
ACCESS DOOR AND METHOD OF MAKING AND MOUNTING THE SAME
Edward H. Voelker, Huntington Station, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application July 29, 1949, Serial No. 107,533
12 Claims. (Cl. 20—40)



1. The combination with a body formed of acrylic resin and having an access opening therein, of a supporting ring associated with the lip of said opening consisting of a mounting section disposed in registration with the opening to overlie and be integrally united with the surface of the body adjacent said opening and a flange projecting into and circumscribing the opening, said supporting ring being a unit fabricated of woven cloth impregnated with and surrounded by acrylic resin, a door to be removably posi-

tioned within said opening and mounted on a flange of the supporting ring consisting of a plate of acrylic resin, a reinforcing ring fabricated of woven cloth impregnated with and surrounded by acrylic resin integrally embedded in one surface of the plate at the edge thereof, screws piercing the reinforcing ring and the edge portion of the door as well as the flange of the supporting ring, and nuts disposed adjacent that surface of the flange in opposition to the door for cooperation with said screws to removably secure the door to the flange of the supporting ring.

2,576,735

NITROGENOUS RESINS FROM KETONE-ALDEHYDE-NITROGENOUS BASE AND PHENOL-ALDEHYDE

George Karl Vogelsang, La Mott, Pa., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 21, 1948, Serial No. 55,829
12 Claims. (Cl. 260—43)

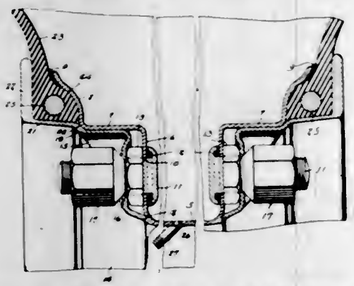
1. An uncured nitrogenous resin comprising the reaction product between a potentially reactive phenol-aldehyde condensation product and a fusible, soluble, substantially non-resinous and substantially non-volatile reactive amine resulting from the reaction between a ketone-aldehyde condensation product and an unsubstituted nitrogenous base, said ketone-aldehyde condensation product being selected from the class consisting of the fusible, soluble, substantially non-resinous and substantially non-volatile reactive condensation products produced by reacting a ketone having the general formula $CH_3—CO—R_1$, wherein R_1 represents an unsubstituted aliphatic hydrocarbon radical having from one to four carbon atoms, with an aldehyde having the general formula $R_2—CHO$, wherein R_2 represents a member selected from the group consisting of hydrogen and unsubstituted aliphatic hydrocarbon radicals having from one to four carbon atoms, said nitrogenous base possessing an ionization constant of not less than 1×10^{-6} and containing at least one reactive hydrogen atom attached to a basic nitrogen atom, said reaction being carried out in the presence of heat.

2,576,736

WHEEL

Charles L. Watkins, Corsicana, Tex.

Application May 23, 1949, Serial No. 94,787
1 Claim. (Cl. 152—397)



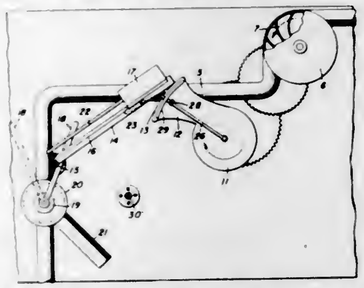
A vehicle wheel including a wheel rim having a dropped center the side walls of which are parallel with each other and with the plane in which the wheel lies, an annular side portion integral with each side wall and extending laterally and outwardly from the dropped center portion substantially at right angles to said side walls, and outwardly and obliquely extended marginal flanges integral with the respective side portions; retaining bands mounted upon said rim at opposite sides thereof, said retaining bands including annular inner portions approximately parallel to the side walls of the dropped center portion of the rim, marginal extensions underlying and having slidable contact with the side portions of the rim, and clamping flanges substantially parallel with the side walls of the dropped center portion of the rim, said clamping flanges marginal extensions and obliquely extended marginal flanges of the wheel rim defining annular recesses of approximately triangular cross sectional configuration for clamping of a correspondingly shaped tire bead; and means carried by and extending outwardly from the respective side walls of the dropped center portion and engaging said retaining bands for drawing said retaining bands toward the side walls and slidably adjusting the marginal extensions of the retaining bands along the side portions of the wheel rim to clamp a tire bead in said recess.

2,576,737

AUTOMATIC FLUID SAMPLING DEVICE

Clifford A. Wendel, Butte, Mont.

Application January 31, 1949, Serial No. 73,764
7 Claims. (Cl. 73—422)



1. A sampling mechanism for pipe lines comprising the combination of a pipe having a branch, a valve diverting liquid from the pipe to the branch, and operating means for the valve and including a rotor operated by fluid flowing in the pipe, a cam operated by the rotor, an operating lever for the valve, a vertically swingable member controlled by the cam, and a gravity actuated slide on the swingable member engaged with the lever for actuating the latter in an opening and closing movement.

2,576,738

GOLD ALLOYS

Joseph M. Williams, Attleboro Falls, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

No Drawing. Application April 21, 1949, Serial No. 88,905
6 Claims. (Cl. 75—134)

1. A gold alloy composed of gold, about 33 to 84%; iron, about .05 to 4.95%; nickel, about .05 to 4.95%; at least one metal selected from the group consisting of silver, zinc, and cadmium each in an amount in the range of 2–10%; and balance copper but not less than about 10.7%; all by weight with the combined weight of iron and nickel not exceeding 5%.

2,576,739

GOLD ALLOYS

Joseph M. Williams, Attleboro Falls, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

No Drawing. Application April 26, 1950, Serial No. 158,319
5 Claims. (Cl. 75—134)

1. A gold alloy composed of the following metals in about the stated proportions:

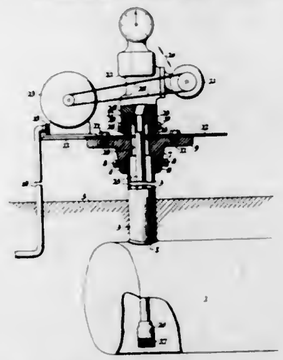
	Percent
Gold	33.00
Copper	64.50
Iron	1.25
Nickel	1.25

2,576,740

GASOLINE DISPENSING PUMP

Ronald M. Wilson, Ambler, Pa.

Application April 19, 1947, Serial No. 742,526
4 Claims. (Cl. 222—382)



1. In a liquid dispensing apparatus, for attachment to an underground storage tank of the liquid, including a tubular standard, the combination of a detachable motor-mounting assembly with a dependent socket fitting engageable on the tubular standard free end and an axially aligned oppositely directed collar; a combined pump and metering unit, said unit including a suction pipe for passage through the tubular standard into the storage tank and socket engagement on the motor-mounting assembly collar; means for removably attaching the motor-mounting assembly socket fitting to the free end of the tubular standard; and similar means for securing the combined pump and metering unit to the motor-mounting assembly collar, whereby said combined unit together with the suction pipe are detachable from the motor-mounting assembly or all of said parts, in assembly, are similarly detachable from the storage tank tubular standard free end.

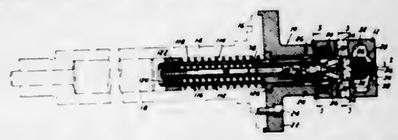
2,576,741

CHUCK FOR HOLDING PISTONS

Thomas A. Witek, Detroit, Mich., assignor to Improved Tool & Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application January 26, 1950, Serial No. 140,593
8 Claims. (Cl. 279—2)

4. A chuck for holding a piston to permit the machining thereof comprising, in combination, a body portion shaped to enter the hollow interior of a piston, a set of jaws carried by the body portion of the chuck operable to engage a piston and draw the same upon the chuck and to hold the same on the chuck for joint rotation therewith, a second set of jaws carried by the body portion of the chuck operable to engage the skirt portion of the piston and center the piston on the chuck, a reciprocating control member operatively associated with each set of jaws and adapted upon movement in one direction to cause the set of jaws with which it is associated to engage the piston, spring means tensioned between said control members and operable to move one of the members relative to the



other member in the direction to effect engagement of its set of jaws with the piston, and a second spring means tensioned between the other control member and a fixed part of the chuck and operable to move the member in the direction to effect engagement of its set of jaws with the piston, said second spring means being of greater strength than said first spring means and overcoming the first spring means when the control member with which the latter is associated discontinues further movement in jaw engaging direction.

2,576,742

SCREW HOLDING SCREW DRIVER

Joseph Wolny, Boulder, Colo.

Application November 20, 1947, Serial No. 787,094
2 Claims. (Cl. 145—52)



1. In a screw driver, a shank having a blade at one end thereof, a screw gripping member including yieldable arms, slidably mounted on the shank, opposed screw gripping jaws at the free ends of the arms, means for moving the screw gripping members longitudinally of the shank, an arm pivotally secured to the inner surface of one of said yieldable arms, one end of the pivoted arm being extended laterally over said jaws for engagement with the upper surface of a screw head, cooperating with the screw gripping arms in clamping the screw head, said end of the pivoted arm having a slot disposed inwardly from one edge thereof, through which the blade of the screw driver extends, whereby the screw driver blade is held within the slot of the screw held between the jaws.

2,576,743

PREPARATION OF 4-ETHYLCYCLOHEXENE

Owen Clement Wentworth Allenby, McMasterville, Quebec, Canada, assignor to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Application May 9, 1947, Serial No. 747,129. In Canada August 16, 1946
2 Claims. (Cl. 260—666)

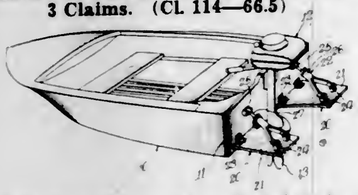
1. A process for the preparation of 4-ethylcyclohexene which comprises reacting 4-vinylcyclohexene with hydrogen in the presence of a nickel catalyst and an aliphatic alcohol selected from the group consisting of methanol and ethanol at 10–20° C. until slightly more than 1 mole of hydrogen has been absorbed for each mole of 4-vinylcyclohexene.

2,576,744

EXTENSION ATTACHMENT FOR BOATS

Emil S. Anderson, Chicago, Ill.

Application July 24, 1947, Serial No. 763,254
3 Claims. (Cl. 114—66.5)



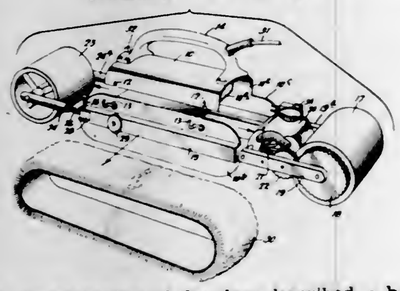
1. An attachment for an outboard motor boat of the type having a substantially flat bottom and a transom extending upwardly from the rear edge of the bottom, said attachment comprising a pair of plates adapted to extend rearwardly from the transom on opposite sides of the motor adjacent the bottom of the boat and providing a plane surface constituting an extension of the bottom, hinge means mounted at the front edge of said plates for pivotally connecting the plates to the transom, and a pair of braces for the respective plates, each having the shape of an inverted Y with the ends of the arms of the Y pivotally connected to one of the plates adjacent opposite side edges thereof, the stem of the Y being adapted to be pivotally secured to the transom and having a telescoping construction to provide for adjustment in length, whereby the angular relation of the plates to the bottom of the boat may be adjusted to attain longitudinal balance for the boat.

2,576,745

MACHINE FOR BUFFING, SANDING, AND THE LIKE

Howard L. Auten, East Peoria, Ill.

Application September 30, 1949, Serial No. 118,938
9 Claims. (Cl. 51—170)



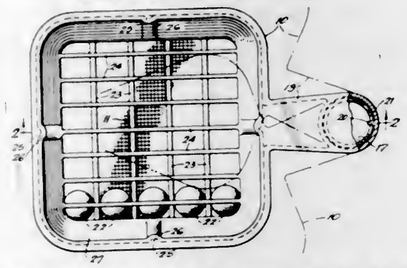
1. In apparatus of the class described, a housing comprising a pair of longitudinal track members, a carriage having a pair of side rails adapted to ride on the track members, said carriage carrying a driven roller and having an electric motor mounted between the rails and mechanically coupled to the roller for rotating the same, an idler roller mounted between the track members at the opposite end of the housing and adapted to support an endless belt in co-operation with the driven roller, and spring tensioning means tending normally to urge the two rollers apart.

2,576,746

SIFTER HAVING AGITATOR BODIES

James F. Barnes, Chicago, Ill.

Application June 1, 1948, Serial No. 30,424
3 Claims. (Cl. 209—323)



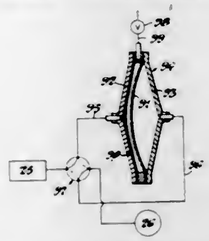
1. A sifter, comprising a vessel which is generally square-shaped in horizontal cross section, a handle extending laterally from one side of said vessel, said vessel having an open bottom, a screen mounted in said bottom of the vessel, a partition wall extending over said screen and upwardly therefrom and generally through a central portion of the screen, a reticulate frame carried by said vessel above said partition and supporting the upper portion of said partition wall, depending guides carried by said frame and extending transversely of said vessel to form with said partition wall two rows of parallel transverse guideways, and a single ball in each guideway, whereby said balls can be caused to strike the sides of said vessel and thereby vibrate said screen by rapidly moving said sifter through a generally horizontal plane and then suddenly ceasing the movement thereof.

2,576,747

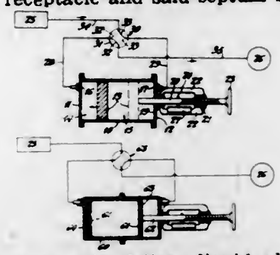
LIQUID DISPENSER WITH MEANS TO VARY A MEASURED DISCHARGE

Austin U. Bryant, Berkeley, Calif.

Application January 24, 1946, Serial No. 643,036
4 Claims. (Cl. 222—250)



1. A device for dispensing liquid in measured quantities, comprising: a receptacle; a flexible septum means movably mounted in said receptacle for dividing said receptacle into two chambers, each of said chambers being provided with a port; a selector valve operative to alternately connect one of said ports to a supply of liquid and the other of said ports to a point of delivery whereby to effect relative movement between said receptacle and said septum means in



opposite directions to deliver liquid alternately from each of said chambers; and hydraulic means for adjusting the extent of relative movement between said receptacle and said septum means in all positions of the latter to vary the amount of liquid delivered from said ports.

2,576,748

ANTENNA STRUCTURE

Gershom N. Carmichael, Griggsville, Ill.

Application May 15, 1948, Serial No. 27,202
14 Claims. (Cl. 250—33)



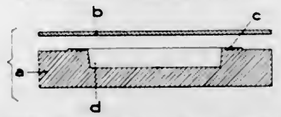
1. A radio antenna having a single cage-like active section comprising an interior rod-like electrically active antenna element and a plurality of exterior rod-like elements disposed to encase said interior element and lying in more than one plane and connected at their ends to said interior element.

2,576,749

METHOD OF PRODUCING LIGHT AND RESISTANT CELLULAR BODIES

Pascal J. Carpentier, Paris, France

Application May 5, 1948, Serial No. 25,288
In France May 9, 1947
6 Claims. (Cl. 18—47.5)



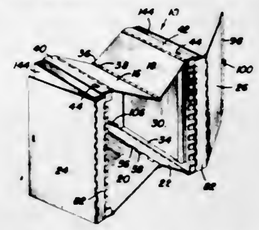
1. The method of forming cellular products which comprises mixing a polyvinyl resin with azo-iso-butyric dinitrile and phenyl-mono-isocyanate, all in a substantially dry state, heating said mixture in a mold in the substantial absence of air to a temperature high enough to decompose said azo-iso-butyric dinitrile and thereby to liberate gas within said thermoplastic material, cooling said material and removing it from the mold, heating it in an oven to a temperature of about 110° C., allowing it to cool to secure an initial cellular structure and then subjecting it to the action of water vapor at an elevated temperature to react with said phenyl-isocyanate, whereby carbon dioxide is liberated within the initially formed cell structure, and the mass is further expanded.

2,576,750

COLLAPSIBLE CABINET

Willie V. Clark, Washington, D. C.

Application January 6, 1950, Serial No. 137,184
5 Claims. (Cl. 312—259)



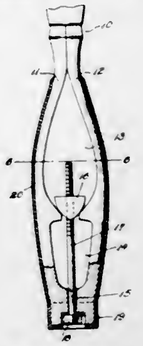
3. A collapsible cabinet comprising a pair of hingedly connected upper wall sections, a pair of hingedly connected lower wall sections, a pair of end walls, means detachably and hingedly securing the upper wall sections to the end walls, further means detachably and hingedly securing the lower wall sections to the end walls, a pair of forward wall sections, said end walls having forward and rear edges and a plurality of spaced parallel slits extending inwardly through said edges to define a plurality of tongues between adjacent slits, the outer edges of alternate tongues being bent upon themselves to provide hinge sleeves, and the remaining tongues being bent perpendicular to the end walls to form supports, means pivotally securing the forward wall sections to the hinge sleeves at the forward edges of said end walls, a pair of rear wall sections, means pivotally securing the rear wall sections to the hinge sleeves at the rear edges of the end walls, and shelves supported on said support-forming tongues.

2,576,751

EXPANSIBLE TOOL HANDLE

Paul H. Dortmund, Columbus, Ohio

Application December 29, 1945, Serial No. 637,991
5 Claims. (Cl. 145—61)



4. An expansible implement handle comprising a pair of independent resiliently separable gripping sections arranged in longitudinally extending opposed order socketed means connected with the respective ends of said sections for rigidly holding the respective ends of said sections against separation, said sections being recessed along their intermediate opposed surfaces and forming in said handle an opening having longitudinally tapered side walls, a wedge-shaped element carried between the side walls of said opening and movable longitudinally of said opening

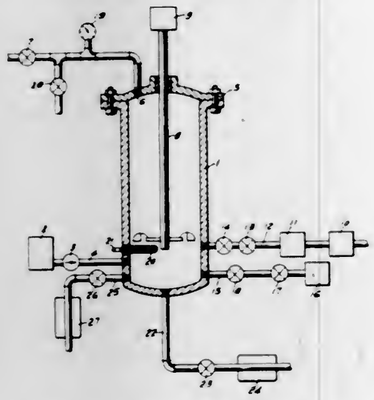
for resiliently separating the intermediate portions of said sections, a threaded shaft accessible from one of said gripping sections and having threaded engagement with said wedge-shaped element and operable to move the latter longitudinally of said opening, and a covering of elastic material surrounnding the intermediate outer portions of said gripping sections.

2,576,752

METHOD OF PRODUCING VANILLIN

John Henry Fisher, St. Catharines, Ontario, and Harry Borden Marshall, Toronto, Ontario, Canada, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada

Application January 7, 1949, Serial No. 69,815
In Canada August 11, 1948
11 Claims. (Cl. 260—600)



1. A method of producing oxidation products including the calcium derivative of vanillin from lignosulfonic acid compounds in an alkaline aqueous medium containing lime as the active alkali in an amount sufficient to maintain the pH of the reaction mixture determined on a sample withdrawn from the reaction zone and cooled to room temperature in the range not less than 12 to not more than that of a saturated solution of lime in the same mixture, which comprises introducing said compounds into a reaction zone, heating the reaction mixture to a temperature not less than 120° C., nor more than 200° C., maintaining said zone under super-atmospheric pressure, continuously passing a gas containing free oxygen in finely dispersed form through said reaction zone, continuously removing residual gas, the rate of addition and removal of said gas being such as to maintain a partial pressure of oxygen in said zone of less than 20 lb. per square inch, the time of said reaction being less than four hours.

2,576,753

METHOD OF PRODUCING VANILLIN

John Henry Fisher, St. Catharines, Ontario, and Harry Borden Marshall, Toronto, Ontario, Canada, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada

No Drawing. Application January 7, 1949, Serial No. 69,816. In Canada August 11, 1948
4 Claims. (Cl. 260—600)

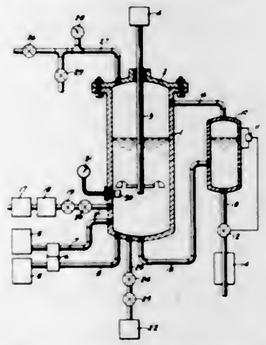
1. A method of producing oxidation products including the calcium derivative of vanillin from lignosulfonic acid compounds, the initial lignin concentration of such compounds in an alkaline aqueous medium, measured as herein prescribed, being not more than 38 grams per litre nor less than 10 grams per litre, the said medium containing lime as the active alkali in an amount sufficient to maintain the pH of the reaction mixture determined on a sample withdrawn from the reaction zone and cooled to room temperature in the range not less than 12 to not more than that of a saturated solution of lime in the same mixture, which comprises introducing said compounds into a reaction zone, heating the reaction mixture to a temperature not less than 120° C., nor more than 200° C., maintaining said zone under super-atmospheric pressure, continuously passing a gas containing free oxygen in finely dispersed form through said reaction zone, continuously removing residual gas, the rate of addition and removal of said gas being such as to maintain a partial pressure of oxygen in said zone of less than 20 lb. per square inch, the time of said reaction being less than four hours.

2,576,754

METHOD OF PRODUCING VANILLIN

John Henry Fisher and Charles A. Sankey, St. Catharines, Ontario, Canada, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada

Application January 7, 1949, Serial No. 69,817
In Canada August 11, 1948
8 Claims. (Cl. 260—600)



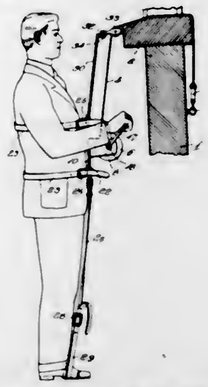
1. A method of producing oxidation products including the calcium derivative of vanillin from lignosulfonic acid compounds in an alkaline aqueous medium containing lime as the active alkali in an amount sufficient to maintain the pH of the reaction mixture, determined on a sample withdrawn from the reaction zone and cooled to room temperature in the range not less than 12 to not more than that of a saturated solution of lime in the same mixture, which comprises introducing said compounds into a reaction zone, heating the reaction mixture to a temperature not less than 120° C., nor more than 200° C., maintaining said zone under superatmospheric pressure, continuously passing a gas containing free oxygen in finely dispersed form through said reaction zone, continuously removing residual gas, the rate of addition and removal of said gas being such as to maintain a partial pressure of oxygen in said zone of less than 20 lb. per square inch, the time of said reaction being less than four hours, the reactants being continuously introduced into, and the reaction products being continuously removed from, the agitated reaction mixture.

2,576,755

FIRE ESCAPE LIFE REEL

Alex F. Gaskins, North A. Gaskins, and Gertrude D. Gaskins, New Bern, N. C.

Application March 3, 1947, Serial No. 731,911
2 Claims. (Cl. 254—154)



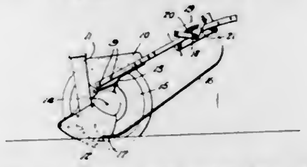
1. A fire escape comprising a plate, means for securing said plate against the front of a person, resilient arms extending forwardly from said plate and spaced from each other transversely of the plate, openings being formed through front end portions of said arms, the opening in one arm being threaded and the other opening unthreaded, a spool between said arms formed with an axially extending bore aligned with the openings in the arms, a shaft passing through the unthreaded opening and the bore of said spool and having a threaded end portion passing through the threaded opening and engaged with the threads thereof, a collar about said shaft engaging the outer side face of the other arm and applying compressing pressure to cause gripping of the spool between the arms when the shaft is turned in a tightening direction, a bar of stiff metal secured to said plate midway the width thereof and extending upwardly from the plate and bent adjacent its upper end to form a forwardly projecting finger, a pulley carried by and extending forwardly from said finger, and a cable wound about said drum extending upwardly therefrom and forwardly about said pulley and carrying a hook at its outer end.

2,576,756

SEEDER ATTACHMENT

Joseph Greaves, Toston, Mont.

Application August 26, 1948, Serial No. 46,289
1 Claim. (Cl. 97—190)



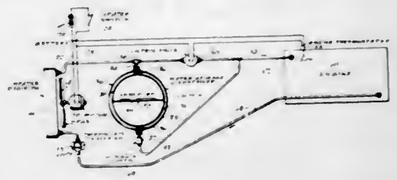
An attachment for the draw bar of a disc seeder, comprising a spring steel gage runner having its forward end curved on a circular radius, a clamping member adapted to receive the forward curved end of the gage runner, said clamping member comprising a rectangular block having a curved groove in one face thereof which groove receives the forward curved end of the gage, the groove being of a depth slightly less than the thickness of the gage runner, and a V-shaped holding member having spaced openings therein, the clamping block having openings registering with the openings in the V-shaped holder, and fastening members engaging the clamping block and V-shaped holder to draw the latter into clamping position to hold the gage runner in adjusted position on the draw bar of the seeder.

2,576,757

VEHICLE HEATING SYSTEM

Seymour E. Heymann, Los Angeles, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application September 10, 1949, Serial No. 114,997
12 Claims. (Cl. 237—8)



1. A heating system for a vehicle powered by a liquid cooled internal combustion engine, said system comprising a radiator for heating air, a liquid flow line extending from said engine to said radiator for heating said radiator from said engine, a return line extending from said radiator to said engine, means forming a heat storage device connected in the flow line from the engine to said radiator, said heat storage device being adapted to accumulate engine heat while the vehicle engine is in operation at high temperature and to supply heat to said radiator when the engine is operating at low temperature, means insulating said heat storage device to reduce the heat lost therefrom to an extremely low rate, and valve means to prevent flow to and from said heat storage device when the pressure differential thereacross is slight and is due principally to temperature differences within the system, said valve means being adapted to open to permit flow in either direction when the pressure differential thereacross is substantially greater than that due to said temperature differences.

2,576,758

SYSTEM FOR PREVENTING TRANSIENTS IN PHOTOELECTRIC MUSICAL INSTRUMENTS

Edward M. Jones, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio

Application January 4, 1949, Serial No. 69,081
21 Claims. (Cl. 84—1.18)



1. The method of producing electric pulsations devoid of transient and steady state direct components, comprising photoelectrically generating a first current having alternating and direct com-

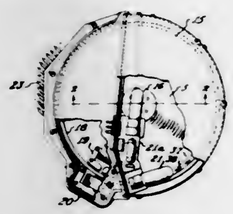
ponents, simultaneously photoelectrically generating a second current having an alternating component differing from said alternating component in said first current and a direct component of a magnitude substantially equal to that of said direct component in said first current, and electrically subtracting said currents one from the other to cancel said direct components.

2,576,759

METHOD AND MEANS FOR PRODUCING TUNES AND VOICES PHOTOELECTRICALLY

Edward M. Jones, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio

Application September 22, 1949, Serial No. 117,239
48 Claims. (Cl. 84—1.18)



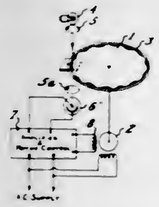
1. In a photoelectric musical instrument a shutter plate having in one surface grooves for containing shutter wires and openings extending through the plate from the bottom of said grooves, shutter wires in said grooves, said wires being capable of moving from side to side in said grooves to cover and uncover said openings, and means to so move said wires, said grooves being interrupted at intervals and said shutter wires passing, where said grooves are interrupted, from one groove to another groove which is not a prolongation thereof.

2,576,760

SYSTEM FOR THE PRODUCTION AND USE OF ELECTRIC OSCILLATIONS FOR CONTROL PURPOSES

Edward M. Jones and George F. Williamson, Cincinnati, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio

Application September 22, 1949, Serial No. 117,240
27 Claims. (Cl. 84—1.18)



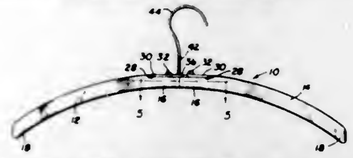
1. In an instrument for the production of musical tones, a moving member having pitch determining means thereon, motive means for said member, a source of power for said motive means, a tremolo track on said member and an electric system associated with said track for introducing a tremolo into said tones.

2,576,761

COLLAPSIBLE GARMENT HANGER

Emma Kittredge, Seattle, Wash.

Application January 6, 1949, Serial No. 69,474
2 Claims. (Cl. 223—94)



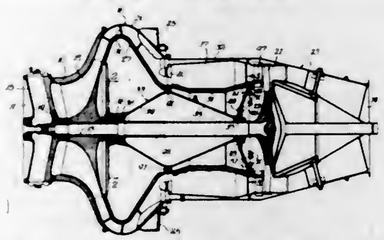
1. A collapsible garment hanger comprising first and second elongated garment supporting sections having inner end portions, anchor plates overlying and secured to the inner end portions of said sections, an elongated support extending between and terminally pivoted to said anchor plates, and a hook member having a shank portion, said support having a central opening therein loosely receiving said shank portion, said sections being foldable against each other, said opening being sufficiently large to permit said hook member to be swung outwardly of said sections and against the sections when the latter are folded against each other, the inner end portions of said sections abutting to retain the sections extended relative to each other whereby the sections are adapted to be supported by said hook member from a supporting structure, said support being pivoted to said anchor plates by a pair of spaced parallel horizontal pivots that are disposed transversely of said sections.

2,576,762

FRAME CONSTRUCTION FOR TURBOJET ENGINES

Curtis N. Lawter, Trenton, N. J., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application February 4, 1948, Serial No. 6,318
1 Claim. (Cl. 60—39.31)



In a turbo-jet engine, a one-piece elongated hollow frame member circular in cross section and bulged outwardly intermediate its ends, a rigid shaft extending through said frame member and journaled in the ends thereof, a turbine rotor mounted on one end of said shaft and an air compressor on the other end, a rigid annular casting providing an air diffuser section having its rear end extending about and directly secured to the bulged portion of said frame member and flaring forwardly therefrom, an annular sheet metal combustion chamber section secured to said casting in concentric relation therewith and extending rearwardly therefrom, a rigid supporting diaphragm secured to the rear end of said frame member and supporting the combustion chamber section rearwardly of said casting, and supporting members rigidly formed on and extending radially from said rigid casting adjacent its rear end for supporting the engine.

2,576,763

VANADIUM CONTAINING BRIQUETTES

Arthur Linz, New York, N. Y., assignor to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware

No Drawing. Application March 22, 1950, Serial No. 151,303
1 Claim. (Cl. 75—133)

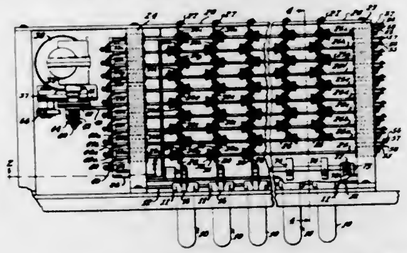
A vanadium containing briquette for use in making ferrous alloys comprising an intimate mechanical mixture of a vanadium bearing petroleum ash or soot containing at least 20% vanadium pentoxide, a lesser quantity of concentrated vanadium pentoxide, ferro-silicon containing at least about 40% silicon and present in the briquette in an amount from about 15–30% of the contained vanadium pentoxide, and a carbonaceous binder which is from about 5–10% of the mass.

2,576,764

COMBINATION STOP MECHANISM

Raymond P. Mork, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio

Application November 26, 1948, Serial No. 62,180
21 Claims. (Cl. 84—1.19)



1. In a combination stop mechanism a stop tab movable to on and off positions, a stop switch, a connection between said stop tab and said switch, a bar mounted for longitudinal movement and having connection with said stop tab, a rod mounted for rotative movement transverse said bar, said rod having unequal transverse dimensions, and a member mounted on said bar and having spaced legs one lying on each side of the rod, said last mentioned member being positionable on said bar so as to be actuatable by said rod.

2,576,765

ECCENTRIC CRANK PIN MOUNTING

Edgar W. Patterson, Downey, Calif.

Application June 30, 1947, Serial No. 758,128
1 Claim. (Cl. 74—600)



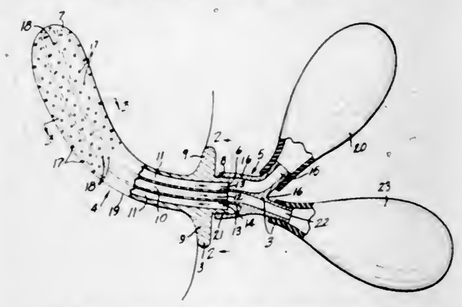
An adjustable crank including a crank member having a circular opening therein, a slot extending from said opening to the edge of said crank member, a disc rotatably mounted in said opening, means for forcibly drawing the edges of said slot toward each other to tighten the walls of said opening about the periphery of said disc, a crank pin eccentrically positioned on said disc, said disc having a radially extending flange member thereon, and means for positively interlocking said flange member against rotation relative to said crank member, said means comprising an aperture in one of said members and a plurality of apertures in the other of said members, the aperture in the one member being alignable with any one of the apertures in the other member by rotation of said disc and flange member relative to said crank member, and a locking element extending through the aligned apertures.

2,576,766

SYRINGE

Edward Sokolik, New Brighton, Minn.

Application June 21, 1948, Serial No. 34,159
6 Claims. (Cl. 128—240)



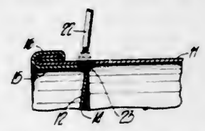
1. An improved two-way feminine syringe of the character described, comprising: a two-way nozzle including an internally applicable syringing portion and an externally applicable head portion, a pair of inlet passageways extending longitudinally in the nozzle, a central outlet passageway extending longitudinally between said inlet passageways, the nozzle having dispersed outlet apertures in the periphery of the syringing portion leading from the inlet passageways and dispersed inlet apertures in the periphery of the syringing portion leading to the outlet passageway; said head portion including a radially flaring flange to afford a barrier to the extrusion of the syringing fluid, a two-way cross-head fitting connected to the nozzle, said cross-head fitting having an inlet passageway communicating with the inlet passageways of the nozzle and an outlet entrant tube communicating with the connecting means of the central outlet passageway; a pair of compressible bulbs, one a supply bulb in communication with the inlet passageway of the cross-head fitting, the other receiving bulb in communication with the outlet entrant tube of the cross-head fitting.

2,576,767

METAL CONTAINER AND METHOD OF MANUFACTURE

Frank L. A'Hearn, Sharon, Pa., assignor to United States Steel Products Company, a corporation of Delaware

Application February 13, 1948, Serial No. 8,156
4 Claims. (Cl. 220—67)

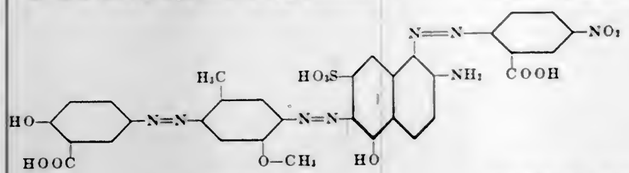


4. In a tight-head metal container including a cylindrical shell of metal and a flanged-disc

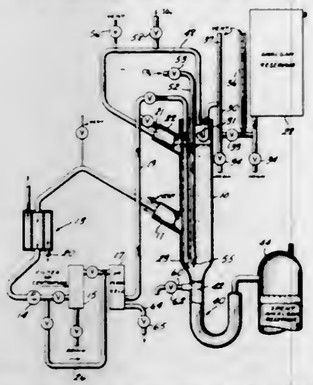
head of like metal fitted into each end thereof, the outer ends of the flanges of the heads being connected to the shell and the flanges curving inwardly away from the shell at their inner ends, said shell having a continuous annular band circumferentially thereof substantially in the plane of the disc of each head, and integrally connected with the head flange and also said shell throughout the circumference thereof, which band has been subjected to heat-softening thereby providing a continuous fillet at least partially filling the V-shaped crevice originally existing between the shell and the head flange where the latter curves inwardly away from the former, said fillet being formed by metal displaced from its original position in at least one of the container parts and being of the same composition as the latter.

2,576,768
TRISAZO DYESTUFFS
Walter Anderau, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application October 4, 1948, Serial No. 52,777. In Switzerland November 19, 1947
6 Claims. (Cl. 260—173)

2. The trisazo dyestuff of the formula



2,576,769
METHOD OF MAKING HYPOSULFITES BY MEANS OF AMALGAM
Souren Z. Avedikian, Larchmont, N. Y.
Application October 23, 1950, Serial No. 191,583
8 Claims. (Cl. 23—116)



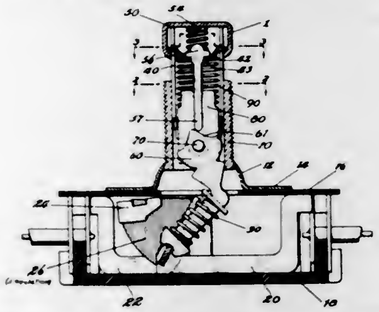
1. The method of making an alkali metal hyposulfite which comprises introducing into a body of aqueous solution of said alkali metal bisulphite successive particles of an amalgam of the alkali metal, passing the particles through the body of solution to a collection region, introducing the amalgam into said body of solution with a concentration of less than 0.1% of alkali metal in the amalgam, withdrawing the amalgam at lower alkali metal concentration from the collection region, and withdrawing alkali metal hyposulfite from the body of solution at another region.

2,576,770
CAPACITOR FOR RADIO-FREQUENCY CIRCUITS
Byron O. Ballou, San Bruno, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application June 25, 1949, Serial No. 101,347
1 Claim. (Cl. 175—41)



A high voltage capacitor for radio-frequency circuits subject to temperature variations comprising a set of overlapping circular metal plates, circular sheets of solid dielectric interposed between the plates and disposed on opposite sides of said set, a fluid dielectric filling the voids between the plates and sheets, means including metal rings engaging the outer sheets for clamping the plates and sheets together, said rings and plates and outer sheets forming a casing for confining the fluid dielectric, a reservoir on one of the rings for holding excess fluid dielectric, a passage connecting the reservoir with the interior of said casing, and channels along the interior surfaces of the plates and sheets to facilitate flow of said fluid dielectric between the reservoir and said voids within the casing upon expansion and contraction of the parts with temperature variations.

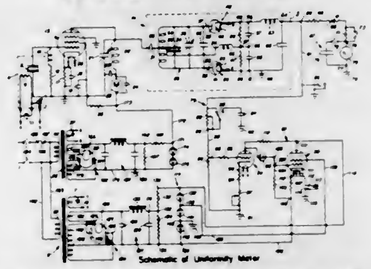
2,576,771
OPERATING MECHANISM FOR ELECTRIC SWITCHES
Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut
Application March 1, 1949, Serial No. 79,028
9 Claims. (Cl. 200—67)



1. In an electric switch mechanism, separable contacts, contact-moving means, actuating means for actuating said contact-moving means com-

prising a hollow actuating member formed of a plurality of separate longitudinally divided cooperating parts, a plurality of cooperating members including a spring to bias said actuating means to an inactive position all assembled within said actuating member and comprising the entire operating mechanism for said actuating means, and means holding said parts of said actuating member together with said plurality of cooperating members inside.

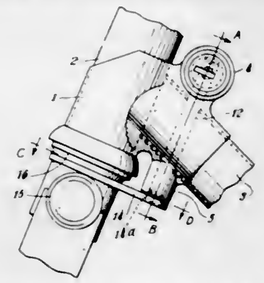
2,576,772
UNIFORMITY METER
Edwin J. Bernet and Edwin C. Hutter, Charlottesville, Va., assignors to Institute of Textile Technology
Application February 23, 1949, Serial No. 77,744
5 Claims. (Cl. 175—183)



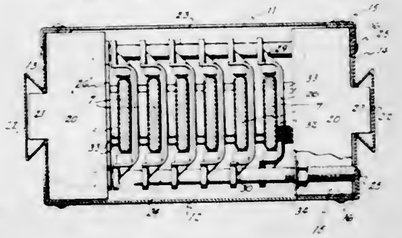
1. In a telemetric testing system of the type wherein the tested material is introduced between the electrodes of an air-dielectric capacitor whereby its capacitance is modified, and the capacitor controls translating means for converting the said capacitance modifications into an electric signal having a parameter varying proportionally thereto, and means for utilizing this signal to indicate a condition and variations in the condition of the material tested, the improved translating means that comprises: a discriminator having a resonant tank circuit that is primarily capacitive including the testing capacitor and is only secondarily inductive, the inductive component of the tank circuit being a center-tapped high-Q inductance having its ends connected to the anodes of a pair of diodes and the cathodes of said diodes being connected to the ends of a center-tapped load resistor, conductively connected at its midpoint through high-frequency impedance to the center-tap of the tank inductance; a high-radio-frequency-controlled constant-frequency signal source of frequency substantially equalling the middle frequency of said tank circuit, feeding the tank circuit through the center-tap of the inductance whereby minor variations in the tank capacity result in major variations in the signal amplitude developed across the load resistors of the diodes, and means for amplifying this signal substantially without distortion to produce high intensity signals, reflecting by their magnitude the variations in the material under test.

2,576,773
LOCKING DEVICE FOR BICYCLES
Sidney Walter Buxton, Nottingham, England
Application September 26, 1946, Serial No. 699,578
In Great Britain May 13, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 13, 1964
6 Claims. (Cl. 70—185)

3. A device for locking a front fork of a bicycle by preventing relative rotation of the fork in the steering head and comprising a cylindrical lock housing formed in a tubular member of the bicycle, a key-operated lock, a complementary lock plate, one of such members being attached to the front fork and the other to a fixed part of the bicycle frame, the lock including a lock cylinder mounted in said housing and a bolt slidably mounted within said tubular member of the bicycle, the outer end of the bolt projecting from said tubular member and the inner end thereof being connected with the lock cylinder, means connecting the lock cylinder and the bolt, the cylinder being arranged to be turned by said key from one alternative position to another to effect projection or withdrawal of the outer end of the bolt from the tubular member relative to the lock plate, said bolt being disposed substantially parallel to the axis of the steering head.



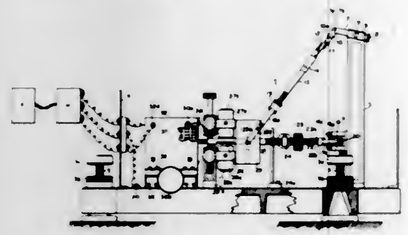
2,576,774
SUPPORT FOR BUS BARS IN A DUCT SYSTEM OF DISTRIBUTION
Elmer T. Carlson, New Britain, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Original application February 12, 1945, Serial No. 577,500. Divided and this application December 31, 1948, Serial No. 68,638
3 Claims. (Cl. 174—99)



1. In a power distribution system, a duct having side walls, a plurality of parallel flat bus bars in the duct having aligned edges, pairs of channel shaped supporting members having bottom and side walls supported at intervals along the inside of the duct at the opposite sides thereof, rods connecting the bottom walls of said channel shaped members of each pair, one rod extending transversely over one set of aligned edges of the bus bars and the other rod extending transversely across the opposite set of aligned edges of said bus bars, insulating spacers on and adjustable along such rods and supporting and spacing said bus bars from each other and from the bottom walls of said channel-shaped members, nuts adjustable on said rods for clamping said channel shaped members, said bus bars and said spacers together in adjusted position, and means for se-

curing said rods to and between the opposite side walls of the duct and drawing said side walls of the duct against the edges of the side walls of the supporting members.

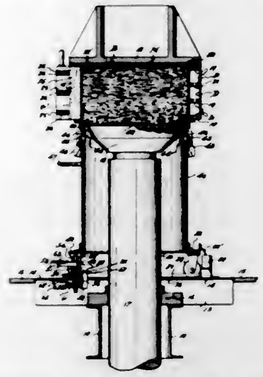
2,576,775
SEISMOMETER SYSTEM
Frank D. Case, Reading, Mass., assignor to Diamond Instrument Company, Wakefield, Mass., a corporation
Application July 31, 1948, Serial No. 41,771
3 Claims. (Cl. 177—352)



1. A system of earth tremor detecting assemblies comprising, in combination, a plurality of seismometers, the seismometers being adapted to pick up earth tremors and transmit them through transducers and amplifying means to a recording assembly, each seismometer including a vertical column and a transducer affixed to an adjustable horizontal platform, seismometer elements operatively suspended on each column for, respectively, detecting longitudinal, transverse and vertical earth disturbances, each assembly of said elements including a horizontally disposed pendulum, a vane on the pendulum adapted to be oscillated between the poles of a transducer by movements of the pendulum, means for adjustably positioning the platform in the horizontal plane, means for adjustably suspending the seismometer elements on the column and on the pendulum, magnetic damping means mounted on the platform and adapted to be adjustably disposed in relation to the pendulum, the transducer poles being adjustably mounted in relation to the pendulum vane, air damping means including apertures in the vane, and electronic means adapted to maintain the elements of the assembly in accurate relation to each other.

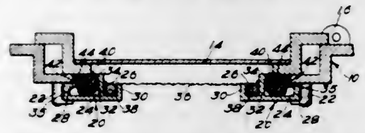
2,576,776
HYDRAULIC EXPRESSOR
Nicholas J. Cavagnaro, Jr., Hicksville, and John Louis Cavagnaro, Brooklyn, N. Y., assignors to N. J. Cavagnaro & Sons Machine Corporation, Brooklyn, N. Y., a corporation of New York
Application March 17, 1949, Serial No. 81,946
5 Claims. (Cl. 68—241)

1. In a hydraulic press having a reciprocable ram, a head member opposed to the ram, a downwardly open stationary press compartment dependent from the head member and axially aligned with said ram, said press compartment confining material therein subjected to compression by said ram, an upwardly open wheeled container adapted to be loaded with material to be treated, said container being adapted to be removably positioned in axially aligned relation to and between the press compartment and the ram, said container having a movable bottom member engageable by the rising ram whereby to carry the material out of the container subject to compression between the head member and ram, and yieldable stop dogs inwardly projected from the walls of said container adjacent to its upper open end, said stop dogs being adapted to support said



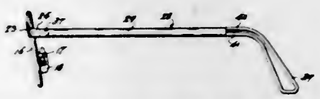
bottom member and the material thereon at the top of the container after descent of the ram and during removal of the container, said press compartment having a side gate section.

2,576,777
WINDOW CONSTRUCTION
George T. Clements, Detroit, Mich.
Application February 23, 1950, Serial No. 145,663
9 Claims. (Cl. 160—40)



4. In window construction, a casement having at least one movable sash, a frame for the movable sash detachably mounted on the inner side of the casement and having a pair of open channels, resilient cord in one of the channels adapted to provide a seat for the movable sash and screen on the frame secured in the other channel.

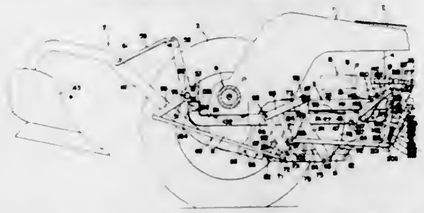
2,576,778
SPECTACLE FRAME MADE OF TUBULAR METALLIC STOCK
Roland T. Cook, Irvington, N. J., assignor to New Jersey Optical Company, Irvington, N. J., a corporation of New Jersey
Application August 18, 1948, Serial No. 44,915
1 Claim. (Cl. 88—53)



A hinge structure to connect a tubular temple to a discontinuous lens rim having end pieces terminating in perforate hinge knuckles projecting from its ends, a cover plate disposed over the front edges of the rim end pieces and adjacent portions of the lens rim, said cover plate having a rearwardly projecting anchoring lug interposed between said rim end pieces and secured in assembled relation thereto by a fastening screw, said anchoring lug functioning to space apart the hinge knuckles, the outer end

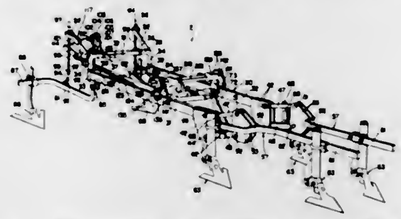
of said cover plate providing a stop shoulder disposed across the hinge knuckles, a hinge ear having a rearwardly extending shank entered and fixed in the interior of the tubular temple, the outer wall of said temple having an indenting slot and said hinge ear having key portion outwardly offset relative to said shank and engaged in said slot, said hinge ear being entered between the rim hinge knuckles and coupled thereto by a pivoting screw, and an external face plate affixed to the temple, the outer end of said face plate providing a stop shoulder disposed across the hinge ear and adapted to abut the stop shoulder of the rim cover plate to determine the outswung open position of the temple relative to the rim.

2,576,779
IMPLEMENT ATTACHMENT MEANS
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 12, 1945, Serial No. 577,577
22 Claims. (Cl. 97—50)



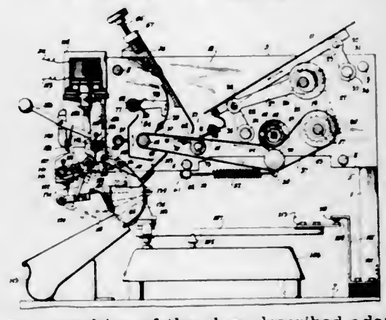
2. In an agricultural machine, including a tractor having a power operated part and an implement having a part to be adjusted, a quick detachable arm comprising a pair of relatively movable members pivotally connected together, means serving as a pair of studs on said power operated part, means on said members to receive said studs, and releasable means for holding said members engaged with said studs.

2,576,780
TRACTOR MOUNTED CULTIVATOR
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 28, 1945, Serial No. 596,201
15 Claims. (Cl. 97—47)



4. An agricultural implement comprising a frame, front tool means swingably connected with the front end portion of said frame, rear tool means swingably connected with the rear end portion of said frame, means connected with said front tool means and reacting against said frame to raise and lower said front tool means, a rockshaft mounted on the rear portion of said frame, said rear tool means including a pair of tool beams, a pair of arms on said rockshaft operatively connected with said tool beams, and means operatively connecting said front tool means with said rockshaft whereby said rear tool beams may also be raised and lowered.

2,576,781
DISPENSING MACHINE
Aldo R. Curioni, New York, N. Y., assignor to Sarioni Company, Inc., New York, N. Y., a corporation of New York
Application January 23, 1946, Serial No. 642,970
8 Claims. (Cl. 198—53)



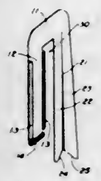
8. In a machine of the class described adapted to provide a substantially uniform stream of material, the combination of a hopper including an oscillatable bottom wall and an end wall movable toward and away from said bottom wall, said walls being normally spaced apart to provide a discharge opening, leg members supporting said bottom wall at spaced locations, means supporting said leg members at locations spaced from said bottom wall, means for moving said leg members to and fro to thereby oscillate said bottom wall and move material toward and through said discharge opening, transferring means below said discharge opening for transferring from the discharge opening material delivered therethrough, a guide member below said transferring means for guiding material toward a receiving compartment, an oscillatable member having a portion extending beneath said transferring means and above said guide member for receiving material from the transferring means and lowering it toward the guide member, means for intermittently blocking a stream of material moving along said guide member, a receiving compartment below said guide member for catching said stream of material when not blocked, and means for opening the receiving compartment when the stream of material is blocked.

2,576,782
METHOD OF MAKING HOT MILL TOOLS
Paul L. Daley and Stanley N. Lutz, Ellwood City, Pa., assignors to National Tube Company, a corporation of New Jersey
No Drawing. Application August 31, 1948, Serial No. 47,138
1 Claim. (Cl. 148—6.35)

A method of forming hot mill tools comprising forming said tools of a steel containing .70 and 1.25% of carbon, 15 and 17% of chromium, 3 and 4% of nickel, .30 and .60% of manganese, .80 and 1.25% of molybdenum, with the balance substantially iron, said steel being initially austenitic, heating said steel in the temperature range of 2100° to 2200° F. under oxidizing conditions for about one hour to dissolve a portion of the carbides and develop a dense adherent

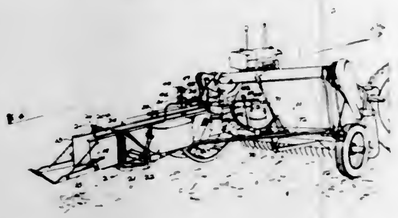
scale thereon which acts as a self renewing lubricant self-renewing during use, cooling it to at least 1000° F. and then reheating it to a temperature between 1300° and 1800° F. for two to eight hours to render said steel magnetic and impart a hardness thereto of between 400 and 500 B. H. N.

2,576,783
PAMPHLET IDENTIFYING DEVICE
Janette D. Dewey, Canandaigua, N. Y.
Application April 11, 1947, Serial No. 740,893
2 Claims. (Cl. 40—16)



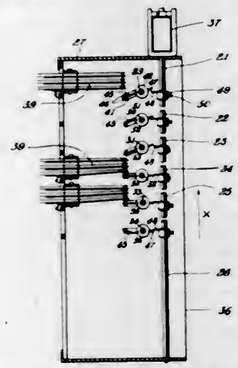
1. A device for enabling quick identification of a pamphlet having a series of pages bound together at the back of the pamphlet when the pamphlet stands on a bookshelf side by side with other pamphlets and with its bound back in a substantially vertical position, said device including a sheet metal body having two legs arranged flatwise and relatively close to each other to be inserted vertically downwardly into the top of the pamphlet with said two legs embracing opposite sides of a single page of a pamphlet closely adjacent to the bound back of the pamphlet, the two legs projecting upwardly above the top edge of the pamphlet and being integrally connected to each other above said top edge, said sheet metal body also having a third leg integrally connected with said two legs above said top edge of the pamphlet and extending rearwardly to a point slightly behind the back of the pamphlet and thence vertically downwardly along the outside of the back of the pamphlet in close proximity thereto so that in normal use the first two legs do not slide in either direction along the top of the page embraced between them, said third leg having inturned flanges along two opposite sides for receiving and retaining a removable card to be marked with identifying indicia of the pamphlet.

2,576,784
AUTOMATIC HAY BALER CONTROL
Galen Dodds and Clinton C. Dodds, Onaga, Kans.
Application September 9, 1949, Serial No. 114,862
1 Claim. (Cl. 100—23)



In a hay baler having a bale chute including a movable platen on one side of the chute, a cylinder having a piston connected to said platen, a bar on top of and substantially parallel to the chute, a toothed wheel carried by the bar in a vertical plane at one end thereof, said wheel being positioned to engage the top side of hay passing through the chute, a vertical link pivotally connecting the other end of the bar to the chute, resilient means biasing said bar against pivotal movement under the force of hay in the chute acting on said wheel, a fluid valve assembly having a body secured to the chute, said assembly also having a fluid inlet and a fluid outlet, a source of fluid under pressure connected to said inlet, said outlet being connected to said cylinder, a reciprocable operator for controlling the flow of fluid between said inlet and said outlet, said operator having an extension pivoted to said bar.

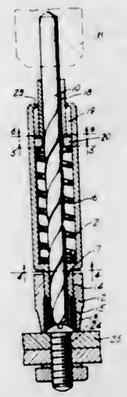
2,576,785
CROSSBAR SWITCH FOR AUTOMATIC TELEPHONE INSTALLATIONS
Jacobus Johannes Donkelaar and Gunnar Börge Knös, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 12, 1949, Serial No. 76,084
In the Netherlands March 5, 1948
4 Claims. (Cl. 179—27.54)



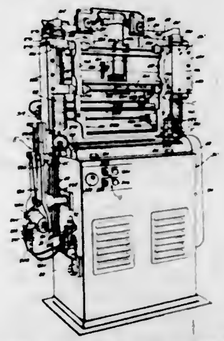
1. A cross-bar switch for automatic telephony comprising a plurality of selecting bars disposed in parallel relation, a plurality of operating bars disposed in parallel relation transversely with respect to said selecting bars, electromagnetic means to actuate said selecting bars, electromagnetic means to actuate said operating bars, a switch having a moving contact disposed adjacent each intersection of said selecting and operating bars, a drive member coupled resiliently to said operating bar at said intersection and disposed in cooperative relation to the moving contact of said switch, and a stop member coupled to said selecting bar at said intersection and disposed in cooperative relation to said drive member, the stop member in the unactuated position of said selecting bar being disposed to block movement of the associated drive member, the stop member unblocking said drive member in the actuated position of said selecting bar to enable closing of said switch by said drive member when said operating bar is actuated.

2,576,786
CENTRALIZING DRILL
Lawrence E. Gray and Carl H. Viebrock, Douglas, Wash.
Application September 21, 1948, Serial No. 50,386
1 Claim. (Cl. 77—55)

In a tool of the class described, a tubular casing having a lower reduced end portion and an annular flange inturned at its upper end, a drill extending axially through said casing and projecting beyond said reduced end portion, a bearing sleeve encircling said drill and positioned within the upper end of said casing in contact with said flange, a washer within said casing and encircling said drill, a coiled spring within said casing and encircling said drill and having ts lower end seated on the shoulder formed by the said reduced end portion and its upper end bearing against said washer, a second bearing sleeve encircling and secured to the drill, said second bearing sleeve being seated in the first bearing sleeve and seated on said washer, and a centering member having an axial passage therethrough of the same cross sectional contour as and tightly receiving said reduced end portion on which it is seated, the outer side of the lower end portion of the centering member inwardly tapered, said member being adapted to be seated over an area to be drilled to locate the cutting end of the drill in the center of said area.

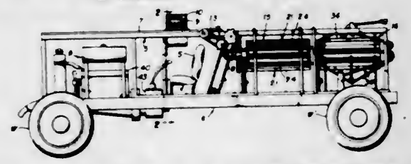


2,576,787
AUTOMATIC WORK ABRADING APPARATUS
Roland G. Hall, Yalesville, Conn., and Stewart M. Hill, Sherrill, N. Y., assignors to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation
Application July 10, 1948, Serial No. 38,066
9 Claims. (Cl. 51—84)



8. Apparatus of the character described, comprising substantially parallel power-driven abrading wheels yieldingly urged toward each other substantially in a first plane in which their rotary axes lie, a carrier for removably holding work with its opposite sides exposed, mechanism for reciprocating said carrier to and from said wheels in a second plane extending transversely of said first plane between, and substantially parallel to the rotary axes of, said wheels, followers movable with said wheels, respectively, in said first plane, and a cam reciprocable with said carrier between and cooperating with said followers to hold said wheels apart throughout the stroke of said carrier and to permit their approach to such an extent only that they follow the desired contours of the adjacent exposed work sides, respectively, as the latter move between and in contact with said wheels, said cam being mounted on said carrier for adjustment in the direction of its reciprocation, said cam comprising two separate cam elements for said wheels, respectively, said cam elements being removably mounted on said carrier for separate adjustment transversely of said second plane.

2,576,788
FIBER RECOVERING MACHINE
William L. Hannold, Alpine, and James J. Griffith, Friona, Tex.
Original application November 8, 1943, Serial No. 509,468. Divided and this application May 26, 1947, Serial No. 750,540
1 Claim. (Cl. 19—12)

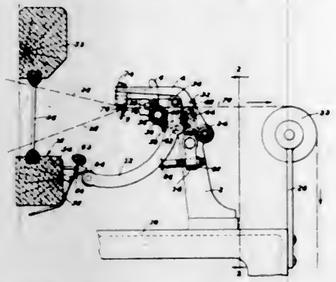


In a portable fiber recovering machine, the combination with a conventional motor vehicle chassis having a driver's seat and including a front power plant provided with a power take-off, of an elongated rectangular skeleton frame mounted on the frame of said chassis and extending susbtantially from end to end thereof, a horizontal table top mounted on the forward portion of said skeleton frame and extending over the power plant and the driver's seat, a cutting device mounted at one side of said table top for cutting the butts of plants to separate the leaves thereof, a crushing device mounted on the skeleton frame rearwardly of said cutting device, a conveying device mounted on the frame at the rear of said table top to deliver the separated leaves to said crushing device, a decorticating mechanism mounted in the rear portion of said skeleton frame to receive the crushed leaves from the crushing device and decorticate the same, a main drive shaft journaled on and disposed longitudinally of the chassis frame and operatively connected to said devices and said mechanism, and manually operable means for selectively connecting said drive shaft to or disconnecting the same from said power take-off.

2,576,789
SELVAGE LOOP FORMING DEVICE
Daniel E. Houghton, Washington, D. C., assignor, by mesne assignments, to New York Wire Cloth Company, York, Pa., a corporation of Delaware
Application August 31, 1949, Serial No. 113,382
6 Claims. (Cl. 139—195)

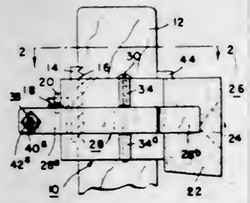
1. A selvage-forming device for looms comprising means for forming a selvage-loop of a predetermined size in a filling thread, means for forming a second loop of smaller diameter in the

thread before the thread is beaten into the cloth, means co-ordinated with the passage of the thread across the shed of the loom to inactivate said first loop-forming means and allow said second loop-forming means to operate up the thread



as the thread passes farther into the shed, and means for moving said first and second loop-forming means to permit the thread to be beaten into the cloth upon completion of the filling operation.

2,576,790
PICKER FOR FLY SHUTTLE LOOMS
George M. Huguley, Clinton, S. C.
Application June 19, 1950, Serial No. 168,973
10 Claims. (Cl. 139—159)



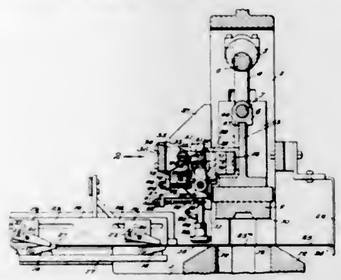
1. In a loom picker, a picker frame adapted to be slipped over the end of a picker stick, means for securing the frame in a desired position of vertical adjustment on the picker stick, a picker, a pair of clamping jaws mounted on the frame for turning movement about vertical axes and being operative to clampingly engage against the sides of said picker, and means for actuating said jaws in unison toward and away from one another.

2,576,791
PILE FABRIC FLOOR COVERING
Robert J. Jackson, Hazardville, Conn., assignor, by mesne assignments, to Bigelow-Sanford Carpet Company, Inc., New York, N. Y., a corporation of Delaware
Application January 24, 1947, Serial No. 723,965
18 Claims. (Cl. 139—403)



1. A pile fabric floor covering having a pattern formed of groups of high warp loops and of groups of low warp loops, and wherein a weftwise row of loops includes both high and low loops, the warps of said pattern being separated by binder warps and the binder warps being separated by stuffer warps, a series of holding wefts disposed on one side of said stuffer warps and a series of non-holding wefts disposed on the other side of said stuffer warps, each group of high loops comprising a plurality of loops in sequence in the same pile warp, the high and low loops in weftwise rows forming a pattern corresponding to the high and low portions of wires of a set over which the pile warps were woven.

2,576,792
GAUGING MECHANISM FOR SCROLL SHEAR MACHINES
Scott R. Johnson, River Forest, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 7, 1950, Serial No. 142,882
5 Claims. (Cl. 164—48)



1. A scroll shear machine comprising cooperating shearing devices, a reciprocating crosshead carrying one of said shearing devices, reciprocating feed dogs for feeding the sheet between the shearing devices to a position slightly beyond correct position for cutting, gauges adapted to accurately position the sheet by contact with the trailing edge thereof, and cams carried by the crosshead and devices actuated thereby for engaging the sheet and moving the same so as to place the trailing edge of the sheet against the gauges and for holding the sheet against said gauges during cutting.

2,576,793
WELDING TITANIUM AND OTHER METAL
James Fernando Jordan, Huntington Park, Calif.
No Drawing. Application September 20, 1950, Serial No. 185,909
5 Claims. (Cl. 219—10)

1. The welding process, which comprises: contacting the preheated surface of the metal that is to be welded with gas selected from the group consisting of carbon tetrachloride, hydrogen chloride, and mixtures thereof until reaction between said gas and oxygen-bearing compounds on said surface has volatilized a substantial portion of said compounds; and welding under a blanket of said gas.

2,576,794
DEMOUNTABLE TRAY SIEVE
William R. Jost and Edward W. Hilscher, Leavenworth, Kans.
Application July 19, 1948, Serial No. 39,398
5 Claims. (Cl. 209—405)

1. In a sieve for bolters, a rectangular shallow framelike body portion having inner walls spaced from the sides and one end of the frame and providing a chamber within said walls of less area than said body portion, and inner walls having

upwardly divergent surface areas, an imperforate bottom for said chamber having openings communicating with the spaces at opposite sides thereof, the space at the end being closed off, and a demountable rectangular frame of less height than said body portion supported in spaced relation to said imperforate bottom and having beveled sides adapted to wedgingly engage between said divergent surfaces of the inner sides of said



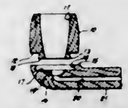
inner walls, corner blocks between the sides and inner walls of the body portion and projecting above the latter, cushion strips along the top edges of the body portion, said demountable frame terminating in spaced relation to one end of the body portion and a block carried by said frame to extend across said latter space and slidably engage in a groove formed in said one end of said body portion whereby said frame is insertable and removable from the top.

2,576,795
FISHHOOK
Edwin C. Lane, Wyoming, N. Y.
Application May 19, 1947, Serial No. 748,911
2 Claims. (Cl. 43—43.4)



1. In combination with a fish hook, including a shank and having a terminal eye and a hook barb, a flexible wire weed guard member having one end thereof connected to the eye, the wire member extending from the eye and terminating at a point adjacent to and in advance of the barb, the wire member including a portion extending tranversely of the shank and providing a bead-mounting axle, and a light-reflecting and refracting bead rotatably supported on said axle and disposed immediately in advance of the barb and in symmetrical relation to said shank, said wire member including a pair of strands united by a loop at said one end, twisted between the ends, and said strands diverging beyond said twists and thence extending toward each other in alinement in the formation of said axle.

2,576,796
SMOKING PIPE
Robert J. Lemp, Woodhaven, N. Y.
Application November 5, 1949, Serial No. 125,700
1 Claim. (Cl. 131—222)

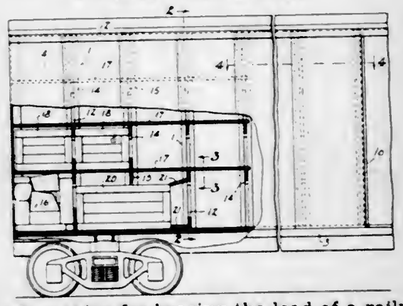


A smoking pipe including a bowl formed in two superimposed sections provided with meeting surfaces and a stem portion leading generally horizontally from the lower section, such stem portion having a smoke passage therein, the upper section having a tapered bore extending from its upper to its lower end and being of smaller diameter at its lower end, the upper surface of the lower section having a tapered bore leading into the smoke passage, the upper end of said bore being of substantially the same size as, and being axially aligned with, the lower end of the upper section bore when the upper section is mounted on the lower section, and means for releasably securing the meeting surfaces of the bowl sections together, such means comprising a generally oval-shaped male portion of dovetailed cross-sectional contour extending outwardly from one of the surfaces, the other surface having a recess shaped complemental to and which receives the male portion in interlocked relation upon a partial rotation of the parts.

2,576,797
PENETRATING WOOD-FINISHING COMPOSITION
Frank H. Lyons, Memphis, Tenn., assignor to E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware
No Drawing. Application June 19, 1950, Serial No. 169,073
21 Claims. (Cl. 106—172)

1. A non-aqueous penetrating seal wood finishing composition comprising: the combination of two coating compositions, the first coating composition composed of a penetrating seal finish composition comprising a resin dissolved in petroleum naphtha; and the second composition comprising an organic film-forming substance dissolved in a polar solvent, the film-forming substance of the second coating composition having limited solubility in the petroleum naphtha solvent used for the resin, the two compositions being blended to a homogeneous solution critically adjusted in proportions so that the film-forming substance is in the state of incipient precipitation.

2,576,798
CAR SIDE CONSTRUCTION AND LOAD BRACING APPARATUS
Erwin G. Mangels, Davenport, Iowa
Application September 13, 1947, Serial No. 773,808
5 Claims. (Cl. 105—404)



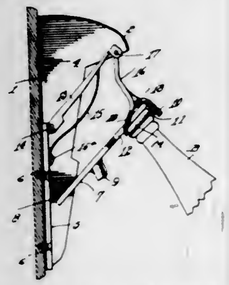
1. Apparatus for bracing the load of a railway car which comprises in combination with the outer car side walls, side post members disposed at opposite points along said car side walls and each defining a vertically extending channel shaped recess opening to the interior of said car, spaced flange portions carried by said side post members for attachment to said outer car wall, and means extending between and secured to the walls of each of said vertically extending channel shaped recesses to stiffen said side post members and afford a support for transverse load bracing members which extend across the interior of the car from side wall to side wall.

2,576,799
POSTHOLE AUGER FOR POWER SAWS
Annie E. McKinstry, Brunswick, Ga.
Application January 26, 1949, Serial No. 72,831
9 Claims. (Cl. 255—19)



1. A post hole auger comprising a gear housing, a shaft journaled in the housing and depending therefrom, shaft operating gears positioned in the housing, elongated radially disposed ribs carried by the shaft, a spiral vane carried by the said ribs providing a screw conveyor with a substantially open center, plow points removably mounted on the lower end of the shaft, and means attaching the housing to a power source.

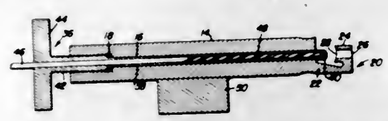
2,576,800
SURFACE MOUNTED CONTAINER OPENER
Fred Menderman, Miami, Fla.
Application August 18, 1948, Serial No. 44,861
3 Claims. (Cl. 81—3.3)



3. In a manually operated device for removing a bottle-cap, the combination with a supporting bracket, a holder pivoted to said bracket, a resiliently supported suspending lever hinged on the bracket, and a link between the free ends of the holder and the lever, of a blade rigid with the link and forming a clamp jaw depressible through an opening in the holder for engagement with a bottle-cap. a guide flange on the free end of the holder, and a lug on the flange adapted to engage and lift the cap from the bottle as the bottle and frame are depressed.

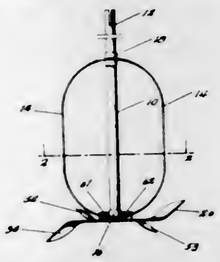
2,576,801
COMBINATION VISE AND DRILL GUIDE FOR WATCHMAKERS
Theodore Michael, Los Angeles, Calif.
Application March 6, 1950, Serial No. 147,882
1 Claim. (Cl. 81—6)

A combination vise and drill guide for use by watchmakers comprising a barrel having a central longitudinal bore opening through opposite ends and counterbored at one end and screw-threaded, said screw-threaded portion constituting a socket, work accommodating means on the end of the barrel opposite to said socket, said means including a centrally bored fixed jaw and



an extension connecting it to the barrel, a sleeve slidable in the bore and having a screw-threaded portion screwed into said socket and provided at an outer end with a thumb wheel, the end of the sleeve adjacent said jaw being projected through the bore and constituting a relatively movable jaw.

2,576,802
FOOD CHOPPING ATTACHMENT
Janet C. Morris, New York, N. Y.
Application November 15, 1948, Serial No. 59,998
10 Claims. (Cl. 146—106)

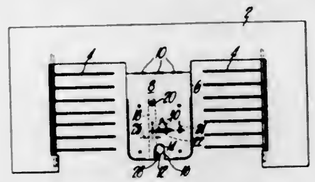


1. A food chopping attachment for the rotary beater of a food mixer of the type having a plurality of curved blades joined at the end of the beater, said attachment comprising a sheet metal member having a plurality of chopper blades extending radially from the axis of rotation of the attachment, the advancing edges of said chopping blades being sharpened, certain of said chopping blades extending upwardly and certain of said chopping blades extending downwardly to provide orbits of chopping both above and below the lower end of the beater, and a mounting member on the sheet metal member for manually attaching and removing the attachment, said mounting member being engageable with the top side of a beater blade and holding the sheet metal member against the lower side of the beater blade, one of said members engaging with a side edge of a beater blade for rotatively driving the attachment with the beater.

2,576,803
PIPE HOLDING DEVICE
Dewey R. Moore, Dallas, Tex.
Application September 20, 1946, Serial No. 698,221
2 Claims. (Cl. 214—1)

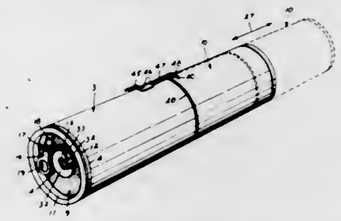
1. In a pipe handling and racking platform, a pipe holding device comprising a floor member having an elongated slot therein extending from one edge inwardly of the floor member, a spring, pivotally mounted arm adapted to be pulled across said slot by said spring, said slot having at least

one recess on one side thereof and said arm having at least one recess on the side facing said



first mentioned recess and laterally offset with respect thereto.

2,576,804
POWDER GUN
George B. Mornik, Mounds View Township, Ramsey County, Minn.
Application May 31, 1949, Serial No. 96,191
20 Claims. (Cl. 169—33)



1. In an apparatus of the class described, a cylinder having suitable end walls, an axially disposed tubular member extending lengthwise through the cylinder and having its ends supported for rotation on the cylinder end walls, said tubular member cooperating with the walls of the cylinder to provide a concentric powder chamber therebetween, a plurality of apertures in the wall of the tubular member for establishing communication between the interior thereof and the powder chamber, a discharge orifice at one end of the tubular member, and an expansible operating member, said tubular member forming a discharge and intake into said expansible operating member.

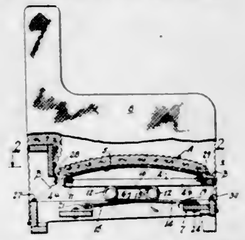
2,576,805
SUPPORT FOR CLOTHESLINES
John B. Niles, Los Angeles, Calif.
Application December 29, 1947, Serial No. 794,284
4 Claims. (Cl. 211—119.17)

1. In a clothes line support, including a cross-arm for the attachment of the line thereto, a standard, a bracket slidably mounted on said standard, said bracket having a rearwardly directed portion and a bore opening through the same engaged with the standard, the rear end of said portion having a recess opening into said bore, a roller journaled in said recess and bearing against the standard, a bar depending from said bracket in spaced relation to said standard, a rack secured on said standard below said bracket and in line with said bar, a pinion journaled on the lower end of said bar and engaged with said rack, a hand-crank for turning said pinion to raise and lower said bracket, a latching means engageable with said crank to hold said bracket in an adjusted position, and an annular



guide element offset rearwardly from the lower end of said bar and engaged with said post.

2,576,806
SPRING BASE FOR SEATS
Richard A. Nowell, Los Angeles, Calif., assignor to Metal Products, Inc., doing business as Metalcraft Products Co., a corporation of California
Application June 27, 1949, Serial No. 101,660
2 Claims. (Cl. 155—179)

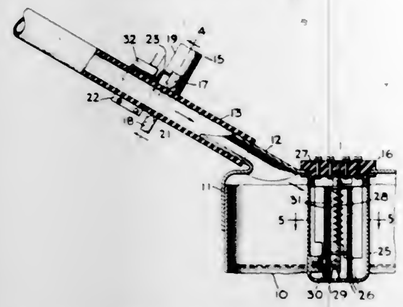


1. In a spring base for the seat of a chair, sofa or the like, a frame, a plurality of spring members fixed at their ends to and extending across the frame as a support for the upholstery to be applied to complete the seat, a pair of mounting springs fixed intermediate their ends to the frame and depending therefrom, and means affording the fastening of the ends of said mounting springs to the base structure of the chair, sofa or the like including brackets formed with opposed slotted ears in the slots of which certain ends of said mounting springs are slidable.

2,576,807
PROCESS FOR THE MANUFACTURE OF 4-NITRO - 1 - AMINONAPHTHALENE-5-SULFONIC ACID
Fritz Oesterlein, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application January 30, 1950, Serial No. 141,342. In Switzerland March 25, 1949
3 Claims. (Cl. 260—508)

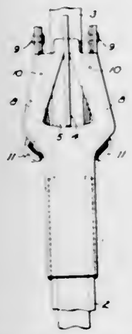
1. Process for the manufacture of 4-nitro-1-aminonaphthalene-5-sulfonic acid which comprises nitrating 1-aminonaphthalene-5-sulfonic acid at a temperature below —2° C.

2,576,808
CONTROL DEVICE FOR MILKING MACHINES
Albert G. Perkins, Grand Island, N. Y.
Application November 30, 1950, Serial No. 198,353
10 Claims. (Cl. 119—14.08)



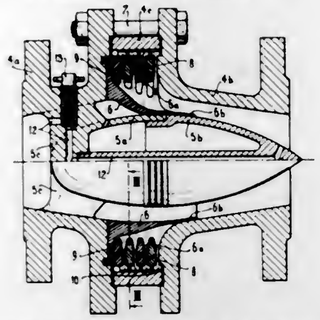
1. A control device for milking machines, comprising a teat cup connection including a contractible tube section through which the milk flows from the cow to a milk-receiving can, electrically-governed means in embracing relation to said tube section to contract the same to a closed position, and switch means disposed in flow relation to the milk and included in the circuit of said tube section embracing means for rendering the same operative to contract and close the tube section when the flow of milk from the cow substantially ceases.

2,576,809
WINDSHIELD CLEANER
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 24, 1946, Serial No. 678,937
7 Claims. (Cl. 15—250)



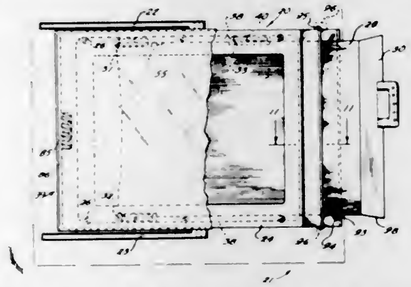
1. A windshield cleaner having a wiping blade, an actuating arm therefor operable to move the blade back and forth on a windshield surface, means connecting the blade to the arm and enabling angular displacement of the blade laterally of the arm to bring the blade broadside against the windshield frame, opposed resilient means carried by the arm at opposite sides of the blade and acting substantially to centralize the blade with respect to the arm while yielding to enable such angular displacement for parking the blade against the windshield frame, and means serving to limit the movement of one yielding means toward the companion yielding means to insure the blade centralization.

2,576,810
CHECK VALVE
Johannes B. Ratelband, Barendrecht, Netherlands
Application July 13, 1950, Serial No. 173,579
In the Netherlands March 28, 1949
5 Claims. (Cl. 251—122)



1. A check valve, comprising a housing and a core body located in said housing and leaving at its circumference a passageway with respect to the inside of the housing, a flexible diaphragm, said body being surrounded by said flexible diaphragm, at least one of the ends of the latter being secured to the housing and said diaphragm being provided at its circumference with at least one outwardly directed annular rib secured to the housing in tensioned condition so as to partly expand the diaphragm to its position for allowing the passage of fluid, said diaphragm extending into an annular sleeve-like portion clamping around said core body.

2,576,811
LOCKING OR CONTROL MEANS FOR THE SLIDE OF A PLATE OR FILM HOLDER FOR PHOTOGRAPHIC APPARATUS
Morris Schwartz and William Castedello, Stamford, Conn., assignors to The Kalart Company Inc., Stamford, Conn.
Application December 10, 1947, Serial No. 790,784
11 Claims. (Cl. 95—71)



1. A plate or film holder of the type described, comprising in combination a casing having septum and slide guide tracks, a septum adapted to receive a sensitized layer and slidable in said septum guide tracks, at least one removable slide for covering and uncovering a sensitized layer supported by the septum and slidable in said slide guide tracks, first locking means including a movable locking member supported on one of the sides of the casing and arranged to extend into the path of the slide in said slide guide tracks and to be engaged by one of the slide covers for blocking, after withdrawal of the slide in a predetermined slide face position, a re-insertion of the slide in the same slide face position and to be moved by the opposite corner of the slide out of the path of the slide when the latter is reinserted in reversed slide face position; second locking means including a locking member supported on one of the sides of the casing and extending into one of said guide tracks, said locking member engaging a notch in the edge portion of the slide extending into the respective slide guide track when the slide is inserted in said predetermined slide face position for locking the slide in the said position; release means supported on the casing protruding from the face thereof and engageable with said second locking member for moving the said member out of said notch and into a release position; third locking means including a locking member supported on the casing and arranged to engage a second slide notch in the edge portion thereof extending into the slide guide tracks when the slide is reinserted in reversed slide face position for locking the slide in the latter position; and second release means supported on the casing and engageable with the third locking means, said second release means being controlled by the position of the septum in the septum guide tracks and arranged to move the third locking member out of said second slide notch and into a release position in response to a withdrawal of the septum.

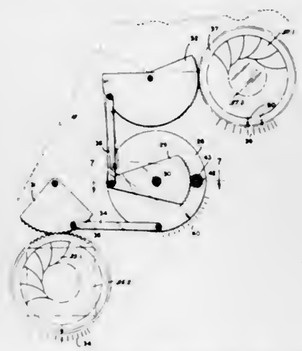
2,576,812
INFANT'S GARMENT
Philip G. Siegel, Flushing, N. Y., assignor to Perfect Knit Togs, Inc., New York, N. Y., a corporation of New York
Application August 9, 1950, Serial No. 178,379
2 Claims. (Cl. 2—80)



2. A child's garment comprising an upper bodice portion and a lower pants portion, said lower pants portion having leg openings therein, vertical slits in each lateral side edge of the lower portion of the garment, said slits extending upwardly from the leg openings substantially to the waistline of the garment and a transverse slit in the crotch of said garment, said last mentioned slit extending from one leg opening to the other of said leg openings, said slits forming the lower portion of the garment into a front flap and a back flap, means for releasably securing together said flaps along said slits, said upper portion forming at the waistline of the garment a non-separable, body encircling band and each of said flaps comprising integral extensions of said upper portion.

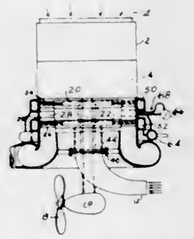
2,576,813
LIGHT METER
Raymond S. Simons, Highland Park, Ill.
Application June 3, 1946, Serial No. 673,925
6 Claims. (Cl. 95—10)

1. The combination with a camera having a lens, a shutter speed control means, and an iris adjustable to a geometric scale to vary the effective lens opening, of a light meter comprising a light sensitive cell arranged to receive light from that area within the range of said lens, an instrument actuated by said cell and having means to indicate light values, a second iris adjustable to a geometric scale arranged to regulate the amount of light reaching said cell, means to directly adjust said second iris manually, coupling means connected between said lens iris and said second iris for positive mutual operation thereof in accord with their respective geometric scales,



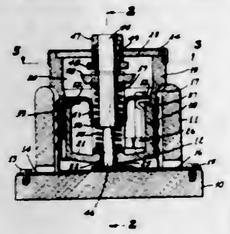
said coupling means including a pair of relatively rotatable members normally connected together for operation in unison, means associated with said shutter speed control means adapted to interconnect said shutter speed control means and said coupling means and directly vary the angular relation of said coupling members to each other for adjustment of said lens iris with respect to its geometric scale proportionate to change in shutter speeds, and means for disconnecting said coupling members from each other upon operation of said shutter speed control means.

2,576,814
COOLING MEANS FOR TURBINES
Edward A. Stalker, Bay City, Mich.
Application May 28, 1946, Serial No. 672,815
6 Claims. (Cl. 253—39.15)



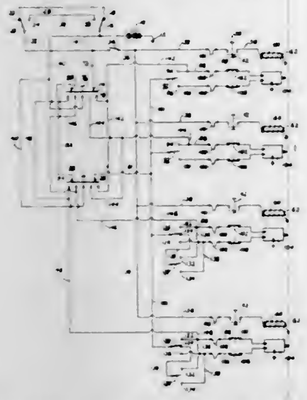
3. In combination, a gas turbine having blades, means to direct heated compressed gas through said turbine to produce power, said gas heating said blades, each said blade having a radial passage therethrough for the flow therein of cooling liquid discharged from each blade tip, means to supply liquid to the said passages, means to collect the liquid at the tips of said blades and means to discard a portion of said liquid while recirculating another portion thereof through said blades to maintain a proper blade temperature.

2,576,815
FUSE PLUG CIRCUIT BREAKER
Edward V. Sundt, Chicago, Ill.
Application May 6, 1946, Serial No. 667,546
10 Claims. (Cl. 200—116)



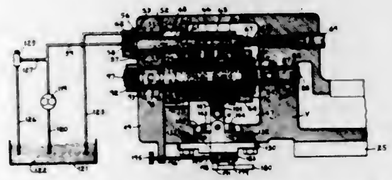
1. An electrical circuit breaker comprising a casing having a chamber therein, a first contact element on one side of the chamber and providing an external electrical connection, a second contact element on the opposite side of the chamber, a third contact element on another side of the chamber and providing another external electrical connection, a bimetallic thermostat element in the chamber having a latch shoulder and electrically connected between the second and third contact elements, a movable saddle adapted to engage and disengage the first and second contact elements to make and break an electric circuit between the first and third contact elements and through the bimetallic thermostat element, a spring engaging the saddle and adapted to disengage the saddle from the first and second contact elements, a movable latch member adapted to be latched by the latch shoulder of the bimetallic thermostat element, and a second spring between the latch member and the saddle for engaging the saddle with the first and second contact elements against the action of the first spring when the latch member is latched.

2,576,816
AUTOMOBILE DOOR AND WINDOW
Eric C. Wahlberg, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application June 22, 1946, Serial No. 678,558
5 Claims. (Cl. 180—82)



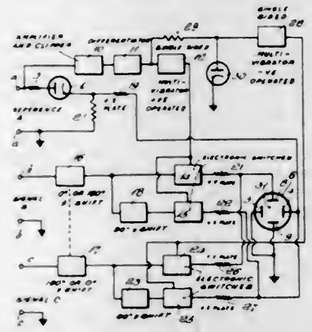
5. In a system for the prevention of unauthorized opening of the doors and windows of a vehicle, an electrically releasable latch for each door, electrically operated means for opening and closing each window, an individual switch in the circuit of each of said latches operable from the inside and the outside of the vehicle, an individual switch in the circuit of each of said electrically operated means operable from the interior of the vehicle, a source of electric current, and a key operated master switch actuatable from the exterior of said vehicle and forming a connection between said source of current and the several individual switches effective upon operation of the key to disable the window and latch circuits to thereby prevent operation of the doors and windows by operation of their individual switches.

2,576,817
HYDRAULIC TRACER CONTROL UNIT
Arthur P. Waterson, Tulsa, Okla., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 1, 1948, Serial No. 18,427
8 Claims. (Cl. 82—14)



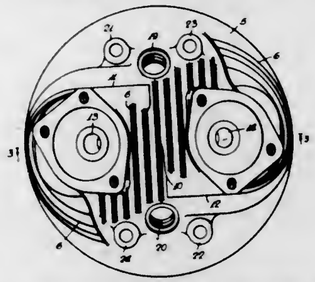
1. In a tracer control unit, valve sleeve actuating means comprising a pivotally mounted rocker arm, means at one end of said arm for connecting it to a valve sleeve, a stylus at the other end of said arm adapted to engage the edge of a template, hydraulic means normally biasing said arm to move said stylus away from the edge of said template, and a second hydraulic means adapted to overcome the first said hydraulic means and move said stylus into engagement with said template edge under the differential which obtains between said hydraulic means.

2,576,818
CATHODE-RAY POLAR COORDINATE VECTOR PLOTTER
Arthur H. Waynick, State College, Pa., assignor, by mesne assignments, to The Pennsylvania Research Corporation, a corporation of Pennsylvania
Application April 10, 1948, Serial No. 20,215
7 Claims. (Cl. 172—245)



1. A vector presentor comprising in combination, an oscilloscope including a screen for reproducing vectors under bombardment by an electron beam, sets of control electrodes for controlling the vectorial sweep of the beam over said screen, a plurality of input circuits excitable from signal energy, one of said input circuits being excitable from a reference signal voltage, a pair of multi-vibrator circuits having inputs and outputs, connections between said last mentioned input circuit with the inputs of said pair of multi-vibrator circuits, two pair of electronic switches, the output of one of said multi-vibrator circuits being connected with one pair of said electronic switches and the output of the other of said multi-vibrator circuits being connected with the other pair of said electronic switches, connections from said electronic switches to said sets of control electrodes, said electronic switches being closed when the reference signal voltage passes through zero phase and for a short period thereafter and opened for the remainder of the time for determining the phase points of the reference voltage, and means for applying signal energy from said other input circuits to said sets of control electrodes at the reference phase instances for vectorially controlling the sweep of the electron beam with respect to said screen for visually reproducing the phase angles of the currents applied to said input circuits, together with an intermediate reference line established by currents applied to said first mentioned input circuit.

2,576,819
CYLINDER HEAD
Glenn D. Angle, Thomaston, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application October 23, 1946, Serial No. 705,189
4 Claims. (Cl. 123—41.69)



1. In a removably attachable cylinder head for a valve-in-head engine, a head block including a substantially flat bottom surface sealingly to be applied to a cylinder block, two planes of symmetry substantially normal to said bottom surface, said head block having two substantially alike independent manifolding duct systems having openings to both sides of said planes of symmetry, one of said duct systems being disposed symmetrically with respect to the other of said duct systems about said planes of symmetry, like cooling means for each of said duct systems, said head block including means for securing the same to a cylinder block, said securing means comprising means oppositely and symmetrically disposed about said planes of symmetry, whereby upon a 180-degree reversal of the positioning of said head block upon a cylinder block the function previously performed by one of said duct systems may be performed by said other of said duct systems and the function previously performed by the other of said duct systems may be performed by said one, all without impairment of cooling efficiency in either of said positions.

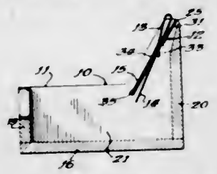
2,576,820
REVERSIBLE GEL COMPOSITION COMPRISING POLYVINYL ALCOHOL AND METHOD OF PREPARATION
Carl E. Barnes, Belvidere, N. J., and William O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 3, 1944, Serial No. 561,827
8 Claims. (Cl. 260—8)

1. A firm, transparent, thermo-reversible gel consisting of a water-soluble polyvinyl alcohol, water and from about 1 to about 20%, based on the weight of the polyvinyl alcohol, of a water-soluble nitrogeneous compound selected from the group consisting of water-soluble proteins and protein-degradation products, said gel being prepared by drying a solution in water of the aforesaid components, and swelling the dried product thus obtained, in cold water.

2,576,821
TRANSPARENT, COLORLESS, COLOR-STABLE RESINS OF HALOACRYLIC COMPOUNDS
Carl E. Barnes, Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 23, 1945, Serial No. 601,344
13 Claims. (Cl. 260—78.5)

1. As a new composition of matter adapted to be mass polymerized to a transparent colorless color-stable resin, a composition consisting of a monomeric α-halogen substituted acrylic acid compound containing dissolved therein from 0.1 to 4% of a polymerizable free hydroxyl-containing partial ester of a polyhydric alcohol with an unsaturated acid, the amount of said polyhydric alcohol ester being within the limit of its solubility in the monomer, whereby the formation of color in the polymer is prevented.

2,576,822
BOBBY PIN HOLDER AND OPENER
Ernst A. Bartsch, Chicago, Ill.
Application May 11, 1949, Serial No. 92,675
2 Claims. (Cl. 132—1)



2. A device for spreading the legs of a bobby pin and holding the legs thereof in partially opened position comprising a supporting structure and a rearwardly inclined combination opener and holder plate member mounted upon the said supporting structure which includes an upper edge and a lower edge and a substantially uniplanar front face, said combination opener and holder plate member having a transversely and horizontally extending slot formed therein between the said upper edge and the said lower edge, a rearwardly extending guide flange formed integrally with the said combination opener and holder plate member and extending along the upper edge of the said transversely and horizontally extending slot for slidably guiding one leg of a bobby pin in a downward direction into and

through the said transversely and horizontally extending slot rearwardly of the said combination opener and holder plate member, and a forwardly extending stop flange upon and extending along a major portion of the central section of the said lower edge of the said combination opener and holder plate member upon the said front face thereof to limit downward sliding movement of one and the said first leg of a bobby pin relative to the said combination opener and holder plate member.

2,576,823

FLUORINATION WITH GRANULAR CrF_3 CATALYST

Anthony Francis Benning, Woodstown, N. J., Joseph Dal Park, Boulder, Colo., and Stanley Earl Krahler, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 13, 1947, Serial No. 785,812

6 Claims. (Cl. 260—653)

1. The process of preparing a fluorinated aliphatic organic compound which comprises reacting a halogenated aliphatic hydrocarbon of 2 to 3 carbon atoms, having at least one halogen atom other than fluorine, in the vapor phase with anhydrous hydrogen fluoride in the presence of hard refractory pellets consisting of substantially pure CrF_3 catalyst at temperatures of from about 450° C. to about 700° C. and separating the fluorinated compound.

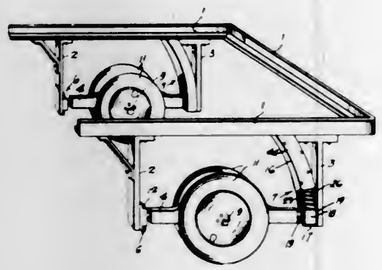
2,576,824

WHEEL SUSPENSION FOR TRAILERS

Ean Lee Bush, San Francisco, Calif.

Application February 21, 1947, Serial No. 730,062

2 Claims. (Cl. 267—20)



1. A wheel suspension for a vehicle frame, comprising a pair of brackets extended downwardly from a side of the frame of the vehicle, a suspension arm to rotatably support a wheel, universal pivoting connecting means between one of said brackets and said arm, an arcuate guide tube on the other bracket, a traveling block in said guide universally connected to the other end of said arm for vertical displacement, and resiliently yieldable means in said guide to normally urge said block and said arm and said wheel therewith downwardly.

2,576,825

PROCESS FOR MANUFACTURING CARBOXY ACYL DERIVATIVES OF SULFANILAMIDES

Geza Szabados Delmar, Montreal, Quebec, and Ernest Neil Macallum, Como, Quebec, Canada, assignors to Sharp & Dohme (Canada) Ltd., Toronto, Ontario, Canada, a corporation of Canada

No Drawing. Application November 29, 1949, Serial No. 130,074. In Canada December 4, 1948

6 Claims. (Cl. 260—239.95)

1. A process for the manufacture of an N^4-dicarboxyacylsulfanilamide wherein the carboxyacyl radical is derived from a dicarboxylic acid, comprising, reacting the alkali metal salt of a sulfanilamide in aqueous solution with the corresponding dicarboxylic acid anhydride without the addition of heat.

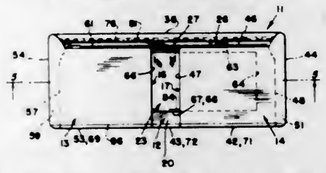
2,576,826

METHOD OF BINDING LAMINATED MATERIAL

Frank G. Dobbs and Stephan H. Dobbs, New York, N. Y.

Application December 15, 1948, Serial No. 65,366

2 Claims. (Cl. 18—56)



1. In a method of creasing and folding a piece of flexible plastic heat-sealable material, the steps comprising supporting one surface of said material on a flat backing, subjecting the opposite surface at a predetermined location to the impression of a thin straight edge while simultaneously heating with high frequency electric current directly said material along the line where contact is made with said straight edge to compress the material, and to make a groove in said opposite surface, at said location, whereby said material is provided with a crease, and subsequently folding said material away from said crease along the same while still at elevated temperature so that the crease forms the outer bending edge.

2,576,827

ACIDIFIED AQUEOUS EMULSIONS OF POLYVINYL ACETATE CONTAINING HYDROQUINONE AND METHOD OF MAKING

William E. Donahue, Pullman, Wash., and Stewart B. Luce, La Grange, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application April 5, 1950, Serial No. 154,192

4 Claims. (Cl. 260—29.6)

3. A composition which when dried forms a film having good water resistant properties comprising an aqueous emulsion of polyvinyl acetate having a pH of 2.5 or below and including ½% to 2½% by weight of hydroquinone, based on the amount of said emulsion.

2,576,828

CAST METAL MODEL RAILROAD TRACK

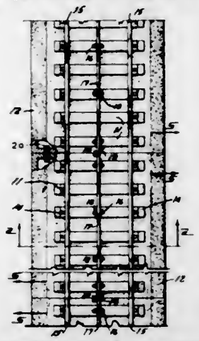
Wilmer P. Faber, Denver, Colo.

Application August 24, 1946, Serial No. 692,764

1 Claim. (Cl. 238—10)

A sectional model railroad track having a section formed of cast metal and a pair of spaced

rails cast integral therewith, means at the ends of the section to reversibly join either end thereof to a like section, pairs of upstanding members spaced longitudinally of the section, a third rail arranged between said pairs of members, means for electrically insulating said third rail from said members, said third rail having the ends thereof bent in opposite directions laterally of the longitudinal axis of the section and extending therebeyond, the construction being such that the ends of said third rail will provide electrical contact with adjacent third rails on like sections



in reversible positions of assembly, said first named means comprising a dowel pin secured to the section and projecting longitudinally beyond the end thereof at each end of the section, on opposite sides and the same distance from the third rail, an aperture in each end of the section, similarly disposed for receiving a dowel pin, whereby the sections may be reversibly joined, and a transverse pin extending through a portion of the section and a dowel pin to lock a section to a like section.

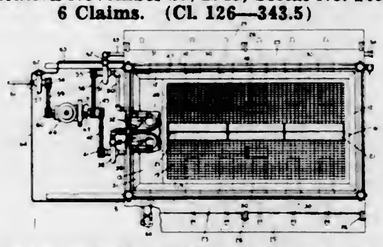
2,576,829

SNOW AND ICE MELTING MACHINE

Anthony Fiduccia, Cedar Grove, N. J.

Application November 29, 1949, Serial No. 129,925

6 Claims. (Cl. 126—343.5)



1. In a snow and ice melting machine, the combination of a water receiving trough, an enclosure for receiving a mass of snow and ice to be melted above said trough including an upper impervious wall structure, a lower wall structure extending down from said upper wall structure and located above said trough, said lower wall structure having downwardly dependent converging foraminous walls, means for directing flames toward the outer sides of said foraminous walls, heating coils to heat water, a horizontally disposed spray conduit connected to said heating coils parallel to and in engagement with, the upper edges of said upper wall structure with the spray outlets facing inwardly to direct heated water from the heating coils into the mass of snow and ice to be melted received within said upper wall structure, and a pump for supplying water through said heating coils to said spray conduit.

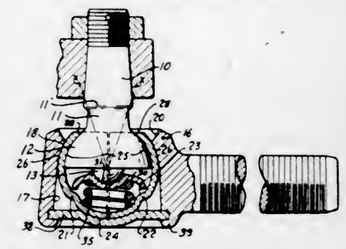
2,576,830

UNIVERSAL JOINT WITH WIDE ANGLE OF OSCILLATION

William A. Flumerfelt, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio

Application August 7, 1948, Serial No. 43,133

3 Claims. (Cl. 287—90)



3. In a universal joint arranged to permit a wide angle of oscillation between the parts of said joint, a housing having a cavity with an inner spherically-shaped portion and an open end with a widely flared edge extending substantially below the housing end adjacent to said spherical portion, said housing having its other end closed and a bearing therein; a pair of substantially identical cooperating ball seats each having an outside spherical portion fitting within the spherical cavity of said housing and a bearing portion at the other end of said seats, a transverse ledge formed integral with each of said seats, said ledge located between said spherical seating portion and said end bearing; a ball and ball stud having a ball portion seating within said seats and a stud extending outwardly through said flared open end of said housing, said stud having a reduced neck portion adjacent said ball to increase the angle of oscillation of said ball and stud relative to said housing, said stud having a central bearing surface at the other side of said ball opposite said reduced neck portion of said ball stud; a floating transverse spring retainer having a bearing surface adapted to contact said central bearing on said ball, the periphery of said retainer located adjacent said ledges on said ball seats; and a loaded spring interposed between said floating retainer and the inside end of said ball seats, whereby said ball and ball seats and said ball seats and housing are constantly maintained in operative position.

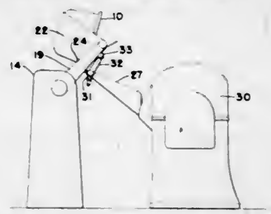
2,576,831

DOUGH TROUGH HOIST

Earl E. Folkenroth and Abelardo G. Avila, York, Pa., assignors to The Standard Stoker Company, Inc., a corporation of Delaware

Application June 23, 1949, Serial No. 100,912

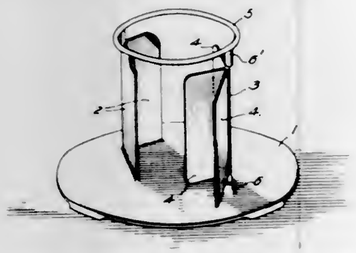
4 Claims. (Cl. 214—1.1)



1. In a device of the class described, a main shaft, rotary crank arms on the shaft, a cradle mounted to swing on the crank arms and bear

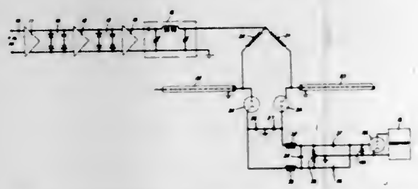
a dough trough, means to limit relative movement between the crank arms and the cradle whereby the arms will first raise the cradle with freedom to swing from them and afterwards will tilt the cradle to discharge dough from the trough borne by it, a chute associated with the cradle, and means to swing the chute from a position over the trough borne by the cradle to a position to receive dough from the trough.

2,576,832
CYLINDER HOLDER
Edward H. Gibson, Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 9, 1947, Serial No. 778,895
3 Claims. (Cl. 248—149)



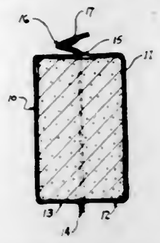
1. A cylinder holder comprising a base, two fixed stops forming an angle to each other rising vertically from the said base, a plurality of vertically rising stops rotatable on a vertical post fixed to said base, said rotatable stops being spaced from each other in a plurality of angles, the open faces of which are respectively rotatably opposable to the open face of the angle formed by the fixed stops, and a ring substantially in a plane with the base, said ring positively securing the post and the upper apex of the fixed stops, the combination being adapted to hold a cylinder resting on said base when the cylinder is placed within the said ring, in contact with the two stops assemblies.

2,576,833
FREQUENCY MODULATION DETECTOR
William M. Goodall, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1948, Serial No. 27,906
8 Claims. (Cl. 250—27)



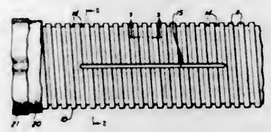
1. In a frequency modulation receiver, a constant resistance network comprising four arms composed of a first resistance, a second resistance, both of value R, an inductance of value L and a capacitance of value C, in that order in bridge configuration, in which $L/C=R^2$, an input for received frequency-modulated waves connected across the diagonal ending at the junction of the resistance arms, a rectifier across each reactance arm, and an output circuit for detected currents differentially coupled to said two rectifiers.

2,576,834
MARGARINE PACKAGE
Bernard T. Hensgen, Harvey, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1948, Serial No. 48,201
1 Claim. (Cl. 99—179)



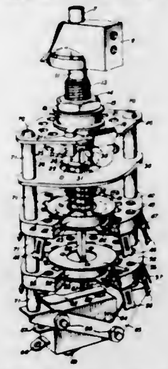
An improved package in which to distribute and thereafter color margarine, comprising a flexible sealed bag to hold the margarine; said bag being formed of two sheets sealed together adjacent their periphery; a print of margarine in said bag; said print being substantially smaller in volume than the volume of the bag; the two sheets forming one end of said bag being twice folded back; and a paste form of coloring dye disposed within the bag between the last fold and the adjacent seal connecting the sheets at said end of the bag whereby the dye is held out of contact with the margarine until it is desired to color it, whereupon it is necessary to merely squeeze the margarine in the bag to cause said wall to unfold in order to place the margarine and paste in contact with each other so that, with further squishing of the margarine and coloring dye together, the margarine acquires a uniform color.

2,576,835
FLEXIBLE WAVE GUIDE
William H. Hewitt, Jr., Mendham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1946, Serial No. 719,590
13 Claims. (Cl. 178—44)



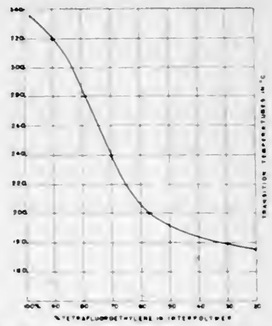
1. A flexible hollow wave guide for transmitting microwave signals, said guide comprising a conductive element formed in a helix having substantially a rectangular cross-section of certain dimensions, said guide having a slot of preselected configuration and predetermined dimensions formed in a wall thereof substantially along the entire length of said guide, said slot enabling said guide to maintain substantially said rectangular cross-section of said certain dimensions when a curvature is introduced into said guide substantially along the entire length thereof.

2,576,836
SWITCH
Harry A. Hilsinger, Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 7, 1947, Serial No. 766,953
6 Claims. (Cl. 200—4)



1. A rotary switch comprising a plurality of floating rotary wiper units, a like plurality of terminal banks, one for each wiper unit, each bank comprising a terminal plate of insulating material and a plurality of metal electrical contact terminals fixed in spaced relation in the arc of a circle on the surface of the insulator for successive engagement by the associated wiper unit, each of said wiper units comprising a non-conductive circular disc and a conductive circular disc fixed to each other and movably disposed on opposite sides of the associated insulator to rotate as a unit with respect to the insulator, said metal disc having an extending portion which constitutes a wiper for successively engaging the associated terminals one at a time, the inner end of one of the terminals in each bank being extended to make continuous contact with the metal disc of the associated rotor unit, the inner end of each of the other terminals in each bank being shorter than said one terminal so as to be normally out of engagement with said metal disc and to be engaged by the extending wiper of said disc only while in corresponding rotary position, a rotary shaft, a chassis including a bushing for supporting said shaft and means for mounting said terminal banks in parallel spaced relation, another shaft extending through and longitudinally movable to a limited extent with respect to said rotary shaft, said other shaft being rotatable as a unit with said rotary shaft and having an extension of rectangular cross-section passing through corresponding openings in a plurality of said rotor units and a further extending portion of circular cross-section normally extending through the rectangular opening in the last of said rotor units, a circular latching disc fixed on said other shaft adjacent the end of said rotary shaft, said latching disc having a slot in its periphery, a latching plate fixed to said chassis, said plate having an extending lug opposite the slot of said latch when said latching disc is in normal rotary position, a spiral spring bearing against the first rotor unit and said latch to maintain said shaft and extending portions in normal longitudinal position, push-button means for moving said shaft longitudinally against said spring while said shaft and rotor units and latching disc are in normal rotary position so as to position said latch on the other side of said latching plate and to extend the rectangular portion of said shaft into engagement with the rectangular opening in the said last rotor unit, a knob fixed to the end of said rotary shaft for turning said shaft so that the wiper of each engaged rotor unit makes contact with a corresponding terminal of the associated bank, said latch and latching plate being effective to prevent longitudinal movement of the shaft while in off-normal rotary position and to prevent return of the shaft to normal longitudinal position while the shaft is in off-normal rotary position after having been moved from normal rotary position while also in longitudinal off-normal position.

2,576,837
THICKENED OILS AND GREASES
Carl F. Irwin, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 28, 1950, Serial No. 181,861
20 Claims. (Cl. 252—58)



1. A composition which is a substantially completely fluorinated hydrocarbon oil distilling at temperatures in the range of from about 50° C. to about 300° C. at 10 mm. Hg pressure having incorporated therein an interpolymer of tetrafluoroethylene and chlorotrifluoroethylene in which the tetrafluoroethylene is in the proportion of from about 98.5% to about 20% by weight, the interpolymer being in the form of stringy fibrous masses and constituting from about 0.5% to about 20% by weight of the composition; such composition being stable and homogeneous in appearance, having a consistency in the range of thickened oils and greases at atmospheric temperatures, and being capable of being heated to temperatures between 175° C. and 400° C. where it forms a clear liquid and then cooled to atmospheric temperatures and to its original condition.

2,576,838
LABEL ATTACHING MEANS
James A. Jimenez, Temple City, Paul O. Bloomquist, South Pasadena, and William R. Wells, Los Angeles, Calif.
Application June 18, 1947, Serial No. 755,370
3 Claims. (Cl. 40—16)



1. In a means of the class described, a body having a channel of dovetail shape, a label posi-

tioned on the bottom of the channel, and a flexible transparent label attaching member of relatively flat tubular form of a width slightly greater than the width of the channel and capable of being folded laterally to a slight extent to adapt it to be inserted into the channel from the open side of the latter, the longitudinal edge portions of the member being caused to frictionally engage the inclined sides of the channel due to the inherent expansibility of the member so as to retain the label against the bottom of the channel.

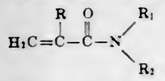
2,576,839

POLYMERIZATION OF ALKYLOLAMIDES OF THE ACRYLIC ACID SERIES

Giffin D. Jones, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 16, 1945, Serial No. 622,706
4 Claims. (Cl. 260—89.7)

4. A method of polymerizing an N-disubstituted α-substituted acrylamide of the formula



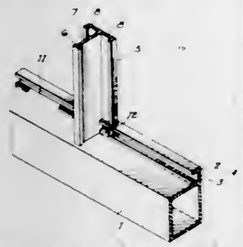
wherein R represents a radical selected from the group consisting of alkyl, aryl, cycloaliphatic and aralkyl radicals; R_1 represents alkylol; and R_2 represents a radical selected from the group consisting of alkyl, alkylol, cycloaliphatic, aryl and aralkyl radicals; which consists in treating the monomer with a peroxide polymerization catalyst, in a strongly acidic aqueous solution of an inorganic acid selected from the group consisting of sulfuric, phosphoric and hydrochloric acids, the acidity of said solution being of the order of that of approximately 10% aqueous sulfuric acid.

2,576,840

MUNTIN AND CROSS JOINT ANCHORAGE

Ward P. Kessler, Bristol, Ind., assignor to Victor M. Langsett, Chicago, Ill., as trustee

Application November 7, 1946, Serial No. 708,286
3 Claims. (Cl. 189—36)



2. In combination, an extruded rigid sash rail having a vertical wall and integral therewith a longitudinally extending inturned flange perpendicular to said wall, said rail having a second wall perpendicular to the first wall spaced from and parallel to said flange, an obtrusion on said second wall in the form of a longitudinally extending shearable ridge projecting therefrom toward said flange and underlying said flange and spaced apart from said first wall, and an extruded muntin of substantially block letter T form in transverse cross section, the T head portion of the muntin having inturned marginal flanges, one end of said muntin being seated on the second wall, the muntin near said end having a transverse slot through its T head portion proportioned to snugly yet slidably embrace the flange of said rail vertical wall and being vertically notched at said end to slidably embrace said ridge while the end of the T head extends into the space between the ridge and said first wall, a portion of said ridge in an area located laterally of the final desired location of the muntin end being cut away flush with the second wall to facilitate insertion of the notched end of the muntin between the ridge and first wall by lateral sliding movement of the muntin with said slot slidably engaging said rail flange, and means operative to restrain movement of the muntin laterally relative to the sash rail.

2,576,841

SOLVENT FRACTIONATION

William M. Leaders and Felix E. Lacey, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

Application January 17, 1946, Serial No. 641,712
3 Claims. (Cl. 260—419)

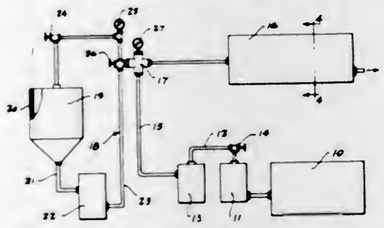
1. A process for the treatment of fatty materials containing relatively saturated and unsaturated constituents to obtain an improved separation of the highly unsaturated constituents, which comprises: first cooling a solution of the fatty material in a liquefied normally gaseous hydrocarbon as a solvent to a temperature of between +30° and −70° F. by evaporation of a portion of the solvent to crystallize between 10 and 60 percent of the more saturated constituents from the solution, and filtering the crystals from the solution; then warming the solution free of the more saturated constituents in the presence of additional normally gaseous hydrocarbon as solvent to an elevated temperature and pressure to form two liquid phases, separating the phases and recovering from the separated phases constituents of the fatty material having a higher and lower iodine value respectively.

2,576,842

METHOD OF MAKING VARIEGATED ICE CREAM

Edwin C. Lehner, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application November 12, 1949, Serial No. 126,797
10 Claims. (Cl. 99—136)



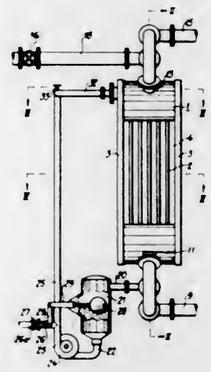
1. A continuous method of making a frozen confection containing finely divided solidified flavoring material comprising introducing a solidifiable flavoring material in a molten condition into a continuously moving stream of chilled confection mix prior to passing the said mix through a freezing zone having at least one scraping and agitating means revolving at relatively high speed therein, said flavoring material solidifying into irregularly shaped solid particles upon entering the said stream and being carried by the stream into the freezing zone, subdividing the solidified irregularly shaped solid particles into uniformly small particles of flavoring material by means of the said scraping and agitating means as the mix containing the said irregularly shaped solid particles moves through the freezing zone, discharging the said partially frozen mix containing the particles of flavoring material uniformly dispersed throughout from the freezing zone directly into suitable holding means without disturbing the normal flow of the said mix to prevent impairment of the body and texture thereof, and holding the partially frozen mix at a relatively low temperature to completely freeze the said mix.

2,576,843

HEAT EXCHANGE APPARATUS

Carl Johan Lockman, Stockholm, Sweden, assignor to Aktiebolaget Rosenblads Patenter, Stockholm, Sweden

Application April 20, 1948, Serial No. 22,215
In Sweden December 30, 1944
4 Claims. (Cl. 257—1)



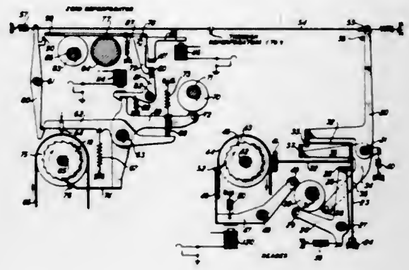
1. In a heat exchange apparatus having passages for conducting a heating medium and a scale forming liquid in heat exchange relation, said passages being formed between substantially equally spaced and parallel plate partition walls and each of the passages being open at the top and bottom, a valved inlet connection for conducting said heating medium to alternate passages, a valved outlet connection for discharging condensate from said heating medium from said passages, a valved inlet connection for conducting said scale forming liquid to the remaining passages, a valved outlet connection for conducting said liquid from said passages, valve means for interchanging the paths of flow of said heating medium and said liquid, a collecting device for receiving condensate discharged from said passages, a valved outlet connection from said collecting device, valved connections from said outlet connection to the open top ends of said passages, and means for selectively circulating condensate through said last named connections and discharging the circulated condensate in subdivided and distributed form on the topmost parts of the walls of said passages to remove scale deposits therefrom.

2,576,844

MECHANICAL GANG PERFORATOR

Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 15, 1945, Serial No. 635,355
21 Claims. (Cl. 164—114)



1. In a combined code sorting and reproducing mechanism by means of which multidigit entries, whose different digits are each symbolized by a different pattern of perforations on a recording medium to be sensed by a reading device, are selectively reproduced on the recording media of a plurality of reperforators, means controlled by the reading device in accordance with the digital patterns of an entry read by the reading device for preparing all the reperforators for operation to reproduce the digital patterns of the entry read, individual means at each of the reperforators for detecting a different one of the digital patterns of which an entry may be composed to the exclusion of all others, and means controlled by said detecting means and responsive to the detection thereby of a particular digital pattern for causing the operation of the corresponding reperforator.

2,576,845

METHOD OF PROTECTIVELY COATING METAL AND THE RESULTING COATED PRODUCT

Alexander McDonald, Gordon, near Sydney, New South Wales, Australia, assignor to Industrial Metal Protectives, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Original application November 14, 1946, Serial No. 709,770. Divided and this application October 24, 1949, Serial No. 127,985. In Australia January 17, 1946
7 Claims. (Cl. 117—71)

1. A method of coating metal comprising the steps of applying to the surface to be coated a composition comprising finely divided metal selected from the group consisting of zinc, aluminum, magnesium, cadmium and alloys thereof, the average particle size of which is 3 microns, at least 90% of which is capable of passing through a 400 mesh Tyler sieve, and an aqueous solution of alkali metal silicate, the ratio of alkali metal oxide to silica defined in moles being between 1:2.3 and 1:3.0, baking the first coating for a time sufficient to dehydrate and set the coating on the surface, and super-imposing on the first coating a composition comprising an aqueous solution of alkali metal silicate and finely divided lead dust.

2,576,846

COMPOSITIONS COMPRISING VAT DYES SENSITIVE TO OVERREDUCTION AND METHODS OF DYEING

Jerry M. Mecco, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1949, Serial No. 130,355
18 Claims. (Cl. 8—34)

1. A method of vat dyeing fibrous material to which alkali metal salts of leuco vat dyestuffs are substantive with a vat dye which is sensitive to overreduction at the boiling point of water in an ordinary vat containing strong alkali and sufficient reducing agent to maintain reduction of the vat dyestuff, which comprises effecting the dyeing in the presence of such a bath containing, in addition to the strong alkali and reducing agent for the vat dyestuff, an amount of a nitrogen compound in which a nitrogen is attached by at least one covalence to oxygen and by at least one covalence to an element other than oxygen or nitrogen equal to at least one-quarter the weight of the real dyestuff.

2,576,847

PYRANTHRONE DYE COMPOSITIONS AND PROCESS FOR DYEING

Jerry M. Mecco, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1949, Serial No. 130,359
18 Claims. (Cl. 8—34)

1. A method of vat dyeing fibrous material to which alkali metal salts of the leuco vat pyranthrone dye are substantive with a pyranthrone dye, which comprises dyeing the material at high temperature approaching the boiling point of water in a bath containing the dyestuff, strong alkali, reducing agent, and an amount of a nitrogen compound, in which a nitrogen is attached by at least one covalence bond to oxygen and by at least one covalence bond to an element other than oxygen or nitrogen, equal to at least one-quarter the weight of the real dyestuff.

2,576,848

OBTURATOR OR VALVE

Ernest Mercier and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia

Application June 19, 1945, Serial No. 600,390
In France September 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 12, 1962
6 Claims. (Cl. 251—51)



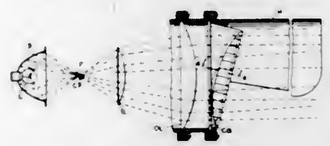
2. In a valve structure, a slide valve having a plurality of ports therein spaced in the direction parallel to the sliding movement of said valve, and means providing valve seats respectively cooperating with opposite faces of said slide valve for sliding movement of said valve in contact with and relative to said seats and providing members at both sides of said valve separating a plurality of passages respectively registerable simultaneously with said ports in said slide valve upon sliding movement of said valve to a given position relative to said seats, the shape and area of the cross section of the respective passages at said seats being substantially the same as the shape and area of the cross section of the ports registerable with said respective passages, said members each having a substantial extent in the direction transversely of said valve seats and having the surfaces thereof formed in substantially continuous smooth outlines in said direction, said outlines respectively being continuous with the outlines of the internal surfaces of the respective ports to form continuous nozzles of varying cross section along the respective passages through said means providing said valve seats and through said slide valve when said valve is in said given position, said outlines of the respective members which form opposite surfaces of the respective passages diverging from each other at least at a given side of said slide valve substantially from the smallest cross section of said passages, said members at the ends thereof spaced along said passages from said slide valve at least at said given side of said slide valve being curved smoothly to connect the outlines of adjacent passages at opposite sides of the respective members to form rounded noses on said members at said ends of said members.

2,576,849

LIGHT SIGNAL FOR RAILROADS

Edmund W. Moore, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 21, 1948, Serial No. 55,723
6 Claims. (Cl. 177—329)



1. A light signal comprising in combination, a cover glass associated with a source of projected light, said cover glass having its light passing surfaces comprising two intersecting planes, the line forming the intersection of said intersecting planes being inclined away from the vertical in such a manner that the upper portion of said intersecting planes projects outwardly in the direction of the projected beam farther than does the lower portion of said intersecting planes, and with said intersecting planes forming dihedral angles with the smaller of said dihedral angles facing toward the source of the projected beam.

2,576,850

GELLING OF POLYMERIC COMPOUNDS

Otis Willard Murray, Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 26, 1945, Serial No. 590,525
8 Claims. (Cl. 95—7)

1. The process which comprises treating a layer of a hydroxyl polymer which contains a large number of recurring intralinear

$$-CH_2-\underset{|}{CHOH}-$$

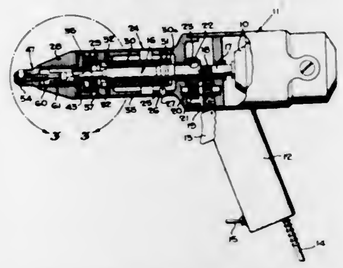
groups taken from the group consisting of polyvinyl alcohol, partially hydrolyzed vinyl ester polymers and polyvinyl acetals with an aqueous alkaline solution containing a compound taken from the group consisting of acylacetamides of aromatic amines which have an unsubstituted methylene group between the two carbonyl groups and their alkali metal salts.

2,576,851

IMPACT WRENCH

John P. Newman, Los Angeles, Calif.

Application July 19, 1948, Serial No. 39,383
7 Claims. (Cl. 192—30.5)



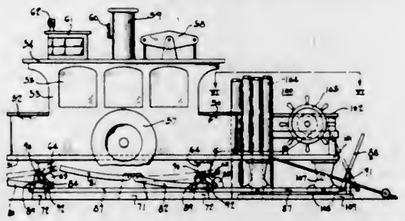
1. In an impact wrench, the combination of: a drive shaft; a driver member mounted coaxially of the drive shaft; power means for rotating the drive shaft; a hammer member rotatably mounted coaxially of the drive shaft; a resilient driving member adapted to rotate the hammer member and driven from the drive shaft; a movable clutch element slidably mounted with respect to the hammer member and constrained to rotate therewith; the drive member being provided with a jaw face; a cam member; means including relatively adjustable elements forming an angular lost motion connection whereby the cam member may be driven from the drive shaft; resilient means acting to move the clutch element into engagement with the jaw face; and cooperating parts on the cam member and clutch element for moving the latter in a direction in opposition to said resilient means.

2,576,852

AMUSEMENT DEVICE

William H. Nicholson, Woodbury, N. J.

Application May 2, 1946, Serial No. 666,685
1 Claim. (Cl. 104—81)



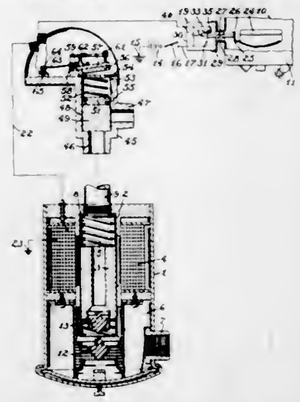
Support for a wheeled vehicle comprising, a base including a pair of parallel rail structures, each of said structures including a pair of first members having concaved upper surfaces and a pair of second members also having concaved upper surfaces, the concaved upper surfaces of said first and second members normally cooperating to provide pairs of arcuate upper surfaces whose chords are horizontal, said arcuate surfaces being adapted for reciprocatory rolling of a wheeled vehicle thereon in an arcuate path, pivot means supporting said second members at their ends adjacent their cooperating first members, and means supporting the other ends of the second members for limited swinging movement about the axes of said pivot means in the vertical longitudinal planes of the respective rails to a position where the cooperating upper surfaces of the first and second members provide pairs of surfaces inclined throughout their lengths, whereby movement of a wheeled vehicle thereon is other than arcuate.

2,576,853

FUEL SUPPLY SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Leland C. Parker, Elmira, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware

Application June 18, 1948, Serial No. 33,767
3 Claims. (Cl. 158—36.4)



1. A fuel supply system for internal combustion engines including a carburetor, a reciprocating electromagnetic pump, a source of electrical energy for actuating the pump and means for controlling the actuation of the pump to maintain a constant level of fuel in the carburetor including a conduit connecting the pump to the carburetor, an electrical circuit including said source and a pair of contacts located adjacent said conduit and in series with said source so that closure of the contacts causes actuation of the pump, and means responsive to flow of fuel through said conduit for opening said contacts; in which the means for opening said contacts includes a cylinder forming part of the conduit, a piston in the cylinder movable by the flow of fuel therethrough, a magnetic member exterior and adjacent to the cylinder, a second magnetic member movable by the piston into proximity with the first magnetic member, and means whereby movement of the first magnetic member by the attraction of the second magnetic member when so moved into proximity thereto causes the first magnetic member to open said contacts.

2,576,854

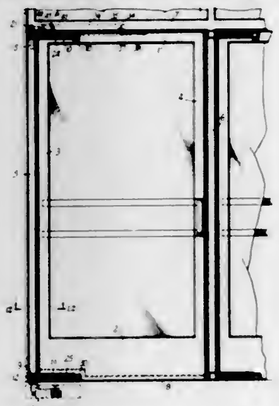
BALANCED PANIC DOOR

Edmund Peremi, Bayside, and Henry Weimann, Yonkers, N. Y., assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y., a corporation of New York

Application January 27, 1945, Serial No. 574,842
4 Claims. (Cl. 20—16)

1. In a balanced and panic door construction, a door framing having a transverse trackway, a door arranged within said door framing, support-

ing means for said door comprising a main vertical pivot member adjacent one side edge of said door, a supporting arm mounted adjacent one of its ends on said main vertical pivot member for pivotal movement about the axis thereof, a supporting arm pivot member pivotally connecting the other end of said supporting arm and said door between the side edges of said door, interengageable abutment means on said door and said supporting arm to limit the movement of said door about said supporting arm pivot member in one direction so that said door and said supporting arm may move as a unit about said main vertical pivot member only, a slidable pivot member slidable along said trackway toward and away from said main vertical pivot member in a predetermined and guided path, means for releasably connecting said slidable pivot member



to said door between said supporting arm pivot member and the side edge of said door remote from said main vertical pivot member comprising a panic arm having a releasable end connected to said slidable pivot member and pivotally connected to said door at its other end, and a latch for releasably securing said panic arm and said slidable pivot member to said door, said panic arm when released by said latch being freely pivotally movable in respect to said door, and said slidable pivot member being freely movable toward said main vertical pivot member in said predetermined and guided path throughout substantially ninety degrees of movement of said door on said main vertical pivot member only, and said panic arm permitting said door to move substantially ninety degrees on its said main vertical pivot member only, when said panic arm is released by said latch.

2,576,855

ORGANIC MERCURY COMPOUNDS OF XANTHINES AND PROCESS OF MAKING SAME

Walther Persch, Frankfurt on the Hochst, Germany, assignor to Cassella Farbwerke Mainkur, Frankfurt, (Main)-Fechenheim, Germany

No Drawing. Application November 15, 1949, Serial No. 127,509. In Germany October 1, 1948

8 Claims. (Cl. 260—253)

2. A process for preparing organic mercury compounds, which comprises mixing a water-soluble, acidic addition product of mercuric acetate and a xanthine derivative containing in two of the 1-, 3- and 7-positions a radical of the group consisting of methyl and ethyl and in the third position an unsaturated lower alkyl group, with a xanthine derivative containing in two of the 1-, 3- and 7-positions a radical of the group consisting of methyl and ethyl and in the third position a radical of the group consisting of dimethylaminoethyl, diethylaminoethyl and dibenzylaminoethyl in the presence of water.

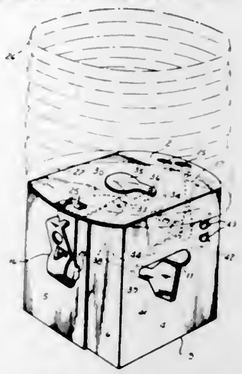
2,576,856

LAMP SOCKET

Harry C. Robertson, New York, N. Y.

Application December 2, 1947, Serial No. 789,265

5 Claims. (Cl. 200—51.17)



3. A lamp socket part comprising: a core body of sheet insulating material having a wall at one end and having four side walls integral with the end wall, two of said side walls having overlapping portions with alined perforations therein, and electrical terminal connections embodying clips provided with tongues passed through said perforations to maintain said overlapping portions in overlapped relation, in combination with a threaded inner shell having a perforated internal flange, additional tongues on the terminal clips extending through the perforations in said flange and bent over to secure said shell to the core body, a center contact mounted on the core body within the shell, a current carrying plate having perforations through which tongues on one of the terminal clips extend, and a switch arm pivoted to the center contact and manually movable into and out of contact with said current carrying plate.

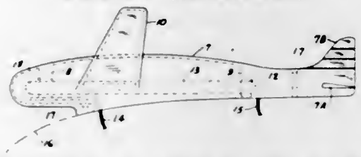
2,576,857

NEON LIGHT FOR AUTOMOBILE RADIATOR CAPS

Charles E. Rose, Detroit, Mich.

Application November 4, 1948, Serial No. 58,348

3 Claims. (Cl. 240—8.11)



1. A device of the character described adapted to be secured to the hood of an automotive vehicle and consisting of an integrated hollow transparent body simulating the fuselage of an airplane, the said fuselage having integral internal struts formed therein, there being tapered slots in said struts arranged to accommodate a neon tube, and a neon tube press fitted in said slots.

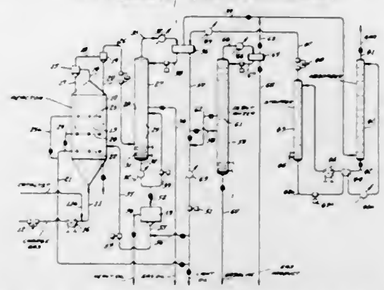
2,576,858

SYNTHESIS OF ORGANIC COMPOUNDS

Louis C. Rubin, West Caldwell, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application May 5, 1948, Serial No. 25,256

14 Claims. (Cl. 260—449.6)



1. In a process for the hydrogenation of a carbon oxide to produce organic compounds, including methane, by passing the reactants through a mass of finely-divided contact material comprising a mixture of catalyst particles of varying particle size, a substantial portion of which particles has free settling rates less than the superficial velocity of the gases passing through the reactor, under conditions of gas velocity such that a lower relatively dense pseudo-liquid phase and an upper relatively dilute phase of contact material is formed with an interface therebetween and further characterized by the entrainment of a substantial proportion of the contact material in the dilute phase at the gas velocities employed, the method for minimizing entrainment of contact material in the dilute phase and suppressing the formation of methane which comprises injecting into said dilute phase above said interface a liquid which is substantially free from solids and completely vaporizable at the reaction conditions.

10. A process for the hydrogenation of carbon monoxide which comprises continuously flowing a gaseous mixture comprising hydrogen and carbon monoxide upwardly in a reaction zone through a mass of finely divided contact material comprising a catalyst for the reaction at the reaction temperature to maintain the body of contact material substantially in suspension, limiting the upward velocity of the gaseous mixture to maintain the greater part of the mass of contact material in a relatively dense pseudo-liquid phase in which the particles of contact material circulate at a relatively high rate, providing a contact mass of sufficient bulk to produce a dense phase deep enough to afford a length of time of contact between the gaseous reactants and the catalyst effective to react a substantial proportion of said carbon monoxide with hydrogen to produce normally gaseous and liquid hydrocarbons, withdrawing a gaseous reaction mixture comprising unreacted hydrogen and hydrocarbons from said reaction zone, in a first condensation step cooling said effluent to condense hydrocarbons boiling above the gasoline range and removing same from said effluent, in a second condensation step cooling the uncondensed effluent from said first condensation step to condense a portion thereof, passing the cooled effluent from said second condensation step to an accumulation zone, passing uncondensed vapors comprising C_3 and C_4 hydrocarbons and unreacted hydrogen from said accumulation zone to an absorption zone, contacting said vapors in said absorption zone with a liquid hydrocarbon to absorb C_3 and C_4 hydrocarbons therein, stripping absorbed hydrocarbons from the enriched liquid hydrocarbon from said absorption zone, cooling and condensing the hydrocarbons thus recovered and passing same to said accumulation zone, removing condensate from said accumulation zone and injecting said condensate into said reaction zone.

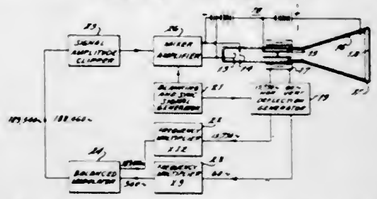
2,576,859

INDICATING TELEVISION IMAGE DISTRIBUTION

Alfred C. Schroeder, Southampton, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1950, Serial No. 141,380

5 Claims. (Cl. 315—24)



1. Apparatus for indicating the horizontal and vertical deflection linearity of an electron beam over a predetermined area of the luminescent screen of a cathode ray tube, comprising means for deflecting said beam at a horizontal deflection frequency and concurrently at a vertical deflection frequency, and means for modulating the intensity of said beam at a first frequency equal substantially to the sum of a multiple of said horizontal deflection frequency and a multiple of said vertical deflection frequency and concurrently at a second frequency equal substantially to the difference of said horizontal and vertical multiple deflection frequencies to produce upon said screen diagonal traces, the linearity of said traces being indicative of the horizontal and vertical beam deflection linearity.

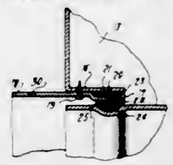
2,576,860

VIBRATION DAMPING AND SEALING MEANS FOR AIR DUCTS

Eli Shapiro, Dallas, Tex., assignor to Dearborn Stove Company, Dallas, Tex.

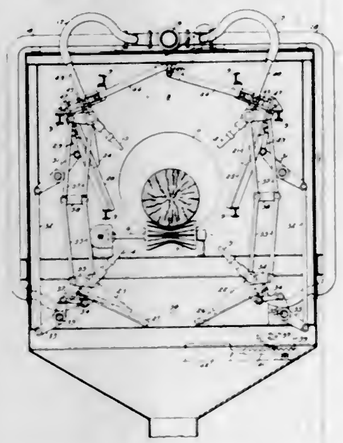
Application April 15, 1950, Serial No. 156,138

8 Claims. (Cl. 285—90)



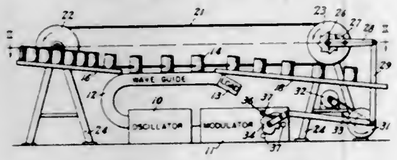
1. In combination: a wall member provided with an aperture; a flange extending perpendicularly from said wall member and forming the sides of said aperture; a first duct secured in said aperture to said flange; a second duct subject to vibration extending into said first duct; and an elastic seal comprising a bead, a seal flange parallel to and spaced from said bead, and a web integral with and connecting said bead and said seal flange, said seal flange being disposed between said flange and said first duct and said bead being disposed between said first duct and said second duct, said seal being compressed between said ducts and said flange.

2,576,861
HYDRAULIC BARKER WITH MULTIPLE NOZZLE OSCILLATING LINKAGE
Ernest C. Shaw, Milwaukee, and Melvin L. Jensen, Waukesha, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 18, 1948, Serial No. 60,744
15 Claims. (Cl. 144—208)



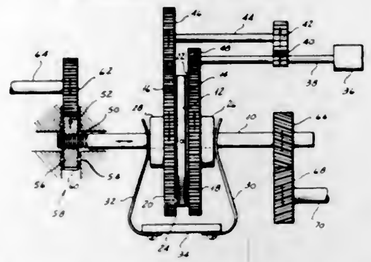
8. Cylindrical surface treating elements supporting and positioning means for a device for treating generally cylindrical work pieces of various diameters traveling longitudinally with lower surface portions following a substantially horizontal path determined by a bed, comprising a frame connected with said bed and surrounding said path in a plane substantially normal thereto and a plurality comprising four or more of treating element supporting guide tracks on said frame having their directional axes parallel to a system of straight lines approximately containing the intersections of a corresponding plurality of equiangularly spaced radii of cylinders of various diameters positioned on said bed with the peripheral surfaces of the respective cylinders.

2,576,862
METHOD AND APPARATUS FOR PRESERVING FOODSTUFFS
Kenneth A. Smith, Burbank, and Arthur L. Grinnell, Los Angeles, Calif., assignors to Electronic Chemical Engineering Company, Los Angeles, Calif., a copartnership
Application June 11, 1946, Serial No. 675,892
8 Claims. (Cl. 99—221)



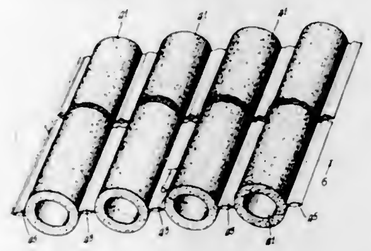
1. The method of sterilizing micro-organisms in foods which includes the step of subjecting the foods to electromagnetic waves of a radio carrier frequency and modulating the carrier with a frequency of such high value as will not cause appreciable heat in the foods, but which is lethal to the micro-organisms.

2,576,863
TORQUE AMPLIFIER
Maurits ten Bosch, White Plains, and Paul H. Lang, Katonah, N. Y., assignors to The Norden Laboratories Corporation, White Plains, N. Y., a corporation of Connecticut
Application February 1, 1950, Serial No. 141,797
12 Claims. (Cl. 74—388)



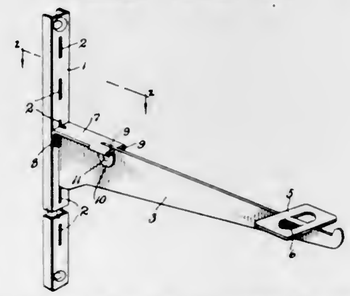
1. A torque amplifier, including in combination a prime mover, a shaft, means for mounting said shaft for rotary and axial movement, a pair of clutch members mounted on said shaft for relative rotation therewith, means for rotating said clutch members from the prime mover at equal speeds in opposite directions, a clutch plate secured to said shaft for rotation therewith and positioned intermediate the clutch members, said shaft having a portion formed with screw threads, a nut formed with internal threads engaging said shaft screw threads, means for preventing axial movement of said nut, input means for rotating said nut to move the shaft to increase the friction between the clutch plate and one of said clutch members whereby to rotate the shaft from a clutch member in the same direction as that in which the nut is rotating, and output means driven by the shaft.

2,576,864
MOLDED FILTER PRODUCT
John E. Valente, Neenah, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application July 13, 1946, Serial No. 683,336
9 Claims. (Cl. 210—204)



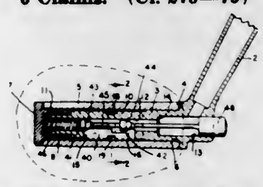
1. A filter element of the class described, comprising a porous, low density filter wall which is adapted to be interposed in the path of flow of liquid material to be filtered, said filter wall comprising a plurality of superposed sheets of thin, creped, cellulosic tissue which are bonded together by a plastic bonding material which substantially impregnates the constituent cellulosic fibers of said sheets, and at least one rib or flange member of relatively high density, compressed, plastic impregnated, cellulosic material which adjoins said low density wall portion and which is integrally bonded thereto by a localized concentration of said plastic bonding material extending from said rib or flange member into said low density wall portion.

2,576,865
BRACKET AND LOCK THEREFOR
Charles Frank Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application October 18, 1948, Serial No. 55,041
3 Claims. (Cl. 248—243)



1. In a bracket, an arm comprising, a flat plate of metal adapted to be located in a vertical plane, having spaced hooks extending from an end thereof adapting the arm to connect to a vertical post support, and a locking member movably mounted on and connected at one end with said bracket arm adjacent said end of the arm and at the upper edge portion thereof, said locking member at its opposite end having means adapted to bear and press against a supporting post to which the arm is connected when moved to one position with the locking member lying in substantially the same plane as the upper edge of said bracket arm, and disengaging with said post when moved upwardly from such position.

2,576,866
ANGULARLY ADJUSTABLE GOLF CLUB AND LOCKING MEANS THEREFOR
Joseph Verderber, Cleveland, Ohio
Original application March 21, 1945, Serial No. 583,902. Divided and this application June 14, 1949, Serial No. 99,021
6 Claims. (Cl. 273—79)



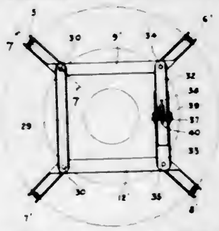
1. In a golf club, the combination of a hollow shank, a plurality of serrated members slidably mounted in circumferentially spaced relationship on said shank for radial movement relative thereto, a head rotatably mounted on said shank, said head having serrations therein engageable with said serrated members, means resiliently urging said members out of locking engagement with said head, cam means contained within said shank for effecting radial displacement of said members and spring means of greater strength than said first named means, engaging said cam means to yieldably maintain said cam means in camming engagement with said members whereby to lock said head against rotation relative to said shank.

2,576,867
SAFETY HARNESS
Leonard Lee Wilson, Jr., Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application September 25, 1950, Serial No. 186,553
3 Claims. (Cl. 155—189)



3. A combined seat belt and shoulder harness usable alternatively as a seat belt alone and having a single fastening and common slack take-up for both the seat belt and shoulder harness forming portions of the device and comprising, in combination with a seat having a back, strap guides adjacent the lower opposite edge portions of said seat back, straps extending from the upper, generally central portion of the seat back diagonally downwardly across the opposite corner portions of the back to form shoulder confining portions and extending in continuing, free sliding relation through said guides, across the seat, to form seat belt extension portions of said shoulder confining portions, and readily releasable means for quickly connecting the ends of said straps together as drawn through said guides for applying desired tension to both said shoulder confining and seat belt forming portions or for securing said strap ends together as tensioned to pull said shoulder confining portions flat against the back when using only the seat belt forming portions of the device, said straps being anchored at opposite sides in back of the seat back and extending diagonally upwardly in convergent crossing relation up over the back of the seat back and thence downwardly over the front of the seat back in the diagonally divergent relation first mentioned.

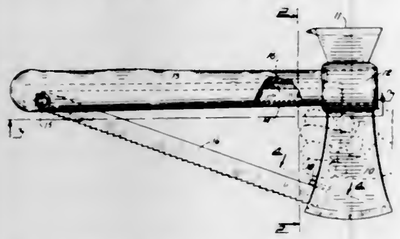
2,576,868
TRACTION ATTACHMENT FOR VEHICLE WHEELS
Robert E. Wolf, Waukesha, Wis.
Application August 3, 1946, Serial No. 688,177
6 Claims. (Cl. 152—228)



1. A plurality of traction devices for a vehicle wheel, each comprising unitarily a plurality of

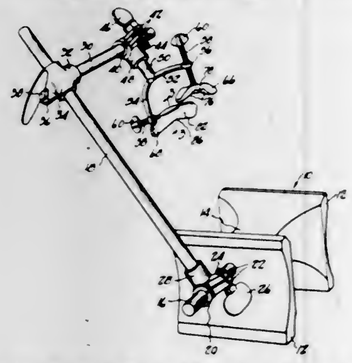
hooks and a member connecting said hooks for unitary handling, and adjustable means connecting said devices comprising a pair of telescopically slidable elements and a manually releasable cam lever mounted to one of said elements and engageable with the other in the direction in which said last element moves in extension for locking said elements in slidable connection, and means biasing said cam lever toward a position of locking engagement, whereby said elements are locked in each telescoped position to which they are thrust.

2,576,869
COMBINATION HAND AX AND SAW
Edgar C. Woltemath, Denver, Colo.
Application December 3, 1949, Serial No. 130,876
2 Claims. (Cl. 145—31)



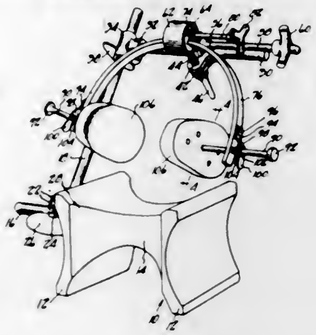
1. A foldable saw comprising an elongated handle provided at one end with a hand grip, the handle and the hand grip having a continuous groove, a saw blade positioned in the groove, the saw blade being pivoted to the handle near the outer end thereof, the saw blade, when in operative position, having its free end positioned in the groove in the hand grip, the groove in the hand grip being curved about the pivot of the saw, a stop for limiting the outward movement of the saw in the hand grip groove, the saw blade being foldable into the groove in the handle so as to be entirely within the outlines thereof, and means for latching the blade in both its operative and inoperative positions.

2,576,870
EMBALMER'S LIP HOLDER
Aubern E. Wright, Nappanee, Ind.
Application October 9, 1950, Serial No. 189,089
8 Claims. (Cl. 27—21)



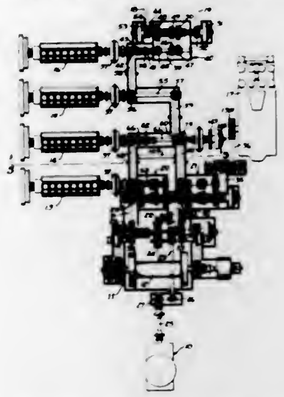
6. An embalmer's lip holder comprising a support, a carrier mounted on said support and adapted to extend around a portion of the head of a corpse, a pair of lip-engaging pad members, and a pair of spaced elongated members adjustably mounted by said carrier and extending in converging relation, each elongated member having a swiveled connection with a pad.

2,576,871
EMBALMER'S JOWL HOLDER
Aubern E. Wright, Nappanee, Ind.
Application October 9, 1950, Serial No. 189,090
6 Claims. (Cl. 27—25)



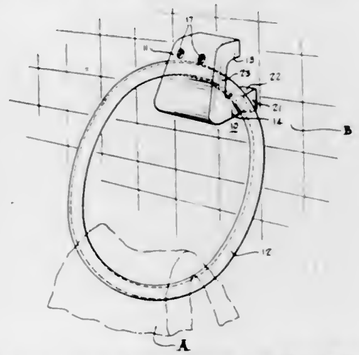
1. An embalmer's jowl holder comprising a support, a U-shaped member adapted to fit freely around the head of a corpse, a pair of jowl-engaging pads, adjustable means carried by and extending inwardly from the ends of said U-shaped member and each mounting one of said pads, and a rotatably adjustable clamp mounted on said support and adjustably mounting said U-shaped member.

2,576,872
ROTARY DRILLING RIG
Forrest J. Young, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1946, Serial No. 706,140
11 Claims. (Cl. 255—19)



3. In a drilling rig having two power-driven units and a plurality of engine units, the combination of: first and second multi-speed transmissions, means whereby the first multi-speed transmission may be driven by either one of two of said engine units, means whereby the second multi-speed transmission may be driven by either one of two of said engine units, whereby said multi-speed transmissions may be independently driven at different speeds, power-transmitting connections selectively operable to connect the first multi-speed transmission to drive the first of said power-driven units, and additional power-transmitting connections selectively operable to connect the second multi-speed transmission to drive either of the power-driven units, whereby both multi-speed transmissions may operate conjointly to drive the first power-driven unit.

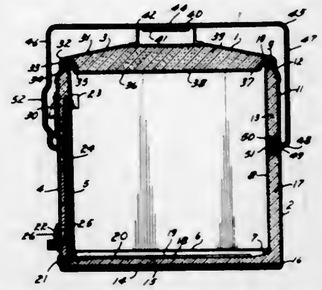
2,576,873
SUPPORT
Victor I. Zelov, Rosemont, Pa.
Application October 31, 1947, Serial No. 783,307
4 Claims. (Cl. 211—87)



1. Apparatus of the character described comprising a U-shaped supporting bracket having upper and lower legs and an opening extending transversely therethrough, a loop member having its upper portion extending through said opening with its lower portion extending downwardly therefrom, and a stepped surface formed on the upper portion of said lower leg with the riser of said steps opposed to the front wall of said opening and spaced rearwardly therefrom a distance materially less than the front-to-rear thickness of the loop member upper portion, whereby when the upper portion of said loop member is positioned between said riser and said opening front wall and on the lower of said steps said loop member is held inclined with respect to the vertical.

2,576,874
BEVERAGE AND FOOD CABINET WITH A HEATING ELEMENT THEREIN
Grant M. Acton, Arkansas City, Kans., assignor to Acton Products, Inc., Arkansas City, Kans., a corporation of Kansas
Application July 28, 1950, Serial No. 176,455
5 Claims. (Cl. 219—19)

5. A portable cabinet for use in maintaining food and bottled beverages hot or cold comprising, inner and outer shells each having side, end and bottom walls, respective walls of said shells being spaced apart, insulation in the spacing between the respective side, end and bottom walls, the upper ends of the respective side and end walls of said shells being connected to form a box having an open top, the inner shell of said box being adapted to contain ice and bottled beverages therein, an insulated cover having marginal portions adapted to seat on the walls for closing and sealing the box opening, an electric heating element in the space between the bottom of the inner shell and the bottom of the outer shell, an electric circuit including means for connecting the heating element with a source of electric energy, and a switch for controlling the electric circuit for regulating the energization of the heating element.



2,576,875
SEARCHLIGHT
Jan Bergmans and Dirk Vermeulen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application August 9, 1947, Serial No. 767,691
In the Netherlands August 27, 1946
5 Claims. (Cl. 240—41.3)

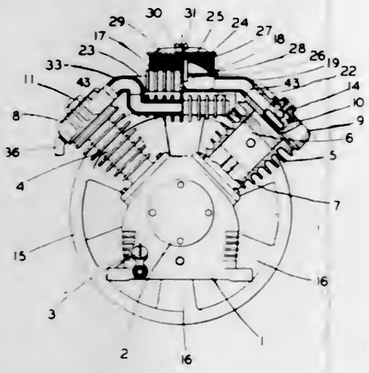


1. Searchlight apparatus, comprising a source of light, an optical system for directing said light in a given direction and producing a given illuminated area comprising a first part and a second part, a light screen member and means for directing the said light from said given direction, said first part of said system producing at least one real image of the said light source in the focal plane of the said second part, said second part forming a beam of the light radiated by the said real image, said light screen member being shiftable relative to the said optical system approximately in the direction of the said focal plane for variably screening the said light and thereby reducing the said illuminated area along one boundary thereof, said directing means coacting simultaneously to direct the said beam at least partly in the direction remote from the said boundary of said illuminated area so that the area of greatest flux intensity is still beamed by the said second part.

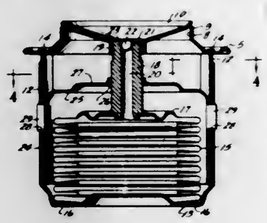
2,576,876
COMPRESSOR
Harold R. Gamble, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application November 17, 1947, Serial No. 786,515
5 Claims. (Cl. 230—182)

1. In an air compressor, a crankcase providing a supporting base for the compressor, two upwardly diverging cylinders mounted on the crankcase, a cylinder head on the top of each cylinder, air inlet and exhaust valves in each cylinder head, a crankshaft extending horizontally from the crankcase on one side of the cylinders, a pulley on the exterior end of the crank-

shaft, vane type spokes on the pulley directing cooling air between and around the cylinders and cylinder heads, cooling fins on the cylinders and cylinder heads, a finned air intake manifold spanning the space between the cylinder heads, said manifold having at its center a large upwardly facing circular opening, an air filter between the atmosphere and the opening, a finned compressed air manifold below the air intake manifold extending between the cylinder heads, and connections joining said manifolds with the cylinder heads, the contacting surfaces between the connections and each cylinder head lying in a plane parallel to the axis of the cylinder upon which the cylinder head is mounted.

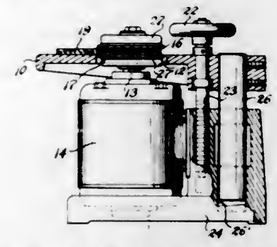


2,576,877
THERMOSTATIC VALVE CONTROLLING DEVICE
John E. Golob, Dayton, Ohio, assignor to Standard-Thomson Corporation, Dayton, Ohio, a corporation of Delaware
Application January 26, 1949, Serial No. 72,920
7 Claims. (Cl. 236—34)



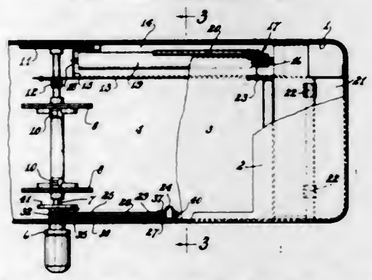
1. In a thermostatic device of the type comprising an apertured member to be mounted in a liquid cooling system, a valve to control the flow of liquid through said member, arms extending downwardly from said member, a plate carried by said arms, an expansible bellows having one end thereof attached to said plate, and a stem connecting said bellows with said valve; a cylindrical guard supported by and between said arms, extending about said bellows and having an open lower end adjacent to and spaced from said plate, and also having an end wall spaced from the movable end of said bellows and having an opening through which said stem extends, said arms having openings therethrough, and lugs struck from said guard and extending through said openings in the respective arms.

2,576,878
LEATHER TRIMMING DEVICE
Ralph W. Hall, Cincinnati, Ohio, assignor to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application June 30, 1950, Serial No. 171,293
3 Claims. (Cl. 69—1)



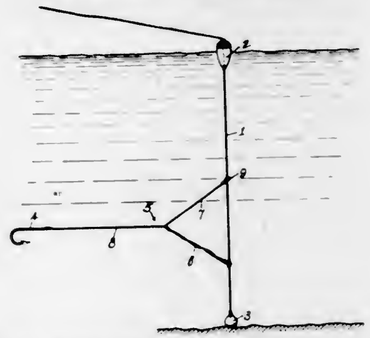
1. A device for edge-trimming a leather sheet which comprises a horizontal table having an opening therein, a vertical shaft extending through said opening, means for turning said shaft, a flat stop disc mounted on said shaft immediately above said opening, said stop disc being of lesser thickness than the leather sheet, a pair of flat cutter discs mounted on said shaft on opposite sides of the stop disc and engaging flush against the respective faces of the stop disc, the periphery of each cutter disc extending beyond the periphery of the stop disc, there being a plurality of teeth in the periphery of each cutter disc, each tooth having a quarter round cutting face having an outer edge parallel to and spaced from the stop disc and an inner edge tangent to the edge of the stop disc, the spacing between the outer edges of the teeth in said discs being equal to the thickness of the leather sheet, each tooth of the respective discs having a projection extending outwardly therefrom between which projections the leather sheet is received, the outer edges of the teeth of the lower disc being aligned with the top of the table, each projection having its inner face tangent to the outer edge of its tooth, whereby said projections engage and lie substantially flatwise against opposite faces of the leather sheet when on the table to guide the margins of the sheet against the cutting faces of the teeth as the cutters trim the margins of the sheet.

2,576,879
CARBON PAPER CROSS-FEED FOR AUTOGRAPHIC REGISTERS
Leslie A. Holman, Waltham, Mass., assignor to The McCaskey Register Company, Alliance, Ohio, a corporation
Application July 23, 1949, Serial No. 106,385
6 Claims. (Cl. 282—15)



1. A carbon paper cross feed for autographic registers having means for feeding a strip of superimposed sheets of paper including a drive shaft mounted transversely of said paper strip and a casing framing a writing table for successive registration of said sheets of paper, said cross feed comprising, a cam for said drive shaft, a roller wheel for positioning centrally at the side of said writing table and against an inner wall surface of the writing table casing frame, a stem carrying said roller wheel in fixed relation at one end thereof and a bracket rotatably mounting said stem for attachment to said inner casing wall with said stem at right angles to the drive shaft, a cam follower extending directly into the path of said cam and journaled on the other end of the stem for actuation by said cam and a clutch mechanism between said follower and stem to impart movement to the stem and roller wheel in one direction on movement of the follower in one direction by said cam and means to limit the reverse movement of said stem on reverse movement of said follower.

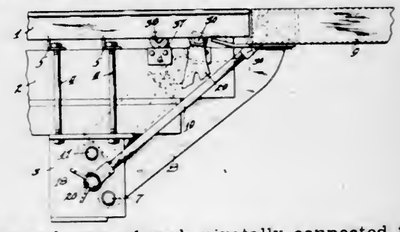
2,576,880
FISHING GEAR
Hans C. Jensen, Port Clinton, Ohio
Application May 29, 1947, Serial No. 751,385
2 Claims. (Cl. 43—44.85)



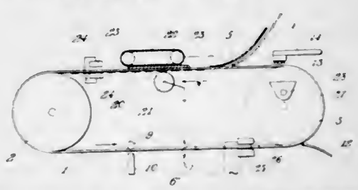
1. In a fishing gear including a continuous line to be suspended substantially vertically in the water from a bobber and having a sinker at its lower end to normally maintain the line taut between the bobber and sinker, a spring wire bridle of Y-form having a hook at the outer end of its leg and having its arms substantially vertically spaced with the lower arm fixedly attached at its end to the line and with the free end of the upper arm attached to but freely slidable on the line whereby the bridle normally stands in laterally projected position with the arms separated when the line is taut and which when drawn by a pull downwardly directed on its hook end causes the upper arm to slide down on the line toward the other arm.

2,576,881
TAIL GATE ELEVATOR LOADER FOR VEHICLES
Karl William Kern, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation of Ohio
Application May 11, 1949, Serial No. 92,676
2 Claims. (Cl. 214—77)

1. A device for hoisting merchandise to and from a plane with the body platform of a vehicle and a level therebeneath, comprising an elevator platform, a cross-head extending transversely of and to which at its opposite ends the elevator platform hingedly connects and longitudinally in bearing contact with the elevator platform to sustain the same in a horizontal plane and from which the elevator platform can be swung in an arc to a vertical position to provide a tail gate for the rear open end of the vehicle body, supports secured to and depending from the frame structure of the vehicle beneath its body platform, a pair of companion levers one of the ends of each pivotally connected to said cross-head and the other ends pivotally mounted on said supports, a pair of companion links one of the ends each pivotally connected to said cross-head eccentric to the pivot points of said levers and the other ends one of each pivotally connected to a support eccentric to the pivot points of said levers, a power unit connected to said supports and to said levers intermediate thereof for translating said elevator platform, a pair of levers pivotally mounted upon said frame structure of the vehicle adapted for making a coupling connection with said elevator platform to swing the same from a horizontal plane to and from a vertical position within the degree of elevator travel, and manually operated latch means mounted upon the frame structure of the vehicle for connecting the same to said first named levers to sustain the same against motion when the elevator platform is in an elevated position either horizontally or vertically to the relief of the power unit.



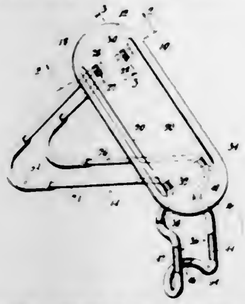
2,576,882
DEVICE FOR CONVEYING PAPER AND SIMILAR SUBSTANCES
Pieter Koole, Louis Raymond Bourgonjon, and Hendrik de Lange, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 4, 1947, Serial No. 789,664
In the Netherlands September 4, 1946
5 Claims. (Cl. 198—1)



4. A device for conveying material in the form of sheets, comprising a conveyor belt member of electrically insulating material having a first exposed surface for receiving the said sheets on one side of the conveyor and having a second surface on the opposite side of said conveyor member, means to longitudinally move said conveyor member, means to apply the sheets to be conveyed onto said first surface, an electrically conducting coating on a portion of said second surface, means to apply electrostatic charges to the exposed surface of the sheets to be conveyed and to the said conducting coating at a given point along

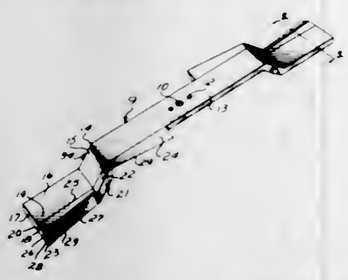
the length of the conveyor member, and means spaced from said given point in the direction of travel of the conveyor member to electrically interconnect the exposed surface of the said sheets and the said coating.

2,576,883
FOOTREST
Eino V. Koski, West New Brighton, N. Y.
Application July 3, 1946, Serial No. 681,259
8 Claims. (Cl. 155—165)



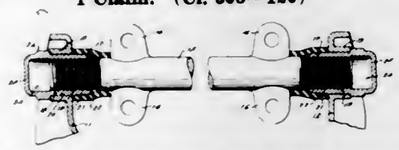
1. A foot rest comprising, in combination, an elongate member for supporting a person's foot, and means for supporting said member in spaced relationship with a supporting surface, said means including a pair of spaced, rounded V-shaped elements formed out of a unitary rod, the apex of each of said V-shaped elements being adapted to rest upon the supporting surface and the end portions thereof being attached to said member, each of said elements constituting a foot for said member and arranged parallel with the longitudinal axis of said elongate member, a third foot adapted for supporting said member at an acute angle with respect to the supporting surface, means for securing said feet to said member, and means on said third foot for supporting said foot rest upon a horizontal surface, said preceding foot rest means being also adapted to be attached to a vertical member.

2,576,884
CUTTER BAR FOR LAWN MOWERS
George W. Leigh, Independence, Mo.
Application November 7, 1949, Serial No. 125,863
3 Claims. (Cl. 56—295)



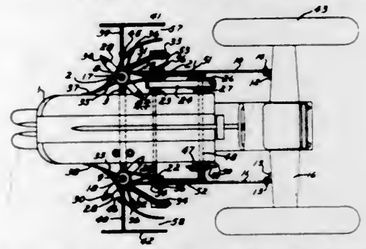
1. A cutter for a lawn mower of the rotary type having a vertical power driven shaft and adapted to be secured at a midpoint to said shaft for rotation therewith comprising, a bar having a horizontal center section forming arms extending in opposite directions from the shaft, said bar having downwardly and outwardly sloping portions at the ends of the horizontal arms and terminating in horizontal end portions extending outwardly therefrom below and parallel with the center section of the cutter bar, cutting blades having a center portion corresponding to the downwardly and outwardly sloping portions of the cutter bar and end portions extending from said center portion in alignment with the end portions and center section of the cutter bar, means for removably securing the trailing edges of said blades to the leading edges of the cutter bar, oppositely sloping bevels on the leading edges of the respective end portions of the cutting blade to form sharpened cutting edges, and interengaging means in the blade and cutter bar uniformly disposed about the center of the blade for maintaining the end portions of the blades in alignment with the respective portions of the cutter bar.

2,576,885
BUSHING
John W. Leighton, Port Huron, Mich.
Application August 28, 1947, Serial No. 771,111
1 Claim. (Cl. 308—120)



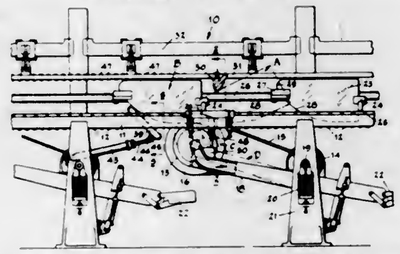
For use in an oscillatory, threaded bearing on a motor vehicle, a bushing having one end open and its other end closed by an integral end wall, the inner surface of the side wall of the bushing being threaded substantially from the open end to a point spaced from the end wall to provide a threaded bearing surface, the space between the end wall and the portion of the threaded bearing surface that carries the load being substantially greater than the normal space required for operating clearances and a flexible tubular rubber-like sealing element adapted to coact with the open and end of the bushing and with a cooperatively threaded male bearing portion interengaged with said bushing, to oppose to the escape of lubricant at the juncture of said bushing and male bearing portion.

2,576,886
VINE CUTTING AND WINDROWING ATTACHMENT
Millard D. McCoy, Kansas City, Kans.
Application July 10, 1948, Serial No. 38,100
3 Claims. (Cl. 55—62)



1. A device of the character described comprising, a frame including a transverse bar and parallel side rails having their forward ends attached to said bar and their rear ends to a tractor, vertical housings carried by the respective ends of said bar, shafts rotatably mounted in said housings, oppositely directed cutter arms fixed on the lower ends of said shafts for rotation therewith, blades fixed on the ends of said cutter arms, means for rotating said blades in opposite directions and moving cut vines outwardly from the tractor, guide means carried by the frame outwardly of the cutter arms for directing the cut vines into the path of the rear wheels of the tractor, a knife on each guide means for cutting vines from the cutter arms to prevent said vines from winding around the respective shafts, and means engaging the ground to the rear and laterally of the cutter arms for raising and lowering the forward end of said frame to maintain the blades in position relative to the ground for cutting the vines.

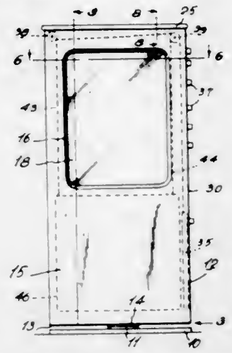
2,576,887
EDGING SHEETS AND PLATES
Edward C. Oberstar and Sydney G. Coleman, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 9, 1948, Serial No. 48,364
5 Claims. (Cl. 51—74)



1. In an apparatus for grinding the edges of sheets or plates having a curved leading edge and a bottom edge with a straight portion terminating at a sharp following corner, a runway for supporting said sheet on edge in a vertical position, a pusher for advancing the sheet forwardly in a generally horizontal direction along said runway, an edging tool located beneath and in alignment with said runway and over which said sheet is adapted to pass for finishing the leading and lower edge thereof, means for pivotally mounting the edging tool so that is is free to follow the contour of the lower edge of the sheet, means associated with said mounting means urging said grinding wheel upwardly and normally maintaining it in the path of travel of the forward edge of said sheet for downward movement by the sheet passing thereover, a pressure member located in the path of the upper edge of the sheet and engaging said edge during forward movement of said sheet to tilt the leading edge thereof downwardly into engagement with said edging tool, a support normally positioned in the path of and adapted for rolling engagement with the leading edge of the sheet after it leaves said edging tool and mounted for subsequent movement by said sheet out of the path of said edge, and means for maintaining said edging tool in the last grinding position it assumes until the following edge of the sheet passes therebeyond.

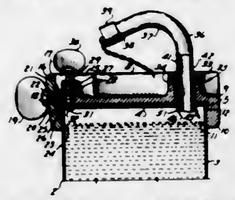
2,576,888
CHART DISPLAY CABINET
Benjamin L. Padgett, Washington, D. C.
Application July 26, 1945, Serial No. 607,119
3 Claims. (Cl. 40—65)

2. A display device comprising a cabinet having a storage portion and a display portion with a window, a series of spaced parallel guides mounted on one side of the cabinet, a series of parallel plates mounted on the opposite side of the cabinet, spacers between said plates, said spacers exposing the inner edges of the plates to form a second series of guides, panels movable in said guides from one to the other portion of



the cabinet, the said plates extending outwardly of the spacers, and terminating in flanges to form channels, counterweights in said channels, a series of pulleys over each series of guides, cables over the pulleys connecting the panels and counterweights and operating means on each counterweight extending outwardly between the said flanges.

2,576,889
PUNCTURING AND POURING DEVICE FOR SEALED CONTAINER, WITH SPOUT AND VENT
Oliver W. Partain, Tulsa, Okla.
Application February 17, 1947, Serial No. 728,997
1 Claim. (Cl. 222—83.5)



A device attachable to a sealed container for facilitating the pouring of the contents thereof, said device consisting of a base bridging the top of a container and having spaced threaded openings therein, clamping means on the ends of said base engageable with the sides of the container adjacent the top for holding the base thereon, a screw extending through one of the openings in the base and having threaded engagement therewith, a cone-shaped pointed end on said screw whereby threading of the screw into the threaded opening in the base will indent the container and will puncture a vent opening in the indentation, said tapered portion being adapted to seat in sealing engagement with the indentation around the vent opening for controlling the vent of the container by selectively rotating the screw, a pouring spout extending through the other opening in the base and having a hollow externally threaded shank in threaded engagement therewith, a tapered portion extending from the threads to the lower end of the shank of the pouring spout forming a relatively sharp circular edge at the end of

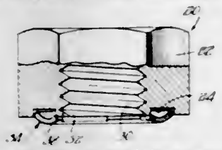
said shank, radially spaced serrations in the circular edge forming cutting elements on the lower end of said spout whereby rotation of the spout will move the serrations into engagement with the top of the container and cut an opening therein to provide communication between the interior of said container and the hollow pouring spout, the tapered portion on the spout being adapted for sealingly engaging the edges of the opening cut in said container in response to further rotation of the spout, and a cover means on the spout for closing the pouring end of said spout.

2,576,890

THREAD GRIPPING LOCK NUT

Ouglјesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application July 22, 1949, Serial No. 106,252
4 Claims. (Cl. 151—19)



1. A fastener unit comprising a nut, a radially yieldable annular locking section integral with the nut at the clamping side thereof and coaxial with the threaded opening therethrough, an annular sheet metal washer having inner and outer margins relatively spaced axially with respect to one another and defining an intermediate body portion therebetween, shoulder means on the clamping side of the nut spaced outwardly from said locking section, the intermediate body portion of the washer being gradually curved between the inner and outer margins with the convex surface thereof normally extending axially beyond the clamping face of the nut to provide a work engaging surface with the outer margin of the washer disposed adjacent said shoulder means to limit movement thereof and with the inner margin of the washer spaced axially from the outer margin and toward the clamping face of the nut and disposed adjacent the free extremity of said locking section, the inner margin of said washer presenting lug surfaces spaced circumferentially thereabout and the axially deflected body portion of the washer being stressed against the work surface when the nut is tightened for urging the spaced lug surfaces of the inner margin of the washer inwardly against the locking section adjacent the free extremity thereof whereby to urge the locking section radially into binding engagement with the threads of a complemental threaded fastening element.

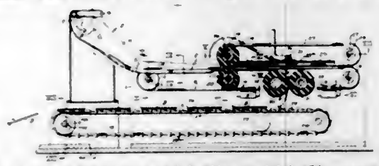
2,576,891

APPARATUS FOR ALIGNING BALLOONS OR THE LIKE

Daniel P. Reynolds, Massillon, Ohio, assignor to The Oak Rubber Company, Ravenna, Ohio, a corporation of Ohio

Application August 18, 1948, Serial No. 44,966
12 Claims. (Cl. 198—29)

1. Balloon sorting apparatus comprising a relatively narrow feed trough having a recessed center rib extending longitudinally thereof, said feed trough having a vertically extending portion and a horizontally extending portion with said rib extending therebetween, a pair of belt means for supporting the lateral portions of the balloons and carrying them along the horizontal portion of and beyond said trough, said trough being adapted to feed balloons deposited thereon onto said belt means, said belt means being spaced laterally of the apparatus, a second pair of belt means, means positioning said pair of belt means above parallel and opposed to said first pair of belt means at the end of said trough to resiliently engage with opposed lateral portions of any balloon thereon, means for rotating said pairs of belt means at the same speed, a pair of roll means positioned in association with said first pair of belt means at the end of said trough to aid in feeding balloons to said second pair of belt means, said roll means being driven at a greater



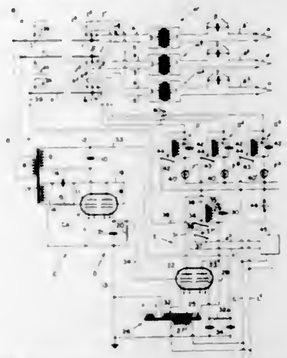
surface speed than said belts, said belt means cooperating to permit the necks of any balloons carried thereby to be suspended therebetween, an air jet for forcing the balloon necks down between said pairs of belts, a pair of resilient rolls positioned adjacent and below said belt means to engage with the neck of any balloons carried thereby, means for rotating said rolls at a greater surface speed than the speed of said pairs of belt means to pull said balloons out of engagement with said pairs of belt means, and notched belt means for receiving balloons neck first from said rolls and discharging same neck first at a desired point.

2,576,892

TESTING APPARATUS

Leonard Stanton, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 30, 1949, Serial No. 107,705
1 Claim. (Cl. 175—183)



Automatic mechanism for successively testing a group of measuring elements so that each element is tested at regular intervals, comprising testing mechanism, periodically operating switching mechanism arranged to successively connect said elements one at a time to said testing mechanism in regularly repeated cycles, indicating means including a separate indicating device and a separate hold in relay associated with each element, a second switching mechanism, means included in said testing mechanism and arranged to operatively connect the last mentioned switching mechanism to said testing mechanism when the latter detects an abnormal condition of the element being tested, means actuated by said second switching mechanism when the latter is operated by said testing mechanism to energize the indicating device and the hold in relay which are associated with the last mentioned element, and circuit means through which said second switching mechanism when so operated connects the last mentioned hold in relay to a source of energizing current.

2,576,893

GAUGING AND SAMPLING WELL FOR VESSELS

James W. Stewart, Jr., Dinuba, Calif.

Application June 26, 1950, Serial No. 170,280
8 Claims. (Cl. 220—85)



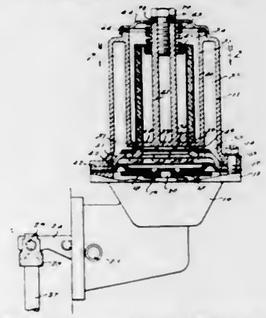
3. In a vessel for containing a volatile liquid and having a hatch forming a gauging and sampling opening and provided with a cover for closing said opening, a tube depending from the hatch opening into said vessel and having vertically spaced series of lateral ports in connection with the vessel for admitting liquid and vapor to said tube, valving members for said ports, means inter-connecting the valving members, and means connected with the valving members and engageable by the cover for shifting the valving members relatively to said ports responsive to the movement of the cover.

2,576,894

FUEL PUMP

Cornelius W. Van Ranst and Ward D. Smith, Dearborn, Mich.; said Smith assignor, by mesne assignments, to said Van Ranst

Application December 8, 1945, Serial No. 633,657
12 Claims. (Cl. 103—150)



4. In a fuel pump, a pump diaphragm, a lower casing member secured to the lower side of the pump diaphragm, an upper casing member, a plate interposed between said upper casing member and the pump diaphragm, said plate being recessed to form a pumping chamber, a vapor dome extending upwardly from said pumping chamber, a plurality of radially spaced openings in said plate, and an annular flexible disc secured to the upper side of said plate and having a radially outer peripheral portion overlying the radially outer of said radially spaced openings and effective in one position to prevent fluid flow therethrough and having a radially inner peripheral portion overlying the radially inner of said radially spaced openings and effective in one position to prevent fluid flow therethrough, at least one of said openings communicating with said vapor dome.

2,576,895

PREPARATION OF UREIDES

David E. Adelson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 16, 1949, Serial No. 93,629
7 Claims. (Cl. 260—553)

1. A process of producing an allophanyl-substituted hydrocarbon which comprises reacting biuret with a hydrocarbon having a labile hydrogen atom selected from the class consisting of isoalkylaryl hydrocarbons, isoalkanes, 1-alkines, aralkylidyne-methane hydrocarbons having hydrogen on the methane carbon, polyarylmethane hydrocarbons having hydrogen on the methane carbon, and indene hydrocarbons having hydrogen on the saturated carbon of the indene nucleus at a temperature between about 50° C. and about 350° C. whereby ammonia is formed and an allophanyl-substituted hydrocarbon is produced.

2,576,896

COMPOSITIONS OF MATTER FOR PRODUCING A SOFTENING EFFECT ON TEXTILES

Otto Albrecht, Neuewelt, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application June 19, 1947, Serial No. 755,709. In Switzerland June 28, 1946
4 Claims. (Cl. 252—8.75)

1. Composition of matter producing a softening effect on textiles and consisting of an aqueous dispersion of a partial ester of a fatty acid with at least 12 carbon atoms and a member selected from the group consisting of a glycol and a glycol ether of the formula

$$HO(CH_2—CH_2—O)_x—CH_2—CH_2—OH$$

wherein x is at least one, said dispersion containing a water-soluble salt of a carboxylic acid of the formula

$$R'—CO—NH—CH_2—S—CH_2—C(=O)—OH$$

wherein R'—CO— is the acyl radical of a fatty acid with at least 16 carbon atoms, said dispersion containing also a water-soluble salt of a sulfonated benzimidazole in which the μ carbon atom of the imidazole ring is bound to an alkyl radical of at least 12 carbon atoms, the relative proportions of the ingredients being about 50 parts by weight of the ester to 28–35 parts by weight of the water-soluble salt of the carboxylic acid and 15–22 parts by weight of the water-soluble salt of the sulfonated benzimidazole.

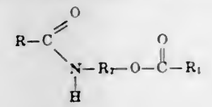
2,576,897

COMPOSITIONS OF MATTER CONTAINING SEMIESTERS OF DICARBOXYLIC ACIDS

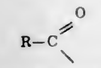
Otto Albrecht, Neuewelt, near Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application April 26, 1948, Serial No. 23,385. In Switzerland February 27, 1946
12 Claims. (Cl. 252—8.75)

1. A water-soluble composition of matter producing a softening effect on regenerated cellulose when applied in hard water consisting essentially of (*a*) 50–90 per cent. of a water-soluble salt of a semi-ester of the formula



wherein



is an acyl radical of an unsaturated fatty acid having at least 12 carbon atoms, R_2 is an alkylene radical which contains at least two carbon atoms, and wherein



is a monovalent acyl radical of a dicarboxylic acid which is free from double bonds between aliphatically bound carbon atoms and (*b*) of 10–50 per cent. of a lime-resistant dispersing agent, in which an aliphatic radical containing at least 12 carbon atoms is bound to a sulfonic acid group by a bridge containing at least one hetero atom, said agent being selected from the group consisting of sulfonated μ-alkyl-benzimidazoles wherein the μ-alkyl radical contains at least 12 carbon atoms, acid sulfuric acid esters of fatty alcohols containing at least 12 carbon atoms, aliphatic amino sulfonic acids wherein the amino group is acylated by a fatty acid containing at least 12 carbon atoms, aliphatic hydroxy sulfonic acids wherein the hydroxy group is acylated by a fatty acid containing at least 12 carbon atoms, and monoesters of fatty alcohols containing at least 12 carbon atoms with aromatic dicarboxylic monosulfonic acids of the benzene series.

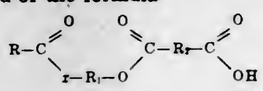
2,576,898

SEMIESTERS OF UNSATURATED DICARBOXYLIC ACIDS

Otto Albrecht, Neuewelt, near Basel, Switzerland, assignor to Ciba Limited, a Swiss firm

No Drawing. Application August 20, 1948, Serial No. 45,436. In Switzerland April 9, 1945
14 Claims. (Cl. 252—8.75)

1. A water-soluble composition of matter producing a softening effect on regenerated cellulose when applied in hard water, consisting essentially of (*a*) 50 to 90% of a water-soluble salt of a semi-ester of an unsaturated aliphatic dicarboxylic acid of the formula



wherein



is the acyl radical of a fatty acid containing at least 12 carbon atoms, x is a member selected from the group consisting of imino nitrogen and oxygen, R_1 is alkylene and R_2 is unsaturated alkylene, and (*b*) 10 to 50% of a lime-resistant dispersing agent, in which an aliphatic radical containing at least 12 carbon atoms is bound to a sulfonic acid group by a bridge containing at least one hetero atom, said agent being selected from the group consisting of sulfonated μ-alkyl-benzimidazoles wherein the μ-alkyl radical contains at least 12 carbon atoms, acid sulfuric acid esters of fatty alcohols containing at least 12 carbon atoms, aliphatic amino sulfonic acids wherein the amino group is acylated by a fatty acid containing at least 12 carbon atoms, aliphatic hydroxy sulfonic acids wherein the hydroxy group is acylated by a fatty acid containing at least 12 carbon atoms, and mono-esters of fatty alcohols containing at least 12 carbon atoms with aromatic dicarboxylic monosulfonic acids of the benzene series.

2,576,899

PARTIAL ESTERS OF POLYBASIC SULFIDE CARBOXYLIC ACIDS AND PROCESS FOR MAKING SAME

Otto Albrecht, Munchenstein, Switzerland, assignor to Ciba Limited, Basel, Switzerland

No Drawing. Application March 25, 1949, Serial No. 84,478. In Switzerland April 16, 1948
14 Claims. (Cl. 260—481)

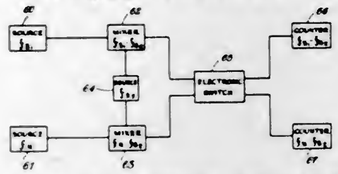
1. A process for the manufacture of a new partial ester of a polybasic sulfide carboxylic acid, which comprises heating substantially molecular proportions of a lower aliphatic mercapto-carboxylic acid which contains 2 to 4 carbon atoms and of a diester of maleic acid with a member selected from the group consisting of a hydroxyalkylamide of a fatty acid containing 12 to 18 carbon atoms and an aliphatic alcohol containing 6–18 carbon atoms, while excluding oxygen, to a temperature of 50–100° C. until the reacton product, after neutralization with an alkali hydroxide, is soluble in water.

2,576,900

FREQUENCY MEASURING DEVICE

Frank G. Brockman, Dobbs Ferry, N. Y., assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y.

Application June 13, 1946, Serial No. 676,383
4 Claims. (Cl. 235—92)



1. A device for measuring the frequency of variations of a voltage, comprising coupling means for a first voltage source the frequency of variations of which is to be measured, a second voltage source of known frequency, a third voltage source of known frequency, first voltage mixing means connected to said first and third sources providing a first mixed voltage source, second voltage mixing means connected to said second and third sources providing a second mixed voltage source, first counting means responsive to said first mixed voltage, second counting means responsive to said second mixed voltage, and switching means for simultaneously coupling said first voltage source to said first counting means and said second voltage source to said second counting means, and for simultaneously de-coupling said first voltage source from said first counting means and said second voltage source from said second counting means.

2,576,901

PREPARATION OF DELTA-VALEROLACTONES

Henry W. de Jong, Berkeley, Calif., assignor to Shell Development Company, Emeryville, Calif., a corporation of Delaware

No Drawing. Application October 16, 1950, Serial No. 190,435
11 Claims. (Cl. 260—344)

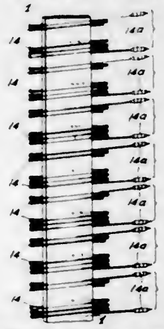
11. A process for the production of a substituted delta-valerolactone, said process comprising condensing an alpha-methylene aldehyde containing at least four carbon atoms and an alcohol in the presence of a basic condensation catalyst and distilling the condensate in the presence of a basic condensation catalyst at a distilland temperature above about 70° C.

2,576,902

METHOD FOR FLOW BRIGHTENING ELECTRODEPOSITED TIN ON TINPLATE

Clarence J. Duby, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application November 13, 1943, Serial No. 510,144
4 Claims. (Cl. 204—36)



1. The method of flow brightening electrodeposited tin on tinplate which comprises the steps of continuously moving tinplate endwise, generating a plurality of separate alternating currents and flowing said currents separately around and in inductive relation to said tinplate in separate zones arranged along the line of tinplate travel, each of said currents having a frequency ranging between about 100 kc. and about 300 kc. and sufficient wattage to melt the tin on tinplate while traveling through its zone at a lineal speed of about 200 feet per minute, the number of such zones being sufficient to heat the tin coating progressively while in said zones and to bring it to molten condition near the exit end of the last zone when the tinplate is traveling at the desired speed between about 200 feet per minute and more than 1,400 feet per minute, and quenching the molten tin immediately after the tinplate leaves the last zone.

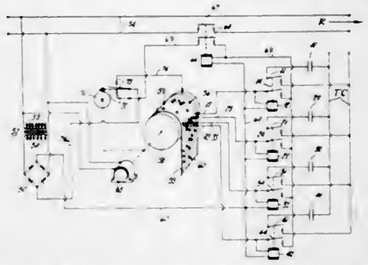
2,576,903

ELECTRICAL SWITCHING MECHANISM

Lewis W. Imm, Los Angeles, Calif., assignor to Librascope, Incorporated, Glendale, Calif., a corporation of California

Application March 4, 1950, Serial No. 147,678
6 Claims. (Cl. 171—97)

6. An electrical switching system comprising a selector including switching means selectively operable to effect an electrical connection between a supply line and any of a plurality of control lines, a program control element associated with said selector for controlling said switching means according to a preselected sequence, an activating switch operable to effect an electrical connection between said supply line and a source of electrical energy, a power line adapted for connection to electrically powered



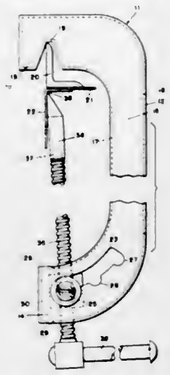
apparatus and including a power control switch, means including a relay energized upon connection of any of said control lines to said source of electrical energy for closing said power control switch, means including a holding switch operable to close a circuit through said relay shunting said selector, and a common actuating device for said activating and holding switches operable to close said activating switch, open said holding switch, close said holding switch, and open said activating switch, seriatim.

2,576,904

C CLAMP WITH ANGULARLY ADJUSTABLE PRESSURE ELEMENT

George J. Jessen, Philadelphia, Pa., and William C. Kenworthy, Atlantic City, N. J.

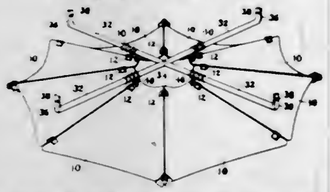
Application June 10, 1947, Serial No. 753,790
2 Claims. (Cl. 144—304)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A clamp comprising a frame, said frame having a fixed jaw, a movable jaw movable along a path toward said fixed jaw, said fixed jaw and movable jaw being in opposed clamping relation for clamping a workpiece therebetween, said frame having a portion for mounting said movable jaw, said portion being formed with an elongated slot extending transversely of a path between said portion and said fixed jaw, a thrust block disposed adjacent the slot and having a trunnion element extending into the slot, said

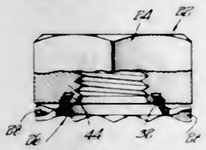
movable jaw being screwed through said thrust block so that said movable jaw can be adjusted by moving said trunnion element in said slot to direct said movable jaw toward a selected area of said fixed jaw from a selected one of a plurality of positions and screwed to move said movable jaw along the path toward the selected area.

2,576,905
ADJUSTABLE AIR DISTRIBUTOR
Otto A. Labus, La Crosse, Wis., assignor to The Trane Company, La Crosse, Wis.
Application March 26, 1948, Serial No. 17,221
8 Claims. (Cl. 98—40)



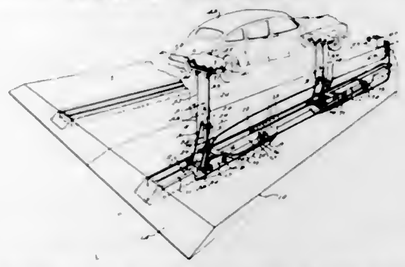
1: An air or gas distributor for directing the flow of air or gas from an outlet comprising a plurality of vanes having converging side edges and arranged about a central axis with the small ends of the vanes nearest the axis and with each converging side edge of each vane adjacent a converging side edge of an adjacent vane and means pivotally connecting each converging side edge of each vane to the adjacent converging side edge of the adjacent vane.

2,576,906
FASTENER UNIT
Ouglesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application July 22, 1949, Serial No. 106,255
5 Claims. (Cl. 151—37)



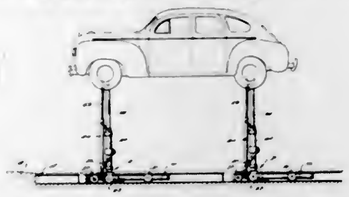
1. In a preassembled nut and lock washer including a washer member having an inner body in the form of an inwardly inclined continuous conoidal annulus with the free margin thereof providing an annular retaining section, said washer member having an outer locking section consisting of circumferentially spaced axially deflected locking portions extending outwardly from the base of said conoidal annulus, a nut member having an annular groove disposed closely adjacent the threaded bore of the nut to leave a clamping face substantially coextensive with said locking portions and a radially deformable annular skirt portion disposed radially interiorly of said clamping face, said annular groove being defined by wall surfaces extending inwardly from the clamping face and initially in relatively flaring position to provide a wide entrance to the groove facilitating insertion therein of said retaining section, said skirt portion being expanded radially outwardly after said insertion of the retaining section to reduce the width of the entrance to the groove and to approach and underlie the adjacent surface of the retaining section, thereby to prevent axial separation of the nut and washer while providing sufficient clearance to permit relative rotation of the washer and nut during tightening of the nut against a work surface.

2,576,907
HOISTING APPARATUS
David A. Wallace, Grosse Pointe Farms, Mich., assignor to Walco, Inc., Detroit, Mich., a corporation of Michigan
Application March 9, 1946, Serial No. 653,386
11 Claims. (Cl. 254—89)



4. Hoisting apparatus including a base structure, a boom member pivotally mounted adjacent one of its end portions on said base structure, mechanism for rotating said boom member about its pivotal axis, a seat pivotally mounted on the free end portion of said boom member for receiving an object to be elevated, said seat and boom member having registering abutment surfaces spaced from the pivotal axis of said seat and engageable for maintaining the latter in a substantially horizontal load supporting position when said boom member is in its upright position, and parallelogram mechanism for maintaining said seat in said position during rotative movement of said boom member from its horizontal to its upright position.

2,576,908
HOISTING APPARATUS
David A. Wallace, Grosse Pointe Farms, Mich., assignor to Walco, Inc., Detroit, Mich., a corporation of Michigan
Application September 20, 1947, Serial No. 775,191
28 Claims. (Cl. 254—89)



1. Hoisting apparatus comprising a boom member, a load receiving seat on one end portion of said boom member, means shiftably and pivotally supporting the opposite end of said boom member, means for holding said first mentioned means against displacement from a horizontal plane, a link member terminating at and pivotally connected at one end only with said boom member at a location between said seat member and supporting means, a fixed pivot member pivotally supporting the other end of said link member, and mechanism for shifting said opposite end of said boom member to move it from a generally horizontal to a generally vertical position.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

649,770. **N-TERTIARY BUTYL - N'- SECONDARY ALKYL - p - PHENYLENEDIAMINES.** Harold Von Bramer and Albert C. Ruggles, Kingsport, Tenn. Filed Feb. 23, 1946. Published Nov. 27, 1951. Class 260—577. No drawing. 17 pages of specification.

N-tert. butyl - N' - sec. alkyl - p - phenylenediamines and a process for the preparation thereof are described whereby a mixture of N-tert. butyl-p-phenylenediamine and a ketone are hydrogenated. The products are remarkably stable to atmospheric oxidation; they resist considerable exposure to air without darkening. They stabilize hydrocarbon-containing motor fuels against gum formation and in this respect are significantly more potent than N,N'-disec. butyl-p-phenylenediamine and do not cause undue coloration when present in motor fuels. They can also be added to tetra-alkyl lead solutions to retard haze formation therein prior to the addition of these solutions to motor fuels. Moreover, they are also useful as rubber antioxidants.

Ketones which can be employed in the process are acetone and methyl ethyl ketone. Hydrogenation catalysts include copper oxide-chromium oxide catalysts, copper oxide-chromium oxide-barium oxide catalysts, etc., which do not promote hydrogenation of the double bonds in benzene nuclei. The latter typical catalyst is advantageously employed and its preparation is described in detail. Briefly stated, a mixture of copper nitrate trihydrate, chromium nitrate pentadecahydrate and barium nitrate, dissolved in the minimum amount of water, are decomposed by gentle heating and all undecomposed nitrates are removed before using the resulting oxide mixture. The amount of this preferred catalyst which is employed is from about 0.5 to about 10 per cent by weight of the mixture of ketone and N-tert. butyl-p-phenylenediamine. The mol ratio of the ketone to the diamine reactant is advantageously more than 1:1 and is preferably about 5:1 to about 30:1. The temperature employed is between about 100° and about 250° C. The hydrogen pressure is between about 150 and about 3000 pounds per square inch.

As an example, N-tert. butyl-N'-sec. butyl-p-phenylenediamine can be prepared as follows:

20 g. (0.12 moles) of N-tertiary butyl-p-phenylenediamine were dissolved in 300 cc. (3.3 moles) of methyl ethyl ketone and the solution was charged into an autoclave with 5 g. of a hydrogenation catalyst comprising essentially an intimate mixture of copper oxide, chromium oxide and barium oxide. The contents of the autoclave was heated, with agitation, to a temperature of 165° C. Hydrogen was then introduced into the autoclave until the pressure in the system was 1000 pounds per square inch. Heating was continued at about 165° C., with agitation, for 5½ hours. The autoclave was then allowed to cool, and the contents were filtered to remove the catalyst. The filtrate was then evaporated to dryness, i. e. evaporated to remove the excess methyl ethyl ketone, and the residue (27.5 g.) was distilled at 1 mm. of Hg pressure. 24.2 g. (90% yield) of N-tertiary butyl-N'-secondary butyl-p-phenylenediamine were obtained as a colorless liquid. The liquid was cooled, without seeding, and did not crystallize at −35° C., at which temperature it was viscous. When cooled, with seeding, the liquid had a freezing point of 2° C. The liquid is remarkably stable to atmospheric oxidation, a sample of the liquid exposed for 24 hours to the atmosphere showing no change in color, at ordinary room temperature.

By substituting acetone in place of methyl ethyl ketone in a process similar to that in the above example, a product can be obtained which is N-tert. butyl - N' - isopropyl - p - phenylenediamine. A mixture of acetone and methyl ethyl ketone can be employed in accordance with the process to produce a corresponding mixture of products.

The efficacy of the phenylenediamine derivatives as inhibitors or retardants of the deterioration of motor fuels is shown by the following table:

Table

Inhibitor	Concentration (% by weight in motor fuel)	Induction Period (minutes)
none		75
N-tertiary butyl-N'-secondary butyl-p-phenylenediamine	0.008	705
N-tertiary butyl-N'-isopropyl-p-phenylenediamine	0.008	720

A description is given as to the preparation of the N-tert. butyl-p-phenylenediamine used in the above process which includes coupling equimolecular portions of o-chlorobenzene diazonium chloride with N-tert. butyl aniline at 20° to 25° C. giving a 90% yield of 4-tert. butylamino-2'-chloroazobenzene, dissolving this azo compound in ethanol, hydrogenating with gaseous hydrogen in the presence of a Raney nickel catalyst for 5 to 6 hours at 500 p. s. i. and 60° to 70° C. with agitation, subsequent cooling, filtration and evaporation of the reaction mass, treating the residue with aqueous caustic soda, separation and distillation at 1 mm. Hg of the alkali-insoluble portion giving approximately a 50% yield of N-tert. butyl-p-phenylenediamine boiling at 95° to 99° C. at 1 mm. Hg.

655,960 **METHOD OF MAKING A MAGNETIC CORE.** Jacob J. Vienneau, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed Mar. 21, 1946. Published Nov. 27, 1951. Class 29—155.61. 1 sheet of drawings. 6 pages of specification.

The application discloses a method of making a hinged rectangular curved magnetic core with a lapped corner joint for induction apparatus which is characterized by cutting through at one place a multi-radial-layer round core loop of wound magnetic strip material having a spacer strip between layers, removing the cut spacer

strip turns, circumferentially displacing adjacent cut turns of the magnetic strip material to form



a lapped joint, and pressure working the round core into rectangular shape with the lapped joint at one corner thereof.

774,717. **ELECTRIC DRESSING TABLE.** David L. Clark, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York. Filed Sept. 18, 1947. Published Nov. 27, 1951. Class 240—4.1. 2 sheets of drawings. 14 pages of specification.



A dressing table is provided with a number of various light sources **22**, **23**, **26** and **49** for simulating different lighting conditions, i. e., natural light, normal artificial light, and candle light, to aid in the application of cosmetics. The major light sources are arranged within a canopy at the top of the vertical mirror **6**, and at the sides of the mirror. A horizontal reflecting surface at the bottom of the mirror directs light upwardly toward the chin of a user. The table includes a wiring system and suitable switches for energizing any desired light source, and a radio **39** with loudspeaker **38**, a fan **40** driven by a motor **41**, and a heater **44**.

15,245. **SUPERREGENERATIVE AMPLIFIER.** Donald Richman, New York, N. Y. Filed Mar. 16, 1948. Published Nov. 27, 1951. Class 250—20. 2 sheets of drawings. 32 pages of specification.



Fig. 1 represents a superregenerative amplifier comprising a variable-conductance device including a regenerator tube **10** having a pair of input and a pair of output electrodes, a feed-back circuit including condensers **12**, **13** and **20** coupled between the electrodes of the tube, and a quench-signal generating network including the condenser **20** and a resistor **21** coupled to the input electrodes of the tube, the described variable-conductance device having a cyclically varying conductance-time characteristic which varies substantially linearly for substantially the entire duration of each conductance cycle. The super-regenerative amplifier also includes a fixed positive conductance comprising a parallel-resonant circuit **11**, **12** and **13** including a damping resistor **14** coupled in parallel with the variable-conductance device and having a conductance of opposite sign thereto and of a magnitude equal to that of the device at a time within the first two-thirds of the aforesaid cyclic conductance variation.

159,648. **COMPOSITION OF MATTER EFFECTIVE TO CAUSE THE RELEASE OF ADRENOCORTIOCOTROPHIC HORMONE FROM THE PITUITARY.** David M. Hume, Needham, Mass. Filed May 2, 1950. Published Nov. 27, 1951. Class 167—74. No drawing. 6 pages of specification.

The application relates to a composition of matter effective when administered intravenously to cause the release of adrenocortiocotrophic (ACTH) from the pituitary, and a method of preparing same.

The destruction of a tiny portion of the hypothalamus, a portion of the brain, abolishes the "alarm-reaction" in mammals which results from the stimulation of the pituitary and the adrenals in response to certain so-called "alarming" agents. Evidence obtained by extensive laboratory work suggests very strongly that the stimulation of the pituitary to release adrenocortiocotrophic hormone, hereinafter abbreviated as ACTH, and thus stimulate the adrenals to release 11–17 oxysteroids, such as cortisone, is effected by a hormonal agent (a so-called "hormone") rather than by direct nervous pathways. There is thus evidence of the secretion by the hypothalamus of a new hormone or other physiologically active substance effective to release ACTH from the pituitary, the resultant release of ACTH stimulating the adrenals to release 11–17 oxysteroids in a known manner. The release of 11–17 oxysteroids by the adrenals has, as is known, a distinct value in the treatment of arthritis.

The findings of the above mentioned laboratory work indicate that fresh mammalian hypothalamus may be extracted to produce a composition containing a physiologically active substance, said composition, when intravenously injected in laboratory animals in which the effect of the hypothalamus has been destroyed, being effective to stimulate the pituitary and the adrenals in a manner similar to the stimulation which occurs in response to "alarming" agents such as epinephrine, a well known stressing agent.

The method of preparing an extract containing this physiologically active substance from mammalian hypothalamus is somewhat similar to a number of processes customarily employed in extracting sensitive hormones and the like from other mammalian organs and glands, which in general comprise extracting the gland or organ with a suitable solvent under conditions capable of preserving the active substance, solvents such as acetone, ethyl alcohol, methyl alcohol commonly being used, removing the unwanted matter by precipitation or the like, and concentrating the resulting product.

The following example is given to illustrate the preparation of the composition of matter effective to release ACTH from the pituitary.

The hypothalamus is removed from freshly killed cattle in the following manner: The skull

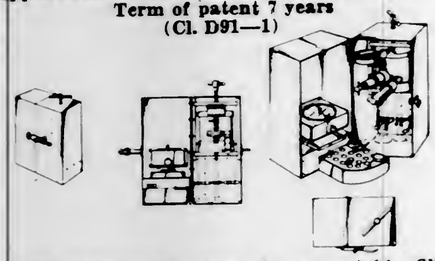
is split open, the dura is cut away, and the pituitary stalk, spinal cord, and the cranial nerves are divided. The brain is then lifted out intact. A cube of tissue about 2 cm. in all dimensions is then taken to include the area from a point just anterior to the optic chiasma anteriorly, to a point just posterior to the mammillary bodies posteriorly, and to the point at which the optic tract dips beneath the pyriform lobes laterally, and the corpus callosum superiorly. Immediately upon removal, the tissue is frozen in Dry Ice. Approximately 300 grams of this tissue is then added to 150 cc. of acetone in a Waring blender, to mince the tissue, and the mixture is blended for about 5 minutes, until a thick homogenous liquid is formed. This is then quickly filtered through a coarse fluted paper filter. The precipitate is discarded and the filtrate is transferred to a side arm suction flask which is connected to a high vacuum pump. Several glass beads are added to the mixture, the flask is tightly stoppered, and the pump is turned on so that it produces a vacuum of approximately 0.7 micron of mercury pressure. The vacuum is left on for several hours, until the mixture is almost entirely dry. 100 cc. of 0.85% saline solution is then added to the mixture to produce a sterile suspension of a physiologically active substance suitable for intravenous injection in laboratory animals.

The normal saline suspension so prepared was injected intravenously over the course of 30 minutes into laboratory animals and produced good eosinopenic responses both in normal animals and in animals whose hypothalamic lesions rendered them incapable of responding to the alarming agents tested.

DESIGNS

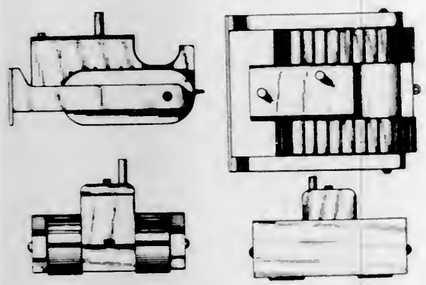
NOVEMBER 27, 1951

165,257
PORTABLE FILTER PRESS KIT
Glen W. Anderson, Oildale, and Durward B. Jones, Bakersfield, Calif.
Application December 19, 1950, Serial No. 13,500
Term of patent 7 years
(Cl. D91—1)



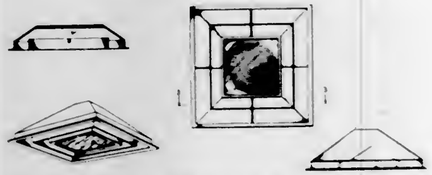
The ornamental design for a portable filter press kit, as shown and described.

165,258
TOY GRADING MACHINE
William Meredith Arnold, Jr., Hernando, Miss.
Application June 21, 1951, Serial No. 15,627
Term of patent 14 years
(Cl. D34—15)



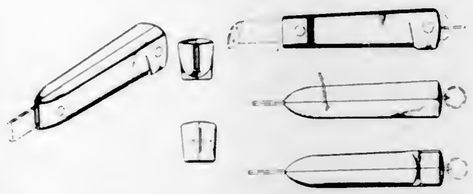
The ornamental design for a toy grading machine, substantially as shown.

165,259
CEILING LIGHT FIXTURE
Frederick C. Baker, Portland, Oreg.
Application March 8, 1951, Serial No. 14,434
Term of patent 14 years
(Cl. D48—23)



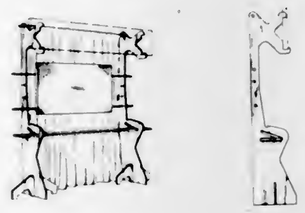
The ornamental design for a ceiling light fixture, substantially as shown.

165,260
COOKING UTENSIL HANDLE OR THE LIKE
James C. Baker, South Gate, Calif., assignor to Norris Stamping & Manufacturing Company, Los Angeles, Calif., a corporation of California
Application May 5, 1950, Serial No. 9,724
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a cooking utensil handle or the like, substantially as shown and described.

165,261
ADVERTISING DISPLAY STAND
Lewis Barry, Upper Darby, Pa.
Application February 3, 1951, Serial No. 14,094
Term of patent 3½ years
(Cl. D80—9)



The ornamental design for an advertising display stand, as shown and described.

165,262
BELT BUCKLE
Albert Bliss, Providence, R. I.
Application January 21, 1950, Serial No. 7,380
Term of patent 14 years
(Cl. D17—1)



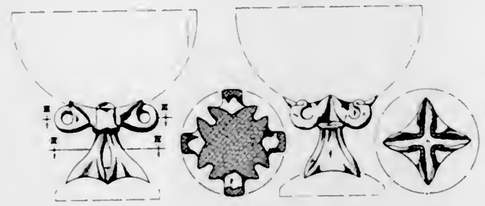
The ornamental design for a belt buckle, as shown.

165,263
BOOK END OR SIMILAR ARTICLE
Lorna T. Cardevaant, Edwardsburg, Mich.
Application March 1, 1950, Serial No. 8,242
Term of patent 3½ years
(Cl. D33—1)



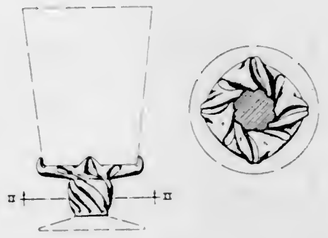
The ornamental design for a book end or similar article, as shown and described.

165,264
GLASS BOWL OR SIMILAR ARTICLE
Charles W. Carlson, Tiffin, Ohio
Application March 9, 1951, Serial No. 14,442
Term of patent 14 years
(Cl. D36—8)



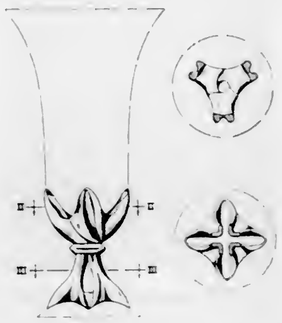
The ornamental design for a glass bowl or similar article, as shown and described.

165,265
GLASS VASE OR SIMILAR ARTICLE
Charles W. Carlson, Tiffin, Ohio
Application March 9, 1951, Serial No. 14,443
Term of patent 14 years
(Cl. D36—8)



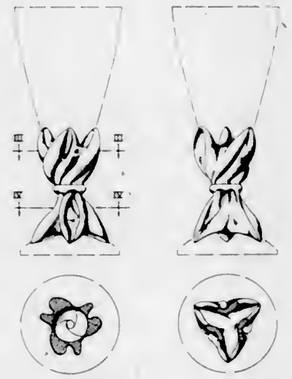
The ornamental design for a glass vase or similar article, as shown and described.

165,266
GLASS VASE OR SIMILAR ARTICLE
Charles W. Carlson, Tiffin, Ohio
Application March 9, 1951, Serial No. 14,444
Term of patent 14 years
(Cl. D36—8)



The ornamental design for a glass vase or similar article, as shown and described.

165,267
GLASS VASE OR SIMILAR ARTICLE
Charles W. Carlson, Tiffin, Ohio
Application March 9, 1951, Serial No. 14,445
Term of patent 14 years
(Cl. D36—8)



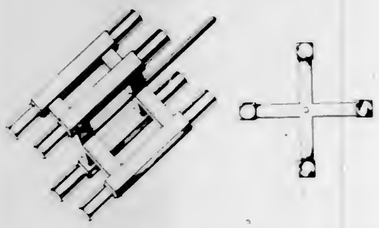
The ornamental design for a glass vase or similar article, as shown and described.

165,268
RUBBER MAT
Paul Clark, Fremont, Ohio, assignor to Fremont Rubber Company, Fremont, Ohio, a corporation of Ohio
Application July 25, 1949, Serial No. 4,131
Term of patent 14 years
(Cl. D9—6)



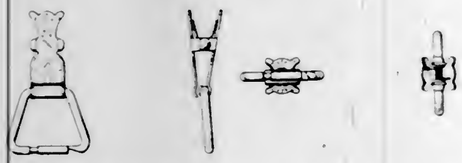
The ornamental design for a rubber mat, substantially as shown.

165,269
KITE REEL
John H. Cordell, Shreveport, La.
Application May 3, 1951, Serial No. 15,054
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a kite reel, as shown.

165,270
KEY HOLDER FOR A HANDBAG OR THE LIKE
Edward M. Davis, Brooklyn, N. Y.
Application November 30, 1950, Serial No. 13,204
Term of patent 3½ years
(Cl. D87—2)



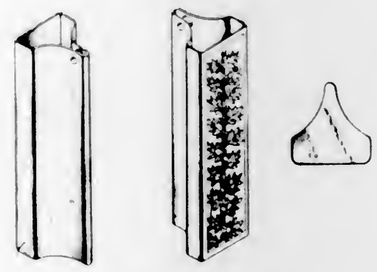
The ornamental design for a key holder for a handbag or the like, substantially as shown.

165,271
CREAM PITCHER OR SIMILAR ARTICLE
Valeria de Marsa, Los Angeles, Calif., assignor to Triangle Studios, El Monte, Calif., a copartnership
Application August 9, 1949, Serial No. 4,381
Term of patent 7 years
(Cl. D44—21)



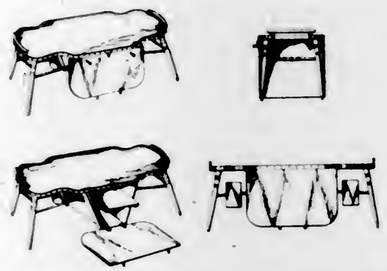
The ornamental design for a cream pitcher or similar article, substantially as shown.

165,272
COMBINATION HUMIDIFIER AND ARTIFICIAL FLOWER HOLDER
John Dioguardi, Brooklyn, N. Y.
Application December 28, 1950, Serial No. 13,615
Term of patent 14 years
(Cl. D35—3)



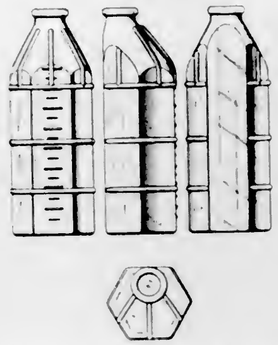
The ornamental design for a combination humidifier and artificial flower holder, as shown.

165,273
COMBINED TABLE AND CABINET
Richard James Dunlap, Colorado Springs, Colo.
Application September 21, 1951, Serial No. 16,702
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a combined table and cabinet, as shown.

165,274
BABY'S NURSING BOTTLE OR SIMILAR ARTICLE
Louis A. Dvonch, Chicago, Ill.
Application September 19, 1950, Serial No. 12,251
Term of patent 14 years
(Cl. D83—8)



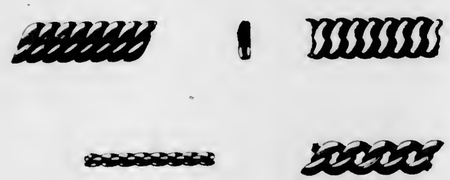
The ornamental design for a baby's nursing bottle or similar article, substantially as shown.

165,275
HAND PAINTED RIBBON TIE OR THE LIKE
Jean Faber, Flushing, N. Y.
Application December 13, 1950, Serial No. 13,419
Term of patent 7 years
(Cl. D3—16)



The ornamental design for a hand painted ribbon tie or the like, as shown and described.

165,276
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil E. Fachon, Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y., a corporation of New York
Application May 8, 1951, Serial No. 15,102
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

165,277
LADY'S STOCKING
Anthony Genesio, Glenside, Pa.
Application January 18, 1949, Serial No. 298
Term of patent 14 years
(Cl. D47—7)



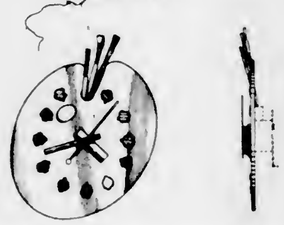
The ornamental design for a lady's stocking, substantially as shown and described.

165,278
STOCKING
Earl A. Gerhardt, Lynchburg, Va., assignor to Lynchburg Hosiery Mills, Inc., Lynchburg, Va., a corporation of Virginia
Application August 1, 1950, Serial No. 11,512
Term of patent 14 years
(Cl. D47—7)



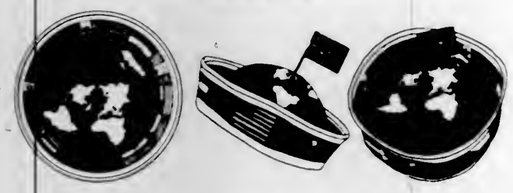
The ornamental design for a stocking, as shown.

165,279
CLOCK
Frank Gianascol, Lynn, Mass.
Application May 23, 1951, Serial No. 15,294
Term of patent 7 years
(Cl. D42—7)



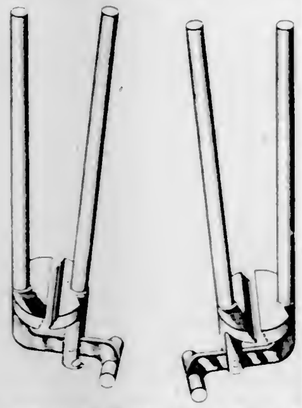
The ornamental design for a clock, as shown and described.

165,280
CAP
Leo V. Goodman and Thomas Neal, Indianapolis, Ind.
Application September 2, 1950, Serial No. 12,048
Term of patent 3½ years
(Cl. D3—13)



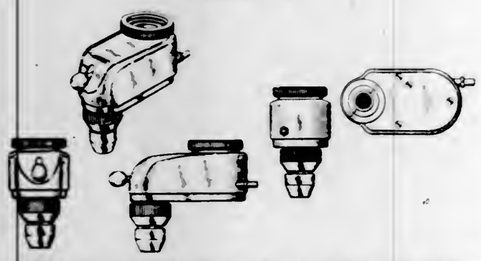
The ornamental design for a cap, as shown and described.

165,281
WIRE PULLING AND TWISTING TOOL
Carl H. Goodson, Jacksonville, Tex.
Application March 26, 1951, Serial No. 14,628
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a wire pulling and twisting tool, as shown.

165,282
DETERGENT MIXING DEVICE
George Graff, Toledo, Ohio, assignor, by mesne assignments, to National Laboratories, Inc., Toledo, Ohio, a corporation of Ohio
Application February 28, 1951, Serial No. 14,332
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a detergent mixing device, substantially as shown.

165,283
PLACE MAT OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 6, 1951, Serial No. 15,438
Term of patent 14 years
(Cl. D59—2)



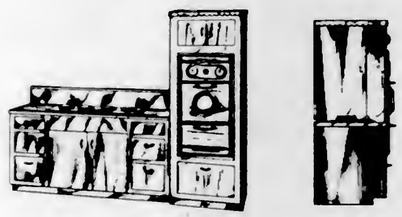
The ornamental design for a place mat or similar article, substantially as shown and described.

165,284
SLIPPER SOCK
Martha P. Hiestand, Princeton, Wis., assignor to The Handcraft Company, Inc., Princeton, Wis., a corporation of Wisconsin
Application July 25, 1951, Serial No. 16,022
Term of patent 14 years
(Cl. D47—7)

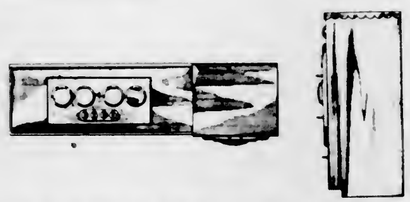


The ornamental design for a slipper sock, as shown and described.

165,285
STOVE AND CABINET UNIT
Henry Honer, Los Angeles, Calif., assignor to Western Stove Co., Inc., Culver City, Calif., a corporation of California
Application March 26, 1951, Serial No. 14,626
Term of patent 14 years
(Cl. D81—4)



165,285—Continued



The ornamental design for a stove and cabinet unit, substantially as shown.

165,286
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1951, Serial No. 16,122
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,287
SEPARABLE BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 29, 1951, Serial No. 16,468
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or the like, substantially as shown and described.

165,288
SEPARABLE BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 29, 1951, Serial No. 16,469
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or the like, substantially as shown and described.

165,289
SEPARABLE BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 29, 1951, Serial No. 16,472
Term of patent 7 years
(Cl. D45—19)



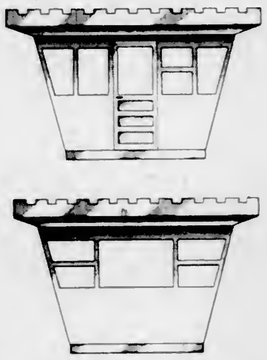
The ornamental design for a separable brooch or the like, substantially as shown and described.

165,290
SEPARABLE BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 29, 1951, Serial No. 16,473
Term of patent 7 years
(Cl. D45—19)



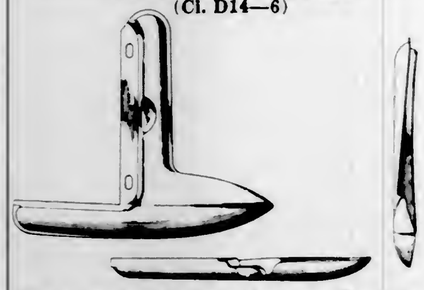
The ornamental design for a separable brooch or the like, substantially as shown and described.

165,291
CONCESSION STAND
Warren C. Kiser and Chesley E. Lennon, Jr., Longview, Tex.
Application August 20, 1949, Serial No. 4,622
Term of patent 3½ years
(Cl. D13—1)



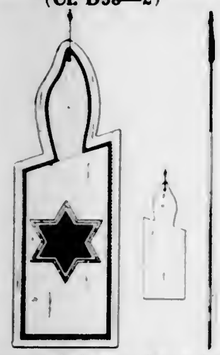
The ornamental design for a concession stand, as shown and described.

165,292
AUTOMOBILE GASOLINE DOOR GUARD
Murray B. Kramer, Chicago, Ill., assignor to Richlite Manufacturing Company, Chicago, Ill., a partnership
Application July 17, 1951, Serial No. 15,911
Term of patent 3½ years
(Cl. D14—6)



The ornamental design for an automobile gasoline door guard, as shown.

165,293
BAG OR SIMILAR ARTICLE
Lillian Levy and Charlotte Rosenfield, Silver Spring, Md.
Application September 11, 1951, Serial No. 16,606
Term of patent 14 years
(Cl. D58—2)



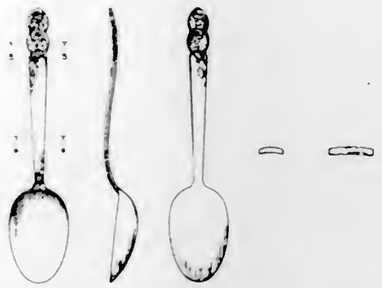
The ornammental design for a bag or similar article, as shown and described.

165,294
FOUNDATION GARMENT
Sabine Levy, London, England, assignor to Caprice Limited, London, England
Application March 13, 1951, Serial No. 14,472
In Great Britain January 25, 1951
Term of patent 14 years
(Cl. D20—2)



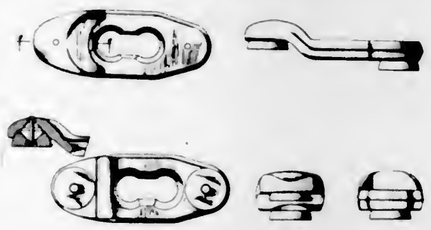
The ornamental design for a foundation garment, as shown.

165,295
SPOON OR SIMILAR ARTICLE
Isadore Albert Lipman, Meriden, Conn., assignor to The Ellmore Silver Company, Inc., Meriden, Conn., a corporation of Connecticut
Application January 3, 1951, Serial No. 13,656
Term of patent 14 years
(Cl. D54—12)



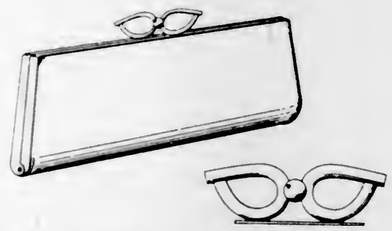
The ornamental design for a spoon or similar article, as shown and described.

165,296
WORK-HOLDING CLAMP
Albert O. Mathison, Brooklyn, N. Y.
Application June 20, 1950, Serial No. 10,739
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a work holding clamp, substantially as shown.

165,297
EYEGLASS CASE
Emanuel Nathan, South Orange, N. J.
Application June 20, 1951, Serial No. 15,611
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an eyeglass case, as shown and described.

165,298
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1951, Serial No. 16,245
Term of patent 7 years
(Cl. D45—19)



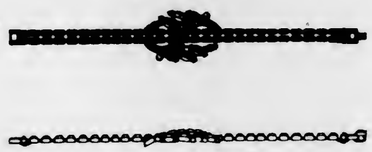
The ornamental design for a brooch or similar article, substantially as shown.

165,299
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1951, Serial No. 16,246
Term of patent 7 years
(Cl. D45—16)



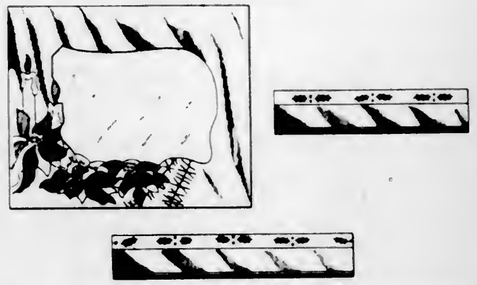
The ornamental design for a necklace or the like, substantially as shown.

165,300
BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1951, Serial No. 16,247
Term of patent 7 years
(Cl. D45—4)



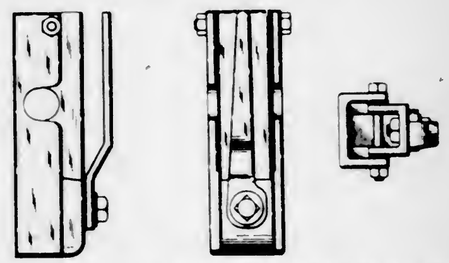
The ornamental design for a bracelet or the like, substantially as shown.

165,301
BOX TOP
George Posner, New York, N. Y., assignor to The New York Merchandise Co. Inc., New York, N. Y., a corporation of New York
Application September 12, 1950, Serial No. 12,157
Term of patent 3½ years
(Cl. D58—12.6)



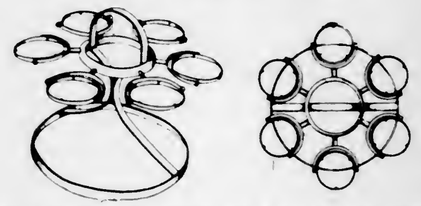
The ornamental design for a box top, as shown and described.

165,302
COMBINED TAIL GATE HINGE AND LATCH
Francis Reifsteck, Champaign, Ill., assignor of one-sixth to J. Warren Kinney, Jr., Cincinnati, Ohio, one-sixth to Jackson M. Luker, and one-sixth to R. E. Winkelmann, Urbana, Ill.
Application November 15, 1950, Serial No. 12,995
Term of patent 14 years
(Cl. D14—6)



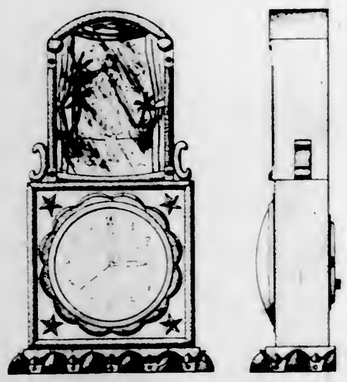
The ornamental design for a combined tail gate hinge and latch, as shown.

165,303
HOLDER FOR GLASSES
Bruce A. Rogers and Joseph W. Doblin, New York, N. Y.
Application October 3, 1950, Serial No. 12,438
Term of patent 14 years
(Cl. D44—7)



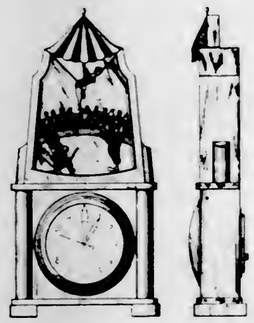
The ornamental design for a holder for glasses, substantially as shown.

165,304
CLOCKCASE
Theodore Schisgall, New York, N. Y., assignor to Gibraltar Manufacturing Co., Inc., Jersey City, N. J., a corporation of New Jersey
Application August 27, 1951, Serial No. 16,450
Term of patent 3½ years
(Cl. D42—7)



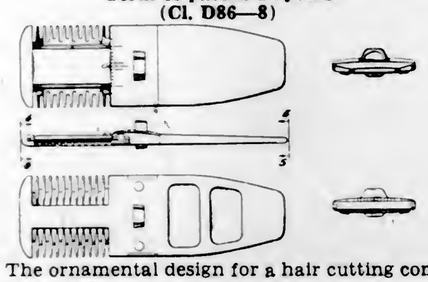
The ornamental design for a clockcase, substantially as shown and described.

165,305
CLOCKCASE
Theodore Schisgall, New York, N. Y., assignor to Gibraltar Manufacturing Co., Inc., Jersey City, N. J., a corporation of New Jersey
Application August 27, 1951, Serial No. 16,451
Term of patent 3½ years
(Cl. D42—7)



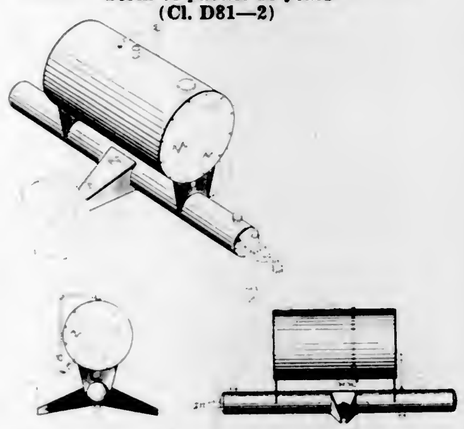
The ornamental design for a clockcase, substantially as shown and described.

165,306
HAIR-CUTTING COMB
Norbert Shaeffer, Los Angeles, Calif., assignor, by mesne assignments, to Cutter Corporation, a corporation of Delaware
Application August 14, 1950, Serial No. 11,760
Term of patent 14 years
(Cl. D86—8)



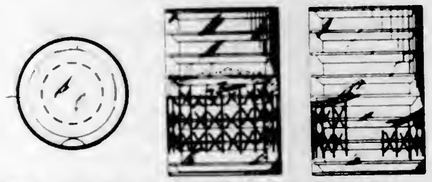
The ornamental design for a hair cutting comb, substantially as shown.

165,307
PORTABLE STEAM BOILER
Robert A. Sharp, Milwaukee, Wis.
Application May 11, 1951, Serial No. 15,133
Term of patent 14 years
(Cl. D81—2)



The ornamental design for a portable steam boiler, as shown and described.

165,308
PACKAGE OF COASTERS
Joseph L. Sholkin, Newton, Mass., assignor to Beacon Products Corporation, Boston, Mass., a corporation of Massachusetts
Application July 3, 1948, Serial No. 147,369
Term of patent 3½ years
(Cl. D58—11)



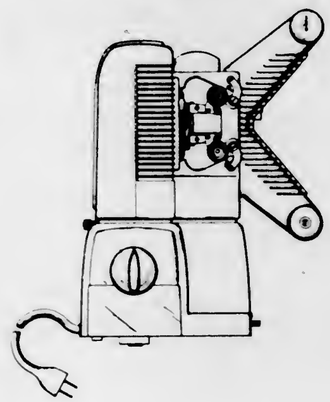
The ornamental design for a package of coasters, substantially as shown and described.

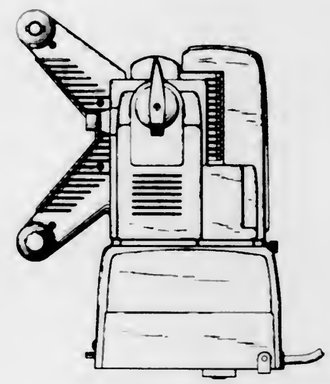
165,309
BATTERY TESTER
Frank Sparr, Bellerose, N. Y., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New Jersey
Application August 13, 1951, Serial No. 16,243
Term of patent 14 years
(Cl. D26—1)



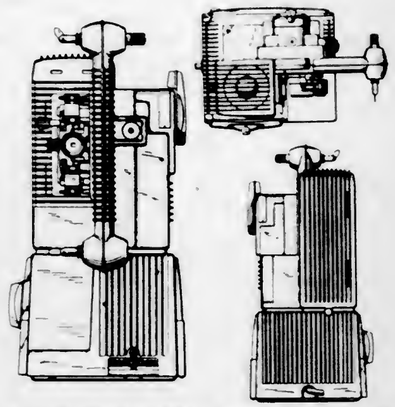
The ornamental design for a battery tester, substantially as shown.

165,310
MOTION-PICTURE PROJECTOR
Glenn W. Tammen, Park Ridge, Ill., assignor to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application July 31, 1951, Serial No. 16,097
Term of patent 14 years
(Cl. D61—1)



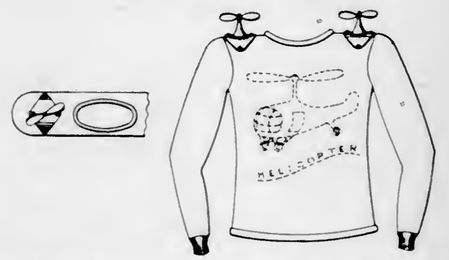


165,310—Continued



The ornamental design for a motion picture projector, as shown.

165,311
SHIRT
W. Vincent Thelander, Toledo, Ohio
Application January 18, 1951, Serial No. 13,849
Term of patent 14 years
(Cl. D3—25)



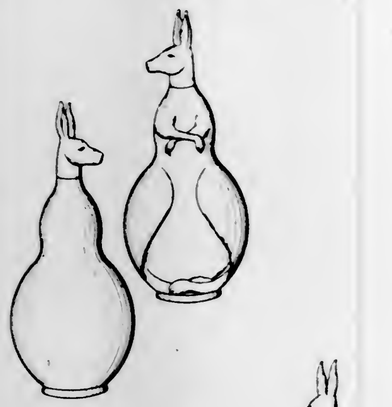
The ornamental design for a shirt, as shown and described.

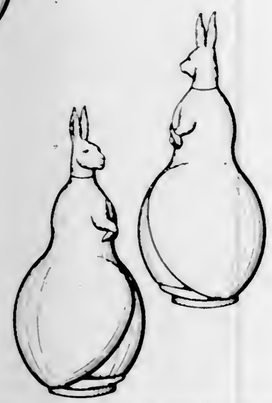
165,312
TABLE LAMP
Kurt Versen, Tenafly, N. J.
Application December 11, 1950, Serial No. 13,361
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a table lamp, as shown.

165,313
BOTTLE
William Gaston Walkley, Manly, New South Wales, and Walter McEllister Leonard, Neutral Bay, New South Wales, Australia
Application March 29, 1949, Serial No. 1,704
Term of patent 14 years
(Cl. D58—9)





The ornamental design for a bottle, as shown.

165,314
SPECTACLE FRONT
Harry Weissman, New Hyde Park, N. Y.
Application July 24, 1951, Serial No. 15,998
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle front, substantially as shown and described.

165,315
SPECTACLE FRONT
Harry Weissman, New Hyde Park, N. Y.
Application August 3, 1951, Serial No. 16,130
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle front, substantially as shown and described.

165,316
FINGER RING
Grace A. Youmans, Greenwich, Conn.
Application July 9, 1951, Serial No. 15,786
Term of patent 7 years
(Cl. D45—10)



The ornamental design for a finger ring, substantially as shown.

December 4, 1951 Volume 653 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A P Controls Corporation: *See*—
Automatic Products Company.

Acclaim Hosiery Mills, Inc., High Point, N. C. Ladies' hosiery. Serial No. 611,252, Dec. 4. Class 39.

Ach, Eugene L., Cincinnati, Ohio. Toy hair washing and waving kits. Serial No. 617,574, Dec. 4. Class 22.

Aetna-Standard Engineering Company, The, Youngstown, Ohio. Metal working machinery. Serial No. 552,625, Dec. 4. Class 23.

Akron Hardware Mfg. Corp., Woodside, N. Y. Kitchen cabinet hardware. Serial No. 597,373, Dec. 4. Class 13.

Alabama Mills, Inc., Birmingham, Ala. Textile fabrics. Serial No. 547,600, Dec. 4. Class 42.

Aldens, Inc., Chicago, Ill. Electric refrigerators. Serial No. 615,741, Dec. 4. Class 31.

Allied Mills, Inc., Chicago, Ill. Horse feed, poultry scratch grains, and poultry egg mash. Serial No. 571,390, Dec. 4. Class 46.

Alling & Cory Company, The, Rochester, N. Y. Bond paper. Serial No. 607,918, Dec. 4. Class 37.

Alpha Chi Rho Fraternity, New York, N. Y. Establishment and maintenance of membership in a national collegiate fraternity. Serial No. 603,830, Dec. 4. Class 100.

America Solimene, Brooklyn, N. Y. Game devices. Serial No. 599,128, Dec. 4. Class 22.

American Lacquer Solvents Company, Phoenixville, Pa. Liquid measuring instrument. Serial No. 610,042, Dec. 4. Class 26.

American Manufacturing Company, Boston, Mass., Brooklyn, N. Y., doing business under the firm name and style of St. Louis Cordage Mills, St. Louis, Mo. Rope, cord, and twine. Serial No. 586,614, Dec. 4. Class 7.

American Speedlight Corporation, Richmond Hill, N. Y. Electronic flash apparatus. Serial No. 562,116, Dec. 4. Class 26.

American Viscose Corporation, Philadelphia, Pa. Fabrics. Serial No. 584,567, Dec. 4. Class 42.

American Beauty Macaroni Co., The, Kansas City, Mo. High protein macaroni. Serial No. 606,066, Dec. 4. Class 46.

Anderson, Belle, Chicago, Ill. Memorandum pads. Serial No. 591,604, Dec. 4. Class 37.

Apkarian, T., & Sons, Reedley, Calif. Fresh grapes. Serial No. 593,851, Dec. 4. Class 46.

Ashland Oil & Refining Company, Ashland, Ky. Services performed for motorists. Serial No. 580,115, Dec. 4. Class 103.

Ashley, E. H., & Company, Inc., Providence, R. I. Gems. Serial No. 612,058, Dec. 4. Class 28.

Associated Foods Co.: *See*—
Wheeler, Paul J.

Associated Grocers' Company of St. Louis, Missouri, St. Louis, Mo. Canned vegetables, canned fruits, canned fruit juice. Serial No. 611,995, Dec. 4. Class 46.

Atlas Assurance Company Limited, New York, N. Y. Underwriting of fire insurance, miscellaneous property insurance, water damage insurance, etc. Serial No. 595,635, Dec. 4. Class 102.

Atlas Scraper and Engineering Co., Bell, Calif. Road scrapers, rippers, snow plows, etc. Serial No. 573,823, Dec. 4. Class 23.

Austin-Western Company, Aurora, Ill. Road graders; rollers; bulldozers; etc. Serial No. 562,817, Dec. 4. Class 23.

Automatic Products Company, Milwaukee, Wis., now by change of name A P Controls Corporation. Automatic unitary device. Serial No. 551,849, Dec. 4. Class 23.

Avon Shoe Co., Inc., Brooklyn, N. Y. Men's, women's, and children's shoes. Serial No. 605,981, Dec. 4. Class 39.

Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Compound of aqueous mono and di glyceryls and other esters used in the production of sponge cakes. Serial No. 603,396, Dec. 4. Class 46.

Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Compound of aqueous, mono and di glyceryls and other esters used in the production and baking of cakes. Serial No. 603,398, Dec. 4. Class 46.

Ball, Mary, Candy Kitchens, Incorporated, Birmingham, Ala. Candy. Serial No. 592,749, Dec. 4. Class 46.

Barker Bros. Corporation, Los Angeles, Calif. Living room, dining room, and bedroom furniture. Serial No. 573,401, Dec. 4. Class 32.

Barricini Inc., New York and Long Island City, N. Y. Candy. Serial No. 566,116, Dec. 4. Class 46.

Basic Foods, Inc., assignee: *See*—
Michaelis, Curt.

Bass, Levine & Bass, Inc., New York, N. Y. Ladies' coats and suits. Serial No. 610,731, Dec. 4. Class 39.

Beattie Jet Products, Inc., New York, N. Y. Tobacco pouches. Serial No. 578,562, Dec. 4. Class 8.

Bennett Corporation, The, San Francisco, Calif. Cameras. Serial No. 614,185, Dec. 4. Class 26.

Bergen Preserving Company A/S, assignor to Norwegian Preserving Co. A/S, Bergen, Norway. Canned sardines. Serial No. 555,591, Dec. 4. Class 46.

Berkov, Alexander, doing business under the fictitious firm name and style of Sleepy-Tot, North Hollywood, Calif. Portable crib frames. Serial No. 572,942, Dec. 4. Class 32.

Bernardo Sandals, Inc., New York, N. Y. Sandals. Serial No. 608,127, Dec. 4. Class 39.

Big Jack Manufacturing Co., Inc., Bristol, Va. Girls' and ladies' blue jeans. Serial No. 611,680, Dec. 4. Class 39.

Blairsville Machine Products Company, Blairsville, Pa. Cigar and cigarette lighters. Serial No. 519,621, Dec. 4. Class 8.

Blatchford Calf Meal Company, Waukegan, Ill. Animal food. Serial No. 553,666, Dec. 4. Class 46.

Borne Scrymser Company, Elizabeth, N. J. Oil. Serial No. 607,977, Dec. 4. Class 15.

Brantford Produce Company, Limited, Brantford, Ontario, Canada. Cheese. Serial No. 590,881, Dec. 4. Class 46.

Buffalo Evening News: *See*—
Butler, Edward H.

Buffalo Evening News, Inc., assignee: *See*—
Butler, Edward H.

Burton-Dixie Corporation, Chicago, Ill. Dual purpose sitting, sleeping type couches. Serial No. 600,021, Dec. 4. Class 32.

Butler, Edward H., individually and as trustee under the last will and testament of Edward H. Butler, deceased, doing business as Buffalo Evening News, assignor to Buffalo Evening News, Inc., Buffalo, N. Y. Entertainment service. Serial No. 539,650, Dec. 4. Class 107.

Calhawaii Company, The: *See*—
Williams, M. G.

California Wine Association, San Francisco, Calif. Wines. Serial No. 616,149, Dec. 4. Class 47.

Cambridge Rubber Company, The, Cambridge, Mass., and Taneytown, Md. Men's and women's shoes. Serial No. 599,366, Dec. 4. Class 39.

Carter Products, Inc., assignee: *See*—
Mount Laboratories, Inc.

Carter Products, Inc., New York, N. Y. Deodorant tablet. Serial No. 610,779, Dec. 4. Class 18.

Celotex Corporation, The, Chicago, Ill. Composition of material for wall boards, box-making material and heat-insulating lumber, etc. Serial No. 555,902, Dec. 4. Class 12.

Chalex Corporation, Chicago, Ill. Counting apparatus. Serial No. 570,767, Dec. 4. Class 26.

Chemagro Corporation, assignee: *See*—
Geary Chemical Corp.

Cherokee Mills, Inc., Nashville, Tenn. Animal feeds. Serial No. 603,666, Dec. 4. Class 46.

Chesterton, A. W., Company, Everett, Mass. Liquid belt dressing. Serial No. 595,655, Dec. 4. Class 6.

Chicago Pump Company, Chicago, Ill. Non-clogging sewage pumping unit. Serial No. 557,899, Dec. 4. Class 23.

Chicago Pump Company, Chicago, Ill. Return line condensation pump and receiving unit. Serial No. 557,902, Dec. 4. Class 23.

Chi Omega Fraternity, Cincinnati, Ohio. Stimulating and helping maintain interest in education, civic affairs, and social services. Serial No. 600,650, Dec. 4. Class 100.

Clark, Charles F., Incorporated, Chicago, Ill. Protective covers—namely athletic equipment covers. Serial No. 598,637, Dec. 4. Class 22.

Clayton & Lambert Manufacturing Company, Louisville, Ky. Conversion burner units. Serial No. 615,756, Dec. 4. Class 34.

Co-Mar Fashions, Inc., New York, N. Y. Ladies' coats and suits. Serial No. 609,396, Dec. 4. Class 39.

Concord Clothes, Inc., New York, N. Y. Women's, men's, young men's and students' clothing. Serial No. 595,452, Dec. 4. Class 39.

Conner, H. D., Company: *See*—
Conner, Harold D.

Conner, Harold D., doing business under the name and style of H. D. Conner Company, Wichita, Kans. Chemically treated blocks. Serial No. 567,905, Dec. 4. Class 6.

Continental Bus System, Inc., Dallas, Tex. Transportation of passengers, baggage, express, etc., by motor buses. Serial No. 548,800, Dec. 4. Class 105.

Cooper, William, & Nephews, Incorporated, Chicago, Ill. Agricultural insecticide. Serial No. 612,651, Dec. 4. Class 6.

Cortland Line Company, Inc., Cortland, N. Y. Bait casting fishing line. Serial No. 604,506, Dec. 4. Class 22.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Boys' shoes. Serial No. 611,766, Dec. 4. Class 39.

Konetes, John S., doing business as F-E Manufacturing Company, Wilmington, N. C. Hemorrhoid salve. Serial No. 610,851, Dec. 4. Class 18.

Kraissl Company, Inc., The, Hackensack, N. J. Non-measuring pumps. Serial No. 587,875, Dec. 4. Class 23.

Landis Tool Company, Waynesboro, Pa. Machines for grinding alined bearing surfaces on crank shafts, etc. Serial No. 524,878, Dec. 4. Class 23.

Lang, C. C., & Son, Inc., Baltimore, Md. Pickles. Serial No. 591,038, Dec. 4. Class 46.

Lanolave Laboratories: *See*—
Southwestern Drug Corporation.

Lasser, Aaron, executor: *See*—
Michaelis, Curt.

Lass O'Scotland, Ltd., New York, N. Y. Ladies' knitted suits and sweaters. Serial No. 606,305, Dec. 4. Class 39.

Leschen, A., & Sons Rope Company, St. Louis, Mo. Wire rope. Serial No. 606,153, Dec. 4. Class 7.

Leshore Corporation, The, Long Island City, N. Y. Cigarette container and dispenser. Serial No. 597,402, Dec. 4. Class 8.

Liberty Rice Mill, Inc., Kaplan, La. Packages of rice. Serial No. 589,456, Dec. 4. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 594,052, Dec. 4. Class 18.

Limpert Bros., Inc., New York, N. Y., and Vineland, N. J. Canned fruit mix. Serial No. 603,453, Dec. 4. Class 46.

Lindsay, Henry, Limited, Bradford, England. Bolts. Serial No. 594,510, Dec. 4. Class 13.

Literary Guild of America, Inc., The, Garden City, N. Y. Books. Serial No. 573,327, Dec. 4. Class 38.

Lloyd Chain Manufacturing Co., Maryville, Mo. Tire chains. Serial No. 577,675, Dec. 4. Class 13.

Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. Serial No. 568,958, Dec. 4. Class 19.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 532,732, Dec. 4. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Empty bags. Serial No. 612,660, Dec. 4. Class 2.

Lucky Strike Perfumeries Corporation, New York, N. Y. Soap. Serial No. 597,449, Dec. 4. Class 52.

Macfee Manufacturing Company, Elgin, Ill. Parcel holder for an automotive vehicle. Serial No. 584,989, Dec. 4. Class 19.

Maier, Fred J., Chicago, Ill. Spectacle case. Serial No. 595,639, Dec. 4. Class 26.

Mail-Well Envelope Company, Portland, Oreg. Correspondence and mailing envelopes. Serial No. 604,979, Dec. 4. Class 37.

Major Fashions, Inc., New York, N. Y. Ladies' fur lined and fur trimmed coats and jackets. Serial No. 598,485, Dec. 4. Class 39.

Male, Roy R., doing business as Skyway Cruises, New York, N. Y. Travel agency services. Serial No. 596,857, Dec. 4. Class 105.

Mannington Mills, Incorporated, Salem, N. J. Plastic finish, felt base floor covering. Serial Nos. 610,285–6, Dec. 4. Class 20.

Markline Hosiery Company Inc., New York, N. Y. Women's hosiery. Serial No. 606,156, Dec. 4. Class 39.

Marnett Chemicals, Inc., Baltimore, Md. Clothes bleaching compound. Serial No. 613,516, Dec. 4. Class 6.

Marz Laboratories Limited, Windsor, Ontario, Canada. Candy. Serial No. 563,945, Dec. 4. Class 46.

Matsil, Harry, & Sons, New York, N. Y. Bath, lounging and beach robes. Serial No. 577,534, Dec. 4. Class 39.

McDonald, James D., doing business under the fictitious name and style of McDonald Manufacturing Company, Los Angeles, Calif. Electric switch plates. Serial No. 615,651, Dec. 4. Class 21.

McDonald Manufacturing Company: *See*—
McDonald, James D.

McKesson & Robbins, Incorporated, New York, N. Y. Gathering and furnishing to physicians and retail druggists complete information on pharmaceutical products. Serial No. 580,734, Dec. 4. Class 100.

McNaught Syndicate, Inc., The, New York, N. Y. Newspaper column. Serial No. 612,025, Dec. 4. Class 38.

McPhillips Packing Corporation, Bayou La Batre, Ala. Canned oysters, canned crabmeat and canned shrimp. Serial No. 607,031, Dec. 4. Class 46.

Mechanical Research Ltd., Victoria, British Columbia, Canada. Draft arm for dispensing beverages. Serial No. 589,667, Dec. 4. Class 26.

Metropolitan Airparts, assignor to Ryan Aeronautical Corporation, San Diego, Calif. Doors for luggage compartments of airplanes. Serial No. 601,060, Dec. 4. Class 19.

Metzger, Morris, & Sons, Inc., New York, N. Y. Ladies' and misses' coats. Serial No. 608,711, Dec. 4. Class 39.

Meyer, Herman, doing business as Herman Meyer Drug Co., Richmond Hill, N. Y. Desiccating preparation. Serial No. 593,134, Dec. 4. Class 6.

Meyer, Herman, Drug Co.: *See*—
Meyer, Herman.

Michael Barrie, Inc., New York, N. Y. Ladies' dresses, blouses and skirts. Serial No. 606,692, Dec. 4. Class 39.

Michaelis, Beatrice Y., executrix: *See*—
Michaelis, Curt.

Michaelis, Curt, Union City, N. Y.; B. Y. Michaelis and A. Lasser, executors of said C. Michaelis, deceased, assignors to Basic Foods, Inc. Icing. Serial No. 604,377, Dec. 4. Class 46.

Middle South, The, New Orleans, La. Promotion of the development and industrial growth of the area comprising the States of Arkansas, Louisiana, and Mississippi. Serial No. 593,849, Dec. 4. Class 100.

Midland Cooperative Dairy Association, Shawano, Wis. Evaporated milk. Serial No. 574,718, Dec. 4. Class 46.

Midwest Furniture Co., Sheboygan, Wis. Chairs. Serial No. 611,234, Dec. 4. Class 32.

Miller Manufacturing Company: *See*—
Miller Pants, Inc.

Miller Pants, Inc., doing business as Miller Manufacturing Company, Amsterdam, N. Y. Collars. Serial No. 577,441, Dec. 4. Class 39.

Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Railroad passenger and freight transportation service. Serial No. 600,346, Dec. 4. Class 105.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Packaging and wrapping papers. Serial No. 611,650, Dec. 4. Class 37.

Mission Citrus Association, Redlands, Calif. Fresh citrus fruits. Serial No. 559,527, Dec. 4. Class 46.

Mississippi Chemical Corporation, Yazoo City, Miss. Fertilizer. Serial No. 614,451, Dec. 4. Class 10.

Mit-Shel Company, Quincy, Ill. Minnow buckets. Serial No. 599,643, Dec. 4. Class 22.

Mooresville Mills, Inc., Mooresville, N. C. Turkish towels, wash cloths and bath mats. Serial No. 604,016, Dec. 4. Class 42.

Mount Laboratories, Inc., assignor to Carter Products, Inc., New York, N. Y. Effervescent antiseptic, cleansing and deodorizing tablet. Serial No. 606,881, Dec. 4. Class 18.

Naamlooze Vennootschap 's-Hertogenbossche Schroevengieterij M. Lips, Drunen, Netherlands. Propellers. Serial No. 600,503, Dec. 4. Class 19.

Nahon Company, The, New York, N. Y. Sofas, chairs, benches, etc. Serial No. 599,839, Dec. 4. Class 32.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Waxed paper. Serial No. 585,662, Dec. 4. Class 37.

Nason, R. N. & Co., San Francisco, Calif. Paints, paint primers and paint thinners. Serial No. 546,862, Dec. 4. Class 16.

National Silver Company, New York, N. Y. Electric percolators and electric snack servers. Serial No. 613,143, Dec. 4. Class 21.

National Silver Company, New York, N. Y. Base metal table cutlery. Serial No. 613,821, Dec. 4. Class 23.

Nichols, Murl E., doing business as The Whipper-Clipper Co., Bonham, Tex. Lawn mowers. Serial No. 606,232, Dec. 4. Class 23.

Norex Laboratories, Inc.: *See*—
Drug Laboratories, Inc.

Northeast Shoe Co., Inc., Pittsfield, Maine. Shoes. Serial No. 608,891, Dec. 4. Class 39.

Northrup, King & Co., Minneapolis, Minn. Poultry and livestock feeds. Serial No. 609,565, Dec. 4. Class 46.

Norwegian Preserving Co. A/S, assignee: *See*—
Bergen Preserving Company A/S.

Ohio Hydrate & Supply Company, The, Woodville, Ohio. Lime for agricultural purposes. Serial No. 604,988, Dec. 4. Class 10.

Ohmer Corporation, Dayton, Ohio. Automatic recording fare register. Serial No. 609,251, Dec. 4. Class 26.

Oil Equipment Manufacturing Corporation, New Haven, Conn. Threaded bushings. Serial No. 570,714, Dec. 4. Class 13.

Oriole Rule Manufacturing Corp., Baltimore, Md. Rules and extension rules. Serial No. 613,107, Dec. 4. Class 26.

Osceola Foods, Inc., Osceola, Ark. Oleomargarine. Serial No. 580,505, Dec. 4. Class 46.

Owens Krass, Inc., Rochester, N. Y. Card game. Serial No. 600,134, Dec. 4. Class 22.

Pastene & Co., Inc., New York, N. Y. Canned salad and cooking oil. Serial No. 554,403, Dec. 4. Class 46.

Petite Miss Co., New York, N. Y. Ladies' coats. Serial No. 608,435, Dec. 4. Class 39.

Philco Corporation, Philadelphia, Pa. Home refrigerators, home freezers, and parts thereof. Serial No. 600,075, Dec. 4. Class 31.

Photographic Electrical Company, Limited, London, England. Apparatus for reproducing motion picture films and sounds, film editing machines. Serial No. 596,676, Dec. 4. Class 26.

Powell Products, Inc., Chicago, Ill. Portable photographic lamp holders. Serial No. 602,123, Dec. 4. Class 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Margarine oil. Serial No. 601,076, Dec. 4. Class 46.

Puccinelli Packing Company, Turlock, Calif. Dried and dehydrated fruits; dehydrated vegetables; canned fruits; etc. Serial No. 556,814, Dec. 4. Class 46.

Red Comet Incorporated, Littleton, Colo. Thermal controlled wall and ceiling mounted fire extinguisher units, etc. Serial No. 540,872, Dec. 4. Class 23.

Red Comet Incorporated, Littleton, Colo. Fire extinguisher grenades, and kits containing chemical preparations. Serial No. 602,855, Dec. 4. Class 6.
Red Star Yeast and Products Company, Milwaukee, Wis. Inactive dry yeast. Serial No. 612,273, Dec. 4. Class 46.
Reed, Claude A., Omaha, Nebr. Combination machines for freezing and dispensing frozen confections. Serial No. 580,428, Dec. 4. Class 31.
Resolin, Inc., Los Angeles, Calif. Phenolic plastic resin. Serial No. 595,916, Dec. 4. Class 6.
Rice-Stix, Inc., St. Louis, Mo. Women's, misses', and children's outerwear garments. Serial No. 608,287, Dec. 4. Class 39.
Richberry Electric Co., Chicago, Ill. Portable electric hand lanterns. Serial No. 607,399, Dec. 4. Class 21.
Richie, Robert Yarnall, Productions, Inc., New York, N. Y. Motion picture film. Serial No. 600,852, Dec. 4. Class 26.
Riksost S. M. R: S Ostlagerforening U. P. A., Stockholm, Sweden. Cheese. Serial No. 603,816, Dec. 4. Class 46.
Rockwell Manufacturing Company, Pittsburgh, Pa., assignor to Emhart Manufacturing Company. Apparatus for feeding and/or removing workpieces. Serial No. 597,700, Dec. 4. Class 28.
Rosen, Hans M., New York, N. Y. Artists' brushes. Serial No. 611,492, Dec. 4. Class 29.
Rosenberg Bros. & Co., San Francisco, Calif., assignor to Rosenberg Bros. & Co., Inc., Baltimore, Md. Dried prunes. Serial No. 554,710, Dec. 4. Class 46.
Rosenberg Bros. & Co., Inc.: *See*—
Rosenberg Bros. & Co.
Ryan Aeronautical Corporation, assignee: *See*—
Metropolitan Airparts.
S K F Industries, Inc., Philadelphia, Pa. Engineering service. Serial No. 559,862, Dec. 4. Class 100.
St. Louis Cordage Mills: *See*—
American Manufacturing Company.
Sandox Chemical Works, Inc., New York, N. Y. Chemical preparation. Serial No. 598,813, Dec. 4. Class 6.
Schneierson I., & Sons, Inc., New York, N. Y. Ladies' and children's princess slips, nightgowns, pajamas, bloomers, etc. Serial No. 558,929, Dec. 4. Class 39.
Schneierson I., & Sons, Inc., New York, N. Y. Ladies' and children's princess slips, nightgowns, pajamas, bloomers, etc. Serial No. 558,932, Dec. 4. Class 39.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, step-ins, and nightgowns. Serial No. 558,939, Dec. 4. Class 39.
Sedutto Company, The, New York and Staten Island, N. Y. Ice cream and sherbets. Serial No. 605,687, Dec. 4. Class 46.
Seeman Brothers, Inc., New York, N. Y. Imitation vanilla flavor. Serial No. 533,400, Dec. 4. Class 46.
Semaria Brothers, Inc., New York, N. Y. Ladies' house dresses. Serial No. 526,297, Dec. 4. Class 39.
Shakespeare Company, Kalamazoo, Mich. Minnow buckets. Serial No. 618,131, Dec. 4. Class 22.
Shaw-Walker Company, The, Muskegon, Mich. Vertical filing guides and indexes, filing folders, etc. Serial No. 581,834, Dec. 4. Class 37.
Sheeler, Morris, Alexandria, Va. Entertainment service. Serial No. 602,223, Dec. 4. Class 107.
Shellmar Products Corporation, Chicago, Ill. Cellulosic wrappers. Serial No. 505,773, Dec. 4. Class 37.
Shifman Bros., Newark, N. J. Mattresses. Serial No. 600,917, Dec. 4. Class 32.
Shoe Corporation of America, Columbus, Ohio. Men's, women's, and children's shoes and boots. Serial No. 609,006, Dec. 4. Class 39.
Shoreham Manufacturing Co., Inc., Winfield, N. Y. Toilet sets. Serial No. 590,036, Dec. 4. Class 40.
Skyway Cruises: *See*—
Male, Roy R.
Sleepy-Tot: *See*—
Berkov, Alexander.
Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface floor covering. Serial No. 596,366, Dec. 4. Class 20.
Smithfield Packing Company, Inc., The, Smithfield, Va. Smoked and cooked hams, smoked picnics, link sausage, etc. Serial No. 558,420, Dec. 4. Class 46.
Sommer & Kaufmann, San Francisco, Calif. Girls' low heeled leather shoes. Serial No. 588,113, Dec. 4. Class 39.
Sommer & Kaufmann, San Francisco, Calif. Men's leather shoes. Serial No. 588,114, Dec. 4. Class 39.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Bleached and unbleached sulphate kraft wrapping paper. Serial No. 602,292, Dec. 4. Class 37.
Southwestern Drug Corporation, doing business as Lanolave Laboratories, Waco, Tex. Rubbing alcohol. Serial No. 601,284, Dec. 4. Class 18.
Sperry Corporation, The: *See*—
Sperry Gyroscope Company, Inc.
Sperry Gyroscope Company, Inc., Great Neck, N. Y., now by merger The Sperry Corporation. Radio instrument and automatic landing equipment for aircraft. Serial No. 513,781, Dec. 4. Class 26.
Standard Milling Company, assignee: *See*—
Loudonville Milling Company, The.
Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 529,499, Dec. 4. Class 46.
Standard Milling Company, Chicago, Ill. What flour. Serial No. 545,786, Dec. 4. Class 46.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Petrolatum, insecticides, fungicides, and herbicides. Serial No. 587,365, Dec. 4. Class 6.
Stanley Fruit Company, Phoenix, Ariz. Fresh vegetables. Serial No. 613,349, Dec. 4. Class 46.
Stephens-Adamson Mfg. Co., Aurora, Ill. Apparatus for loading and trimming pulverulent, granular or small lump material. Serial No. 523,337, Dec. 4. Class 23.
Stewart Dry Goods Company, The, Louisville, Ky. Sheets, pillow cases and blankets. Serial No. 606,908, Dec. 4. Class 42.
Sturdee Steel Products Company: *See*—
Fowler, Roscoe.
Stylon Corporation, Boston, Mass. Bathroom accessories. Serial No. 613,742, Dec. 4. Class 13.
Supreme Knitwear Co., St. Louis, Mo. Women's and misses' skirts. Serial No. 608,801, Dec. 4. Class 39.
Svenska Rakbladsfabriken T. Thunberg: *See*—
Thunberg, Teli W.
Syracuse Ornamental Co., Inc., Syracuse, N. Y. Memo pads, desk calendars, paper weights, and desk pen sets. Serial No. 538,050, Dec. 4. Class 37.
T & S Precision Products, East Detroit, Mich. Hair goods. Serial No. 599,398, Dec. 4. Class 40.
T. S. Undergarment Corp., New York, N. Y. Ladies' slips, nightgowns, pajamas, etc. Serial No. 612,279, Dec. 4. Class 39.
Tanbro Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 615,256–9, Dec. 4. Class 42.
Tea Garden Products Co., San Francisco, Calif. Grape juice. Serial No. 587,767, Dec. 4. Class 45.
Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. Serial No. 611,383, Dec. 4. Class 26.
Thunberg, Teli W., trading as Svenska Rakbladsfabriken T. Thunberg, Grastorp, Sweden. Safety razors and safety razor blades. Serial No. 569,726, Dec. 4. Class 23.
Tileston and Hollingsworth Company, Boston, Mass. Printing paper. Serial Nos. 609,572–3, Dec. 4. Class 37.
Toastmasters International, Santa Ana, Calif. Training in leadership, in public speaking, and in criticism thereof. Serial No. 588,237, Dec. 4. Class 107.
Todd Company, Inc., The, Rochester, N. Y. Checkbook covers. Serial No. 584,557, Dec. 4. Class 37.
Tranzform, Inc., Hoboken, N. J. Girdles, corsets, foundation garments. Serial No. 612,363, Dec. 4. Class 39.
Tucker's, Mrs., Foods, Inc., Grayson, Tex. Salad oil. Serial No. 614,225, Dec. 4. Class 46.
United Crayon Co. Inc., Brooklyn, N. Y. Water color sets. Serial No. 597,793, Dec. 4. Class 22.
United Steel Fabricators, Inc., Wooster, Ohio. Construction materials of the conduit type fabricated from sheet steel or steel plate. Serial No. 581,506, Dec. 4. Class 13.
United Truck Lines, Incorporated, Spokane, Wash. Motor truck transportation. Serial No. 551,833, Dec. 4. Class 105.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial Nos. 617,777–8, Dec. 4. Class 22.
Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Gauge. Serial No. 609,989, Dec. 4. Class 26.
Universal Mills, Fort Worth, Tex. Feed for poultry and livestock. Serial No. 571,767, Dec. 4. Class 46.
Universal Winding Company, Cranston, R. I. Textile machinery. Serial No. 612,045, Dec. 4. Class 23.
V. & E. Manufacturing Co., Pasadena, Calif. Beam compasses. Serial No. 609,750, Dec. 4. Class 26.
Van Brush Manufacturing Co., Kansas City, Mo. Steel wire drag brooms, fibre drag brooms, street push brooms, etc. Serial No. 600,094, Dec. 4. Class 29.
Vapor Heating Corporation, Chicago, Ill. Temperature responsive electrical apparatus. Serial No. 565,092, Dec. 4. Class 26.
Varden Dress, Inc., New York, N. Y. Misses' petite dresses. Serial No. 603,093, Dec. 4. Class 39.
Victaulic Company Limited, The, London, England. Pipes and pipe fittings. Serial No. 601,764, Dec. 4. Class 13.
Vitalerth Products Limited, Vancouver, British Columbia, Canada. Fertilizers. Serial No. 589,129, Dec. 4. Class 10.
Vulcan Safety Razor Corp., Maplewood, N. J. Safety razor blades. Serial No. 612,426, Dec. 4. Class 23.
Wapato Packing Company: *See*—
Hallauer, W. A.
Wapato Packing, Inc., assignee: *See*—
Hallauer, W. A.
West Disinfecting Company, Long Island City, N. Y. Insecticides. Serial No. 600,746, Dec. 4. Class 6.
West Foods, Inc., Salem, Oreg. Fresh mushrooms. Serial No. 602,529, Dec. 4. Class 46.
Western Air Lines, Inc., Los Angeles and Los Angeles Airport, Calif. Publications. Serial No. 559,762, Dec. 4. Class 38.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Electric meters and measuring instruments. Serial No. 606,097, Dec. 4. Class 26.
Wheeler, Paul J., doing business as Associated Foods Co., East Boston, Mass. Pancake syrup. Serial No. 612,192, Dec. 4. Class 46.
Whipper-Clipper Co., The: *See*—
Nichols, Murl E.
Wilbar's, Inc., Boston, Mass. Ladies' shoes. Serial No. 581,304, Dec. 4. Class 39.
Williams, C. B., Mercedes, Tex., and Visalia, Calif. Fresh tomatoes, fresh citrus fruits, fresh grapes, etc. Serial No. 587,451, Dec. 4. Class 46.
Williams, M. G., doing business as The Calhawaii Company, Pasadena, Calif. Draperies. Serial No. 594,677, Dec. 4. Class 42.
Wisconsin Farmer Company, Racine, Wis. Periodical publication. Serial No. 582,007, Dec. 4. Class 38.
Wisconsin Protective Coating Co., Green Bay, Wis. Plastic paints, varnishes, and enamels. Serial No. 613,621, Dec. 4. Class 16.
Wolch Nut & Candy Co., Chicago, Ill. Candy. Serial No. 613,432, Dec. 4. Class 46.
Wondercrop, Incorporated, New York, N. Y. Fresh deciduous fruits and vegetables. Serial No. 558,091, Dec. 4. Class 46.
Wood Products Manufacturing Co., Rocky Mount, N. C. Venetian blinds. Serial Nos. 605,128–9, Dec. 4. Class 32.
Wright & Lawrence Laboratories, Inc., Chicago, Ill. Liquid medication. Serial No. 610,886, Dec. 4. Class 18.
Wyeth Incorporated, Philadelphia, Pa. Hypo-allergenic whole milk. Serial No. 552,522, Dec. 4. Class 46.
Wyeth Incorporated, Philadelphia, Pa. Multiple vitamin preparations. Serial No. 614,601, Dec. 4. Class 18.
Wylie Brothers, Inc., Oklahoma City, Okla. Stove for heating paving materials. Serial No. 596,251, Dec. 4. Class 34.
Zaninovich Bros., Inc., Orange Cove, Calif. Fresh grapes. Serial No. 550,979, Dec. 4. Class 46.
Zion Industries, Inc., Zion, Ill. Cookies. Serial No. 611,326, Dec. 4. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

AP Parts Corporation, The, Toledo, Ohio. Coating materials for vacuum or electronic-tubes. 551,770, Dec. 4; Serial No. 607,371, published Sept. 11, 1951. Class 6.
A/S Ferrosan, Copenhagen, Denmark. Sponges employed by surgeons. 551,764, Dec. 4; Serial No. 607,212, published Sept. 11, 1951. Class 44.
Acclaim Hosiery Mills, Inc., High Point, N. C. Ladies' hosiery. 551,775, Dec. 4; Serial No. 607,408, published Sept. 4, 1951. Class 39.
Acme Cotton Products Co., Inc., New York, N. Y. Cotton, cotton pads and gauze pads. 551,631, Dec. 4; Serial No. 598,232, published Sept. 4, 1951. Class 29.
Aerotec Corporation, The, Greenwich, Conn. Centrifugal gas and particle separators and samplers. 551,483, Dec. 4; Serial No. 567,227, published Sept. 4, 1951. Class 23.
Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden. Flat-glass, plateglass, sheet glass, etc. 551,786, Dec. 4; Serial No. 607,733, published Aug. 7, 1951. Class 33.
Allied Chemical & Dye Corporation, New York, N. Y. Dyeing compositions. 551,558, Dec. 4; Serial No. 587,927, published Sept. 11, 1951. Class 6.
Allied Kid Company, Boston, Mass. Finished leather. 551,692, Dec. 4; Serial No. 603,757, published Aug. 7, 1951. Class 1.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric motors, electric generators, circuit breakers, etc. 551,706, Dec. 4; Serial No. 604,947, published Sept. 11, 1951. Class 21.
All-Steel Equipment Inc., Aurora, Ill. Construction materials. 551,458, Dec. 4; Serial No. 558,434, published July 31, 1951. Class 12.
Alrose Chemical Company, Cranston and Providence, R. I. Detergent. 551,585, Dec. 4; Serial No. 591,137, published Sept. 4, 1951. Class 52.
Alsojan Associates: *See*—
Sieminski, Alfred.
Alsop Engineering Corporation, Millidale, Conn. Pumps, combined filters and pumps, etc. 551,777, Dec. 4; Serial No. 607,474, published Aug. 7, 1951. Class 23.
Amalgamated Sugar Company, The, Ogden, Utah. Blend of sucrose and corn syrup. 551,783, Dec. 4; Serial No. 607,657, published Sept. 11, 1951. Class 46.
Americaine, Inc., Evanston, Ill. Anesthetic and antiseptic ear drops. 551,601, Dec. 4; Serial No. 594,188, published July 31, 1951. Class 18.
American Bosch Corporation: *See*—
Bosch, Robert, Aktiengesellschaft.
Bosch, Robert, Gesellschaft mit beschrankter Haftung.
American District Steam Company, Inc., North Tonawanda, N. Y. Expansion joints. 551,681, Dec. 4; Serial No. 602,877, published Sept. 11, 1951. Class 13.
American District Steam Company, Inc., North Tonawanda, N. Y. Expansion joints and radiator valves. 551,682, Dec. 4; Serial No. 602,878, published Sept. 11, 1951. Class 13.
American Gas Accumulator Company, Elizabeth, N. J. Transformers and electrical connectors. 551,813, Dec. 4; Serial No. 611,212, published Aug. 28, 1951. Class 21.
American Hard Rubber Company, Hempstead, and New York, N. Y. Hard rubber combs. 551,720, Dec. 4; Serial No. 605,505, published July 24, 1951. Class 40.
American Paper Goods Company, The, Montclair, N. J., and Kensington, Conn., to The American Paper Goods Company, Kensington, Conn. Merchandising envelopes and bags. 288,053, renewed Oct. 20, 1951. O. G. Dec. 4. Class 2.
American Saw & Manufacturing Company, Springfield, Mass. Hand saws. 551,464, Dec. 4; Serial No. 560,434, published Aug. 21, 1951. Class 23.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Nails. 551,659, Dec. 4; Serial No. 600,752, published Sept. 18, 1951. Class 13.
Ames Co., Los Angeles, Calif., by Tablerock Laboratories, Inc. Greenville, S. C. Medicinal compound. 312,335, Apr. 24, 1934. Republished Dec. 4. Class 18.
Amex Merchandise Corp., New York, N. Y. Safety pins. 551,766, Dec. 4; Serial No. 607,242, published Aug. 7, 1951. Class 40.
Anaconda Wire and Cable Company, New York, N. Y. Electrical wires and cables. 551,763, Dec. 4; Serial No. 607,209, published Aug. 28, 1951. Class 21.
Anchor Coupling Company, Inc., Libertyville, Ill. Industrial hose couplings and fittings. 551,544, Dec. 4; Serial No. 585,557, published Sept. 11, 1951. Class 13.
Anchor Plastics Company, Inc., New York, N. Y. Boning or stays for brassières, corsets, and outer garments. 551,638, Dec. 4; Serial No. 598,824, published July 17, 1951. Class 40.
Anderson, A. C., Inc., Wildwood, N. J. Material moving equipment. 551,475, Dec. 4; Serial No. 563,771, published July 31, 1951. Class 23.
Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Asphaltic material. 444,611, Dec. 4; Serial No. 516,244, published May 4, 1948. Class 12.
Anderson, V. D., Company, The, to The V. D. Anderson Company, Cleveland, Ohio. Steam traps. 287,259, renewed Sept. 15, 1951. O. G. Dec. 4. Class 13.
Andrade, Manuel J., doing business as Fifth Avenue Silver Co., Taunton, Mass. Hollowware. 551,697, Dec. 4; Serial No. 604,468, published Aug. 7, 1951. Class 28.
Annesley, Griffith, Portland, Oreg. Detachable rock-drill bits, concrete breaker tips, coal cutter tips, etc. 551,846, Dec. 4; Serial No. 589,899. Class 23.
Apex Smelting Co., Chicago, Ill. Anode consisting of a bag filled principally with a magnesium alloy powder, for the prevention of corrosion in pipe lines. 547,151, Aug. 28, 1951. Corrected. O. G. Dec. 4. Class 21.
Armstrong, Gordon, Company, The: *See*—
Berry, F. E., Jr., & Co. Inc.
Atkins & Durbrow, Inc., New York, N. Y. Enriched peat moss. 551,856, Dec. 4; Serial No. 603,953. Class 10.
Atlas Waste Paper Company: *See*—
Burstein, Lewis J.
Attorney General of the United States, vested in: *See*—
Bilhuber, E., Inc.
Avco Manufacturing Corporation, Cincinnati, Ohio. Coin operated electric timers. 551,537, Dec. 4; Serial No. 583,731, published Aug. 14, 1951. Class 26.
Avoset Company, San Francisco, Calif. Flavored malted milk drink. 551,434, Dec. 4; Serial No. 545,940, published Aug. 21, 1951. Class 46.
B. B. Chemical Co., Boston, Mass. Flocked textile fabrics. 551,571, Dec. 4; Serial No. 589,497, published Sept. 11, 1951. Class 42.
Banana Corporation, Richmond, Va. Fresh bananas. 551,480, Dec. 4; Serial No. 565,104, published Sept. 4, 1951. Class 46.
Barnhard, Harold J., assignor to Package-Servease Corp., New York, N. Y. Glass jars. 551,727, Dec. 4; Serial No. 605,709, published Aug. 28, 1951. Class 33.
Barricini, Inc., New York and Long Island City, N. Y. Candy. 551,684, Dec. 4; Serial No. 603,331, published Aug. 7, 1951. Class 46.
Bastian-Morley Co., to Bastian-Morley Co., Inc., La Porte, Ind. Gas water heaters. 288,071, renewed Oct. 20, 1951. O. G. Dec. 4. Class 34.
Bastian-Morley Co., to Bastian-Morley Co., Inc., La Parte, Ind. Gas burners. 290,274, renewed Dec. 29, 1951. O. G. Dec. 4. Class 34.
Bastian-Morley Co., Inc.: *See*—
Bastian-Morley Co.
Bauer's: *See*—
House of Bauer, The.
Baxter Laboratories, Inc., Morton Grove, Ill. Nasal catheters, stomach tubes, rectal tubes, etc. 551,606, Dec. 4; Serial No. 594,352, published Sept. 4, 1951. Class 44.
Beck-Lee Corporation, Chicago, Ill. Cardiographs. 551,624, Dec. 4; Serial No. 596,826, published Aug. 28, 1951. Class 44.

Belber Trunk & Bag Co.: *See*—
Belber Trunk and Bag Company.

Belber Trunk & Bag Company: *See*—
Belber Trunk and Bag Company.

Belber Trunk and Bag Company, also known as Belber Trunk & Bag Company, and Belber Trunk & Bag Co., Philadelphia, Pa. Handbags, suitcases and trunks. 551,435, Dec. 4; Serial No. 546,181, published Aug. 28, 1951. Class 3.

Bell Bakeries, Inc., New York, N. Y. Bread. 551,481, Dec. 4; Serial No. 565,410, published Aug. 14, 1951. Class 46.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags. 290,810, renewed Jan. 19, 1952. O. G. Dec. 4. Class 2.

Bercut-Richards Packing Co., Sacramento, Calif. Canned tomatoes. 551,439, Dec. 4; Serial No. 547,421, published Mar. 13, 1951. Class 46.

Berkeley Industries, Jersey City, N. J. Racks for mounting onto a wall. 551,545, Dec. 4; Serial No. 585,911, published Sept. 11, 1951. Class 13.

Berry, F. E., Jr., & Co. Inc., Boston, Mass., to The Gordon Armstrong Company, Inc., Cleveland, Ohio. Window ventilators. 289,261, renewed Nov. 24, 1951. O. G. Dec. 4. Class 34.

Bilhuber, E., Inc., Jersey City, N. J., vested in Attorney General of the United States, Washington, D. C. Medical preparation. 287,291, renewed Sept. 15, 1951. O. G. Dec. 4. Class 18.

Binney & Smith Company, New York, N. Y. Water color brushes. 551,641, Dec. 4; Serial No. 599,150, published Sept. 4, 1951. Class 29.

Boler Petroleum Company, Inc., Philadelphia, Pa. Petroleum wax. 551,771, Dec. 4; Serial No. 607,374, published July 31, 1951. Class 15.

Bosch, Robert, Aktiengesellschaft, to American Bosch Corporation, Springfield, Mass. Electric lighting and starting systems. 293,203, Apr. 12, 1932. New certificate. O. G. Dec. 4. Class 21.

Bosch, Robert, Aktiengesellschaft, to American Bosch Corporation, Springfield, Mass. Magneto-electric ignition systems. 296,203, Aug. 2, 1932. New certificate. O. G. Dec. 4. Class 21.

Bosch, Robert, Aktiengesellschaft, to American Bosch Corporation, Springfield, Mass. Magneto-electric and battery ignition systems. 304,917, July 18, 1933. New certificate. O. G. Dec. 4. Class 21.

Bosch, Robert, Aktiengesellschaft, to American Bosch Corporation, Springfield, Mass. Brakes and equipment for brakes, and windshield wipers. 309,821, Jan. 30, 1934. New certificate. O. G. Dec. 4. Class 19.

Bosch, Robert, Gesellschaft mit beschrankter Haftung, to American Bosch Corporation, Springfield, Mass. Glow plugs. 363,528, Dec. 27, 1938. New certificate. O. G. Dec. 4. Class 21.

Bosch, Robert, Gesellschaft mit beschrankter Haftung, to American Bosch Corporation, Springfield, Mass. Fuel supply pumps, filters, governers, and parts of said goods. 363,529, Dec. 27, 1938. New certificate. O. G. Dec. 4. Class 23.

Boston Molasses Company: *See*—
Boston Molasses Co.

Boston Molasses Co., by Boston Molasses Company, Boston, Mass. Molasses. 81,498, Apr. 18, 1911. Republished Dec. 4. Class 46.

Boucher, Marcel, New York, N. Y. Earrings. 551,715, Dec. 4; Serial No. 605,293, published Aug. 7, 1951. Class 28.

Boudilist, Chaudières, Paris, France. Steam, vapor and hot water heating systems. 551,851, Dec. 4; Serial No. 598,453. Class 34.

Boyd, William, Beverly Hills, Calif. Domestic radio receiving sets. 551,736, Dec. 4; Serial No. 606,120, published Sept. 11, 1951. Class 21.

Boyd, William, Beverly Hills, Calif. Dinnerware. 551,737, Dec. 4; Serial No. 606,128, published Aug. 28, 1951. Class 30.

Boyd, William, Beverly Hills, Calif. Drinking glasses and glass tumblers. 551,738, Dec. 4; Serial No. 606,130, published Aug. 7, 1951. Class 33.

Braunstein, J., Inc., Philadelphia, Pa. Finger rings, bracelets, ornamental pins, brooches, etc. 551,551, Dec. 4; Serial No. 586,788, published Aug. 14, 1951. Class 28.

Bronson Block Company, Ottawa Lake, Mich. Permanently colored concrete floor tile. 551,789, Dec. 4; Serial No. 607,928, published July 17, 1951. Class 12.

Brosius, Edgar E., Company Inc., Pittsburgh, Pa., now by change of name Salem-Brosius, Inc. Blast furnace cinder notch stoppers and clay guns, furnace charging machines, etc. 551,535, Dec. 4; Serial No. 583,326, published Aug. 28, 1951. Class 23.

Brown & Bigelow, St. Paul, Minn. Etchings, printed etchings, greeting cards, etc. 290,789, renewed Jan. 19, 1952. O. G. Dec. 4. Class 38.

Bruce, E. L., Co., Memphis, Tenn. Oak flooring. 285,659, Aug. 4, 1931. Republished Dec. 4. Class 12.

Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Hydrogen peroxide, ammonium persulphate, and potassium persulphate. 288,414, renewed Oct. 27, 1951. O. G. Dec. 4. Class 6.

Bullard Clark Company, The: *See*—
Jacobs, E. H., Manufacturing Co., Inc.

Burgess Vibrocrafters, Inc., Lake Zurich and Chicago, Ill. Bench jig saws. 551,702, Dec. 4; Serial No. 604,685, published Aug. 28, 1951. Class 23.

Burglamp Electric Manufacturing Co.: *See*—
Cartier, Morgan E.

Burstein, Lewis J., doing business as Atlas Waste Paper Company, Decatur, Ill. Waste paper. 551,461, Dec. 4; Serial No. 559,994, published Aug. 7, 1951. Class 1.

Cabot, Godfrey L., Inc., Boston, Mass. Plasticizers. 551,663, Dec. 4; Serial No. 601,424, published Sept. 4, 1951. Class 6.

Calgon, Incorporated, Pittsburgh, Pa. Water softening and water conditioning chemicals. 551,705, Dec. 4; Serial No. 604,902, published Sept. 18, 1951. Class 6.

California Fruit Growers Exchange, Los Angeles, Calif. Lemons. 85,069, re-renewed Jan. 30, 1952. O. G. Dec. 4. Class 46.

California-Hawaiian Milling Company, San Francisco, Calif., to Saunders Mills, Inc., Toledo, Ohio. Dehydrated alfalfa leaf meal and dehydrated alfalfa meal. 287,949, renewed Oct. 20, 1951. O. G. Dec. 4. Class 46.

California Prune and Apricot Growers Association, San Jose, Calif. Dried fruits. 551,743, Dec. 4; Serial No. 606,367, published Aug. 28, 1951. Class 46.

Caobas Mexicanas, S. A., Mexico, Mexico City, Mexico. Construction materials. 551,653, Dec. 4; Serial No. 600,162, published July 17, 1951. Class 12.

Carnation Company, Los Angeles, Calif. Poultry scratch feeds. 551,644, Dec. 4; Serial No. 599,367, published Aug. 28, 1951. Class 46.

Carrier Engineering Company Limited, London, England. Metal preservative preparations. 551,484, Dec. 4; Serial No. 567,498, published Sept. 11, 1951. Class 6.

Carter, William, Company, The, Needham Heights, Mass. Women's and children's union suits, under vests, and under pants. 551,796, Dec. 4; Serial No. 608,196, published Sept. 11, 1951. Class 39.

Cartier, Morgan E., doing business as Burglamp Electric Manufacturing Co., Grand Rapids, Mich. Electric lamps. 551,635–6, Dec. 4; Serial Nos. 598,574–5, published Sept. 11, 1951. Class 21.

Cassell, W. B., Company, The, Baltimore, Md. Edible oils of vegetable origin. 551,676, Dec. 4; Serial No. 602,746, published July 24, 1951. Class 46.

Caterpillar Tractor Co., Peoria, Ill. Rust inhibitor fluid. 551,623, Dec. 4; Serial No. 596,777, published Sept. 4, 1951. Class 6.

Caulk, L. D., Company, The, Milford, Del. Dental plate blanks. 551,678, Dec. 4; Serial No. 602,823, published Sept. 11, 1951. Class 44.

Caulk, L. D., Company, The, Milford, Del. Acrylic resin denture material. 551,679, Dec. 4; Serial No. 602,824, published Sept. 11, 1951. Class 44.

Cement Marketing Company, Limited, The, London and Westminster, London, England. Oil well cement. 551,622, Dec. 4; Serial No. 596,391, published Aug. 14, 1951. Class 12.

Central Ohio Steel Products Company, doing business in the name of The Gallon Allsteel Body Company, Gallon, Ohio. Hoists. 551,802, Dec. 4; Serial No. 609,358, published Sept. 4, 1951. Class 23.

Central Petroleum Company, Cleveland, Ohio. Antifreezes. 551,795, Dec. 4; Serial No. 608,187, published Sept. 4, 1951. Class 6.

Central Undergarment Inc., New York, N. Y. Ladies' and children's slips, nightgowns, and pajamas, etc. 551,485, Dec. 4; Serial No. 567,851, published Sept. 11, 1951. Class 39.

Cerametal Corporation, assignor, by mesne assignments, to Ceratile Corporation, Paramount, Calif. Building tile. 551,591, Dec. 4; Serial No. 592,358, published July 31, 1951. Class 12.

Ceratile Corporation: *See*—
Cerametal Corporation.

Chase Products Co., Maywood, Ill. Enamel paint. 551,847, Dec. 4; Serial No. 590,807. Class 16.

Chattanooga Medicine Company, The: *See*—
Chattanooga Medicine Co.

Chattanooga Medicine Co., to The Chattanooga Medicine Company, Chattanooga, Tenn. Liver medicine. 84,900, re-renewed Jan. 9, 1952. O. G. Dec. 4. Class 18.

Chicago Macaroni Co., Chicago, Ill. Macaroni. 288,333, renewed Oct. 27, 1951. O. G. Dec. 4. Class 46.

Chicago Pump Company, Chicago, Ill. Automatic mechanical sampler. 551,456, Dec. 4; Serial No. 557,903, published Aug. 21, 1951. Class 23.

Cincinnati Rubber Mfg. Co., The, Cincinnati, Ohio. Rubber surfaced metal bodied rolls. 551,454, Dec. 4; Serial No. 557,261, published July 24, 1951. Class 23.

Ciruli Brothers, Pueblo, Colo. Fresh onions and fresh mixed vegetables. 551,487, Dec. 4; Serial No. 568,145, published Aug. 28, 1951. Class 46.

Clapp, Otis, & Son, Inc., Boston, Mass. Laxative. 290,226, renewed Dec. 22, 1951. O. G. Dec. 4. Class 18.

Classy Curler Company: *See*—
Currie, Margaret F.

Clay Products Association, Chicago, Ill. Ceramic air ducts, molded hollow blocks and floor tiles. 551,424, Dec. 4; Serial No. 538,608, published July 31, 1951. Class 12.

Clow, James B., & Sons, Chicago, Ill. Metal pipe and fittings and miscellaneous appurtenances therefor. 551,498, Dec. 4; Serial No. 572,484, published Sept. 11, 1951. Class 13

Cohoes Envelope Company, Inc., Cohoes, N. Y. Paper parcel bags. 551,860, Dec. 4; Serial No. 612,718. Class 2.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving soap and shaving sticks. 289,621, renewed Dec. 1, 1951. O. G. Dec. 4. Class 51.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 289,694, renewed Dec. 1, 1951. O. G. Dec. 4. Class 52.

Collins, Grace R., executrix for the estate of O. C. Collins, doing business as Topton Rug Mfg. Co., assignor to Topton Rug Manufacturing Co., Topton, Pa. Braided rugs. 551,515, Dec. 4; Serial No. 578,194, published Aug. 28, 1951. Class 42.

Collins, Grace R., executrix for the estate of O. C. Collins, doing business as Topton Rug Mfg. Co., assignor to Topton Rug Manufacturing Co., Topton, Pa. Hand loomed cotton rugs. 551,516, Dec. 4; Serial No. 578,195, published Aug. 28, 1951. Class 42.

Collins, Oliver C.: *See*—
Collins, Grace R.

Colonial Knife Company, Inc., Providence, R. I. Pocket knives. 551,801, Dec. 4; Serial No. 609,332, published Aug. 28, 1951. Class 23.

Colotyle Tyle-Bord, Inc., Seattle, Wash. Enamel-coated hardboard wall panels. 551,612, Dec. 4; Serial No. 594,759, published July 17, 1951. Class 12.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. 551,819, Dec. 4; Serial No. 549,888, published Sept. 11, 1951. Class 104.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program bradcasting services. 551,820, Dec. 4; Serial No. 549,894, published Sept. 11, 1951. Class 104.

Comics Novelty Candy Corp., New York, N. Y. Packages containing candy and a toy. 551,793, Dec. 4; Serial No. 608,105, published Sept. 18, 1951. Class 46.

Comoy, H., & Co., Limited, London, England. Smokers' pipes. 551,512, Dec. 4; Serial No. 577,103, published Aug. 15, 1950. Class 8.

Conover-Cable Piano Co., Chicago, Ill. Pianos. 551,416, Dec. 4; Serial No. 502,271, published Sept. 18, 1951. Class 36.

Consolidated Cosmetics, Chicago, Ill. Lipstick and rouge. 551,700, Dec. 4; Serial No. 604,622, published July 31, 1951. Class 51.

Consolidated Cosmetics, Chicago, Ill. Lipstick and rouge. 551,701, Dec. 4; Serial No. 604,624, published July 31, 1951. Class 51.

Consolidated Royal Chemical Corporation: *See*—
Germania Tea Company.

Cook Electric Company, Chicago, Ill. Lightning discharge blocks. 551,530, Dec. 4; Serial No. 582,279, published Aug. 28, 1951. Class 21.

Cook, Sarah, Kendallville, Ind. Candy. 551,767, Dec. 4; Serial No. 607,316, published Aug. 14, 1951. Class 46.

Cooper's, Incorporated, Kenosha, Wis. Socks. 551,509, Dec. 4; Serial No. 575,890, published Sept. 4, 1951. Class 39.

County Canning Corp., New Bedford, Mass. Dog food. 551,740, Dec. 4; Serial No. 606,275, published Aug. 14, 1951. Class 46.

Coward Shoe, Inc., The, New York, N. Y. Men's, women's, boys', and girls' shoes. 551,486, Dec. 4; Serial No. 568,043, published Sept. 11, 1951. Class 39.

Craft, Irene F., Ridgewood, N. J. Perfumes. 551,579, Dec. 4; Serial No. 590,648, published Aug. 14, 1951. Class 51.

Craftsmen's Guild, Hollywood, Calif. Mechanically operated film viewers. 551,520, Dec. 4; Serial No. 579,739, published Aug. 7, 1951. Class 26.

Cribben and Sexton Company, Chicago, Ill. Gas ranges and parts thereof. 551,453, Dec. 4; Serial No. 556,731, published Aug. 7, 1951. Class 34.

Crock of Gold, Ltd., The, Blackrock, Eire. Woven woolen goods. 551,469, Dec. 4; Serial No. 562,768, published Sept. 11, 1951. Class 42.

Croll-Reynolds Co. Inc., Westfield, N. J. Cooling systems. 551,527, Dec. 4; Serial No. 581,123, published Sept. 4, 1951. Class 31.

Crombie, J. & J., Limited, Woodside, Aberdeen, Scotland. Piece goods. 551,567, Dec. 4; Serial No. 588,746, published Sept. 11, 1951. Class 42.

Crouse-Hinds Company, Syracuse, N. Y. Electrical conduit fittings. 551,811, Dec. 4; Serial No. 610,493, published Sept. 11, 1951. Class 21.

Crucible Steel Company of America, Jersey City, N. J., to Crucible Steel Company of America, New York, N. Y. Steel and steel blanks, forms, shapes, and parts for manufactured articles. 37,264, re-renewed Oct. 29, 1951. O. G. Dec. 4. Class 14.

Cumback, Oliver S., doing business as Stewart Company, Hindsdale, Ill. Preparation in liquid form for cleaning burrs, drills, mounted stones, etc. 551,582, Dec. 4; Serial No. 590,808, published Sept. 4, 1951. Class 52.

Currie, Margaret F., doing business under the name Classy Curler Company, Manhasset, N. Y. Non-electrical hair curlers. 551,652, Dec. 4; Serial No. 600,122, published July 24, 1951. Class 40.

Cutlery Corporation of America, Bridgeport, Conn. Shears and scissors. 551,699, Dec. 4; Serial No. 604,522, published Aug. 28, 1951. Class 23.

Cutter Laboratories, Berkeley, Calif. Glass bottles for shipping and dispensing parenteral solutions. 551,531, Dec. 4; Serial No. 582,391, published Sept. 4, 1951. Class 44.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Hills, Inc.

Davis Creosoting Company: *See*—
Davis, W. F.

Davis, W. F., doing business as Davis Creosoting Company, Birmingham, Ala. Insecticide. 551,855, Dec. 4; Serial No. 602,249. Class 6.

Day's Tailor-D Clothing, Inc.: *See*—
Day's Tailor-D Wear, Inc.

Day's Tailor-D Wear, Inc., by Day's Tailor-D Clothing, Inc., Tacoma, Wash. Trousers. 246,938, Sept. 18, 1928. Republished Dec. 4. Class 39.

Decca Record Company Limited, The, London, England. Mechanically grooved phonograph records. 551,446, Dec. 4; Serial No. 553,085, published Sept. 18, 1951. Class 36.

Deep Run Packing Company, The: *See*—
Smith, Willard H.

"Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G., Berlin-Spandau, Germany, by Organon Inc., Orange, N. J. Medicinal preparation. 289,534, Dec. 1, 1931. Republished Dec. 4. Class 18.

Delsam Company, The: *See*—.
Gerson, Samuel L.

Delta Electric Company, Marion, Ind. Battery operated electric lanterns. 551,532, Dec. 4; Serial No. 582,771, published Aug. 28, 1951. Class 21.

Delta Products Company, Wilson, Ark. Cotton seed meal. 551,559, Dec. 4; Serial No. 587,940, published Aug. 28, 1951. Class 46.

De Noon, Earl M., doing business as South Florida Test Service, Miami, Fla. Engineering research, testing and inspection services. 551,862, Dec. 4; Serial No. 595,877. Class 100.

Devoe & Raynolds Company, Inc., New York, N. Y. Resins and resin solutions. 551,580, Dec. 4; Serial No. 590,655, published Sept. 4, 1951. Class 16.

Dewike Laboratory: *See*—
Haddad, Joseph A.

Diamond Alkali Company, Cleveland, Ohio. Soda ash, caustic soda, bicarbonate of soda, etc. 551,610, Dec. 4; Serial No. 594,698, published Sept. 4, 1951. Class 6.

Diaperwite, Inc., New York, N. Y. Water softening, detergent, deodorizing and sanitizing compound. 551,664, Dec. 4; Serial No. 601,523, published Aug. 21, 1951. Class 52.

Dixie Mills Company, East St. Louis, Ill. Dog food. 551,560, Dec. 4; Serial No. 588,010, published Aug. 28, 1951. Class 46.

Dodge & Olcott, Inc., New York, N. Y. Chemical compositions—namely, compounds and preparations used in the manufacture of dry and liquid seasonings. 551,609, Dec. 4; Serial No. 594,633, published Aug. 28, 1951. Class 46.

Dollar, Robert, Company, The, also doing business as Heintz & Kaufman Division, San Francisco, Calif. Radio transmitters and receivers and parts therefor, coupled prime mover electric generator units, etc. 551,815, Dec. 4; Serial No. 611,565, published Sept. 11, 1951. Class 21.

Dominion Corset Company, Limited, Quebec, Quebec, Canada. Corsets, girdles, brassières and foundation garments. 551,620, Dec. 4; Serial No. 596,374, published Sept. 11, 1951. Class 39.

Dorrance, Harold J., doing business as Vita-Foot Massager Co., Centerville, Mass. Machine for massaging feet. 551,543, Dec. 4; Serial No. 585,517, published Sept. 4, 1951. Class 44.

Douglass, Josephine, Okmulgee, Okla. Pets' sleeping mat. 551,541, Dec. 4; Serial No. 585,110, published Aug. 28, 1951. Class 3.

Duchess, Inc., San Francisco, and Oakland, Calif. Seasoned and cooked poultry and fish; croutons, bread, and toasts, etc. 551,418, Dec. 4; Serial No. 527,077, published Aug. 7, 1951. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds and mixtures. 551,577, Dec. 4; Serial No. 590,497, published Jan. 16, 1951. Class 6.

Dwyer, F. W., Mfg. Co., Chicago, Ill. Gauges. 551,645, Dec. 4; Serial No. 599,424, published Aug. 14, 1951. Class 26.

Eagle Clothes, Inc., New York, N. Y. Men's clothing. 551,554, Dec. 4; Serial No. 587,147, published Aug. 28, 1951. Class 39.

Early & Daniel Company, The, Cincinnati, Ohio. Poultry feeds, and livestock feed, dog feed. 551,433, Dec. 4; Serial No. 545,730, published May 22, 1951. Class 46.

Economic Materials Co., by J. E. Siebel Sons Co. Inc., Chicago, Ill. Chill-proofing agent. 320,562, Jan. 1, 1935. Republished Dec. 4. Class 6.

Electronic Medical Foundation, San Francisco, Calif. Electrical heating pads for medical use. 551,611, Dec. 4; Serial No. 594,700, published Sept. 4, 1951. Class 44.

Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.

Elgin National Watch Company, Elgin, Ill. Watches, watch movements, and watch cases. 288,383, Oct. 27, 1931. Republished Dec. 4. Class 27.

Elmar Company: *See*—
Misko, Michael J.
Elwell-Parker Electric Company, The, Cleveland, Ohio. Industrial lift trucks. 551,496, Dec. 4; Serial No. 572,028, published Sept. 4, 1951. Class 23.
Emporium, The: *See*—
Emporium Capwell Company, The.
Emporium Capwell Company, The, doing business as The Emporium, San Francisco, Calif. Bedspreads, blankets, comforters, etc. 551,550, Dec. 4; Serial No. 586,745, published Sept. 11, 1951. Class 42.
Essex Metal Products Co., West New York, N. J. Belt buckles. 551,746, Dec. 4; Serial No. 606,422, published Sept. 4, 1951. Class 40.
Esso Standard Oil Company: *See*—
Standard Oil Company of New Jersey.
Estey Piano Corp., Bluffton, Ind. Pianos. 551,614, Dec. 4; Serial No. 594,959, published Sept. 18, 1951. Class 36.
Everyouth Co., The: *See*—
Hurwitz, Nathan.
Ever-Youth Co., The: *See*—
Hurwitz, Nathan.
Exact Weight Scale Company, The, Columbus, Ohio. Weighing scales. 551,830, Dec. 4; Serial No. 528,778, Class 26.
Farley & Loetscher Mfg. Co., Dubuque, Iowa. Millwork. 551,521, Dec. 4; Serial No. 579,973, published Aug. 7, 1951. Class 12.
Farm Crest Bakeries, Inc., Detroit, Mich. Cake. 551,444, Dec. 4; Serial No. 551,965, published Aug. 14, 1951. Class 46.
Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Rubber pelletizers, rubber plasticators, rubber-belt-making machines, etc. 551,425, Dec. 4; Serial No. 538,898, published July 24, 1951. Class 23.
Federal Cigar Company, Inc., The, Red Lion, Pa. Cigars. 551,639, Dec. 4; Serial No. 598,847, published Aug. 28, 1951. Class 17.
Federated Department Stores, Inc., Cincinnati, Ohio, assignee, by mesne assignments, from The John Shillito Company. Men's suits, topcoats, overcoats, etc. 551,437, Dec. 4; Serial No. 547,287, published Sept. 4, 1951. Class 39.
Federated Department Stores, Inc., doing business as John Shillito Company Division, Cincinnati, Ohio, assignee, by mesne assignments, from The John Shillito Company. Men's suits, topcoats, overcoats, etc. 551,438, Dec. 4; Serial No. 547,289, published Sept. 4, 1951. Class 39.
Fenwal Incorporated, Ashland, Mass. Thermal-responsive switches. 551,683, Dec. 4; Serial No. 602,937, published Aug. 14, 1951. Class 26.
Ferro Chemical Corporation, Bedford, Ohio. Synthetic detergents. 551,584, Dec. 4; Serial No. 591,077, published Sept. 11, 1951. Class 52.
Flat Metal Manufacturing Company, Franklin Park, Ill. Shower cabinets. 551,814, Dec. 4; Serial No. 611,512, published Sept. 18, 1951. Class 13.
Fidelity Chemical Products Corp., Newark, N. J. Hot dip coating. 551,853, Dec. 4; Serial No. 601,613. Class 6.
Fifth Avenue Silver Co.: *See*—
Andrade, Manuel J.
Film 'N File, Inc., New York, N. Y. Cameras, film projecting and viewing apparatus, etc. 551,626, Dec. 4; Serial No. 597,259, published Aug. 14, 1951. Class 26.
Filterzone Auto-Vision Co., Brooklyn, N. Y. Plastic filters or sunshade filters. 551,670–2, Dec. 4; Serial Nos. 602,389–91, published July 31, 1951. Class 26.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural, synthetic, and imitation food flavors. 551,603, Dec. 4; Serial No. 594,259, published Aug. 7, 1951. Class 46.
Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.
Fischbein, Dave, Co., Minneapolis, Minn. Sewing machines. 551,539, Dec. 4; Serial No. 584,806, published July 31, 1951. Class 23.
Fitzpatrick Bros. Inc., Chicago, Ill. Soap. 289,700, renewed Dec. 1, 1951. O. G. Dec. 4. Class 52.
Flexible Tubing Corporation, The, Branford, Conn. Flexible tubing. 551,694, Dec. 4; Serial No. 603,842, published Aug. 21, 1951. Class 35.
Florida Citrus Exchange, Tampa, by Indian River Citrus Sub-Exchange, Cocoa City, Fla. Fresh and canned citrus fruits and juices. 296,708, Aug. 16, 1932. Republished Dec. 4. Class 46.
Flowmeter Corporation of America, High Falls, N. Y. Meters. 551,478, Dec. 4; Serial No. 564,381, published Aug. 7, 1951. Class 26.
Foremost Dairies, Inc., Jacksonville, Fla. Ice cream. 543,383–4, June 5, 1951. Corrected. O. G. Dec. 4. Class 46.
Formfit Metal Shoulder Pad Co., New York, N. Y. Metal pads. 551,857, Dec. 4; Serial No. 604,060. Class 50.
Forsberg, Jonas A., Umea, Sweden. Preserved foods. 551,430, Dec. 4; Serial No. 543,588, published Aug. 7, 1951. Class 46.
Star Record Company, Inc., Pasadena, Calif. Mechanically grooved phonograph records. 551,557, Dec. 4; Serial No. 587,721, published Sept. 18, 1951. Class 36.
Frances Citrus Association, Santa Ana, Calif. Fresh citrus fruits. 551,650, Dec. 4; Serial No. 599,756, published Aug. 14, 1951. Class 46.
Fritzsche Brothers, Inc., New York, N. Y. Chemical compounds suitable for the flavoring of food products, etc. 295,077, June 14, 1932. Republished Dec. 4. Class 46.
Future Enterprises, Inc., Grand Forks, N. Dak. Automobile accessories and parts. 551,563, Dec. 4; Serial No. 588,133, published Aug. 21, 1951. Class 23.
Fyr-Fyter Company, The, Dayton, Ohio. Hand operated, pressure operated, cartridge operated, and chemical reaction, portable and stationary fire extinguishers. 551,423, Dec. 4; Serial No. 538,394, published July 31, 1951. Class 23.
G & D Manufacturing Company, Streator, Ill. Mechanical farm equipment. 551,472, Dec. 4; Serial No. 563,673, published Sept. 4, 1951. Class 23.
Gagnier Fibre Products Company, Detroit, Mich. Clip type metal fasteners. 551,685, Dec. 4; Serial No. 603,677, published Sept. 18, 1951. Class 13.
Gallon All-Steel Body Company: *See*—
Central Ohio Steel Products Company.
Geigy Company, Inc., New York, N. Y. Wood-preserving preparation. 551,772, Dec. 4; Serial No. 607,380, published Sept. 4, 1951. Class 6.
Gemex Company, Union, N. J. Bracelets, and watch bracelets and watch straps. 551,722, Dec. 4; Serial No. 605,580, published Aug. 7, 1951. Class 28.
General Cable Corporation, New York, N. Y. Electric wires, and cables and terminals therefor. 290,093, Dec. 22, 1931. Corrected. O. G. Dec. 4. Class 21.
General Ceramics and Steatite Corporation, Keasbey, N. J. Shaped ceramic ferro magnetic materials. 551,564, Dec. 4; Serial No. 588,295, published Sept. 11, 1951. Class 21.
Germania Tea Company, Minneapolis, Minn., to Consolidated Royal Chemical Corporation, Chicago, Ill. Medicines. 285,647, renewed Aug. 4, 1951. O. G. Dec. 4. Class 18.
Gerson, Samuel L., doing business as The Delsam Company, Vineland, N. J. Bar tender's accessory. 551,569, Dec. 4; Serial No. 589,310, published July 31, 1951. Class 23.
Gettelfinger, Joseph A., Cincinnati, Ohio. Hand brackets. 551,536, Dec. 4; Serial No. 583,600, published Sept. 11, 1951. Class 13.
Glens Falls Insurance Company, Glens Falls, N. Y. Underwriting fire, marine, and casualty insurance. 551,822, Dec. 4; Serial No. 567,739, published Sept. 11, 1951. Class 102.
Glenwood Range Company, Taunton, Mass. Electric blankets. 551,812, Dec. 4; Serial No. 610,962, published Aug. 28, 1951. Class 21.
Goddard & Co., Sidney, Vancouver Island, British Columbia, Canada. Chemical compositions. 551,757, Dec. 4; Serial No. 606,865, published Sept. 11, 1951. Class 6.
Goddin, Hazel B., Richmond, Va. Receptacles—namely, metal flower pots and saucers therefor. 551,845, Dec. 4; Serial No. 587,631. Class 13.
Goerlich's, Toledo, Ohio. Mufflers. 551,617, Dec. 4; Serial No. 596,023, published Aug. 21, 1951. Class 23.
Goldstein-Gerson Co., New York, N. Y. Gold and platinum jewelry. 551,713, Dec. 4; Serial No. 605,257, published Aug. 7, 1951. Class 28.
Goldstein Millinery Company, Chicago, Ill. Women's and girls' hats and caps. 352,964, Dec. 21, 1937. Republished Dec. 4. Class 39.
Goldwater Bros., New York, N. Y. Pillow covers, blanket covers, and mattress covers. 551,528, Dec. 4; Serial No. 581,591, published Sept. 11, 1951. Class 42.
Goodman, H., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Synthetic floss-like fibers. 551,749, Dec. 4; Serial No. 606,468, published Sept. 4, 1951. Class 40.
Gottfried Company, The, Cleveland, Ohio. Dresses. 551,473, Dec. 4; Serial No. 563,736, published Jan. 10, 1950. Class 39.
Gradiaz, Annis & Co., Inc., Tampa, Fla. Cigars. 551,686, Dec. 4; Serial No. 603,680, published Aug. 28, 1951. Class 17.
Grainger, W. W., Inc., Chicago, Ill. Electric motors. 551,799, Dec. 4; Serial No. 608,756, published Aug. 28, 1951. Class 21.
Graphic Arts Disability Plan, Inc., New York, N. Y. Underwriting of hospitalization and health and accident insurance. 551,827, Dec. 4; Serial No. 588,798, published Sept. 11, 1951. Class 102.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Corn starch, lard, pancake mix, etc. 551,718, Dec. 4; Serial No. 605,478, published July 17, 1951. Class 46.
Greenspan, Phillip J., Inc., New York, N. Y. Electrical lamps and lamp shades. 551,634, Dec. 4; Serial No. 598,417, published Sept. 11, 1951. Class 21.
Griffin Chemical Company, San Francisco, Calif. Dyestuff for lubricating oil. 551,690, Dec. 4; Serial No. 603,736, published July 31, 1951. Class 15.
Griggs, Cooper & Company, St. Paul, Minn. Candy. 551,570, Dec. 4; Serial No. 589,443, published Aug. 28, 1951. Class 46.
Hadco Engineering Co., Chicago, Ill. Field glasses. 551,568, Dec. 4; Serial No. 589,257, published Aug. 14, 1951. Class 26.

Haddad, Joseph A., doing business as Dewike Laboratory, Toledo, Ohio. Soap. 551,660, Dec. 4; Serial No. 600,828, published Aug. 14, 1951. Class 52.
Hammond Instrument Company, Chicago, Ill. Electrical musical instruments. 551,574, Dec. 4; Serial No. 590,155, published Sept. 18, 1951. Class 36.
Hammond Machinery Builders, Inc., Kalamazoo, Mich. Machines for molding or casting printing plates. 551,471, Dec. 4; Serial No. 563,467, published Aug. 7, 1951. Class 23.
Hammond Research Corporation, Gloucester, Mass. Cups, saucers, dishes. 551,768, Dec. 4; Serial No. 607,327, published Aug. 7, 1951. Class 30.
Hanlon & Goodman Co., Belleville, N. J. Paint brushes. 551,627, Dec. 4; Serial No. 597,273, published Sept. 4, 1951. Class 29.
Harris Laboratories, Inc., Glen Cove, N. Y. Pharmaceutical preparation. 551,586, Dec. 4; Serial No. 591,420, published Jan. 9, 1951. Class 18.
Harrison Company, Inc., The, Long Island City, N. Y. Novelty lapel pins. 551,734, Dec. 4; Serial No. 606,016, published July 31, 1951. Class 40.
Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. 551,665, Dec. 4; Serial No. 601,545, published Sept. 4, 1951. Class 39.
Hecht Company, The, Washington, D. C. Men's and boys' suits. 551,445, Dec. 4; Serial No. 552,391, published Aug. 28, 1951. Class 39.
Hein-Werner Corporation, Waukesha, Wis. Hydraulic jacks. 551,488, Dec. 4; Serial No. 568,189, published Aug. 14, 1951. Class 23.
Heintz & Kaufman Division: *See*—
Dollar, Robert, Company, The.
Henry and Henry, Inc., Buffalo, N. Y. Chocolate flavored syrup. 551,428, Dec. 4; Serial No. 541,674, published Aug. 21, 1951. Class 46.
Herbert Manufacturing Co., Inc., New York, N. Y. Piece goods. 551,808, Dec. 4; Serial No. 610,065, published Aug. 28, 1951. Class 42.
Hercules Powder Company, Wilmington, Del. Molding powder. 551,698, Dec. 4; Serial No. 604,476, published Aug. 7, 1951. Class 1.
Hertz & Company, Inc., New York, N. Y. Metallic embroidered insertions, edgings and medallions, etc. 551,646, Dec. 4; Serial No. 599,432, published July 17, 1951. Class 40.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Toilet soap. 551,443, Dec. 4; Serial No. 551,560, published Sept. 4, 1951. Class 52.
Hi-Flier Manufacturing Company, The, Decatur, Ill. Kites. 551,834–9, Dec. 4; Serial Nos. 552,457–62. Class 22.
Hillyard Chemical Company, St. Joseph, Mo. Electrically operated floor scrubbing and polishing machines. 551,589, Dec. 4; Serial No. 591,927, published Sept. 11, 1951. Class 21.
Hillyard Chemical Company, St. Joseph, Mo. Electrically operated floor surface treating machines. 551,590, Dec 4; Serial No. 591,928, published Sept. 11, 1951. Class 21.
Holmes-Darst Coal Corporation, Knoxville, Tenn. Coal. 551,756, Dec. 4; Serial No. 606,777, published Aug. 7, 1951. Class 1.
Home Containers Corporation, San Francisco, Calif. Glass jars and covers therefor. 551,787, Dec. 4; Serial No. 607,816, published Aug. 28, 1951. Class 33.
Homestead Valve Manufacturing Company, Coraopolis, Pa. Combined mechanical vapor pressure spraying and cleaning machines and water vapor generators. 551,730, Dec. 4; Serial No. 605,901, published Aug. 28, 1951. Class 23.
Hound Metallic Packing Co.: *See*—
Hound Packing Company.
Hound Packing Company, by Hound Metallic Packing Co., Chicago, Ill. Metallic machinery packings. 296,921, Aug. 23, 1932. Republished Dec. 4. Class 35.
House of Bauer, The, doing business as Bauer's, Lincoln, Nebr. Candy. 551,707, Dec. 4; Serial No. 604,969, published Aug. 28, 1951. Class 46.
Hubinger Co., The, Keokuk, Iowa. Starch. 289,514, renewed Dec. 1, 1951. O. G. Dec. 4. Class 6.
Hubinger Co., The, Keokuk, Iowa. Starch. 290,171, renewed Dec. 22, 1951. O. G. Dec. 4. Class 6.
Hubinger Co., The, Keokuk, Iowa. Laundry starch. 290,203, renewed Dec. 22, 1951. O. G. Dec. 4. Class 6.
Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand operated compression sprayers. 551,542, Dec. 4; Serial No. 585,379, published Sept. 4, 1951. Class 23.
Hunt Foods, Inc., Fullerton, Calif. Canned fruits and canned vegetables. 551,741, Dec. 4; Serial No. 606,299, published July 24, 1951. Class 46.
Huntington Laboratories, Inc., Huntington, Ind. Liquid shampoo. 289,726, renewed Dec. 1, 1951. O. G. Dec. 4. Class 52.
Hurwitz, Nathan, doing business as The Ever-Youth Co., to Norman Hurwitz, doing business as The Everyouth Co., New York, N. Y. Hair color restorer. 283,551, renewed June 2, 1951. O. G. Dec. 4. Class 51.
Huwood Components Limited, Newcastle-on-Tyne, England. Electrically powered culinary mixing and mincing machines. 551,807, Dec. 4; Serial No. 609,861, published Sept. 4, 1951. Class 21.
HyCrest Farms: *See*—
Sawyer, Lester T.
Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Valves. 551,636, Dec. 4; Serial No. 600,437, published Sept. 18, 1951. Class 13.
Hydrolock Manufacturing Inc., The, Mansfield, Ohio. High pressure air coupling. 551,492, Dec. 4; Serial No. 570,704, published Sept. 11, 1951. Class 13.
Illinois Tool Works, Chicago, Ill. Electric terminals. 551,549, Dec. 4; Serial No. 586,487, published Sept. 11, 1951. Class 21.
Illinois Watch Case Co., operating under the name of Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Jewelry. 551,714, Dec. 4; Serial No. 605,260, published Aug. 14, 1951. Class 28.
Indian River Citrus Sub-Exchange: *See*—
Florida Citrus Exchange.
Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Automatic air-line lubricators. 551,752, Dec. 4; Serial No. 606,612, published Aug. 14, 1951. Class 23.
International Business Machines Corporation: *See*—
International Time Recording Company of New York.
International Time Recording Company of New York, Endicott, to International Business Machines Corporation, New York, N. Y. Time stamps. 286,770, renewed Sept. 1, 1951. O. G. Dec. 4. Class 26.
Iron Fireman Manufacturing Company, Portland, Oreg. Combination air conditioning and heating systems. 551,841, Dec. 4; Serial No. 578, 596. Class 34.
Iron Fireman Manufacturing Company, Portland, Oreg. Heating plants and warm air furnaces. 551,842, Dec. 4; Serial No. 578,597. Class 34.
Isaly Dairy Company, The, Youngstown, Ohio. Homogenized, concentrated, skimmed milk. 551,708, Dec. 4; Serial No. 604,971, published Aug. 28, 1951. Class 46.
Island Creek Coal Sales Company, Huntington, W. Va. Coal. 551,687, Dec. 4; Serial No. 603,685, published Aug. 28, 1951. Class 1.
Jacobs, E. H., Manufacturing Co., Inc., assignor to The Bullard Clark Company, Danielson, Conn. Loom supplies. 551,447, Dec. 4; Serial No. 553,113, published Aug. 21, 1951. Class 23.
Jacobs, E. H., Manufacturing Co., Inc., assignor to The Bullard Clark Company, Danielson, Conn. Loom supplies. 551,455, Dec. 4; Serial No. 557,454, published Dec. 26, 1950. Class 23.
Jefferson Standard Broadcasting Company, doing business as Radio Station WBT, Charlotte, N. C. Advertising and entertainment services. 551,821, Dec. 4; Serial No. 556,893, published Sept. 11, 1951. Class 101.
Jergens, Andrew, Company, The, Cincinnati, Ohio. Dentifrice. 551,553, Dec. 4; Serial No. 586,862, published Aug. 7, 1951. Class 51.
Johns-Manville Corporation, New York, N. Y. Thermal insulation. 551,576, Dec. 4; Serial No. 590,443, published July 24, 1951. Class 12.
Johnson & Johnson, New Brunswick, N. J. Toilet brushes, tooth brushes, and other personal brushes. 551,649, Dec. 4; Serial No. 599,569, published Sept. 4, 1951. Class 29.
Joyal and Van Dale Co., Pawtucket, R. I. Cotton, rayon or nylon shoelaces. 551,759, Dec. 4; Serial No. 606,946, published Aug. 7, 1951. Class. 40.
Justi, H. D., & Son, Inc., Philadelphia, Pa. Dental burs. 551,703, Dec. 4; Serial No. 604,724, published Aug. 7, 1951. Class 44.
Kahn's, S., Sons, Inc., Evansville, Ind. Canned foods. 551,500, Dec. 4; Serial No. 572,745, published Sept. 4, 1951. Class 46.
Karmac Company, The, Dallas, Tex. Hand-rolled plaster of Paris bandages. 551,704, Dec. 4; Serial No. 604,785, published Aug. 28, 1951. Class 44.
Karseal Corporation, Los Angeles, Calif. Automobile body polish. 551,572, Dec. 4; Serial No. 589,514, published Sept. 11, 1951. Class 4.
Kay Electric Company, Pine Brook, N. J. Instrument which is a sound spectograph which produces permanent visual records. 551,688, Dec. 4; Serial No. 603,689, published Aug. 14, 1951. Class 26.
Kayser, Julius, & Co., New York, N. Y. Hosiery. 289,096, renewed Nov. 17, 1951. O. G. Dec. 4. Class 39.
Kelco Company, San Diego, Calif. Alkali metal salts. 551,758, Dec. 4; Serial No. 606,871, published Sept. 4, 1951. Class 6.
Kimberly-Clark Corporation, Neenah, Wis. Cellulose fiber synthetic panels. 551,677, Dec. 4; Serial No. 602,809, published July 17, 1951. Class 12.
Kingan & Co. Incorporated, Indianapolis, Ind. Lard. 551,448, Dec. 4; Serial No. 553,780, published June 19, 1951. Class 46.
Kirsch Company, Sturgis, Mich. Curtain rods and drapery hardware. 551,533, Dec. 4; Serial No. 583,153, published Sept. 18, 1951. Class 13.
Knapp-Monarch Company, St. Louis, Mo. Deodorant. 551,849, Dec. 4; Serial No. 592,708. Class 6.
Knit Products Sales Company, Belmont, N. C. Ladies' hosiery. 551,654, Dec. 4; Serial No. 600,172, published Sept. 4, 1951. Class 39.
Knox Products Company: *See*—
Webb's City, Inc.

Kom-Fut Arch Support Co., Inc., New York, N. Y. Arch supports. 288,352, Oct. 27, 1931. Republished Dec. 4. Class 44.

Koree, Jean U., New York, N. Y. Concrete blocks. 551,797, Dec. 4; Serial No. 608,209, published July 17, 1951. Class 12.

Kranich & Bach, New York, N. Y. Pianos. 551,510, Dec. 4; Serial No. 576,587, published Sept. 18, 1951. Class 36.

Lady Esther, Ltd., Chicago, Ill. Hand cream make-up. 551,642, Dec. 4; Serial No. 599,181, published Aug. 28, 1951. Class 51.

Lake County Cannery, Inc., Upper Lake, Calif. Canned vegetables. 551,791, Dec. 4; Serial No. 608,072, published Sept. 18, 1951. Class 46.

La Monte, George, & Son, Nutley, N. J. Safety paper. 551,431, Dec. 4; Serial No. 544,353, published May 30, 1950. Class 37.

Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Toilet water. 551,833, Dec. 4; Serial No. 547,007. Class 51.

Larus & Brother Company, Richmond, Va. Smoking tobacco. 551,604, Dec. 4; Serial No. 594,270, published Sept. 25, 1951. Class 17.

Larus & Brother Company, Richmond, Va. Cigarettes. 551,717, Dec. 4; Serial No. 605,363, published Sept. 4, 1951. Class 17.

Lear, Incorporated, Grand Rapids, Mich. Electric sound reproducing apparatus. 551,657, Dec. 4; Serial No. 600,439, published Aug. 28, 1951. Class 21.

Liebergall, Joseph, & Co., New York, N. Y. Mink skins. 551,773, Dec. 4; Serial No. 607,388, published Sept. 11, 1951. Class 1.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 551,462, Dec. 4; Serial No. 560,034, published Aug. 7, 1951. Class 18.

Lincoln Oil Refining Company, Robinson, Ill., to The Ohio Oil Company, Findlay, Ohio. High softening point bituminous material. 289,409, renewed Nov. 24, 1951. O. G. Dec. 4. Class 12.

Lip-Tex, Inc., Denver, Colo. Preparation for application as a coating over applied lipstick. 551,696, Dec. 4; Serial No. 604,441, published July 31, 1951. Class 51.

Logan Fuel Company, Incorporated, Cincinnati, Ohio. Coal. 551,573, Dec. 4; Serial No. 589,731, published Aug. 28, 1951. Class 1.

Long, James B., & Company, Chicago, Ill. Food colors, cheese colors and food flavoring extracts. 551,440, Dec. 4; Serial No. 550,050, published Aug. 28, 1951. Class 46.

Lorr, Inc., Chicago, Ill. Saline cathartic. 551,474, Dec. 4; Serial No. 563,746, published Aug. 7, 1951. Class 18.

Lorillard, P., Company, New York, N. Y. Smoking tobacco. 551,719, Dec. 4; Serial No. 605,487, published Aug. 28, 1951. Class 17.

Losito, Vincent, & Sons, New Garden, Pa. Food sauce. 551,607, Dec. 4; Serial No. 594,480, published Aug. 21, 1951. Class 46.

Lucky Strike Perfumeries Corporation, New York, N. Y. Lipstick. 551,628, Dec. 4; Serial No. 597,448, published July 31, 1951. Class 51.

Lutz Pork Bait Co., Kansas City, Mo. Pork rind fish bait. 551,840, Dec. 4; Serial No. 573,430. Class 22.

Maico Company, Incorporated, The, Minneapolis, Minn. Hearing aid devices. 551,732, Dec. 4; Serial No. 605,962, published Aug. 28, 1951. Class 44.

Máquinas de Coser Alfa Sociedad Anónima Eibar (Guipuzcoa), Spain. Sewing and stitching machines as well as spare parts. 551,489, Dec. 4; Serial No. 568,437, published Sept. 4, 1951. Class 23.

Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. 551,565, Dec. 4; Serial No. 588,309, published July 24, 1951. Class 23.

Masurel Worsted Mills, Inc., Woonsocket, R. I. Yarns. 551,809, Dec. 4; Serial No. 610,374, published Sept. 11, 1951. Class 43.

Mautz Paint & Varnish Company, Madison, Wis. Ready mixed paints; ready mixed paint primers and sealers; etc. 551,426, Dec. 4; Serial No. 540,297, published Sept. 18, 1951. Class 16.

Mayer, Oscar, & Co., Inc., Chicago, Ill. Vegetable shortening. 551,651, Dec. 4; Serial No. 599,891, published Sept. 18, 1951. Class 46.

McBride's: *See*—
Taylor, Marion M.

McEvoy, J. P.: *See*—
McNaught Syndicate, Inc., The.

McFall-Brodie Company, Glendale, Calif. Drinking glasses. 551,605, Dec. 4; Serial No. 594,273, published Aug. 7, 1951. Class 33.

McGrath & Sons, Detroit, Mich. Gasoline gauges. 551,470, Dec. 4; Serial No. 563,353, published Aug. 14, 1951. Class 26.

McNaught Syndicate, Inc., The, to J. P. McEvoy, New York, N. Y. Comic strips. 287,349–50, renewed Sept. 22, 1951. O. G. Dec. 4. Class 38.

Mead Johnson & Company, Evansville, Ind. Pharmaceutical preparation. 551,548, Dec. 4; Serial No. 586,419, published Aug. 7, 1951. Class 18.

Medical Center Opticians, Washington, D. C. Spectacles, lenses, and frames. 551,674, Dec. 4; Serial No. 602,514, published Aug. 14, 1951. Class 26.

Merriam and Company, Washington, D. C. Germicides. 444,607, Dec. 4; Serial No. 497,186, published Sept. 17, 1946. Class 18.

Middlshade Company, Inc., The, Philadelphia, Pa. Men's and boys' suits, overcoats, and topcoats. 289,744, renewed Dec. 1, 1951. O. G. Dec. 4. Class 39.

Mid-West Refineries, Inc., Grand Rapids, Mich. Addition agent for hydrocarbon motor fuels. 551,502, Dec. 4; Serial No. 573,133, published July 31, 1951. Class 15.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Surgical drapes. 551,728, Dec. 4; Serial No. 605,754, published Aug. 7, 1951. Class 44.

Min-Sun Trading Co., Chicago, Ill., assignee of Min-Sun Trading Co. Canned bean sprouts, canned chop suey vegetables, canned chow mein noodles, etc. 551,415, Dec. 4; Serial No. 487,561, published Sept. 18, 1951. Class 46.

Minutoll, A., doing business as Travertite Company, San Francisco, Calif. Synthetic and artificial stone. 551,655, Dec. 4; Serial No. 600,388, published Aug. 28, 1951. Class 12.

Misko, Michael J., doing business as Elmar Company, Inglewood, Calif. Game. 551,852, Dec. 4; Serial No. 599,252. Class 22.

Mississippi Valley Canning Co., The, Osceola, Ark. Canned vegetables. 551,689, Dec. 4; Serial No. 603,696 published Aug. 28, 1951. Class 46.

Mitchell, Samuel, East Cleveland, Ohio. Liquid cream lotion. 551,647, Dec. 4; Serial No. 599,446, published July 31, 1951. Class 51.

Modern Optics, Incorporated, Houston, Tex. Spectacle lenses. 551,850, Dec. 4; Serial No. 594,979. Class 26.

Monad Paint and Varnish Company, Philadelphia, Pa. Colors in oil for paints, paint pastes, or paint pigments. 289,486, Dec. 1, 1931. Republished Dec. 4. Class 16.

Montabert, Germaine, and Company, New York, N. Y. Decorative braid. 551,778, Dec. 4; Serial No. 607,545, published Aug. 7, 1951. Class 40.

Montana Flour Mills Co., Harlowton, to Montana Flour Mills Co., Great Falls, Mont. Wheat-flour. 84,847–8, re-renewed Jan. 9, 1952. O. G. Dec. 4. Class 46.

Montres Credos S. A., Nidau, Switzerland. Watches. 551,721, Dec. 4; Serial No. 605,522, published Aug. 7, 1951. Class 27.

Morton Manufacturing Corporation, Lynchburg, Va. Astringent deodorant powder. 290,034, renewed Dec. 22, 1951. O. G. Dec. 4. Class 51.

Morton Salt Company, Chicago, Ill. Salt brick. 551,422, Dec. 4; Serial No. 537,812, published Sept. 11, 1951. Class 46.

Mosaic Tile Company, Zanesville, Ohio. Floor and wall tiles. 289,773, renewed Dec. 8, 1951. O. G. Dec. 4. Class 12.

Mueller Co., Decatur, Ill. Automatic controls for hot water heating systems. 551,432, Dec. 4; Serial No. 545,155, published Sept. 11, 1951. Class 13.

Mulhern, John, Co., San Francisco, Calif. Canned and bottled crushed fruits, syrups, shelled nuts, etc. 286,861, renewed Sept. 8, 1951. O. G. Dec. 4. Class 46.

Munn & Co., Inc., to Scientific American, Inc., New York, N. Y. Weekly periodicals. 84,333, re-renewed Nov. 28, 1951. O. G. Dec. 4. Class 38.

Nagel, Herman, doing business as The Herman Nagel Co., Chicago, Ill. Mineral supplement. 551,417, Dec. 4; Serial No. 517,858, published Aug. 7, 1951. Class 18.

Nagel, Herman, Co., The: *See*—
Nagel, Herman.

National Carbon Company, Inc., New York, N. Y., now by merger Union Carbide and Carbon Corporation. Carbon and graphite packing rings and seal rings. 444,613, Dec. 4; Serial No. 525,927, published May 2, 1950. Class 35.

National Florists' Telegraph Delivery Service, Los Angeles, Calif. Natural flowers. 551,667, Dec. 4; Serial No. 601,745, published Aug. 7, 1951. Class 1.

National Orchestral Association, Inc., The, New York, N. Y. The promotion of interest, appreciation and understanding of orchestral instruments and music. 551,823, Dec. 4; Serial No. 575,366, published Sept. 4, 1951. Class 107.

National Silver Company, New York, N. Y. Mug. 551,817, Dec. 4; Serial No. 611,851, published Sept. 18, 1951. Class 13.

Nawiliwili Canning Co., Ltd., Lihue, Kauai, Hawaii. Canned tuna. 551,754, Dec. 4; Serial No. 606,672, published Aug. 7, 1951. Class 46.

Newberry, J. J., Co., New York, N. Y. Kitchen knives. 551,844, Dec. 4; Serial No. 585,892. Class 23.

Noble, Don, & Company, Inc., Chicago, Ill. Carrying cases for piano accordions. 444,612, Dec. 4; Serial No. 521,358, published Sept. 11, 1951. Class 36.

Nordic Manufacturing Company, Minneapolis, Minn. Flash gun bracket. 551,643, Dec. 4; Serial No. 599,188, published Aug. 14, 1951. Class 26.

Northern Metal Products Company, Chicago, Ill. Electrical apparatus. 551,803, Dec. 4; Serial No. 609,410, published Sept. 4, 1951. Class 21.

Norton Coal Corporation, Nortonville, Ky. Coal and washed coal. 551,596, Dec. 4; Serial No. 593,362, published Sept. 4, 1951. Class 1.

Nursmatic Corporation, Chicago, Ill. Infant feeding bottles. 551,744, Dec. 4; Serial No. 606,390, published Aug. 28, 1951. Class 44.

Nutrena Mills, Inc., Kansas City, Kans. Stock and poultry feeds. 378,020, May 21, 1940. Amended. O. G. Dec. 4. Class 46.

Ohio Oil Company, The: *See*—
Lincoln Oil Refining Company.

Olden Camera & Lens Company, New York, N. Y. Cameras and lenses therefor, shutters, enlargers, etc. 551,804, Dec. 4; Serial No. 609,414, published Aug. 14, 1951. Class 26.

Omnipol, Akciova Spolecnost: *See*—
Omnipol, Limited Company.

Omnipol, Limited Company, also named Omnipol, Akciova Spolecnost, Prague, Czechoslovakia. Metallic and enameled cooking, serving and household hollow ware, etc. 551,460, Dec. 4; Serial No. 559,809, published Sept. 11, 1951. Class 13.

Onan, D. W., & Sons, Inc., Minneapolis, Minn. Gasoline-driven engine-generator set. 551,669, Dec. 4; Serial No. 602,161, published Aug. 14, 1951. Class 21.

Oregon Saw Chain Corporation, Portland, Oreg. Saw chains, chain saw bars, saw bar handles, etc. 551,859, Dec. 4; Serial No. 609,985. Class 23.

Organon Inc.: *See*—
"Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G.

Organon Inc., Orange, N. J. Medicinal preparations. 551,593, Dec. 4; Serial No. 592,928, published Jan. 9, 1951. Class 18.

Owens-Corning Fiberglas Corporation, Toledo, Ohio. Mats, bats, and sheets of fibrous material. 551,519, Dec. 4; Serial No. 579,379, published July 17, 1951. Class 12.

Oxford Boyswear, Inc., New York, N. Y. Children's, boys', girls', misses', and women's apparel. 551,750, Dec. 4; Serial No. 606,483, published Sept. 11, 1951. Class 39.

Oxo Welding Equipment Company, Chicago, Ill. Combined valve and pressure gage. 551,600, Dec. 4; Serial No. 593,882, published July 24, 1951. Class 26.

Pacific Airmotive Corporation, Burbank, Calif. Repair, maintenance and overhaul of aircraft and aircraft engines, and components thereof. 551,825, Dec. 4; Serial No. 586,059, published Sept. 11, 1951. Class 103.

Packease-Servease Corp.: *See*—
Barnhard, Harold J.

Paillard Limited: *See*—
Paillard Products, Inc.

Paillard Products, Inc., New York, N. Y., assignor to Paillard Limited, Yverdon, Switzerland. Typewriters. 551,538, Dec. 4; Serial No. 584,691, published Sept. 11, 1951. Class 23.

Palm Terrace Fruit Company, Mount Dora, Fla. Fresh citrus fruits, fresh deciduous fruits, fresh vegetables, etc. 551,691, Dec. 4; Serial No. 603,745, published Aug. 28, 1951. Class 46.

Paramount Textile Machinery Co., Chicago, Ill. Hosiery setting machines. 551,630, Dec. 4; Serial No. 598,202, published Sept. 4, 1951. Class 23.

Parkview Markets, Inc., Cincinnati, Ohio. Canned vegetables. 551,621, Dec. 4; Serial No. 596,375, published Sept. 4, 1951. Class 46.

Patek Brothers, Inc., Milwaukee, Wis. Paint. 551,420, Dec. 4; Serial No. 531,823, published Sept. 4, 1951. Class 16.

Paterson, Pam, Inc., New York, N. Y. Women's, misses' and girl's dresses. 551,790, Dec. 4; Serial No. 608,015, published Sept. 11, 1951. Class 39.

Penick, S. B., & Company, New York, N. Y. Insecticidal dust concentrate. 551,662, Dec. 4; Serial No. 601,372, published Sept. 11, 1951. Class 6.

Penick, S. B., & Company, New York, N. Y. Food flavoring products. 551,725, Dec. 4; Serial No. 605,677, published Aug. 21, 1951. Class 46.

Penn, Margaret, Candy Company, Philadelphia, Pa. Candy. 551,465, Dec. 4; Serial No. 560,566, published Aug. 28, 1951. Class 46.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Salt (the partially refined mineral) cryolite, fluorspar. 551,463, Dec. 4; Serial No. 560,042, published Sept. 11, 1951. Class 1.

Permanente Cement Company, Oakland, Calif. Building cement. 551,806, Dec. 4; Serial No. 609,772, published July 31, 1951. Class 12.

Pharr Canning Co., Inc., Van Buren, Ark. Canned vegetables. 551,854, Dec. 4; Serial No. 601,943. Class 46.

Phyllis Originals, Inc., Providence, R. I. Jewelry. 551,616, Dec. 4; Serial No. 595,556, published Aug. 14, 1951. Class 28.

Physicians and Hospitals Supply Company, Inc.: *See*—
Ulmer, George G.

Pierce, F. O., Company, Long Island City, N. Y. Smooth semi-gloss flat paint and enamel finish. 551,608, Dec. 4; Serial No. 594,577, published Sept. 18, 1951. Class 16.

Pioneer Merchandise Co., Philadelphia, Pa., and New York, N. Y. Sewing needles. 551,765, Dec. 4; Serial No. 607,234, published Sept. 11, 1951. Class 40.

Pioneer Rubber Company, The, Willard, Ohio. Surgical gloves. 551,781, Dec. 4; Serial No. 607,639, published Aug. 7, 1951. Class 44.

Piqua Machine & Manufacturing Company, The, Piqua, Ohio. Power operated liquid pumps. 551,632, Dec. 4; Serial No. 598,321, published Aug. 28, 1951. Class 23.

Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Chemicals—namely, coke, pitch, pyridine still residues, etc. 551,556, Dec. 4; Serial No. 587,502, published Sept. 4, 1951. Class 1.

Plastylite Corporation, Plainfield, N. J. Plastic handles for electric irons, plastic plates for electric switches, etc. 444,608, Dec. 4; Serial No. 503,326, published Sept. 4, 1951. Class 21.

Pneumatic Scale Corporation, Limited, Quincy, Mass. Filling machines. 551,761, Dec. 4; Serial No. 607,093, published July 31, 1951. Class 23.

Portland Glove Company, Carlton, Oreg. Leather, fabric, and a combination of leather and fabric gloves. 551,792, Dec. 4; Serial No. 608,078, published Sept. 11, 1951. Class 39.

Powers, Alice L. B., Larchmont, N. Y. Lingerie ribbon retainers. 551,673, Dec. 4; Serial No. 602,420, published July 17, 1951. Class 40.

Powers Regulator Company, The, Chicago, Ill. Temperature recording thermometers, thermostatic temperature regulators, etc. 551,477, Dec. 4; Serial No. 564,263, published Aug. 14, 1951. Class 26.

Preservative Products Company, New York, N. Y. Oil base paints in ready-mixed form and painters' materials. 444,609, Dec. 4; Serial No. 505,516, published June 6, 1950. Class 16.

Pride Hybrid Company, Minneapolis, Minn. Hybrid seed corn. 551,731, Dec. 4; Serial No. 605,916, published Aug. 28, 1951. Class 1.

Prima Products, Inc., New York, N. Y. Water repellent film coating. 551,794, Dec. 4; Serial No. 608,124, published Sept. 18, 1951. Class 16.

Progressive Ribbon Co., New York, N. Y. Textile belting. 551,517, Dec. 4; Serial No. 578,412, published Sept. 4, 1951. Class 40.

Quaker Oats Company, The, Chicago, Ill. Dehydrated grasses and clover. 551,733, Dec. 4; Serial No. 605,970, published July 31, 1951. Class 46.

Quinn, J. W., Drug Company, Greenwood, Miss. Laundry starch. 551,848, Dec. 4; Serial No. 592,665. Class 6.

Radinite Corporation, New York, N. Y. Furniture polish and cleaner. 551,524, Dec. 4; Serial No. 580,377, published Sept. 11, 1951. Class 4.

Radio Station WBT: *See*—
Jefferson Standard Broadcasting Company.

Rand Rubber Company, Inc., Brooklyn, N. Y. Baby pants. 551,776, Dec. 4; Serial No. 607,452, published Sept. 4, 1951. Class 39.

Ray Burner Company, to Ray Oil Burner Co., San Francisco, Calif. Electrical apparatus. 288,885, renewed Nov. 10, 1951. O. G. Dec. 4. Class 21.

Ray Oil Burner Co.: *See*—
Ray Burner Company.

Red Star Button Co., Inc., New York, N. Y. Buttons. 551,723–4, Dec. 4; Serial Nos. 605,606–7, published July 24, 1951. Class 40.

Reed & Barton, Taunton, Mass. Silver-ware. 551,782, Dec. 4; Serial No. 607,641, published Aug. 7, 1951. Class 28.

Reider, S. A., & Co., New York, N. Y. Clocks. 551,693, Dec. 4; Serial No. 603,813, published Aug. 7, 1951. Class 27.

Reliance Devices Company, Inc., by Swiveller Company, Inc., New York, N. Y. Electric light sockets, fluorescent light sockets, etc. 400,745, Mar. 30, 1943. Republished Dec. 4. Class 21.

Richard, Andre W., New York, N. Y. Dental display units. 551,575, Dec. 4; Serial No. 590,341, published Aug. 14, 1951. Class 44.

Richelieu Corporation, The, New York, N. Y. Costume jewelry. 551,598, Dec. 4; Serial No. 593,832, published Aug. 7, 1951. Class 28.

Riverside & Dan River Cotton Mills, Inc., to Dan River Mills, Incorporated, Danville, Va. Cotton broadcloth. 290,683–5, renewed Jan. 12, 1952. O. G. Dec. 4. Class 42.

Robbin, A., and Company: *See*—
Robbin, Al.

Robbin, Al, doing business as A. Robbin and Company, Chicago, Ill. Fabrics. 551,468, Dec. 4; Serial No. 561,945, published Sept. 11, 1951. Class 42.

Robertson, H. H., Company, Pittsburgh, Pa. Synthetic resin adhesives. 551,613, Dec. 4; Serial No. 594,859, published Sept. 4, 1951. Class 5.

Robertson Manufacturing Company, Morrisville, Pa. Wall tile. 551,501, Dec. 4; Serial No. 572,924, published July 17, 1951. Class 12.

Rodier, Tissages, Paris, France. Cloths and stuffs. 551,534, Dec. 4; Serial No. 583,292, published Sept. 11, 1951. Class 42.

Rogers County Coal Company, Kansas City, Mo. Coal. 551,751, Dec. 4; Serial No. 606,488, published Aug. 28, 1951. Class 1.

Rogers Imports Inc., New York, N. Y. Tobacco pipe reamers. 551,739, Dec. 4; Serial No. 606,237, published Sept. 11, 1951. Class 8.

Rosedale Knitting Company, Reading, Pa. Women's hosiery. 551,774, Dec. 4; Serial No. 607,400, published Sept. 11, 1951. Class 39.

Rosenberg Bros. & Co., to Rosenberg Bros. & Co., Inc., San Francisco, Calif. Figs. 84,413, re-renewed Dec. 12, 1951. O. G. Dec. 4. Class 46.

Rosenberg Bros. & Co., Inc.: *See*—
Rosenberg Bros. & Co.

Rosendahl, Jean, Flag Point, Toms River, N. J. Ceramic corn dish. 551,552, Dec. 4; Serial No. 586,820, published Aug. 7, 1951. Class 30.

Rotborough Company, The, Philadelphia, Pa. Women's hosiery. 551,784, Dec. 4; Serial No. 607,685, published Sept. 4, 1951. Class 39.

Rubinstein, Helena, Inc., New York, N. Y. Depilatory cream. 551,523, Dec. 4; Serial No. 580,263, published Aug. 28, 1951. Class 51.

Rush Products Co., The, Los Angeles, Calif. Cleaning liquid. 551,525, Dec. 4; Serial No. 580,751, published July 25, 1950. Class 52.

S. O. & C. Co., Ansonia, Conn., and Boston, Mass., to United Shoe Machinery Corporation, Boston, Mass. Eyelets and lacing-hooks. 83,608, re-renewed Sept. 26, 1951. O. G. Dec. 4. Class 40.

Safety Grinding Wheel & Machine Co.: *See*—
Simonds Worden White Company.

St. Clair Rubber Company, Detroit, Mich. Compound generally utilized as a sealing cement or adhesive. 551,466, Dec. 4; Serial No. 560,578, published Aug. 14, 1951. Class 5.

St. Paul & Tacoma Lumber Co., Tacoma, Wash. Wood shingles. 551,680, Dec. 4; Serial No. 602,858, published July 17, 1951. Class 12.

Salant & Salant, Inc., New York, N. Y. Men's and boys' work shirts. 551,747, Dec. 4; Serial No. 606,442, published Sept. 11, 1951. Class 39.

Salem-Brosius, Inc.: *See*—
Brosius, Edgar E., Company Inc.

Salem Commodities, Incorporated, Baltimore, Md., doing business as Superior Cheese Company, Green Bay, Wis. Cheese. 551,780, Dec. 4; Serial No. 607,605, published Aug. 21, 1951. Class 46.

Salm & Israel, New York, N. Y. Elastic tape, hook and eye tapes, etc. 551,599, Dec. 4; Serial No. 593,834, published Aug. 21, 1951. Class 40.

Sandoz Chemical Works, Inc., New York, N. Y. Pure glucosides. 291,301, renewed Feb. 9, 1952. O. G. Dec. 4. Class 18.

"Sapal" Société Anonyme des Plieuses Automatiques, Lausanne, Switzerland. Packaging machines and machines for pasting labels, etc. 551,442, Dec. 4; Serial No. 551,317, published Aug. 21, 1951. Class 23.

Sarjanian, Arshag, doing business as Sarjanian Glove Company, Detroit, Mich. Plastic coated fabric working gloves. 551,518, Dec. 4; Serial No. 579,135, published Sept. 11, 1951. Class 39.

Sarjanian Glove Company: *See*—
Sarjanian, Arshag.

Sasieni London, Ltd., New York, N. Y., by Sasieni Ltd., London, England. Smokers' pipes. 280,380, Feb. 17, 1931. Republished Dec. 4. Class 8.

Sasieni Ltd.: *See*—
Sasieni London, Ltd.

Saunders Mills, Inc.: *See*—
California-Hawaiian Milling Company.

Sawyer, Lester T., doing business under the name and style of Hycrest Farms, Sterling, Mass. Bull semen for use in artificial semination of cows. 551,711, Dec. 4; Serial No. 605,177, published Aug. 7, 1951. Class 1.

Schleifer, Fred A., & Associates, Inc., Chicago, Ill. Coal. 551,709, Dec. 4; Serial No. 605,061, published Aug. 7, 1951. Class 1.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's princess slips, nightgowns, pajamas, etc. 551,459, Dec. 4. Serial No. 558,937, published Sept. 11, 1951. Class 39.

Schueller, Eugène, Paris, France. Rouge, face cream, hair lotion, etc. 551,629, Dec. 4; Serial No. 597,933, published Aug. 28, 1951. Class 51.

Scientific American, Inc.: *See*—
Munn & Co., Inc.

Scintilla Ltd., Soleure, Switzerland. Propulsion systems and apparatus for land, air, and water vehicles, etc. 551,637, Dec. 4; Serial No. 598,754, published Sept. 4, 1951. Class 23.

Screws and Instruments, Inc., New York, N. Y. Atomizers. 551,762, Dec. 4; Serial No. 607,100, published Aug. 28, 1951. Class 44.

Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo. Electrical record players, television receiving sets, radio receiving sets, etc. 551,618, Dec. 4; Serial No. 596,124, published Sept. 11, 1951. Class 21.

Seeman Brothers, Inc., New York, N. Y. Canned peas. 551,831, Dec. 4; Serial No. 533,401. Class 46.

Segal, Jacob J., doing business under the name of Tropical Hobbyland, Miami, Fla. Tropical plants and shrubbery, tropical fish and zoo animals. 551,745, Dec. 4; Serial No. 606,395, published Aug. 28, 1951. Class 1.

Sears, Roebuck and Co., Chicago, Ill. Levels, miter boxes, squares, etc. 551,491, Dec. 4; Serial No. 570,655, published Aug. 14, 1951. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Buffing and polishing equipment and supplies. 551,494, Dec. 4. Serial No. 571,099, published Sept. 4, 1951. Class 4.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 551,526, Dec. 4; Serial No. 581,085, published Sept. 11, 1951. Class 42.

Service Diamond Tool Company, Ferndale, Mich. Geiger counting instruments. 551,588, Dec. 4; Serial No. 591,800, published Aug. 7, 1951. Class 26.

Shallenberger, Garvin D., Missoula, Mont. Shoe shining kits. 551,712, Dec. 4; Serial No. 605,234, published Sept. 4, 1951. Class 29.

Shawinigan Products Corporation, New York, N. Y. Carbon black. 202,354, Aug. 18, 1925. Republished Dec. 4. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and pesticides. 551,522, Dec. 4; Serial No. 580,210, published June 20, 1950. Class 6.

Shi'lito, John, Company, The: *See*—
Federated Department Stores, Inc.

Shillito, John, Company Division: *See*—
Federated Department Stores, Inc.

Siam Shellac Company Limited, The, Amphur Bukalo, Dhonburi, Siam. Seedlac. 551,499, Dec. 4; Serial No. 572,521, published Sept. 11, 1951. Class 1.

Siebel, J. E., Sons Co., Inc.: *See*—
Economic Materials Co.

Sieminski, Alfred, doing business under the name of Alsojan Associates, New York, N. Y. Individually served table glass server. 551,436, Dec. 4; Serial No. 546,521, published Aug. 21, 1951. Class 33.

Sierra Club, San Francisco, Calif. Exploring and discovering, gathering, compiling and disseminating information about parts of the earth and its life. 551,829, Dec. 4; Serial No. 598,612, published Sept. 4, 1951. Class 100.

Signature Hosiery Company: *See*—
Signature Hosiery Company, Inc.

Signature Hosiery Company, Inc., Philadelphia, Pa., and New York, N. Y., by Signature Hosiery Company, North Wales, Pa. Hosiery. 290,145, Dec. 22, 1931. Republished Dec. 4. Class 39.

Simonds Worden White Company, doing business as Safety Grinding Wheel & Machine Co., Dayton, Ohio. Abrasive grinding wheels. 551,508, Dec. 4; Serial No. 574,651, published Sept. 4, 1951. Class 4.

Simplicity Engineering Company, Durand, Mich. Vibrating screens and vibrating conveyors. 551,788, Dec. 4; Serial No. 607,905, published Aug. 28, 1951. Class 23.

Sims, James H., Simsville, Ala. Clover seed. 551,742, Dec. 4; Serial No. 606,337, published Sept. 18, 1951. Class 1.

Smith, Willard H., doing business as The Deep Run Packing Company, Dub'in, Pa. Dog food and cat food. 551,658, Dec. 4; Serial No. 600,624, published Aug. 28, 1951. Class 46.

Smoler, Boris, & Sons, Inc., Chicago, Ill. Women's and children's aprons, dresses, and smocks. 551,493, Dec. 4; Serial No. 570,727, published Sept. 11, 1951. Class 39.

Sociedad Anonima Quebrachales Fusionados, Buenos Aires, Argentina. Tanning agent. 551,748, Dec. 4; Serial No. 606,443, published Sept. 11, 1951. Class 6.

Societe Anonyme Coloniale Ernest Lambert & Cie. Fort-de-France, Martinique. Canned fruit juices. 551,419, Dec. 4; Serial No. 528,747, published Aug. 28, 1951. Class 46.

Societe Cadolle Freres, Paris, France. Perfumery and toilet preparations. 285,734, renewed Aug. 4, 1951. O. G. Dec. 4. Class 51.

Societe de Faconnage et de Commerce, Velaines, France. Musical instruments. 551,505, Dec. 4; Serial No. 573,814, published Sept. 11, 1951. Class 36.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compound of petroleum and fatty oils. 551,760, Dec. 4; Serial No. 607,048, published Sept. 11, 1951. Class 6.

So'omito, Joe, doing business under the trade name of Solomito Stone Company, Bloomington, Ind. Veneer. 551,666, Dec. 4; Serial No. 601,696, published Aug. 28, 1951. Class 12.

Solomito Stone Company: *See*—
Solomito, Joe.

Southern Pacific Milling Company, San Francisco, Calif. Dairy and poultry feed and grain. 278,983, Jan. 6, 1951. Restricted. O. G. Dec. 4. Class 46.

South Florida Test Service: *See*—
De Noon, Earl M.

Southwestern Petroleum Company, doing business as The Zone Company, Fort Worth, Tex. Roofing cement. 551,805, Dec. 4; Serial No. 609,496, published July 31, 1951. Class 12.

Spooner Dryer & Engineering Company Limited, The, Ilkley, England. Air conditioning plant and fans for ventilating. 551,843, Dec. 4; Serial No. 581,459. Class 34.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Pipe-coating enamel. 284,166, renewed June 16, 1951. O. G. Dec. 4. Class 16.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Asphalt and asphalt pipe coating. 288,254, renewed Oct. 20, 1951. O. G. Dec. 4. Class 12.

Standard Ribbon Co., New York, N. Y. Seam binding. 551,769, Dec. 4; Serial No. 607,360, published Sept. 4, 1951. Class 40.

Standard Varnish Works, Staten Island, N. Y. Liquid filler. 551,467, Dec. 4; Serial No. 561,155, published Sept. 4, 1951. Class 16.

Stanley Works, The, New Britain, Conn. Screw drivers and vises. 551,449, Dec. 4; Serial No. 555,317, published Aug. 21, 1951. Class 23.

Starline Inc., Harvard, Ill. Barn door hardware. 551,507, Dec. 4; Serial No. 574,595, published Sept. 18, 1951. Class 13.

Starr Pharmacal Co.: *See*—
Starr, Rose.

Starr, Rose, doing business as Starr Pharmacal Co., New York, N. Y. Preparation for the treatment of obesity. 551,421, Dec. 4; Serial No. 534,204, published Aug. 3, 1948. Class 18.

Stedi-Flo Air Circulators, Inc., Miami, Fla. Electric air circulators. 551,785, Dec. 4; Serial No. 607,726, published Sept. 11, 1951. Class 21.

Sterwin Chemicals Inc., New York, N. Y. Chemical composition used for bleaching and maturing flour. 551,726, Dec. 4; Serial No. 605,691, published July 31, 1951. Class 46.

Steve's Cheese Co., Denmark, Wis. Cheese. 551,597, Dec. 4; Serial No. 593,506, published Aug. 21, 1951. Class 46.

Stewart Company: *See*—
Cumback, Oliver S.

Strausberg, Jack, Chicago, Ill. Entertainment service. 551,828, Dec. 4; Serial No. 588,906, published Sept. 11, 1951. Class 107.

Street, R. R., & Co., Inc., Chicago, Ill. Dry cleaning compound. 551,429, Dec. 4; Serial No. 543,235, published Sept. 11, 1951. Class 52.

Sturdy's, J. F., Sons, to J. F. Sturdy's Sons Company, Attleboro Falls, Mass. Chains. 37,263, re-renewed Oct. 29, 1951. O. G. Dec. 4. Class 28.

Sturdy's, J. F., Sons Company: *See*—
Sturdy's, J. F., Sons.

Sun Chemical Corporation, Long Island City, N. Y. Polyethylene film. 551,529, Dec. 4; Serial No. 582,109, published Aug. 7, 1951. Class 1.

Superior Cheese Company: *See*—
Salem Commodities, Incorporated.

Swing-Spout Measure Company, Los Angeles, Calif. Liquid measures. 551,427, Dec. 4; Serial No. 541,478, published Aug. 14, 1951. Class 26.

Swivelier Company, Inc.: *See*—
Reliance Devices Company, Inc.

Synthetic Plastics Company, Newark, N. J. Mechanically grooved phonograph records. 551,514, Dec. 4; Serial No. 577,823, published Sept. 18, 1951. Class 36.

T & N Valve Company, Shandon, Calif. Float valves. 551,810, Dec. 4; Serial No. 610,390, published Sept. 18, 1951. Class 13.

Tabin-Picker & Co., Chicago, Ill. Women's and misses' dresses, aprons, and suits. 551,798, Dec. 4; Serial No. 608,439, published Sept. 11, 1951. Class 39.

Tablerock Laboratories, Inc.: *See*—
Ames Co.

Taylor-Colquitt Co., Spartanburg, S. C. Lumber, railroad ties, wooden piles, etc. 551,578, Dec. 4; Serial No. 590,532, published Aug. 14, 1951. Class 12.

Taylor, Marion McB., doing business as McBride's, Methuen, Mass. Disinfectant and exterminator. 551,633, Dec. 4; Serial No. 598,394, published Sept. 11, 1951. Class 6.

Temperature Engineers Inc., Skokie, Ill. Designing, installing, maintaining, etc., refrigerating and air conditioning apparatus. 551,861, Dec. 4; Serial No. 548,880. Class 103.

Thompson Horticultural Chemicals Corporation, Los Angeles, Calif. Insecticides. 551,668, Dec. 4; Serial No. 601,962, published Sept. 4, 1951. Class 6.

Thompson Shoe Products, Inc., Brockton, Mass. Shoe bottom filling material. 551,495, Dec. 4; Serial No. 571,302, published Aug. 7, 1951. Class 1.

Tillstrom, F. B., Chicago, Ill. Entertainment services. 551,824, Dec. 4; Serial No. 579,231, published Sept. 11, 1951. Class 107.

Tilmore Watch Company, Philadelphia, Pa. Watches, clocks, watch and clock movements, etc. 551,490, Dec. 4; Serial No. 570,015, published Aug. 16, 1949. Class 27.

Topton Rug Mfg. Co.: *See*—
Collins, Grace R.

Topton Rug Manufacturing Co., assignee: *See*—
Collins, Grace R.

Travertite Company: *See*—
Minutoli, A.

Trio Novelty Mfg. Corp., New York, N. Y. Shoulder pads. 551,602, Dec. 4; Serial No. 594,237, published Aug. 21, 1951. Class 40.

Tropical Hobbyland: *See*—
Segal, Jacob J.

Twitchell, E. W., Incorporated, Philadelphia, Pa. Fabrics. 551,561, Dec. 4; Serial No. 588,054, published Sept. 11, 1951. Class 42.

Ulmer, George G., doing business as Ulmer Laboratories, to Physicians and Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medicinal preparation. 289,653, renewed Dec. 1, 1951. O. G. Dec. 4. Class 18.

Ulmer Laboratories: *See*—
Ulmer, George G.

Ulmer Pharmal Company: *See*—
Ulmer, George G.

Ulrich Manufacturing Company: *See*—
Ulrich, Raymond M.

Ulrich, Raymond M., doing business as Ulrich Manufacturing Company, assignor to Ulrich Manufacturing Company, Roanoke, Ill. Hydraulic conduit couplings. 551,450, Dec. 4; Serial No. 555,783, published Sept. 11, 1951. Class 13.

Union Carbide and Carbon Corporation: *See*—
National Carbon Company, Inc.

Union Oil Company of California, Los Angeles, Calif. Asphalts. 551,504, Dec. 4; Serial No. 573,447, published Sept. 11, 1951. Class 1.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils. 551,779, Dec. 4; Serial No. 607,566, published July 31, 1951. Class 15.

Union Trading Company Ltd., Basel, Switzerland. Textile fabrics. 551,546, Dec. 4; Serial No. 586,374, published Sept. 11, 1951. Class 42.

Union Trading Company Ltd., Basel, Switzerland. Textile fabrics. 551,547, Dec. 4; Serial No. 586,381, published Sept. 11, 1951. Class 42.

United Shoe Machinery Corporation: *See*—
S. O. & C. Co.

U. S. Chemical Corporation, Newark, N. J. Acrylic polymer plastic composition. 444,610, Dec. 4; Serial No. 511,137, published Aug. 28, 1951. Class 6.

United States Plywood Corporation, New York, N. Y. Pipe tubing, and fittings. 551,562, Dec. 4; Serial No. 588,056, published Sept. 18, 1951. Class 13.

United States Rubber Company, New York, N. Y. Hose. 551,710, Dec. 4; Serial No. 605,080, published Sept. 4, 1951. Class 35.

Universal Dental Company, Philadelphia, Pa. Artificial teeth. 551,818, Dec. 4; Serial No. 614,181, published Aug. 28, 1951. Class 44.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 551,625, Dec. 4; Serial No. 597,182, published Mar. 27, 1951. Class 18.

Upland Lemon Growers Association, Upland, Calif. Fresh citrus fruits. 551,503, Dec. 4; Serial No. 573,344, published Apr. 25, 1950. Class 46.

Valmy Garment Company, Inc., Hammond, La. Slips, nightgowns, petticoats, etc. 551,451, Dec. 4; Serial No. 555,853, published Sept. 11, 1951. Class 39.

Van Cleef Bros., Inc., Chicago, Ill. Friction tape. 551,661, Dec. 4; Serial No. 600,998, published Sept. 11, 1951. Class 21.

Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Preparation in powder form to be added to other ingredients in the preparation of icings, toppings, and the like. 286,104, renewed Aug. 8, 1951. O. G. Dec. 4. Class 46.

Vita-Foot Massager Co.: *See*—
Dorrance, Harold J.

Von Duprin Fire Exit Latch Company, to Vonnegut Hardware Co., Indianapolis, Ind. Locks and latches. 85,021, re-renewed Jan. 16, 1952. O. G. Dec. 4. Class 25.

Vonnegut Hardware Co.: *See*—
Von Duprin Fire Exit Latch Company.

Vonnegut Hardware Company, Indianapolis, Ind. Threshold strips. 551,594, Dec. 4; Serial No. 592,956, published Aug. 28, 1951. Class 12.

Wahpeton Pottery Company, Wahpeton, N. Dak. Pottery salt and pepper sets, vases, etc. 551,816, Dec. 4; Serial No. 611,667, published Aug. 28, 1951. Class 30.

Wallerstein Company, Inc., New York, N. Y. Diastatic enzyme preparations. 551,755, Dec. 4; Serial No. 606,688, published Sept. 11, 1951. Class 6.

Walter, R. C., & Sons, Exeter, Calif. Fresh grapes. 551,716, Dec. 4; Serial No. 605,338, published July 17, 1951. Class 46.

Walton, Izaak, League of America, Inc., Chicago, Ill. Grass seed. 551,735, Dec. 4; Serial No. 606,094, published Aug. 7, 1951. Class 1.

Wasco Flashing Co., Cambridge, Mass. Flashing material. 551,595, Dec. 4; Serial No. 593,150, published Aug. 14, 1951. Class 12.

Watford Chemical Co. Limited, London, England. Emulsifying agents. 551,511, Dec. 4; Serial No. 576,890, published July 31, 1951. Class 6.

Weather-Wise Windows, Incorporated, Alliance, Ohio. Storm windows and doors. 551,675, Dec. 4; Serial No. 602,656, published July 17, 1951. Class 12.

Webb's City, Inc., doing business under the style of Knox Products Company, St. Petersburg, Fla. Stainless insecticide, deodorant, repellant, germicide preparation. 551,457, Dec. 4; Serial No. 558,426, published Aug. 14, 1951. Class 6.

Western Lithograph Company, Los Angeles, Calif. Adhesive markers. 551,592, Dec. 4; Serial No. 592,792, published Aug. 21, 1951. Class 5.

West Virginia Pulp and Paper Company, New York, N. Y. Natural black or vegetable black for use principally as a pigment. 551,476, Dec. 4; Serial No. 563,971, published Sept. 11, 1951. Class 6.

Whipple Bros., Inc., Laceyville, Pa. Acoustical, sound absorbing and sound quieting materials. 551,540, Dec. 4; Serial No. 585,036, published July 17, 1951. Class 12.

Whiting-Adams Company, Inc., Boston, Mass. Flat varnish brushes, flat sash trim brushes, oval sash tool brushes, etc. 551,648, Dec. 4; Serial No. 599,542, published Sept. 4, 1951. Class 29.

Williamson, Garfield, Inc., Jersey City, N. J. Grass seed. 551,619, Dec. 4; Serial No. 596,211, published Sept. 4, 1951. Class 1.
Willson, Corwin D., Flint, Mich. Fiber concrete compositions. 551,482, Dec. 4; Serial No. 566,832, published Aug. 21, 1951. Class 12.
Wilson, Frank M., Company, Stockton, Calif. Canned peas and canned peaches. 551,695, Dec. 4; Serial No. 604,055, published Aug. 28, 1951. Class 46.
Wilson's, William M., Sons, Inc., Lansdale, Pa. Hand operated rotary pumps. 551,581, Dec. 4; Serial No. 590,724, published July 31, 1951. Class 23.
Winsted Hardware Manufacturing Company, The, Winsted, Conn. Electrical sadirons. 551,640, Dec. 4; Serial No. 599,044, published Sept. 11, 1951. Class 21.
Wintrob, M., & Sons Limited, Toronto, Ontario, Canada. Machine used by the individual smoker to form cigarettes. 551,497, Dec. 4; Serial No. 572,143, published Aug. 21, 1951. Class 8.
Wood Conversion Company, St. Paul, Minn. Color-coated rigid fiber insulation board. 551,566, Dec. 4; Serial No. 588,346, published Aug. 28, 1951. Class 12.
Wood, Gar, Industries, Inc., Wayne, Mich. Bodies for garbage and refuse hauling trucks. 551,858, Dec. 4; Serial No. 609,591. Class 19.
Woodhams, Walter J., doing business as Woodlin Metal Products Company, Marshall, Mich. Windows. 551,729, Dec. 4; Serial No. 605,885, published Aug. 14, 1951. Class 12.
Woodison, E. J., Company, Detroit, Mich. Parting compound formed as a dry powder from amorphous rock. 551,441, Dec. 4; Serial No. 550,765, published Aug. 21, 1951. Class 1.
Woodlin Metal Products Company: *See*—
Woodhams, Walter J.
Woodruff, S. D., & Sons, Inc., Orange, Conn. Grass seed. 551,513, Dec. 4; Serial No. 577,502, published Aug. 28, 1951. Class 1.
World Adventure Series, Incorporated, Detroit, Mich. Lecturing on experiences, places and events of interest. 551,826, Dec. 4; Serial No. 586,830, published Sept. 11, 1951. Class 107.
Worthington Foods, Inc., Worthington, Ohio. Vegetable protein food. 551,753, Dec. 4; Serial No. 606,645, published Aug. 28, 1951. Class 46.
Wurlitzer, Rudolph, Company, The, Chicago, Ill. Pianos, trumpets, saxophones, etc. 551,613, Dec. 4; Serial No. 595,434, published Sept. 18, 1951. Class 36.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Washing and cleaning compound. 551,555, Dec. 4; Serial No. 587,415, published Aug. 14, 1951. Class 52.
Wycombe, Meyer, Company, New York, N. Y. Upholstery and drapery fabrics. 551,587, Dec. 4; Serial No. 591,758, published Sept. 11, 1951. Class 42.
Wyeth Incorporated, Philadelphia, Pa. Penicillin and sulfonamides. 551,800, Dec. 4; Serial No. 609,020, published Aug. 14, 1951. Class 18.
Yankee Metal Products Corp., Norwalk, Conn. Outside rear-view mirrors. 551,832, Dec. 4; Serial No. 535,110. Class 19.
Yardney Electric Corp., New York, N. Y. Electric storage batteries. 551,583, Dec. 4; Serial No. 590,964, published Sept. 11, 1951. Class 21.
York Company: *See*—
York Pharmacal Company.
York Pharmacal Company, also doing business as York Company, St. Louis, Mo. Hair wave setting preparation, face powders, personal deodorants, etc. 551,506, Dec. 4; Serial No. 573,858, published Aug. 7, 1951. Class 51.
Young's Merchandising Corporation, New York, N. Y. Men's hats. 551,479, Dec. 4; Serial No. 564,419, published Sept. 11, 1951. Class 39.
Yuma Mesa Fruit Growers Association, Yuma, Ariz. Fresh citrus fruits. 551,452, Dec. 4; Serial No. 555,855, published Aug. 28, 1951. Class 46.
Zone Company, The: *See*—
Southwestern Petroleum Company.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Asphalts. Union Oil Company of California. 551,504, Dec. 4; Serial No. 573,447, published Sept. 11, 1951.
Bull semen for use in artificial semination of cows. L. T. Sawyer. 551,711, Dec. 4; Serial No. 605,177, published Aug. 7, 1951.
Chemicals—namely, coke, pitch, pyridine still residues, etc. Pittsburgh Coke & Chemical Company. 551,556, Dec. 4; Serial No. 587,502, published Sept. 4, 1951.
Coal. Holmes-Darst Coal Corporation. 551,756, Dec. 4; Serial No. 606,777, published Aug. 7, 1951.
Coal. Island Creek Coal Sales Company. 551,687, Dec. 4; Serial No. 603,685, published Aug. 28, 1951.
Coal. Logan Fuel Company, Incorporated. 551,573, Dec. 4; Serial No. 589,731, published Aug. 28, 1951.
Coal. Rogers County Coal Company. 551,751, Dec. 4; Serial No. 606,488, published Aug. 28, 1951.
Coal. Fred A. Schleifer & Associates, Inc. 551,709, Dec. 4; Serial No. 605,061, published Aug. 7, 1951.
Coal and washed coal. Norton Coal Corporation. 551,596, Dec. 4; Serial No. 593,362, published Sept. 4, 1951.
Leather, Finished. Allied Kid Company. 551,692, Dec. 4; Serial No. 603,757, published Aug. 7, 1951.
Molding powder. Hercules Powder Company. 551,698, Dec. 4; Serial No. 604,476, published Aug. 7, 1951.
Natural flowers. National Florists' Telegraph Delivery Service. 551,667, Dec. 4; Serial No. 601,745, published Aug. 7, 1951.
Parting compound formed as a dry powder from amorphous rock. E. J. Woodison Company. 551,441, Dec. 4; Serial No. 550,765, published Aug. 21, 1951.
Plants and shrubbery, Tropical, tropical fish, and zoo animals. J. J. Segal. 551,745, Dec. 4; Serial No. 606,395, published Aug. 28, 1951.
Polyethylene film. Sun Chemical Corporation. 551,529, Dec. 4; Serial No. 582,109, published Aug. 7, 1951.
Salt (the partially refined mineral) cryolite, fluorspar. The Pennsylvania Salt Manufacturing Company. 551,463, Dec. 4; Serial No. 560,042, published Sept. 11, 1951.
Seed, Clover. J. H. Sims. 551,742, Dec. 4; Serial No. 606,337, published Sept. 18, 1951.
Seed corn, Hybrid. Pride Hybrid Company. 551,731, Dec. 4; Serial No. 605,916, published Aug. 28, 1951.
Seed, Grass. Izaak Walton League of America, Inc. 551,735, Dec. 4; Serial No. 606,094, published Aug. 7, 1951.
Seed, Grass. Garfield Williamson, Inc. 551,619, Dec. 4; Serial No. 596,211, published Sept. 4, 1951.
Seed, Grass. S. D. Woodruff & Sons, Inc. 551,513, Dec. 4; Serial No. 577,502, published Aug. 28, 1951.
Seedlac. The Siam Shellac Company Limited. 551,499, Dec. 4; Serial No. 572,521, published Sept. 11, 1951.
Shoe bottom filling material. Thompson Shoe Products, Inc. 551,495, Dec. 4; Serial No. 571,302, published Aug. 7, 1951.
Skins, Mink. Joseph Liebergall & Co. 551,773, Dec. 4; Serial No. 607,388, published Sept. 11, 1951.
Waste paper. L. J. Burstein. 551,461, Dec. 4; Serial No. 559,994, published Aug. 7, 1951.

CLASS 2

Bags, Fabric. Bemis Bro. Bag Company. 290,810, renewed Jan. 19, 1952, O. G. Dec. 4.
Bags, Paper parcel. Cohoes Envelope Company, Inc. 551,860, Dec. 4; Serial No. 612,718.
Envelopes, Merchandising, and bags. The American Paper Goods Company. 288,053, renewed Oct. 20, 1951. O. G. Dec. 4.

CLASS 3

Handbags, suitcases and trunks. Belber Trunk and Bag Company. 551,435, Dec. 4; Serial No. 546,181, published Aug. 28, 1951.
Sleeping mat, Pets'. J. Douglass. 551,541, Dec. 4; Serial No. 585,110, published Aug. 28, 1951.

CLASS 4

Abrasive grinding wheels. Simonds Worden White Company. 551,508, Dec. 4; Serial No. 574,651, published Sept. 4, 1951.
Buffing and polishing equipment and supplies. Sears, Roebuck and Co. 551,494, Dec. 4; Serial No. 571,099, published Sept. 4, 1951.
Polish and cleaner, Furniture. Radinite Corporation. 551,524, Dec. 4; Serial No. 580,377, published Sept. 11, 1951.
Polish, Automobile body. Karseal Corporation. 551,572, Dec. 4; Serial No. 589,514, published Sept. 11, 1951.

CLASS 5

Adhesive markers. Western Lithograph Company. 551,592, Dec. 4; Serial No. 592,792, published Aug. 21, 1951.
Adhesives, Synthetic resin. H. H. Robertson Company. 551,613, Dec. 4; Serial No. 594,859, published Sept. 4, 1951.
Compound generally utilized as a sealing cement or adhesive. St. Clair Rubber Company. 551,466, Dec. 4; Serial No. 560,578, published Aug. 14, 1951.

CLASS 6

Acrylic polymer plastic composition. U. S. Chemical Corporation. 444,610, Dec. 4; Serial No. 511,137, published Aug. 28, 1951.
Alkali metal salts. Kelco Company. 551,758, Dec. 4; Serial No. 606,871, published Sept. 4, 1951.
Anti-freezes. Central Petroleum Company. 551,795, Dec. 4; Serial No. 608,187, published Sept. 4, 1951.

Carbon black. Shawinigan Products Corporation. 202,354, Aug. 18, 1925. Republished Dec. 4.
Chemical compositions. Goddard & Co. 551,757, Dec. 4; Serial No. 606,865, published Sept. 11, 1951.
Chemical compounds and mixtures. E. I. du Pont de Nemours and Company. 551,577, Dec. 4; Serial No. 590,497, published Jan. 16, 1951.
Chill-proofing agent. Economic Materials Co. 320,562, Jan. 1, 1935. Republished Dec. 4.
Coating materials for vacuum or electronic tubes. The API Parts Corporation. 551,770, Dec. 4; Serial No. 607,371, published Sept. 11, 1951.
Compound of petroleum and fatty oils. Socony-Vacuum Oil Company, Incorporated. 551,760, Dec. 4; Serial No. 607,048, published Sept. 11, 1951.
Deodorant. Knapp-Monarch Company. 551,849, Dec. 4; Serial No. 592,708.
Disastatic enzyme preparations. Wallerstein Company, Inc. 551,755, Dec. 4; Serial No. 606,688, published Sept. 11, 1951.
Disinfectant and exterminator. M. M. Taylor. 551,633, Dec. 4; Serial No. 598,394, published Sept. 11, 1951.
Dyeing compositions. Allied Chemical & Dye Corporation. 551,558, Dec. 4; Serial No. 587,927, published Sept. 11, 1951.
Emulsifying agents. Watford Chemical Co. Limited. 551,511, Dec. 4; Serial No. 576,890, published July 31, 1951.
Hot dip coating. Fidelity Chemical Products Corp. 551,853, Dec. 4; Serial No. 601,613.
Hydrogen peroxide, ammonium persulphate, and potassium persulphate. Buffalo Electro-Chemical Company, Inc. 288,414, renewed Oct. 27, 1951. O. G. Dec. 4.
Insecticidal dust concentrate. S. B. Penick & Company. 551,662, Dec. 4; Serial No. 601,372, published Sept. 11, 1951.
Insecticide. W. F. Davis. 551,855, Dec. 4; Serial No. 602,249.
Insecticide, deodorant, repellant, germicide preparation, Stainless, Webb's City, Inc. 551,457, Dec. 4; Serial No. 558,426, published Aug. 14, 1951.
Insecticides. Thompson Horticultural Chemicals Corporation. 551,668, Dec. 4; Serial No. 601,962, published Sept. 4, 1951.
Insecticides and pesticides. The Sherwin-Williams Company. 551,522, Dec. 4; Serial No. 580,210, published June 20, 1950.
Metal preservative preparations. Carrier Engineering Company Limited. 551,484, Dec. 4; Serial No. 567,498, published Sept. 11, 1951.
Natural black or vegetable black for use principally as a pigment. West Virginia Pulp and Paper Company. 551,476, Dec. 4; Serial No. 563,971, published Sept. 11, 1951.
Plasticizers. Godfrey L. Cabot, Inc. 551,663, Dec. 4; Serial No. 601,424, published Sept. 4, 1951.
Rust inhibitor fluid. Caterpillar Tractor Co. 551,623, Dec. 4; Serial No. 596,777, published Sept. 4, 1951.
Soda ash, caustic soda, bicarbonate of soda, etc. Diamond Alkali Company. 551,610, Dec. 4; Serial No. 594,698, published Sept. 4, 1951.
Starch. The Hubinger Co. 289,514, renewed Dec. 1, 1951. O. G. Dec. 4.
Starch. The Hubinger Co. 290,171, renewed Dec. 22, 1951. O. G. Dec. 4.
Starch, Laundry. The Hubinger Co. 290,203, renewed Dec. 22, 1951. O. G. Dec. 4.
Starch, Laundry. J. W. Quinn Drug Company. 551,848, Dec. 4; Serial No. 592,665.
Tanning agent. Sociedad Anonima Quebrachales Fusionados. 551,748, Dec. 4; Serial No. 606,443, published Sept. 11, 1951.
Water softening and water conditioning chemicals. Calgon, Incorporated. 551,705, Dec. 4; Serial No. 604,902, published Sept. 18, 1951.
Wood-preserving preparation. Geigy Company, Inc. 551,772, Dec. 4; Serial No. 607,380, published Sept. 4, 1951.

CLASS 8

Machine used by the individual smoker to form cigarettes. M. Wintrob & Sons Limited. 551,497, Dec. 4; Serial No. 572,143, published Aug. 21, 1951.
Pipe reamers, Tobacco. Rogers Imports Inc. 551,739, Dec. 4; Serial No. 606,237, published Sept. 11, 1951.
Pipes, Smokers'. H. Comoy & Co., Limited. 551,512, Dec. 4; Serial No. 577,103, published Aug. 15, 1950.
Pipes, Smokers'. Sasieni London, Ltd. 280,380, Feb. 17, 1931. Republished Dec. 4.

CLASS 10

Peat moss, Enriched. Atkins & Durbrow, Inc. 551,856, Dec. 4; Serial No. 603,953.

CLASS 12

Acoustical, sound absorbing and sound quieting materials. Whipple Bros., Inc. 551,540, Dec. 4; Serial No. 585,036, published July 17, 1951.
Asphalt and asphalt pipe coating. Standard Oil Company of New Jersey. 288,254, renewed Oct. 20, 1951. O. G. Dec. 4.
Asphaltic material. Anderson-Prichard Oil Corporation. 444,611, Dec. 4; Serial No. 516,244, published May 4, 1948.
Blocks, Concrete. J. U. Koree. 551,797, Dec. 4; Serial No. 608,209, published July 17, 1951.
Cement, Building. Permanente Cement Company. 551,806, Dec. 4; Serial No. 609,772, published July 31, 1951.
Cement, Oil well. The Cement Marketing Company, Limited. 551,622, Dec. 4; Serial No. 596,391, published Aug. 14, 1951.
Cement, Roofing. Southwestern Petroleum Company. 551,805, Dec. 4; Serial No. 609,496, published July 31, 1951.
Ceramic air ducts, molded hollow blocks and floor tiles. Clay Products Association. 551,424, Dec. 4; Serial No. 538,608, published July 31, 1951.
Construction materials. All-Steel Equipment Inc. 551,458, Dec. 4; Serial No. 558,434, published July 31, 1951.
Construction materials. Caobas Mexicanas, S. A. 551,653, Dec. 4; Serial No. 600,162, published July 17, 1951.
Fiber concrete compositions. C. D. Willson. 551,482, Dec. 4; Serial No. 566,832, published Aug. 21, 1951.
Fiber insulation board, Color-coated rigid. Wood Conversion Company. 551,566, Dec. 4; Serial No. 588,346, published Aug. 28, 1951.
Flashing material. Wasco Flashing Co. 551,595, Dec. 4; Serial No. 593,150, published Aug. 14, 1951.
Flooring, Oak. E. L. Bruce Co. 285,659, Aug. 4, 1931. Republished Dec. 4.
High softening point bituminous material. Lincoln Oil Refining Company. 289,409, renewed Nov. 24, 1951. O. G. Dec. 4.
Lumber, railroad ties, wooden piles, etc. Taylor-Colquitt Co. 551,578, Dec. 4; Serial No. 590,532, published Aug. 14, 1951.
Mats, bats, and sheets of fibrous material. Owens-Corning Fiberglas Corporation. 551,519, Dec. 4; Serial No. 579,379, published July 17, 1951.
Millwork. Farley & Loetscher Mfg. Co. 551,521, Dec. 4; Serial No. 579,973, published Aug. 7, 1951.
Panels, Cellulose fiber synthetic. Kimberly-Clark Corporation. 551,677, Dec. 4; Serial No. 602,809, published July 17, 1951.
Panels, Enamel-coated hardboard wall. Colotyle Tyle-Bord, Inc. 551,612, Dec. 4; Serial No. 594,759, published July 17, 1951.
Shingles, Wood. St. Paul & Tacoma Lumber Co. 551,680, Dec. 4; Serial No. 602,858, published July 17, 1951.
Synthetic and artificial stone. A. Minutoli. 551,655, Dec. 4; Serial No. 600,388, published Aug. 28, 1951.
Thermal insulation. Johns-Manville Corporation. 551,576, Dec. 4; Serial No. 590,443, published July 24, 1951.
Threshold strips. Vonnegut Hardware Company. 551,594, Dec. 4; Serial No. 592,956, published Aug. 28, 1951.
Tile, Building. Cerametal Corporation. 551,591, Dec. 4; Serial No. 592,358, published July 31, 1951.
Tile, Permanently colored concrete floor. Bronson Block Company. 551,789, Dec. 4; Serial No. 607,928, published July 17, 1951.
Tile, Wall. Robertson Manufacturing Company. 551,501, Dec. 4; Serial No. 572,924, published July 17, 1951.
Tiles, Floor and wall. Mosaic Tile Company. 289,773, renewed Dec. 8, 1951. O. G. Dec. 4.
Veneer. J. Solomito. 551,666, Dec. 4; Serial No. 601,696, published Aug. 28, 1951.
Windows. W. J. Woodhams. 551,729, Dec. 4; Serial No. 605,885, published Aug. 14, 1951.
Windows and doors, Storm. Weather-Wise Windows, Incorporated. 551,675, Dec. 4; Serial No. 602,636, published July 17, 1951.

CLASS 13

Automatic controls for hot water heating systems. Mueller Co. 551,432, Dec. 4; Serial No. 545,155, published Sept. 11, 1951.
Brackets, Hand. J. A. Gettelfinger. 551,536, Dec. 4; Serial No. 583,600, published Sept. 11, 1951.
Cabinets, Shower. Flat Metal Manufacturing Company. 551,814, Dec. 4; Serial No. 611,512, published Sept. 18, 1951.
Coupling, High pressure air. The Hydrolock Manufacturing Inc. 551,492, Dec. 4; Serial No. 570,704, published Sept. 11, 1951.
Couplings and fittings, Industrial hose. Anchor Coupling Company, Inc. 551,544, Dec. 4; Serial No. 585,557, published Sept. 11, 1951.
Couplings, Hydraulic conduit. R. M. Ulrich. 551,450, Dec. 4; Serial No. 555,783, published Sept. 11, 1951.
Expansion joints. American District Steam Company, Inc. 551,681, Dec. 4; Serial No. 602,877, published Sept. 11, 1951.
Expansion joints and radiator valves. American District Steam Company, Inc. 551,682, Dec. 4; Serial No. 602,878, published Sept. 11, 1951.
Fasteners, Clip type metal. Gagnier Fibre Products Company. 551,685, Dec. 4; Serial No. 603,677, published Sept. 18, 1951.
Hardware, Barn door. Starline Inc. 551,507, Dec. 4; Serial No. 574,595, published Sept. 18, 1951.
Hollow ware, Metallic and enameled cooking, serving and household, etc. Omnipol Limited Company. 551,460, Dec. 4; Serial No. 539,809, published Sept. 11, 1951.

Mug. National Silver Company. 551,817, Dec. 4; Serial No. 611,851, published Sept. 18, 1951.
Nails. The American Steel and Wire Company of New Jersey. 551,659, Dec. 4; Serial No. 600,752, published Sept. 18, 1951.
Pipe and fittings, Metal, and miscellaneous appurtenances therefor. James B. Clow & Sons. 551,498, Dec. 4; Serial No. 572,484, published Sept. 11, 1951.
Pipe, tubing, and fittings. United States Plywood Corporation. 551,562, Dec. 4; Serial No. 588,056, published Sept. 18, 1951.
Racks for mounting onto a wall. Berkeley Industries. 551,545, Dec. 4; Serial No. 585,911, published Sept. 11, 1951.
Receptacles—namely, metal flower pots and saucers therefor. H. B. Goddin. 551,845, Dec. 4; Serial No. 587,631.
Rods, Curtain, and drapery hardware. Kirsch Company. 551,533, Dec. 4; Serial No. 583,153, published Sept. 18, 1951.
Traps, Steam. The V. D. Anderson Company. 287,259, renewed Sept. 15, 1951. O. G. Dec. 4.
Valves. The Hydraulic Press Manufacturing Company. 551,656, Dec. 4; Serial No. 600,437, published Sept. 18, 1951.
Valves, Float. T & N Valve Company. 551,810, Dec. 4; Serial No. 610,390, published Sept. 18, 1951.

CLASS 14

Steel and steel blanks, forms, shapes, and parts for manufactured articles. Crucible Steel Company of America. 37,264, re-renewed Oct. 29, 1951. O. G. Dec. 4.

CLASS 15

Addition agent for hydrocarbon motor fuels. Mid-West Refineries, Inc. 551,502, Dec. 4; Serial No. 573,133, published July 31, 1951.
Dye-stuff for lubricating oil. Griffin Chemical Company. 551,690, Dec. 4; Serial No. 603,736, published July 31, 1951.
Oils, Lubricating. Union Oil Company of California. 551,779, Dec. 4; Serial No. 607,566, published July 31, 1951.
Petroleum wax. Boler Petroleum Company, Inc. 551,771, Dec. 4; Serial No. 607,374, published July 31, 1951.

CLASS 16

Coating, Water repellent film. Prima Products, Inc. 551,794, Dec. 4; Serial No. 608,124, published Sept. 18, 1951.
Colors in oil for paints, paint pastes, or paint pigments. Monad Paint and Varnish Company. 289,486, Dec. 1, 1931. Republished Dec. 4.
Enamel, Pipe-coating. Standard Oil Company of New Jersey. 284,166, renewed June 16, 1951. O. G. Dec. 4.
Filler, Liquid. Standard Varnish Works. 551,467, Dec. 4; Serial No. 561,155, published Sept. 4, 1951.
Paint. Patek Brothers, Inc. 551,420, Dec. 4; Serial No. 531,823, published Sept. 4, 1951.
Paint, Enamel. Chase Products Co. 551,847, Dec. 4; Serial No. 590,807.
Paint, Smooth semi-gloss flat, and enamel finish. F. O. Pierce Company. 551,608, Dec. 4; Serial No. 594,577, published Sept. 18, 1951.
Paints in ready-mixed form, Oil base, and painters' materials. Preservative Products Company. 444,609, Dec. 4; Serial No. 505,516, published June 6, 1950.
Paints: Ready mixed, ready mixed paint primers and sealers; etc. Mautz Paint & Varnish Company. 551,426, Dec. 4; Serial No. 540,297, published Sept. 18, 1951.
Resins and resin solutions. Devoe & Raynolds Company, Inc. 551,580, Dec. 4; Serial No. 590,655, published Sept. 4, 1951.

CLASS 17

Cigarettes. Larus & Brother Company. 551,717, Dec. 4; Serial No. 605,363, published Sept. 4, 1951.
Cigars. The Federal Cigar Company, Inc. 551,639, Dec. 4; Serial No. 598,847, published Aug. 28, 1951.
Cigars. Gradias, Annis & Co., Inc. 551,686, Dec. 4; Serial No. 603,680, published Aug. 28, 1951.
Tobacco, Smoking. Larus & Brother Company. 551,604, Dec. 4; Serial No. 594,270, published Sept. 25, 1951.
Tobacco, Smoking. P. Lorillard Company. 551,719, Dec. 4; Serial No. 605,487, published Aug. 28, 1951.

CLASS 18

Anesthetic and antiseptic ear drops. Americaine, Inc. 551,601, Dec. 4; Serial No. 594,188, published July 31, 1951.
Germicides. Merriam and Company. 444,607, Dec. 4; Serial No. 497,186, published Sept. 17, 1946.
Laxative. Otis Clapp & Son, Inc. 290,226, renewed Dec. 22, 1951. O. G. Dec. 4.
Medical preparation. E. Bilhuber, Inc. 287,291, renewed Sept. 15, 1951. O. G. Dec. 4.
Medicinal compound. Ames Co. 312,335, Apr. 24, 1934. Republished Dec. 4.
Medicinal preparation. "Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G. 289,534, Dec. 1, 1931. Republished Dec. 4.
Medicinal preparation. Eli Lilly and Company. 551,462, Dec. 4; Serial No. 560,034, published Aug. 7, 1951.
Medicinal preparation. G. G. Ulmer. 289,653, renewed Dec. 1, 1951. O. G. Dec. 4.
Medicinal preparation. The Upjohn Company. 551,625, Dec. 4; Serial No. 597,182, published Mar. 27, 1951.
Medicinal preparations. Organon Inc. 551,593, Dec. 4; Serial No. 592,928, published Jan. 9, 1951.
Medicine, Liver. Chattanooga Medicine Co. 84,900, renewed Jan. 9, 1952. O. G. Dec. 4.
Medicines. Germania Tea Company. 285,647, renewed Aug. 4, 1951. O. G. Dec. 4.
Mineral supplement. H. Nagel. 551,417, Dec. 4; Serial No. 517,858, published Aug. 7, 1951.
Penicillin and sulfonamides. Wyeth Incorporated. 551,800, Dec. 4; Serial No. 609,020, published Aug. 14, 1951.
Pharmaceutical preparation. Harris Laboratories, Inc. 551,586, Dec. 4; Serial No. 591,420, published Jan. 9, 1951.
Pharmaceutical preparation. Mead Johnson & Company. 551,548, Dec. 4; Serial No. 586,419, published Aug. 7, 1951.
Preparation for the treatment of obesity. R. Starr. 551,421, Dec. 4; Serial No. 534,204, published Aug. 3, 1948.
Pure glucosides. Sandoz Chemical Works, Inc. 291,301, renewed Feb. 9, 1952. O. G. Dec. 4.
Saline cathartic. Looz, Inc. 551,474, Dec. 4; Serial No. 563,746, published Aug. 7, 1951.

CLASS 19

Bodies for garbage and refuse hauling trucks. Gar Wood Industries, Inc. 551,858, Dec. 4; Serial No. 609,591.
Brakes and equipment for brakes, and windshield wipers. Robert Bosch Aktiengesellschaft. 309,821, Jan. 30, 1934. New certificate. O. G. Dec. 4.
Mirrors, Outside rear-view. Yankee Metal Products Corp. 551,832, Dec. 4; Serial No. 535,110.

CLASS 21

Air circulators, Electric. Stedi-Flo Air Circulators, Inc. 551,785, Dec. 4; Serial No. 607,726, published Sept. 11, 1951.
Anode consisting of a bag filled principally with a magnesium alloy powder, for the prevention of corrosion in pipe lines. Apex Smelting Co. 547,151, Aug. 28, 1951. Corrected. O. G. Dec. 4.
Blankets, Electric. Glenwood Range Company. 551,812, Dec. 4; Serial No. 610,962, published Aug. 28, 1951.
Conduit fittings, Electrical. Crouse-Hinds Company. 551,811, Dec. 4; Serial No. 610,493, published Sept. 11, 1951.
Electric lighting and starting systems. Robert Bosch Aktiengesellschaft. 293,203, Apr. 12, 1932. New certificate. O. G. Dec. 4.
Electric sound reproducing apparatus. Lear, Incorporated. 551,657, Dec. 4; Serial No. 600,439, published Aug. 28, 1951.
Electric wires, and cables and terminals therefor. General Cable Corporation. 290,091, Dec. 22, 1931. Corrected. O. G. Dec. 4.
Electrical apparatus. Northern Metal Products Company. 551,803, Dec. 4; Serial No. 609,410, published Sept. 4, 1951.
Electrical apparatus. Ray Burner Company. 288,885, renewed Nov. 10, 1951. O. G. Dec. 4.
Engine-generator set, Gasoline-driven. D. W. Onan & Sons, Inc. 551,669, Dec. 4; Serial No. 602,161, published Aug. 14, 1951.
Floor surface treating machines, Electrically operated. Hillyard Chemical Company. 551,590, Dec. 4; Serial No. 591,928, published Sept. 11, 1951.
Friction tape. Van Cleef Bros., Inc. 551,661, Dec. 4; Serial No. 600,998, published Sept. 11, 1951.
Handles for electric irons, Plastic, plastic plates for electric switches, etc. Plastylite Corporation. 444,608, Dec. 4; Serial No. 503,326, published Sept. 4, 1951.
Lamps, Electric. M. E. Cartier. 551,635–6, Dec. 4; Serial Nos. 598,574–5, published Sept. 11, 1951.
Lamps, Electrical, and lamp shades. Phillip J. Greenspan, Inc. 551,634, Dec. 4; Serial No. 598,417, published Sept. 11, 1951.
Lanterns, Battery operated electric. Delta Electric Company. 551,532, Dec. 4; Serial No. 582,771, published Aug. 28, 1951.
Light sockets, Electric, fluorescent light sockets, etc. Reliance Devices Company, Inc. 400,745, Mar. 30, 1943. Republished Dec. 4.
Lightning discharge blocks. Cook Electric Company. 551,530, Dec. 4; Serial No. 582,279, published Aug. 28, 1951.
Magneto-electric and battery ignition systems. Robert Bosch Aktiengesellschaft. 304,917, July 18, 1933. New certificate. O. G. Dec. 4.
Magneto-electric ignition systems. Robert Bosch Aktiengesellschaft. 296,203, Aug. 2, 1932. New certificate. O. G. Dec. 4.
Mixing and mincing machines, Electrically powered culinary. Huwood Components Limited. 551,807, Dec. 4; Serial No. 609,861, published Sept. 4, 1951.
Motors, Electric. W. W. Grainger, Inc. 551,799, Dec. 4; Serial No. 608,756, published Aug. 28, 1951.

Motors, Electric, electric generators, circuit breakers, etc. Allis-Chalmers Manufacturing Company. 551,706, Dec. 4; Serial No. 604,947, published Sept. 11, 1951.
Plugs, Glow. Robert Bosch Gesellschaft mit beschrankter Haftung. 363,528, Dec. 27, 1938. New certificate. O. G. Dec. 4.
Receiving sets, Domestic radio. W. Boyd. 551,736, Dec. 4; Serial No. 606,120, published Sept. 11, 1951.
Record players, Electrical, television receiving sets, radio receiving sets, etc. Scrugga-Vandervoort-Barney, Inc. 551,618, Dec. 4; Serial No. 596,124, published Sept. 11, 1951.
Sadirons, Electrical. The Winsted Hardware Manufacturing Company. 551,640, Dec. 4; Serial No. 599,044, published Sept. 11, 1951.
Scrubbing and polishing machines, Electrically operated floor. Hillyard Chemical Company. 551,589, Dec. 4; Serial No. 591,927, published Sept. 11, 1951.
Shaped ceramic ferro magnetic materials. General Ceramics and Steatite Corporation. 551,564, Dec. 4; Serial No. 588,295, published Sept. 11, 1951.
Storage batteries, Electric. Yardney Electric Corp. 551,583, Dec. 4; Serial No. 590,964, published Sept. 11, 1951.
Terminals, Electric. Illinois Tool Works. 551,549, Dec. 4; Serial No. 586,487, published Sept. 11, 1951.
Transformers and electrical connectors. American Gas Accumulator Company. 551,813, Dec. 4; Serial No. 611,212, published Aug. 28, 1951.
Transmitters and receivers and parts therefor, Radio, coupled prime mover electric generator units, etc. The Robert Dollar Company. 551,815, Dec. 4; Serial No. 611,565, published Sept. 11, 1951.
Wires and cables, Electrical. Anaconda Wire and Cable Company. 551,763, Dec. 4; Serial No. 607,209, published Aug. 28, 1951.

CLASS 22

Fish bait, Pork rind. Lutz Pork Bait Co. 551,840, Dec. 4; Serial No. 573,430.
Game. M. J. Misko. 551,852, Dec. 4; Serial No. 599,252.
Kites. The Hi-Flier Manufacturing Company. 551,834–9, Dec. 4; Serial Nos. 552,457–62.

CLASS 23

Automatic mechanical sampler. Chicago Pump Company. 551,456, Dec. 4; Serial No. 557,903, published Aug. 21, 1951.
Automobile accessories and parts. Future Enterprises, Inc. 551,563, Dec. 4; Serial No. 588,133, published Aug. 21, 1951.
Bar tender's accessory. S. L. Gerson. 551,569, Dec. 4; Serial No. 589,310, published July 31, 1951.
Blast furnace cinder notch stoppers and clay guns, furnace charging machines, etc. Edgar E. Brosius Company Inc. 551,535, Dec. 4; Serial No. 583,326, published Aug. 28, 1951.
Chains, Saw, chain saw bars, saw bar handles, etc. Oregon Saw Chain Corporation. 551,859, Dec. 4; Serial No. 609,985.
Filling machines. Pneumatic Scale Corporation, Limited. 551,761, Dec. 4; Serial No. 607,093, published July 31, 1951.
Fire extinguishers, Hand operated, pressure operated, cartridge operated, and chemical reaction, portable and stationary. The Fyr-Fyter Company. 551,423, Dec. 4; Serial No. 538,394, published July 31, 1951.
Hoists. Central Ohio Steel Products Company. 551,802, Dec. 4; Serial No. 609,358, published Sept. 4, 1951.
Hosiery setting machines. Paramount Textile Machinery Co. 551,630, Dec. 4; Serial No. 598,202, published Sept. 4, 1951.
Hydraulic jacks. Hein-Werner Corporation. 551,488, Dec. 4; Serial No. 568,189, published Aug. 14, 1951.
Knives, Kitchen. J. J. Newberry Co. 551,844, Dec. 4; Serial No. 585,892.
Knives, Pocket. Colonial Knife Company, Inc. 551,801, Dec. 4; Serial No. 609,332, published Aug. 28, 1951.
Loom supplies. E. H. Jacobs Manufacturing Co., Inc. 551,447, Dec. 4; Serial No. 553,113, published Aug. 21, 1951.
Loom supplies. E. H. Jacobs Manufacturing Co., Inc. 551,455, Dec. 4; Serial No. 557,454, published Dec. 26, 1950.
Lubricators, Automatic air-line. Ingersoll-Rand Company. 551,752, Dec. 4; Serial No. 606,612, published Aug. 14, 1951.
Machines for molding or casting printing plates. Hammond Machinery Builders, Inc. 551,471, Dec. 4; Serial No. 563,467, published Aug. 7, 1951.
Material moving equipment. A. C. Anderson, Inc. 551,475, Dec. 4; Serial No. 563,771, published July 31, 1951.
Mechanical farm equipment. G & D Manufacturing Company. 551,472, Dec. 4; Serial No. 563,673, published Sept. 4, 1951.
Mufflers. Goerlich's. 551,617, Dec. 4; Serial No. 596,023, published Aug. 21, 1951.
Packaging machines and machines for pasting labels, etc. "Sapal" Société Anonyme des Plieuses Automatiques. 551,442, Dec. 4; Serial No. 551,317, published Aug. 21, 1951.
Pelletizers, Rubber, rubber plasticators, rubber-belt-making machines, etc. Farrel-Birmingham Company, Incorporated. 551,425, Dec. 4; Serial No. 538,898, published July 24, 1951.
Propulsion systems and apparatus for land, air, and water vehicles, etc. Scintilla Ltd. 551,637, Dec. 4; Serial No. 598,754, published Sept. 4, 1951.
Pumps, combined filters and pumps, etc. Alsop Engineering Corporation. 551,777, Dec. 4; Serial No. 607,474, published Aug. 7, 1951.
Pumps, Fuel supply, filters, governors, and parts of said goods. Robert Bosch Gesellschaft mit beschrankter Haftung. 363,529, Dec. 27, 1938. New certificate. O. G. Dec. 4.
Pumps, Hand operated rotary. William M. Wilson's Sons, Inc. 551,581, Dec. 4; Serial No. 590,724, published July 31, 1951.
Pumps, Power operated liquid. The Piqua Machine & Manufacturing Company. 551,632, Dec. 4; Serial No. 598,321, published Aug. 28, 1951.
Rock-drill bits, Detachable, concrete breaker tips, coal cutter tips, etc. G. Annesley. 551,846, Dec. 4; Serial No. 589,899.
Rubber surfaced metal bodied rolls. The Cincinnati Rubber Mfg. Co. 551,454, Dec. 4; Serial No. 557,261, published July 24, 1951.
Saws, Bench jig. Burgess Vibrocrafters, Inc. 551,702, Dec. 4; Serial No. 604,685, published Aug. 28, 1951.
Saws, Hand. American Saw & Manufacturing Company. 551,464, Dec. 4; Serial No. 560,434, published Aug. 21, 1951.
Screw drivers and vises. The Stanley Works. 551,449, Dec. 4; Serial No. 555,317, published Aug. 21, 1951.
Separators, Centrifugal gas and particle, and samplers. The Aerotec Corporation. 551,483, Dec. 4; Serial No. 567,227, published Sept. 4, 1951.
Sewing and stitching machines as well as spare parts. Máquinas de Coser Alfa Sociedad Anónima. 551,489, Dec. 4; Serial No. 568,437, published Sept. 4, 1951.
Sewing machines. Dave Fischbein Co. 551,539, Dec. 4; Serial No. 584,806, published July 31, 1951.
Shears and scissors. Cutlery Corporation of America. 551,699, Dec. 4; Serial No. 604,522, published Aug. 28, 1951.
Sprayers, Hand operated compression. H. D. Hudson Manufacturing Company. 551,542, Dec. 4; Serial No. 585,379, published Sept. 4, 1951.
Spraying and cleaning machines, Combined mechanical vapor pressure, and water vapor generators. Homestead Valve Manufacturing Company. 551,730, Dec. 4; Serial No. 605,901, published Aug. 28, 1951.
Stapling machines. Markwell Manufacturing Company, Inc. 551,565, Dec. 4; Serial No. 588,309, published July 24, 1951.
Trucks, Industrial lift. The Elwell-Parker Electric Company. 551,496, Dec. 4; Serial No. 572,028, published Sept. 4, 1951.
Typewriters. Paillard Products, Inc. 551,538, Dec. 4; Serial No. 584,691, published Sept. 11, 1951.
Vibrating screens and vibrating conveyers. Simplicity Engineering Company. 551,788, Dec. 4; Serial No. 607,905, published Aug. 28, 1951.

CLASS 25

Locks and latches. Von Duprin Fire Exit Latch Company. 85,021, re-renewed Jan. 16, 1952. O. G. Dec. 4.

CLASS 26

Cameras and lenses therefor, shutters, enlargers, etc. Olden Camera & Lens Company. 551,804, Dec. 4; Serial No. 609,414, published Aug. 14, 1951.
Cameras, film projecting and viewing apparatus, etc. Film 'N File, Inc. 551,626, Dec. 4; Serial No. 597,259, published Aug. 14, 1951.
Field glasses. Hadco Engineering Co. 551,568, Dec. 4; Serial No. 589,257, published Aug. 14, 1951.
Film viewers, Mechanically operated. Craftsmen's Guild. 551,520, Dec. 4; Serial No. 579,739, published Aug. 7, 1951.
Filters, Plastic, or sunshade filters. Filterzone Auto-Vision Co. 551,670–2, Dec. 4; Serial Nos. 602,389–91, published July 31, 1951.
Flash gun bracket. Nordic Manufacturing Company. 551,643, Dec. 4; Serial No. 599,188, published Aug. 14, 1951.
Gage, Combined valve and pressure. Oxo Welding Equipment Company. 551,600, Dec. 4; Serial No. 593,882, published July 24, 1951.
Gauges. F. W. Dwyer Mfg. Co. 551,645, Dec. 4; Serial No. 599,424, published Aug. 14, 1951.
Gauges, Gasoline. McGrath & Sons. 551,470, Dec. 4; Serial No. 563,353, published Aug. 14, 1951.
Geiger counting instruments. Service Diamond Tool Company. 551,588, Dec. 4; Serial No. 591,800, published Aug. 7, 1951.
Instrument which is a sound spectrograph which produces permanent visual records. Kay Electric Company. 551,688, Dec. 4; Serial No. 603,589, published Aug. 14, 1951.
Lenses, Spectacle. Modern Optics, Incorporated. 551,850, Dec. 4; Serial No. 594,979.

Levels, miter boxes, squares, etc. Sears, Roebuck and Co. 551,491, Dec. 4; Serial No. 570,655, published Aug. 14, 1951.
Liquid measures. Swing-Spout Measure Company. 551,427, Dec. 4; Serial No. 541,478, published Aug. 14, 1951.
Meters. Flowmeter Corporation of America. 551,478, Dec. 4; Serial No. 564,381, published Aug. 7, 1951.
Scales, Weighing. The Exact Weight Scale Company. 551,830, Dec. 4; Serial No. 528,778.
Spectacles, lenses, and frames. Medical Center Opticians. 551,674, Dec. 4; Serial No. 602,514, published Aug. 14, 1951.
Switches, Thermal-responsive. Fenwal Incorporated. 551,683, Dec. 4; Serial No. 602,937, published Aug. 14, 1951.
Thermometers, Temperature recording, thermostatic temperature regulators, etc. The Powers Regulator Company. 551,477, Dec. 4; Serial No. 564,263, published Aug. 14, 1951.
Time stamps. International Time Recording Company of New York. 286,770, renewed Sept. 1, 1951. O. G. Dec. 4.
Timers, Coin operated electric. Avco Manufacturing Corporation. 551,537, Dec. 4; Serial No. 583,731, published Aug. 14, 1951.

CLASS 27

Clocks. S. A. Reider & Co. 551,693, Dec. 4; Serial No. 603,813, published Aug. 7, 1951.
Watches. Montres Credos S. A. 551,721, Dec. 4; Serial No. 605,522, published Aug. 7, 1951.
Watches, clocks, watch and clock movements, etc. Tillmore Watch Company. 551,490, Dec. 4; Serial No. 570,015, published Aug. 16, 1949.
Watches, watch movements and watch cases. Elgin National Watch Company. 288,383, Oct. 27, 1931. Republished Dec. 4.

CLASS 28

Bracelets and watch bracelets and watch straps. Gemex Company. 551,722, Dec. 4; Serial No. 605,580, published Aug. 7, 1951.
Chains. J. F. Sturdy's Sons. 37,263, re-renewed [redacted] 1951. O. G. Dec. 4.
Earrings. M. Boucher. 551,715, Dec. 4; Serial [redacted] 605,293, published Aug. 7, 1951.
Hollowware. M. J. Andrade. 551,697, Dec. 4; Serial No. 604,468, published Aug. 7, 1951.
Jewelry. Illinois Watch Case Co. 551,714, Dec. 4; Serial No. 605,260, published Aug. 14, 1951.
Jewelry. Phyllis Originals, Inc. 551,616, Dec. 4; Serial No. 595,556, published Aug. 14, 1951.
Jewelry, Costume. The Richelieu Corporation. 551,598, Dec. 4; Serial No. 593,832, published Aug. 7, 1951.
Jewelry, Gold and platinum. Goldstein-Gerson Co. 551,713, Dec. 4; Serial No. 605,257, published Aug. 7, 1951.
Rings, Finger, bracelets, ornamental pins, brooches, etc. J. Braunstein, Inc. 551,551, Dec. 4; Serial No. 586,788, published Aug. 14, 1951.
Silver-ware. Reed & Barton. 551,782, Dec. 4; Serial No. 607,641, published Aug. 7, 1951.

CLASS 29

Brushes, Flat varnish, flat sash trim brushes, oval sash tool brushes, etc. Whiting-Adams Company, Inc. 551,648, Dec. 4; Serial No. 599,542, published Sept. 4, 1951.
Brushes, Paint. Hanlon & Goodman Co. 551,627, Dec. 4; Serial No. 597,273, published Sept. 4, 1951.
Brushes, Toilet, tooth brushes, and other personal brushes. Johnson & Johnson. 551,649, Dec. 4; Serial No. 599,569, published Sept. 4, 1951.
Brushes, Water color. Binney & Smith Company. 551,641, Dec. 4; Serial No. 599,150, published Sept. 4, 1951.
Cotton, cotton pads and gauze pads. Acme Cotton Products Co., Inc. 551,631, Dec. 4; Serial No. 598,232, published Sept. 4, 1951.
Shoe shining kits. G. D. Shallenberger. 551,712, Dec. 4; Serial No. 605,234, published Sept. 4, 1951.

CLASS 30

Cups, saucers, dishes. Hammond Research Corporation. 551,768, Dec. 4; Serial No. 607,327, published Aug. 7, 1951.
Dinnerware. W. Boyd. 551,737, Dec. 4; Serial No. 606,128, published Aug. 28, 1951.
Dish, Ceramic corn. J. Rosendahl. 551,552, Dec. 4; Serial No. 586,820, published Aug. 7, 1951.
Pottery salt and pepper sets, vases, etc. Wahpeton Pottery Company. 551,816, Dec. 4; Serial No. 611,667, published Aug. 28, 1951.

CLASS 31

Cooling systems. Croll-Reynolds Co. Inc. 551,527, Dec. 4; Serial No. 581,123, published Sept. 4, 1951.

CLASS 33

Flatglass, plateglass, sheet glass, etc. Aktiebolaget Orrefors Glasbruk. 551,786, Dec. 4; Serial No. 607,733, published Aug. 7, 1951.
Glass server, Individually served table. A. Sieminski. 551,436, Dec. 4; Serial No. 546,521, published Aug. 21, 1951.
Glasses, Drinking. McFall-Brodie Company. 551,605, Dec. 4; Serial No. 594,273, published Aug. 7, 1951.
Glasses, Drinking, and glass tumblers. W. Boyd. 551,738, Dec. 4; Serial No. 606,130, published Aug. 7, 1951.
Jars, Glass. H. J. Barnhard. 551,727, Dec. 4; Serial No. 605,709, published Aug. 28, 1951.
Jars, Glass, and covers therefor. Home Containers Corporation. 551,787, Dec. 4; Serial No. 607,816, published Aug. 28, 1951.

CLASS 34

Air conditioning plant and fans for ventilating. The Spooner Dryer & Engineering Company, Limited. 551,843, Dec. 4; Serial No. 581,459.
Burners, Gas. Bastian-Morley Co. 290,274, renewed Dec. 29, 1951. O. G. Dec. 4.
Combination air conditioning and heating systems. Iron Fireman Manufacturing Company. 551,841, Dec. 4; Serial No. 578,596.
Heaters, Gas water. Bastian-Morley Co. 288,071, renewed Oct. 20, 1951. O. G. Dec. 4.
Heating plants and warm air furnaces. Iron Fireman Manufacturing Company. 551,842, Dec. 4; Serial No. 578,597.
Heating system, Steam, vapor and hot water. Chaudières Bouillat. 551,851, Dec. 4; Serial No. 598,453.
Ranges, Gas, and parts thereof. Cribben and Sexton Company. 551,453, Dec. 4; Serial No. 556,731, published Aug. 7, 1951.
Ventilators, Window. F. E. Berry, Jr., & Co. Inc. 289,261, renewed Nov. 24, 1951. O. G. Dec. 4.

CLASS 35

Carbon and graphite packing rings and seal rings. National Carbon Company, Inc. 444,613, Dec. 4; Serial No. 525,927, published May 2, 1950.
Hose. United States Rubber Company. 551,710, Dec. 4; Serial No. 605,080, published Sept. 4, 1951.
Metallic machinery packings. Hound Packing Company. 296,921, Aug. 23, 1932. Republished Dec. 4.
[redacted]ubing, Flexible. The Flexible Tubing Corporation. 551,694, Dec. 4; Serial No. 603,842, published Aug. 21, 1951.

CLASS 36

Carrying cases for piano accordions. Don Noble & Company, Inc. 444,612, Dec. 4; Serial No. 521,358, published Sept. 11, 1951.
Musical instruments. Societe de Faconnage et de Commerce. 551,505, Dec. 4; Serial No. 573,814, published Sept. 11, 1951.
Musical instruments, Electrical. Hammond Instrument Company. 551,574, Dec. 4; Serial No. 590,155, published Sept. 18, 1951.
Phonograph records, Mechanically grooved. The Decca Record Company Limited. 551,446, Dec. 4; Serial No. 553,085, published Sept. 18, 1951.
Phonograph records, Mechanically grooved. 4 Star Record Company, Inc. 551,557, Dec. 4; Serial No. 587,721, published Sept. 18, 1951.
Phonograph records, Mechanically grooved. Synthetic Plastics Company. 551,514, Dec. 4; Serial No. 577,823, published Sept. 18, 1951.
Pianos. Conover-Cable Piano Co. 551,416, Dec. 4; Serial No. 502,271, published Sept. 18, 1951.
Pianos. Estey Piano Corp. 551,614, Dec. 4; Serial No. 594,959, published Sept. 18, 1951.
Pianos. Kranich & Bach. 551,510, Dec. 4; Serial No. 576,587, published Sept. 18, 1951.
Pianos, trumpets, saxophones, etc. The Rudolph Wurlitzer Company. 551,615, Dec. 4; Serial No. 595,434, published Sept. 18, 1951.

CLASS 37

Paper, Safety. George La Monte & Son. 551,431, Dec. 4; Serial No. 544,353, published May 30, 1950.

CLASS 38

Comic strips. The McNaught Syndicate, Inc. 287,349–50, renewed Sept. 22, 1951. O. G. Dec. 4.
Etchings, printed etchings, greeting cards, etc. Brown & Bigelow. 290,789, renewed Jan. 19, 1952. O. G. Dec. 4.
Periodicals, Weekly. Munn & Co., Inc. 84,333, renewed Nov. 28, 1951. O. G. Dec. 4.

CLASS 39

Apparel, Children's, boys', girls', misses', and women's. Oxford Boyswear, Inc. 551,750, Dec. 4; Serial No. 606,483, published Sept. 11, 1951.
Aprons, dresses, and smocks, Women's and children's. Smoler, Boris, & Sons, Inc. 551,493, Dec. 4; Serial No. 570,727, published Sept. 11, 1951.
Clothing, Men's. Eagle Clothes, Inc. 551,554, Dec. 4; Serial No. 587,147, published Aug. 28, 1951.
Corsets, girdles, brassières and foundation garments. Dominion Corset Company, Limited. 551,620, Dec. 4; Serial No. 596,374, published Sept. 11, 1951.
Dresses. The Gottfried Company. 551,473, Dec. 4; Serial No. 563,736, published Jan. 10, 1950.

Dresses, aprons and suits, Women's and misses'. Tabin-Picker & Co. 551,798, Dec. 4; Serial No. 608,439, published Sept. 11, 1951.
Dresses, Women's, misses' and girl's. Pam Paterson, Inc. 551,790, Dec. 4; Serial No. 608,015, published Sept. 11, 1951.
Gloves, Leather, fabric, and a combination of leather and fabric. Portland Glove Company. 551,792, Dec. 4; Serial No. 608,078, published Sept. 11, 1951.
Gloves, Plastic coated fabric working. A. Sarjanian. 551,518, Dec. 4; Serial No. 579,135, published Sept. 11, 1951.
Hats and caps, Women's and girls'. Goldstein Millinery Company. 352,964, Dec. 21, 1937. Republished Dec. 4, 1951.
Hats, Men's. Young's Merchandising Corporation. 551,479, Dec. 4; Serial No. 564,419, published Sept. 11, 1951.
Hosiery. Julius Kayser & Co. 289,096, renewed Nov. 17, 1951. O. G. Dec. 4.
Hosiery. Signature Hosiery Company, Inc. 290,145, Dec. 22, 1931. Republished Dec. 4.
Hosiery, Ladies'. Acclaim Hosiery Mills, Inc. 551,775, Dec. 4; Serial No. 607,408, published Sept. 4, 1951.
Hosiery, Ladies'. Knit Products Sales Company. 551,654, Dec. 4; Serial No. 600,172, published Sept. 4, 1951.
Hosiery, Women's. Rosedale Knitting Company. 551,774, Dec. 4; Serial No. 607,400, published Sept. 11, 1951.
Hosiery, Women's. The Roxborough Company. 551,784, Dec. 4; Serial No. 607,685, published Sept. 4, 1951.
Pants, Baby. Rand Rubber Company, Inc. 551,776, Dec. 4; Serial No. 607,452, published Sept. 4, 1951.
Shirts, Men's and boys' work. Salant & Salant, Inc. 551,747, Dec. 4; Serial No. 606,442, published Sept. 11, 1951.
Shoes, Men's, women's, boys', and girls'. The Coward Shoe, Inc. 551,486, Dec. 4; Serial No. 568,043, published Sept. 11, 1951.
Slips, nightgowns, and pajamas, etc., Ladies' and children's. Central Undergarment Inc. 551,485, Dec. 4; Serial No. 567,851, published Sept. 11, 1951.
Slips, nightgowns, pajamas, etc., Ladies' and children's princess. I. Schneierson & Sons, Inc. 551,459, Dec. 4; Serial No. 558,937, published Sept. 11, 1951.
Slips, nightgowns, petticoats, etc. Valmy Garment Company, Inc. 551,451, Dec. 4; Serial No. 555,853, published Sept. 11, 1951.
Socks. Cooper's, Incorporated. 551,509, Dec. 4; Serial No. 575,890, published Sept. 4, 1951.
Suits, coats, pants, etc., Men's and boys'. Haspel Brothers, Inc. 551,665, Dec. 4; Serial No. 601,545, published Sept. 4, 1951.
Suits, Men's and boys'. The Hecht Company. 551,445, Dec. 4; Serial No. 552,391, published Aug. 28, 1951.
Suits, overcoats, and topcoats, Men's and boys'. The Middishade Company, Inc. 289,744, renewed Dec. 1, 1951. O. G. Dec. 4.
Suits, topcoats, overcoats, etc., Men's. Federated Department Stores, Inc. 551,437, Dec. 4; Serial No. 547,287, published Sept. 4, 1951.
Suits, topcoats, overcoats, etc., Men's. Federated Department Stores, Inc. 551,438, Dec. 4; Serial No. 547,289, published Sept. 4, 1951.
Suits, under vests, and under pants, Women's and children's union. The William Carter Company. 551,796, Dec. 4; Serial No. 608,196, published Sept. 11, 1951.
Trousers. Day's Tailor-D Wear, Inc. 246,938, Sept. 18, 1928. Republished Dec. 4.

CLASS 40

Belting, Textile. Progressive Ribbon Co. 551,517, Dec. 4; Serial No. 578,412, published Sept. 4, 1951.
Boning or stays for brassières, corsets, and outer garments. Anchor Plastics Company, Inc. 551,638, Dec. 4; Serial No. 598,824, published July 17, 1951.
Braid, Decorative. Montabert Germaine and Company. 551,778, Dec. 4; Serial No. 607,545, published Aug. 7, 1951.
Buckles, Belt. Essex Metal Products Co. 551,746, Dec. 4; Serial No. 606,422, published Sept. 4, 1951.
Buttons. Red Star Button Co. Inc. 551,723–4, Dec. 4; Serial Nos. 605,606–7, published July 24, 1951.
Combs, Hard rubber. American Hard Rubber Company. 551,720, Dec. 4; Serial No. 605,505, published July 24, 1951.
Curlers, Non-electrical hair. M. F. Currie. 551,652, Dec. 4; Serial No. 600,122, published July 24, 1951.
Eyelets and lacing-hooks. S. O. & C. Co. 83,608, renewed Sept. 26, 1951. O. G. Dec. 4.
Insertions, edgings, and medallions, etc., Metallic embroidered. Hertz & Company, Inc. 551,646, Dec. 4; Serial No. 599,432, published July 17, 1951.
Needles, Sewing. Pioneer Merchandise Co. 551,765, Dec. 4; Serial No. 607,234, published Sept. 11, 1951.
Pins, Novelty lapel. The Harrison Company, Inc. 551,734, Dec. 4; Serial No. 606,016, published July 31, 1951.
Pins, Safety. Amex Merchandise Corp. 551,766, Dec. 4; Serial No. 607,242, published Aug. 7, 1951.
Ribbon retainers, Lingerie. A. L. B. Powers. 551,673, Dec. 4; Serial No. 602,420, published July 17, 1951.
Seam binding. Standard Ribbon Co. 551,769, Dec. 4; Serial No. 607,360, published Sept. 4, 1951.
Shoelaces, Cotton, rayon or nylon. Joyal and Van Dale Co. 551,759, Dec. 4; Serial No. 606,946, published Aug. 7, 1951.
Shoulder pads. Trio Novelty Mfg. Corp. 551,602, Dec. 4; Serial No. 594,237, published Aug. 21, 1951.
Synthetic floss-like fibers. H. Goodman & Sons, Inc. 551,749, Dec. 4; Serial No. 606,468, published Sept. 4, 1951.
Tape, Elastic, hook and eye tapes, etc. Salm & Israel. 551,599, Dec. 4; Serial No. 593,834, published Aug. 21, 1951.

CLASS 42

Bedspreads, blankets, comforters, etc. The emporium Capwell Company. 551,550, Dec. 4; Serial No. 586,745, published Sept. 11, 1951.
Broadcloth, Cotton. Riverside & Dan River Cotton Mills, Inc. 290,683–5, renewed Jan. 12, 1952. O. G. Dec. 4, 1951.
Cloths and stuffs. Rodier Tissages. 551,534, Dec. 4; Serial No. 583,292, published Sept. 11, 1951.
Covers, Pillow, blanket covers, and mattress covers. Goldwater Bros. 551,528, Dec. 4; Serial No. 581,591, published Sept. 11, 1951.
Fabrics. A. Robbin. 551,468, Dec. 4; Serial No. 561,945, published Sept. 11, 1951.
Fabrics. E. W. Twitchell, Incorporated. 551,561, Dec. 4; Serial No. 588,054, published Sept. 11, 1951.
Fabrics, Flocked textile. B. B. Chemical Co. 551,571, Dec. 4; Serial No. 589,497, published Sept. 11, 1951.
Fabrics, Textile. Union Trading Company, Ltd. 551,546, Dec. 4; Serial No. 586,374, published Sept. 11, 1951.
Fabrics, Textile. Union Trading Company, Ltd. 551,547, Dec. 4; Serial No. 586,381, published Sept. 11, 1951.
Fabrics, Upholstery and drapery. Meyer Wycombe Company. 551,587, Dec. 4; Serial No. 591,758, published Sept. 11, 1951.
Piece goods. J. & J. Crombie, Limited. 551,567, Dec. 4; Serial No. 588,746, published Sept. 11, 1951.
Piece goods. Herbert Manufacturing Co., Inc. 551,808, Dec. 4; Serial No. 610,065, published Aug. 28, 1951.
Rugs, Braided. G. R. Collins. 551,515, Dec. 4; Serial No. 578,194, published Aug. 28, 1951.
Rugs, Hand loomed cotton. G. R. Collins. 551,516, Dec. 4; Serial No. 578,195, published Aug. 28, 1951.
Rugs, Textile, and carpeting. Sears, Roebuck and Co. 551,526, Dec. 4; Serial No. 581,085, published Sept. 11, 1951.
Woolen goods, Woven. The Crock of Gold, Ltd. 551,469, Dec. 4; Serial No. 562,768, published Sept. 11, 1951.

CLASS 43

Yarns. Masurel Worsted Mills, Inc. 551,809, Dec. 4; Serial No. 610,374, published Sept. 11, 1951.

CLASS 44

Arch Supports. Kom-Fut Arch Support Co., Inc. 288,352, Oct. 27, 1931. Republished Dec. 4.
Artificial teeth. Universal Dental Company. 551,818, Dec. 4; Serial No. 614,181, published Aug. 28, 1951.
Atomizers. Screws and Instruments, Inc. 551,762, Dec. 4; Serial No. 607,100, published Aug. 28, 1951.
Cardiographs. Beck-Lee Corporation. 551,624, Dec. 4; Serial No. 596,826, published Aug. 28, 1951.
Catheters, Nasal, stomach tubes, rectal tubes, etc. Baxter Laboratories, Inc. 551,606, Dec. 4; Serial No. 594,352, published Sept. 4, 1951.
Dental burs. H. D. Justi & Son, Inc. 551,703, Dec. 4; Serial No. 604,724, published Aug. 7, 1951.
Dental display units. A. W. Richard. 551,575, Dec. 4; Serial No. 590,341, published Aug. 14, 1951.
Dental plate blanks. The L. D. Caulk Company. 551,678, Dec. 4; Serial No. 602,823, published Sept. 11, 1951.
Denture material, Acrylic resin. The L. D. Caulk Company. 551,679, Dec. 4; Serial No. 602,824, published Sept. 11, 1951.
Glass bottles for shipping and dispensing parental solutions. Cutter Laboratories. 551,531, Dec. 4; Serial No. 582,391, published Sept. 4, 1951.
Hearing aid devices. The Maico Company, Incorporated. 551,732, Dec. 4; Serial No. 605,962, published Aug. 28, 1951.
Heating pads, Electrical, for medical use. Electronic Medical Foundation. 551,611, Dec. 4; Serial No. 594,700, published Sept. 4, 1951.
Infant feeding bottles. Nursmatic Corporation. 551,744, Dec. 4; Serial No. 606,390, published Aug. 28, 1951.
Machine for massaging feet. H. J. Dorrance. 551,543, Dec. 4; Serial No. 585,517, published Sept. 4, 1951.
Plaster of Paris bandages, Hand-rolled. The Karmac Company. 551,704, Dec. 4; Serial No. 604,785, published Aug. 28, 1951.
Sponges employed by surgeons. A/S Ferrosan. 551,764, Dec. 4; Serial No. 607,212, published Sept. 11, 1951.
Surgical drapes. Minnesota Mining & Manufacturing Company. 551,728, Dec. 4; Serial No. 605,754, published Aug. 7, 1951.
Surgical gloves. The Pioneer Rubber Company. 551,781, Dec. 4; Serial No. 607,639, published Aug. 7, 1951.

CLASS 46

Alfalfa leaf meal. Dehydrated, and dehydrated alfalfa meal. California-Hawaiian Milling Company. 287,949, renewed Oct. 20, 1951. O. G. Dec. 4.

Bananas, Fresh. Banana Corporation. 551,480, Dec. 4; Serial No. 565,104, published Sept. 4, 1951.

Blend of sucrose and corn syrup. The Amalgamated Sugar Company. 551,783, Dec. 4; Serial No. 607,657, published Sept. 11, 1951.

Bread. Bell Bakeries, Inc. 551,481, Dec. 4; Serial No. 565,410, published Aug. 14, 1951.

Cake. Farm Crest Bakeries, Inc. 551,444, Dec. 4; Serial No. 551,965, published Aug. 14, 1951.

Candy. Barricini, Inc. 551,684, Dec. 4; Serial No. 603,331, published Aug. 7, 1951.

Candy. S. Cook. 551,767, Dec. 4; Serial No. 607,316, published Aug. 14, 1951.

Candy. Griggs, Cooper & Company. 551,570, Dec. 4; Serial No. 589,443, published Aug. 28, 1951.

Candy. The House of Bauer. 551,707, Dec. 4; Serial No. 604,969, published Aug. 28, 1951.

Candy. Margaret Penn Candy Company. 551,465, Dec. 4; Serial No. 580,566, published Aug. 28, 1951.

Canned and bottled crushed fruits, syrups, shelled nuts, etc. John Mulhern Co. 286,861, renewed Sept. 8, 1951. O. G. Dec. 4.

Canned bean sprouts, canned chop suey vegetables, canned chow mein noodles, etc. Min-Sun Trading Co. 551,415, Dec. 4; Serial No. 487,561, published Sept. 18, 1951.

Canned foods. S. Kahn's Sons, Inc. 551,500, Dec. 4; Serial No. 572,745, published Sept. 4, 1951.

Canned fruit juices. Societe Anonyme Coloniale Ernest Lambert & Cie. 551,419, Dec. 4; Serial No. 528,747, published Aug. 28, 1951.

Canned fruits and canned vegetables. Hunt Foods, Inc. 551,741, Dec. 4; Serial No. 606,299, published July 24, 1951.

Canned peas. Seeman Brothers, Inc. 551,831, Dec. 4; Serial No. 533,401.

Canned peas and canned peaches. Frank M. Wilson Company. 551,695, Dec. 4; Serial No. 604,055, published Aug. 28, 1951.

Canned tomatoes. Bercut-Richards Packing Co. 551,439, Dec. 4; Serial No. 547,421, published Mar. 13, 1951.

Canned tuna. Nawiliwili Canning Co., Ltd. 551,754, Dec. 4; Serial No. 606,672, published Aug. 7, 1951.

Canned vegetables. Lake County Cannery, Inc. 551,791, Dec. 4; Serial No. 608,072, published Sept. 18, 1951.

Canned vegetables. The Mississippi Valley Canning Co. 551,689, Dec. 4; Serial No. 603,696, published Aug. 28, 1951.

Canned vegetables. Parkview Markets, Inc. 551,621, Dec. 4; Serial No. 596,375, published Sept. 4, 1951.

Canned vegetables. Pharr Canning Co., Inc. 551,854, Dec. 4; Serial No. 601,943.

Cheese. Salem Commodities, Incorporated. 551,780, Dec. 4; Serial No. 607,606, published Aug. 21, 1951.

Cheese. Steve's Cheese Co. 551,597, Dec. 4; Serial No. 593,506, published Aug. 21, 1951.

Chemical composition used for bleaching and maturing flour. Sterwin Chemicals Inc. 551,726, Dec. 4; Serial No. 605,691, published July 31, 1951.

Chemical compositions—namely, compounds and preparations used in the manufacture of dry and liquid seasonings. Dodge & Olcott, Inc. 551,609, Dec. 4; Serial No. 594,633, published Aug. 28, 1951.

Chemical compounds suitable for the flavoring of food products, etc. Fritzsche Brothers, Inc. 295,077, June 14, 1932. Republished Dec. 4.

Corn starch, lard, pancake mix, etc. The Great Atlantic and Pacific Tea Company. 551,718, Dec. 4; Serial No. 605,478, published July 17, 1951.

Cotton seed meal. Delta Products Company. 551,559, Dec. 4; Serial No. 587,940, published Aug. 28, 1951.

Dehydrated grasses and clover. The Quaker Oats Company. 551,733, Dec. 4; Serial No. 605,970, published July 31, 1951.

Edible oils of vegetable origin. The W. B. Cassell Company. 551,676, Dec. 4; Serial No. 602,746, published July 24, 1951.

Feed and grain, Dairy and poultry. Southern Pacific Milling Company. 278,983, Jan. 6, 1931. Restricted. O. G. Dec. 4.

Feeds, Poultry, livestock feed, and dog feed. The Early & Daniel Company. 551,433, Dec. 4; Serial No. 545,730, published May 22, 1951.

Feeds, Poultry scratch. Carnation Company. 551,644, Dec. 4; Serial No. 599,367, published Aug. 28, 1951.

Feeds, Stock and poultry. Nutrena Mills, Inc. 378,020, May 21, 1940. Amended. O. G. Dec. 4.

Figs. Rosenberg Bros. & Co. 84,413, re-renewed Dec. 12, 1951. O. G. Dec. 4.

Food colors, cheese colors and food flavoring extracts. James B. Long & Company. 551,440, Dec. 4; Serial No. 550,050, published Aug. 28, 1951.

Food, Dog. County Canning Corp. 551,740, Dec. 4; Serial No. 606,275, published Aug. 14, 1951.

Food, Dog. Dixie Mills Company. 551,560, Dec. 4; Serial No. 588,010, published Aug. 28, 1951.

Food, Dog, and cat food. W. H. Smith. 551,658, Dec. 4; Serial No. 600,624, published Aug. 28, 1951.

Food flavoring products. S. B. Penick & Company. 551,725, Dec. 4; Serial No. 605,677, published Aug. 21, 1951.

Food flavors, Natural, synthetic and imitation. Firmenich & Co. 551,603, Dec. 4; Serial No. 594,259, published Aug. 7, 1951.

Food sauce. Vincent Losito & Sons. 551,607, Dec. 4; Serial No. 594,480, published Aug. 21, 1951.

Foods, Preserved. J. A. Forsberg. 551,430, Dec. 4; Serial No. 543,588, published Aug. 7, 1951.

Fruits and juices, Fresh and canned citrus. Florida Citrus Exchange. 296,708, Aug. 16, 1932. Republished Dec. 4.

Fruits, Dried. California Prune and Apricot Growers Association. 551,743, Dec. 4; Serial No. 606,367, published Aug. 28, 1951.

Fruits, Fresh citrus. Frances Citrus Association. 551,650, Dec. 4; Serial No. 599,756, published Aug. 14, 1951.

Fruits, Fresh citrus. Upland Lemon Growers Association. 551,503, Dec. 4; Serial No. 573,344, published Apr. 25, 1950.

Fruits, Fresh citrus. Yuma Mesa Fruit Growers Association. 551,452, Dec. 4; Serial No. 555,855, published Aug. 28, 1951.

Fruits, Fresh citrus, fresh deciduous fruits, fresh vegetables, etc. Palm Terrace Fruit Company. 551,691, Dec. 4; Serial No. 603,745, published Aug. 28, 1951.

Grapes, Fresh. R. C. Walter & Sons. 551,716, Dec. 4; Serial No. 605,338, published July 17, 1951.

Ice cream. Foremost Dairies, Inc. 543,383-4, June 5, 1951. Corrected. O. G. Dec. 4.

Lard. Kingan & Co. Incorporated. 551,448, Dec. 4; Serial No. 553,780, published June 19, 1951.

Lemons. California Fruit Growers Exchange. 85,069, re-renewed Jan. 30, 1952. O. G. Dec. 4.

Macaroni. Chicago Macaroni Co. 288,333, renewed Oct. 27, 1951. O. G. Dec. 4.

Milk drink, Flavored malted. Avoset Company. 551,434, Dec. 4; Serial No. 545,940, published Aug. 21, 1951.

Milk, Homogenized, concentrated, skimmed. The Isaly Dairy Company. 551,708, Dec. 4; Serial No. 604,971, published Aug. 28, 1951.

Molasses. Boston Molasses Co. 81,498, Apr. 18, 1911. Republished Dec. 4.

Onions, Fresh, and fresh mixed vegetables. Cirulli Brothers. 551,487, Dec. 4; Serial No. 568,145, published Aug. 28, 1951.

Packages containing candy and a toy. Comics Novelty Candy Corp. 551,793, Dec. 4; Serial No. 608,105, published Sept. 18, 1951.

Poultry and fish, Seasoned and cooked, croutons, bread, and toasts, etc. Duchess, Inc. 551,418, Dec. 4; Serial No. 527,077, published Aug. 7, 1951.

Preparation in powder form to be added to other ingredients in the preparations of icings, toppings, and the like. Virginia Dare Extract Company, Inc. 286,104, renewed Aug. 8, 1951. O. G. Dec. 4.

Salt brick. Morton Salt Company. 551,422, Dec. 4; Serial No. 537,812, published Sept. 11, 1951.

Syrup, Chocolate flavored. Henry and Henry, Inc. 551,428, Dec. 4; Serial No. 541,674, published Aug. 21, 1951.

Vegetable protein food. Worthington Foods, Inc. 551,753, Dec. 4; Serial No. 606,645, published Aug. 28, 1951.

Vegetable shortening. Oscar Mayer & Co., Inc. 551,651, Dec. 4; Serial No. 599,891, published Sept. 18, 1951.

Wheat-flour. Montana Flour Mills Co. 84,847-8, re-renewed Jan. 9, 1952. O. G. Dec. 4.

CLASS 50

Metal pads. Formfit Metal Shoulder Pad Co. 551,857, Dec. 4; Serial No. 604,060.

CLASS 51

Astringent deodorant powder. Morton Manufacturing Corporation. 290,034, renewed Dec. 22, 1951. O. G. Dec. 4.

Dentifrice. The Andrew Jergens Company. 551,553, Dec. 4; Serial No. 586,862, published Aug. 7, 1951.

Depilatory cream. Helena Rubinstein, Inc. 551,523, Dec. 4; Serial No. 580,263, published Aug. 28, 1951.

Hair co'or restorer. N. Hurwitz. 283,551, renewed June 2, 1951. O. G. Dec. 4.

Hair wave setting preparation, face powders, personal deodorants, etc. York Pharmacal Company. 551,506, Dec. 4; Serial No. 573,858, published Aug. 7, 1951.

Lipstick. Lucky Strike Perfumeries Corporation. 551,628, Dec. 4; Serial No. 597,448, published July 31, 1951.

Lipstick and rouge. Consolidated Cosmetics. 551,700, Dec. 4; Serial No. 604,622, published July 31, 1951.

Lipstick and rouge. Consolidated Cosmetics. 551,701, Dec. 4; Serial No. 604,624, published July 31, 1951.

Lotion, Liquid cream. S. Mitchell. 551,647, Dec. 4; Serial No. 599,446, published July 31, 1951.

Make-up, Hand cream. Lady Esther, Ltd. 551,642, Dec. 4; Serial No. 599,181, published Aug. 28, 1951.

Perfumery and toilet preparations. Societe Cadolle Freres. 285,734, renewed Aug. 4, 1951. O. G. Dec. 4.

Perfumes. I. F. Craft. 551,579, Dec. 4; Serial No. 590,648, published Aug. 14, 1951.

Preparation for application as a coating over applied lipstick. Lip-Tex, Inc. 551,696, Dec. 4; Serial No. 604,441, published July 31, 1951.

Rouge, face cream, hair lotion, etc. E. Schueller. 551,629, Dec. 4; Serial No. 597,933, published Aug. 28, 1951.

Soap, Shaving, and shaving sticks. Colgate-Palmolive-Peet Company. 289,621, renewed Dec. 1, 1951. O. G. Dec. 4.

Toilet water. Lanman & Kemp-Barclay & Co. 551,833, Dec. 4; Serial No. 547,007.

CLASS 52

Cleaning liquid. The Rush Products Co. 551,525, Dec. 4; Serial No. 580,751, published July 25, 1950.

Detergent. Alrose Chemical Company. 551,585, Dec. 4; Serial No. 591,137, published Sept. 4, 1951.

Detergents, Synthetic. Ferro Chemical Corporation. 551,584, Dec. 4; Serial No. 591,077, published Sept. 11, 1951.

Dry cleaning compound. R. R. Street & Co. 551,429, Dec. 4; Serial No. 543,235, published Sept. 11, 1951.

Preparation in liquid form for cleaning burrs, drills, mounted stones, etc. O. S. Cumback. 551,582, Dec. 4; Serial No. 590,808, published Sept. 4, 1951.

Shampoo, Liquid. Huntington Laboratories, Inc. 289,726, renewed Dec. 1, 1951. O. G. Dec. 4.

Soap. Fitzpatrick Bros. Inc. 289,700, renewed Dec. 1, 1951. O. G. Dec. 4.

Soap. J. A. Haddad. 551,660, Dec. 4; Serial No. 600,828, published Aug. 14, 1951.

Soap, Toilet. Colgate-Palmolive-Peet Company. 289,694, renewed Dec. 1, 1951. O. G. Dec. 4.

Soap, Toilet. The Hewitt Soap Company, Inc. 551,443, Dec. 4; Serial No. 551,560, published Sept. 4, 1951.

Washing and cleaning compound. Wyandotte Chemicals Corporation. 551,555, Dec. 4; Serial No. 587,415, published Aug. 14, 1951.

Water softening, detergent, deodorizing, and sanitizing compound. Diaperwite, Inc. 551,664, Dec. 4; Serial No. 601,523, published Aug. 21, 1951.

CLASS 100

Engineering research, testing, and inspection services. E. M. De Noon. 551,862, Dec. 4; Serial No. 595,877.

Exploring and discovering, gathering, compiling, and disseminating information about parts of the earth and its life. Sirra Club. 551,829, Dec. 4; Serial No. 598,612, published Sept. 4, 1951.

CLASS 101

Advertising and entertainment services. Jefferson Standard Broadcasting Company. 551,821, Dec. 4; Serial No. 556,893, published Sept. 11, 1951.

CLASS 102

Underwriting fire, marine, and casualty insurance. Glens Falls Insurance Company. 551,822, Dec. 4; Serial No. 567,739, published Sept. 11, 1951.

Underwriting of hospitalization and health and accident insurance. Graphic Arts Disability Plan, Inc. 551,827, Dec. 4; Serial No. 588,798, published Sept. 11, 1951.

CLASS 103

Designing, installing, maintaining, etc., refrigerating and air conditioning apparatus. Temperature Engineers Inc. 551,861, Dec. 4; Serial No. 548,880.

Repair, maintenance, and overhaul of aircraft and aircraft engines, and components thereof. Pacific Airmotive Corporation. 551,825, Dec. 4; Serial No. 586,059, published Sept. 11, 1951.

CLASS 104

Broadcasting services, Radio program. Columbia Broadcasting System, Inc. 551,819, Dec. 4; Serial No. 549,888, published Sept. 11, 1951.

Broadcasting services, Radio program. Columbia Broadcasting System, Inc. 551,820, Dec. 4; Serial No. 549,894, published Sept. 11, 1951.

CLASS 107

Entertainment service. J. Strausberg. 551,828, Dec. 4; Serial No. 588,906, published Sept. 11, 1951.

Entertainment services. B. F. Tillstrom. 551,824, Dec. 4; Serial No. 579,231, published Sept. 11, 1951.

Lecturing on experiences, places, and events of interest. World Adventure Series, Incorporated. 551,826, Dec. 4; Serial No. 586,830, published Sept. 11, 1951.

The promotion of interest, appreciation, and understanding of orchestral instruments and music. The National Orchestral Association, Inc. 551,823, Dec. 4; Serial No. 575,366, published Sept. 4, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bakst, Aaron, Flushing, and S. L. Ruskin, New York, N. Y. Cigar and cigarette lighter. Re. 23,435, Dec. 4.

Farkas, Eugene J., Laguna Beach, Calif., assignor to Ford Motor Company, Dearborn, Mich. Automatic transmission. Re. 23,436, Dec. 4.

Ford Motor Company, assignee: *See*—
Farkas, Eugene J.

Mercier, Jean, New York, N. Y. Oleopneumatic device. Re. 23,437, Dec. 4.

Ruskin, Simon L.: *See*—
Bakst, Aaron, and Ruskin.

Ryland, Lloyd B., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Preparation of silica-alumina cracking catalyst. Re. 23,438, Dec. 4.

Shell Development Company, assignee: *See*—
Ryland, Lloyd B.

LIST OF PLANT PATENTEES

Grillo, Nicholas, Milldale, Conn. Hybrid tea rose plant. 1,049, Dec. 4.

LIST OF DESIGN PATENTEES

Adams, Harriet E., San Antonio, Tex. Textile fabric. 165,317, Dec. 4.

Anheuser, Alfred E., West Allis, Wis. Housing for knife sharpeners. 165,318, Dec. 4.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Jones, Thomas H.

Arrow Manufacturing Company, Incorporated, assignee: *See*—
Weill, Milton.

Bailey Meter Company, assignee: *See*—
Wood, Kenneth A.
Wood, Kenneth A., and Panich.

Barofsky, Jack, Los Angeles, Calif. Combined television, radio, and phonograph cabinet or similar article. 165,319, Dec. 4.

Bausch & Lomb Optical Company, assignee: *See*—
Stegeman, Raymond F. E.

Beyerstedt, Ralph L., assignor to The Frank G. Hough Co., Libertyville, Ill. Earth moving vehicle. 165,320, Dec. 4.

Bonvicini, Ernest, Denver, Colo. Accordion. 165,321, Dec. 4.

Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Stenographer's chair. 165,322, Dec. 4.

Chambers Corporation, assignee: *See*—
Williams, Willis E.

Chaplin, Charles J., assignor to Chaplin Corporation, South Portland, Maine. Carton. 165,323, Dec. 4.

Chaplin Corporation, assignee: *See*—
Chaplin, Charles J.

Chase, Herbert S., New York, N. Y. Combined wallet and calendar. 165,324, Dec. 4.

Columbus Plastic Products, Inc., assignee: *See*—
Roop, Nathan W.

Cooper, John S., Pensacola, Fla. Drinking glass. 165,325, Dec. 4.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cross, Kenneth M., Monrovia, assignor to Cross Lighting Company, Los Angeles, Calif. Lighting fixture. 165,326, Dec. 4.

Cross Lighting Company, assignee: *See*—
Cross, Kenneth M.

Crotty, Annabelle P., Arlington, Va. Textile fabric or the like. 165,327, Dec. 4.

Davis, Edward M., Brooklyn, N. Y. Display stand for handbag holders. 165,328, Dec. 4.

Deena Products Co., assignee: *See*—
Raichel, Thomas.

Dennerlein, William H.: *See*—
Schladermundt, Peter, and Dennerlein.

Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Handle bail for a suction cleaner or similar article. 165,329, Dec. 4.

Farber, Alfred: *See*—
Schieder, Karl, and Farber.

Fleisig, Charles, New York, N. Y. Head and back rest for chairs and beaches, with flaps. 165,330, Dec. 4.

Ford, Walter B., II, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper attachment or similar article. 165,331, Dec. 4.

Gillette Safety Razor Company, assignee: *See*—
Schladermundt, Peter, and Dennerlein.

Harris, D. P., Hardware & Manufacturing Co., Inc., assignee: *See*—
Parton, Charles H.

Heyer, Arthur J., Oak Park, and F. K. Moore, assignors to The Heyer Corporation, Chicago, Ill. Portable duplicator. 165,332, Dec. 4.

Heyer Corporation, The, assignee: *See*—
Heyer, Arthur J., and Moore.

Hoover Company, The, assignee: *See*—
Dreyfuss, Henry.

Houdaille-Hershey Corporation, assignee: *See*—
Ford, Walter B., II.

Hough, Frank G., Co., The, assignee: *See*—
Beyerstedt, Ralph L.

Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Trophy cup or similar article. 165,333, Dec. 4.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 165,334, Dec. 4.

Kilbury, Paul D., Hawthorne, Calif. Circulating heater. 165,335, Dec. 4.

Kinkade, Thomas H., Williamsport, Pa. Ash tray. 165,336, Dec. 4.

Mariani, Frank N., New York, N. Y. Table lighter or similar article. 165,337, Dec. 4.

McNutt, Clara E., Toledo, Ohio. Thread picking and seam ripping implement. 165,338, Dec. 4.

Miran, Julius, Bronx, N. Y. Stocking. 165,339, Dec. 4.

Mitchell Manufacturing Company, assignee: *See*—
Zucker, Armand S.

Moore, Francis K.: *See*—
Heyer, Arthur J., and Moore.

Owen, George W., Columbia, S. C. Toy figure. 165,340, Dec. 4.

Panich, Michael: *See*—
Wood, Kenneth A., and Panich.

Parton, Charles H., Ossining, assignor to D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y. Roller skate. 165,341, Dec. 4.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 165,342, Dec. 4.

Raichel, Thomas, assignor to Deena Products Co., Chicago, Ill. Lamp. 165,343, Dec. 4.

Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Pitcher or similar article. 165,344, Dec. 4.

Schieder, Karl, Nurnburg-W, Germany, and A. Farber, New York, N. Y. Table lighter. 165,345, Dec. 4.

Schladermundt, Peter, Bronxville, and W. H. Dennerlein, Whitestone, N. Y., assignors to Gillette Safety Razor Company, Boston, Mass. Safety razor set case. 165,346, Dec. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aasland, John L.: *See*—
Karlsson, Elof K., and Aasland.

Abbott Laboratories, assignee: *See*—
Naidu, Pagadam N. E., and Murphy.

Abbott, Thomas A., La Grange, and J. B. McMahon, Wilmette, Ill., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Electric positioning-proportional floating control. 2,577,696, Dec. 4.

Aben, Clarence R., River Rouge, Mich. Reciprocating brush device for cleaning soles of shoes. 2,577,294, Dec. 4.

Acme Steel Company, assignee: *See*—
Chester, Allan E., Main, and Hansen.
Main, Ray F., and Hansen.

Adams, Clarence H., and G. H. Pratt, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Work handling and tooling mechanism. 2,577,442, Dec. 4.

Adams, Edward E., Washington, D. C. Multicompartment traveling bag. 2,577,670, Dec. 4.

Adams, James W., Seymour, Conn., assignor to United States Rubber Company, New York, N. Y. Coagulation of synthetic rubber latices. 2,576,909, Dec. 4.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Garibaldi, John A., Ijichi, Lewis and McGinnis.
Lowe, Edison, and Swenson.

Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for separating pulverulent material. 2,577,295, Dec. 4.

Akers, Irving W., Hollywood, Calif., assignor to Hycon Mfg. Company. Intermittent transport mechanism for photographic film and the like. 2,577,175, Dec. 4.

Aktiebolaget Gotaverken, assignee: *See*—
Edvinson, Anders G., and Danielsson.

Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Meuller, Karl H., and Törnebohm.
Palmgren, Nils A.

Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Registering impressions in multiunit sheet printing machines. 2,577,099, Dec. 4.

Alexander, Johan W., and B. J. Wesselink, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio beacon system. 2,577,443, Dec. 4.

Allen, John W.: *See*—
Wiggins, John H., and Allen.

Alles, John J., Wilkes-Barre, Pa. Synchronous controller. 2,577,296, Dec. 4.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Chipman, John F.
Serota, Rudolph M.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Hydraulic scale. 2,577,100, Dec. 4.

Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.

American Can Company, assignee: *See*—
Jakob, John P.

American Cyanamid Company, assignee: *See*—
Bernstein, Seymour and Sax.
Clapp, James W., and Roblin.
Jayne, David W., Jr., and Day.
Lane, Leslie C.
Roth, Barbara.

American Muffler Co., assignee: *See*—
Moore, Harvey G.

American Optical Company, assignee: *See*—
Conley, Thomas A.
Eves, Joseph R.
Mahler, Joseph.
Pincus, Alexis G.

American Potash & Chemical Corporation, assignee: *See*—
Waterman, Herbert.

American Viscose Corporation, assignee: *See*—
Heffelfinger, Robert D.

American Well Works, The, assignee: *See*—
Walker, James D.

Amos, James L., assignor to The Dow Chemical Company, Midland, Mich. Making cellular thermoplastic products. 2,576,911, Dec. 4.

Anaconda Wire and Cable Company, assignee: *See*—
Witthoft, Herbert C.

Anderson, James A., Jr.: *See*—
Wadley, Edward F., and Anderson.

Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Air drier. 2,577,176, Dec. 4.

Anderson, Roger, Seattle, Wash. Surgical table. 2,577,177, Dec. 4.

Anderson, Wilmer C., Douglaston, N. Y., assignor to the United States of America as represented by the Secretary of War. Pulse measuring device. 2,577,499, Dec. 4.

Annan, R. Green, assignee: *See*—
Walters, Harry W.

Anthony, Earle C., Inc., assignee: *See*—
Johnson, Wayne R.

Antranikian, Haig, Lakewood, N. J. Signaling system. 2,577,297, Dec. 4.

Applegate, Earl C., Chicago, Ill. Sanding and buffing tool. 2,577,498, Dec. 4.

Arant, Perry, assignor to Clayton Manufacturing Company, Alhambra, Calif. Steam generating apparatus. 2,576,988, Dec. 4.

Arenberg, David L., Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Absorbing means for delay lines. 2,577,500, Dec. 4.

Arma Corporation, assignee: *See*—
Davis, Arthur P.

Armistead, Charles W., Shreveport, La. Opera glasses with film strip mounted thereon. 2,576,989, Dec. 4.

Armstrong Cork Company, assignee: *See*—
Benner, Joseph A.

Armstrong, John E., El Cerrito, and F. Jacuzzi, Berkeley, Calif., assignors to Jacuzzi Bros., Incorporated. Submersible pump assembly. 2,577,559, Dec. 4.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Ercolino, Michael.
Kennedy, Edward P.

Arnold, Archie T.: *See*—
Roebuck, Alvah C., Jr., and Arnold.

Arnold, William A., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Pressure measuring device. 2,577,066, Dec. 4.

Aronson, Alexander H.: *See*—
Harris, Alexander, Aronson, and Burchett.

Arthur, Richard P., Des Plaines, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Crossbar switch. 2,577,067, Dec. 4.

Ashcroft, Donald G., Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Electric igniter for use in electric initiating devices. 2,577,501, Dec. 4.

Ashdowne, James S., assignor to Joseph Buegeleisen Co., Inc., Detroit, Mich. Saddle bag mounting for motorcycles. 2,577,560, Dec. 4.

Askania Regulator Company, assignee: *See*—
Houk, Warren E.

Assmundsson, Axel T., Goteborg, Sweden. Grocery cupboard. 2,577,396, Dec. 4.

Åström, Johan, Nyhamn, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Rotatable hollow-head debarker mounting flexible bark-removing elements. 2,576,912, Dec. 4.

Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.

Atwater, Leon W., Williamston, Mich. Combination armrest and heat shield. 2,577,561, Dec. 4.

Automatic Electric Laboratories Inc., assignee: *See*—
Hadfield, Bertram M.
Lomax, Clerance E.

Automatic Machinery Company, assignee: *See*—
Matthews, Louis L.

Avco Manufacturing Corporation, assignee: *See*—
Reid, John D.

B. B. Chemical Co., assignee: *See*—
Hyde, Benjamin D.

Babcock & Wilcox Company, The, assignee: *See*—
Grossman, Paul R., and Shannon.

Baggott, Edmund W., New York, N. Y., assignor to Ideal Toy Corporation. Toy vehicle with demountable body. 2,576,990, Dec. 4.

Bailey, Edna E., Mount Morris, Mich. Portable garment hanger. 2,577,397, Dec. 4.

Bailey Meter Company, assignee: *See*—
Johnson, Clarence.

Schletter, Richard E., Cheltenham Township, Montgomery County, assignor to Signature Hosiery Company, North Wales, Pa. Lady's stocking. 165,347, Dec. 4.
Schletter, Richard E., Cheltenham Township, Montgomery County, assignor to Signature Hosiery Company, North Wales, Pa. Lady's stocking. 165,348, Dec. 4.
Shaw-Walker Company, The, assignee: *See*—
Burdick, John S.
Signature Hosiery Company, assignee: *See*—
Schletter, Richard E.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle front. 165,349, Dec. 4.
Trifari, Krusaman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Weill, Milton, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J. Watch and jewel chest. 165,350, Dec. 4.
Williams, Willis E., Shelbyville, Ind., assignor to Chambers Corporation. Thumb latch key for a gas safety valve. 165,351, Dec. 4.
Wood, Kenneth A., South Euclid, Ohio, assignor to Bailey Meter Company. Control instrument. 165,352, Dec. 4.
Wood, Kenneth A., South Euclid, and M. Panich, Willoughby, Ohio, assignors to Bailey Meter Company. Control instrument. 165,353, Dec. 4.
Zucker, Armand S., assignor to Mitchell Manufacturing Company, Chicago, Ill. Combination radio and clock. 165,354, Dec. 4.

Bainbridge, Kenneth T., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Directional radar system. 2,577,502, Dec. 4.
Bainbridge, Marvin, Kahului, W. P. Tuttle and H. J Baldwin, Paia, and E. S. Sheffield, Jr., Kahului, assignors to Maui Pineapple Company, Limited, Paia, Hawaii. Apparatus for harvesting pineapples. 2,576,991, Dec. 4.
Bainbridge, Marvin, Kahului, W. P. Tuttle and H. J. Baldwin, Paia, and E. S. Sheffield, Jr., Kahului, assignors to Maui Pineapple Company, Ltd., Paia, Hawaii. Harvesting machine. 2,576,992, Dec 4.
Baird, William, and G. P. Crowley, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Detergent compositions. 2,576,913, Dec. 4.
Baird, William, E. G. Parry, and T. E. Thompson, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Detergent composition. 2,577,503, Dec. 4.
Baker & Co., Inc., assignee: *See*—
Waller, Milton M.
Baker Oil Tools, Inc., assignee: *See*—
Baker, Reuben C.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well packer. 2,577,068, Dec. 4.
Baker, William R.: *See*—
Kerns, Quentin A., and Baker.
Baldwin, Henry J.: *See*—
Bainbridge, Marvin, Tuttle, Baldwin, and Sheffield.
Ball, Alpheus M., Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Flashless powder sheet. 2,577,298, Dec. 4.
Ball, Eustace T., Fanwood, J. G. Ferguson, Rutherford, and J. E. Greene, Basking Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switchboard. 2,577,101, Dec. 4.
Barber, Haroid D., Shaker Heights, Ohio. Load retainer. 2,577,504, Dec. 4.
Barnes, Frank, assignee: *See*—
McEwen, Floyd L.
Barrett, Gerald R., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Coated papers and methods and compositions for preparing same. 2,576,914, Dec. 4.
Barrett, Gerald R., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Sizing yarns and composition therefor. 2,576,915, Dec. 4.
Barrett, Gerald R., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of di-tertiary butyl quinone. 2,577,505, Dec. 4.
Barrett, John L., Bloomfield Hills, assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Linear structural member. 2,577,671, Dec. 4.
Barry, Leon G., Whippany, assignor to United States Instrument Corporation, Summit, N. J. Rotary switch. 2,577,225, Dec. 4.
Bartlett, Kenneth M., Cleveland, Ohio, assignor to Thompson Products, Inc. Apparatus for anodically treating internal surfaces. 2,577,644, Dec. 4.
Bartram, Carl M., Chico, Calif. Window burglar alarm. 2,577,224, Dec. 4.
Basic Vegetable Products Co., assignee: *See*—
Magnuson, Roy M.
Batcher, Ralph R.: *See*—
Schultz, Mortimer L., Pacent, and Batcher.
Baur, John W.: *See*—
Gustafsson, Eric, Baur, and Kern.
Bausch & Lomb Optical Company, assignee: *See*—
Stegeman, Raymond F. E.
Baxter, David, Fort Wayne, Ind. Instrument for cultivation of voice. 2,577,562, Dec. 4.
Beals, Malcolm D., Plainfield, and L. R. Blair, New Brunswick, N. J., assignors to National Lead Company, New York, N. Y. Frit compositions for vitreous enamels. 2,576,916, Dec. 4.
Belak, John J., Youngstown, assignor of one-half to T. M. Szemborn, Campbell, Ohio. Electrically heated fountain stylus. 2,577,721, Dec. 4.
Beichetz, Arnold, Larchmont, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Preparation of hydrogen-carbon oxide mixtures and catalytic reaction thereof. 2,577,563, Dec. 4.
Bell, Alfred B., Philadelphia, Pa. Collapsible bracket or support. 2,577,399, Dec. 4.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Ball, Eustace T., Ferguson, and Greene.
Burton, Everett T.
Coyne, Howard L., Fessler, Hampton, Mesch, and Thompson.
Dimond, Thomas L., and Wingardner.
Fritschi, Walter W., and Lucek.
Kock, Winston E.
Low, Frank K.
Oliver, Bernard M.
Potter, James A.
Belleville, Logan M., Watertown, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Amplifier. 2,577,506, Dec. 4.
Bellinger, Kenneth P., Wilbraham, Mass. Bed covering. 2,577,178, Dec. 4.
Bemis Bro. Bag Company, assignee: *See*—
Geimer, William J., and Linda.
Bemmels, Cyrus W.: *See*—
Pike, Charles O., and Bemmels.
Benbow, Burtis W. and R. S., Benbow, Calif. Wire tightening device. 2,577,299, Dec. 4.
Benbow, Burtis W. and R. S., assignors to Benbow Fence Tightener Co., Benbow, Calif. Wire tightening tool. 2,577,300, Dec. 4.
Benbow, Burtis W. and R. S., assignors to Benbow Fence Tightener Co., Benbow, Calif. Wire tightening device. 2,577,301, Dec. 4.
Benbow Fence Tightener Co., assignee: *See*—
Benbow, Burtis W. and R S.
Benbow, Robert S.: *See*—
Benbow, Burtis W. and R S.
Bendix Aviation Corporation, assignee: *See*—
Stamper, Hamilton A.
Uline, William A.
Benner, Joseph A., assignor to Armstrong Cork Company, Lancaster, Pa. Linerless venting closure. 2,576,917, Dec. 4.
Benz, George W., executor: *See*—
Stephan, Fritz.
Benz, Herbert G.: *See*—
Stephan, Fritz.
Bergdorf, Dale W., Barberton, Ohio. Catch. 2,577,507, Dec. 4.
Bergevin, Bernie B., Long Beach, Calif. Bookrack. 2,576,993, Dec. 4.
Berman, Gustave S., New York, N. Y. Sun and storm shield. 2,576,918, Dec. 4.
Bernik, Frank, Mount Vernon, Wash. Make-up galley. 2,577,672, Dec. 4.
Bernstein, Seymour, and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Cholesteryl amines and preparing the same. 2,577,226, Dec. 4.
Bert, Daniel C., Monroe, Mich. Humidifier system for air-heating furnaces. 2,577,302, Dec. 4.
Bethancourt, Raoul J., Corpus Christi, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Shockproof case for borehole measuring instruments. 2,577,599, Dec. 4.
Beweg A.-G., assignee: *See*—
Moser, Rudolf.
Bianchi, Ambrose, and W. H. Harman, San Francisco, Calif. Toy cable car system. 2,576,994, Dec. 4.
Bigge, Henry W.: *See*—
Shrader, Fred W., and Bigge.
Biggert, Florence C., Jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Universal coupling. 2,577,508, Dec. 4.
Binks Manufacturing Company, assignee: *See*—
Gustafsson, Eric, Baur and Kern.
Birum, Herbert L., Jr.: *See*—
Hammitt, Andrew B., and Birum.
Blair, Laurence R.: *See*—
Beals, Malcolm D., and Blair.
Blake, Virginia, Miami, Fla. Diaper. 2,577,398, Dec. 4.
Bliss, Warren H., Riverhead, N. Y., assignor to Radio Corporation of America. Pulse regenerator circuit. 2,577,444, Dec. 4.
Bohlander, Paul T., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Apparatus for swaging metals. 2,577,303, Dec. 4.
Bohn Aluminum & Brass Corporation, assignee: *See*—
McCullough, William E.
Bolger, Paul S., Forest Hills, N. Y. Folding pull toy. 2,577,102, Dec. 4.
Bookman, Harry, Los Angeles, Calif. Front fender skirt. 2,577,673, Dec. 4.
Borck, Adam J., Canon City, Colo. Natural apple preserving method. 2,576,919, Dec. 4.
Borden, Clifford C., Sr., New Providence, N. J., assignor to Radio Corporation of America. Fluid flow control system. 2,577,564, Dec. 4.
Bortnick, Newman M., assignor to Röhm & Haas Company, Philadelphia, Pa. Preparing methacrolein from the dimer thereof. 2,577,445, Dec. 4.
Bosch, Carl, Westfield, assignor to Chatham Electronics Corporation, Newark, N. J. Electrostatic voltage generator. 2,577,446, Dec. 4.
Bostwick, Burdette E., assignee: *See*—
Whipple, Jack Van H., and Kammerer.
Both, Tonjes A. C.: *See*—
Tuttle, Wainwright, and Both.
Bradley, Charles H., Jr., assignee: *See*—
Cunningham, Paul.
Bradley, Joshua E., Stittsville, Ontario, Canada. Seed cleaner. 2,577,565, Dec. 4.
Bradley Lumber Company of Arkansas, assignee: *See*—
Redin, Clifton W.
Brecheisen, Henry A., Baldwin, Kans. Nut cracker with reciprocating jaw. 2,577,645, Dec. 4.
Brendt, Harris L.: *See*—
Owen, George E., and Brendt.
Brent, George F., Pittsburgh, Pa., assignor to Hunter-Douglas Corporation, Riverside, Calif. Ladder tape. 2,577,227, Dec. 4.
Breon, George A., & Company, assignee: *See*—
Goodson, Louis H., Moffett, Stafford, and Hoehn.
Brevets Aero-Mecaniques S. A., assignee: *See*—
Maillard, Bernard.

Brewer, John H., Baltimore, Md., assignor to Hynson, Westcott & Dunning, Incorporated. Inhibition zone reader. 2,577,069, Dec. 4.

Brian, William S., New York, N. Y., assignor, by mesne assignments, to General Electric Company. Manufacturing electrodes. 2,577,103, Dec. 4.

Bright, Maxel L., Berkeley, assignor to Moore Business Forms, Inc., Emeryville, Calif. Autographic register. 2,577,447, Dec. 4.

Brill, Ruby L., New York, N. Y. Hat holder. 2,577,600, Dec. 4.

Bristol Laboratories Inc., assignee: *See*—
Cheney, Lee C.
Cooper, Douglas E.

Brooks, John W., Wenonah, and S. J. Lukasiewicz, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. 3-thienyl thioethers. 2,577,566, Dec. 4.

Brooks, Lewis C., assignor of one-third to I. M. Jones, Milwaukee, Wis. Container. 2,577,304, Dec. 4.

Brooks, Lewis C., assignor of one-third to I. M. Jones, Milwaukee, Wis. Consumer type container. 2,577,305, Dec. 4.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Making flexible pocket receptacles. 2,577,674, Dec. 4.

Brown, Kenneth W.: *See*—
Eastwood, Eric, Ferguson, and Brown.

Browne, Charles M., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for uniting metal to glass. 2,577,306, Dec. 4.

Bryant, Leland A., Beverly Hills, Calif. Universal panel mastering fixture. 2,577,509, Dec. 4.

Buchi, Alfred, Winterthur, Switzerland. Cooling device for radial gas turbines. 2,577,179, Dec. 4.

Buchi, Alfred, Winterthur, Switzerland. Friction gear. 2,577,180, Dec. 4.

Buckeye Steel Castings Company, The, assignee: *See*—
Wolfe, Harry H.

Buda Company, The, assignee: *See*—
Guerasimoff, Constantine N.

Buegeleisen, Joseph, Co., Inc., assignee: *See*—
Ashdowne, James S.

Burchett, Ray L.: *See*—
Harris, Alexander, Aronson, and Burchett.

Burgess-Norton Mfg. Co., assignee: *See*—
Carlson, Clarence C.
Waller, Gustav M.

Burkhardt, George R., Chicago, Ill. Railway rail. 2,577,601, Dec. 4.

Burkhart, William L., Long Beach, Calif. Lighting equipment. 2,576,920, Dec. 4.

Burkland, Carl J., assignor of one-half to E. Haubrich, Chicago, Ill. Mechanical movement. 2,577,675, Dec. 4.

Burnitol Manufacturing Co., assignee: *See*—
Cranshaw, Harold B.

Burroughs Adding Machine Company, assignee: *See*—
Mondy, Peter.

Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Hitchings, George H., Russell and Falco.
Walls, Leslie P., and Copp.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjusting the sensitivity of contact devices. 2,577,602, Dec. 4.

Butcher, John H., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Interior. Producing an ink-receptive surface on tracing cloth. 2,576,921, Dec. 4.

Butler, Frank L., Americus, Ga., assignor to General Electric Company. Drier safety control. 2,577,104, Dec. 4.

Butterworth, William N., Shaker Heights, Ohio, assignor to General Refractories Company, Philadelphia, Pa. Refractory lining for domestic furnaces. 2,577,400, Dec. 4.

Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.

Calcutt, William H., and S. A. F. Phelps, London, England. Door actuated rotatable service cabinet. 2,577,401, Dec. 4.

California Fruit Growers Exchange, assignee: *See*—
Cole, Gordon M.

California Institute Research Foundation, assignee: *See*—
Lauritsen, Charles C.

California Research Corporation, assignee: *See*—
Hotten, Bruce W.
Stewart, William T.

Cameron, William T., Barrie, Ontario, Canada. Massaging machine. 2,577,646, Dec. 4.

Camin, Etienne L. A., New York, N. Y., S. E. Hybinette, and H. B. Taylor, Wilmington, Del., assignors, by mesne assignments, to Kenmore Metals Corporation. Electrodeposition with nickel. 2,576,922, Dec. 4.

Campbell, Erwin A., Wexford, assignor to Lee C. Moore Corporation, Pittsburgh, Pa. Well spudder. 2,577,105, Dec. 4.

Carborundum Company, The, assignee: *See*—
Wooddell, Charles E., Van Nimwegen, and Hager.

Carlson, Clarence C., Batavia, assignor to Burgess-Norton Mfg. Co., Geneva, Ill. Drill point gauge. 2,577,228, Dec. 4.

Carlson, Elmer, assignor to Exhibit Supply Company, Chicago, Ill. Mechanism for controlling the actuation of electromagnetic coils. 2,577,307, Dec. 4.

Carlton, Earl E., San Francisco, Calif. Garment hanger. 2,577,567, Dec. 4.

Carnes, Samuel J., Camden, Ark. Audible fish lure. 2,577,229, Dec. 4.

Carnes, Samuel J., Camden, Ark. Fish lure. 2,577,402, Dec. 4.

Carr, Clarence R., Salem, Oreg. Cutoff saw for tractors. 2,577,448, Dec. 4.

Carroll, Howard W., Rock Hill, S. C. Filling fork well cleaner. 2,577,449, Dec. 4.

Carson, Harley W., Caprock, N. Mex. Spark plug shield. 2,577,308, Dec. 4.

Carson, Robert H., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Apparatus for comminuting materials. 2,577,403, Dec. 4.

Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Refrigeration expansion valve. 2,577,450, Dec. 4.

Carvel, Thomas, Hartsdale, N. Y. Agitating and scraping mechanism. 2,576,995, Dec. 4.

Carvin, Osborne W., assignee: *See*—
Spears, Estes O., and Clawitter.

Carwile, Roger L., Cambridge, Mass. Amusement device. 2,577,309, Dec. 4.

Case, J. I., Company, assignee: *See*—
Irvine, Houston N.

Castedello, William, assignor to The Kalart Company Inc., Stamford, Conn. Hinge for photographic apparatus. 2,576,996, Dec. 4.

Castle, Clemens X.: *See*—
Wilmotte, Raymond M., and Castle.

Castle, John B., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Safety device for pressurized cabin doors. 2,577,697, Dec. 4.

Celanese Corporation of America, assignee: *See*—
Kelght, Albert W.
May, Geoffrey B., and Fisher.
Robertson, Nat C.

Centolella, Albert P.: *See*—
Heyl, Frederick W., Herr, and Centolella.

Chain Belt Company, assignee: *See*—
Imse, Philip J.

Champion Spark Plug Company, assignee: *See*—
Schurecht, Harry G.

Chance, James L., Chester, assignor of fifty per cent to W. E. Thawley, Denton, Md. Attachable handle for pans. 2,577,676, Dec. 4.

Chatham Electronics Corporation, assignee: *See*—
Bosch, Carl.
Roudaut, Jean.

Cheney Bigelow Wire Works, assignee: *See*—
Nilson, Clifton N.

Cheney, Lee C., Fayetteville, assignor to Bristol Laboratories Inc., Syracuse, N. Y. Melamine salt of penicillin. 2,577,698, Dec. 4.

Cheney, Raymond E., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Mechanical record sensing device. 2,577,070, Dec. 4.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Acid zinc electroplating and electrolyte therefor. 2,576,997, Dec. 4.

Chester, Allan E., Highland Park, R. F. Main, and H. F. Hansen, said Main and said Hansen, assignors to Acme Steel Company, and said Chester assignor to Poor & Company, Chicago, Ill. Electroplating zinc. 2,576,999, Dec. 4.

Chillson, Charles W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Propeller pitch change mechanism. 2,577,603, Dec. 4.

Chillson, Charles W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Propeller pitch changing mechanism. 2,577,604, Dec. 4.

Chipman, John F., South Weymouth, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Latch tripping mechanism comprising abutting pivoted members. 2,577,230, Dec. 4.

Chisholm-Ryder Company, Incorporated, assignee: *See*—
Carson, Robert H.

Chriscaden, Alex W.: *See*—
Schulz, Richard E., and Chriacaden.

Christensen, Edwin S., Long Beach, Calif. Clutch. 2,577,181, Dec. 4.

Cities Service Oil Company, assignee: *See*—
Walker, John C.

Clapp, James W., Darien, and R. O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Diazine sulfonamides and preparing the same. 2,577,231, Dec. 4.

Clark, Frank L., Upper Hutt, Wellington, New Zealand. Animal trap. 2,577,182, Dec. 4.

Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Centrifugal machine. 2,577,647, Dec. 4.

Clawitter, Raymond G.: *See*—
Spears, Estes O., and Clawitter.

Clayton, Alfred B.: *See*—
Iknayan, Alfred, and Clayton.

Clayton Manufacturing Company, assignee: *See*—
Arant, Perry.

Dent, Henry E. R., Rochdale, England, assignor to Colly Products Limited. Device for cutting and slicing vegetables. 2,577,407, Dec. 4.

Denton, Harvey R., Oakland, Calif. Heat sealing pliofilm. 2,577,183, Dec. 4.

De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Toy construction element. 2,577,702, Dec. 4.

Detroit Gasket & Manufacturing Company, assignee: *See*—
Barrett, John L.

Detroit Lubricator Company, assignee: *See*—
Carter, Franklyn Y.
Dillman, Earnest J.

Deupree, Edwin A., Oklahoma City, Okla. Well bridge. 2,577,610, Dec. 4.

Development & Design, Inc., assignee: *See*—
Reiss, Ernest, and Gewertz.

Dewey, Clarence L., Grand Rapids, Mich. Handle for screw drivers or the like. 2,577,651, Dec. 4.

Dibble, Frank B., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Sound film drive. 2,577,652, Dec. 4.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Multivibrator. 2,577,074, Dec. 4.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Binary-decade counter. 2,577,075, Dec. 4.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cavity-resonator tube and associated circuit. 2,577,454, Dec. 4.

Dieterich, Francis X.: *See*—
Dietrich, Ralph J., and Dieterich.

Dietrich, Ralph J., Encino, and F. L. Dieterich, Culver City, Calif. Barbecue machine. 2,577,184, Dec. 4.

Di Giacomo, Aniello, New York, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Making molded condensers. 2,577,005, Dec. 4.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Pressure regulator. 2,577,455, Dec. 4.

Dillon, Clyde E., assignor, by mesne assignments, to R. H. Starr, Kansas City, Mo. Method and apparatus for smoking and tenderizing meat products. 2,576,925, Dec. 4.

Dimond, Thomas L., Rutherford, and C. A. Wingardner, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call data recording automatic telephone system. 2,577,609, Dec. 4.

Dobson, Joe, Taipa, Tex. Automatic electric timing system. 2,577,408, Dec. 4.

Dodge Manufacturing Corporation, assignee: *See*—
Firth, David.

Dodson, Pearl, Newark, Ohio. Adjustable eaves trough support. 2,577,006, Dec. 4.

Doerr, Charles, trustee, assignee: *See*—
Schultz, Mortimer L., Pacent, and Batcher.

Doherty, Margaret R., Wilmington, Del. Marine fender. 2,577,236, Dec. 4.

Dolly Toy Company, The, assignee: *See*—
Riley, Philip A.

Doman, John P., assignor to V. P. Doman, Los Angeles, Calif. Combination hinge. 2,577,456, Dec. 4.

Doman, Victor P., assignee: *See*—
Doman, John P.

Dominion Road Machinery Co., Limited, The, assignee: *See*—
Macdonald, John G.

Donahue, Lawrence E., assignor to Crane Packing Company, Chicago, Ill. Rotatable work holder for articles to be lapped or ground. 2,577,312, Dec. 4.

Donnelly, Joseph B., Burlingame, Calif., assignor to Schenley Industries, Inc. Container opener. 2,576,926, Dec. 4.

Douglas Aircraft Company, Inc., assignee: *See*—
Castle, John B.

Dow Chemical Company, The, assignee: *See*—
Amos, James L.
Serdynsky, Eugene D., Gowing, Wiley, and Havens.
Stober, Kenneth E.
Warren, Glenn W.

Downing, Frederick H., Balboa, C. Z. Gyroscopic apparatus. 2,577,313, Dec. 4.

Downing, William C., Jr., and D. A. Eggleston, Springfield, Ill., and J. M. Vanderleck, Toronto, Ontario, Canada, assignors to Sangamo Electric Company, Springfield, Ill. Thermal converter. 2,577,111, Dec. 4.

Dresser Equipment Company, assignee: *See*—
Coberly, Clarence J.

Dubilier, William, New Rochelle, N. Y. Playing card container. 2,577,007, Dec. 4.

Dufour, Leon, Geneva, Switzerland. Tractor for agricultural or road work. 2,577,237, Dec. 4.

Duke, Vernon J., Rockville Centre, N. Y., assignor to Radio Corporation of America. High-voltage power supply regulation. 2,577,112, Dec. 4.

Dungler, Julien, Basel, Switzerland. Dye padder having vertically or horizontally disposed squeeze rolls. 2,576,927, Dec. 4.

Dunlop, Richard D., Dickinson, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Gelatinization of cellulose acetate. 2,576,910, Dec. 4.

Dunningham, Ivor J.: *See*—
Vinten, Charles, and Dunningham.

Dunsford, Mortimer C., Sullivan, Mo., assignor, by mesne assignments, to Ramsey Corporation. Apparatus for heat shaping piston rings. 2,577,113, Dec. 4.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Cummings, Austin M.
Ewing, Alvin L.
Jennings, Andrew B., and Murray.
Rule, Joseph M.
Stokes, Jefferson A.

Durst, Fowler, Los Angeles, Calif. Electrical soldering pliers. 2,577,515, Dec. 4.

Dyer, Gustavus W., assignee: *See*—
Crocker, Ernest C.

Dysart, Arthur S., assignor of one-half to M. S. Dysart, Elizabeth, N. J. Mercury switch. 2,577,653, Dec. 4.

Dysart, Mabel S., assignee: *See*—
Dysart, Arthur S.

Eames, Orville T., Fort Worth, Tex Pallet for cake or bar soap. 2,577,114, Dec. 4.

Easton, Margaret L., Baltimore, Md. Salad mixing and serving bowl. 2,577,185, Dec. 4.

Eastwood, Eric, Great Baddow, J. McI. Ferguson and K. W. Brown, Stafford, assignors to The English Electric Company Limited, London, England. Electronic discharge device. 2,577,314, Dec. 4.

Eckert, John P., Jr.: *See*—
Mauchly, John W., and Eckert.

Eckert-Mauchly Computer Corporation, assignee: *See*—
Mauchly, John W., and Eckert.

Economy Fuse and Manufacturing Co., assignee: *See*—
Laing, Gordon F.

Edvinson, Anders G., and B. K. Danielsson, assignors to Aktiebolaget Gotaverken, Goteborg, Sweden. Oil burner. 2,577,238, Dec. 4.

Eggleston, Donald A.: *See*—
Downing, William C., Jr., Eggleston, and Vanderleck.

Eichner, Edward R., Montclair, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Inventory control device for fuel dispensing devices 2,577,115, Dec. 4.

Eisenberg, Ben, Larchmont, N. Y. Apparatus and method for electrically splicing film. 2,577,570, Dec. 4.

Eitel-McCullough, Inc., assignee: *See*—
Eitel, William W., and Miller.

Eitel, William M., Woodside, and H. D. Miller, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Cathode and heater structure for electron tubes. 2,577,239, Dec. 4.

Electric & Musical Industries Limited, assignee: *See*—
White, Eric L. C.

Electro-Hydraulics Limited, assignee: *See*—
Hackney, Stanley.

Ellerbeck, Thomas R., Salt Lake City, Utah. Variable discharge mechanism. 2,577,315, Dec. 4.

Elliott Company, assignee: *See*—
Land, Malcolm L.

Ellis-Foster Company, assignee: *See*—
Joy, Homer van B.

Elsheimer, Roscoe: *See*—
Kerr, Charles E., and Elsheimer.

Emerson, William S., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Allyl isothiocyano ethers. 2,577,409, Dec. 4.

Engineered Products, Inc., assignee: *See*—
Jones, Andy, Kessels, and Ruggles.

English Electric Company Limited, The, assignee: *See*—
Eastwood, Eric, Ferguson, and Brown.

Engstrand, Gunnar C., assignor, by mesne assignments, to Frederic R. Harris, Inc., New York, N. Y. Floating dry dock. 2,576,928, Dec. 4.

Engstrom, Oscar L., New York, N. Y. Tourniquet clamp. 2,577,008, Dec. 4.

Ensink, Johannes: *See*—
Greefkes, Johannes A., and Ensink.

Ensor, Elwood H., Wilmette, and J. H. Speer, Morton Grove, assignors to G. D. Searle & Co., Skokie, Ill. Purification of benzhydryl ethers. 2,577,076, Dec. 4.

Enterprise Aluminum Company, The, assignee: *See*—
Krause, Richard F.

Ercolino, Michael, Wanamassa, N. J., assignor to the United States of America as represented by the Secretary of the Army. Direction finding device. 2,576,929, Dec. 4.

Ern, Charles F., Jr., White Plains, N. Y. Manufacturing cutting tools, such as scissors and knives. 2,577,316, Dec. 4.

Eschrich, Leroy S., Pittsburgh, Pa. Louvered shade structure. 2,577,317, Dec. 4.

Ever-Rite Toy Co., Inc., assignee: *See*—
Zuckerman, Sam.

Everts, Ambrose B., Seattle, Wash. Device for setting backfires. 2,576,930, Dec. 4.

Eves, Joseph R., assignor to American Optical Company, Southbridge, Mass. Device for hardening. 2,577,611, Dec. 4.

Ewing, Alvin L., Chester, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Apparatus for yarn twisting. 2,577,571, Dec. 4.

Exhibit Supply Company, assignee: *See*—
Carlson, Elmer.

Clayton, Max L., Iberia, La., assignor to Shell Development Company, San Francisco, Calif. Rotary washover shoe. 2,577,605, Dec. 4.

Clemens, Günter, Hamburg-Nienstedten, and E. Westenfelder, Hamburg-Fuhlsbuttel, Germany, assignors to Standard Oil Development Company, Elizabeth, N. J. Apparatus for the production of air foam and air foam fire-extinguishing installations. 2,577,451, Dec. 4.

Cleveland Steel Products Corporation, assignee: *See*— Slaght, William W.

Clift, Mortimer A., Great Neck, assignor to Nichols Engineering & Research Corp., New York, N. Y. Apparatus for incinerating waste material. 2,577,000, Dec. 4.

Clifton, Robert P., Dearborn, assignor to Packard Motor Car Company, Detroit, Mich. Rotary hydraulic coupling. 2,577,404, Dec. 4.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid operated pump with shock absorber. 2,576,923, Dec. 4.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid operated pump with hydraulic shock absorber. 2,576,924, Dec. 4.

Cochran, Charles R., Chicago, Ill. Pin curl clip. 2,577,432, Dec. 4.

Cochrane, William R., assignee: *See*— McNabb, Walter J.

Cohn, Seymour B., Cambridge, Mass., assignor to United States of America as represented by the Secretary of War. Microwave filter. 2,577,510, Dec. 4.

Cohn, Seymour B., Cambridge, Mass., assignor to United States of America as represented by the Secretary of War. Tunable radio frequency filter. 2,577,511, Dec. 4.

Cole, Frederick L., West Collingswood, N. J. Ball and can. 2,577,001, Dec. 4.

Cole, Gordon M., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Obtaining pectin and citric acid from their source materials. 2,577,232, Dec. 4.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Charged-particle energy meter. 2,577,106, Dec. 4.

Collins & Aikman Corporation, assignee: *See*— Hewton, William R.

Colly Products Limited, assignee: *See*— Dent, Henry E. R.

Commonwealth Engineering Company of Ohio, The, assignee: *See*— Miller, Francis B.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*— Ponte, Maurice.

Compo Shoe Machinery Corporation, assignee: *See*— Small, Edward F.

Compule Corporation, The, assignee: *See*— Lockhart, Marshall L.

Cone Automatic Machine Company Inc., assignee: *See*— Adams, Clarence H., and Pratt.

Cones, Ben, Indianapolis, Ind. Proportioning flow damper. 2,577,405, Dec. 4.

Conley, Thomas A., Harrisville, R. I., assignor to American Optical Company, Southbridge, Mass. Filtering means for air supply devices. 2,577,606, Dec. 4.

Conley, Thomas A., Harrisville, R. I., assignor to American Optical Company, Southbridge, Mass. Air supply system for welders' helmets. 2,577,607, Dec. 4.

Connelly, Edward F., assignor of one-half to E. E. Stewart, St. Paul, Minn. Vehicle supported road sander. 2,577,310, Dec. 4.

Connors, George, assignor to Highway Trailer Company, Edgerton, Wis. Automatic brake applying mechanism. 2,577,071, Dec. 4.

Cooper, Douglas E., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Penicillin anhydrides. 2,577,699, Dec. 4.

Cooper, Harold S. G., Cambridge, and H. L. Schultz, Wellesley, assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Communication system. 2,577,512, Dec. 4.

Cooper, Kenneth K., Fort Wayne, Ind., assignor to General Electric Company. Compressor head cooling system for refrigerator machines. 2,577,107, Dec. 4.

Copp, Frederick C.: *See*— Walls, Leslie P., and Copp.

Corl and Fleming, assignee: *See*— Corl, Oliver A., Jr., and Nelson.

Corl, Oliver A., Jr., and V. Nelson, assignors to Corl and Fleming, Fillmore, Calif. Flexible hitch. 2,577,002, Dec. 4.

Coiner, John C., Logansport, Ind., assignor to L. D. Long, Charleston, S. C. Louver construction. 2,577,072, Dec. 4.

Cottrell, C. B., & Sons Company, assignee: *See*— Luehrs, Hans J.

Coultrip, Raymond L., Milwaukee, Wis. Pressure gauge 2,577,608, Dec. 4.

Coyne, Howard L., Rockville Centre, F. D. Fessler, Lynbrook, L. N. Hampton, New York, and O. S. A. Mesch, St. Albans, N. Y., and W. N. Thompson, Mont Vernon, N. H., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable resistance device. 2,577,108, Dec. 4.

Crandell, Purley A., Burnley, assignor to Platers & Stampers Limited, London, England. Paring or coring tool. 2,577,406, Dec. 4.

Crane Packing Company, assignee: *See*— Donahue, Lawrence E.

Cranshaw, Harold B., Newton, assignor to Burnitol Manufacturing Co., Boston, Mass. Folding paper cup. 2,577,109, Dec. 4.

Crocker, Ernest C., Belmont, Mass., assignor, by mesne assignments, to G. W. Dyer, Danville, Va. Treating tobacco and treated product. 2,577,453, Dec. 4.

Crompton & Knowles Loom Works, assignee: *See*— Payne, Oscar V.

Cron, Harry, assignee: *See*— Groh, Henry.

Cron, Harry W., assignee: *See*— Groh, Henry.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solution polymerization. 2,577,677, Dec. 4.

Crowley, Gerald P.: *See*— Baird, William, and Crowley.

Crown Zellerbach Corporation, assignee: *See*— Lackey, Homer B.

Croxall, Willard J., Bryn Athyn, and Chien-Pen Lo, assignors to Rohm & Haas Company, Philadelphia, Pa. Thionoimidazolidylethyl dithiocarbamates. 2,577,700, Dec. 4.

Cullen, Lawrence E., Orient, Iowa. Hog chute. 2,577,233, Dec. 4.

Cummings, Austin M., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition containing vermiculite. 2,577,110, Dec. 4.

Cunningham, M. E., Company, assignee: *See*— Hauer, Leon C.

Cunningham, Paul, assignor of one-quarter to C. H. Bradley, Jr., Houston, Tex. Dental tray. 2,577,513, Dec. 4.

Curtis Automotive Devices, Inc., assignee: *See*— Gates, Richard L.

Curtis, Thomas E., Berkeley, Calif. Derivative-computing servo mechanism control for prime mover dynamo plants. 2,577,003, Dec. 4.

Curtiss-Wright Corporation, assignee: *See*— Chillson, Charles W. Wendt, Harold O.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Production of aminoalkyl ethers of diaryl carbinols. 2,577,234, Dec. 4.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France. Coupling device for two colinear shafts. 2,577,311, Dec. 4.

D. Swarovski Glasfabrik und Tyrolit Schleifmittel-Werke, assignee: *See*— Hofreiter, Alois.

Dahlem, J. Gordon: *See*— Hinds, Sherwood, and Dahlem.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph record changer. 2,577,648, Dec. 4.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Speed adjustment for phonograph turntables. 2,577,649, Dec. 4.

Danielsson, Börje K.: *See*— Edvinson, Anders G., and Danielsson.

Darnell, Rex C., Dexter, assignor to King-Seeley Corporation, Ann Arbor, Mich. Timer mechanism. 2,577,004, Dec. 4.

Davidson Corporation, assignee: *See*— Dell, Edward F.

Davidson, James A. B., assignor to Muirhead and Company Limited, Beckenham, England. Thermionic valve oscillator. 2,577,235, Dec. 4.

Davis, Arthur P., New York, N. Y., assignor to Arma Corporation. Gun control system. 2,577,650, Dec. 4.

Day, Harold M.: *See*— Jayne, David W., Jr., and Day.

Day, William M.: *See*— Resek, Marc, Day, and Kirkpatrick.

Dayton Rubber Company, The, assignee: *See*— Treue, Robert C.

De Bell & Richardson, Inc., assignee: *See*— Richardson, Henry M., and Wiley.

De Florez Company, The, assignee: *See*— De Florez, Luis and P., and Gore.

De Florez, Luis and P., Pomfret, Conn., and O. L. Gore, Great Neck, N. Y., assignors, by mesne assignments, to The de Florez Company. Plastic binding of hard cased books. 2,577,568, Dec. 4.

De Florez, Peter: *See*— De Florez, Luis and P., and Gore.

Dell, Edward F., Chicago, Ill., assignor, by mesne assignments, to Davidson Corporation. Plate clamp means. 2,577,073, Dec. 4.

De Ment, Jack, Portland, Oreg., assignor to the United States of America as represented by the United States Atomic Energy Commission. Removal of radioactive contaminants. 2,577,514, Dec. 4.

Deming, Philip H., and M. L. Sagenkahn, assignors to Shell Development Company, San Francisco, Calif. Fractionation process. 2,577,701, Dec. 4.

Demuth, Charles, Mineola, N. Y. Adjusting device. 2,577,569, Dec. 4.

Falco, Elvire ...: *See*— Hitchings, George H., Russell, and Falco.

Falk, Irving M., assignor to Nu Pocket Method Company, Philadelphia, Pa. Garment pocket. 2,577,318, Dec. 4.

Faries Manufacturing Company, assignee: *See*— Laystrom, Carl A., and Sigler.

Farrall, Arthur W., East Lansing, Mich., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Radiant heater having plural reflectors for preventing frost damage to plant life. 2,577,410, Dec. 4.

Fassnacht, Paul H., West Nyack, assignor to Precision Shapes, Inc., Suffern, N. Y. Jig for milling. 2,577,116, Dec. 4.

Faulk, Donald P., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Sequence and welding timer. 2,577,411, Dec. 4.

Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Dielectric constant measurement. 2,577,612, Dec. 4.

Feitl, Rudolf, Brooklyn, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Retaining ring. 2,577,319, Dec. 4.

Fenyo, Julius, Freeport, N. Y. Perfume containing painting. 2,577,320, Dec. 4.

Ferber, Fred, Hohokus Township, Bergen County, N. J. Writing fluid dispensing apparatus. 2,577,572, Dec. 4.

Ferguson, James G.: *See*— Ball, Eustace T., Ferguson, and Greene.

Ferguson, John M.: *See*— Eastwood, Eric, Ferguson, and Brown.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Microwave scanning system and method. 2,577,117, Dec. 4.

Ferrell, Wesley, Fair Lawn, N. J., assignor to United States Rubber Company, New York, N. Y. Mold construction. 2,577,412, Dec. 4.

Fessler, Frank D.: *See*— Coyne, Howard L., Fessler, Hampton, Mesch, and Thompson.

Filger, Joseph B., Cincinnati, Ohio. Nose drop dispenser. 2,577,321, Dec. 4.

Fillinger, Arthur E., assignor to Hamilton Watch Company, Lancaster, Pa. Electric watch. 2,577,703, Dec. 4.

Findley, Robert L., Wilmington, Calif. Suture hemostat. 2,577,240, Dec. 4.

Finegan, Carl R., Elyria, Ohio. Instructional device on the operation of voting machines. 2,577,678, Dec. 4.

Finholm, William S., New York, N. Y. Piano action. 2,577,573, Dec. 4.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Locking means for adjusting nuts. 2,577,516, Dec. 4.

Fish Machinery Corporation, assignee: *See*— Hunt, William H.

Fisher, James W.: *See*— May, Geoffrey B., and Fisher.

Fiske, Milan D., Burnt Hills, N. Y., assignor to General Electric Company. Wave guide filter. 2,577,118, Dec. 4.

Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Jointure for prefabricated structures. 2,577,119, Dec. 4.

Fleisher, Gerald A.: *See*— Kendall, Edward C., and Fleisher.

Fletcher, Ed: *See*— Slayter, Games, and Fletcher.

Fletcher, H. E., Company, assignee: *See*— Horton, William B. Mackenzie, Robert S. Stratton, Harry E. Vasselin, John F.

Fletcher, Lynn: *See*— Winks, John, and Fletcher.

Florer, George E., West Des Moines, Iowa. Golf ball projector. 2,577,186, Dec. 4.

Flosdorf, Earl W., Forest Grove, Pa., assignor to Tabor-Olney Corporation, Baltimore, Md. Drying plums and grapes. 2,577,704, Dec. 4.

Food Machinery and Chemical Corporation, assignee: *See*— Kelly, Walter W. Kerr, Charles E. Kerr, Charles E., and Elsheimer. Malin, Ralph D. Porter, Glenn M. Tarot, Ernest P.

Forsberg, George E., Worcester, assignor to Surprenant Electrical Insulation Company, Clinton, Mass. Buoyant tow and communication line. 2,577,077, Dec. 4.

Foster, Giraud V., assignee: *See*— Ingalls, Edgar J.

Foster Wheeler Corporation, assignee: *See*— La Crolx, Henry H.

Fox, Lawrence H. E., Inglewood, Calif., assignor to North American Aviation, Inc. Forming bearings. 2,577,187, Dec. 4.

Frailing, Le Roy H., assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,577,413, Dec. 4.

Frantz, Virgil L., Roanoke, Va. Sander nozzle assembly. 2,577,009, Dec. 4.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Honeycomb structure. 2,577,120, Dec. 4.

Fraser, Frank H., assignor of one-half to R. C. Haugh, Wellsville, Ohio. Combined lighter and watch. 2,577,679, Dec. 4.

Fraser, George L., Springfield, and H. F. Park, East Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Transparent casting from styrene-polyester copolymer. 2,577,414, Dec. 4.

Frazier Tandem Systems, Incorporated, assignee: *See*— Frazier, Van L.

Frazier, Van L., assignor to Frazier Tandem Systems, Incorporated, Springfield, Mo. Tandem spring suspension unit. 2,577,322, Dec. 4.

Freeman, Howard G., Worcester, Mass., assignor to Rockwood Sprinkler Company. Liquid mixing apparatus. 2,577,457, Dec. 4.

Freer, Clyde P., assignor to Halsey W. Taylor Co., Warren, Ohio. Liquid coating apparatus. 2,577,574, Dec. 4.

Freer, William A.: *See*— Smith, Thomas C., Hart, and Freer.

French, Alfred W., Jr., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Cooker. 2,577,010, Dec. 4.

French Oil Mill Machinery Company, The, assignee: *See*— French, Alfred W., Jr.

Friberg, Alfred F., Portland, Oreg. Valve. 2,577,613, Dec. 4.

Fried, Mendel, Phoenix, Ariz. Penholder cap with ink container. 2,577,078, Dec. 4.

Fritschi, Walter W., Manhasset, and C. W. Lucek, Port Chester, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice-frequency signaling system. 2,577,614, Dec. 4.

Fritz Lundbergs Skinnberederi & Fargeri Aktiebolag, assignee: *See*— Günther, Torsten R.

Gaiptman, Arnold L., New York, N. Y. Apparatus for regulating air pressure in automobile tires. 2,577,458, Dec. 4.

Gall, Charles C., Richmond Hill, assignor to The Western Union Telegraph Company, New York, N. Y. Mechanism for regulating synchronizing impulse transmissions. 2,577,415, Dec. 4.

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Machine tool. 2,577,517, Dec. 4.

Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Synthesis of hydrocarbons in the presence of a fluid phase catalyst. 2,576,931, Dec. 4.

Garibaldi, John A., San Francisco, K. Ijichi, Berkeley, and J. C. Lewis, Oakland, Calif., and J. McGinnis, Pullman, Wash., assignors to the United States of America as represented by the Secretary of Agriculture. Fermentation process for production of vitamin B_{12}. 2,576,932, Dec. 4.

Garrison, Albert H., Edwardsville, Ill., and F. B. Rolfson, San Pablo, assignors to Shell Development Company, San Francisco, Calif. Automatic distillation apparatus. 2,577,615, Dec. 4.

Gates, Richard L., assignor to Curtis Automotive Devices, Inc., Dayton, Ohio. Vent valve. 2,577,654, Dec. 4.

Gaylor, Peter J., assignee: *See*— Kozlowski, Walter.

Gee, William P., Plainfield, N. J., assignor to Texaco Development Corporation, New York, N. Y. Separation of fatty oil from solid bleaching agents. 2,577,079, Dec. 4.

Geimer, William J., Minneapolis, Minn., and F. R. Linda, Durham, N. C., assignors to Bemis Bro. Bag Company, Minneapolis, Minn. Sealing tape for tubular bag bodies. 2,576,933, Dec. 4.

Geisse, John H., Washington, D. C. Cross-wind undercarriage. 2,577,416, Dec. 4.

Gellenbeck, Benjamin G., Tacoma, Wash. Child's convertible vehicle. 2,577,459, Dec. 4.

General Electric Company, assignee: *See*— Brian, William S. Butler, Frank L. Cooper, Kenneth K. Fiske, Milan D. Fitzgerald, Albert J. Powers, James H. Rex, Charles H. Spittler, Eugene R., and Johnson. Williamson, James. Woestemeyer, Francis B. Worst, Joseph C.

General Motors Corporation, assignee: *See*— Clark, Kendall.

General Precision Laboratory Incorporated, assignee: *See*— Dibble, Frank B.

General Refractories Company, assignee: *See*— Butterworth, William N. Mohr, Joseph S.

Gephart, Harry M., Elmhurst, assignor to Gephart Manufacturing Company, Chicago, Ill. Fishing rod. 2,577,575, Dec. 4.

Gephart Manufacturing Company, assignee: *See*— Gephart, Harry M.

Gewertz, Harry R.: *See*—
Reiss, Ernest, and Gewertz.

Gibson, Alfred and Arthur, Boston, Mass. Making textured building blocks. 2,577,241, Dec. 4.

Gibson, Arthur: *See*—
Gibson, Alfred and Arthur.

Gibson Patent Containers, Ltd., assignee: *See*—
Page, John E.

Giddings & Lewis Machine Tool Company, assignee: *See*—
Gallimore, Keith F.

Gifford-Wood Company, assignee: *See*—
Hudson, Wilbur G.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Logan, Joseph A., and Lavallee.

Giorgi, Adelmo, assignee: *See*—
Pasquesi, Battista.

Girling, Albert H. G.: *See*—
Pratt, James H., Manley, and Girling.

Girling Limited, assignee: *See*—
Pratt, James H., Manley, and Girling.

Gist, Cleo D., assignee: *See*—
Patterson, Luther E.

Glenn, Irving G., New York, N. Y. Electric heater. 2,577,080, Dec. 4.

Glickman, Mannes N., and M. Klebanoff, Nutley, N. J. Hermetic crystal holder. 2,577,576, Dec. 4.

Globe Industries, Inc., assignee: *See*—
Hoffman, Paul S.

Goenner, Eugene, Woodside, N. Y. Building wall construction. 2,577,323, Dec. 4.

Goesch, Reuben E., Sutton, Nebr. Pickup guard. 2,577,324, Dec. 4.

Good Humor Corporation, assignee: *See*—
Robb, John F.

Goodson, Louis H., Kansas City, Mo., R. B. Moffett, and J. E. Stafford, Kalamazoo, Mich., and W. M. Hoehn, assignors to George A. Breon & Company, Kansas City, Mo. Substituted ethylamines. 2,577,121, Dec. 4.

Gore, Owen L.: *See*—
De Florez, Luis and P., and Gore.

Gottschalk, Lionel J., New Orleans, La. Card selecting device. 2,577,460, Dec. 4.

Gowing, James S.: *See*—
Serdynsky, Eugene D., Cowing, Wiley, and Havens.

Grad, Adolf, Wauwatosa, assignor to The Oilgear Company, Milwaukee, Wis. Axial type hydrodynamic machine. 2,577,242, Dec. 4.

Greefkes, Johannes A., and J. Ensink, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube circuit arrangement, including selective and nonselective negative-feedback means and selective positive-feedback means. 2,577,461, Dec. 4.

Greene, James E.: *See*—
Ball, Eustace T., Ferguson, and Greene.

Greer, Don S., Winchester, assignor to J. W. Greer Company, Cambridge, Mass. Coating machine. 2,577,722, Dec. 4.

Greer, J. W., Company, assignee: *See*—
Greer, Don S.

Grier, Herbert E., Newton Centre, Mass. Flash-photography apparatus. 2,576,934, Dec. 4.

Grieshaber, Herman R., assignor to Grieshaber Manufacturing Company, Inc., Chicago, Ill. Tonsillectome. 2,577,616, Dec. 4.

Grieshaber Manufacturing Company, Inc., assignee: *See*—
Grieshaber, Herman R.

Groh, Henry, Glen Spey, assignor of one-half to H. W. Cron, Port Jervis, N. Y. Holder for cosmetics. 2,577,577, Dec. 4.

Groh, Henry, Glen Spey, assignor of one-half to H. Cron, Port Jervis, N. Y. Button cover. 2,577,723, Dec. 4.

Grossman, Paul R., Irvington, N. J., and J. F. Shannon, Euclid, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater control. 2,577,655, Dec. 4.

Gruendler Crusher and Pulverizer Co., assignee: *See*—
Shelton, Harry J., Jr.

Guerasimoff, Constantine N., assignor to The Buda Company, Harvey, Ill. Fuel injection engine. 2,577,518, Dec. 4.

Guernsey, Glen A.: *See*—
Harmon, Kenneth A., and Guernsey.

Günther, Torsten R., assignor to Fritz Lundbergs Skinnberederi & Fargeri Aktiebolag, Tranas, Sweden. Heating device. 2,577,243, Dec. 4.

Gustafsson, Eric, J. W. Baur, and T. Kern, assignors to Binks Manufacturing Company, Chicago, Ill. Dry powder sprayer. 2,577,519, Dec. 4.

Hackney, Stanley, assignor to Electro-Hydraulics Limited, Warrington, England. Pressure operated mechanism. 2,577,462, Dec. 4.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Triggering in electronic switching devices. 2,577,578, Dec. 4.

Hagan Corporation, assignee: *See*—
Vetter, Otto B.

Hagenbuch, Werner: *See*—
Rheiner, Alfred, and Hagenbuch.

Hager, Edward T.: *See*—
Wooddell, Charles E., Van Nimwegen, and Hager.

Hall, Bertie R., Berkeley, Calif. Collapsibe cart. 2,577,579, Dec. 4.

Hall-Mack Company, assignee: *See*—
Hallenscheid, Gustav A.

Hall, Michael F., Bell, Calif. Composite oil pan for engines. 2,577,188, Dec. 4.

Hallenscеid Gustav A., assignor to Hall-Mack Company, Los Angeles, Calif. Bathroom article holder. 2,577,011, Dec. 4.

Hallman, Jacob C., Kitchener, Ontario, Canada. Organ valve. 2,577,580, Dec. 4.

Halpin, Elwood R., Rochester, N. Y. Pump combination. 2,577,417, Dec. 4.

Halverson, Herman, assignee: *See*—
Loomis, Lawrence L.

Hamilton Watch Company, assignee: *See*—
Fillinger, Arthur E.

Hamm, Philip C., Kansas City, assignor to Monsanto Chemical Company, St. Louis, Mo. Tall oil-melamine reaction product and process. 2,577,418, Dec. 4.

Hammatt, Young F., assignee: *See*—
Hammett, Clarence E.

Hammett, Clarence E., South Gate, assignor to Y. F. Hammatt, Anaheim, Calif. Shuffleboard cue. 2,577,189, Dec. 4.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Roof construction. 2,577,581, Dec. 4.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Roof construction. 2,577,582, Dec. 4.

Hammond, George K.: *See*—
Meyer, Fred J., and Hammond.

Hampton, Leon N.: *See*—
Coyne, Howard L., Fessler, Hampton, Mesch, and Thompson.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Device for transmission and reception of very short electrical waves. 2,577,463, Dec. 4.

Hansen, Harold F.: *See*—
Chester, Allan E., Main, and Hansen.
Main, Ray F., and Hansen.

Hare, Donald G. C., Stamford, Conn. Precision driving system. 2,577,190, Dec. 4.

Hare, Donald G. C., Greenvale, N. Y., assignor to the United States of America as represented by the Secretary of War. Radio-frequency transponder. 2,577,520, Dec. 4.

Harman, Walter H.: *See*—
Bianchi, Ambrose, and Harman.

Harmon, Kenneth A., Longmeadow, and G. A. Guernsey, assignors to Wico Electric Company, West Springfield, Mass. Control mechanism for the brake holders of automotive vehicles. 2,577,680, Dec. 4.

Harris, Alexander, Scobeyville, A. H. Aronson, South Orange, and R. L. Burchett, East Orange, assignors to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter. 2,577,122, Dec. 4.

Harris, Frederic R., Inc., assignee: *See*—
Engstrand, Gunnar C.

Harshberger, Russell P., Los Angeles, Calif. Epicyclic mechanism. 2,577,081, Dec. 4.

Harstick, William H., Oak Park, and H. O. Vogel, Chicago, Ill., assignors to International Harvester Company. Liquid supply means for power washing cream separator. 2,577,326, Dec. 4.

Hart, Frederick H. M.: *See*—
Smith, Thomas C., Hart and Freer.

Hart, Thomas F.: *See*—
Pelton, John F., and Hart.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Alexander, Johan W., and Wesselink.
Diemer, Gesinus.
Greefkes, Johannes A., and Ensink.
Knös, Gunnar B.
Mulder, Johannes G. W., and Penning.
Roosdorp, Hermanus J.
Strutt, Maximiliaan J. O.
Van Ingen Schenau, Bernardus W.

Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Formaldimines and their reaction products. 2,577,191, Dec. 4.

Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T.

Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Cashew nut shell extract. 2,577,521, Dec. 4.

Haskell, Betty S., assignee: *See*—
Haskell, Chester G.

Haskell, Chester G., Los Angeles, Calif., assignor by decree of distribution, to E. H. and B. S. Haskell. Wave and tie power plant. 2,577,325, Dec. 4.

Haskell, Earl H., assignee: *See*—
Haskell, Chester G.

Haskett, Henry, Annapolis, Md. Permutation switch. 2,577,681, Dec. 4.

Hattaway, Sam M., assignee: *See*—
Page, Joseph H.

Haubrich, Earl, assignee: *See*—
Burkland, Carl J.

Hauer, Leon C., assignor to M. E. Cunningham Company, Pittsburgh, Pa. Tag forming tool. 2,577,192, Dec. 4.

Haugh, Richard C., assignee: *See*—
Fraser, Frank H.

James, Louise, assignor to Huye Space Saving Box System Inc., New Orleans, La. Locking means for boxes. 2,577,248, Dec. 4.

Jannsen, Newman C., Seattle, Wash. Heat exchanger framing for metal boats. 2,577,194, Dec. 4.

Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Rubberlike cured polyesters containing calcium silicate and producing same. 2,577,618, Dec. 4.

Jenett, Caroline L. M., executrix: *See*—
Jenett, Henry.

Jenett, Henry, deceased, Montclair, N. J.; C. L. M. Jenett, executrix. Packaging material and packaging. 2,577,249, Dec. 4.

Jenkins, Cecil: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.

Jenks, Frederic A., Rockville Centre, N. Y., assignor to The Sperry Corporation. Wave guide modulation apparatus. 2,576,943, Dec. 4.

Jennings, Andrew B., Edgebrook, and O. W. Murray, Rumson Park, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic element with colloid layer containing color former and nonionic wetting agent. 2,577,127, Dec. 4.

Jewel Tea Co., Inc., assignee: *See*—
Owens, Thomas B.

Johns-Manville Corporation, assignee: *See*—
McDermott, Paul F., and Holcomb.
Powell, Edward R.

Johnson, Axel A., Holly, Mich. Radiator siphon. 2,577,014, Dec. 4.

Johnson, Chester W., Bridgewater, assignor of one-half to Nuproducts Corporation, Cambridge, Mass. Fabric guiding mechanism and feeler control therefor. 2,577,195, Dec. 4.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine-tool control. 2,577,128, Dec. 4.

Johnson, Dale C., Concord, H. L. Warner, Oakland, and A. A. Zambruno, San Mateo, assignors, by mesne assignments, to W. H. Mead, Oakland, Calif. Mold treating apparatus. 2,577,196, Dec. 4.

Johnson, Ivar W.: *See*—
Spittler, Eugene R., and Johnson.

Johnson, Wayne R., assignor to E. C. Anthony, Inc., Los Angeles, Calif. Switching system. 2,577,015, Dec. 4.

Johnston, Clair R., Akron, Ohio. Apparatus for digging potatoes and the like. 2,577,525, Dec. 4.

Johnston, Elmer O., Oreana, Idaho. Airplane ground lock. 2,577,330, Dec. 4.

Johnston, Henry E.: *See*—
Voegtlin, Elmo N., O'Neal, and Johnston.

Johnston, Jared C., and G. P. Schmitt, New York, N. Y. Back exercising and massaging device. 2,577,129, Dec. 4.

Jones, Andy, E. J. Kessels, and F. A. Ruggles, assignors to Engineered Products, Inc., Denver, Colo. Sandblast gun. 2,577,465, Dec. 4.

Jones, Ira M., assignee: *See*—
Brooks, Lewis C.

Jones & Laughlin Steel Corporation, assignee: *See*—
Bohlander, Paul T.

Jones, Winfield W., Oceanville, N. J. Joining leaders to fishhoks. 2,577,466, Dec. 4.

Jovan, James, assignee: *See*—
Schenk, Theresia, and Sprung.

Joy, Homer V., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Denture composition containing vinylidene chloride-acrylonitrile copolymer and methyl methacrylate monomer and polymer. 2,576,944, Dec. 4.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Smith, Arthur D., and Kobrow.

Kalart Company Inc., The, assignee: *See*—
Castedello, William.

Kammerer, Gerald P.: *See*—
Whipple, Jack Van H., and Kammerer.

Kargl, Gilard, San Antonio, Tex. Bed and cylinder press for super-posed impressions. 2,577,016, Dec. 4.

Karlsson, Elof K., and J. L. Aasland, Moline, Ill., assignors to International Harvester Company. Deflector for wagon elevators. 2,577,331, Dec. 4.

Karpoff, Alex D., assignee: *See*—
Moore, Harvey G.

Kawecki Chemical Company, assignee: *See*—
Kawecki, Henry C.

Kawecki, Henry C., Fleetwood, assignor to Kawecki Chemical Company, Boyertown, Pa. Production of potassium titanium fluoride. 2,577,130, Dec. 4.

Keck, Ray L.: *See*—
Sammis, Louis B., and Keck.

Keight, Albert W., Cumberland, Md., assignor to Celanese Corporation of America. Yarn winding device. 2,577,131, Dec. 4.

Keller, Herman J., Dunedin, Fla. Treatment of citrus fruit. 2,577,421, Dec. 4.

Kellogg, M. W., Company, The, assignee: *See*—
Belchetz, Arnold.

Kellogg Switchboard and Supply Company, assignee: *See*—
Arthur, Richard P.

Kelly, Ogilvie C., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Mirror mounting and protecting device. 2,577,526, Dec. 4.

Kelly, Walter W., Portland, Oreg., assignor to Food Machinery and Chemical Corporation. Combined pitting and slicing mechanism. 2,577,527, Dec. 4.

Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Preparation of heavy hydrocarbons of hydrogen isotopes. 2,577,017, Dec. 4.

Kendall, Edward C., and G. A. Fleisher, Rochester, Minn., assignors to Research Corporation, New York, N. Y. Δ17,20-pregnenolal derivatives. 2,577,018, Dec. 4.

Kenmore Metals Corporation, assignee: *See*—
Camin, Etienne L. A., Hybinette, and Taylor.

Kennedy, Edward P., Berwyn, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Speaker cabinet. 2,577,528, Dec. 4.

Kenoszt, George, Chicago, Ill. Lubricating system. 2,577,658, Dec. 4.

Kern, Theodore: *See*—
Gustafsson, Eric, Baur, and Kern.

Kerns, Quentin A., and W. R. Baker, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Pulse transformer. 2,577,707, Dec. 4.

Kerr, Charles E., San Jose, Calif., and R. Elsheimer, Hoopeston, Ill., assignors to Food Machinery and Chemical Corporation. Carton handling machine. 2,577,529, Dec. 4.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation. Green corn cutter. 2,577,530, Dec. 4.

Kessels, Edward J.: *See*—
Jones, Andy, Kessels, and Ruggles.

Kesterton, Henry M., Wroxall, England. Control mechanism for variable-speed gears or other purposes. 2,577,019, Dec. 4.

Kibler, Everett L., Pittsburgh, Pa. Model making apparatus. 2,577,250, Dec. 4.

Kienninger, John F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Imbibition printing. 2,577,332, Dec. 4.

King, Floyd D., Phoenix, Ariz. Flower holder. 2,577,251, Dec. 4.

King-Seeley Corporation, assignee: *See*—
Darnell, Rex C.

Kinney, Elwin M., Atlanta, Ga. Seat attachment. 2,577,197, Dec. 4.

Kirby-Cogeshall-Steinau Co., assignee: *See*—
Steinau, Norvin J.

Kirkpatrick, Joseph R.: *See*—
Resek, Marc, Day, and Kirkpatrick.

Kirkpatrick, Willard H., Sugar Land, assignor to Visco Products Company, Houston, Tex. Chemical compositions and the preparation thereof. 2,577,198, Dec. 4.

Kivley, Ray C., Kenmore, assignor to Western Electric Company, Incorporated, New York, N. Y. Wire coating apparatus. 2,577,132, Dec. 4.

Kjellman, Walter, Stockholm, Sweden. Drainage method and device. 2,577,252, Dec. 4.

Klebanoff, Michael: *See*—
Blickman, Mannes N., and Klebanoff.

Klingel, Walter C., Basking Ridge, N. J. Plastic rubber compositions. 2,576,945, Dec. 4.

Klopner, Lionel P., Fort Worth, Tex. Ratchet for coin controlled machines. 2,577,199, Dec. 4.

Kloski, John F., Hartford, and W. H. Kupper, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Back spacing mechanism operating means for typewriting or like machines. 2,577,467, Dec. 4.

Klum, Blaine, deceased, and W. Tucker; F. Klum, administratrix of said B. Klum, assignor, by mesne assignments, to W. Tucker, III, Oakland, Calif. Golf club carrier. 2,577,333, Dec. 4.

Klum, Florence, administratrix: *See*—
Klum, Blaine, and Tucker.

Knipping, Rainer H., San Antonio, Tex. Garbage incinerator. 2,577,659, Dec. 4.

Knös, Gunnar B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cross-bar switch for automatic telephony. 2,577,468, Dec. 4.

Kobrow, Gustav C.: *See*—
Smith, Arthur D., and Kobrow.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic structure for delaying unipolarized waves. 2,577,619, Dec. 4.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyleneoxy-benzyl diaminodiphenyl-sulfone. 2,577,708, Dec. 4.

Kozlowski, Walter, Irvington, assignor of one-half to P. J. Gaylor, Newark, N. J. Micrometer scribing tool. 2,577,334, Dec. 4.

Krause, Richard F., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Coffee basket for drip coffee makers. 2,577,200, Dec. 4.

Kronsis, John L.: *See*—
Smith, Stephen H., and Kronsis.

Havens, Carl B.: *See*—
Serdynsky, Eugene D., Gowing, Wiley, and Havens.

Hawkins, Roe C.: *See*—
Hinckley, Harold A., and Hawkins.

Hayes, Harold R., Saranac, N. Y. Spring suspension for vehicles. 2,576,935, Dec. 4.

Hedgpeth, Edward B., Salt Lake City, Utah. Spring caster wheel assembly for automotive couplers and the like. 2,577,244, Dec. 4.

Heffelfinger, Robert D., Lansdowne, Pa., assignor to American Viscose Corporation, Wilmington, Del. Hydraulically driven twisting apparatus. 2,576,936, Dec. 4.

Herr, Milton E.: *See*—
Heyl, Frederick W., Herr, and Centolella.

Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Double shuttle weft replenishing loom. 2,577,419, Dec. 4.

Heyl, Frederick W., and M. E. Herr, Kalamazoo, Mich., and A. P. Centolella, Elkhart, Ind., assignors to The Upjohn Company, Kalamazoo, Mich. 3-substituted-22-monophenyl-bisnor-5,20-choladienes and production of pregnenolone therefrom. 2,576,937, Dec. 4.

Hiatt, Verl H., Noblesville, Ind., assignor to the United States of America as represented by the Secretary of the Navy. Vacuum tube amplifier. 2,576,938, Dec. 4.

Highway Trailer Company, assignee: *See*—
Connors, George.

Higley, Willard S.: *See*—
Lien, Arthur P., Zimmerschied, and Higley.

Hill, Arthur T., assignor to H. W. Lewis Equipment Co., San Antonio, Tex. Trailer having a vertically movable body. 2,577,246, Dec. 4.

Hill, Robert T., Coral Gables, Fla. Electrically heated container for condiment shakers. 2,577,327, Dec. 4.

Hinckley, Harold A., and R. C. Hawkins, Long Beach, Calif. Surgical clamp tool. 2,577,012, Dec. 4.

Hinds, Sherwood, Columbia City, and J. G. Dahlem, assignors to The Wayne Pump Company, Fort Wayne, Ind. Airport fueling mechanism. 2,577,682, Dec. 4.

Hines, Glenn J., Minneapolis, Minn. Time switch attachment for alarm clocks. 2,577,583, Dec. 4.

Hitchens, Aaron L., New Haven, Conn., and F. G. Stroke, Temple, Pa., assignors to Olin Industries, Inc., New Haven, Conn. Welding a bundle of aluminum tubes. 2,577,123, Dec. 4.

Hitchings, George H., Tuckahoe, P. B. Russell, Crestwood, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 2,4-diamino-5 phenyl-6-alkylpyrimidines. 2,576,939, Dec. 4.

Hite, George, Dorchester, and G. E. Whitham, Wollaston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical pulse generating circuit. 2,577,522, Dec. 4.

Hoe, R., & Co., Inc., assignee: *See*—
Albrecht, Alexander J.

Hoehn, Willard M.: *See*—
Goodson, Louis H., Moffett, Stafford, and Hoehn.

Hoffman, Bernard J., Jr., assignee: *See*—
Rios, Kenneth J.

Hoffman, Paul S., assignor to Globe Industries, Inc., Dayton, Ohio. Photoflash control system. 2,577,683, Dec. 4.

Hoffmeister, Robert L., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Adjustable feed mechanism for sewing machines. 2,577,705, Dec. 4.

Hofreiter, Alois, assignor to D. Swarovski Glasfabrik und Tyrolit Schleifmittel-Werke, Wattens Tirol, Austria. Manufacture of meshlike ornamental articles. 2,577,584, Dec. 4.

Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.

Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,577,658, Dec. 4.

Hokanson, E. S., assignee: *See*—
Wolfer, Duane C.

Holcomb, Harry E.: *See*—
McDermott, Paul F., and Holcomb.

Hongell, Eino, Verdun, Quebec, Canada. Coin-controlled liquid dispensing device. 2,577,585, Dec. 4.

Hormel, Geo. A., & Company, assignee: *See*—
Naidu, Pagadam N. E., and Murphy.

Horne, Edmund D., Enfield, Nova Scotia, Canada. Circumferentially traveling type frame mounted tire remover. 2,577,684, Dec. 4.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 2,577,125, Dec. 4.

Horton, William B., Groton, assignor to H. E. Fletcher Company, West Chelmsford, Mass. Hinged sheave construction. 2,577,523, Dec. 4.

Hotten, Bruce W., Richmond, assignor to California Research Corporation, San Francisco, Calif. High melting-high water-resistant grease. 2,577,706, Dec. 4.

Houk, Warren E., assignor to Askania Regulator Company, Chicago, Ill. Restricted butterfly valve. 2,577,657, Dec. 4.

Houle, Joseph R., Victoriaville, Quebec, Canada. Side bracket for bedsprings. 2,577,685, Dec. 4.

Hudig, Joost, Pasadena, Tex., assignor to Shell Development Company, San Francisco, Calif. Fractional distillation process. 2,577,617, Dec. 4.

Hudson, Wilbur G., Chicago, Ill., assignor to Gifford-Wood Company, Hudson, N. Y. Bulk flow conveyer. 2,577,082, Dec. 4.

Hummer, Charles I.: *See*—
Jablonski, Joseph J., and Hummer.

Hunt, William H., National City, Calif., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Filleting fish. 2,577,686, Dec. 4.

Hunter-Douglas Corporation, assignee: *See*—
Brent, George F.

Huppertz, George C., St. Charles, Ill. Multiple control valve. 2,577,524, Dec. 4.

Hutchison, Calvin E., and W. F. Spivey, Jr., Seaside, Oreg. Releasable article carrier. 2,577,464, Dec. 4.

Huye Space Saving Box System Inc., assignee: *See*—
James, Louise.

Hybinette, Sven E.: *See*—
Camin, Etienne L. A., Hybinette, and Taylor.

Hycon Mfg. Company, assignee: *See*—
Akers, Irving W.

Hyde, Benjamin D., Cambridge, assignor to B. B. Chemical Co., Boston, Mass. Machine for stretching and coating webs of sheet material. 2,577,013, Dec. 4.

Hydrocarbon Research, Inc., assignee: *See*—
Garbo, Paul W.

Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Spring balanced receiving conveyer for portable elevators. 2,577,328, Dec. 4.

Hynson, Westcott & Dunning, Incorporated, assignee: *See*—
Brewer, John H.

Ideal Clamp Manufacturing Co., Inc., assignee: *See*—
Zaleske, Michael J.

Ideal Toy Corporation, assignee: *See*—
Baggott, Edmund W.

Ijichi, Kosuke: *See*—
Garibaldi, John A., Ijichi, Lewis, and McGinnis.

Iknayan, Alfred N., and A. B. Clayton, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Apparatus for splicing rubber articles. 2,576,940, Dec. 4.

Illinois Glove Company, assignee: *See*—
Steinle, Edward M.

Illinois Stamping & Mfg. Co., assignee: *See*—
Lundberg, Frank C.

Illinois Tool Works, assignee: *See*—
De Swart, Jan.

Imperial Chemical Industries Limited, assignee: *See*—
Ashcroft, Donald G.
Baird, William, and Crowley.
Baird, William, Parry, and Thompson.

Imse, Philip J., Westfield, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Tool for facilitating the removal of spring clips from sprocket chains and the like. 2,577,193, Dec. 4.

Industrial Tape Corporation, assignee: *See*—
Pike, Charles O., and Bemmels.

Ingalls, Edgar J., Zachary, assignor, by mesne assignments, to G. van N. Foster, Wilson, La. Fertilizer and seed distributor machine. 2,576,941, Dec. 4.

Ingersoll-Rand Company, assignee: *See*—
Anderson, James H.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Buscher, John H.

International Business Machines Corporation, assignee: *See*—
Cheney, Raymond E.
Dickinson, Arthur H.
Lake, Clair D., and Pfaff.
Luhn, Hans P.
Sampson, Richard H.

International Harvester Company, assignee: *See*—
Harstick, William H., and Vogel.
Hyman, Benjamin M.
Karlsson, Elof K., and Aasland.
Mitchell, Melville J.
Mott, Carl W.
Pool, Stuart D., and Titus.
Poynor, Russell R.
Toland, Wayne G.

International Nickel Company Inc., assignee: *See*—
Reid, Frank H.

Irvine, Houston N., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Adjustable concave. 2,577,329, Dec. 4.

Irwin, Emmett M., San Marino, Calif. Method and apparatus for emulsifying fluids. 2,577,247, Dec. 4.

Iwaid, Johan C., Rorosjon, Sweden. Shaft motion mechanism for looms. 2,577,126, Dec. 4.

Jablonski, Joseph J., and C. I. Hummer, Detroit, Mich. Method and apparatus for preparing dental prosthesis. 2,577,420, Dec. 4.

Jacobs, Roy H.: *See*—
Woolson, Ferdinand C., Snyder, and Jacobs.

Jacuzzi Bros., Incorporated, assignee: *See*—
Armstrong, John E., and Jacuzzi.

Jacuzzi, Frank: *See*—
Armstrong, John E., and Jacuzzi.

Jakob, John P., Roselle, N. J., assignor to American Can Company, New York, N. Y. Apparatus for the continuous spraying of individual container bodies. 2,576,942, Dec. 4.

Krueger, Martin C., Idaho Springs, Colo. Selective manual control for automatic change-speed transmissions. 2,577,660, Dec. 4.

Kumpf, George A., Eriton, N. J., assignor to Radio Corporation of America. Antenna. 2,577,469, Dec. 4.

Kupper, William H.: *See*—
Kloski, John F., and Kupper.

Lackey, Homer B., assignor to Crown Zellerbach Corporation, Camas, Wash. Separation of conidendrin from liquors containing the same. 2,577,470, Dec. 4.

La Croix, Henry N., Newark, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Bubble cap. 2,576,946, Dec. 4.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparation of keto-carboxylic acids and their derivativse. 2,577,133, Dec. 4.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Reacting 1-alkene hydrocarbons with an ester typified by diethyl dichloromalonate. 2,577,422, Dec. 4.

Laing, Gordon F., Delavan, Wis., assignor, by mesne assignments, to Economy Fuse and Manufacturing Co., Chicago, Ill. Fuse construction. 2,577,531, Dec. 4.

Lake, Clair D., Binghamton, and W. Pfaff, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Reading unit for small holes. 2,577,083, Dec. 4.

Lambert, Victorine M. M., Tangier, French Morocco, Africa. Double-barrel gun of the swinging barrel type. 2,577,335, Dec. 4.

Lampton, Glen T., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Making propeller blades. 2,577,336, Dec. 4.

Lancaster, Kermit P., Arcadia, Calif. Sprinkler control. 2,577,337, Dec. 4.

Land, Malcolm L., assignor to Elliott Company, Jeannette, Pa. Radial spline impeller drive for turbochargers. 2,577,134, Dec. 4.

Lane, Leslie C., Bethel, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of melamine. 2,577,201, Dec. 4.

Langen, Eugen, Elsdorf, assignor to Pfeifer und Langen, Elsdorf/Rheinland, Germany. Device for extraction of sugar from sugar beet slices. 2,577,135, Dec. 4.

Large, Vernon A., Oakland, Calif. Device for assembling furring nails. 2,577,020, Dec. 4.

Larson, Glen M., Los Angeles, assignor to K. H. Roy, Santa Cruz, Calif. Cream whipper. 2,576,947, Dec. 4.

Lauritsen, Charles C., assignor to California Institute Research Foundation, Pasadena, Calif. Radiation meter. 2,577,253, Dec. 4.

Lavallee, Eugene V.: *See*—
Logan, Joseph A., and Lavallee.

Law, Harry Y., Merced, Calif. Sprocket and roller combination for trussed tracks. 2,577,471, Dec. 4.

Lawson, Shelby D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removing carbon and carbonaceous deposits from heat exchanger equipment. 2,577,254, Dec. 4.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Apparatus for notching can body blanks. 2,577,021, Dec. 4.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Reciprocating strip feeding mechanism. 2,577,084, Dec. 4.

Laystrom, Carl A., Decatur, and H. R. Sigler, Argenta, assignors to Faries Manufacturing Company, Decatur, Ill. Wall mirror. 2,577,661, Dec. 4.

Leach, Barton J., Sutter County, Calif. Bale hoist. 2,577,338, Dec. 4.

Lee, Fred J., Pasadena, Calif. Weed killer. 2,577,687, Dec. 4.

Lee, Joseph O., West Allis, Wis. Ceiling and wall paint applicator. 2,577,339, Dec. 4.

Leicester, Lionel A.: *See*—
Wright, Charles E., and Leicester.

Lenz, Herbert R.: *See*—
Lenz, William A., and H. R.

Lenz, William A., and H. R., Lebanon, Mo. Photoprint washer. 2,577,136, Dec. 4.

Le Roy, Raymond B., United States Navy. Deflection circuit. 2,576,948, Dec. 4.

Levin, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. Adducts of 9,11-oxido-bisnorcholadienic acids. 2,576,949, Dec. 4.

Leviton Manufacturing Company, assignee: *See*—
Worth, Joseph.

Lewis, H. W. Equipment Co., assignee: *See*—
Hill, Arthur T.

Lewis, James C.: *See*—
Garibaldi, John A., Ijichi, Lewis, and McGinnis.

Lewis, William H., State College, Pa., assignor, by mesne assignments, to The Pennsylvania Research Corporation. Circuit for multiple channel recording galvanometers. 2,577,472, Dec. 4.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Browne, Charles M.

Lieberherr, Hans, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Piston ring. 2,577,022, Dec. 4.

Lien, Arthur P., W. J. Zimmerschied, and W. S. Higley, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Separating organic compounds. 2,577,202, Dec. 4.

Lincoln, John C., assignor to Precipitation Control Company, Phoenix, Ariz. Vaporization apparatus. 2,577,023, Dec. 4.

Linda, Frank R.: *See*—
Geimer, William J., and Linda.

Lipe-Rollway Corporation, assignee: *See*—
Mariotte, Eugene S.

Lippmann, Carl E.: *See*—
Marlen, Melvin W., and Lippmann.

Lo, Chien-Pen: *See*—
Croxall, Willard J., and Lo.

Lockhart, Marshall L., assignor to The Compule Corporation, Rutherford, N. J. Hypodermic syringe assemblies, including plural-compartment admixing ampoules for segregated storage of ingredients of liquid medicinal solutions and parts thereof. 2,576,951, Dec. 4.

Lockheed Aircraft Corporation, assignee: *See*—
Simon, Eli, and Thomas.
Sullivan, George C.

Logan, Joseph A., Hadley, and E. V. Lavallee, South Hadley, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Valve stop for hose nozzles. 2,577,255, Dec. 4.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic measured service telephone system. 2,577,688, Dec. 4.

Long, L. D., assignee: *See*—
Cotner, John C.

Longley, Raymond I, Jr.: *See*—
Emerson, William S., and Longley.

Loomis, Lawrence L., assignor of fifty per cent to H. Halverson, Eleva, Wis. Sewer rod reel. 2,577,532, Dec. 4.

Loveridge, Ralph S., Salt Lake City, Utah. Spectacle temple measuring instrument. 2,577,533, Dec. 4.

Low, Frank K., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time-delay circuit. 2,577,137, Dec. 4.

Lowe, Edison, and H. A. Swenson, Berkeley, Calif, assignors to the United States of America as represented by the Secretary of Agriculture. Apparatus for spray coating particles. 2,576,952, Dec. 4.

Lowe, Sydney P., Columbus, Ohio. Brake shoe treating apparatus. 2,577,534, Dec. 4.

Lowell Specialty Company, assignee: *See*—
Winks, John, and Fletcher.

Lucek, Charles W.: *See*—
Fritschl, Walter W., and Lucek.

Lucht, Victor F., Washington, D. C. Actuator for gun firing mechanisms. 2,576,953, Dec. 4.

Lucks, Gustav E., Greenfield Park, N. Y. Air valve for steam systems. 2,576,954, Dec. 4.

Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Low-water-loss cement. 2,576,955, Dec. 4.

Ludwig, Ralph E., Youngsville, and H. L. MacBride, Warren, assignors to National Forge & Ordnance Company, Irvine, Pa. Pipe mold and making the same. 2,577,423, Dec. 4.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Stripping cut and creased sheets. 2,577,424, Dec. 4.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Multi-element code translator. 2,577,085, Dec. 4.

Lukasiewicz, Sigmund J.: *See*—
Brooks, John W., and Lukasiewicz.

Lundberg, Frank C., assignor to Illinois Stamping & Mfg. Co., Chicago, Ill. Sprayer nozzle. 2,577,024, Dec. 4.

Lundberg, Frank C., assignor to Illinois Stamping & Mfg. Co., Chicago, Ill. Foam nozzle attachment for spray guns. 2,577,025, Dec. 4.

Lundqvist, Harald O., Stockholm, Sweden. Vertically adjustable shelving. 2,577,138, Dec. 4.

Lundsted, Lester G., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Polyoxypropylene-benzenesulfonamides. 2,577,256, Dec. 4.

Luttgen, William H.: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.

MacBride, Herbert L.: *See*—
Ludwig, Ralph E., and MacBride.

Macdonald, John G., assignor to The Dominion Road Machinery Co., Limited, Goderich, Ontario, Canada. Road grader. 2,577,340, Dec. 4.

MacGregor Instrument Company, assignee: *See*—
Williams, David C.

Mackenzie, Robert S., North Chelmsford, assignor to H. E. Fletcher Company, Chelmsford, Mass. Stone tracer. 2,577,535, Dec. 4.

MacNichol, Edward F., Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Automatic range tracking circuit. 2,577,536, Dec. 4.

Magill, Frank N., executor: *See*—
Phipps, Charles A.

Magin, August: *See*—
Reppek, Walter, and Magin.

James, Louise, assignor to Huye Space Saving Box System Inc., New Orleans, La. Locking means for boxes. 2,577,248, Dec. 4.

Jannsen, Newman C., Seattle, Wash. Heat exchanger framing for metal boats. 2,577,194, Dec. 4.

Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Rubberlike cured polyesters containing calcium silicate and producing same. 2,577,618, Dec. 4.

Jenett, Caroline L. M., executrix: *See*— Jenett, Henry.

Jenett, Henry, deceased, Montclair, N. J.; C. L. M. Jenett, executrix. Packaging material and packaging. 2,577,249, Dec. 4.

Jenkins, Cecil: *See*— Woolslayer, Homer J., Jenkins, and Luttgen.

Jenks, Frederic A., Rockville Centre, N. Y., assignor to The Sperry Corporation. Wave guide modulation apparatus. 2,576,943, Dec. 4.

Jennings, Andrew B., Edgebrook, and O. W. Murray, Rumson Park, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic element with colloid layer containing color former and nonionic wetting agent. 2,577,127, Dec. 4.

Jewel Tea Co., Inc., assignee: *See*— Owens, Thomas B.

Johns-Manville Corporation, assignee: *See*— McDermott, Paul F., and Holcomb. Powell, Edward R.

Johnson, Axel A., Holly, Mich. Radiator siphon. 2,577,014, Dec. 4.

Johnson, Chester W., Bridgewater, assignor of one-half to Nuproducts Corporation, Cambridge, Mass. Fabric guiding mechanism and feeler control therefor. 2,577,195, Dec. 4.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine-tool control. 2,577,128, Dec. 4.

Johnson, Dale C., Concord, H. L. Warner, Oakland, and A. A. Zambruno, San Mateo, assignors, by mesne assignments, to W. H. Mead, Oakland, Calif. Mold treating apparatus. 2,577,196, Dec. 4.

Johnson, Ivar W.: *See*— Spittler, Eugene R., and Johnson.

Johnson, Wayne R., assignor to E. C. Anthony, Inc., Los Angeles, Calif. Switching system. 2,577,015, Dec. 4.

Johnston, Clair R., Akron, Ohio. Apparatus for digging potatoes and the like. 2,577,525, Dec. 4.

Johnston, Elmer O., Oreana, Idaho. Airplane ground lock. 2,577,330, Dec. 4.

Johnston, Henry E.: *See*— Voegtlin, Elmo N., O'Neal, and Johnston.

Johnston, Jared C., and G. P. Schmitt, New York, N. Y. Back exercising and massaging device. 2,577,129, Dec. 4.

Jones, Andy, E. J. Kessels, and F. A. Ruggles, assignors to Engineered Products, Inc., Denver, Colo. Sandblast gun. 2,577,465, Dec. 4.

Jones, Ira M., assignee: *See*— Brooks, Lewis C.

Jones & Laughlin Steel Corporation, assignee: *See*— Bohlander, Paul T.

Jones, Winfield W., Oceanville, N. J. Joining leaders to fishhoks. 2,577,466, Dec. 4.

Jovan, James, assignee: *See*— Schenk, Theresia, and Sprung.

Joy, Homer V., Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Denture composition containing vinylidene chloride-acrylonitrile copolymer and methyl methacrylate monomer and polymer. 2,576,944, Dec. 4.

Kaiser Aluminum & Chemical Corporation, assignee: *See*— Smith, Arthur D., and Kobrow.

Kalart Company Inc., The, assignee: *See*— Castedello, William.

Kammerer, Gerald P.: *See*— Whipple, Jack Van H., and Kammerer.

Kargl, Gilard, San Antonio, Tex. Bed and cylinder press for super-posed impressions. 2,577,016, Dec. 4.

Karlsson, Elof K., and J. L. Aasland, Moline, Ill., assignors to International Harvester Company. Deflector for wagon elevators. 2,577,331, Dec. 4.

Karpoff, Alex D., assignee: *See*— Moore, Harvey G.

Kawecki Chemical Company, assignee: *See*— Kawecki, Henry C.

Kawecki, Henry C., Fleetwood, assignor to Kawecki Chemical Company, Boyertown, Pa. Production of potassium titanium fluoride. 2,577,130, Dec. 4.

Keck, Ray L.: *See*— Sammis, Louis B., and Keck.

Keight, Albert W., Cumberland, Md., assignor to Celanese Corporation of America. Yarn winding device. 2,577,131, Dec. 4.

Keller, Herman J., Dunedin, Fla. Treatment of citrus fruit. 2,577,421, Dec. 4.

Kellogg, M. W., Company, The, assignee: *See*— Belchetz, Arnold.

Kellogg Switchboard and Supply Company, assignee: *See*— Arthur, Richard P.

Kelly, Ogilvie C., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Mirror mounting and protecting device. 2,577,526, Dec. 4.

Kelly, Walter W., Portland, Oreg., assignor to Food Machinery and Chemical Corporation. Combined pitting and slicing mechanism. 2,577,527, Dec. 4.

Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Preparation of heavy hydrocarbons of hydrogen isotopes. 2,577,017, Dec. 4.

Kendall, Edward C., and G. A. Fleisher, Rochester, Minn., assignors to Research Corporation, New York, N. Y. Δ17,20-pregnenolal derivatives. 2,577,018, Dec. 4.

Kenmore Metals Corporation, assignee: *See*— Camin, Etienne L. A., Hybinette, and Taylor.

Kennedy, Edward P., Berwyn, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Speaker cabinet. 2,577,528, Dec. 4.

Kenoszt, George, Chicago, Ill. Lubricating system. 2,577,658, Dec. 4.

Kern, Theodore: *See*— Gustafsson, Eric, Baur, and Kern.

Kerns, Quentin A., and W. R. Baker, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Pulse transformer. 2,577,707, Dec. 4.

Kerr, Charles E., San Jose, Calif., and R. Elsheimer, Hoopeston, Ill., assignors to Food Machinery and Chemical Corporation. Carton handling machine. 2,577,529, Dec. 4.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation. Green corn cutter. 2,577,530, Dec. 4.

Kessels, Edward J.: *See*— Jones, Andy, Kessels, and Ruggles.

Kesterton, Henry M., Wroxall, England. Control mechanism for variable-speed gears or other purposes. 2,577,019, Dec. 4.

Kibler, Everett L., Pittsburgh, Pa. Model making apparatus. 2,577,250, Dec. 4.

Kienninger, John F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Imbibition printing. 2,577,332, Dec. 4.

King, Floyd D., Phoenix, Ariz. Flower holder. 2,577,251, Dec. 4.

King-Seeley Corporation, assignee: *See*— Darnell, Rex C.

Kinney, Elwin M., Atlanta, Ga. Seat attachment. 2,577,197, Dec. 4.

Kirby-Cogeshall-Steinau Co., assignee: *See*— Steinau, Norvin J.

Kirkpatrick, Joseph R.: *See*— Resek, Marc, Day, and Kirkpatrick.

Kirkpatrick, Willard H., Sugar Land, assignor to Visco Products Company, Houston, Tex. Chemical compositions and the preparation thereof. 2,577,198, Dec. 4.

Kivley, Ray C., Kenmore, assignor to Western Electric Company, Incorporated, New York, N. Y. Wire coating apparatus. 2,577,132, Dec. 4.

Kjellman, Walter, Stockholm, Sweden. Drainage method and device. 2,577,252, Dec. 4.

Klebanoff, Michael: *See*— Blickman, Mannes N., and Klebanoff.

Klingel, Walter C., Basking Ridge, N. J. Plastic rubber compositions. 2,576,945, Dec. 4.

Klopner, Lionel P., Fort Worth, Tex. Ratchet for coin controlled machines. 2,577,199, Dec. 4.

Kloski, John F., Hartford, and W. H. Kupper, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Back spacing mechanism operating means for typewriting or like machines. 2,577,467, Dec. 4.

Klum, Blaine, deceased, and W. Tucker; F. Klum, administratrix of said B. Klum, assignor, by mesne assignments, to W. Tucker, III, Oakland, Calif. Golf club carrier. 2,577,333, Dec. 4.

Klum, Florence, administratrix: *See*— Klum, Blaine, and Tucker.

Knipping, Rainer H., San Antonio, Tex. Garbage incinerator. 2,577,659, Dec. 4.

Knös, Gunnar B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cross-bar switch for automatic telephony. 2,577,468, Dec. 4.

Kobrow, Gustav C.: *See*— Smith, Arthur D., and Kobrow.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic structure for delaying unipolarized waves. 2,577,619, Dec. 4.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyleneoxy-benzyl diaminodiphenyl-sulfone. 2,577,708, Dec. 4.

Kozlowski, Walter, Irvington, assignor of one-half to P. J. Gaylor, Newark, N. J. Micrometer scribing tool. 2,577,334, Dec. 4.

Krause, Richard F., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Coffee basket for drip coffee makers. 2,577,200, Dec. 4.

Kronsis, John L.: *See*— Smith, Stephen H., and Kronsis.

Magnuson, Roy M., Campbell, assignor to Basic Vegetable Products Co., Vacaville, Calif. Onion halving device. 2,577,086, Dec. 4.

Magnusson, Joseph, Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container handling and registering apparatus. 2,577,341, Dec. 4.

Maguire, Harold A., Bedford, Ohio. Tank plug. 2,577,586, Dec. 4.

Mahler, Joseph, Brookline, assignor to American Optical Company, Southbridge, Mass. Light polarizer and making the same. 2,577,620, Dec. 4.

Mailliard, Bernard, Geneva, Switzerland, assignor to Brevets Aero-Mecaniques S. A. Pivoted breech bolt lock for automatic firearms. 2,577,026, Dec. 4.

Main, Ray F.: *See*— Chester, Allan E., Main, and Hansen.

Main, Ray F., and H. F. Hansen, assignors to Acme Steel Company, Chicago, Ill. Electroplating zinc. 2,576,998, Dec. 4.

Malin, Ralph D., East Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Oscillating header tube orchard sprayer. 2,577,537, Dec. 4.

Mancini, Carlo V., deceased, Stratford, Conn.; T. C. Mancini, administrator. Double hung sash. 2,577,342, Dec. 4.

Mancini, Thomas C., administrator: *See*— Mancini, Carlo V.

Manley, Gilbert E.: *See*— Pratt, James H., Manley, and Girling.

Manufacture de Machines du Haut-Rhin, assignee: *See*— Cuttat, Georges E.

Marcox, Jean, Rueil-Malmaison, France. Thermal cutout switches. 2,577,425, Dec. 4.

Marlen, Melvin W., and C. E. Lippmann, St. Louis, Mo., assignors, by mesne assignments, to Ramsey Corporation. Heat-shaping piston rings. 2,577,139, Dec. 4.

Marlen, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing rings and arrangement thereof. 2,577,140, Dec. 4.

Marlotte, Eugene S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Bar feed loader for metal-working machines. 2,577,203, Dec. 4.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Coating composition comprising the reaction product of vinyl esters of tall oil acids with styrene and an isopropenyl compound, and the preparation. 2,577,709, Dec. 4.

Martin, Thomas C., Natick, Mass. Weighted figure toy. 2,577,343, Dec. 4.

Masure, Ramona D., Jacksonville, Fla. Narcotic dispenser. 2,577,344, Dec. 4.

Matthews, Louis L., assignor to Maxson Automatic Machinery Company, Westerly, R. I. Feeding and stacking method and machine. 2,576,956, Dec. 4.

Mattikow, Morris, New York, N. Y. Refining of animal and vegetable oils. 2,576,957, Dec. 4.

Mattikow, Morris, New York, N. Y. Refining of animal and vegetable oils. 2,576,958, Dec. 4.

Mauchly, John W., Philadelphia, and J. P. Eckert, Jr., Mount Airy, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Data translating apparatus. 2,577,141, Dec. 4.

Maui Pineapple Company, Limited, assignee: *See*— Bainbridge, Marvin, Tuttle, Baldwin, and Sheffield.

May, Geoffrey B., and J. W. Fisher, Spondon, near Derby, England, assignors to Celanese Corporation of America. 1,4-bis-(3-aminopropoxy)-cyclohexane. 2,576,959, Dec. 4.

May, Geoffrey B., and J. W. Fisher, Spondon, near Derby, England. Production of polyamides of high molecular weight utilizing 1:4-bis(3-aminopropoxy)-cyclohexane. 2,577,621, Dec. 4.

McAvoy, Frank E., Teaneck, N. J., assignor to J. Milton, Jr., as trustee. Electrical indicating target. 2,576,960, Dec. 4.

McCanna, Louis A.: *See*— Pauley, Robert D., and McCanna.

McCarthy, John F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread waxing device. 2,576,961, Dec. 4.

McCullough, William E., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Red brass, capable of being hot-worked. 2,577,428, Dec. 4.

McDermott, Mary, administratrix: *See*— McDermott, Paul F., and Holcomb.

McDermott, Paul F., deceased, Martinsville; by M. McDermott, administratrix, Plainfield, N. J., and H. E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y. Insulating covering. 2,577,427, Dec. 4.

McDonough, Everett G., Yonkers, N. Y., assignor, by mesne assignments, to The Procter and Gamble Company, Cincinnati, Ohio. Permanent waving compositions and methods. 2,577,710, Dec. 4.

McDonough, Everett G., Yonkers, N. Y. Permanent waving compositions and methods. 2,577,711, Dec. 4.

McDonough, John J., Belmont, assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular multi-feed hosiery knitting machine and operating same. 2,576,962, Dec. 4.

McElroy, George S., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for producing fibers. 2,577,204, Dec. 4.

McEwen, Floyd L., assignor of two-thirds to F. Barnes and J. B. Mitchell, Corinth, Miss. Mechanical prophylactic. 2,577,345, Dec. 4.

McEwen, Norman S., Fort Lauderdale, Fla. Wire garment hanger. 2,577,473, Dec. 4.

McGill Manufacturing Company, Inc., assignee: *See*— Popp, Rudolf.

McGuinness, Walter L., Waltham, Mass. Traction providing device for automobile tires and the like. 2,577,142, Dec. 4.

McGinnis, James: *See*— Garibaldi, John A., Ijichi, Lewis, and McGinnis.

McHale, Michael J., Scranton, Pa. Flier construction. 2,577,346, Dec. 4.

McHale, Michael J., Scranton, Pa. Flier construction. 2,577,347, Dec. 4.

McLaughlin, Kenneth P., Wichita, Kans. Door lift. 2,577,348, Dec. 4.

McLeod, Roderick C., Cropston, assignor to Power Jets (Research & Development) Limited, London, England. Apparatus for controlling one hydraulic pressure in accordance with another. 2,577,027, Dec. 4.

McMahon, Jerome B.: *See*— Abbott, Thomas A., and McMahon.

McMorrow, Charles A., assignor to R. M. McMorrow, Chicago, Ill. Colostomy screen stand. 2,577,028, Dec. 4.

McMorrow, Rose M., assignee: *See*— McMorrow, Charles A.

McNabb, Walter J., assignor, by mesne assignments, of one-half to W. R. Cochrane, Delhi, Calif. Crib. 2,577,257, Dec. 4.

Mead, William H., assignee: *See*— Johnson, Dale C., Warner, and Zambruno.

Meeks, Woodrow W., El Dorado, Ark. Dice shaking apparatus. 2,577,087, Dec. 4.

Meili, Ernst, Bad Ragaz, Switzerland. Remote-control device. 2,577,662, Dec. 4.

Melita, Sebastiano, Philadelphia, Pa. Pressure actuated coffee maker. 2,577,088, Dec. 4.

Meranda, Orville O., Spokane, Wash. Oil waste retainer for railroad journal boxes. 2,577,622, Dec. 4.

Merz, Victor, Burton-upon-Trent, England. Recovering wax from sugar cane. 2,577,587, Dec. 4.

Mesch, Orwar S. A.: *See*— Coyne, Howard L., Fessler, Hampton, Mesch, and Thompson.

Meuller, Karl H., and H. V. Törnebohm, assignors to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Spherical bore gauge. 2,577,262, Dec. 4.

Meyer, Fred J., and G. K. Hammond, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Producing a fabric construction for reinforcing plastics and product. 2,577,205, Dec. 4.

Micamold Radio Corporation, assignee: *See*— Di Giacomo, Aniello.

Midland, Thor, Brooklyn, N. Y. Combined fishline sinker and hook spreader. 2,577,143, Dec. 4.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Production of vitamin-A ethers and esters. 2,577,538, Dec. 4.

Miller, Francis B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Alternating-current welder. 2,577,258, Dec. 4.

Miller, Harold D.: *See*— Eltel, William W., and Miller.

Miller, Jo Z., III, trustee, assignee: *See*— Pro, George M.

Miller, Roy G., Tacoma, Wash. Valve lifter. 2,577,474, Dec. 4.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Trigger operated pulse amplitude selector. 2,577,475, Dec. 4.

Millington, John, Valparaiso, Nebr. Pencil calendar. 2,577,259, Dec. 4.

Milton, John, Jr., trustee, assignee: *See*— McAvoy, Frank E.

Minneapolis-Honeywell Regulator Company, assignee: *See*— Thorsheim, Joseph O.

Minster Machine Company, The, assignee: *See*— Wissman, Reuben E.

Mitchell, Joe B., assignee: *See*— McEwen, Floyd L.

Mitchell, Melville J., Highland Park, Ill., assignor to International Harvester Company. Corn-shelling attachment for two-row corn pickers. 2,577,349, Dec. 4.

Moffett, Robert B.: *See*— Goodson, Louis H., Moffett, Stafford, and Hoehn.

Mohr, Joseph S., Chicago, Ill., assignor to General Refractories Company, Philadelphia, Pa. Open-hearth furnace roof construction. 2,577,428, Dec. 4.

Mondy, Peter, assignor to Burroughs Adding Machine Company, Detroit, Mich. Adjustable back rest for chairs. 2,577,089, Dec. 4.

Monsanto Chemical Company, assignee: *See*— Barrett, Gerald R. Dunlop, Richard D. Emerson, William S., and Longley. Fraser, George L., and Park. Hamm, Philip C. Kosmin, Milton. Marling, Paul E. Niles, George E.

Montante, Armand, assignee: *See*—
Svirsky, Bennett.
Montclair Research Corporation, assignee: *See*—
Joy, Homer van B.
Moore Business Forms, Inc., assignee: *See*—
Bright, Maxel L.
Moore, Harvey G., Rochester, N. Y., assignor to A. D. Karpoff, Boston, Mass., doing business as American Muffler Co. Carburetor choke mechanism. 2,577,260, Dec. 4.
Moore, Lee C., Corporation, assignee: *See*—
Campbell, Erwin A.
Woolslayer, Homer J., Jenkins, and Luttgen.
Moorehead, Clyde C., Waco, Tex. Toggle clamp with an adjustable pivot. 2,577,029, Dec. 4.
Morin, George G., South Hadley Falls, assignor to Morin Manufacturing Company, Incorporated, Holyoke, Mass. Control for grapples. 2,577,689, Dec. 4.
Morin, Louis H., Bronx, N. Y. Forming die cast products. 2,577,350, Dec. 4.
Morin Manufacturing Company, Incorporated, assignee: *See*—
Morin, George C.
Morway, Arnold J.: *See*—
Young, David W., and Morway.
Moser, Rudolf, Lyss, assignor to Beweg A.-G., Berne, Switzerland. Machine for inserting supplements into signatures. 2,577,261, Dec. 4.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Remote motor control. 2,577,351, Dec. 4.
Mueller, Camillo J., New York, N. Y. Extraction apparatus. 2,577,429, Dec. 4.
Mueller, Raymond W., Baltimore, and R. Stech, Govans, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for gauging the lengths of articles. 2,577,144, Dec. 4.
Muirhead and Company Limited, assignee: *See*—
Davidson, James A. B.
Mulder, Johannes G. W., and F. M. Penning, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a glow discharge tube. 2,577,352, Dec. 4.
Murphy, Laurence W.: *See*—
Naidu, Pagadam N. E., and Murphy.
Murphy, Leo G., executor: *See*—
Proff, Philip H.
Murphy, Leo H., assignee: *See*—
Proff, Philip H.
Murray, Otis W.: *See*—
Jennings, Andrew B., and Murray.
Myers, Stanley C., Miami, Fla. Automobile luggage device. 2,577,263, Dec. 4.
Naidu, Pagadam N. E., Waukegan, Ill., and L. W. Murphy, Austin, Minn.; said Naidu assignor to Abbott Laboratories, North Chicago, Ill., and said Murphy assignor to Geo. A. Hormel & Company, Austin, Minn. Producing fibrin from whole blood. 2,577,353, Dec. 4.
Nashley, Alvin, New York, N. Y. Laminated material and making the same. 2,577,476, Dec. 4.
National Cash Register Company, The, assignee: *See*—
Zurbuchen, Louis E.
National Forge & Ordnance Company, assignee: *See*—
Ludwig, Ralph E., and MacBride.
National Lead Company, assignee: *See*—
Beals, Malcolm D., and Blair.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Hiatt, Verl H.
Nearing, Allan B., and E. U. Sandin, West Hartford, Conn. Coupling device. 2,577,145, Dec. 4.
Nelson, Karl J.: *See*—
Rex, Walter A., and Nelson.
Nelson, Vernon: *See*—
Corl, Oliver A., Jr., and Nelson.
Neumann, Arthur E., Chicago, Ill. Transparent luminescent object. 2,577,030, Dec. 4.
Newcomer, Martin, Cheshire, assignor to Olin Industries, Inc., New Haven, Conn. Bonded unhexed tubes. 2,577,124, Dec. 4.
Newsom, Earl G., Dayton, Ohio. Radio distance measuring system. 2,576,963, Dec. 4.
Nichols Engineering & Research Corp., assignee: *See*—
Clift, Mortimer A.
Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Tetracyanoethyl benzoguanamine. 2,577,477, Dec. 4.
Nihon, Alexis, Montreal, Quebec, Canada. Window ventilator. 2,577,623, Dec. 4.
Niles-Bement-Pond Company, assignee: *See*—
Siebenthaler, David H.
Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Mineral-coated paper and producing same. 2,577,624, Dec. 4.
Nilson, Clifton N., assignor to Cheney Bigelow Wire Works, Springfield, Mass. Apparatus for controlling freeness of papermaking stock. 2,577,712, Dec. 4.
Nogle, James E., Jacksonville Beach, Fla. Portable gun rack. 2,577,713, Dec. 4.
Nordin, Nils A., Anchorage, Territory of Alaska. Ice creeper. 2,577,478, Dec. 4.
North American Aviation, Inc., assignee: *See*—
Fox, Lawrence H. E.
Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Method of and system for modulating microwave energy. 2,577,146, Dec. 4.
Nu Pocket Method Company, assignee: *See*—
Falk, Irving M.
Nuproducts Corporation, assignee: *See*—
Johnson, Chester W.
Oakes, George W., Crystal City, Mo. Trap. 2,577,354, Dec. 4.
Oberman, Roelof M. M., and A. Snijders, The Hague, Netherlands. Arrangement for the indentification of potential differences. 2,577,147, Dec. 4.
Oilgear Company, The, assignee: *See*—
Grad, Adolf.
Oldbury Electro-Chemical Company, assignee: *See*—
Pernert, John C.
Olin Industries, Inc., assignee: *See*—
Hitchens, Aaron L., and Stroke.
Newcomer, Martin.
Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse forming and shaping circuits. 2,577,355, Dec. 4.
Olson, Louis S., deceased, Grafton, N. Dak.; S. N. Olson, administrator. Mailbox positionable wire letter holder. 2,576,964, Dec. 4.
Olson, Selmer N., administrator: *See*—
Olson, Louis S.
O'Neal, Cleon D.: *See*—
Voegtlin, Elmo N., O'Neal, and Johnston.
Oppegaard, Parnell H., McIntosh, Minn. Tractor operated straw sweeper. 2,577,264, Dec. 4.
Orazi, Paolo, Brescia, Italy. Slow descent device for aircraft. 2,577,031, Dec. 4.
Otallah, Gustandy, Detroit, Mich. Cigarette humidifier. 2,577,356, Dec. 4.
Ottolenghi, Arturo B., assignor to Wedekind & C., Genoa, Italy. Evaporating plant operating by thermo-compression. 2,577,090, Dec. 4.
Owen, George E., Downey, and H. L. Brendt, Long Beach, Calif. Safety device for polish rod mountings of deep well pumps. 2,577,479, Dec. 4.
Owens-Corning Fiberglas Corporation, assignee: *See*—
McElroy, George S.
Meyer, Fred J., and Hammond.
Slayter, Games.
Slayter, Games, and Fletcher.
Owens, Thomas B., Barrington, assignor to Jewel Tea Co., Inc., Chicago, Ill. Indicator. 2,577,663, Dec. 4.
Pacent, Louis G.: *See*—
Schultz, Mortimer L., Pacent, and Batcher.
Packard Motor Car Company, assignee: *See*—
Clifton, Robert P.
Frailing, Le Roy H.
Padevco, Inc., assignee: *See*—
Wilmotte, Raymond M., and Castle.
Page, Herbert E., Dayton, Ohio. Hydraulic bumper jack. 2,577,539, Dec. 4.
Page, John E., West Cornwall, Conn., assignor, by mesne assignments, to Gibson Patent Containers, Ltd. Container construction. 2,577,148, Dec. 4.
Page, Joseph H., assignor of forty-five per cent to J. M. Walker and ten per cent to S. M. Hattaway, Houma, La. Retractible side wall core barrel. 2,577,625, Dec. 4.
Paige, Richard E., New York, N. Y. Double-walled collapsible carton. 2,577,588, Dec. 4.
Palmgren, Nils A., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Double-row roller bearing. 2,577,589, Dec. 4.
Park, Harold F.: *See*—
Fraser, George L., and Park.
Parker, William R., San Francisco, Calif. Thimble guide valve. 2,576,965, Dec. 4.
Parry, Edryd G.: *See*—
Baird, William, Parry, and Thompson.
Paschis, James A., Sr., assignee: *See*—
Paschis, Victoria S.
Paschis, Victoria S., assignor of one-half to J. A. Paschis, Sr., East Vandergrift, Pa. Pie edge crimper. 2,577,032, Dec. 4.
Pasquesi, Battista, assignor of one-half to A. Giorgi, Highwood, Ill. Comb for hair clippers. 2,577,357, Dec. 4.
Patterson, Luther E., Covington, assignor of one-half to C. D. Gist, Dayton, Ohio. Woodworking machine with a swingably adjustable tool spindle. 2,577,206, Dec. 4.
Pauley, Robert D., and L. A. McCanna, assignors to Weyerhaeuser Timber Company, Longview, Wash. Barking logs. 2,576,966, Dec. 4.
Pauley, Robert D., Longview, and L. A. McCanna, Spokane, assignors to Weyerhaeuser Timber Company, Longview, Wash. Apparatus for removing bark from logs. 2,576,967, Dec. 4.
Payne, Leonard S., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Liquid gauging device. 2,577,590, Dec. 4.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 2,577,265, Dec. 4.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster tube frame. 2,577,266, Dec. 4.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yarn guard for Axminster tube frames. 2,577,267, Dec. 4.

Pelouch, James J.: *See*—
Schultz, Paul I., and Pelouch.
Pelouch, James J., assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Axle engaging means for vehicle hoists. 2,577,376, Dec. 4.
Pelton, John F., Kenmore, and T. F. Hart, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Corundum phonograph needle and sound reproducing apparatus embodying same. 2,577,149, Dec. 4.
Penning, Frans M.: *See*—
Mulder, Johannes G. W., and Penning.
Pennsylvania Research Corporation, The, assignee: *See*—
Lewis, William H.
Perfection Stove Company, assignee: *See*—
Resek, Marc, Day, and Kirkpatrick.
Pernert, John C., assignor to Oldbury Electro-Chemical Company, Niagara Falls, N. Y. Production of phosphorus oxysulfides. 2,577,207, Dec. 4.
Peterson, Albert C., Park Ridge, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Needle feed sewing machine. 2,577,430, Dec. 4.
Peterson, Charles D., assignor to Universal Controls Corporation, Dallas, Tex. Gas service pressure regulator. 2,577,480, Dec. 4.
Peukert, Theodore J., Los Angeles, Calif. Liquid level control for volatile liquids. 2,577,358, Dec. 4.
Pfaff, Wesley: *See*—
Lake, Clair D., and Pfaff.
Pfeifer und Langen, assignee: *See*—
Langen, Eugen.
Phelps, Sydney A. F.: *See*—
Calcutt, William H., and Phelps.
Philco Corporation, assignee: *See*—
Voegtlin, Elmo N., O'Neal, and Johnston.
Phillips, Cecil, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preventing corrosion of metals. 2,577,626, Dec. 4.
Phillips Petroleum Company, assignee: *See*—
Crouch, Willie W.
Lawson, Shelby D.
Sailors, Howard R.
Weber, Louis J.
Phipps, Carolyn M., assignee: *See*—
Phipps, Charles A.
Phipps, Charles A., deceased, Hartsdale, N. Y.; F. N. Magill, executor, assignor to C. M. Phipps, Hartsdale, N. Y. Apparatus for heat transfer between fluids. 2,577,359, Dec. 4.
Piechaczek, Alojzy, Glasgow, Scotland. Surgical injection apparatus. 2,577,481, Dec. 4.
Pike, Charles O., Highland Park, and C. W. Bemmels, Milltown, N. J., assignors to Industrial Tape Corporation. Pressure-sensitive adhesives. 2,576,968, Dec. 4.
Pincus, Alexis G., assignor to American Optical Company, Southbridge, Mass. Glass composition and making same. 2,577,627, Dec. 4.
Pioneer Heddle and Reed Company, Incorporated, assignee: *See*—
Suchke, Frederick M.
Platers & Stampers Limited, assignee: *See*—
Crandell, Purley A.
Pledger, William A., San Francisco, Calif. Kitchen stove ventilator. 2,577,150, Dec. 4.
Pneumatic Scale Corporation, Limited, assignee: *See*—
Magnusson, Joseph.
Vergobbi, John G.
Poganski, Charles L., St. Cloud, Minn. Implement for use in trimming Christmas trees with tinsel. 2,577,360, Dec. 4.
Polymer Corporation, Limited, assignee: *See*—
Watson, William H.
Ponte, Maurice, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Television system. 2,577,628, Dec. 4.
Pool, Stuart D., and R. D. Titus, Moline, Ill., assignors to International Harvester Company. Ball pump. 2,577,361, Dec. 4.
Poor & Company, assignee: *See*—
Chester, Allan E.
Chester, Allan E., Main, and Hansen.
Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Switch pull mechanism. 2,577,362, Dec. 4.
Porter, Glenn M., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Covering box dumper. 2,577,091, Dec. 4.
Porter, H. K., Inc., assignee: *See*—
Tibbetts, Willis F.
Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifying apparatus. 2,577,151, Dec. 4.
Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide T bridge detecting apparatus. 2,577,540, Dec. 4.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for the manufacture of mineral wool. 2,577,431, Dec. 4.
Power Jets (Research & Development) Limited, assignee: *See*—
McLeod, Roderick C.
Walker, Daniel N.
Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus. 2,577,152, Dec. 4.
Poynor, Russell R., Canton, Ill., assignor to International Harvester Company. Mulch-tiller-planter. 2,577,363, Dec. 4.
Pratt, George H.: *See*—
Adams, Clarence H., and Pratt.
Pratt, Jack M., Oklahoma City, Okla. Price tag holder. 2,576,950, Dec. 4.
Pratt, James H., Wythall, G. E. Manley, Norton Curlieu, and A. H. G. Girling, Redgrave, Diss, assignors to Girling Limited, Tyseley, Birmingham, England. Master cylinder for hydraulic transmission systems. 2,577,153, Dec. 4.
Precipitation Control Company, assignee: *See*—
Lincoln, John C.
Precision Shapes, Inc., assignee: *See*—
Fassnacht, Paul H.
Pro, George M., assignor to J. Z. Miller, III, Kansas City, Mo., trustee. Discharge nozzle for hydrating cementitious substances under pressure. 2,577,664, Dec. 4.
Procter and Gamble Company, The, assignee: *See*—
McDonough, Everett G.
Proff, Harold Phillip, assignee: *See*—
Proff, Philip H.
Proff, Philip H., deceased, Augusta, Mont.; L. G. Murphy, executor, assignor of 95 percent to H. P. Proff, Olympia, and M. M. Schmitz, Seattle, Wash., and 5 percent to L. H. Murphy, Choteau, Mont. Battery cable clamp. 2,577,714, Dec. 4.
Provost, Raoul L., Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y. Polyethylene polyamine activated organic peroxide catalyzed synthetic rubber emulsion polymerizations. 2,577,432, Dec. 4.
Putnam, Robert C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tanning of hides and skins with formals. 2,577,033, Dec. 4.
Quinlan, John H., St. Paul, Minn. Doorway gate. 2,577,034, Dec. 4.
Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Storage tank liquid level measuring device. 2,577,629, Dec. 4.
Radio Corporation of America, assignee: *See*—
Bliss, Warren H.
Borden, Clifford C., Sr.
Coleman, John H.
Duke, Vernon J.
Fernsler, George L.
Hansell, Clarence W.
Kumpf, George A.
Miller, William A.
Norton, Lowell E.
Rose, Albert.
Rosencrans, Charles A.
Smith, Arthur L. J.
Sziklai, George C.
Tolson, William A.
Raetsch, Bruno A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for profiling articles. 2,577,154, Dec. 4.
Ramsey Corporation, assignee: *See*—
Dunsford, Mortimer C.
Marien, Melvin W.
Marien, Melvin W., and Lippmann.
Ranseen, Mauritz C., Minneapolis, Minn. Device for displaying merchandise. 2,576,969, Dec. 4.
Rasinen, Veikko V. K., Muukkiniemi, Finland. Furnace baffle for removal of fly ash. 2,577,268, Dec. 4.
Ray, Felbert A., Stephenville, Tex. Awning structure. 2,577,482, Dec. 4.
Raytheon Manufacturing Company, assignee: *See*—
Faulk, Donald P.
Reach, Milton B., Springfield, Mass. Field for playing golf. 2,577,690, Dec. 4.
Reconstruction Finance Corporation, assignee: *See*—
Saul, Samuel, Jr.
Recordgraph Corporation, assignee: *See*—
Smith, Thomas C., Hart, and Freer.
Redin, Clifton W., Rockford, Ill., assignor to Bradley Lumber Company of Arkansas, Warren, Ark. Machine for making wood flooring blocks. 2,577,630, Dec. 4.
Reid, Frank H., Hounslow, England, assignor to The International Nickel Company Inc., New York, N. Y. Rhodium plating. 2,577,364, Dec. 4.
Reid, Frank H., Hounslow, England, assignor to The International Nickel Company Inc., New York, N. Y. Rhodium plating. 2,577,365, Dec. 4.
Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Universal phonograph turntable. 2,577,035, Dec. 4.
Reid, William R., Jr., assignor to The Upjohn Company, Kalamazoo, Mich. 3-(methylpyrrolidyl-1)propyl para-(delta 2)-cyclohexenyloxybenzoates and salts thereof. 2,576,970, Dec. 4.
Reiss, Ernest, Brookline, and H. R. Gewertz, Cambridge, assignors to Development & Design, Inc., Boston, Mass. Machine for displaying rugs. 2,577,366, Dec. 4.

Reppe, Walter, Ludwigshafen on the Rhine, and A. Magin, Mutterstadt/Pfalz, Germany. Production of ketonic bodies. 2,577,208, Dec. 4.

Research Corporation, assignee: *See*—
Farrall, Arthur W.
Kendall, Edward C., and Fleisher.
Milas, Nicholas A.

Resek, Marc, Cleveland Heights, W. M. Day, Parma Heights, and J. R. Kirkpatrick, South Euclid, assignors to Perfection Stove Company, Cleveland, Ohio. Plural Compartment oven light with door operated switch. 2,577,541, Dec. 4.

Rex, Charles H., Marblehead, Mass., assignor to General Electric Company. Electric switching system. 2,577,155, Dec. 4.

Rex, Walter A., Westfield, and K. J. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Manufacture of microspheroidal gel particles. 2,577,631, Dec. 4.

Rheiner, Alfred, and W. Hagenbuch, assignors to Sandoz, A. G., Basel, Switzerland. Electrical insulating material. 2,577,715, Dec. 4.

Richardson, Henry M., Springfield, and F. E. Wiley, Leominster, Mass., assignors to De Bell & Richardson, Inc., Hazardville, Conn. Flameless hot gas torch. 2,577,269, Dec. 4.

Riley, Philip A., Dayton, assignor to The Dolly Toy Company, Tipp City, Ohio. Character picture. 2,577,270, Dec. 4.

Rios, Kenneth J., assignor of one-half to B. J. Hoffman, Jr., Los Angeles, Calif. Infrared release of water of crystallization. 2,577,209, Dec. 4.

Robb, John F., Cleveland Heights, Ohio, assignor to Good Humor Corporation, Brooklyn, N. Y. Machine for coating confection bodies. 2,577,433, Dec. 4.

Robertson, Nat C., Corpus Christi, Tex., assignor to Celanese Corporation of America. Separation process. 2,577,156, Dec. 4.

Roblin, Richard O., Jr.: *See*—
Clapp, James W., and Roblin.

Rockwell Manufacturing Company, assignee: *See*—
Sward, Delbert F.

Rockwood Sprinkler Company, assignee: *See*—
Freeman, Howard G.

Roebuck, Alvah C., Jr., Tujunga, and A. T. Arnold, La Crescenta, Calif. Container with bottom dispensing rotor. 2,577,036, Dec. 4.

Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Supplying plasticizable carbonaceous solids into a gasification zone. 2,577,632, Dec. 4.

Rogers, Paul M., Balboa Island, Calif. Manufacture of mops. 2,577,037, Dec. 4.

Röhm & Haas Company, assignee: *See*—
Bortnick, Newman M.
Croxall, Willard J., and Lo.
Niederhauser, Warren D.

Rolfson, Francis B.: *See*—
Garrison, Albert H., and Rolfson.

Ronson Art Metal Works, Inc., assignee: *See*—
Harris, Alexander, Aronson, and Burchett.

Roosdorp, Hermanus J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Self-compensating measuring bridge circuit having automatic control and/or alarm. 2,577,483, Dec. 4.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Television color picture tube. 2,577,038, Dec. 4.

Rosenbaum, William C., Ferguson, Mo. Flow system and valve structure therefor. 2,577,434, Dec. 4.

Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Dielectric wave guide closure. 2,577,158, Dec. 4.

Ross, Loren A., Richmond, Calif. Socket wrench turning device. 2,577,157, Dec. 4.

Roth, Barbara, Middlesex Borough, N. J., assignor to American Cyanamid Company, New York, N. Y. Substituted pteridines and preparing the same. 2,577,039, Dec. 4.

Roudaut, Jean, New York, N. Y., assignor to Chatham Electronics Corporation, Newark, N. J. Friction generator. 2,577,542, Dec. 4.

Roy, Kurt H., assignee: *See*—
Larson, Glen M.

Royal Typewriter Company, Inc., assignee: *See*—
Kloski, John F., and Kupper.

Ruggles, Ferris A.: *See*—
Jones, Andy, Kessels, and Ruggles.

Rule, Joseph M., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing stable silica. 2,577,484, Dec. 4.

Rule, Joseph M., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making stable silica sols and resulting composition. 2,577,485, Dec. 4.

Ruska, Walter, Houston, Tex. Bottom hole sampler. 2,577,210, Dec. 4.

Russell, Gwyn E., Riverside, Calif. Digging machine. 2,577,271, Dec. 4.

Russell, Peter B.: *See*—
Hitchings, George H., Russell, and Falco.

Rust, Mack D., Coalinga, Calif. Cotton-picking machine doffer. 2,577,367, Dec. 4.

Rypel, Rupert: *See*—
Rypel, Stanley A. and R.

Rypel, Stanley A. and R., Milwaukee, Wis. Fountain comb. 2,577,665, Dec. 4.

Saad, Theodore S., West Roxbury, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Power measuring system. 2,577,543, Dec. 4.

Safety Car Heating & Lighting Co., Inc., The, assignee: *See*—
Von Ohlsen, Louis H.

Sagenkahn, Malcolm L.: *See*—
Deming, Philip H., and Sagenkahn.

Sager, Frank, Ahmeek, Mich. Multiple coin-operated phonograph controls. 2,577,272, Dec. 4.

Sailors, Howard R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of a supported aluminum-halide-carbon catalyst. 2,577,591, Dec. 4.

Sainz, Joseph J., New York, N. Y. Brake adjuster. 2,576,971, Dec. 4.

Sammis, Louis B., and R. L. Keck, Wallace, Calif. Apparatus for processing olives. 2,577,273, Dec. 4.

Sampson, Richard H., Plainfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Record controlled alphabetic printing machine. 2,577,092, Dec. 4.

Sampson, Robert W., Wilmington, Del., assignor to Sampson Rubber Products Corporation of Delaware. Pneumatic cushion. 2,577,274, Dec. 4.

Sampson Rubber Products Corporation of Delaware, assignee: *See*—
Sampson, Robert W.

Samson, Blennard and W. C., Dunedin, Otago, New Zealand. Method of and apparatus for making concrete roofing tiles or the like. 2,577,275, Dec. 4.

Samson, William C.: *See*—
Samson, Blennard and W. C.

Sandin, Edward U.: *See*—
Nearing, Allan B., and Sandin.

Sandoz, A. G., assignee: *See*—
Rheiner, Alfred, and Hagenbuch.

Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Mine car sealing device. 2,577,040, Dec. 4.

Sanford Investment Company, The, assignee: *See*—
Sanford, Hugh W.

Sangamo Electric Company, assignee: *See*—
Downing, William C., Jr., Eggleston, and Vanderleck.

Sankey-Sheldon Limited, assignee: *See*—
Weller, Jack.

Saul, Samuel, Jr., Pittsburgh, Pa., assignor to Reconstruction Finance Corporation, Cleveland, Ohio. Pallet rack. 2,577,276, Dec. 4.

Sax, Karl J.: *See*—
Bernstein, Seymour, and Sax.

Schaetzle, Jacob, Pittsburgh, Pa. Adjustable plug gauge. 2,577,633, Dec. 4.

Scharf, Murray M., Bellwood, Ill. Treatment of processed pickles. 2,577,211, Dec. 4.

Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Recovery of hydrocarbons from gaseous streams. 2,577,634, Dec. 4.

Schenk, Hans, assignee: *See*—
Schenk, Theresia, and Sprung.

Schenk, Theresia, and M. Sprung, assignors of one-half to H. Schenk, Graz, Austria, and one-half to J. Jovan, Chicago, Ill. Fecundity calendar. 2,577,544, Dec. 4.

Schenley Industries, Inc., assignee: *See*—
Donnelly, Joseph B.

Scheuerlein, John E., Saginaw, Mich. Device for tightening wire. 2,577,212, Dec. 4.

Schieffelin & Co., assignee: *See*—
Silverman, Milton.

Schmitt, George P.: *See*—
Johnston, Jared C., and Schmitt.

Schmitz, Margaret M., assignee: *See*—
Proff, Philip H.

Schott, Harold C., assignee: *See*—
Pelouch, James J.
Schultz, Paul I., and Pelouch.
Snider, Theodore O.

Schultz, Howard L.: *See*—
Cooper, Harold S. G., and Schultz.

Schultz, Mortimer L., Plainfield, N. J., L. G. Pacent, Little Neck, and R. R. Batcher, Douglaston, N. Y., assignors to C. Doerr, Newark, N. J., as trustee. Color television receiving apparatus. 2,577,368, Dec. 4.

Schultz, Paul I., and J. J. Pelouch, assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Housing for vehicle hoists. 2,577,378, Dec. 4.

Schulz, Richard E., and A. W. Chriscaden, Saginaw, Mich., assignors to Wickes Bros. Hydraulic steady rest. 2,577,277, Dec. 4.

Schurecht, Harry G., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Ceramic insulator for spark plugs. 2,577,369, Dec. 4.

Schwalbe, Franz G., assignor to Toledo Engineering Company Inc., Toledo, Ohio. Resilient work support for glass marking or cutting machines. 2,577,486, Dec. 4.

Scott & Williams, Incorporated: *See*—
McDonough, John J.

Searle, G. D., & Co., assignee: *See*—
Cusic, John W.
Ensor, Elwood H., and Speer.

Seferow, Peter, New York, N. Y. Drawing board. 2,577,159, Dec. 4.

Sellers, John K., Warren, Ariz. Device for holding and desiccating smoking pipes. 2,577,278, Dec. 4.

Serdynsky, Eugene D., J. S. Gowing, and R. M. Wiley, Midland, and C. B. Havens, Hope, assignors to The Dow Chemical Company, Midland, Mich. Polymeric vinylidene chloride compositions. 2,577,635, Dec. 4.

Serota, Rudolph M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combined inductor and work-supporting means. 2,577,487, Dec. 4.

Seymour, Raymond B., assignor to the Industrial Research Institute of the University of Chattanooga, Chattanooga, Tenn. Reaction products of (A) copolymers of maleic anhydride and monovinyl compounds and (B) chlorophenols or nitrophenols. 2,577,041, Dec. 4.

Shannon, Jack F.: *See*—
Grossman, Paul R., and Shannon.

Sheffield, Eugene S., Jr.: *See*—
Bainbridge, Marvin, Tuttle, Baldwin, and Sheffield.

Shell Development Company, assignee: *See*—
Clayton, Max L.
Deming, Philip H., and Sagenkahn.
Fay, Charles H.
Garrison, Albert H., and Rolfson.
Hudig, Joost.
Van der Waarden, Mathijs.
Wachter, Aaron, and Stillman.

Shelton, Harry J., Jr., Ladue, assignor to Gruendler Crusher and Pulverizer Co., St. Louis, Mo. Grinding machine. 2,577,716, Dec. 4.

Sherman, Ralph W., Montclair, N. J. Composite stencil and folder. 2,576,972, Dec. 4.

Shiepe, Edward M., Brooklyn, N. Y. Inductance and self-capacitance measuring device. 2,577,592, Dec. 4.

Shrader, Fred W., Los Angeles, and H. W. Bigge, Oakland, Calif. Weight measuring apparatus. 2,577,691, Dec. 4.

Siebenthaler, David H., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus. 2,577,435, Dec. 4.

Sigler, Howard R.: *See*—
Laystrom, Carl A., and Sigler.

Silverman, Milton, Forest Hills, assignor to Schieffelin & Co., New York, N. Y. Controlling fungi by means of an acylamido naphthoquinone. 2,577,093, Dec. 4.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Safety lock for roll film camera doors. 2,577,160, Dec. 4.

Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.

Simmons Company, assignee: *See*—
Woller, Edward E.

Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Foamed alkyd-isocyanate plastics. 2,577,279, Dec. 4.

Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Cellular plastic material. 2,577,280, Dec. 4.

Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Flame retardant cellular plastic material. 2,577,281, Dec. 4.

Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Transversely sliding breech bolt lock for automatic firearms. 2,576,973, Dec. 4.

Singer Manufacturing Company, The, assignee: *See*—
Hoffmeister, Robert L.

Skinner, Harold A., New Carlisle, Ohio. Popping corn. 2,577,666, Dec. 4.

Slaght, William W., Rocky River, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Universal coupling. 2,577,692, Dec. 4.

Slayter, Games, and E. Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Method and apparatus for mixing glass. 2,577,213, Dec. 4.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Glass mat for reinforcing plastics. 2,577,214, Dec. 4.

Sliwinski, Eugene T., assignor to Telematic Corporation, Chicago, Ill. Drive mechanism. 2,577,282, Dec. 4.

Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Machine for operating upon soles. 2,577,370, Dec. 4.

Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Preparing outsoles. 2,577,371, Dec. 4.

Smidth, F. L., & Co., assignee: *See*—
Ahlmann, Nikolai.

Smith, Arthur D., and G. C. Kobrow, Spokane, Wash., assignors to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Furnace charging machine. 2,576,974, Dec. 4.

Smith, Arthur L. J., Lancaster, Pa., assignor to Radio Corporation of America. Cerium activated calcium-magnesium silicates. 2,577,161, Dec. 4.

Smith, Carl H., Jr., Arlington, Va. Pulse discriminator system. 2,576,975, Dec. 4.

Smith, Clarence C.: *See*—
Peterson, Albert C., and Smith.

Smith, Forrest H., Kinston, N. C. Tobacco curer with extinguishing means. 2,577,372, Dec. 4.

Smith, Joe C., Bibb County, Ala. Trap for flying insects. 2,577,436, Dec. 4.

Smith, Norvin E., Altadena, Calif. Garden trellis. 2,577,373, Dec. 4.

Smith, Stephen H., and J. L. Kronsis, Canton, Ohio. Making building blocks. 2,577,215, Dec. 4.

Smith, Thomas C., F. H. M. Hart, and W. A. Freer, Poughkeepsie, N. Y., assignors, by mesne assignments, to Recordgraph Corporation. Sound film drive and guide. 2,577,162, Dec. 4.

Snider, Theodore O., assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Axle contact means for vehicle hoists. 2,577,374, Dec. 4.

Snider, Theodore O., assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Axle contactor for vehicle hoists. 2,577,375, Dec. 4.

Snider, Theodore O., assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Actuator for hoist pit closures. 2,577,377, Dec. 4.

Snijders, Antonie: *See*—
Oberman, Roelof M. M., and Snijders.

Snyder, Harold S.: *See*—
Woolson, Ferdinand C., Snyder, and Jacobs.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brooks, John W., and Lukasiewicz.
Eichner, Edward R.
Hartough, Howard D.

Spears, Estes O., and R. G. Clawitter, assignors of one-third to O. W. Garvin, Little Rock, Ark. Screen frame. 2,577,379, Dec. 4.

Speer, John H.: *See*—
Ensor, Elwood H., and Speer.

Speicher, Elmer, Birmingham, Mich. Truing and balancing device for face type diamond grinding wheels. 2,577,042, Dec. 4.

Sperry Corporation, The, assignee: *See*—
Jenks, Frederic A.

Sperry, Elmer H., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Sulfurization of lard oil. 2,577,636, Dec. 4.

Spinello, Mathew, Rockford, Ill. Door lock. 2,577,216, Dec. 4.

Spittler, Eugene R., and I. W. Johnson, Schenectady, N. Y., assignors to General Electric Company. Resistance welding and resistance weld testing. 2,577,163, Dec. 4.

Spivey, William F., Jr.: *See*—
Hutchison, Calvin E., and Spivey.

Spraying Systems Co., assignee: *See*—
Wahlin, Fred W.

Sprung, Maria: *See*—
Schenk, Theresia, and Sprung.

Stafford, James E.: *See*—
Goodson, Louis H., Moffett, Stafford, and Hoehn.

Stafford, Walter R., assignor to E. J. Wolfer, Los Angeles, Calif. Filter. 2,577,217, Dec. 4.

Stagner, Hamilton R., St. Louis, Mo. Vaporizing apparatus. 2,576,976, Dec. 4.

Stamper, Hamilton A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Code identification system. 2,577,283, Dec. 4.

Standard Oil Company, assignee: *See*—
Lien, Arthur P., Zimmerschied, and Higley.

Standard Oil Development Company, assignee: *See*—
Clemens, Günter, and Westenfelder.
Payne, Leonard S.
Phillips, Cecil, Jr.
Rex, Walter A., and Nelson.
Roetheli, Bruno E.
Scharmann, Walter G.
Wadley, Edward F., and Anderson.
Young, David W., and Morway.

Starr, Raymond H., assignee: *See*—
Dillon, Clyde E.

Stech, Richard: *See*—
Mueller, Raymond W., and Stech.

Steffes, Milton J., Dearborn, assignor to Super Tool Company, Detroit, Mich. Toolholder. 2,577,043, Dec. 4.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frame with nonmetallic parts on rims. 2,577,380, Dec 4.

Steinau, Norvin J., assignor to Kirby-Cogeshall-Steinau Co., Milwaukee, Wis. Cash register sign holder. 2,577,044, Dec. 4.

Steinle, Edward M., Chicago, assignor to Illinois Glove Company, Champaign, Ill. Making improved hand coverings. 2,577,284, Dec. 4.

Stephan, Fritz, Minneapolis, assignor to H. G. Benz, deceased, Shakopee, Minn.; G. W. Benz, executor. Pump. 2,577,285, Dec. 4.

Stephenson, Isaac L., Darrouzett, Tex. Grain separating drum. 2,577,488, Dec. 4.

Stevens, Robert A., Asheville, N. C. Hat identification holder. 2,577,717, Dec. 4.

Stewart, Eva E., assignee: *See*—
Connelly, Edward F.

Stewart, Ross T., Van Nuys, Calif. Adjustable shelf for stepladder. 2,577,718, Dec. 4.

Stewart, William T., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Lubricating compositions containing dicarboalkoxy-diheptadecyl selenides. 2,577,719, Dec. 4.

Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.

Stirnemann, Ernst, Basel, Switzerland. Production of shaped articles. 2,577,381, Dec. 4.

Stober, Kenneth E., assignor to The Dow Chemical Company, Midland, Mich. Making free-flowing cellular pellets of thermoplastic resins. 2,576,977, Dec. 4.

Stokes, Jefferson A., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing cellulose yarns. 2,577,593, Dec. 4.

Stout, Cornelius B., Perkins, Okla. Gas inhaler applicator. 2,577,045, Dec. 4.

Straight, James W., Ely, Nev. Combination anvil and shield. 2,577,382, Dec. 4.

Stratton, Harry E., Chelmsford, assignor to H. E. Fletcher Company, West Chelmsford, Mass. Wire saw apparatus. 2,577,545, Dec. 4.

Streeter, Marius M., Cherokee, Iowa. Adjustable ladder jack and scaffold. 2,577,286, Dec. 4.

Stringer, Orval A., Orlando, Fla. Inner wall fogging gun. 2,577,437, Dec. 4.

Stroke, Frederick G.: *See*—
Hitchens, Aaron L., and Stroke.

Strutt, Maximiliaan J. O., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit employing compensation for electron stream induction effect. 2,577,489, Dec. 4.

Suchke, Frederick M., assignor to Pioneer Heddle and Reed Company, Incorporated, Atlanta, Ga. Heddle frame. 2,577,693, Dec. 4.

Sullivan, George C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Cargo aircraft. 2,577,287, Dec. 4.

Sulzer Freres, Société Anonyme, assignee: *See*—
Lieberherr, Hans.

Sun Oil Company, assignee: *See*—
Bethancourt, Raoul J.
Quist, Harold A.
Sperry, Elmer H.

Super Tool Company, assignee: *See*—
Steffes, Milton J.

Surprenant Electrical Insulation Company, assignee: *See*—
Forsberg, George E.

Susaman, Nathan, Long Island City, N. Y. Step stool. 2,577,438, Dec. 4.

Svenska Cellulosa Aktiebolaget, assignee: *See*—
Åström, Johan.

Svirsky, Bennett, assignor of one-half to A. Montante, Los Angeles, Calif. Combination window shade roller bracket and actuating means. 2,577,046, Dec. 4.

Sward, Delbert F., Freeport, Ill., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Latch mechanism. 2,576,978, Dec. 4.

Swenson, Harold A.: *See*—
Lowe, Edison, and Swenson.

Szemborn, Theodore M., assignee: *See*—
Belak, John J.

Szilkai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electronic device. 2,577,164, Dec. 4.

Taber, George H., Elmira, N. Y. Steering pilot. 2,577,490, Dec. 4.

Tabor-Olney Corporation, assignee: *See*—
Flosdorf, Earl W.

Talbot, Edmund C., Fall River, Mass. Tethered projectile game. 2,577,637, Dec. 4.

Tarot, Ernest P., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Can-feeding mechanism. 2,577,546, Dec. 4.

Taylor, Halsey W., Co., assignee: *See*—
Freer, Clyde P.

Taylor, Herbert B.: *See*—
Camin, Etienne L. A., Hybinette, and Taylor.

Taylor, Howard W., Danbury, Conn. Coating machine conveyer. 2,577,594, Dec. 4.

Taylor, Myron L., Hudson, Ohio. Variable vent parachute. 2,577,047, Dec. 4.

Taylor, Myron L., Hudson, Ohio. Variable vent parachute. 2,577,048, Dec. 4.

Technicolor Motion Picture Corporation, assignee: *See*—
Kienninger, John F.

Telematic Corporation, assignee: *See*—
Sliwinski, Eugene T.

Teletype Corporation, assignee: *See*—
Zenner, Walter J.

Terlinde, Edward H., St. Paul, Minn. Accordion microphone. 2,577,288, Dec. 4.

Teter, Howard W., Wellesley, Mass. Measuring instrument with registering means. 2,577,491, Dec. 4.

Teter, Howard W., Wellesley, Mass. Measuring instrument, including registering means. 2,577,492, Dec. 4.

Texaco Development Corporation, assignee: *See*—
Gee, William P.

Texas Company, The, assignee: *See*—
Kemp, Lebbeus C., Jr.

Thawley, Wesley E., assignee: *See*—
Chance, James L.

Thirring, Hans, Vienna, Austria. Shaving device. 2,577,383, Dec. 4.

Thomas, Frank W.: *See*—
Simon, Eli, and Thomas.

Thompson, Allan G., Washington, D. C. Frequency converter employing a directional coupling circuit. 2,576,979, Dec. 4.

Thompson Products, Inc., assignee: *See*—
Bartlett, Kenneth M.

Thompson, Thomas E.: *See*—
Baird, William, Parry, and Thompson.

Thompson, Walter N.: *See*—
Coyne, Howard L., Fessler, Hampton, Mesch, and Thompson.

Thorsheim, Joseph O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,577,165, Dec. 4.

Tibbetts, Willis F., Reading, assignor to H. K. Porter, Inc., Somerville, Mass. Multiple lever tool. 2,577,638, Dec. 4.

Tiganik, Leonhard, Skoghall, Sweden. Activating alkali metals. 2,577,289, Dec. 4.

Titus, Raymond D.: *See*—
Pool, Stuart D., and Titus.

Tobias, Joseph J., New York, N. Y. Articulated pillow and case. 2,577,595, Dec. 4.

Toland, Wayne G., Canton, Ill., assignor to International Harvester Company. Tractor-mounted two-way plow. 2,577,384, Dec. 4.

Toledo Engineering Company Inc., assignee: *See*—
Schwalbe, Franz G.

Toledo Plate & Window Glass Company, The, assignee: *See*—
Kelly, Ogilvie C.

Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Aircraft traffic control system. 2,577,166, Dec. 4.

Törnebohm, Hilding V.: *See*—
Meuller, Karl H., and Törnebohm.

Traver, Clarence H., Milwaukee, Wis. Metering valve. 2,577,639, Dec. 4.

Treue, Robert C., Dayton, Ohio, assignor to The Dayton Rubber Company. Textile fiber drafting element and making same. 2,576,980, Dec. 4.

Trico Products Corporation, assignee: *See*—
Horton, Erwin C.

Troendlé, Jean A., Geneva, Switzerland. Take-off of aircraft. 2,577,385, Dec. 4.

Tucker, Warren: *See*—
Klum, Blaine, and Tucker.

Tucker, Warren, III, assignee: *See*—
Klum, Blaine, and Tucker.

Tuttle, Wainwright, Milford, and T. A. C. Both, Stratford, Conn. Shielded operator assembly for valved nozzles. 2,577,245, Dec. 4.

Tuttle, William P.: *See*—
Bainbridge, Marvin, Tuttle, Baldwin, and Sheffield.

Uline, William A., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Shielded terminal having a composite metal ferrule for a flexible conduit. 2,577,049, Dec. 4.

Underwood, Lowell E., Chicago, Ill. Collapsible golf bag carrier. 2,577,290, Dec. 4.

Union Carbide and Carbon Corporation, assignee: *See*—
Pelton, John F., and Hart.

Union Special Machine Company, assignee: *See*—
Peterson, Albert C., and Smith.

United Aircraft Corporation, assignee: *See*—
Lampton, Glen T.
Zimmerman, Charles H.

United Engineering & Foundry Company, assignee: *See*—
Biggert, Florence C., Jr.

United Shoe Machinery Corporation, assignee: *See*—
McCarthy, John F.
Putnam, Robert C.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Abbott, Thomas A., and McMahon.
Arnold, William A.
De Ment, Jack.
Kerns, Quentin A., and Baker.
Werner, Louis B.

United States Instrument Corporation, assignee: *See*—
Barry, Leon G.

United States Rubber Company, assignee: *See*—
Adams, James W.
Ferrell, Wesley.
Iknayan, Alfred, and Clayton.
Ladd, Elbert C.
Provost, Raoul L.

Universal Atlas Cement Company, assignee: *See*—
Ludwig, Norman C.

Universal Controls Corporation, assignee: *See*—
Peterson, Charles D.

University of Chattanooga, the Industrial Research Institute of the, assignee: *See*—
Seymour, Raymond B.

Upjohn Company, The, assignee: *See*—
Heyl, Frederick W., Herr and Centolella.
Levin, Robert H.
Reid, William Bradley, Jr.

Van Buren, Tracy H., Sturgis, Mich. Resilient back rest for posture chairs. 2,577,050, Dec. 4.

Vanderleck, James M.: *See*—
Downing, William C., Jr., Eggleston, and Vanderleck.

Van der Waarden, Mathija, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Emulsions. 2,577,218, Dec. 4.

Van Ingen Schenau, Bernardus W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric musical instrument. 2,577,493, Dec. 4.

Van Nimwegen, Garret: *See*—
Wooddell, Charles E., van Nimwegen, and Hager.

Vapo-Gas Consolidated, Inc., assignee: *See*—
Warriner, Lorron L.

Vasselin, John F., Westford, assignor to H. E. Fletcher Company, West Chelmsford, Mass. Sheave construction. 2,577,547, Dec. 4.

Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Bag forming machine. 2,577,386, Dec. 4.

Vetter, Otto B., McKeesport, assignor to Hagan Corporation, Pittsburgh, Pa. Compensated specific gravity measuring device. 2,577,548, Dec. 4.

Vice, Ora E., Middletown, Ohio. Fishing sinker. 2,577,549, Dec. 4.

Vinten, Charles, and I. J. Dunningham, London, England. Automatically focusing camera, with special reference to cinema cameras. 2,577,494, Dec. 4.

Visco Products Company, assignee: *See*—
Kirkpatrick, Willard H.

Vlasis, George, Milwaukee, Wis. Hat expander. 2,577,167, Dec. 4.

Voegtlin, Elmo N., Philadelphia, C. D. O'Neal, Glenside, and H. E. Johnston, assignors to Philco Corporation, Philadelphia, Pa. Tone-arm and trip-arm system for automatic phonographs. 2,577,051, Dec. 4.

Vogel, Hilmond O.: *See*—
Harstick, William H., and Vogel.

Vogt, Richard, Hamburg, Germany. Twisted wing tip fin for airplanes. 2,576,981, Dec. 4.

Volckhausen, Walter J., Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Takeup reel mechanism. 2,577,168, Dec. 4.

Von Ohlsen, Louis H., Hamden, assignor to The Safety Car Heating & Lighting Co., Inc., New Haven, Conn. Generator control for battery charging systems. 2,577,094, Dec. 4.

Von Pentz, Benjamin H., Valley Stream, N. Y. Oil filter. 2,577,169, Dec. 4.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Corrosion inhibition with a mixture of inhibitors of differing volatility. 2,577,219, Dec. 4.

Wadley, Edward F., and J. A. Anderson, Jr., Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Analyzing hydrocarbons. 2,577,640, Dec. 4.

Wahlin, Fred W., Oak Park, assignor to Spraying Systems Co., Bellwood, Ill. Multiple nozzle spray head. 2,577,550, Dec. 4.

Waite Carpet Company, assignee: *See*—
Waite, Stanley E.

Waite, Stanley E., assignor to Waite Carpet Company, Oshkosh, Wis. Stand-up flexible screen. 2,577,667, Dec. 4.

Waldes Kohinoor, Inc., assignee: *See*—
Feite, Rudolf.

Walker, Daniel N., Ashby Farva, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Centrifugal governor or other mechanism requiring sensitive motion transmission. 2,577,052, Dec. 4.

Walker, Frank G., Minneapolis, Minn. Spray device for washing machines. 2,576,982, Dec. 4.

Walker, James D., Aurora, Ill., assignor to The American Well Works. Apparatus for dispersing material in a fluid stream. 2,577,095, Dec. 4.

Walker, John C., Westfield, N. J., assignor to Cities Service Oil Company, Bartlesville, Okla. Oxidizing hydrocarbons. 2,577,053, Dec. 4.

Walker, John M., assignee: *See*—
Page, Joseph H.

Walker, William, Pocatello, Idaho. Combination utility board and sign. 2,576,983, Dec. 4.

Waller, Gustav M., assignor to Burgess-Norton Mfg. Co., Geneva, Ill. Reel spider for lawn mowers. 2,577,291, Dec. 4.

Waller, Milton M., Plainfield, assignor to Baker & Co., Inc., Newark, N. J. Apparatus for the purification and drying of gases. 2,577,720, Dec. 4.

Walls, Leslie P., and F. C. Copp, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Quaternary phenanthridinium compounds. 2,577,387, Dec. 4.

Walters, Harry W., Erie, assignor of one-half to R. G. Annan, Pittsburgh, Pa. Checker-brick. 2,577,170, Dec. 4.

War, United States of America as represented by the Secretary of, assignee: *See*—
Anderson, Wilmer C.
Arenberg, David L.
Bainbridge, Kenneth T.
Ball, Alpheus M.
Belleville, Logan M.
Cohn, Seymour B.
Cooper, Harold S. G., and Schultz.
Hare, Donald G. C.
Hite, George, and Whitham.
MacNichol, Edward F., Jr.
Pound, Robert V.
Saad, Theodore S.
Simpson, Clarence E.

Ward, Sena M., Batavia, N. Y. Diaper. 2,577,096, Dec. 4.

Warner, Harry L.: *See*—
Johnson, Dale C., Warner, and Zambruno.

Warren, Glenn W., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of tetrachloroethylene. 2,577,388, Dec. 4.

Warriner, Lorron L., Miami, Fla., assignor, by mesne assignments, to Vapo-Gas Consolidated, Inc. Gas generating apparatus. 2,577,389, Dec. 4.

Waterman, Herbert, Los Angeles, assignor to American Potash & Chemical Corporation, Trona, Calif. Automatic bromine water feeder. 2,577,054, Dec. 4

Watson, William H., assignor to Polymer Corporation, Limited, Sarnia, Ontario, Canada. Polymerization termination agent. 2,577,390, Dec. 4.

Wayne Pump Company, The, assignee: *See*—
Hinds, Sherwood, and Dahlem.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Shaft seal mechanism. 2,577,292, Dec. 4.

Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.

Wedekind & C., assignee: *See*—
Ottolenghi, Arturo B.

Weldon, William M., Corbin, Ky. Flow responsive valve. 2,577,055, Dec. 4.

Weller, Jack Lee, London, assignor to Sankey-Sheldon Limited, Bilston, England. Draw leaf extension attachment for tables. 2,577,724, Dec. 4.

Wendt, Harold O., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Differential spring balance tab. 2,577,439, Dec. 4.

Werner, Louis B., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Separation of americium from solutions containing the same. 2,577,097, Dec. 4.

Wesselink, Balthazar J.: *See*—
Alexander, Johan W., and Wesselink.

Westenfelder, Egidius: *See*—
Clemens, Günter, and Westenfelder.

Western Electric Company, Incorporated, assignee: *See*—
Franz, Erwin E.
Kivley, Ray C.
Mueller, Raymond W., and Stech.
Raetsch, Bruno A.
Volckhausen, Walter J.

Western Union Telegraph Company, The, assignee: *See*—
Gail, Charles C.

Weyerhaeuser Timber Company, assignee: *See*—
Pauley, Robert D., and McCanna.

Whipple, Jack Van H., New York, and G. P. Kammerer, Floral Park, N. Y., assignors to Burdette E. Bostwick, South Orange, N. J. Pocket implement. 2,577,056, Dec. 4.

White, David W., El Reno, Okla. Vane type hydraulic clutch. 2,577,057, Dec. 4.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Apparatus stabilizing three-phase voltage supplies. 2,577,551, Dec. 4.

White, John W., Jr., Little Rock, Ark. Automatic fishing reel. 2,577,552, Dec. 4.

White, John W., Jr., Little Rock, Ark. Automatic fishing reel. 2,577,553, Dec. 4.

White, John W., Jr., Little Rock, Ark. Automatic fishing reel. 2,577,554, Dec. 4.

White, John W., Jr., Little Rock, Ark. Automatic fishing reel. 2,577,555, Dec. 4.

Whitham, Glenn E.: *See*—
Hite, George, and Whitham.

Wickes Bros., assignee: *See*—
Schulz, Richard E., and Chriscaden.

Wico Electric Company, assignee: *See*—
Harmon, Kenneth A., and Guernsey.

Wiggins, John H., and J. W. Allen, Cook County, Ill. Multishell fluid storage apparatus. 2,577,171, Dec. 4.

Wildhack, William A., Arlington, Va. High-pressure liquid oxygen converter. 2,576,984, Dec. 4.

Wildhack, William A., Arlington, Va. Liquid oxygen converter. 2,576,985, Dec. 4.

Wiley, Fred E.: *See*—
Richardson, Henry M., and Wiley.

Wiley, Ralph M.: *See*—
Serdynsky, Eugene D., Gowing, Wiley, and Havens.

Williams, David C., Needham Heights, assignor to MacGregor Instrument Company, Needham, Mass. Cartridge syringe, including a cannula attaching chuck. 2,577,556, Dec. 4.

Williams, John C., Oakland, Calif. Valve. 2,577,391, Dec. 4.
Williamson, James, Schenectady, N. Y., assignor to General Electric Company. Freezing tray. 2,577,392, Dec. 4.
Willis, Charles W., Lynn, Ala. Mounting for jettisonable aircraft engines. 2,577,058, Dec. 4.
Wilmotte, Raymond M., Washington, D. C., and C. X. Castle, Silver Spring, Md., assignors to Padevco, Inc., Washington, D. C. Circuit stabilizer. 2,577,668, Dec. 4.
Wilson & Co., Inc., assignee: *See*—
Yulich, George M.
Wilson, Frank R., Lexington, Ky. Hydrometer. 2,577,669, Dec. 4.
Windsor, George H., Tujunga, Calif. Strap clamping and tensioning means. 2,576,986, Dec. 4.
Winfree, Robert N., Omaha, Nebr. Raising dough temperatures. 2,577,220, Dec. 4.
Wingardner, Charles A.: *See*—
Dimond, Thomas L., and Wingardner.
Winks, John, and L. Fletcher, assignors to Lowell Specialty Company, Lowell, Mich. Closure mechanism for pressure type vessels. 2,577,221, Dec. 4.
Winn, Roy E., Los Angeles, Calif. Heating apparatus. 2,577,694, Dec. 4.
Wiser, Douglas R., Los Angeles, Calif. Ball centering and propelling mechanism for playing boards. 2,577,222, Dec. 4.
Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Multiple drive press with multiple clutch. 2,577,641, Dec. 4.
Witthoft, Herbert C., Marion, Ind., assignor to Anaconda Wire and Cable Company. Rot-resistant insulated cable. 2,577,059, Dec. 4.
Woestemeyer, Francis B., Schenectady, N. Y., assignor to General Electric Company. Commutator timing mechanism. 2,577,172, Dec. 4.
Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Locomotive pilot and coupler therefor. 2,577,495, Dec. 4.
Wolfer, Duane C., Vanport City, assignor of one-half to E. S. Hokanson, McMinnville, Oreg. Mopping apparatus. 2,577,496, Dec. 4.
Wolfer, Elmer J., assignee: *See*—
Stafford, Walter R.
Wolff, Nathan, St. Louis, Mo. Daylight developing tank for photographic roll films. 2,577,440, Dec. 4.
Woller, Edward E., assignor to Simmons Company, Kenosha, Wis. Wall bed. 2,577,223, Dec. 4.
Wood, Frank, Jr., Fort Worth, Tex. Multiple spout container. 2,577,293, Dec. 4.
Wood, Joseph E., Toronto, Ontario, Canada. Card displaying apparatus. 2,577,596, Dec. 4.
Wood, Madelyn, Leicester, Mass. Tooth clamping device for combs. 2,577,098, Dec. 4.
Wooddell, Charles E., G. Van Nimwegen and E. T. Hager, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,577,060, Dec. 4.
Woodworth, N. A., Company, assignee: *See*—
Hohwart, George, and E. F.
Woolslayer, Homer J., C. Jenkins, and W. H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Oil well derrick. 2,577,642, Dec. 4.
Woolson, Ferdinand C., Hammonton, N. J., H. S. Snyder, and R. H. Jacobs, Langley Field, Va. Acceleration responsive device with integrating means. 2,577,061, Dec. 4.
Worsham, Floyd L., Anniston, Ala. Shingle construction. 2,577,695, Dec. 4.
Worst, Joseph C., Bridgeport, Conn., assignor to General Electric Company. Overload protection for drive motors of automatic washing machines and the like. 2,577,173, Dec. 4.
Worth, Joseph, New York, assignor, by mesne assignments, to Leviton Manufacturing Company, Brooklyn, N. Y. Electric light fixture having a cluster of light sockets mounted thereon. 2,577,174, Dec. 4.
Worthington Pump and Machinery Corporation, assignee: *See*—
Zwickl, Joseph R.
Wright, Charles E., and L. A. Leicester, Toronto, Ontario, Canada. Dental floss holder. 2,577,597, Dec. 4.
Wright, Edison D., Rocky Mount, N. C. Peanut curing pole. 2,577,557, Dec. 4.
Wyandotte Chemicals Corporation, assignee: *See*—
Lundsted, Lester G.
Wyman, James A., Arlington, Va. Fungicidal composition for treating the human skin. 2,576,987, Dec. 4.
Young, David W., Roselle, and A. J. Morway, Rahway, N. J., assignors to Standard Oil Development Company. Wax compositions. 2,577,643, Dec. 4.
Yulich, George M., Kansas City, Kans., assignor to Wilson & Co., Inc. Automatic multiple knife sharpening machine. 2,577,393, Dec. 4.
Yutang, Lin, Cannes, France. Page control and page control release for typewriters. 2,577,062, Dec. 4.
Zaleske, Michael J., Union, N. J., assignor to Ideal Clamp Manufacturing Co., Inc., New York, N. Y. Wrap-around hose clamp. 2,577,063, Dec. 4.
Zambruno, Arthur A.: *See*—
Johnson, Dale C., Warner, and Zambruno.
Zaniroli, René, Paris, France. Heating and drying system. 2,577,441, Dec. 4.
Zeleznу, Antonin, Velesin, Czechoslovakia. Formation of the combustion space in particular for two-stroke engines. 2,577,558, Dec. 4.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Interchangeable type carrier. 2,577,064, Dec. 4.
Zimmerman, Charles H., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Limit stop for variable pitch propellers 2,577,065, Dec. 4.
Zimmerschied, Wilford J.: *See*—
Lien, Arthur P., Zimmerschied, and Higley.
Zuckerman, Sam, Arverne, assignor to Ever-Rite Toy Co., Inc., New York, N. Y. Musical play pen toy. 2,577,497, Dec. 4.
Zunino, Carl, Oakland, Calif. Dispensing machine 2,577,394, Dec. 4.
Zurbuchen, Louis E., Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio. Autographic register. 2,577,395, Dec. 4.
Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water remover and air concentrator for refrigerating systems. 2,577,598, Dec. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic transmission. E. J. Farkas. Re. 23,436, Dec. 4.
Lighter, Cigar and cigarette. A. Bakst and S. L. Ruskin. Re. 23,435, Dec. 4.
Oleopneumatic device. J. Mercier. Re. 23,437, Dec. 4.
Silica-alumina cracking catalyst, Preparation of. L. B. Ryland. Re. 23,438, Dec. 4.

LIST OF PLANT INVENTIONS

Hybrid tea rose plant. N. Grillo. 1,049, Dec. 4.

LIST OF DESIGN INVENTIONS

Accordion. E. Bonvicini. 165,321, Dec. 4.
Ash tray. T. H. Kinkade. 165,336, Dec. 4.
Automobile bumper attachment or similar article. W. B. Ford, II. 165,331, Dec. 4.
Brooch or the like, Separable. A. Katz. 165,334, Dec. 4.
Cabinet or similar article, Combined television, radio, and phonograph. J. Barofsky. 165,319, Dec. 4.
Carton. C. J. Chaplin. 165,323, Dec. 4.
Case, Safety razor set. P. Schladermundt and W. H. Dennerlein. 165,346, Dec. 4.
Chair, Stenographer's. J. S. Burdick. 165,322, Dec. 4.
Chest, Watch and jewel. M. Weill. 165,350, Dec. 4.
Duplicator, Portable. A. J. Heyer and F. K. Moore. 165,332, Dec. 4.
Earring or the like. A. Philippe. 165,342, Dec. 4.
Fabric or the like, Textile. A. P. Crotty. 165,327, Dec. 4.
Fabric, Textile. H. E. Adams. 165,317, Dec. 4.
Glass, Drinking. J. S. Cooper. 165,325, Dec. 4.
Handle bail for a suction cleaner or similar article. H. Dreyfuss. 165,329, Dec. 4.
Head and back rest for chairs and beaches, with flaps. C. Fleisig. 165,330, Dec. 4.
Heater, Circulating. P. D. Kilbury. 165,335, Dec. 4.
Housing for knife sharpeners. A. E. Anheuser. 165,318, Dec. 4.
Instrument, Control. K. A. Wood. 165,352, Dec. 4.
Instrument, Control. K. A. Wood and M. Panich. 165,353, Dec. 4.
Lamp. T. Raichel. 165,343, Dec. 4.
Latch key for a gas safety valve, Thumb. W. E. Williams. 165,351, Dec. 4.
Lighter or similar article, Table. F. N. Mariani. 165,337, Dec. 4.
Lighter, Table. K. Schieder and A. Farber. 165,345, Dec. 4.
Lighting fixture. K. M. Cross. 165,326, Dec. 4.
Pitcher or similar article. N. W. Roop. 165,344, Dec. 4.
Radio and clock, Combination. A. S. Zucker. 165,354, Dec. 4.
Skate, Roller. C. H. Parton. 165,341, Dec. 4.
Spectacle front. R. F. E. Stegeman. 165,349, Dec. 4.
Stand for handbag holders, Display. E. M. Davis. 165,328, Dec. 4.
Stocking. J. Miran. 165,339, Dec. 4.
Stocking, Lady's. R. E. Schletter. 165,347–8, Dec. 4.
Thread picking and seam ripping implement. C. E. McNutt. 165,338, Dec. 4.
Toy figure. G. W. Owen. 165,340, Dec. 4.
Trophy cup or similar article. T. H. Jones. 165,333, Dec. 4.
Vehicle, Earth moving. R. L. Beyerstedt. 165,320, Dec. 4.
Wallet and calendar, Combined. H. S. Chase. 165,324, Dec. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article. C. E. Wooddell, G. Van Nimwegen, and E. T. Hager. 2,577,060, Dec. 4.
Absorbing means for delay lines. D. L. Arenberg. 2,577,500, Dec. 4.
Acceleration responsive device with integrating means. F. C. Woolson, H. S. Snyder, and R. H. Jacobs. 2,577,061, Dec. 4.
Acid zinc electroplating and electrolyte therefor. A. E. Chester. 2,576,997, Dec. 4.
Activating alkali metals. L. Tiganik. 2,577,289, Dec. 4.
Actuator for gun firing mechanisms. V. F. Lucht. 2,576,953, Dec. 4.
Actuator for hoist pit closures. T. O. Snider. 2,577,377, Dec. 4.
Adducts of 9,11-oxido-bisnor-choladienic acids. R. H. Levin. 2,576,949, Dec. 4.
Adjustable eaves trough support. P. Dodson. 2,577,006, Dec. 4.
Adjustable feed mechanism for sewing machines. R. L. Hoffmeister. 2,577,705, Dec. 4.
Adjustable plug gauge. J. Schaetzle. 2,577,633, Dec. 4.
Adjusting device. C. Demuth. 2,577,569, Dec. 4.
Adjusting the sensitivity of contact devices. E. T. Burton. 2,577,602, Dec. 4.
Agitating and scraping mechanism. T. Carvel. 2,576,995, Dec. 4.
Aircraft traffic control system. W. A. Tolson. 2,577,166, Dec. 4.
Air drier. J. H. Anderson. 2,577,176, Dec. 4.
Airplane ground lock. E. O. Johnston. 2,577,330, Dec. 4.
Airport fueling mechanism. S. Hinds and J. G. Dahlem. 2,577,682, Dec. 4.
Air supply system for welders' helmets. T. A. Conley. 2,577,607, Dec. 4.
Alarm, Window burglar. C. M. Bartram. 2,577,224, Dec. 4.
Alkyd-isocyanate plastics, Foamed. E. Simon and F. W. Thomas. 2,577,279, Dec. 4.
Alkyleneoxy-benzyl diaminodiphenylsulfone. M. Kosmin. 2,577,708, Dec. 4.
Allyl isothiocyano ethers. W. S. Emerson and R. I. Longley, Jr. 2,577,409, Dec. 4.
Alternating-current welder. F. B. Miller. 2,577,258, Dec. 4.
Aminoalkyl ethers of diaryl carbinols. Production of. J. W. Cusic. 2,577,234, Dec. 4.
Amplifier. L. M. Belleville. 2,577,506, Dec. 4.
Amplifier, Vacuum tube. V. H. Hiatt. 2,576,938, Dec. 4.
Amusement device. R. L. Carwile. 2,577,309, Dec. 4.
Analyzing hydrocarbons. E. F. Wadley and J. A. Anderson, Jr. 2,577,640, Dec. 4.
Animal trap. F. L. Clark. 2,577,182, Dec. 4.
Antenna. G. A. Kumpf. 2,577,469, Dec. 4.
Anvil and shield, Combination. J. W. Straight. 2,577,382, Dec. 4.
Apparatus and method for electrically splicing film. B. Eisenberg. 2,577,570, Dec. 4.
Apparatus for anodically treating internal surfaces. K. M. Bartlett. 2,577,644, Dec. 4.
Apparatus for comminuting materials. R. H. Carson. 2,577,403, Dec. 4.
Apparatus for controlling one hydraulic pressure in accordance with another. R. C. McLeod. 2,577,027, Dec. 4.
Apparatus for controlling freeness of paper-making stock. C. N. Nilson. 2,577,712, Dec. 4.
Apparatus for digging potatoes and the like. C. R. Johnston. 2,577,525, Dec. 4.
Apparatus for dispersing material in a fluid stream. J. D. Walker. 2,577,095, Dec. 4.
Apparatus for gauging the lengths of articles. R. W. Mueller and R. Stech. 2,577,144, Dec. 4.
Apparatus for harvesting pineapples. M. Bainbridge, W. P. Tuttle, H. J. Baldwin, and E. S. Sheffield, Jr. 2,576,991, Dec. 4.
Apparatus for heat shaping piston rings. M. C. Dunsford. 2,577,113, Dec. 4.
Apparatus for heat transfer between fluids. C. A. Phipps. 2,577,359, Dec. 4.
Apparatus for incinerating waste material. M. A. Clift. 2,577,000, Dec. 4.
Apparatus for notching can body blanks. E. Laxo. 2,577,021, Dec. 4.
Apparatus for processing olives. L. B. Sammis and R. L. Keck. 2,577,273, Dec. 4.
Apparatus for profiling articles. B. A. Raetsch. 2,577,154, Dec. 4.
Apparatus for regulating air pressure in automobile tires. A. L. Calptman. 2,577,458, Dec. 4.
Apparatus for removing bark from logs. R. D. Pauley and L. A. McCanna. 2,576,967, Dec. 4.
Apparatus for separating pulverulent material. N. Ahlmann. 2,577,295, Dec. 4.
Apparatus for splicing rubber articles. A. N. Iknayan and A. B. Clayton. 2,576,940, Dec. 4.
Apparatus for spray coating particles. E. Lowe and H. A. Swenson. 2,576,952, Dec. 4.
Apparatus for swaging metals. P. T. Bohlander. 2,577,303, Dec. 4.
Apparatus for the continuous spraying of individual container bodies. J. P. Jakob. 2,576,942, Dec. 4.
Apparatus for the production of air foam and air foam fire-extinguishing installations. G. Clemens and E. Westenfelder. 2,577,451, Dec. 4.
Apparatus for the purification and drying of gases. M. M. Waller. 2,577,720, Dec. 4.
Apparatus for uniting metal to glass. C. M. Browne. 2,577,306, Dec. 4.
Apparatus for yarn twisting. A. L. Ewing. 2,577,571, Dec. 4.
Apparatus stabilizing three-phase voltage supplies. E. L. C. White. 2,577,551, Dec. 4.
Apple preserving method, Natural. A. J. Borck. 2,576,919, Dec. 4.
Armrest and heat shield, Combination. L. W. Atwater. 2,577,561, Dec. 4.
Arrangement for the identification of potential differences. R. M. M. Oberman and A. Snyders. 2,577,147, Dec. 4.
Automatic distillation apparatus. A. H. Garrison and F. B. Rolfson. 2,577,615, Dec. 4.
Automatic bromine water feeder. H. Waterman. 2,577,054, Dec. 4.
Automatic fishing reel. J. W. White, Jr. 2,577,552–5, Dec. 4.
Automatic range tracking circuit. E. F. MacNichol, Jr. 2,577,536, Dec. 4.
Automobile luggage device. S. C. Myers. 2,577,263, Dec. 4.
Awning structure. F. A. Ray. 2,577,482, Dec. 4.
Axle contact means for vehicle hoists. T. O. Snider. 2,577,374, Dec. 4.
Axle contactor for vehicle hoists. T. O. Snider. 2,577,375, Dec. 4.
Axle engaging means for vehicle hoists. J. J. Pelouch. 2,577,376, Dec. 4.
Axminster tube frame. O. V. Payne. 2,577,266, Dec. 4.
Back exercising and massaging device. J. C. Johnston and G. P. Schmitt. 2,577,129, Dec. 4.
Back rest for chairs, Adjustable. P. Mondy. 2,577,089, Dec. 4.
Back rest for posture chairs, Resilient. T. H. Van Buren. 2,577,050, Dec. 4.
Back spacing mechanism operating means for typewriting or like machines. J. F. Kloski and W. H. Kupper. 2,577,467, Dec. 4.
Bag: *See*—
  Multicompartment traveling bag.
Bag forming machine. J. G. Vergobbi. 2,577,386, Dec. 4.
Bail and can. F. L. Cole. 2,577,001, Dec. 4.
Bale hoist. B. J. Leach. 2,577,338, Dec. 4.
Ball centering and propelling mechanism for playing boards. D. R. Wiser. 2,577,222, Dec. 4.
Ball pump. S. D. Pool and R. D. Titus. 2,577,361, Dec. 4.
Bar feed loader for metal-working machines. E. S. Mariotte. 2,577,203, Dec. 4.
Barbecue machine. R. J. Dietrich and F. L. Dieterich. 2,577,184, Dec. 4.
Barking logs. R. D. Pauley and L. A. McCanna. 2,576,966, Dec. 4.
Bathroom article holder. G. A. Hallenscheid. 2,577,011, Dec. 4.
Battery cable clamp. P. H. Proff. 2,577,714, Dec. 4.
Bearing: *See*—
  Double-row roller bearing.
Bed covering. K. P. Bellinger. 2,577,178, Dec. 4.
Bed, Wall. E. E. Woller. 2,577,223, Dec. 4.
Board: *See*—
  Drawing board.
Board and sign, Combination utility. W. Walker. 2,576,983, Dec. 4.

Bonding unbexed tubes. M. Newcomer. 2,577,124, Dec. 4.
Bookrack. B. B. Bergevin. 2,576,993, Dec. 4.
Bottom hole sampler. W. Ruska. 2,577,210, Dec. 4.
Bowl, Salad mixing and serving. M. L. Easton. 2,577,185, Dec. 4.
Box dumper, Covering. G. M. Porter. 2,577,091, Dec. 4.
Bracket for bedsprings, Side. J. R. Houle. 2,577,685, Dec. 4.
Bracket or support, Collapsible. A. B. Bell 2,577,399, Dec. 4.
Brake adjuster. J. J. Sainz. 2,576,971, Dec. 4.
Brake applying mechanism, Automatic G. Connors. 2,577,071, Dec. 4.
Brake shoe treating apparatus. S. P. Lowe. 2,577,534, Dec. 4.
Breech bolt lock for automatic firearms, Transversely sliding. C. E. Simpson. 2,576,973, Dec. 4.
Brush device for cleaning soles of shoe, Reciprocating. C. R. Aben. 2,577,294, Dec. 4.
Bubble cap. H. N. La Croix. 2,576,946, Dec. 4.
Building wall construction. E. Goenner. 2,577,323, Dec. 4.
Buoyant tow and communication line. G. E. Forsberg. 2,577,077, Dec. 4.
Burner: *See*—
  Oil burner.
Button cover. H. Groh. 2,577,723, Dec 4.
Cabinet: *See*—
  Door actuated rotatable Speaker cabinet.
  service cabinet.
Cable: *See*—
  Rot-resistant insulated cable.
Calendar, Fecundity. T. Schenk and M. Sprung. 2,577,544, Dec. 4.
Calendar, Pencil. J. Millington. 2,577,259, Dec. 4.
Camera, with special reference to cinema cameras, Automatically focusing. C. Vinten and I. J. Dunningham. 2,577,494, Dec. 4.
Can-feeding mechanism. E. P. Tarot. 2,577,546, Dec. 4.
Cap: *See*—
  Bubble cap.
Carburetor choke mechanism. H. G. Moore. 2,577,260, Dec. 4.
Card displaying apparatus. J. E. Wood. 2,577,596, Dec. 4.
Card selecting device. L. J. Gottschalk. 2,577,460, Dec. 4.
Cargo aircraft. G. C. Sullivan. 2,577,287, Dec. 4.
Carrier: *See*—
  Collapsible golf bag carrier.
  Golf club carrier.
  Interchangeable type carrier.
  Releasable article carrier.
Cart, Collapsible. B. R. Hall. 2,577,579, Dec. 4.
Carton, Double-walled collapsible. R. E. Paige. 2,577,588, Dec. 4.
Carton handling machine. C. E. Kerr and R. Elsheimer. 2,577,529, Dec. 4.
Cartridge syringe, including a cannula attaching chuck. D. C. Williams. 2,577,556, Dec. 4.
Case for borehole measuring instruments, Shockproof. R. J. Bethancourt. 2,577,599, Dec. 4.
Cash register sign holder. N. J. Steinau. 2,577,044, Dec. 4.
Cashew nut shell extract. M. T. Harvey. 2,577,521, Dec. 4.
Catch. D. W. Bergdorf. 2,577,507, Dec. 4.
Cathode and heater structure for electron tubes. W. W. Eitel and H. D. Miller. 2,577,239, Dec. 4.
Cellular plastic material. E. Simon and F. W. Thomas. 2,577,280, Dec. 4.
Centrifugal governor or other mechanism requiring sensitive motion transmission. D. N. Walker. 2,577,052, Dec. 4.
Centrifugal machine. K. Clark. 2,577,647, Dec. 4.
Cerium activated calcium-magnesium silicates. A. L. J. Smith. 2,577,161, Dec. 4.
Charged-particle energy meter. J. H. Coleman. 2,577,106, Dec. 4.
Checker-brick. H. W. Walters. 2,577,170, Dec. 4.
Chemical compositions and the preparation thereof. W. H. Kirkpatrick. 2,577,198, Dec. 4.
Child's convertible vehicle. B. G. Gellenbeck. 2,577,459, Dec. 4.
Cholesteryl amines and preparing the same. S. Bernstein and K. J. Sax. 2,577,226, Dec. 4.
Chute, Hog. L. E. Cullen. 2,577,233, Dec. 4.
Circuit: *See*—
  Automatic range tracking circuit.
  Deflection circuit.
  Electrical pulse generating circuit.
  Pulse regenerator circuit.
  Time-delay circuit.
Circuit arrangement, including selective and nonselective negative-feedback means and selective positive-feedback means, Electron discharge tube. J. A. Greefkes and F. Ensink. 2,577,461, Dec. 4.
Circuit employing compensation for electron stream induction effect, Mixing. M. J. O. Strutt. 2,577,489, Dec. 4.
Circuit for multiple channel recording galvanometers. W. H. Lewis. 2,577,472, Dec. 4.
Circuit stabilizer. R. M. Wilmotte and C. X. Castle. 2,577,668, Dec. 4.
Clamp: *See*—
  Battery cable clamp.
  Tourniquet clamp.
  Wrap-around hose clamp.
Clamp means, Plate. E. F. Dell. 2,577,073, Dec. 4.
Clamp with an adjustable pivot, Toggle. C. C. Moorehead. 2,577,029, Dec. 4.
Cleaner: *See*—
  Filling fork well cleaner.
  Seed cleaner.
Clip: *See*—
  Pin curl clip.
Closure mechanism for pressure type vessels. J. Winks and L. Fletcher. 2,577,221, Dec. 4.
Clutch: *See*—
  Vane-type hydraulic clutch.
Clutch. E. S. Christensen. 2,577,181, Dec. 4.
Coagulation of synthetic rubber latices. J. W. Adams. 2,576,909, Dec. 4.
Coating apparatus, Liquid. C. P. Freer. 2,577,574, Dec. 4.
Coating composition comprising the reaction product of vinyl estera of tall oil acids with styrene and an isopropenyl compound, and the preparation. P. E. Marling. 2,577,709, Dec. 4.
Coating machine. D. S. Greer. 2,577,722, Dec. 4.
Code identification system. H. A. Stamper. 2,577,283, Dec. 4.
Code translator, Multielement. H. P. Luhn. 2,577,085, Dec. 4.
Coffee basket for drip coffee makers. R. F. Krause. 2,577,200, Dec. 4.
Coffee maker, Pressure actuated. S. Melita. 2,577,088, Dec. 4.
Collapsible golf bag carrier. L. E. Underwood. 2,577,290, Dec. 4.
Color television receiving apparatus. M. L. Schultz, L. G. Pacent, and R. R. Batcher. 2,577,368, Dec. 4.
Colostomy screen stand. C. A. McMorrow. 2,577,028, Dec. 4.
Comb for hair clippers. B. Pasquesi. 2,577,357, Dec. 4.
Combined inductor and work-supporting means. R. M. Serota. 2,577,487, Dec. 4.
Communication system. H. S. G. Cooper and H. L. Schultz. 2,577,512, Dec. 4.
Compressor head cooling system for refrigerator machines. K. K. Cooper. 2,577,107, Dec. 4.
Concave, Adjustable. H. N. Irvine. 2,577,329, Dec. 4.
Condensers, Making molded. A. Di Giacomo. 2,577,005, Dec. 4.
Consumer type container. L. C. Brooks 2,577,305, Dec. 4.
Container: *See*—
  Consumer type container.
  Multiple spout container.
  Playing card container.
Container. L. C. Brooks. 2,577,304, Dec. 4.
Container construction. J. E. Page. 2,577,148, Dec. 4.
Container for condiment shakers, Electrically heated. R. T. Hill. 2,577,327, Dec. 4.
Container handling and registering apparatus. J. Magnusson. 2,577,341, Dec. 4.
Container with bottom dispensing rotor. A. C. Roebuck, Jr. and A. T. Arnold. 2,577,036, Dec. 4.
Control apparatus. D. H. Siebenthaler. 2,577,435, Dec. 4.
Control device. J. O. Thorsheim. 2,577,165, Dec. 4.
Control for grapples. G. G. Morin. 2,577,689, Dec. 4.
Control mechanism for the brake holders of automative vehicles. K. A. Harmon and G. A. Guernsey. 2,577,680, Dec. 4.
Control mechanism for variable-speed gears or other purposes. H. M. Kersterton. 2,577,019, Dec. 4.
Controlling fungi by means of an acylamido naphthoquinone. M. Silverman. 2,577,093, Dec. 4.
Covering, Insulating. P. F. McDermott and H. E. Holcomb. 2,577,427, Dec. 4.
Conveyor, Bulk flow. W. G. Hudson. 2,577,082, Dec. 4.
Conveyor, Coating machine. H. W. Taylor. 2,577,594, Dec. 4.
Conveyor for portable elevators, Spring balanced receiving. B. M. Hyman. 2,577,328, Dec. 4.
Cooker. A. W. French, Jr. 2,577,010, Dec. 4.
Cooling device for radial gas turbines. A. Buchi. 2,577,179, Dec. 4.
Corn-shelling attachment for two-row corn pickers. M. J. Mitchell. 2,577,349, Dec. 4.
Corrosion inhibition with a mixture of inhibitors of differing volatility. A. Wachter and N. Stillman. 2,577,219, Dec. 4.
Corundum phonograph needle and sound reproducng apparatus embodying same. J. F. Pelton and T. F. Hart. 2,577,149, Dec. 4.
Cotton-picking machine doffer. M. D. Rust. 2,577,367, Dec. 4.
Counter, Binary-decade. A. H. Dickinson. 2,577,075, Dec. 4.
Coupling: *See*—
  Rotary hydraulic coupling.
  Universal coupling.
Coupling device. A. B. Nearing and E. U. Sandin. 2,577,145, Dec. 4.
Coupling device for two colinear shafts. G. E. Cuttat. 2,577,311, Dec. 4.

Cover: *See*—
Button cover.
Crib. W. J. McNabb. 2,577,257, Dec. 4.
Crossbar switch. R. P. Arthur. 2,577,067, Dec. 4.
Cross-wind undercarriage. J. H. Geisse. 2,577,416, Dec. 4.
Cup, Folding paper. H. B. Cranshaw. 2,577,109, Dec. 4.
Cupboard, Grocery. A. T. Assmundsson. 2,577,396, Dec. 4.
Cushion, Pneumatic. R. W. Sampson. 2,577,274, Dec. 4.
Cutter: *See*—
Green corn cutter.
Data translating apparatus. J. W. Mauchly and J. P. Eckert, Jr. 2,577,141, Dec. 4.
Daylight developing tank for photographic roll films. N. Wolff. 2,577,440, Dec. 4.
Deflection circuit. R. B. Le Roy. 2,576,948, Dec. 4.
Deflector for wagon elevators. E. K. Karlsson and J. L. Aasland. 2,577,331, Dec. 4.
Δ 17,20-pregnenolal derivatives. E. C. Kendall and G. A. Fleisher. 2,577,018, Dec. 4.
Dental floss holder. C. E. Wright and L. A. Leicester. 2,577,597, Dec. 4.
Denture composition containing vinylidene chloride-acrylonitrile copolymer and methyl methacrylate monomer and polymer. H. V. Joy. 2,576,944, Dec. 4.
Derivative-computing servo mechanism control for prime mover dynamo plants. T. E. Curtis. 2,577,003, Dec. 4.
Detergent compositions. W. Baird and G. P. Crowley. 2,576,913, Dec. 4.
Detergent compositions. W. Baird, E. G. Parry, and T. E. Thompson. 2,577,503, Dec. 4.
Device comprising a glow discharge tube. J. G. W. Mulder and F. M. Penning. 2,577,352, Dec. 4.
Device for assembling furring nails. V. A. Large. 2,577,020, Dec. 4.
Device for cutting and slicing vegetables. H. E. R. Dent. 2,577,407, Dec. 4.
Device for displaying merchandise. M. C. Ranseen. 2,576,969, Dec. 4.
Device for extraction of sugar from sugar beet slices. E. Laugen. 2,577,135, Dec. 4.
Device for hardening. J. R. Eves. 2,577,611, Dec. 4.
Device for holding and desiccating smoking pipes. J. K. Sellers. 2,577,278, Dec. 4.
Device for setting backfires. A. B. Everts. 2,576,930, Dec. 4.
Device for tightening wire. J. E. Scheuerlein. 2,577,212, Dec. 4.
Device for transmission and reception of very short electrical waves. C. W. Hansell. 2,577,463, Dec. 4.
Diaper. V. Blake. 2,577,398, Dec. 4.
Diaper. S. M. Ward. 2,577,096, Dec. 4.
Diaphragm chuck. G. and E. F. Hohwart. 2,577,656, Dec. 4.
Diazine sulfonamides and preparing the same. J. W. Clapp and R. O. Roblin, Jr. 2,577,231, Dec. 4.
Dice shaking apparatus. W. W. Meeks. 2,577,087, Dec. 4.
Dielectric constant measurement. C. H. Fay. 2,577,612, Dec. 4.
Dielectric wave guide closure. C. A. Rosencrans. 2,577,158, Dec. 4.
Differential spring balance tab. H. O. Wendt. 2,577,439, Dec. 4.
Digging machine. G. E. Russell. 2,577,271, Dec. 4.
Direction finding device. M. Ercolino. 2,576,929, Dec. 4.
Discharge device, Electronic. E. Eastwood, J. M. Ferguson, and K. W. Brown. 2,577,314, Dec. 4.
Dispenser: *See*—
Narcotic dispenser. Nose drop dispenser.
Dispensing apparatus, Writing fluid. F. Ferber. 2,577,572, Dec. 4.
Dispensing device, Coin-controlled liquid. E. Hongell. 2,577,385, Dec. 4.
Dispensing machine. C. Zunino. 2,577,394, Dec. 4.
Di-tertiary butyl quinone, Preparation of. G. R. Barrett. 2,577,505, Dec. 4.
Door actuated rotatable service cabinet. W. H. Calcutt and S. A. F. Phelps. 2,577,401, Dec. 4.
Door lift. K. P. McLaughlin. 2,577,348, Dec. 4.
Door lock. M. Spinello. 2,577,216, Dec. 4.
Doorway gate. J. H. Quinlan. 2,577,034, Dec. 4.
Double hung sash. C. V. Mancini. 2,577,342, Dec. 4.
Double-row roller bearing. N. A. Palmgren. 2,577,589, Dec. 4.
Double shuttle weft replenishing loom. W. R. Hewton. 2,577,419, Dec. 4.
Drainage method and device. W. Kjellman. 2,577,252, Dec. 4.
Draw leaf extension attachment for tables. J. Weller. 2,577,724, Dec. 4.
Drawing board. P. Seferow. 2,577,159, Dec. 4.
Drier: *See*—
Air drier.
Drier safety control. F. L. Butler. 2,577,104, Dec. 4.
Drill point gauge. C. C. Carlson. 2,577,228, Dec. 4.
Drive mechanism. E. T. Sliwinski. 2,577,282, Dec. 4.
Dry dock, Floating. G. C. Engstrand. 2,576,928, Dec. 4.
Drying plums and grapes. E. W. Flosdorf. 2,577,704, Dec. 4.
Dye padder having vertically or horizontally disposed squeeze rolls. J. Dungler. 2,576,927, Dec. 4.
Electric heater. I. G. Glenn. 2,577,080, Dec. 4.
Electric positioning-proportional floating control. T. A. Abbott and J. B. McMahon. 2,577,696, Dec. 4.
Electrical pulse generating circuit. G. Hite and G. E. Whitham. 2,577,522, Dec. 4.
Electrodeposition with nickel. E. L. A. Camin, S. E. Hybinette, and H. B. Taylor. 2,576,922, Dec. 4.
Electronic device. G. C. Szikiai. 2,577,164, Dec. 4.
Electroplating zinc. A. E. Chester, R. F. Main, and H. F. Hansen. 2,576,999, Dec. 4.
Electroplating zinc. R. F. Main and H. F. Hansen. 2,576,998, Dec. 4.
Electrostatic voltage generator. C. Bosch. 2,577,446, Dec. 4.
Emulsifying fluids, Method and apparatus for. E. M. Irwin. 2,577,247, Dec. 4.
Emulsions. M. van der Waarden. 2,577,218, Dec. 4.
Engine: *See*—
Fuel injection engine.
Epicyclic mechanism. R. P. Harshberger. 2,577,081, Dec. 4.
Ethylamines, Substituted. L. H. Goodson, R. B. Moffett, J. E. Stafford, and W. M. Hoehn. 2,577,121, Dec. 4.
Evaporating plant operating by thermo-compression. A. B. Ottolenghi. 2,577,090, Dec. 4.
Explosive composition containing vermiculite. A. M. Cummings. 2,577,110, Dec. 4.
Extraction apparatus. C. J. Mueller. 2,577,429, Dec. 4.
Fabric guiding mechanism and feeler control therefor. C. W. Johnson. 2,577,195, Dec. 4.
Feeder: *See*—
Automatic bromine water feeder.
Feeding and stacking method and machine. L. L. Matthews. 2,576,956, Dec. 4.
Fender skirt, Front. H. Bookman. 2,577,673, Dec. 4.
Fermentation process for production of vitamin B_{12}. J. A. Garibaldi, K. Ijichi, J. C. Lewis, and J. McGinnis. 2,576,932, Dec. 4.
Fertilizer and seed distributor machine. E. J. Ingalls. 2,576,941, Dec. 4.
Field for playing golf. M. B. Reach. 2,577,690, Dec. 4.
Filleting fish. W. H. Hunt. 2,577,686, Dec. 4.
Filling fork well cleaner. H. W. Carroll. 2,577,449, Dec. 4.
Filter: *See*—
Microwave filter. Wave guide filter.
Oil filter.
Tunable radio frequency filter.
Filter. W. R. Stafford. 2,577,217, Dec. 4.
Filtering means for air supply devices. T. A. Conley. 2,577,606, Dec. 4.
Fishline sinker and hook spreader, Combined. T. Midland. 2,577,143, Dec. 4.
Fish lure. S. J. Carnes. 2,577,402, Dec. 4.
Fish lure, Audible. S. J. Carnes. 2,577,229, Dec. 4.
Fishing rod. H. M. Gephart. 2,577,575, Dec. 4.
Fishing sinker. O. E. Vice. 2,577,349, Dec. 4.
Flame retardant cellular plastic material. E. Simon and F. W. Thomas. 2,577,281, Dec. 4.
Flash-photography apparatus. H. E. Grier. 2,576,934, Dec. 4.
Flashless powder sheet. A. M. Ball. 2,577,298, Dec. 4.
Flier construction. M. J. McHale. 2,577,346–7. Dec. 4.
Flow damper, Proportioning. B. Cones. 2,577,405, Dec. 4.
Flow responsive valve. W. M. Weldon. 2,577,055, Dec. 4.
Flow system and valve structure therefor. W. C. Rosenbaum. 2,577,434, Dec. 4.
Flower holder. F. D. King. 2,577,251, Dec. 4.
Fluid flow control system. C. C. Borden, Sr. 2,577,564, Dec. 4.
Fogging gun, Inner wall. O. A. Stringer. 2,577,437, Dec. 4.
Formaldimines and their reaction products. H. D. Hartough. 2,577,191, Dec. 4.
Formation of the combustion space in particular for two-stroke engines. A. Zeiesny. 2,577,558, Dec. 4.
Forming bearings. L. H. E. Fox. 2,577,187, Dec. 4.
Forming die cast products. L. H. Morin. 2,577,350, Dec. 4.
Fountain comb. S. A. and R. Rypel. 2,577,665, Dec. 4.
Fountain stylus, Electrically heated. J. J. Belak. 2,577,721, Dec. 4.
Fractional distillation process. J. Hudig. 2,577,617, Dec. 4.
Fractionation process. P. H. Deming and M. L. Sagenkahn. 2,577,701, Dec. 4.
Frame: *See*—
Axminster tube frame. Screen frame.
Heddle frame.
Frame with nonmetallic parts on rims, Spectacle. R. F. E. Stegeman. 2,577,380, Dec. 4.
Frequency converter employing a directional coupling circuit. A. G. Thompson. 2,576,979, Dec. 4.
Friction gear. A. Buchi. 2,577,180, Dec. 4.
Friction generator. J. Roudaut. 2,577,542, Dec. 4.
Frit compositions for vitreous enamels. M. D. Beals and L. R. Blair. 2,576,916, Dec. 4.
Fuel injection engine. C. N. Guerasimoff. 2,577,518, Dec. 4.
Fungicidal composition for treating the human skin. J. A. Wyman. 2,576,987, Dec. 4.

Furnace baffle for removal of fly ash. V. V. K. Rasanen. 2,577,268, Dec. 4.
Furnace charging machine. A. D. Smith and G. C. Kobrow. 2,576,974, Dec. 4.
Furnace roof construction, Open-hearth. J. S. Mohr. 2,577,428, Dec. 4.
Fuse construction. G. F. Laing. 2,577,531, Dec. 4.
Game, Tethered projectile. E. C. Talbot. 2,577,637, Dec. 4.
Garden trellis. N. E. Smith. 2,577,373, Dec. 4.
Garment hanger. E. E. Carlton. 2,577,567, Dec. 4.
Gas generating apparatus. L. L. Warriner. 2,577,389, Dec. 4.
Gas inhaler applicator. C. B. Stout. 2,577,045, Dec. 4.
Gas service pressure regulator. C. D. Peterson. 2,577,480, Dec. 4.
Gas torch, Flameless hot. H. M. Richardson and F. E. Wiley. 2,577,269, Dec. 4.
Gate: *See*—
Doorway gate.
Gauge: *See*—
Adjustable plug gauge. Pressure gauge.
Drill point gauge. Spherical bore gauge.
Gauging device, Liquid. L. S. Payne. 2,577,590, Dec. 4.
Gear: *See*—
Friction gear.
Gelatinization of cellulose acetate. R. D. Dunlop. 2,576,910, Dec. 4.
Generator: *See*—
Electrostatic voltage generator. Friction generator.
Generator control for battery charging systems. L. H. Von Ohlsen. 2,577,094, Dec. 4.
Glass composition and making same. A. G. Pincus. 2,577,627, Dec. 4.
Glass mat for reinforcing plastics. G. Slayter. 2,577,214, Dec. 4.
Glasses with film strip mounted thereon, Opera. C. W. Armistead. 2,576,989, Dec. 4.
Golf club carrier. B. Klum and W. Tucker. 2,577,333, Dec. 4.
Grain separating drum. I. L. Stephenson. 2,577,488, Dec. 4.
Green corn cutter. C. E. Kerr. 2,577,530, Dec. 4.
Grinding machine. H. J. Shelton, Jr. 2,577,716, Dec. 4.
Gun control system. A. P. Davis. 2,577,650, Dec. 4.
Gun of the swinging barrel type, Double-barrel. V. M. M. Lambert. 2,577,335, Dec. 4.
Gyroscopic apparatus. F. H. Downing. 2,577,313, Dec. 4.
Handle for pans, Attachable. J. L. Chance. 2,577,676, Dec. 4.
Handle for screw drivers or the like. C. L. Dewey. 2,577,651, Dec. 4.
Hanger: *See*—
Garment hanger. Wire garment hanger.
Portable garment hanger.
Harvesting machine. M. Bainbridge, W. P. Tuttle, H. J. Baldwin, and E. S. Sheffield, Jr. 2,576,992, Dec. 4.
Hat expander. G. Viasis. 2,577,167, Dec. 4.
Hat holder. R. L. Brill. 2,577,600, Dec. 4.
Hat identification holder. R. A. Stevens. 2,577,717, Dec. 4.
Heat exchanger framing for metal boats. N. C. Jannsen. 2,577,194, Dec. 4.
Heat sealing pliofilm. H. R. Denton. 2,577,183, Dec. 4.
Heat-shaping piston rings. M. W. Marien and C. E. Lippmann. 2,577,139, Dec. 4.
Heater: *See*—
Electric heater.
Heater control, Fluid. P. R. Grossman and J. F. Shannon. 2,577,655, Dec. 4.
Heater having plural reflectors for preventing frost damage to plant life, Radiant. A. W. Farrall. 2,577,410, Dec. 4.
Heating and drying system. R. Zaniroli. 2,577,441, Dec. 4.
Heating apparatus. R. E. Winn. 2,577,694, Dec. 4.
Heating device. T. R. Günther. 2,577,243, Dec. 4.
Heavy hydrocarbons of hydogen isotopes, Preparation of. L. C. Kemp, Jr. 2,577,017, Dec. 4.
Heddle frame. F. M. Suchke. 2,577,693, Dec. 4.
Hermetic crystal holder. M. N. Glickman and M. Klebanoff. 2,577,576, Dec. 4.
High melting-high water-resistant grease. B. W. Hotten. 2,577,706, Dec. 4.
High-voltage power supply regulation. V. J. Duke. 2,577,112, Dec. 4.
Hinge, Combination. J. P. Doman. 2,577,456, Dec. 4.
Hinge for photographic apparatus. W. Castedello. 2,576,996, Dec. 4.
Hinged sheave construction. W. B. Horton. 2,577,523, Dec. 4.
Hitch, Flexible. O. A. Cori, Jr., and V. Nelson. 2,577,002, Dec. 4.
Holder: *See*—
Bathroom article holder. Hat identification holder.
Cash register sign holder. Hermetic crystal holder.
Dental floss holder. Mailbox positionable wire letter holder.
Flower holder. Price tag holder.
Hat holder.
Holder for cosmetics. H. Groh. 2,577,577, Dec. 4.
Honeycomb structure. E. E. Franz. 2,577,120, Dec. 4.
Housing for vehicle hoists. P. I. Schultz and J. J. Pelouch. 2,577,378, Dec. 4.
Humidifier, Cigarette. G. Otallah. 2,577,356, Dec. 4.
Humidifier system for air-heating furnaces. D. C. Bert. 2,577,302, Dec. 4.
Hydraulic bumper jack. H. E. Page. 2,577,539, Dec. 4.
Hydraulic steady rest. R. E. Schulz and A. W. Chriscaden. 2,577,277, Dec. 4.
Hydraulically driven twisting apparatus. R. D. Heffelfinger. 2,576,936, Dec. 4.
Hydrodynamic machine, Axial type. A. Grad. 2,577,242, Dec. 4.
Hydrogen-carbon oxide mixtures and catalytic reaction thereof, Preparation of. A. Belchetz. 2,577,563, Dec. 4.
Hydrometer. F. R. Wilson. 2,577,669, Dec. 4.
Ice creeper. N. A. Nordin. 2,577,478, Dec. 4.
Igniter for use in electric initiating devices, Electric. D. G. Ashcroft. 2,577,501, Dec. 4.
Imbibition printing. J. F. Kienninger. 2,577,332, Dec. 4.
Implement for use in trimming Christmas trees with tinsel. C. L. Paganski. 2,577,360, Dec. 4.
Implement, Pocket. J. Van H. Whipple and G. P. Kammerer. 2,577,056, Dec. 4.
Incinerator, Garbage. R. H. Knipping. 2,577,659, Dec. 4.
Indicator. T. B. Owens. 2,577,663, Dec. 4.
Inductance and self-capacitance measuring device. E. M. Shiepe. 2,577,592, Dec. 4.
Infrared release of water of crystallization. K. J. Rios. 2,577,209, Dec. 4.
Instructional device on the operation of voting machines. C. R. Finegan. 2,577,678, Dec. 4.
Instrument, Electric musical. B. W. van Ingen Schenau. 2,577,493, Dec. 4.
Instrument for cultivation of voice. D. Baxter. 2,577,562, Dec. 4.
Instrument, Spectacle temple measuring. R. S. Loveridge. 2,577,533, Dec. 4.
Insulating material, Electrical. A. Rheiner and W. Hagenbuch. 2,577,715, Dec. 4.
Insulator for spark plugs, Ceramic. H. G. Schurecht. 2,577,369, Dec. 4.
Interchangeable type carrier. W. J. Zenner. 2,577,064, Dec. 4.
Intermittent transport mechanism for photographic film and the like. I. W. Akers. 2,577,175, Dec. 4.
Inventory control device for fuel dispensing devices. E. R. Eichner. 2,577,115, Dec. 4.
Jack: *See*—
Hydraulic bumper jack.
Joining leaders to fishhooks. W. W. Jones. 2,577,466, Dec. 4.
Jointure for prefabricated structures. A. J. Fitzgerald. 2,577,119, Dec. 4.
Jig for milling. P. H. Fassnacht. 2,577,116, Dec. 4.
Keto-carboxylic acids and their derivatives, Preparation of. E. C. Ladd. 2,577,133, Dec. 4.
Ketonic bodies, Production of. W. Reppe and A. Magin. 2,577,208, Dec. 4.
Knife sharpening machine, Automatic multiple. G. M. Yulich. 2,577,393, Dec. 4.
Knitting machine and operating same, Circular multifeed hosiery. J. J. McDonough. 2,576,962, Dec. 4.
Ladder jack and scaffold, Adjustable. M. M. Streeter. 2,577,286, Dec. 4.
Laminated material and making the same. A. Nashley. 2,577,476, Dec. 4.
Latch mechanism. D. F. Sward. 2,576,978, Dec. 4.
Latch tripping mechanism comprising abutting pivoted members. J. F. Chipman. 2,577,230, Dec. 4.
Lifter: *See*—
Valve lifter.
Light fixture having a cluster of light sockets mounted thereon, Electric. J. Worth. 2,577,174, Dec. 4.
Light polarizer and making the same. J. Mahler. 2,577,620, Dec. 4.
Lighter, Cigar. A. Harris, A. H. Aronson, and R. L. Burchett. 2,577,122, Dec. 4.
Lighter and watch, Combined. F. H. Fraser. 2,577,679, Dec. 4.
Lighting equipment. W. L. Burkhart. 2,576,920, Dec. 4.
Limit stop for variable pitch propellers. C. H. Zimmerman. 2,577,065, Dec. 4.
Linear structural member. J. L. Barrett. 2,577,671, Dec. 4.
Liquid level control for volatile liquids. T. J. Peukert. 2,577,358, Dec. 4.
Liquid mixing apparatus. H. G. Freeman. 2,577,457, Dec. 4.
Liquid supply means for power washing cream separator. W. H. Harstick and H. O. Vogel. 2,577,326, Dec. 4.
Load retainer. H. D. Barber. 2,577,504, Dec. 4.
Lock: *See*—
Airplane ground lock. Door lock.
Lock for automatic firearms, Pivoted breech bolt. B. Maillard. 2,577,026, Dec. 4.
Lock for roll film camera doors, Safety. A. Simmon. 2,577,160, Dec. 4.
Locking means for adjusting nuts. D. Firth. 2,577,516, Dec. 4.
Locking means for boxes. L. James. 2,577,248, Dec. 4.
Locomotive pilot and coupler therefor. H. H. Wolfe. 2,577,495, Dec. 4.

Loom: *See*—
Double shuttle weft replenishing loom.
Louver construction. J. C. Cotner. 2,577,072, Dec. 4.
Low-water-loss cement. N. C. Ludwig. 2,576,955, Dec. 4.
Lubricating compositions containing dicarboalkoxy-diheptadecyl selenides. W. T. Stewart. 2,577,719, Dec. 4.
Lubricating system. G. Kenosst. 2,577,658, Dec. 4.
Luminescent object, Transparent. A. E. Neumann. 2,577,030, Dec. 4.
Machine for coating confection bodies. J. F. Robb. 2,577,433, Dec. 4.
Machine for displaying rugs. E. Reiss and H. R. Gewertz. 2,577,366, Dec. 4.
Machine for inserting supplements into signatures. R. Moser. 2,577,261, Dec. 4.
Machine for making wood flooring blocks. C. W. Redin. 2,577,630, Dec. 4.
Machine for operating upon soles. E. F. Small. 2,577,370, Dec. 4.
Machine for stretching and coating webs of sheet material. B. D. Hyde. 2,577,013, Dec. 4.
Machine tool. K. F. Gallimore. 2,577,517, Dec. 4.
Machine-tool control. C. Johnson. 2,577,128, Dec. 4.
Mailbox positionable wire letter holder. L. S. Olson. 2,576,964, Dec. 4.
Make-up galley. F. Bernik. 2,577,672, Dec. 4.
Making building blocks. S. H. Smith and J. L. Kronsis. 2,577,215, Dec. 4.
Making cellular thermoplastic products. J. L. Amos. 2,576,911, Dec. 4.
Making concrete roofing tiles or the like, Method of and apparatus for. B. and W. C. Samson. 2,577,275, Dec. 4.
Making flexible pocket receptacles. D. J. Broughton. 2,577,674, Dec. 4.
Making free-flowing cellular pellets of thermoplastic resins. K. E. Stober. 2,576,977, Dec. 4.
Making improved hand coverings. E. M. Steinle. 2,577,284, Dec. 4.
Making textured building blocks. Alfred and Arthur Gibson. 2,577,241, Dec. 4.
Manufacture of mineral wood, Method and apparatus for the. E. R. Powell. 2,577,431, Dec. 4.
Manufacturing cutting tools, such as scissors and knives. C. F. Ern, Jr. 2,577,316, Dec. 4.
Manufacturing electrodes. W. S. Brian. 2,577,103, Dec. 4.
Marine fender. M. R. Doherty. 2,577,236, Dec. 4.
Massaging machine. W. T. Cameron. 2,577,646, Dec. 4.
Master cylinder for hydraulic transmission systems. J. H. Pratt, G. E. Manley, and A. H. Girling. 2,577,153, Dec. 4.
Measuring device, Compensated specific gravity. O. B. Vetter. 2,577,548, Dec. 4.
Measuring instrument, including registering means. H. W. Teter. 2,577,492, Dec. 4.
Measuring instrument with registering means. H. W. Teter. 2,577,491, Dec. 4.
Mechanical movement. C. J. Burkland. 2,577,675, Dec. 4.
Mechanical record sensing device. R. E. Cheney. 2,577,070, Dec. 4.
Mechanism for controlling the actuation of electromagnetic coils. E. Carlson. 2,577,307, Dec. 4.
Mechanism for regulating synchronizing impulse transmissions. C. C. Gall. 2,577,415, Dec. 4.
Melamine, Preparation of. L. C. Lane. 2,577,201, Dec. 4.
Melamine salt of penicillin. L. C. Cheney. 2,577,698, Dec. 4.
Mercury switch. A. S. Dysart. 2,577,653, Dec. 4.
Meshlike ornamental articles, Manufacture of. A. Hofleiter. 2,577,584, Dec. 4.
Metallic structures for delaying unipolarized waves. W. E. Kock. 2,577,619, Dec. 4.
Meter: *See*—
Charged-particle energy Radiation meter.
meter.
Metering valve. C. H. Traver. 2,577,639, Dec. 4.
Micrometer scribing tool. W. Kozlowski. 2,577,334, Dec. 4.
Microphone, Accordion. E. H. Terlinde. 2,577,288, Dec. 4.
Microspheroidal gel particles, Manufacture of. W. A. Rex and K. J. Nelson. 2,577,631, Dec. 4.
Microwave filter. S. B. Cohn. 2,577,510, Dec. 4.
Microwave scanning system and method. G. L. Fernster. 2,577,117, Dec. 4.
Mine car sealing device. H. W. Sanford. 2,577,040, Dec. 4.
Mirror, Wall. C. A. Laystrom and H. R. Sigler. 2,577,661, Dec. 4.
Mixing glass, Method and apparatus for. G. Slayter and E. Fletcher. 2,577,213, Dec. 4.
Model making apparatus. E. L. Kibler. 2,577,250, Dec. 4.
Modulating microwave energy, Method of and system for. L. E. Norton. 2,577,146, Dec. 4.
Mold construction. W. Ferrell. 2,577,412, Dec. 4.
Mold treating apparatus. D. C. Johnson, H. L. Warner, and A. A. Zambruno. 2,577,196, Dec. 4.
Mopping apparatus. D. C. Wolfer. 2,577,496, Dec. 4.
Mops, Manufacture of. P. M. Rogers. 2,577,037, Dec. 4.
Mounting and protecting device, Mirror. O. C. Kelly. 2,577,526, Dec. 4.
Mounting for jettisonable aircraft engines. C. W. Willis. 2,577,058, Dec. 4.
Mounting for motorcycles, Saddle bag. J. S. Ashdowne. 2,577,560, Dec. 4.
Mulch-tiller-planter. R. R. Poynor. 2,577,363, Dec. 4.
Multicompartment traveling bag. E. E. Adams. 2,577,670, Dec. 4.
Multiple control valve. G. C. Huppertz. 2,577,524, Dec. 4.
Multiple drive press with multiple clutch. R. E. Wissman. 2,577,641, Dec. 4.
Multiple lever tool. W. F. Tibbetts. 2,577,638, Dec. 4.
Multiple spout container. F. Wood, Jr. 2,577,293, Dec. 4.
Multishell fluid storage apparatus. J. H. Wiggins and J. W. Allen. 2,577,171, Dec. 4.
Multivibrator. A. H. Dickinson. 2,577,074, Dec. 4.
Narcotic dispenser. R. D. Masure. 2,577,344, Dec. 4.
Nose drop dispenser. J. B. Filger. 2,577,321, Dec. 4.
Nozzle assembly, Sander. V. L. Frantz. 2,577,009, Dec. 4.
Nozzle attachment for spray guns, Foam. F. C. Lundberg. 2,577,025, Dec. 4.
Nozzle for hydrating cementitious substances under pressure, Discharge. G. M. Pro. 2,577,664, Dec. 4.
Nozzle spray head, Multiple. F. W. Wahlin. 2,577,350, Dec. 4.
Nozzle, Sprayer. F. C. Lundberg. 2,577,024, Dec. 4.
Nut cracker with reciprocating jaw. H. A. Brechelsen. 2,577,645, Dec. 4.
Obtaining pectin and citric acid from their source materials. G. M. Cole. 2,577,232, Dec. 4.
Oil burner. A. G. Edvinson and B. K. Danielsson. 2,577,238, Dec. 4.
Oil filter. B. H. Von Pentz. 2,577,169, Dec. 4.
Oil pan for engines, Composite. M. F. Hall. 2,577,188, Dec. 4.
Oil waste retainer for railroad journal boxes. O. O. Meranda. 2,577,622, Dec. 4.
Oil well derrick. H. J. Woolslayer, C. Jenkins, and W. H. Luttgen. 2,577,842, Dec. 4.
1,4-bis-(3-aminopropoxy)-cyclohexane. G. B. May and J. W. Fisher. 2,576,959, Dec. 4.
Onion halving device. R. M. Magnuson. 2,577,086, Dec. 4.
Opener, Container. J. B. Donnelly. 2,576,926, Dec. 4.
Organ valve. J. C. Hallman. 2,577,580, Dec. 4.
Oscillating header tube orchard sprayer. R. D Malin. 2,577,537, Dec. 4.
Oscillator, Thermionic valve. J. A. B. Davidson. 2,577,235, Dec. 4.
Outsoles, Preparing. E. F. Small. 2,577,371, Dec. 4.
Oven light with door operated switch, Plural compartment. M. Resek, W. M. Day, and J. R. Kirkpatrick. 2,577,541, Dec. 4.
Overload protection for drive motors of automatic washing machines and the like. J. C. Worst. 2,577,173, Dec. 4.
Oxidizing hydrocarbons, Method of. J. C. Walker. 2,577,053, Dec. 4.
Oxygen converter, High-pressure liquid. W. A. Wildhack. 2,576,984, Dec. 4.
Oxygen converter, Liquid. W. A. Wildhack. 2,576,985, Dec. 4.
Packaging material and packaging. H. Jenett. 2,577,249, Dec. 4.
Page control and page control release for typewriters. L. Yutang. 2,577,062, Dec. 4.
Paint applicator, Ceiling and wall. J. O. Lee. 2,577,339, Dec. 4.
Pallet for cake or bar soap. O. T. Eames. 2,577,114, Dec. 4.
Pallet rack. S. Saul, Jr. 2,577,276, Dec. 4.
Paper and producing same, Mineral-coated. G. E. Niles. 2,577,624, Dec. 4.
Papers and compositions for preparing same, Coated. G. R. Barrett. 2,576,914, Dec. 4.
Parachute, Variable vent. M. L. Taylor. 2,577,047–8, Dec. 4.
Paring or coring tool. P. A. Crandell. 2,577,406, Dec. 4.
Peanut curing pole. E. D. Wright. 2,577,557, Dec. 4.
Penholder cap with ink container. M. Fried. 2,577,078, Dec. 4.
Penicillin anhydrides. D. E. Cooper. 2,577,699, Dec. 4.
Perfume containing painting. J. Fenyo. 2,577,320, Dec. 4.
Permanent waving compositions and methods. E. G. McDonough. 2,577,710, Dec. 4.
Permanent waving compositions and methods. E. G. McDonough. 2,577,711, Dec. 4.
Permutation switch. H. Haskett. 2,577,681, Dec. 4.
Phonograph controls, Multiple coin-operated. F. Sager. 2,577,272, Dec. 4.
Phonograph turntable, Universal. J. D. Reid. 2,577,035, Dec. 4.
Phosphorus oxysulfides, Production of. J. C. Pernert. 2,577,207, Dec. 4.
Photoflash control system. P. S. Hoffman. 2,577,683, Dec. 4.
Photographic element with colloid layer containing color former and nonionic wetting agent. A. B. Jennings and O. W. Murray. 2,577,127, Dec. 4.
Photoprint washer. W. A. Lens. 2,577,136, Dec. 4.
Piano action. W. S. Finholm. 2,577,573, Dec. 4.
Pickup guard. R. E. Goesch. 2,577,324, Dec. 4.
Picture, Character. P. A. Riley. 2,577,270, Dec. 4.
Pie edge crimper. V. S. Paschis. 2,577,032, Dec. 4.
Pillow and case, Articulated. J. J. Tobias. 2,577,595, Dec. 4.

Pin curl clip. C. R. Cochran. 2,577,452, Dec. 4.
Pipe mold and making the same. R. E. Ludwig and H. L. MacBride. 2,577,423, Dec. 4.
Piston packing rings and arrangement thereof. M. W. Marien. 2,577,140, Dec. 4.
Piston ring. H. Lieberherr. 2,577,022, Dec. 4.
Pitting and slicing mechanism, Combined. W. W. Kelly. 2,577,527, Dec. 4.
Plastic binding of hard cased books. L. and P. de Florez, and O. L. Gore. 2,577,568, Dec. 4.
Plastic rubber compositions. W. C. Klingel. 2,576,945, Dec. 4.
Playing card container. W. Dubilier. 2,577,007, Dec. 4.
Pliers, Electrical soldering. F. Durst. 2,577,515, Dec. 4.
Plow, Tractor-mounted two-way. W. C. Toland. 2,577,384, Dec. 4.
Plug: *See*—
Tank plug.
Pocket, Garment. I. M. Falk. 2,577,318, Dec. 4.
Polyamides of high molecular weight utilizing 1:4-bis-(3-aminopropoxy)-cyclohexane, Production of. G. B. May and J. W. Fisher. 2,577,621, Dec. 4.
Polyethylene polyamine activated organic peroxide catalyzed synthetic rubber emulsion polymerizations. R. L. Provost. 2,577,432, Dec. 4.
Polymeric vinylidene chloride compositions. E. D. Serdynsky, J. S. Gowing, R. M. Wiley, and C. B. Havens. 2,577,635, Dec. 4.
Polymerization termination agent. W. H. Watson. 2,577,390, Dec. 4.
Polyoxypropylene-benzenesulfonamides. L. G. Lundsted. 2,577,256, Dec. 4.
Popping corn. H. A. Skinner. 2,577,666, Dec. 4.
Portable garment hanger. E. E. Bailey. 2,577,397, Dec. 4.
Portable gun rack. J. E. Nogle. 2,577,713, Dec. 4.
Potassium titanium fluoride, Production of. H. C. Kawecki. 2,577,130, Dec. 4.
Power measuring system. T. S. Saad. 2,577,543, Dec. 4.
Precision driving system. D. G. C. Hare. 2,577,190, Dec. 4.
Preparing dental prosthesis, Method and appparatus for. J. J. Jablonski and C. I. Hummer. 2,577,420, Dec. 4.
Preparing methacrolein from the dimer thereof. N. M. Bortnick. 2,577,445, Dec. 4.
Press for super-posed impressions, Bed and cylinder. G. Kargl. 2,577,016, Dec. 4.
Pressurge gauge. R. L. Coultrip. 2,577,608, Dec. 4.
Pressure measuring device. W. A. Arnold. 2,577,066, Dec. 4.
Pressure operated mechanism. S. Hackney. 2,577,462, Dec. 4.
Pressure regulator. E. J. Dillman. 2,577,455, Dec. 4.
Pressure-sensitive adhesives. C. O. Pike and C. W. Bemmels. 2,576,968, Dec. 4.
Preventing corrosion of metals. C. Phillips, Jr. 2,577,626, Dec. 4.
Price tag holder. J. M. Pratt. 2,576,950, Dec. 4.
Producing a fabric construction for reinforcing plastics and product. F. J. Meyer and G. K. Hammond. 2,577,205, Dec. 4.
Producing an ink-receptive surface on tracing cloth. J. H. Buscher. 2,576,921, Dec. 4.
Producing fibers, Method and apparatus for. G. S. McElroy. 2,577,204, Dec. 4.
Producing fibrin from whole blood. P. N. E. Naidu and L. W. Murphy. 2,577,353, Dec. 4.
Projector, Golf ball. G. E. Florer. 2,577,186, Dec. 4.
Propeller blades, Making. G. T. Lampton. 2,577,336, Dec. 4.
Propeller pitch change mechaniam. C. W. Chillson. 2,577,603, Dec. 4.
Propeller pitch changing mechanism. C. W. Chillson. 2,577,604, Dec. 4.
Prophylactic, Mechanical. F. L. McEwen. 2,577,345, Dec. 4.
Pteridines and preparing the same, Substituted. B. Roth. 2,577,039, Dec. 4.
Pulse discriminator system. C. H. Smith, Jr. 2,576,975, Dec. 4.
Pulse forming and shaping circuits. B. M. Oliver. 2,577,355, Dec. 4.
Pulse measuring device. W. C. Anderson. 2,577,499, Dec. 4.
Pulse regenerator circuit. W. H. Bliss. 2,577,444, Dec. 4.
Pulse transformer. Q. A. Kerns and W. R. Baker. 2,577,707, Dec. 4.
Pump: *See*—
Ball pump.
Pump. F. Stephan. 2,577,285, Dec. 4.
Pump assembly, Submersible. J. E. Armstrong and F. Jacuzzi. 2,577,559, Dec. 4.
Pump combination. E. R. Halpin. 2,577,417, Dec. 4.
Pump with shock absorber, Fluid operated. C. J. Coberly. 2,576,923–4, Dec. 4.
Purification of benzhydryl ethers. E. H. Ensor and J. H. Speer. 2,577,076, Dec. 4.
Quaternary phenanthridinium compounds. L. P. Walls and F. C. Copp. 2,577,367, Dec. 4.
Rack: *See*—
Pallet rack. Portable gun rack.
Radar system, Directional. K. T. Bainbridge. 2,577,502, Dec. 4.
Radial spline impeller drive for turbochargers. M. L. Land. 2,577,134, Dec. 4.
Radiation meter. C. C. Lauritsen. 2,577,253, Dec. 4.
Radio beacon system. J. W. Alexander and B. J. Wesselink. 2,577,443, Dec. 4.
Radio distance measuring system. E. G. Newsom. 2,576,963, Dec. 4.
Radio-frequency transponder. D. G. C. Hare. 2,577,520, Dec. 4.
Railway rail. G. R. Burkhardt. 2,577,601, Dec. 4.
Raising dough temperatures. R. N. Winfree. 2,577,220, Dec. 4.
Ratchet for coin controlled machines. L. P. Klopner. 2,577,199, Dec. 4.
Reacting 1-alkene hydrocarbons with an ester typified by diethyl dichloromalonate. E. C. Ladd. 2,577,422, Dec. 4.
Reaction products of (A) copolymers of maleic anhydride and monovinyl compounds and (B) chlorophenols or nitrophenols. R. B. Seymour. 2,577,041, Dec. 4.
Reading unit for small holes. C. D. Lake and W. Pfaff. 2,577,083, Dec. 4.
Reciprocating strip feeding mechanism. E. Laxo. 2,577,084, Dec. 4.
Record changer, Phonograph. C. B. Dale. 2,577,648, Dec. 4.
Record controlled alphabetic printing machine. R. H. Sampson. 2,577,092, Dec. 4.
Recovering wax from sugar cane. V. Merz. 2,577,587, Dec. 4.
Recovery of hydrocarbons from gaseous streams. W. G. Scharmann. 2,577,634, Dec. 4.
Red brass, capable of being hot-worked. W. E. McCullough. 2,577,426, Dec. 4.
Reel: *See*—
Automatic fishing reel. Sewer rod reel.
Reel mechanism, Takeup. W. J. Volckhausen. 2,577,168, Dec. 4.
Reel spider for lawn mowers. G. M. Waller. 2,577,291, Dec. 4.
Refining of animal and vegetable oils. M. Mattikow. 2,576,957, Dec. 4.
Refining of animal and vegetable oils. M. Mattikow. 2,576,958, Dec. 4.
Refractory lining for domestic furnaces. W. N. Butterworth. 2,577,400, Dec. 4.
Refrigeration expansion valve. F. Y. Carter. 2,577,450, Dec. 4.
Register, Autographic. M. L. Bright. 2,577,447, Dec. 4.
Register, Autographic. L. E. Zurbuchen. 2,577,395, Dec. 4.
Registering impressions in multiunit sheet printing machines. A. J. Albrecht. 2,577,099, Dec. 4.
Regulated rectifying apparatus. J. A. Potter. 2,577,151, Dec. 4.
Regulator: *See*—
Gas service pressure regu- Pressure regulator.
lator.
Releasable article carrier. C. E. Hutchison and W. F. Spivey, Jr. 2,577,464, Dec. 4.
Remote-control device. E. Meili. 2,577,662, Dec. 4.
Remote motor control. C. W. Mott. 2,577,351, Dec. 4.
Removal of radioactive contaminants. J. De Ment. 2,577,514, Dec. 4.
Removing carbon and carbonaceous deposits from heat exchanger equipment. S. D. Lawson. 2,577,254, Dec. 4.
Resilient work support for glass marking or cutting machines. F. G. Schwalbe. 2,577,486, Dec. 4.
Resistance welding and resistance weld testing. E. R. Spittler and I. W. Johnson. 2,577,163, Dec. 4.
Restricted butterfly valve. W. E. Houk. 2,577,657, Dec. 4.
Retaining ring. R. Feiti. 2,577,319, Dec. 4.
Retractible side wall core barrel. J. H. Page. 2,577,625, Dec. 4.
Rhodium plating. F. H. Reid. 2,577,364–5, Dec. 4.
Ring: *See*—
Piston ring. Retaining ring.
Road grader. J. G. Macdonald. 2,577,340, Dec. 4.
Rod: *See*—
Fishing rod.
Roof construction. A. B. Hammitt and H. L. Birum, Jr. 2,577,581–2, Dec. 4.
Rotary hydraulic coupling. R. P. Clifton. 2,577,404, Dec. 4.
Rotary switch. L. G. Barry. 2,577,225, Dec. 4.
Rotatable hollow-head debarker mounting flexible bark-removing elements. J. Åström. 2,576,912, Dec. 4.
Rot-resistant insulated cable. H. C. Witthoft. 2,577,059, Dec. 4.
Rubberlike cured polyesters containing calcium silicate and producing same. D. W. Jayne, Jr., and H. M. Day. 2,577,618, Dec. 4.
Safety device for polish rod mountings of deep well pumps. G. E. Owen and H. L. Brendt. 2,577,479, Dec. 4.
Safety device for pressurized cabin doors. J. B. Castle. 2,577,697, Dec. 4.
Sandblast gun. A. Jones, E. J. Kessels, and F. A. Ruggles. 2,577,465, Dec. 4.
Sanding and buffing tool. E. C. Applegate. 2,577,498, Dec. 4.

Saw for tractors, Cutoff. C. R. Carr. 2,577,448, Dec. 4.
Scale, Hydraulic. O. J. Alvarez. 2,577,100, Dec. 4.
Screen: *See*—
Stand-up flexible screen.
Screen frame. E. O. Spears and R. G. Clawitter. 2,577,379, Dec. 4.
Sealing tape for tubular bag bodies. W. J. Gelmer and F. R. Linda. 2,576,933, Dec. 4.
Seat attachment. E. M. Kinney. 2,577,197, Dec. 4.
Seed cleaner. J. E. Bradley. 2,577,565, Dec. 4.
Selective manual control for automatic change-speed transmissions. M. C. Krueger. 2,577,660, Dec. 4.
Self-compensating measuring bridge circuit having automatic control and/or alarm. H. J. Roosdorp. 2,577,483, Dec. 4.
Separating organic compounds. A. P. Lien, W. J. Zimmerschied, and W. S Higley. 2,577,202, Dec. 4.
Separation of americium from solutions containing the same. L. B. Werner. 2,577,097, Dec. 4.
Separation of conidendrin from liquors containing the same. H. B. Lackey. 2,577,470, Dec. 4.
Separation of fatty oil from solid bleaching agents. W. P. Gee. 2,577,079, Dec. 4.
Separation process. N. C. Robertson. 2,577,156, Dec. 4.
Sewer rod reel. L. L. Loomis. 2,577,532, Dec. 4.
Sewing machine, Needle feed. A. C. Peterson and C. C. Smith. 2,577,430, Dec. 4.
Shade structure, Louvered. L. S. Eschrich. 2,577,317, Dec. 4.
Shaft motion mechanism for looms. J. C. Iwald. 2,577,126, Dec. 4.
Shaft seal mechanism. L. J. Weber. 2,577,292, Dec. 4.
Shaped articles, Production of. E. Stirnemann. 2,577,381, Dec. 4.
Shaving device. H. Thirring. 2,577,383, Dec. 4.
Sheave construction. J. F. Vasselin. 2,577,547, Dec. 4.
Shelf for stepladder, Adjustable. R. T. Stewart. 2,577,718, Dec. 4.
Shelving, Vertically adjustable. H. O. Lundqvist. 2,577,138, Dec. 4.
Shield, Spark plug. H. W. Carson. 2,577,308, Dec. 4.
Shield, Sun and storm. G. S. Berman. 2,576,918, Dec. 4.
Shielded operator assembly for valved nozzles. W. Tuttle and T. A. C. Both. 2,577,245, Dec. 4.
Shielded terminal having a composite metal ferrule for a flexible conduit. W. A. Uline. 2,577,049, Dec. 4.
Shingle construction. F. L. Worsham. 2,577,695, Dec. 4.
Shoe, Rotary washover. M. L. Clayton. 2,577,605, Dec. 4.
Shuffleboard cue. C. E. Hammett. 2,577,189, Dec. 4.
Signaling system. H. Antranikian. 2,577,297, Dec. 4.
Signaling system, Voice-frequency. W. W. Fritschi and C. W. Lucek. 2,577,614, Dec. 4.
Silica sols, Producing stable. J. M. Rule. 2,577,484, Dec. 4.
Silica sols and resulting composition, Making stable. J. M. Rule. 2,577,485, Dec. 4.
Siphon, Radiator. A. A. Johnson. 2,577,014, Dec. 4.
Sizing yarns and composition therefor. G. R. Barrett. 2,576,915, Dec. 4.
Slow descent device for aircraft. P. Orazi. 2,577,031, Dec. 4.
Smoking and tenderizing meat products, Method and apparatus for. C. E. Dillon. 2,576,925, Dec. 4.
Solution polymerization. W. W. Crouch. 2,577,677, Dec. 4.
Sound film drive. F. B. Dibble. 2,577,652, Dec. 4.
Sound film drive and guide. T. C. Smith, F. H. M. Hart, and W. A. Freer. 2,577,162, Dec. 4.
Speaker cabinet. E. P. Kennedy. 2,577,528, Dec. 4.
Speed adjustment for phonograph turntables. C. B. Dale. 2,577,649, Dec. 4.
Spherical bore gauge. K. H. Meuller and H. V. Törnebohm. 2,577,262, Dec. 4.
Spray device for washing machines. F. G. Walker. 2,576,982, Dec. 4.
Sprayer, Dry powder. E. Gustafsson, J. W. Baur, and T. Kern. 2,577,519, Dec 4.
Spring suspension for vehicles. H. R. Hayes. 2,576,935, Dec. 4.
Sprinkler control. K. P. Lancaster. 2,577,337, Dec. 4.
Sprocket and roller combination for trussed tracks. H. Y. Law. 2,577,471, Dec. 4.
Stabilizing cellulose yarns. J. A. Stokes. 2,577,593, Dec. 4.
Stand: *See*—
Colostomy screen stand.
Stand-up flexible screen. S. E. Waite. 2,577,667, Dec. 4.
Steam generating apparatus. P. Arant. 2,576,988, Dec. 4.
Steering pilot. G. H. Taber. 2,577,490, Dec. 4.
Stencil and folder, Composite. R. W. Sherman. 2,576,972, Dec. 4.
Stone tracer. R. S. Mackenzie. 2,577,535, Dec. 4.
Stool, Step. N. Sussman. 2,577,438, Dec. 4.
Storage tank liquid level measuring device. H. A. Quist 2,577,629, Dec. 4.
Strap clamping and tensioning means. G. H. Windsor. 2,576,986, Dec. 4.
Stripping cut and creased sheets. H. J. Luehrs. 2,577,424, Dec. 4.
Sulfurization of lard oil. E. H. Sperry. 2,577,636, Dec. 4.
Supplying plasticizable carbonaceous solids into a gasification zone. B. E. Roetheli. 2,577,632, Dec. 4.
Support: *See*—
Adjustable eaves trough support.
Supported aluminum-halide-carbon catalyst, Preparation of. H. R. Sailors. 2,577,591, Dec. 4.
Surgical clamp tool. H. A. Hinckley and R. C. Hawkins. 2,577,012, Dec. 4.
Surgical injection apparatus. A. Piechaczek. 2,577,481, Dec. 4.
Surgical table. R. Anderson. 2,577,177, Dec. 4.
Suture hemostat. R. L. Findley. 2,577,240, Dec. 4.
Sweeper, Tractor operated straw. P. H. Oppegaard. 2,577,264, Dec. 4.
Switch: *See*—
Crossbar switch.
Mercury switch.
Permutation switch.
Rotary switch.
Switchboard. E. T. Ball, J. G. Ferguson, and J. E. Greene. 2,577,101, Dec. 4.
Switch for automatic telephony, Cross-bar. G. B. Knös. 2,577,468, Dec. 4.
Switch pull mechanism. R. Popp. 2,577,362, Dec. 4.
Switching system. W. R. Johnson. 2,577,015, Dec. 4.
Switching system, Electric. C. H. Rex. 2,577,155, Dec. 4.
Synchronous controller. J. J. Alles. 2,577,296, Dec. 4.
Synthesis of hydrocarbons in the presence of a fluid phase catalyst. P. W. Garbo. 2,576,931, Dec. 4.
Syringe assemblies, including plural-compartment admixing ampoules for segregated storage of ingredients of liquid medicinal solutions and parts thereof, Hypodermic. M. L. Lockhart. 2,576,951, Dec. 4.
Table: *See*—
Surgical table.
Tag forming tool. L. C. Hauer. 2,577,192, Dec. 4.
Take-off of aircraft, Method and means for the. J. A. Troendlé. 2,577,385, Dec. 4.
Tall oil-melamine reaction product and process. P. C. Hamm. 2,577,418, Dec. 4.
Tandem spring suspension unit. V. L. Frazier. 2,577,322, Dec. 4.
Tank plug. H. A. Maguire. 2,577,586, Dec. 4.
Tanning of hides and skins with formals. R. C. Putnam. 2,577,033, Dec. 4.
Tape, Ladder. G. F. Brent. 2,577,227, Dec. 4.
Target, Electrical indicating. F. E. McAvoy 2,576,960, Dec. 4.
Telephone system, Automatic measured service. C. E. Lomax. 2,577,688, Dec. 4.
Telephone system, Call data recording automatic. T. L. Dimond and C. A. Wingardner. 2,577,609, Dec. 4.
Television color picture tube. A. Rose. 2,577,038, Dec. 4.
Televison system. M. Ponte. 2,577,628, Dec. 4.
Tetrachloroethylene, Manufacture of. G. W. Warren. 2,577,388, Dec. 4.
Tetracyanoethyl benzoguanamine. W. D. Niederhauser. 2,577,477, Dec. 4.
Textile fiber drafting element and making same. R. C. Treue. 2,576,980, Dec. 4.
Thermal converter. W. C. Downing, Jr., D. A. Eggleston, and J. M. Vanderleck. 2,577,111, Dec. 4.
Thermal cutout switches. J. Marcos. 2,577,425, Dec. 4.
Thimble guide valve. W. R. Parker. 2,576,965, Dec. 4.
Thionoimdazolidylethyl dithiocarbamates. W. J. Croxall and Chien-Pen Lo. 2,577,700, Dec. 4
Thread waxing device. J. F. McCarthy. 2,576,961, Dec. 4.
3-(methylpyrrolidyl-1)propyl para-(delta 2)-cyclohexenyloxybenzoates and salts thereof. W. B. Reid, Jr. 2,576,970, Dec. 4.
3 - substituted-22-monophenyl-bisnor-5,20-choladienes and production of pregnenolone therefrom. F. W. Heyl, M. E. Herr, and A. P. Centolella. 2,576,937, Dec. 4.
3-thienyl thioethers. J. W. Brooks and S. J. Lukasiewicz. 2,577,566, Dec. 4.
Time-delay circuit. F. K. Low. 2,577,137, Dec. 4.
Time switch attachment for alarm clocks. G. J. Hines. 2,577,583, Dec. 4.
Timer mechanism. R. C. Darnell. 2,577,004, Dec. 4.
Timer, Sequence and welding. D. P. Faulk. 2,577,411, Dec. 4.
Timing mechanism, Commutator. F. B. Woestemeyer. 2,577,172, Dec. 4.
Timing system, Automatic electric. J. Dobson. 2,577,408, Dec. 4.
Tire remover, Circumferentially traveling type frame mounted. E. D. Horne. 2,577,684, Dec. 4.
Tobacco curer with extinguishing means. F. H. Smith. 2,57,372, Dec. 4.
Tone-arm and trip-arm system for automatic phonographs. E. N. Voegtlin, C. D. O'Neal, and H. E. Johnston. 2,577,051, Dec. 4.
Tonsillectome. H. R. Grieshaber. 2,577,616, Dec. 4.
Tool: *See*—
Machine tool.
Micrometer scribing tool.
Multiple lever tool.
Paring or coring tool.
Sanding and buffing tool.
Surgical clamp tool.
Tag forming tool.
Wire tightening tool.
Tool for facilitating the removal of spring clips from sprocket chains and the like. P. J. Imse. 2,577,193, Dec. 4.

Toolholder. M. J. Steffes. 2,577,043, Dec. 4.
Tooth clamping device for combs. M. Wood. 2,57,098, Dec. 4.
Toy cable car system. A. Bianchi and W. H. Harman. 2,576,994, Dec. 4.
Toy construction element. J. de Swart. 2,577,702, Dec. 4.
Toy, Folding pull. P. S. Bolger. 2,577,102, Dec. 4.
Toy, Musical play pen. S. Zuckerman. 2,577,497, Dec. 4.
Toy vehicle with demountable body. E. W. Baggott. 2,576,990, Dec. 4.
Toy, Weighted figure. T. C. Martin. 2,577,343, Dec. 4.
Tourniquet clamp. O. L. Engstrom. 2,577,008, Dec. 4.
Traction providing device for automobile tires and the like. W. L. McGuinness. 2,577,142, Dec. 4.
Tractor for agricultural or road work. L. Dufour. 2,577,237, Dec. 4.
Trailer having a vertically movable body. A. T. Hill. 2,577,246, Dec. 4.
Transmission mechaniam. L. H. Frailing. 2,577,413, Dec. 4.
Transparent casting from styrene-polyester copolymer. G. L. Fraser and H. F. Park. 2,577,414, Dec. 4.
Trap: *See*—
Animal trap.
Trap. G. W. Oakes. 2,577,354, Dec. 4.
Trap for flying insects. J. C. Smith. 2,577,436, Dec. 4.
Tray, Dental. P. Cunningham. 2,577,513, Dec. 4.
Tray, Freezing. J. Williamson. 2,577,392, Dec. 4.
Treating tobacco and treated product. E. C. Crocker. 2,577,453, Dec. 4.
Treatment of citrus fruit. H. J. Keller. 2,577,421, Dec. 4.
Treatment of processed pickles. M. M. Scharf. 2,577,211, Dec. 4.
Trigger operated pulse amplitude selector. W. A. Miller. 2,577,475, Dec. 4.
Triggering in electronic switching devices. B. M. Hadfield. 2,577,578, Dec. 4.
Truing and balancing device for face type diamond grinding wheels. E. Speicher. 2,577,042, Dec. 4.
Tube: *See*—
Television color picture tube.
Tube and associated circuit, Cavity-resonator. G. Diemer. 2,577,454, Dec. 4.
Tube frame for Axminster looms. O. V. Payne. 2,577,265, Dec. 4.
Tunable radio frequency filter. S. B. Cohn. 2,577,511, Dec. 4.
2,4-diamino-5-phenyl-6-alkylpyrimidines. G. H. Hitchings, P. B. Russell, and E. A. Falco. 2,576,939, Dec. 4.
Universal coupling. F. C. Biggert, Jr. 2,577,508, Dec. 4.
Universal coupling. W. W. Slaght. 2,577,692, Dec. 4.
Universal panel mastering fixture. L. A. Bryant. 2,577,509, Dec. 4.
Valve: *See*—
Flow responsive valve.
Metering valve.
Multiple control valve.
Organ valve.
Refrigeration expansion valve.
Restricted butterfly valve.
Thimble guide valve.
Vent valve.
Valve. A. F. Friberg. 2,577,613, Dec. 4.
Valve. J. C. Williams. 2,577,391, Dec. 4.
Valve for steam systems, Air. G. E. Lucks. 2,576,954, Dec. 4.
Valve lifter. R. G. Miller. 2,577,474, Dec. 4.
Valve stop for hose nozzles. J. A. Logan and E. V. Lavallee. 2,577,255, Dec. 4.
Vane type hydraulic clutch. D. W. White. 2,577,057, Dec. 4.
Vaporization apparatus. J. C. Lincoln. 2,577,023, Dec. 4.
Vaporizing apparatus. H. R. Stagner. 2,576,976, Dec. 4.
Variable discharge mechanism. T. R. Ellerbeck. 2,577,315, Dec. 4.
Variable resistance device. H. L. Coyne, F. D. Fessler, L. N. Hampton, O. S. A. Mesch, and W. N. Thompson. 2,577,108, Dec. 4.
Vehicle: *See*—
Child's convertible vehicle.
Vehicle supported road sander. E. F. Connelly. 2,577,310, Dec. 4.
Vent valve. R. L. Gates. 2,577,654, Dec. 4.
Ventilator, Kitchen stove. W. A. Pledger. 2,577,150, Dec. 4.
Ventilator, Window. A. Nihon. 2,577,623, Dec. 4.
Venting closure, Linerless. J. A. Benner. 2,576,917, Dec. 4.
Vitamin-A ethers and esters, Production of. N. A. Milas. 2,577,538, Dec. 4.
Washer: *See*—
Photoprint washer.
Waste disposal apparatus. J. H. Powers. 2,577,152 Dec. 4.
Watch, Electric. A. E. Fillinger. 2,577,703, Dec. 4.
Water remover and air concentrator for refrigerating systems. J. R. Zwickl. 2,577,598, Dec 4.
Wave and tide power plant. C. G. Haskell. 2,577,325, Dec. 4.
Wave guide filter. M. D. Fiske. 2,577,118, Dec. 4.
Wave guide modulation apparatus. F. A. Jenks. 2,576,943, Dec. 4.
Wave guide T bridge detecting apparatus. R. V. Pound. 2,577,540, Dec. 4.
Wax compositions. D. W. Young and A. J. Morway. 2,577,643, Dec. 4.
Weed killer. F. J. Lee. 2,577,687, Dec. 4.
Weight measuring apparatus. F. W. Shrader and H. W. Bigge. 2,577,691, Dec. 4.
Welding a bundle of aluminum tubes. A. L. Hitchens and F. G. Stroke. 2,577,123, Dec. 4.
Well bridge. E. A. Deupree. 2,577,610, Dec. 4.
Well packer. R. C. Baker. 2,577,068, Dec. 4.
Well spudder. E. A. Campbell. 2,577,105, Dec. 4.
Wheel assembly for automotive couplers and the like, Spring caster. E. B. Hedgpeth. 2,577,244, Dec. 4.
Whipper, Cream. G. M. Larson. 2,576,947, Dec. 4.
Window shade roller bracket and actuating means, Combination. B. Svirsky. 2,577,046, Dec. 4.
Wing tip fin for airplanes, Twisted. R. Vogt. 2,576,981, Dec. 4.
Wiper, Windshield. E. C. Horton. 2,577,125, Dec. 4.
Wire coating apparatus. R. C. Kirley. 2,577,132, Dec. 4.
Wire garment hanger. N. S. McEwen. 2,577,473, Dec. 4.
Wire saw apparatus. H. E. Stratton. 2,577,545, Dec. 4.
Wire tightening device. B. W. and R. S. Benbow. 2,577,299, Dec. 4.
Wire tightening device. B. W. and R. S. Benbow. 2,577,301, Dec. 4.
Wire tightening tool. B. W. and R. S. Benbow. 2,577,300, Dec. 4.
Woodworking machine with a swingably adjustable tool spindle. L. E. Patterson. 2,577,206, Dec. 4.
Work handling and tooling mechanism. C. H. Adams and G. H. Pratt. 2,577,442, Dec. 4.
Work holder for articles to be lapped or ground, Rotatable. L. E. Donahue. 2,577,312, Dec. 4.
Wrap-around hose clamp. M. J. Zaleske. 2,577,063, Dec. 4.
Wrench turning device, Socket. L. A. Ross. 2,577,157, Dec. 4.
Yarn guard for Axminster tube frames. O. V. Payne. 2,577,267, Dec. 4.
Yarn winding device. A. W. Keight. 2,577,131, Dec. 4.
Zone reader, Inhibition. J. H. Brewer. 2,577,069, Dec. 4.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 4, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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Condition of Applications Under Examination at Close of Business Nov. 16, 1951

Total number of patent applications awaiting action, 105,336. Date of oldest new application, January 2, 1951; date of oldest amended application, December 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	1-17-51	1-11-51	2,232
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	3-28-51	4-3-51	1,087
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-27-51	3-26-51	1,529
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	1-31-51	1-30-51	1,984
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-3-51	4-9-51	1,051
6. SURLE, H. Carbon Chemistry (part)	3-5-51	3-5-51	1,934
7. GONSALVES, J. E., Optics; Photography (part)	3-30-51	3-14-51	1,299
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds.	2-9-51	2-8-51	1,797
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	2-6-51	2-6-51	1,552
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-27-51	1-25-51	1,182
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	2-21-51	2-24-51	994
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-27-51	2-17-51	1,014
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-5-51	2-7-51	1,212
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	2-8-51	1-30-51	1,616
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-10-51	3-12-51	1,258
16. LOVEWELL, N. N., Television, Telephony	1-18-51	1-17-51	1,284
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	1-19-51	1-19-51	1,655
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-17-51	1-18-51	1,553
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	1-24-51	1-20-51	1,141
20. BROWN, L. M., Miscellaneous Hardware Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	2-2-51	2-1-51	1,458
21. MADER, R. C., Textiles	1-10-51	1-10-51	1,503
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	1-24-51	1-24-51	1,255
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-24-51	1-18-51	819
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-24-51	3-23-51	1,620
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-27-51	2-13-51	1,360
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-25-51	1-18-51	1,208
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	1-2-51	12-26-50	2,114
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-2-51	1-26-51	1,535
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-24-51	1-16-51	1,516
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	3-16-51	3-16-51	1,572
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-14-51	3-12-51	1,986
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	2-2-51	2-1-51	1,292
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	2-27-51	2-12-51	2,193
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	2-16-51	2-16-51	1,277
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	1-6-51	1-12-51	1,643
36. McFADYEN, A. D., Measuring and Testing	1-19-51	1-16-51	1,365
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	3-20-51	3-17-51	1,235
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-5-51	2-1-51	1,360
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	3-16-51	3-13-51	2,084
40. DRUMMOND, E. J., Receptacles (part); Packages	2-1-51	2-1-51	2,605
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-19-51	1-18-51	1,209

*Commissioner's Examiners' Division.

219—	19: 2,577,023	241—	24: 2,577,353	251—	137: 2,577,654	260—239.1: 2,577,699	265—	40: 2,577,691	300—	16: 2,577,037
	2,577,243		38: 2,577,716		153: 2,577,255	239.5: 2,577,226		47: 2,577,100	304—	32: 2,577,286
	2,577,327		257: 2,577,152	252—	33.4: 2,577,706	239.55: 2,576,949	267—	17: 2,576,935	305—	8: 2,577,471
	21: 2,577,721	242—	43.6: 2,577,131		48.6: 2,577,636	249.7: 2,577,201	268—	58: 2,577,348	308—	89: 2,577,622
	26: 2,577,515		84.8: 2,577,532		2,577,719	249.9: 2,577,477	270—	57: 2,577,361		212: 2,577,589
	32: Re.23,435		109: 2,577,552		152: 2,576,913	250: 2,577,231	271—	2.3: 2,577,652	309—	29: 2,577,022
	39: 2,576,976		2,577,553		2,577,503	251.5: 2,577,039		2.6: 2,577,195		43: 2,577,140
	2,577,269		2,577,554		301.4: 2,577,161	256.4: 2,576,939		54: 2,577,084	311—	5: 2,577,177
	2,577,694		2,577,555		308: 2,577,218	286: 2,577,387		64: 2,576,956		55: 2,577,724
	47: 2,577,487		113: 2,577,168		313: 2,577,484	299: 2,577,700	273—	32: 2,577,690	312—	7: 2,577,528
220—	15: 2,577,171	244—	54: 2,577,058		2,577,485	326.3: 2,576,970		40: 2,577,637		31: 2,577,356
	25: 2,577,221		82: 2,577,439		389: 2,577,626	329: 2,577,191		102.2: 2,576,960		47: 2,577,344
	96: 2,577,001		91: 2,576,981		442: 2,577,591	2,577,566		129: 2,577,189		107: 2,577,101
222—	3: 2,577,045		102: 2,577,385		448: 2,577,631	344.6: 2,577,470		2,577,222		242: 2,577,011
	17: 2,577,115		103: 2,577,416		453: Re.23,438	396: 2,577,505		145: 2,577,087		270: 2,577,396
	25: 2,577,682		118: 2,577,287	253—39.15:	2,577,179	397.4: 2,577,018	274—	11: 2,577,162	313—	58: 2,577,314
	135: 2,577,315		129: 2,577,697	254—	89: 2,577,374	397.5: 2,576,937		23: 2,577,051		68: 2,577,164
	177: 2,576,941		139: 2,577,031		2,577,375	397.6: 2,577,708		38: 2,577,149		74: 2,577,628
	309: 2,577,572		145: 2,577,047		2,577,376	406: 2,577,208		39: 2,577,035		77: 2,577,038
	324: 2,577,036		2,577,048		2,577,377	412.5: 2,577,079	276—	43: 2,577,672		340: 2,577,239
	385: 2,577,417	248—	35: 2,576,969		2,577,378	2,577,587	277—	20: 2,577,524	315—	6: 2,577,454
	449: 2,577,687		48.1: 2,577,006	255—	1.4: 2,577,625	424: 2,576,958	279—	4: 2,577,856		14: 2,577,112
223—	25: 2,577,167		240: 2,577,399		11: 2,577,105	426: 2,576,957	280—	8: 2,577,459		24: 2,576,948
	86: 2,577,567	250—	15: 2,577,520		61: 2,577,605	449: 2,577,017		33.15: 2,577,145		26: 2,577,368
224—	32: 2,577,560		17: 2,577,512	259—	9: 2,576,995	2,577,563		41: 2,577,290		76: 2,576,934
	42.42: 2,577,263		20: 2,576,979		24: 2,577,010	449.6: 2,576,931		2,577,579		157: 2,577,352
228—	17: 2,577,718		2,577,489		30: 2,577,185	450: 2,577,634		104.5: 2,577,322		229: 2,577,411
	30: 2,577,438		2,577,506		151: 2,577,664	451: 2,577,053		153: 2,577,673	318—	29: 2,577,696
229—	5.7: 2,577,148		27: 2,576,975		180: 2,577,213	452: 2,577,156	282—	22: 2,577,447		47: 2,577,190
	14: 2,577,588		2,577,015	260—	2.5: 2,577,279	454: 2,577,409	286—	9: 2,577,292	320—	32: 2,577,094
	16: 2,577,007		2,577,075		2,577,280	483: 2,577,133	287—20.1:	2,577,119	321—	19: 2,577,151
	17: 2,577,304		2,577,147		2,577,281	2,577,422		108: 2,577,311		57: 2,577,258
	25: 2,577,109		2,577,355		17.5: 2,577,390	491: 2,577,538	290—	4: 2,577,003	323—	43.5: 2,577,551
	37: 2,577,305		2,577,475		27: 2,577,709	556: 2,577,256	291—	11: 2,577,009		44: 2,577,707
	45: 2,577,248		2,577,499		29.6: 2,576,915	563: 2,576,959	292—	17: 2,577,507	332—	9: 2,576,938
230—	116: 2,577,134		2,577,522		2,576,955	570: 2,577,076		97: 2,576,978		18: 2,577,146
232—	1: 2,577,401		2,577,578		30.6: 2,577,635	2,577,234		173: 2,577,216		26: 2,577,297
	33: 2,576,964		33.63: 2,577,158		31.2: 2,576,944	570.5: 2,577,121	294—	5.5: 2,577,360	343—	7: 2,577,536
233—	1: 2,577,326		2,577,463		33.6: 2,576,968	601: 2,577,445		33: 2,577,676		11: 2,577,166
235—	2: 2,577,395		2,577,619		40: 2,577,618	654: 2,577,388		87.24: 2,577,464		2,577,502
	61.11: 2,577,070		33.65: 2,577,117		41.5: 2,576,909	676: 2,577,202	296—	49.2: 2,577,561		13: 2,576,963
	2,577,083		2,577,469		45.4: 2,577,414	261—	26: 2,577,389	299—	25: 2,577,337		100: 2,576,943
	86: 2,577,544		36: 2,577,074		47: 2,577,041	33: 2,576,947			37: 2,577,537		2,577,668
236—	66: 2,576,954		2,577,235		78: 2,577,621	38: 2,577,435			62: 2,577,238		107: 2,577,443
	92: 2,577,450		2,577,461		83.7: 2,577,677	93: 2,577,095			69: 2,576,982		113: 2,576,929
237—	69: 2,577,441		2,577,493		84.7: 2,577,432	114: 2,576,946			89: 2,577,024		
238—	125: 2,577,601		71: 2,577,030		97.5: 2,577,198	263—	19: 2,577,655			2,577,025	
240—	5: 2,577,541		83.3: 2,577,109		2,577,418		51: 2,577,170		95: 2,577,245		
	78: 2,577,174		2,577,253		209.5: 2,577,232	264—	1: 2,577,061		140: 2,577,437		
		251—	11: 2,577,657		239.1: 2,577,698		15: 2,577,052		141: 2,577,550		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.23,437:	138—30	2,577,014:	137—20	2,577,182:	43—90	2,577,290:	280—41	2,577,431:	18—2.5	2,577,628:	313—74
2,576,909:	260—41.5	2,577,017:	260—449	2,577,184:	99—419	2,577,297:	332—26	2,577,433:	91—3	2,577,636:	252—48.6
2,576,934:	315—76	2,577,019:	74—473	2,577,190:	318—47	2,577,299:	140—123	2,577,435:	261—38	2,577,644:	204—224
2,576,935:	267—17	2,577,023:	219—19	2,577,194:	115—.5	2,577,304:	229—17	2,577,466:	18—59	2,577,656:	279—4
2,576,938:	332—9	2,577,036:	222—324	2,577,213:	259—180	2,577,310:	214—65	2,577,493:	250—36	2,577,666:	99—82
2,576,943:	343—100	2,577,038:	313—77	2,577,217:	210—183	2,577,314:	313—58	2,577,514:	134—28	2,577,668:	343—100
2,576,944:	260—31.2	2,577,039:	260—251.5	2,577,218:	252—308	2,577,334:	33—27	2,577,516:	151—23	2,577,674:	154—1.6
2,576,947:	261—33	2,577,042:	51—169	2,577,240:	128—325	2,577,345:	128—132	2,577,521:	167—56	2,577,676:	294—33
2,576,948:	315—24	2,577,045:	222—3	2,577,245:	299—95	2,577,352:	315—157	2,577,529:	53—29	2,577,682:	222—25
2,576,951:	128—220	2,577,060:	51—298	2,577,247:	99—60	2,577,353:	241—24	2,577,549:	43—44.97	2,577,687:	222—449
2,576,952:	91—3	2,577,106:	250—83.3	2,577,249:	53—5	2,577,363:	111—63	2,577,551:	323—43.5	2,577,690:	273—32
2,576,958:	260—424	2,577,119:	287—20.1	2,577,257:	5—63	2,577,368:	315—26	2,577,559:	103—26	2,577,696:	318—29
2,576,968:	260—33.6	2,577,121:	260—570.9	2,577,260:	74—502	2,577,381:	18—47.5	2,577,572:	222—309	2,577,699:	260—239.1
2,576,980:	117—118	2,577,123:	113—118	2,577,261:	270—57	2,577,394:	198—25	2,577,585:	194—45	2,577,704:	99—204
2,576,991:	214—83.16	2,577,126:	139—133	2,577,263:	224—42.42	2,577,397:	211—118	2,577,588:	229—14	2,577,706:	252—33.4
2,576,992:	214—83.26	2,577,151:	321—19	2,577,268:	126—83	2,577,411:	315—229	2,577,594:	198—33		
2,576,995:	259—9	2,577,164:	313—68	2,577,273:	99—239	2,577,412:	18—42	2,577,597:	132—92		
2,577,010:	259—24	2,577,172:	200—37	2,577,286:	304—32	2,577,419:	139—20	2,577,626:	252—389		

Classification of Designs

D 3—19: Des. 165,338	D34—14: Des. 165,341	D47— 7: Des. 165,339	D52— 1: Des. 165,352	D58-12.6: Des. 165,346	D87— 3: Des. 165,324
D 9— 2: Des. 165,329	15: Des. 165,340	Des. 165,347	Des. 165,353	D64—11: Des. 165,332	D92— 1: Des. 165,317
D14— 3: Des. 165,320	D36— 8: Des. 165,325	Des. 165,348	D56— 1: Des. 165,321	D80— 9: Des. 165,328	Des. 165,327
6: Des. 165,331	D37— 1: Des. 165,318	D48—20: Des. 165,343	4: Des. 165,319	D81—10: Des. 165,351	
D15— 1: Des. 165,322	D44—21: Des. 165,344	23: Des. 165,326	Des. 165,354	19: Des. 165,335	
8: Des. 165,330	D45— 9: Des. 165,342	27: Des. 165,337	D57— 1: Des. 165,349	D85— 2: Des. 165,336	
D29—28: Des. 165,333	19: Des. 165,334	Des. 165,345	D58—12: Des. 165,323	D86— 9: Des. 165,350	

U.S. GOVERNMENT PRINTING OFFICE : 0—1951

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,336. Date of oldest new application, January 2, 1951; date of oldest amended application, December 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	1-26-51	1-30-51	1,367
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	3-29-51	3-15-51	1,071
44. HARVEY, L. P., Beds; Chairs, Seats	1-26-51	1-12-51	1,493
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	1-17-51	1-8-51	1,583
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	2-17-51	2-21-51	975
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	2-5-51	2-5-51	1,454
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	2-1-51	2-6-51	1,466
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	1-22-51	1-25-51	1,681
50. LEVIN, S., Synthetic Resins	5-16-51	5-3-51	1,511
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	1-22-51	1-18-51	1,089
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	1-23-51	1-23-51	2,319
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	3-8-51	3-1-51	1,133
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-13-51	2-2-51	1,610
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	3-10-51	3-13-51	1,129
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	3-10-51	3-9-51	1,669
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	3-1-51	2-28-51	1,794
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	2-5-51	2-2-51	1,236
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	2-23-51	2-19-51	1,291
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Reostats; Prime Mover Dynamo Plants.	2-5-51	1-30-51	1,105
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	1-31-51	2-5-51	1,437
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	2-8-51	2-1-51	1,434
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	3-9-51	3-3-51	1,720
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials, Fuel and Miscellaneous.	4-7-51	4-7-51	1,775
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-26-51	2-23-51	1,485
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	1-29-51	1-18-51	1,167
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	2-17-51	2-17-51	1,303
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	2-2-51	1-24-51	1,750
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	1-26-51	1-25-51	1,383
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	1-18-51	1-18-51	1,635
DESIGNS: A. BREHM, G. L., Industrial Arts	6-11-51	6-19-51	905
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	6-13-51	6-6-51	753

Total number of trade-mark applications awaiting action (including renewals and republications), 16,570. Date of oldest new application, April 19, 1951; date of oldest amended application, April 19, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	4-19-51	4-19-51	5,228
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	5-16-51	5-16-51	3,284
Renewals (All Classes)	9-7-51	10-11-51	603
Republications (All Classes)	9-26-51	10-11-51	314
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	4-30-51	4-25-51	3,912
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	5-14-51	5-14-51	3,229

Condition of Applications Under Examination at Close of Business Nov. 16, 1951

Total number of patent applications awaiting action, 105,336. Date of oldest new application, January 2, 1951; date of oldest amended application, December 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	1-17-51	1-11-51	2,232
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	3-28-51	4-3-51	1,087
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-27-51	3-26-51	1,529
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	1-31-51	1-30-51	1,984
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-3-51	4-9-51	1,051
6. SURLE, H. Carbon Chemistry (part).	3-5-51	3-5-51	1,934
7. GONSALVES, J. E., Optics; Photography (part)	3-30-51	3-14-51	1,299
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-9-51	2-8-51	1,797
9. BRANSON, J. H. (Acting). Pumps and Fans; Fluid Motors	2-6-51	2-6-51	1,552
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-27-51	1-25-51	1,182
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	2-21-51	2-24-51	994
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	2-27-51	2-17-51	1,044
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-5-51	2-7-51	1,212
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	2-8-51	1-30-51	1,616
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-10-51	3-12-51	1,258
16. LOVEWELL, N. N., Television, Telephony	1-18-51	1-17-51	1,284
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	1-19-51	1-19-51	1,655
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-17-51	1-18-51	1,553
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	1-24-51	1-20-51	1,141
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection, Safes; Canopies, Umbrellas and Canes.	2-2-51	2-1-51	1,458
21. MADER, R. C., Textiles	1-10-51	1-10-51	1,503
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	1-24-51	1-24-51	1,255
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-24-51	1-18-51	819
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-24-51	3-23-51	1,620
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-27-51	2-13-51	1,360
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-25-51	1-18-51	1,208
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	1-2-51	12-26-50	2,114
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-2-51	1-26-51	1,535
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-24-51	1-16-51	1,516
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	3-16-51	3-16-51	1,572
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-14-51	3-12-51	1,986
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	2-2-51	2-1-51	1,292
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	2-27-51	2-12-51	2,193
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	2-16-51	2-16-51	1,277
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	1-6-51	1-12-51	1,643
36. McFADYEN, A. D., Measuring and Testing	1-19-51	1-16-51	1,365
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	3-20-51	3-17-51	1,235
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-5-51	2-1-51	1,360
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	3-16-51	3-13-51	2,084
40. DRUMMOND, E. J., Receptacles (part); Packages	2-1-51	2-1-51	2,605
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-19-51	1-18-51	1,209

*Commissioner's Examiners' Division.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,777,945, F. H. Untiedt, Process of treating rubber latex; 1,852,447, W. H. Chapman et al., Method of producing rubber articles; 1,994,503, same, Composition of rubber-like material and method of making goods therefrom, D. C., W. D. N. Y. (Buffalo), Doc. —, *Dunlop Tire & Rubber Corp. et al.* v. *Marmax Associates, Inc.* Stipulation of discontinuance Nov. 7, 1951.

1,852,447. (See 1,777,945.)

1,976,789, R. K. Lee, Vibration damper, D. C., S. D. Ind. (Indianapolis), Doc. 2372, *H. A. King* v. *Schweitzer-Cummins Co.* Dismissed with prejudice Aug. 30, 1951.

1,994,503. (See 1,777,945.)

2,012,916, R. H. Pott, Impact tool, C. C. A., 4th Cir. (Baltimore), Doc. 6261, *Ingersoll-Rand Co. et al.* v. *Black & Decker Mfg. Co.* Decree affirming judgment of lower court Nov. 5, 1951.

2,033,131, C. Ellis, Reaction product and process of making same; 2,146,671, same, Adduct resin compositions and process of making same, D. C. N. J. (Newark), Doc. 239/50, *Ellis-Foster Co.* v. *Spencer Kellogg & Sons, Inc.* Consent order of dismissal Nov. 7, 1951.

2,112,073, A. P. Cunnyngham, Pneumatic hair curler; 2,112,074, same, Hair curler; 2,145,278, N. L. Solomon, same; 2,168,368, same, Slumber curler, D. C., S. D. N. Y., Doc. 49/17, *Solo Products Corp. et al.* v. *Damosel, Inc.* Order of dismissal on consent Nov. 2, 1951.

2,112,074. (See 2,112,073.) 2,145,278. (See 2,112,073.)

2,146,671. (See 2,033,131.) 2,168,368. (See 2,112,073.)

2,190,102, C. B. Herzinger, Garment hanger, D. C., S. D. Calif. (Los Angeles), Doc. 13182–BH, *W. J. Mills* v. *Chafin Sales Co. et al.* Patent held valid and infringed; plaintiff has waived right of injunction (notice Oct. 29, 1951).

2,239,831, M. J. Sadvary, Safety latch for gas valves, filed Nov. 1, 1951, D. C., S. D. Ind. (Indianapolis), Doc. 2865, *M. J. Sadvary* v. *Chambers Corp.*

2,267,968, K. C. Augenstein, Link bracelet; 2,515,817, same, Expansion bracelet, filed Mar. 12, 1951, D. C. Mass. (Boston), Doc. 51/250, *Speidel Corp.* v. *Louis Manheimer & Bros., Inc., et al.*

2,320,624, J. A. Love, Disk harrow, appeal filed June 4, 1951, C. C. A., 8th Cir. (St. Louis), Doc. 14385, *Continental Farm Equipment Co., Inc.* v. *Love Tractor, Inc.*

2,345,425, F. Phillips, Sod cutter, D. C., S. D. Ind. (Indianapolis), Doc. 2784, *F. Phillips* v. *L. Haynes.* Consent decree holding patent valid and infringed, injunction Oct. 17, 1951.

2,346,760, J. O. Kleber, Wave record mold, D. C., S. D. N. Y., Doc. 52/253, *Lincoln Records, Inc.* v. *Synthetic Plastics Corp.* Stipulation and order of discontinuance Nov. 2, 1951.

2,445,467, A. Berke, Shipping container, suit for declaratory judgment, D. C., S. D. N. Y., Doc. 50/130, *Metro Container Corp.* v. *Victory Container Corp.* Stipulation and order of discontinuance (notice Nov. 5, 1951).

2,471,363, D. B. Vincent, Process of making food products, filed Nov. 1, 1951, D. C., S. D. Fla. (Tampa), Doc. 2086, *D. B. Vincent, Inc.* v. *Clinton Foods, Inc.*

2,476,767, W. Rabkin, Container for photographic plates, D. C. N. J. (Newark), Doc. 129/50, *International Mutoscope Corp. et al.* v. *M. Enfield.* Consent decree for injunction Nov. 8, 1951.

2,503,032, P. de Samelson, Power booster for raising large type umbrellas, filed Nov. 7, 1951, D. C., S. D. N. Y., Doc. 71/5, *P. de Samelson* v. *The Troy Sunshade Co.*

2,515,817. (See 2,267,968.)

Re. 22,865, D. B. Vincent, Process of making a food product, filed Nov. 1, 1951, D. C., S. D. Fla. (Tampa), Doc. 2085, *Food Processes, Inc.* v. *Clinton Foods, Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 61,674. (See T. M. 381,484.)

T. M. 142,117. (See T. M. 381,484.)

T. M. 258,643, T. M. 284,713, Societe Anonyme Jean Patou, Perfumes, etc., filed Nov. 8, 1951, D. C., S. D. N. Y., Doc. 71/12, *Jean Patou, Inc.* v. *Gourielli, Inc.*

T. M. 284,713. (See T. M. 258,643.)

T. M. 341,156, Gordon's Dry Gin Co., Ltd., Gin, D. C., S. D. N. Y., Doc. 66/254, *Gordon's Dry Gin Co., Ltd.* v. *Gordon-O'Neill Co.* Consent judgment for injunction (notice Nov. 7, 1951).

T. M. 381,484, T. M. 142,117, T. M. 61,674, Royal Typewriter Co., Inc., Typewriting machine and parts thereof, filed Nov. 5, 1951, D. C., S. D. N. Y., Doc. 70/390, *Royal Typewriter Co., Inc.* v. *Zelandia Importers.*

T. M. 392,766, A. J. Weill, Fabric gloves, filed Nov. 2, 1951, D. C., S. D. N. Y., Doc. 70/380, *Daunelle, Inc.* v. *Bacmo-Postman Corp.*

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

T. M. 416,092, The Rainbow Art Co., Hand decorated glassware, D. C., S. D. W. Va. (Huntington), Doc. 536, *Rainbow Art Co., Inc.* v. *Sears, Roebuck and Co.* "Plaintiff does not have a valid technical trade-mark, prayer for injunction denied" (notice Sept. 26, 1951). To correct error in 651 O. G. p. 1267, formerly published as "Prayer for injunction denied."

T. M. 529,080, E. I. du Pont de Nemours & Co., Chemical compounds, more particularly described as being synthetic fiber-forming polymers, etc.: T. M. 536,272, same, Yarns, D. C., S. D. N. Y., Doc. 68/142, *E. I. du Pont de Nemours & Co.* v. *Affiliated Retailers, Inc.* Stipulation and order of discontinuance (notice Nov. 5, 1951).

T. M. 536,272. (See T. M. 529,080.)

NOTICES

Adjudicated Patents

(C. A. Ill.) Wakefield Patent No. 1,963,218, for a plurality of lamp containing units. Claim 2 *Held* invalid and not infringed. *F. W. Wakefield Brass Co.* v. *Mitchell Mfg. Co.*, 191 F.2d 577; — USPQ —.

(D. C. Mo.) Peremi and Toth Patent No. 2,077,808, for a window. Claim 7 *Held* invalid and not infringed. *General Bronze Corp.* v. *Cupples Products Corp.*, 99 F. Supp. 924; 89 USPQ 355.

(D. C. Mo.) Peremi and Toth Patent No. 2,084,355, for a window. Claims 11, 17, 21, 22, 29, 30, 32, and 33 *Held* invalid and not infringed. *Id.*

(D. C. Mo.) Peremi and Toth Patent No. 2,084,776, for a window. Claims 12, 16, 17, 18, and 20 *Held* invalid and not infringed. *Id.*

(D. C. Mo.) Peremi and Toth Patent No. 2,257,123, for a window construction. Claim 12 *Held* invalid and not infringed. *Id.*

(D. C. Mo.) Peremi & Toth Patent No. 2,304,063, for a window construction. Claims 1 and 5 *Held* if valid, not infringed. *Id.*

(D. C. Mo.) Peremi and Weimann Patent No. 2,473,298, for a window construction. Claim 4 *Held* not infringed. *Id.*

(C. A. Calif.) Leishman Reissue Patent No. 20,827, for an automatic tuning device for radio receivers. Claims 7 to 11 *Held* invalid. *Leishman* v. *General Motors Corp.*, 191 F.2d 522; — USPQ —.

(D. C. Mo.) Peremi and Toth Reissue Patent No. 23,045, for a window construction. Claims 1 and 2 *Held* invalid and not infringed. *General Bronze Corp.* v. *Cupples Products Corp.*, 99 F. Supp. 924; 89 USPQ 355.

Cancellation Notice

The Gifford Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Dominick J. Nicoletti, 15 Sherman St., New Rochelle, N. Y., to effect the cancellation of trade-mark registration of The Gifford Company, 96 Prince St., New York, N. Y., No. 344,035, dated March 9, 1937, and the notice of such proceeding sent by registered mail to the said The Gifford Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Gifford Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Nov. 9, 1951. *Assistant Commissioner of Patents.*

Classification Order No. 115

October 23, 1951

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

CHANGE SUBCLASS TITLES

In *Class 74, Machine Elements and Mechanisms* (Division 12), change the titles of each of subclasses 233, 234 and 236 to:

Plural driving surfaces, e. g., "V" belts.

and change the position of subclass 422 to precede subclass 420 and be indented as follows:

Gearing
Directly cooperating gears
42 Rack and pinion

ESTABLISH SUBCLASSES

In *Class 74, Machine Elements and Mechanisms* (Division 12)

(E. C. DARSCH, *Classifier*)

Control lever and linkage systems
Multiple controlled elements
Foot operated
47.5 Offset extension (to follow subclass 478)
Elements
Pedals
Extension
562.5 Offset (to follow subclass 562)

In *Class 292, Closure Fasteners* (Division 20)

(H. R. MOSELEY, *Classifier*)

336.3 **Operators with knobs or handles** (to follow subclass 336)

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		*Source*	
Class	*Subclass*	*Class*	*Subclass*
74	478.5	74	513
		74	562
74	562.5	74	479
		74	480
		74	562
		74	513
292	336.3	292	Various

IN THE DEFINITIONS:

3, Artificial Body Members

in subclass 2, cancel the definition and substitute:

2. Structures under the class definition adapted to replace or supplement missing or defective legs.

5, Beds

in subclass 334, add:

(1) Note.—For electrically heated blankets see Class 219, subclass 46.

in subclass 347, before "Note" place (*1*), and add:

(2) Note.—For electric heaters for mattresses see Class 219, subclass 46.

10, Bolt, Nail, Nut, Rivet, and Screw Making

in subclass 162, under "Search Class", insert:

29—METAL WORKING, subclass 58+, for machines and processes for feeding metal stock and blanks to a combined machine.
82—TURNING, subclass 2.5+, for devices to deliver or remove workpieces from a lathe.
218—BUTTON, EYELET AND RIVET SETTING, subclass 12, for machines for arranging buttons in uniform position to be fed to a button setting machine, and subclass 13 for machines to arrange one prong or tack fastener in uniform position for a setting machine.

15, Brushing, Scrubbing, and General Cleaning

in subclass 95, add:

Search Class—
29—METAL WORKING, subclass 90, for shot blasting metal and non-metal for the purpose of compacting the surface thereof.

29, Metal Working

in subclass 17, under "Search Class", insert:

125—STONE WORKING, subclass 24, for devices for separating mica or mica-like substance along its plane of cleavage.

in subclass 27, add:

Search Class—
82—TURNING, appropriate subclasses, for machines for turning the exterior of workpieces.

in subclass 58, under "Search Class", add:

218—BUTTON, EYELET AND RIVET SETTING, subclass 12, for machines for arranging buttons in uniform position to be fed to a button setting mechanism, and subclass 13, for machines to arrange one prong or tack fastener in uniform position for a setting machine.

in subclass 60, cancel "(1) Search this class, subclasses 24 and 38" and substitute:

Search this class, subclass—
211—for devices having a magazine for the work from which the work is fed to be operated upon by an assembly apparatus, and see the notes thereto.

in subclass 106, under "Search Class", add:

279—CHUCKS OR SOCKETS, subclass 20, for all conduit drill sockets.

in subclass 110, under Search note Group IV, under "Search Class", insert:

64—MACHINE ELEMENTS, SHAFTING AND FLEXIBLE SHAFT COUPLINGS, subclass 5, for gudgeons per se and the manner of attaching to the shaft, roll, drum or the like.

and in the "Index to Classes Referred to in Preceding Sections" insert:

64—MACHINE ELEMENTS, SHAFTING AND FLEXIBLE SHAFT COUPLINGS, gudgeons for rolls and rollers, sub. 5, IV.

in subclass 118, under "Search Class", add:

242—WINDING AND REELING, subclass 75, for devices to secure a web to the core or holder on which it is wound, and see the notes thereto.

in subclass 288, under "Search Class", insert:

144—WOODWORKING, subclass 288, for devices for holding wooden structures of some magnitude, such as doors, blinds, caskets, etc., in position to be operated upon.

30, Cutlery

in subclass 274, under "Search Class", cancel the reference to Class 144 and insert:

143—WOOD SAWING, subclass 17+, for sawing machines in which the saws are endless bands travelling over a plurality of pulleys, and subclass 32, for wood sawing machines using chain-saws.

in subclass 311, add:

Search Class—
29—METAL WORKING, subclass 281, for hand grips for tube applying or removing which have a tapered threaded point in the nature of a tap for gripping the work.

in subclass 329, cancel "(7) Note" and change "(9) Search Class" to *Search Class* and insert:

29—METAL WORKING, subclass 96+, for devices of the same general configuration as integral cutters which are clamped to a tool post but having a small removable and interchangeable blade which forms the immediate stock removing portion of the cutter.

32, Dentistry

in subclass 46, add:

Search Class—
29—METAL WORKING, subclass 76+, for devices and processes for filing metal, which may be defined as cutting metal by a hard instrument having its surface or surfaces sharply ridged.

38, Textiles, Ironing or Smoothing

in the class definition, add in order:

(2.5) Note.—See Class 29, METAL WORKING, subclass 90+, for machines and processes for condensing, compacting, smoothing, or polishing the surface of metallic or non-metallic articles, usually by rubbing with a smooth surface of greater hardness than that of the articles being operated upon.

in subclass 66, in "(1) Note", cancel "subclass 65, for presser roll covers, and"

in subclass 140, in "(1) Note", cancel "subclass 65, for presser roll covers:"

43, Fishing, Trapping and Vermin Destroying

in subclass 2, under "Search this class, subclass", cancel the reference to subclass 4 and insert:

17.5—for illuminated fish-attracting devices.

in subclass 7, under "Search this class, subclass", cancel the reference to subclasses 50 and 53, and insert:

43.1+—for floats and sinkers.

in subclass 12, cancel "Search this class, subclass" and the reference to subclass 5.

in subclass 25, cancel "Search this class, subclass" and the reference to subclasses 33 and 55.

in subclass 41, in "(1) Note", add:

Edible bait in an inedible bait holder of wrapper, cloth sack or the like form are here.

and add:

Search Class—
99—FOODS AND BEVERAGES, subclass 3, for processes of treatment and preparation of animal lures or baits of an edible nature and the resulting products.

in subclass 42.06, in the definition, change "line" to *lure*.

51, Abrading

in the class definition, under "Search Class", insert:

26—TEXTILES, CLOTH FINISHING, subclass 28, for devices for treating cloth by rubbing with a sandpaperlike surface.

in subclass 5, under "Search Class", insert:

29—METAL WORKING, subclass 28, for combined machines characterized by mechanism for relatively rotating the work and a turning or milling tool and which have in addition thereto a grinding mechanism.

in subclass 8, under "Search Class", insert:

29—METAL WORKING, subclass 90, for machines and processes for condensing, compacting, smoothing or polishing the surface of metallic or non-metallic articles, including subjecting them to sharp blasting.
257—HEAT EXCHANGE, subclass 1, for devices utilizing particulate material to clean heat exchange apparatus during operation thereof.

in subclass 47, under "Search Class", add:

144—WOODWORKING, subclass 103, for woodworking machines, generally mounted on an overhead pivot, adapted to be freely swung to operative position.

in subclass 68, under "Search Class", add:

144—WOODWORKING, subclass 103, for woodworking machines, generally mounted on an overhead pivot, adapted to be freely swung to operative position.

in subclass 99, under "Search Class", in the reference to Class 143, insert after "subclass 46":

for wood sawing machines where the tool is mounted on a swinging arm.

and add:

144—WOODWORKING, subclass 103, for woodworking machines, generally mounted on an overhead pivot, adapted to be freely swung to operative position.

in subclass 126, under "Search Class", add:

144—WOODWORKING, subclass 103, for woodworking machines, generally mounted on an overhead pivot, adapted to be freely swung to operative position.

in subclass 147, insert:

Search Class—
144—WOODWORKING, subclass 103, for woodworking machines, generally mounted on an overhead pivot, adapted to be freely swung to operative position.

in subclass 164, under "Search Class", insert:

23—CHEMISTRY, subclass 286, for chemical apparatus employing a tank which is rotated during use.

in subclass 168, add:

Search Class—
143—WOOD SAWING, subclass 155, for devices for attaching circular saws to a supporting arbor and for supporting the arbor in the saw frame.

in subclass 187, under "Search Class", in the reference to Class 120, after "blotters" add:

and subclass 89 for sanding blocks used to sharpen pencils.

in subclass 216, under "Search Class", add:

144—WOODWORKING, subclass 278, for devices for securing work upon a moving bed in a woodworking machine or while operated upon by a travelling woodworking cutter.

in subclass 251, under "Search Class", add:

97—PLOWS, subclass 221, for devices for sharpening earth working disks in situ on the machine while same is operating.

in subclass 268, under "Search Class", insert:

112—SEWING MACHINES, subclass 261, for covers and guards for the moving parts of sewing machines.

60, Power Plants

in subclass 19, add:

Search Class—

74—MACHINE ELEMENTS AND MECHANISMS, subclass 472, for the combination of a motor, transmission and a control element wherein the control element operates a motor control and transmission control selectively or simultaneously, and wherein the transmission is the type which is classifiable per se in Class 74, e. g., planetary gearing or sliding key or clutch interchangeably locked gearing.

84, Machine Elements, Shafting and Flexible Shaft Couplings

in subclass 5, cancel "(2) Note" and "(3) Note", and add:

Search Class—

29—METAL WORKING, subclass 110+, for rolls per se and see the search notes in subclass 110 for other roll art.

74—MACHINE ELEMENTS AND MECHANISMS, subclass 230.01+, for pulleys, subclass 243+, for sprockets, and subclass 434+, for rotary bodies used in gearing.

287—ROD JOINTS OR COUPLINGS, appropriate subclasses, for rod joints in general.

in subclass 28, under "Search Class", insert:

10—BOLT, NAIL, NUT, RIVET AND SCREW MAKING, subclass 23, for yielding pieces, easily-replaceable break pieces, etc., for protecting the dies and other important parts of bolt and rivet machines from breakage when a blank is improperly gripped or when some foreign substance falls between the dies or among the working parts.

and in the reference to Class 192, after "devices", add *and see (3) Note above.*

69, Leather Manufactures

in subclass 1, add:

(1) Note.—This subclass includes machines for roughing leather by a filing action. For implements employed for the same purpose, see this class, subclass 20. See Class 29, METAL WORKING, subclass 76+, for devices and processes for filing metal by a hard instrument having its surface or surfaces sharply ridged, and see the notes thereto for filing devices elsewhere classified.

Search Class—

29—METAL WORKING, subclass 76+, see (1) Note above.

in subclass 21, under "Search Class", insert:

29—METAL WORKING, subclass 90, for processes for condensing, compacting, smoothing or polishing the surface of metallic or non-metallic articles.

in subclass 37, under "Search Class", insert:

29—METAL WORKING, subclass 90, for machines or processes for condensing, compacting, smoothing, or polishing the surface of metallic or non-metallic articles, usually by rubbing with a smooth surface of greater hardness than that of the article being operated upon.

70, Locks

in subclass 454, under "Search Class", cancel the reference to Class 240, and add in numerical order:

240—ILLUMINATION, subclass 2.13, for illuminated keyholes.

250—RADIANT ENERGY, subclass 71, for keyhole illuminators and location indicating devices which include a fluorescent or phosphorescent material. See especially subclass 76, for fluorescent keyhole escutcheons.

73, Measuring and Testing

in subclass 188, after "indicate the" insert *geographical.*

and under "Search Class", cancel the reference to Class 116 and substitute:

116—SIGNALS AND INDICATORS, subclass 117, for other indicators of direction of fluid flow, as through a pipe, and subclass 173+, for flags.

74, Machine Elements and Mechanisms

in subclass 18, under "Search Class", add:

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 146+, for electronic tubes and electric lamps having a sealed envelope and provided with means for transmitting force from the outside of the envelope to the interior of the envelope for the purpose of moving an electrode within the envelope.

in subclass 233, cancel the definition only and substitute:

Belts under subclass 232 comprising laminated belts having a polygonal transverse cross section wherein at least two relatively angularly disposed surfaces serve as driving faces.

in subclass 234, cancel the definition only and substitute:

Belts under subclass 231 other than those of a laminated or link type of a polygonal transverse cross section wherein at least two relatively angularly disposed surfaces serve as driving faces.

in subclass 236, cancel the definition only and substitute:

Belts under subclass 235 of polygonal transverse cross section wherein at least two relatively angularly disposed surfaces serve as driving faces.

in subclass 422, change "subclass 421" to *subclass 412.*

in subclass 472, under "Search Class", insert:

60—POWER PLANTS, subclass 19, for the combination of a control element, a combustion engine and a hydraulic pump and motor transmission wherein the control element operates an engine control and a transmission control, selectively or simultaneously.

establish the following subclass definition:

478.5, Devices under subclass 478 wherein there are at least two foot operated controllers for separate systems, and one of the controllers has either an extension or a remote operator attached or connected thereto and so positioned with respect to at least one other of the controllers that a single foot may be manipulated to effect operation of at least two of the controllers.

Search this class, subclass—

480—for devices wherein there are a plurality of systems respectively having controllers, which controllers are provided with a mechanical interconnection.

in subclass 480, under "Search this class, subclass", add:

562+—for pedals having additional foot engaging portions.

in subclass 544, under "Search this class, subclass", change "562" to *562+.*

in subclass 562, cancel the definition only and substitute:

Devices under subclass 560 having means connected to or contacting the pedal which constitutes an additional foot engaging portion.

and add:

(1) Note.—Many of these devices in this subclass are mounted directly on the foot engaging portion of the pedal and either (1) enable operation from a remote point or (2) constitute a lengthening adjustment for the pedal.

and under "Search this class, subclass", insert:

480—for devices in which there are a plurality of independently operable control systems which may be connected and operated by a single controlling member.

establish the following subclass definition:

562.5. Devices under subclass 562 wherein the additional foot engaging mechanism is so mounted that its zone of operation is to one side of the zone of operation of the pedal.

Search this class, subclass—

478.5—for pedal extensions so positioned that a single foot may operate an additional pedal or controller concurrently with the pedal provided with the extension.

76, Metal Tools and Implements, Making

in the class definition, add:

Search Class—

93—PAPER MANUFACTURES, subclass 58.5, for devices for cutting peepholes in box blanks.

in subclass 12, under "Search Class", insert:

29—METAL WORKING, subclass 77, for machines and processes for preparing file-blanks by filing the surfaces of the rough blanks.

in subclass 25, add:

Search Class—

29—METAL WORKING, subclass 76+, for machines and processes for filing metal. Filing may be defined as cutting by a hard instrument having its surface or surfaces sharply ridged.

in subclass 78, cancel the note and add:

Search Class—

81—TOOLS, subclass 17+, for vises for general use.

144—WOODWORKING, subclass 289, for miscellaneous clamps and clamping apparatus used in woodworking operations.

in subclass 82, add:

Search Class—

29—METAL WORKING, subclass 76+, for machines and processes for filing metal, which may be defined as cutting metal by a hard instrument having its surface or surfaces sharply ridged.

51—ABRADING, appropriate subclasses, and see (2) Note above.

77, Boring and Drilling

in subclass 18, add:

Search Class—

33—GEOMETRICAL INSTRUMENTS, subclass 191, for gauges to mark a center point.

51—ABRADING, subclass 277, for devices for properly positioning work in a work holder.

82—TURNING, subclass 45, for devices elsewhere classifiable to center work in a machine tool.

in subclass 55, add:

Search this class, subclass—

18—for devices to center a work piece so as to drill and countersink its ends to receive the centers of a lathe.

in subclass 68, add:

Search Class—

29—METAL WORKING, subclass 106, for devices to supply a lubricant to a milling cutter so designed as to convey the lubricant to the cutting edge of the tool.

279—CHUCKS OR SOCKETS, subclass 20, for all oil conduit drill sockets.

in subclass 75, add:

Search Class—

51—ABRADING, subclass 184.1, for expansible abrading tools and see the notes thereto for additional search.

in subclass 75.5, add:

Search Class—

153—METAL BENDING, subclass 80, for wedge expanded segmental pipe expanders and subclass 82 for wedge expanded rotary pipe expanders which travel circumferentially of the tube.

80, Metal Rolling

in subclass 3, under "Search Class", insert:

29—METAL WORKING, subclass 34, for combined machines which are adapted to forge or weld metal and also to perform bending, cutting or punching operations upon the metal.

82, Turning

in subclass 2, add:

Search Class—

29—METAL WORKING, subclass 27+, for combined machines in which one of the operations is rotating the work while traversing a cutting tool there along.

164—CUTTING AND PUNCHING SHEETS AND BARS, subclass 36+, for machines adapted only to sever or cut off the work to predetermined lengths. Cutting off or severing of a workpiece when included with other turning devices or operations is found here or in the appropriate indented subclass.

in subclass 4, under "Search Class", add:

51—ABRADING, subclass 179, for portable devices for grinding a railway car wheel in situ, and subclass 241 for devices for grinding the throws of a crankshaft in situ.

144—WOODWORKING, subclass 30, for devices adapted to point pins of various kinds, and see the notes thereunder.

in subclass 11, add:

Search Class—

142—WOOD TURNING, subclass 3+, for wood turning machines producing a pattern section.

in subclass 14, add:

Search Class—

51—ABRADING, subclass 101, for pattern controlled abrading machines.

90—GEAR CUTTING, MILLING AND PLANING, subclass 13+, for pattern controlled milling machines, and subclass 24+, for pattern controlled planing machines.

113—SHEET-METAL WARE, MAKING, subclass 53, for carriage feed pattern controlled spinning machines.

in subclass 40, under "Search Class", insert:

142—WOOD TURNING, subclass 16, for mechanisms for guiding work holding chucks in elliptical or oval paths.

in subclass 44, under "Search Class", add in order:

51—ABRADING, subclass 184.1, for expansible abrading tools and see the notes thereto for additional search.

279—CHUCKS OR SOCKETS, subclass 2, for expanding chucks adapted to hold hollow articles by being inserted into the cavity thereof.

in subclass 45, under "(2) Search Classes", insert:

33—GEOMETRICAL INSTRUMENTS, subclass 191, for gauges to mark a center point.

90, Gear Cutting, Milling and Planing

in subclass 1, after the definition, add:

(1) Note.—Methods and apparatus for cutting wood gears are located here. See (2) Note to Class 144, subclass 2.

in subclass 28.1, add:

Search Class—

29—METAL WORKING, subclass 1.1, for apparatus especially adapted for making projectile throwing implements of metal, whether small arms or large guns.

in subclass 59, add:

Search Class—

51—ABRADING, subclass 216+, for devices for securing the work in position or traversing it past an abrading tool.

76—METAL TOOLS AND IMPLEMENTS, MAKING, subclass 19, for pressers for holding a file blank upon the bed of a file cutting machine, and subclass 20, for beds for supporting file blanks for cutting and the clamps for securing said blanks to the bed.

144—WOODWORKING, subclass 278, for devices for securing work upon a moving bed as while operated upon by a moving cutter, and subclass 289+, for miscellaneous clamps and clamping apparatus used in woodworking operations.

164—CUTTING AND PUNCHING SHEETS AND BARS, subclasses 45, 51, 52, 54, 55, 79, and 110, for cutting or punching machines with work clamping means.

248—SUPPORTS, subclass 361, for devices of general application for holding an article to its support and carrying none of the weight thereof, and see the notes thereto.

296—LAND VEHICLES, BODIES AND TOPS, subclass 18, for adjustable clamps to hold a coffin against movement relative to the hearse.

92, Paper Making and Fiber Liberation

in subclass 71 under "Search Class", insert:

29—METAL WORKING, subclass 90+, for machines or processes for condensing, compacting, smoothing or polishing the surface of metallic or non-metallic articles usually by rubbing with a smooth surface of greater hardness than that of an article being operated upon.

95, Photography

in subclass 104, add:

Search Class—

29—METAL WORKING, subclass 90+, for machines or processes for condensing, compacting, smoothing or polishing the surface of metallic or non-metallic articles, usually by rubbing with a smooth surface of greater hardness than that of the article being operated upon.

112, Sewing Machines

in the class definition under "Search Class", insert:

29—METAL WORKING, subclass 241, for apparatus for assembling or disassembling by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.

113, Sheet-Metal Ware, Making

in subclass 53, add:

Search Class—

82—TURNING, subclass 14, and see the notes thereto for other pattern controlled machines.

115, Marine Propulsion

in subclass 18, add:

Search Class—

74—MACHINE ELEMENTS AND MECHANISMS, subclass 469+, for outboard motor tillers with (1) devices for controlling operation of the motor or (2) with devices attached to the tiller only for facilitating operation of the tiller by the knee or some other part of the human body. The motor or boat may be claimed by name only for classification in Class 74.

116, Signals and Indicators

in subclass 117, under "Search Class", cancel the reference to Class 73, and substitute:

73—MEASURING AND TESTING, subclass 188, for indicators of geographical direction, as wind vanes, and 194+, for volume or rate of flow meters.

120, Stationery

in subclass 89, add:

Search Class—

29—METAL WORKING, subclass 76+, for machines and processes for filing metal, which may be defined as cutting metal by a hard instrument having its surface or surfaces sharply ridged, particularly subclass 78, for files per se.

51—ABRADING, subclass 187, for holders for flexible abrading sheets of general application.

142, Wood Turning

in subclass 11, add:

Search Class—

51—ABRADING, subclass 101, for pattern controlled abrading machines wherein the work has rotary motion.

82—TURNING, subclass 14, for pattern controlled machine lathes.

90—GEAR CUTTING, MILLING AND PLANING, subclasses 13.3, 13.4, 13.6, 13.7, and 13.9, for pattern controlled milling machines in which the work has a rotary motion.

113—SHEET-METAL WARE, MAKING, subclass 53, for carriage feed pattern controlled metal spinning machines.

in subclass 16, add:

Search Class—

82—TURNING, subclass 40, for work drivers in metal turning machines to form elliptically shaped work.

in subclass 54, under "(2) Search Class", add:

29—METAL WORKING, subclass 61, for stock feeders with intermittently reciprocated gripping mechanisms which grasp the bar of stock, advance to feed the same to the chuck, then release the stock and return to their first positions.

143, Wood Sawing

in subclass 17, add:

Search Class—

30—CUTLERY, subclass 274, for hand manipulable tools employing an endless band cutter, and see the notes thereto for similar or other endless band cutting machines elsewhere classified.

in subclass 46, add:

Search Class—

51—ABRADING, subclasses 47, 68+, 99, 126, and 147, for abrading machines in which the tool is mounted in a swinging carrier.

144—WOODWORKING, subclass 103, for woodworking machines generally mounted on an overhead piston adapted to be freely swung to operative position.

in subclass 145, add:

Search Class—

29—METAL WORKING, subclass 105, for miscellaneous rotary cutters which are built up from a body in which are secured smaller separate teeth.

in subclass 155, add:

Search Class—

51—ABRADING, subclass 168+, for devices for mounting or balancing grindstones on their arbors.

287—ROD JOINTS OR COUPLINGS, subclass 52+, for means for securing rolls, pulleys, collars, gears, levers and the like to a rod, shaft, cord or cable.

144, Woodworking

in subclass 11, add:

Search this class, subclass—

196—for devices for punching handholes in shovel handles.

in subclass 30, under "Search Class", add in order:

82—TURNING, subclass 4, for portable devices for turning points on metal dowel-pins.

120—STATIONERY, subclasses 85+ and 94+, for devices for sharpening pencils.

168—FARRIERY, subclass 46, for devices to sharpen calks except by a grinding operation for which see Class 51, ABRADING, subclass 172.

in subclass 34, add:

Search this class, subclass—

193—for devices for splitting stumps in situ in the earth.

and under "Search Class", insert:

56—HARVESTERS, subclass 229+, for harvesting devices supported on the ground and specialized to the cutting or mowing of small grain, grass and the like.

in subclass 56, add:

Search this class, subclass—

197—for punching-cutters in which the wood is forced down upon a fixed die.

in subclass 103, add:

Search Class—

51—ABRADING, subclasses 47, 68+, 99, 126, and 147, for abrading machines in which the tool is mounted in a swinging carrier permitting its application to and removal from the work as desired.

143—WOOD SAWING, subclass 46, for swinging saw mounts.

in subclass 125, add:

Search Class—

69—LEATHER MANUFACTURES, subclass 9+, for machines for splitting or beveling leather.

in subclass 162, under "Search Class", insert:

69—LEATHER MANUFACTURES, subclass 9+, for machines for splitting or beveling leather.

in subclass 278, add:

Search Class—

76—METAL TOOLS AND IMPLEMENTS, MAKING, subclass 19, for pressers for holding a file blank upon the bed of a file cutting machine, and subclass 20, for beds for supporting file blanks for cutting and the clamps for securing said blanks to the bed.

90—GEAR CUTTING, MILLING AND PLANING, subclass 59+, for devices for supporting or securing workpieces while being acted upon by planing, milling or gear cutting cutters.

164—CUTTING AND PUNCHING SHEETS AND BARS, particularly subclasses 45, 51, 52, 54, 55, 79, 110, for cutting or punching machines with work clamping means.

in subclass 288, add:

Search Class—

29—METAL WORKING, subclass 288, for work holders of general utility in the nature of a stand which may be, for example, of a single or double type, a frame, a table, etc., with which work-holding features are associated.

248—SUPPORTS, appropriate subclasses, for stands or supports of general application.

in subclass 289, add:

Search Class—

76—METAL TOOLS AND IMPLEMENTS, MAKING, subclass 78+, for clamps employed in saw making.

146, Vegetable and Meat Cutters and Comminutors

in the class definition, under "(3) Search Class", insert:

88—OPTICS, subclass 40, for microtomes (i. e., apparatus for cutting specimens, such as thin tissue, for microscopic examination).

in subclass 3, abolish "(1) Note", and under "Search Class", insert:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 3.1+, for devices for cleaning, brushing, or washing fruit, vegetables, meat, eggs, nuts and similar discrete edible articles.

151, Nut and Bolt Locks

in subclass 19, add:

Search Class—

173—ELECTRICITY, CONNECTORS, subclass 259, for binding posts utilizing a cam or cone thread grip.

152, Resilient Tires and Wheels

in subclass 431, in "(2) Note", cancel "90–95" and substitute *89.1 to 89.4*.

164, Cutting and Punching Sheets and Bars

in subclass 45, in "(2) Search Class" cancel the reference to Class 144, and add:

76—METAL TOOLS AND IMPLEMENTS, MAKING, subclass 19, for pressers for holding a file blank upon the bed of a file cutting machine, and subclass 20, for beds for supporting file blanks for cutting and the clamps for securing said blanks to the bed.

90—GEAR CUTTING, MILLING AND PLANING, subclass 59+, for devices for supporting or securing work pieces while being acted upon by planing, milling, or gear cutting cutters.

144—WOODWORKING, subclass 278, for devices for securing work upon a moving bed or while operated upon by a moving cutter, and subclass 289+, for miscellaneous clamps and clamping apparatus used in woodworking operations.

in subclass 47, in "(3) Search Class" cancel all references thereunder, and substitute:

31—DAIRY, subclasses 5–30, for butter and cheese cutters.

93—PAPER MANUFACTURES, subclass 33, for cutting devices in paper bag machines, and subclass 58+, for devices for cutting and scoring paper box blanks.

112—SEWING MACHINES, subclass 122+, for trimmers associated with sewing machines.

131—TOBACCO, subclasses 233, 248+, and 253+, for cigar and cigarette cutters, perforators or slitters.

144—WOODWORKING, subclass 162+, for slicers, 193+, for splitters, and 196+, for punching cutters used in woodworking.

in subclass 94, add:

Search Class—

29—METAL WORKING, subclass 275, for hand manipulable assembling apparatus to be applied to the work and to receive an impact from an outside source and transmit the blow to the work.

174, Electricity, Conductors and Insulators

in subclass 14, add:

(4) Note.—See Class 313, ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 174+, for electric lamps and electronic tubes which are provided with a getter or gas or vapor generating material to preserve, maintain, or used to secure a desired vacuum or gas or vapor atmosphere within the envelope of the device.

178, Telegraphy

in subclass 3, under "Search Class", in the reference to Class 90, change the word "mailing" to *milling* and the word "training" to *planing*.

in subclass 5, under "For such machines and devices, search classes", add in order:

33—GEOMETRICAL INSTRUMENTS, subclass 18+, for pattern tracing devices, per se.

51—ABRADING, subclass 100+, for pattern controlled rotary type abrading machines.

266—METALLURGICAL APPARATUS, subclass 23, for pattern controlled metal cutting torches (e. g., oxy-acetylene torches).

200, Electricity, Circuit Makers and Breakers

in subclass 60, under "Search Class", cancel the reference to Class 240 and substitute:

240—ILLUMINATION, subclasses 6.4+ and 10.5+, for combinations of circuit controllers with portable self-contained electric lamp structures.

206, Special Receptacles and Packages

in subclass 17, add:

Search Class—

211—SUPPORTS, RACKS, subclass 69, for racks designed to support drills.

211, Supports, Racks

in subclass 69, under "Search Class", add:

206—SPECIAL RECEPTACLES AND PACKAGES, subclass 17, for special receptacles for bits and drills.

217, Wooden Receptacles

in subclass 18, change the first word in the definition from "Boots" to *Boxes*.

223, Apparel Apparatus

in subclass 50, add:

Search Class—

29—METAL WORKING, subclass 241, for apparatus that assembles and disassembles by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.

in subclass 99, add:

Search Class—

29—METAL WORKING, subclass 241, for apparatus for assembling and disassembling by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.

in subclass 102, under "Search Class", insert:

29—METAL WORKING, subclass 241, for apparatus for assembling or disassembling by a stringing action, either by stringing parts on an attenuated or elongated means or by passing such means through a part or parts.

224, Package and Article Carriers

in subclass 45, cancel "Notes (1), (2), (3), and (4)", and substitute:

Search Class—

190—BAGGAGE, subclass 41, for traveling bags.

294—HANDLING, HAND AND HOIST-LINE IMPLEMENTS, appropriate subclasses, for miscellaneous hand or hoist line implements which are applied to an article or articles to engage and/or grasp the same for subsequent movement or manipulation. Note particularly subclass 87+, for grapples adapted to simultaneously grasp or engage a plurality of articles for subsequent handling.

242, Winding and Reeling

in subclass 13, add:

Search Class—

10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, subclass 162+, for machines to feed nail, screw, nut blanks, and nail plates or stock to machines for manufacturing those articles.

in subclass 74, in "(2) Search Class", insert:

29—METAL WORKING, subclass 118, for means to grip a sheet, strip, or tube or to impale a marginal or edge portion thereof to a roll assembly

250, Radiant Energy

in subclass 30, add:

Search Class—

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 366, for solid rectifying elements, used in power applications, which are analogous to the devices of this subclass.

252—COMPOSITIONS, subclass 62.3, for the compositions used in solid crystal type rectifiers and detectors.

257, Heat Exchange

in subclass 1, in "Search Class", insert:

51—ABRADING, subclass 8+, for sand blast machines of general application.

279, Chucks or Sockets

in subclass 2, in "Search Class", insert:

51—ABRADING, subclass 184.1, for expansible abrading tools, and see the notes thereto for additional search.

77—BORING AND DRILLING, subclass 75+, for adjustable reamers.

153—METAL BENDING, subclass 80, for wedge expanded segmental pipe expanders, and subclass 82 for wedge expanded rotary pipe expanders which travel circumferentially of the tube.

287, Rod Joints or Couplings

in subclass 52, under "Search Class", insert:

143—WOOD SAWING, subclass 155, for devices for attaching circular saws to their arbors.

292, Closure Fasteners

establish the following subclass definition:

336.3. Subject matter under the class definition relating to closure fastener operating means in cooperation with means such as knobs or handles to be grasped to move a closure to its adjusted position.

(1) Note.—Subject matter of this subclass in combination with a particular type of latch bolt will be found in this class in the "Operating means" subclasses indented under the particular type of latch bolt.

Search Class—

16—MISCELLANEOUS HARDWARE, subclass 110+, for handles for closures, receptacles and the like, and attaching devices therefor not otherwise classified.

74—MACHINE ELEMENTS AND MECHANISMS, appropriate subclasses, for operating mechanisms of general application.

294, Handling, Hand and Hoist-Line Implements

in subclass 27, under "Search Class", insert:

16—MISCELLANEOUS HARDWARE, subclass 114, for similar devices which provide a handle for a receptacle and which are designed to engage or cooperate with a modification of the receptacle. Conventional features or designs of a receptacle such as a bead are not considered a modification of a receptacle to receive a handle.

in subclass 87, add:

Search Class—

224—PACKAGE AND ARTICLE CARRIERS, subclass 45+, for hand carriers in which articles are placed for subsequent transportation.

306, Tool-Handle Fastenings

in the class definition, under "Search Class", add:

29—METAL WORKING, subclass 80, for handles and devices for holding files or rasps during their use, including shanks and supports carried by handle to which a file is secured.

318, Electricity, Motive Power Systems

in subclass 118, under "Search Class", in the reference to Class 172, change subclass "125" to *126*.

M. C. ROSA,
Executive Primary Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The following seven patents are owned by George T. Fielding, 20 W. North St., Stamford Conn.

Pat. 2,026,422. Dampening and Steaming Assembly for Pressing Irons. Patented Dec. 31, 1935. Reg. No. 45,519.

Pat. 2,284,411. Pressing Iron. Patented May 26, 1942. Reg. No. 45,520.

These two patents relate to electric irons having a steam-generating sole plate. The irons may be optionally used by regulating the temperature and the feeding of water into a water explosion and steam generating chamber in the sole plate to effect uniform dampening or wetting of the material being ironed or pressed, or to supply dry steam where a steaming operation alone is desired. The sole plate of Pat. 2,026,422 may be applied to standard pressing irons without requiring any material alterations. Groups 35—81—82; 36—21.

Pat. 2,153,303. Dishwashing Apparatus. Patented Apr. 4, 1939. Reg. No. 45,521.

Pat. 2,180,408. Glass Washing Machine. Patented Nov. 21, 1939. Reg. No. 45,522.

Pat. 2,230,350. Submerged Dishwasher. Patented Feb. 4, 1941. Reg. No. 45,523.

These three patents relate to portable motor-driven glass and dishwashing machines of the rotary brush type that may be used in homes or commercial establishments. Each machine may be placed on the drain board of a sink and coupled to the water supply. Dishes and glasses to be washed are placed one at a time into the machines and removed after completion of the washing and rinsing operations. Group 35—89.

The machine of Pat. 2,153,303 includes mechanism with suitable control valves for delivering a spray of cleansing fluid to the article as it is being cleaned and for delivering a rinsing spray to the cleansed article.

The machine of Pat. 2,180,408 includes mechanism for delivering a cleansing spray, but is provided with a separate rinsing station inside one end.

The machine of Pat. 2,230,350 may be placed on a drain board of a sink with a brush-supporting frame portion resting in the sink to support the brushes partially submerged in inclined position in cleansing fluid in the sink.

Pat. 2,301,032. Refuse Receptacle. Patented Nov. 3, 1942. Sanitary receptacle for refuse has a wire holder with hinged cover and removable tray inside the lower end. A support spaced from tray holds a disposable bag out of contact with any liquid drainage collected in tray. Mouth of bag is clamped over edge of holder. A bail extending upwardly at an inclination from tray is provided for lifting the tray and bag from holder. Groups 33—49; 34—41; 40. Reg. No. 45,524.

Pat. 2,498,947. Electric Shoe Polishing Machine With Reciprocating Polishing Belt. Patented Feb. 28, 1950. Light, compact, portable electric shoe polisher is especially suitable for home use, but may be equipped with coin-operated mechanism for use in offices, clubs, railway stations, etc. A box-like casing has a depressible foot support on top, and a replaceable polishing cloth held in an inverted bight over the support to yieldingly engage a shoe on the foot of wearer. The ends of the cloth extend down into the casing through slots, and are secured to eccentrics on the shaft of a pivotally mounted motor inside the casing. Pressure of a shoe against the bight of the cloth effects depression of the foot support to start operation of motor. Group 36—21. Reg. No. 45,525.

Pat. 2,552,350. Motion Transmitting Mechanism. Patented May 8, 1951. Motion transmitter for imparting rotary movement to a reciprocator with a minimum of friction. The transmitter consists of a rotor, reciprocator, and follower. Rotor has a circumferential cam with an annular row of radial pins to mesh with sprockets. Cross-head of follower is connected to the reciprocator. Parallel stub-shafts extending from cross-head have rollers that bear against the cam walls. Meshing spur-gears on the stub-shafts have connection with the sprockets loosely mounted on the stub-shafts to cause concurrent motion. (Owner) Robert F. Smith, 3210 Winter St., Fort Wayne, Ind. Group 35—66—69. Reg. No. 45,526.

Pat. 2,557,599. Fishing Lure. Patented June 19, 1951. Artificial bait adapted for zig-zag motion through the water has a flexible tail-piece (mounted on the barbed portion of the hook) that wiggles during trolling. A hollow metal body has a deflecting nose plate at forward end with line-attaching link. The hook projects from rear of lure, and the shank portion lies in cavity of under surface of body, where it is embedded in a solder filling. The solder filling extends below the nose plate and provides the necessary weight for stabilizing the movements of the lure. (Owner) William L. Dunmire, 243 Wildwood Park Road, Florence, Ala. Group 39—49. Reg. No. 45,527.

Pat. 2,502,181. Device for Use in Loading and Unloading Freight Cars. Patented Mar. 28, 1950. A suspended ramp-type device for loading and unloading freight cars. The device may be permanently attached without interfering with the doors, or easily attached and removed for use with any number of cars. The angle to the horizontal of the ramp is readily adjustable to facilitate loading and unloading. (Owner) National Dairy Research Laboratories, Inc., Oakdale, Long Island, N. Y. Groups 35—62—63—69; 37—12. Reg. No. 45,528.

Pat. 2,560,264. Trash Remover. Patented July 10, 1951. Machine with its own motor is to be pulled by truck or tractor for screening and removing trash and weeds from gravel or dirt roads. As machine advances over the road, a rake structure at front of device disturbs the gravel and the trash is elevated by a bladed reel onto conveyor, which deposits the trash on another conveyor at rear of device for disposal in adjacent ditch. Gravel will fall from trash back onto the road. (Owner) Marvin Wullweber, Virgil, S. Dak. Group 35—22—31—62. Reg. No. 45,529.

Pat. 2,555,415. Drive in Form of Gear Reduction for Flour Mill Grinding Rolls. Patented June 5, 1951. Reduction drive gearing assembly is especially designed for use in connection with flour mills having grinding rolls driven through parallel relatively adjustable spindles. The assembly is in the nature of an attachment to be mounted on the spindles exteriorly of the mill, whereby the spindles are geared to each other through countershafts and coacting gearing so that one spindle will rotate at a speed different from the other. The assembly includes mechanism that may be actuated by a hand wheel to adjust one of the spindles relatively to the other to vary the grinding characteristics of the rolls, or compensate for wear. (Owner) Hans H. Kramer, 3905 Terrace Ave., St. Joseph 45, Mo. Group 35—51—66—69. Reg. No. 45,530.

Pat. 2,552,007. Crate. Patented May 8, 1951. Foldable crate, with carrying handle, for fowl or other small animals has an open grilled top and a canvas or fiber floor surrounded by a rigid frame. The crate has ventilated ends and canvas or fiber side sections which are fastened to the frame. Foldable supports are hinged to the frames and to each other. At least one side section has a window surrounded by a zipper. A door is provided in the top for inserting and removing animals. Modification is given. (Owner) Charles W. Griffith, 2409 Fairway, Baltimore 22, Md. Groups 25—54; 35—22. Reg. No. 45,531.

The General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The majority of the following 86 patents relate to various types of meters and indicating instruments. Included are patents relating to: Electric meters; photometers; parking meters; gyroscopes; magnetic compass systems; telemetering arrangements; and liquid level gauges. Also included are patents relating to timing devices and time switches; a hermetically sealed photoelectric cell; and heating apparatus for electric brazing tongs. Groups 36—13—19—21—61—62; 39—11—12. Reg. Nos. 45,532 through 45,617.

Pat. 2,052,434. Electrical Instrument. Aug. 25, 1936.

Pat. 2,058,939. Indicating Instrument. Oct. 27, 1936.

Pat. 2,076,371. Time Switch. Apr. 6, 1937.

Pat. 2,089,083. Ammeter. Aug. 3, 1937.

Pat. 2,115,589. Induction Watt-Hour Meter. Apr. 26, 1938.

Pat. 2,123,045. Magnetic Detector. July 5, 1938.

Pat. 2,123,743. Color Changing Indicator. July 12, 1938.

Pat. 2,124,442. Time Switch. July 19, 1938.

Pat. 2,156,734. Photometer. May 2, 1939.

Pat. 2,175,027. Exposure Meter. Oct. 3, 1939.

Pat. 2,188,785. Power-Factor Meter. Jan. 30, 1940.

Pat. 2,200,110. Time Switch. May 7, 1940.

Pat. 2,201,836. Magnetic Motion Amplifier. May 21, 1940.

Pat. 2,202,721. Time Switch Alarm. May 28, 1940.

Pat. 2,211,606. Liquid Level Indicator. Aug. 13, 1940.

Pat. 2,214,850. Self-Starting Synchronous Motor. Sept. 17, 1940.

Pat. 2,221,578. Parking Meter. Nov. 12, 1940.

Pat. 2,231,603. General Purpose Time Switch. Feb. 11, 1941.

Pat. 2,236,277. Protection of Permanent Magnets in Meters. Mar. 25, 1941.

Pat. 2,243,063. Timer Motor. May 27, 1941.

Pat. 2,243,555. Magnet Gearing. May 27, 1941.

Pat. 2,246,185. Combined Meter and Timing Motor. June 17, 1941.

Pat. 2,247,076. Tuning Instrument. June 24, 1941.

Pat. 2,247,109. Var Meter. June 24, 1941.

Pat. 2,247,805. Light or Exposure Meter. July 1, 1941.

Pat. 2,247,811. Time Switch. July 1, 1941.

Pat. 2,259,371. Reset for Thermal Demand Meters. Oct. 14, 1941.

Pat. 2,259,985. Parking Meter. Oct. 21, 1941.

Pat. 2,260,026. Repulsion-Attraction Type Electrical Measuring Instrument. Oct. 21, 1941.

Pat. 2,260,838. Timing Device. Oct. 28, 1941.

Pat. 2,267,408. Thermal Demand Indicator. Dec. 23, 1941.

Pat. 2,269,227. Short Range Electrical Measuring Apparatus. Jan. 6, 1942.

Pat. 2,269,242. Magnetic Contact Device. Jan. 6, 1942.

Pat. 2,275,880. Magnetic Structure. Mar. 10, 1942.

Pat. 2,284,406. Transformer. May 26, 1942.

Pat. 2,285,882. Time Delay Transfer Mechanism. June 9, 1942.

Pat. 2,290,724. Volt-Ampere Measurement. July 21, 1942.

Pat. 2,294,692. Measurement of Volt Ampere Demand. Sept. 1, 1942.

Pat. 2,294,741. Remote Indicator. Sept. 1, 1942.

Pat. 2,298,893. Liquid Level Gauge. Oct. 13, 1942.

Pat. 2,314,244. Volt-Ampere Demand Recorder. Mar. 16, 1943.

Pat. 2,324,895. Heavy Load Indicator for Watthour Meters. July 20, 1943.

Pat. 2,325,582. Instrument Deflection Modifier. Aug. 3, 1943.

Pat. 2,330,588. Telemetering System. Sept. 28, 1943.

Pat. 2,330,661. Telemetering Arrangement. Sept. 28, 1943.

Pat. 2,333,406. Telemetering System. Nov. 2, 1943.

Pat. 2,340,158. Thermal Time Delay Control. Jan. 25, 1944.

Pat. 2,341,297. Condition Responsive System. Feb. 8, 1944.

Pat. 2,341,954. Current Transformer. Feb. 15, 1944.

Pat. 2,343,159. Temperature Compensation for Direct Current Telemeters. Feb. 29, 1944.

Pat. 2,345,936. Telemetering Receiver. Apr. 4, 1944.

Pat. 2,346,483. Chargeproof Cover Glass. Apr. 11, 1944.

Pat. 2,348,005. Electrical Measuring Instrument. May 2, 1944.

Pat. 2,348,006. Electric Measuring Instrument. May 2, 1944.

Pat. 2,350,835. Temperature Compensation for Direct Current Telemeters. June 6, 1944.

Pat. 2,352,049. Shack Mounted Instrument. June 20, 1944.

Pat. 2,365,727. Dashpot Damping System. Dec. 26, 1944.

Pat. 2,366,721. Gyro Caging Device. Jan. 9, 1945.

Pat. 2,371,511. Magnetic Transmission. Mar. 13, 1945.

Pat. 2,380,242. Telemetering System and Apparatus. July 10, 1945.

Pat. 2,405,050. Magnetic Compass Deviation Compensator. July 30, 1946.

Pat. 2,405,455. Permanent Magnet. Aug. 6, 1946.

Pat. 2,409,009. One-Way Drive With Magnetic Lock. Oct. 8, 1946.

Pat. 2,409,866. Direct Current Ratio Measuring Electrical Instrument. Oct. 22, 1946.

Pat. 2,411,010. Electrical Measuring Instrument. Nov. 12, 1946.

Pat. 2,412,046. Resonant Circuit Saturable Core Measurement Apparatus. Dec. 3, 1946.

Pat. 2,414,128. Compass Transmitter. Jan. 14, 1947.

Pat. 2,416,604. Photoelectric Cell. Feb. 25, 1947.

Pat. 2,417,720. Gyroscopic Attitude Indicator. Mar. 18, 1947.

Pat. 2,418,032. Erecting Device for Gyroscopes. Mar. 25, 1947.

Pat. 2,419,928. Caging Signal Device for Gyroscopes. Apr. 29, 1947.

Pat. 2,426,470. Remote Indicating Magnetic Compass System. Aug. 26, 1947.

Pat. 2,427,213. Linear Motion Transmitter or Receiver. Sept. 9, 1947.

Pat. 2,433,648. Spring Controlled Index Registering Photoelectric Exposure Meter. Dec. 30, 1947.

Pat. 2,436,639. Alternating Current Telemetering Transmitter. Feb. 24, 1948.

Pat. 2,437,132. Remote Indicating Compass. Mar. 2, 1948.

Pat. 2,450,287. Range Timer. Sept. 28, 1948.

Pat. 2,450,320. Variable Air Gap Turn Compensator. Sept. 28, 1948.

Pat. 2,451,886. Electrical Measuring Instrument. Oct. 19, 1948.

Pat. 2,460,773. Temperature Sensitive Variable Inductance. Feb. 1, 1949.

Pat. 2,470,482. Direction Indicator. May 17, 1949.

Pat. 2,479,363. Adjustable Strength Permanent Magnet. Aug. 16, 1949.

Pat. 2,481,360. Intermittent Motion Magnetic Drive. Sept. 6, 1949.

Pat. 2,486,897. Gyroscope Erecting Device. Nov. 1, 1949.

Pat. 2,492,727. Electric Regulator. Dec. 27, 1949.

Pat. 2,542,629. Electric Heating Apparatus. Feb. 20, 1951.

The following 32 patents are available for non-exclusive licenses in the field of radio purposes upon reasonable terms, to domestic manufacturers. Group 36—61.

Pat. 2,497,656. Selective Relay System. Feb. 14, 1950. Reg. No. 45,618.

Pat. 2,499,181. Pulsed Light Film Projection for Television Transmissions. Feb. 28, 1950. Reg. No. 45,619.

Pat. 2,502,144. Reduction of Tube Seal Heating in High-Frequency Apparatus. Mar. 28, 1950. Reg. No. 45,620.

Pat. 2,519,029. Selective System. Aug. 15, 1950. Reg. No. 45,621.

Pat. 2,519,030. Mixer Circuit. Aug. 15, 1950. Reg. No. 45,622.

Pat. 2,519,083. Time Division Pulse Multiflex System. Aug. 15, 1950. Reg. No. 45,623.

Pat. 2,519,933. Rotatable Joint for Coaxial Cables. Aug. 22, 1950. Reg. No. 45,624.

Pat. 2,521,504. Television Synchronizing System. Sept. 5, 1950. Reg. No. 45,625.

Pat. 2,523,049. Water-Cooled Multicircuit Magnetron. Sept. 19, 1950. Reg. No. 45,626.

Pat. 2,523,051. Regulated Oscillator. Sept. 19, 1950. Reg. No. 45,627.

Pat. 2,523,537. Frequency Control System. Sept. 26, 1950. Reg. No. 45,628.

Pat. 2,523,789. Initiating the Arc in Mercury-Pool Tubes. Sept. 26, 1950. Reg. No. 45,629.

Pat. 2,524,556. Amplitude Limiter. Oct. 3, 1950. Reg. No. 45,630.

Pat. 2,525,442. Radio Search Tuning System. Oct. 10, 1950. Reg. No. 45,631.

Pat. 2,525,443. Magnetically Controlled Reversible Friction Drive. Oct. 10, 1950. Reg. No. 45,632.

Pat. 2,525,448. Phase Indicating Instrument. Oct. 10, 1950. Reg. No. 45,633.

Pat. 2,526,383. Wave Guide Mode Converter. Oct. 17, 1950. Reg. No. 45,634.

Pat. 2,526,421. Automatic Timing and Recycling. Oct. 17, 1950. Reg. No. 45,635.

Pat. 2,519,017. Phase Lag Correction Circuit for the Sweep Circuit of a Radio Echo System. Aug. 15, 1950. Reg. No. 45,636.

Pat. 2,521,556. Magnetron. Sept. 5, 1950. Reg. No. 45,637.

Pat. 2,523,031. Tunable Ultra High-Frequency Tube With Reflector Electrode. Sept. 19, 1950. Reg. No. 45,638.

Pat. 2,523,286. High-Frequency Electrical Apparatus. Sept. 26, 1950. Reg. No. 45,639.

Pat. 2,556,864. Coated Grid for Electron Discharge Tubes. June 12, 1951. Reg. No. 45,640.

Pat. 2,556,865. Constant Temperature Oven. June 12, 1951. Reg. No. 45,641.

Pat. 2,556,875. Tuning Device for Radio Receivers. June 12, 1951. Reg. No. 45,642.

Pat. 2,556,881. Negative Attenuation Amplifier Discharge Device. June 12, 1951. Reg. No. 45,643.

Pat. 2,556,883. Reactance Tube Circuit. June 12, 1951. Reg. No. 45,644.

Pat. 2,557,180. Apparatus for Coupling Ultra High Frequency Systems. June 19, 1951. Reg. No. 45,645.

Pat. 2,557,770. Time Base Circuit. June 19, 1951. Reg. No. 45,646.

Pat. 2,557,771. Ultra High Frequency Electric Discharge Devices. June 19, 1951. Reg. No. 45,647.

Pat. 2,558,564. Hydraulic Winding Machine. June 26, 1951. Reg. No. 45,648.

Pat. 2,558,573. Adjustable Coupling System. June 26, 1951. Reg. No. 45,649.

The General Electric Company is prepared to grant non-exclusive licenses to industrial concerns under the following three patents on a reasonable royalty basis to manufacture, use, and sell betatrons and is further prepared to grant free non-exclusive licenses under such patents to educational or similar institutions to construct betatrons by the use of the institutions' own facilities and to use such betatrons for non-profit purposes. Group 36—19—61—62—92.

Pat. 2,553,305. Injection Compensation in High-Energy Particle Acceleration. May 15, 1951. Reg. No. 45,650.

Pat. 2,553,312. Apparatus for Imparting High Energy to Charged Particles. May 15, 1951. Reg. No. 45,651.

Pat. 2,558,597. Field Correction in Magnetic Induction Accelerators. June 26, 1951. Reg. No. 45,652.

United States Government Owned Patents

The following 19 patents (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) have been assigned to the United States as represented by the Secretary of Agriculture. Licenses to practice the inventions will be issued on a royalty-free, non-exclusive, non-transferable, revocable basis. Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington 25, D. C.

Pat. 2,527,597. Esters of Oleic Acid With Unsaturated Alcohols. Patented Oct. 31, 1950. This patent discloses polymerizable esters of oleic acid with unsaturated alcohols. Copolymers of these esters with vinyl acetate are disclosed and claimed. The properties of the copolymers depend upon the nature and proportions of the co-monomers present, but, in general, they are internally plasticized polymers. Group 28—34—41—61—89. Reg. No. 45,653.

Pat. 2,531,431. Method of Preparing Calcium Firmed Frozen Apple Slices. Patented Nov. 28, 1950. The slices are blanched with steam and cooled by submergency in a 0.2 to 2.0% solution of a calcium salt, such as the chloride, acetate, or gluconate. A buffer of sodium acetate, di-sodium phosphate, or sodium carbonate may be used with the calcium salt. Group 20—37. Reg. No. 45,654.

Pat. 2,534,255. Hydroxy Polyesters. Patented Dec. 19, 1950. Esters of alpha-hydroxy acids are shown to undergo self-alcoholysis when heated in the presence of mineral acid catalysts to form hydroxy polyesters:

$$n\ HOCH(R)COOR' \xrightarrow{H+} HO[CH(R)COO]_nR' + (n-1)\ R'O$$

The polyesters produced were those of low molecular weight where n is a small integer of from two to five. Thus heating methyl, ethyl, or butyl lactate to approximately 100–150° C. resulted in corresponding esters of polylactic acid; i. e., methyl, ethyl, or butyl polylactate. Similarly, methyl glycolate gives rise to methyl polyglycolate. Catalysts for the self-alcoholysis were sulfuric, sulfurous, toluene sulfonic, and boric acids. The average degree of polymerization of the polylactate is controlled by the reaction conditions, particularly the quantity of alcohol removed from the self-alcoholysis reaction. The esters of polylactic acid contain an hydroxyl group which can be acylated. Thus the acetate, propionate, butyrate, laurate, and diglycol bis-carbonate of methyl, ethyl, and butyl polylactate were prepared. Group 28—61—89. Reg. No. 45,655.

Pat. 2,534,263. Method of Firming Fruit and Vegetable Slices. Patented Dec. 19, 1950. According to the method of this invention, the consistency of pectin-containing fruit or vegetable slices is improved by contacting the slices with the pectin de-esterifying enzyme, pectase. As a result, a substantial firming of the fruit or vegetable slices is effected, and the treated products do not readily disintegrate on subsequent cooking or when subjected to other conventional treatments used in preserving fruits and vegetables. Group 20—33—37—99. Reg. No. 45,656.

Pat. 2,534,275. Method of Refining Rutin. Patented Dec. 19, 1950. This invention relates to the removal of iron-containing impurities and non-metalliferous extraneous substances not eliminated by the usual methods of refining rutin. The impurities, which are not segregatable from rutin, may be attributed to interaction of rutin with iron-containing materials during processing or storage, and to organic substances of undetermined nature which probably are components of degradation products of rutin-bearing plant tissues. Purifications of rutin in accordance with the method of invention is best effected by crystallization from an aqueous solution having a pH of less than 3, and preferably within the pH range 2.5–2.9. Other aqueous solvents may also be used, such as alcohol, dioxane, and acetone. Groups 20—62; 28—31. Reg. No. 45,657.

Pat. 2,534,835. Nicotine Compounds Containing Univalent Copper. Patented Dec. 19, 1950. The new compositions of this invention are useful as insecticides and, when in crystal form, as fluorescent materials or ingredients of fluoreacing powders and varnishes. The nicotine-univalent copper containing compounds of this invention may be divided into two types, double salt compounds of the formula

$$(Cu^{+}A)_x.C_{10}H_{14}N_2.HA$$

and nicotin-amino compounds of the formula

$$(Cu^{+}A)_x.C_{10}H_{14}N_2.$$

In these formulae x is an integer not exceeding 2, and A represents one of the group of anions —CN, —CNS, —Cl, —Br, and —I. Group 28—11—31—33. Reg. No. 45,658.

Pat. 2,539,472. Process for the Purification of Certain Water-Soluble Hydroxycarboxylic Acids. Patented Jan. 30, 1951. Separating pure lactic acid from its aqueous solution. The lactic acid solution is mixed with a chloroform (or alcohol of at least 4 carbons) solution of a secondary or tertiary alkyl amine having 5 to 12 carbons in each alkyl (triamylamine) forming the amine salt of lactic acid dissolved in the chloroform which divides as a layer and is separated and steam distilled, giving free lactic acid. Group 28—86—89. Reg. No. 45,659.

Pat. 2,539,473. Preparation of N,N-Diethyllactamide. Patented Jan. 30, 1951. N,N-diethyllactamide is prepared by reacting polylactic acid or its lower alkyl esters with diethylamine. The reaction may be carried out batchwise, or continuously, by passing the reagents countercurrently through a heated column. Group 28—11—34—91—89. Reg. No. 45,660.

Pat. 2,541,126. Unsaturated Esters of 10-Hendecenoic Acid. Patented Feb. 13, 1951. Copolymers of vinyl acetate and about 1 to 50%, by weight, of 2-chloroallyl 10-hendecenoate are tough and insoluble, ranging from hard to elastic, and are useful as plastics. Groups 28—83; 39—81. Reg. No. 45,661.

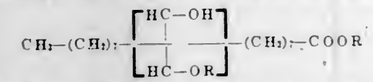
Pat. 2,541,138. Fungicidal Nicotinium Salt Compositions. Patented Feb. 13, 1951. The disclosure concerns non-metallic derivatives of nicotine which are represented by the formula

Nicotine (RX)

wherein R is a monovalent radical selected from the group consisting of alkyl, aralkyl, and substituted aralkyl, and X is a member selected from the group consisting of chloride, bromide, iodide, cyanide, thiocyanate, and fatty acid anions, said fatty acid anion having from 2 to 18 carbon atoms. Examples of such derivatives are butyl nicotinium bromide, benzyl nicotinium chloride, butyl nicotinium thiocyanate. When X is a fatty acid the compound is oil soluble. These quaternary compounds are active fungicides, and in many cases have an LD 50 value of 8 to 30 p. p. m. against *Macrosporium sarcinaeforme*. Group 28—31—33—89. Reg. No. 45,662.

Pat. 2,541,142. Unsaturated Ether-Esters of Polyhydric Alcohols. Patented Feb. 13, 1951. Film-forming plastic compositions. Methacrylyl esters of allyl ethers of sucrose and mannitol, prepared by acylating the corresponding partially allylated polyhydric alcohol with methacrylic anhydride at 70° C. The esters polymerize much more rapidly than the corresponding ethers from which they are derived. Groups 28—83—89; 39—81. Reg. No. 45,663.

Pat. 2,542,062. Ether-Esters of Dihydroxystearic Acid. Patented Feb. 20, 1951. A compound of the formula



R being alkenyl, such as allyl and beta-chloroallyl, prepared by reacting 9,10-epoxystearic acid with the corresponding alkenol in the presence of a catalytic amount of sulfuric acid at about 100° C. (60°—150° C.). The compounds are useful as lubricants, plasticizers, and viscosity modifiers. Group 28—83—89—96. Reg. No. 45,664.

Pat. 2,543,049. Recovery of Proteins From Plant Leaves and Stems. Patented Feb. 27, 1951. Protoplast recovery. Plant leaves and stems having chlorophyll-bearing cell walls are fermented with *Clostridium roseum*, which digests the cellulose cell walls, releasing protoplast, a material rich in proteins, carotene, vitamins, etc. It is easily separated from the medium, and useful as a food supplement and as an intermediate for obtaining purified components thereof. Group 28—31. Reg. No. 45,665.

Pat. 2,543,060. Carbonic Acid Derivatives of Tetrahydrofurfuryl Lactate. Patented Feb. 27, 1951. New compounds typified by the ethyl, butyl hexyl, octyl, decyl, dodecyl, and diethylene glycol carbonates of tetrahydrofurfuryl lactate, useful as plasticizers for vinyl and cellulose ester resins. Group 28—83—86—89. Reg. No. 45,666.

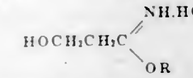
Pat. 2,543,083. Recovery of Carotene Concentrate. Patented Feb. 27, 1951. Carotene recovery. Carrots (or other carotene-containing plant tissue) are pulped and fermented with *Clostridium roseum* to digest the cellulose cell walls and other constituents, releasing a carotene concentrate which floats on the fermented mass. Group 28—12—29—89. Reg. No. 45,667.

Pat. 2,543,783. Method of Purifying Rutin. Patented Mar. 6, 1951. Rutin purification. Rutin separated from buckwheat by hot aqueous alcohol extraction, removal of fats from the extract, and evaporation of alcohol, gives a hot aqueous concentrated rutin solution containing impurities. Such solution is quickly cooled and the rutin filtered out and washed immediately after crystallization. This avoids occlusion of impurities, giving a higher purity than with slow crystallization. Groups 20—94; 28—31. Reg. No. 45,668.

Pat. 2,543,817. Photochemical Oxidation of Nicotine. Patented Mar. 6, 1951. Tobacco modifying agent. Nicotine (or other alkaloid) is oxidized in aqueous solution containing methylene blue (or other thiazine dye) with gaseous oxygen under irradiation by light at a temperature from 10° C. to boiling producing $(C_{10}H_{14}N_2O_2)_2$. Groups 21—31; 28—31—33. Reg. No. 45,669.

Pat. 2,549,877. Process of Producing Maple Sirup Concentrate. Patented Apr. 24, 1951. Flavor of maple sirup enhanced by boiling the sirup at atmospheric pressure until a boiling point of 25° to 50° F. above that of water is reached, holding at this elevated temperature for several hours under reflux conditions, then adding water equivalent to that lost by evaporation and allowing the resulting high-flavored sirup to cool. Group 20—61—95—99. Reg. No. 45,670.

Pat. 2,553,564. Esters of Hydracrylic Acid and Imino Ethers. Patented May 22, 1951. Esters of hydracrylic acid and imino ethers. An alcohol of the formula ROH (R being hydrocarbon free of substituents other than halogen, e. g. alkyl, chloroallyl) is reacted with ethylene cyanohydrin and hydrogen chloride under substantially anhydrous conditions in the presence of an inert organic solvent (diethyl ether) forming imino-ether hydrochloride of the formula



which is hydrolyzed with water to the hydracrylic ester of the formula $HOCH_2CH_2COOR$ where R is the same as above. Group 28—61—86—89. Reg. No. 45,671.

The following patent (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) is the property of the United States of America as represented by the Secretary of the Interior by virtue of assignment from the inventor, Mark A. Mattare. Non-exclusive and royalty-free licenses are available. Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,553,600. Dividing Machine. Patented May 22, 1951. Machine may be used to scribe uniformly spaced graduations in an emulsified film on a glass plate negative. The machine includes a two-part extensible carriage and a movable stop bar that may be selectively adjusted for marking graduations of varying lengths on either or both sides of a reference line, and for varying the spacing of the graduations. With the machine it is also possible to mark a sensitized glass plate negative of a map with a scale based upon the recorded distance between two identifiable points. Groups 27—92; 35—59; 39—11—12. Reg. No. 45,672.

Dedicated Patent

General Mills, Inc., dedicates the following patent to the members of the baking industry and, through them, to the people of the United States of America.

Pat. 2,549,595. Process of Preparing Baked Food Products. Patented Apr. 17, 1951. This patent claims a process of making baked food products, such as rolls and bread, by baking a suitable dough in a heated oven under conditions which complete the internal structure of the product before substantial external browning or crusting takes place. The consumer can then complete the baking of such products in a home oven just prior to serving. The generic name "Brown 'N Serve" has been generally adopted to describe these products. Group 20—51.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 4, 1951

[VOL. 653. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 39

CLOTHING

Ser. No. 526,297. Semaria Brothers, Inc., New York, N. Y. Filed July 4, 1947.

SUN-GAY

For Ladies' House Dresses.
Claims use since 1934.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 612,660. Joe Lowe Corporation, New York, N. Y. Filed Apr. 14, 1951.

POLKA DOT

Applicant claims ownership of Registration No. 342,162.
For Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper, and Metal Foil.
Claims use since Apr. 3, 1951.

Ser. No. 618,259. The Farm Bureau Cooperative Association, Inc., Columbus, Ohio. Filed June 25, 1951.



The words "Quality Products" are disclaimed. The drawing is lined for the colors red and blue. Applicant claims ownership of Registration No. 287,933.
For Textile and Paper Bags.
Claims use since Jan. 1, 1937.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 567,905. Harold D. Conner, doing business under the name and style of H. D. Conner Company, Wichita, Kans. Filed Oct. 30, 1948.

Odor Aire

For Chemically Treated Blocks Used in Door-Operated Sprays.
Claims use since November 1946.

Ser. No. 587,365. Standard Oil Company, Whiting, Ind., and Chicago, Ill. Filed Nov. 4, 1949.

Torch

Applicant claims ownership of Registrations Nos. 260,937, 223,708, and others.
For Petrolatum, Insecticides, Fungicides, and Herbicides.
Claims use since August 1923.

Ser. No. 592,263. Geary Chemical Corp., New York, N. Y., assignor to Chemagro Corporation, New York, N. Y., a corporation of New York. Filed Feb. 10, 1950.

METACIDE

For Agricultural Insecticide.
Claims use since Jan. 27, 1950.

Ser. No. 593,134. Herman Meyer, doing business as Herman Meyer Drug Co., Richmond Hill, N. Y. Filed Feb. 27, 1950.

DRIFREEZ

For Desiccating Preparation for Refrigerating Systems.
Claims use since Jan. 2, 1950.

Ser. No. 594,624. Dodge & Olcott, Inc., New York, N. Y. Filed Mar. 25, 1950.

MICROMUL

For Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors.
Claims use since February 1942.

Ser. No. 594,626. Dodge & Olcott, Inc., New York, N. Y. Filed Mar. 25, 1950.

AP-RO-PO

For Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors.
Claims use since January 1943.

Ser. No. 594,627. Dodge & Olcott, Inc., New York, N. Y. Filed Mar. 25, 1950.

COSMO

For Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors.
Claims use since April 1937.

Ser. No. 594,631. Dodge & Olcott, Inc., New York, N. Y. Filed Mar. 25, 1950.

ISO ALDEHYDE

The word "Aldehyde" is disclaimed.
For Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors.
Claims use since November 1937.

Ser. No. 595,655. A. W. Chesterton Company, Everett, Mass. Filed Apr. 13, 1950.



For Liquid Belt Dressing.
Claims use since Mar. 31, 1950.

Ser. No. 595,916. Rezolin, Inc., Los Angeles, Calif. Filed Apr. 18, 1950.

R-72S

For Phenolic Plastic Resin.
Claims use since May 20, 1947.

Ser. No. 598,813. Sandoz Chemical Works, Inc., New York, N. Y. Filed June 8, 1950.

DICOFIX

For Chemical Preparation Used in the After Treatment of Dyed Fabrics and Yarns To Increase the Resistance of Their Colors to Washing, Perspiration, and Hot Wet Pressing.
Claims use since January 1950.

Ser. No. 600,746. West Disinfecting Company, Long Island City, N. Y. Filed July 15, 1950.

RESIDOL

For Insecticides.
Claims use since Jan. 1, 1946.

Ser. No. 601,206. Food Machinery and Chemical Corporation, San Jose, Calif., and Middleport, N. Y. Filed July 25, 1950. (Sec. 2f.)

QUIK-KILL

For Parasiticides.
Claims use since 1939.

Ser. No. 602,855. Red Comet Incorporated, Littleton, Colo. Filed Aug. 28, 1950.

RED COMET

For Fire Extinguisher Grenades, and Kits Containing Chemical Preparations for Extinguishing Fires.
Claims use since May 15, 1947.

Ser. No. 607,381. Geigy Company, Inc., New York, N. Y. Filed Dec. 7, 1950.

GRAMINON

For Preparations for Killing Weeds and Destroying Vermin, Insecticides, Fungicides, Seed Disinfectants, and Seed Preserving Substances.
Claims use since Oct. 25, 1950.

Ser. No. 612,651. William Cooper & Nephews, Incorporated, Chicago, Ill. Filed Apr. 14, 1951.

AL-RIN

For Agricultural Insecticide.
Claims use since Mar. 23, 1951.

Ser. No. 613,516. Marnett Chemicals, Inc., Baltimore, Md. Filed May 4, 1951.

Bleachies

For Clothes Bleaching Compound in Tablet Form.
Claims use since Apr. 28, 1951.

CLASS 7
CORDAGE

Ser. No. 586,614. American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., doing business under the firm name and style of St. Louis Cordage Mills, St. Louis, Mo. Filed Oct. 21, 1949.

Counter-Coil

The word "Coil" is disclaimed.
For Rope, Cord, and Twine Manufactured From Vegetable Fibre.
Claims use since June 27, 1949.

Ser. No. 606,153. A. Leschen & Sons Rope Company, St. Louis, Mo. Filed Nov. 9, 1950.

Marine-Gal

For Wire Rope.
Claims use since Oct. 23, 1950.

CLASS 8
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 519,621. Blairsville Machine Products Company, Blairsville, Pa. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Aug. 24, 1948.

Tops

For Cigar and Cigarette Lighters of a Pyrophoric Type.
Claims use since Oct. 1, 1945.

Ser. No. 578,562. Beattie Jet Products, Inc., New York, N. Y. Filed May 11, 1949.

jet

Applicant claims ownership of Registrations Nos. 402,605 and 415,815.
For Tobacco Pouches.
Claims use since February 1941.

Ser. No. 597,402. The Leshore Corporation, Long Island City, N. Y. Filed May 13, 1950.

SMOK-EZE

Applicant claims ownership of Registration No. 443,223.
For Cigarette Container and Dispenser.
Claims use since May 9, 1949.

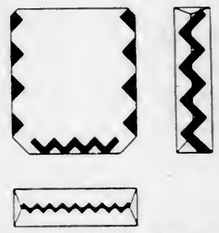
CLASS 10
FERTILIZERS

Ser. No. 589,129. Vitalerth Products Limited, Vancouver, British Columbia, Canada. Filed Dec. 9, 1949.

VITALERTH

Priority is claimed under Sec. 44(d). Canadian application filed June 13, 1949. Registration No. N. S. 33751/132, dated June 13, 1949.
For Fertilizers.

Ser. No. 604,988. The Ohio Hydrate & Supply Company, Woodville, Ohio. Filed Oct. 16, 1950.



The trade-mark consists of a zig-zag line printed at the edges of a sack of paper or other material containing the goods, and in the drawing: Fig. 1 represents a side elevation of a sack bearing the mark, Fig. 2 an edge view, and Fig. 3 a top view. Applicant claims ownership of Registration No. 534,026.
For Lime in Powdered Form for Agricultural Purposes.
Claims use since Feb. 15, 1927.

Ser. No. 608,585. Green & Reedy Fertilizer Plant, Franklinton, La. Filed Dec. 29, 1950.



The drawing is lined to indicate the colors green and yellow. The representation of the maps of Mississippi and Louisiana, and the words "Franklinton" and "Green and Reedy" are disclaimed.
For Commercial Fertilizer.
Claims use since Sept. 1, 1950.

Ser. No. 614,451. Mississippi Chemical Corporation, Yazoo City, Miss. Filed May 28, 1951.



The lining on the drawing is to show that the letters "MCC" are green on a red background.
For Fertilizer.
Claims use since Mar. 1, 1951.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 555,902. The Celotex Corporation, Chicago, Ill. Filed Sept. 12, 1947.

CELOTEX

Applicant claims ownership of Registrations Nos. 167,788, 167,870, 187,332, 203,689, 266,833, and 277,241.

For Composition of Material for Wall Boards in Board or Sheet Form and Used as Linings for Houses, Box-Making Material and Heat-Insulating Lumber; Asphalt Base Roof Coater, Lap Cement and Plastic Cement; Fiberboard Suitably Saturated, Coated and/or Processed—Namely, Flooring, Wainscoting, Sound Absorbing Tile, Plaster Base, Moldings, Absorptive Concrete Form Liner, Insulating Brick Siding and Siding Boards; Fiber Hardboard; Mineral Wool, Loose, Granulated, and Fabricated Into Batts and Pads; Asphalt Shingles, Siding, and Roll Roofing; Gypsum Plasters, Wall Boards, Plasterboard, and Lath; Asbestos and Cement Composition Sheets and Tile Mounting Systems—Namely, Metal Retaining Strips, Splines, and Miniature Beams for the Erection of Prefabricated Tile.

Claims use since Sept. 1, 1921.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 570,714. Oil Equipment Manufacturing Corporation, New Haven, Conn. Filed Dec. 17, 1948.

DUPLEX SLIP-THRU

The compound word "Slip-Thru" is disclaimed.

For Threaded Bushings for Oil Tanks or the Like.

Claims use since January 1948.

Ser. No. 577,675. Lloyd Chain Manufacturing Co., Maryville, Mo. Filed Apr. 25, 1949. (Sec. 2f.)

Double-Grip

For Tire Chains.

Claims use since May 11, 1936.

Ser. No. 581,506. United Steel Fabricators, Inc., Wooster, Ohio. Filed July 2, 1949.

USF

Applicant claims ownership of Registration No. 520,734.

For Construction Materials of the Conduit Type Fabricated From Sheet Steel or Steel Plate and Designed To Resist External Pressures From Superimposed Dead and Live Loads as Distinguished From Non-Ferrous Pipes and Pipe Fittings of the Character Commonly Employed in Refrigerating Plants and Designed To Withstand Internal Fluid Pressures, the Said Construction Materials Being—To Wit, Corrugated Steel Pipe, Sheet Steel and Steel Plate Drainage and Culvert Pipe, and Sectional Steel Plate Pipe and Sectional Steel Plate Pipe Arches.

Claims use since October 1940.

Ser. No. 594,510. Henry Lindsay Limited, Bradford, England. Filed Mar. 20, 1950.

LINDIBOLT

The words "The Self-Heading Bolt" are disclaimed. The drawing is lined for shading. Applicant claims ownership of British Registration No. B681,278, dated July 23, 1949, and United States Registrations Nos. 371,415, 418,463, 522,513, and 523,701.

For Bolts.

Ser. No. 597,373. Akron Hardware Mfg. Corp., Woodside, N. Y. Filed May 13, 1950.

AKRON STAMPING WORKS

The term "Akron" is disclaimed.

For Kitchen Cabinet Hardware—Namely, Doorpulls, Surface Hinges, Drawer Pulls, Concealed Hinges, Doorknobs, Catches, Door Latches, Handles; and Strike Plates, Screws, and Nails Therefor.

Claims use since December 1949.

Ser. No. 601,046. H. D. Hudson Manufacturing Company, Chicago, Ill. Filed July 21, 1950.

SECTO

For Sprayhead Attachments in the Nature of Nozzles for Use With Portable Electrically-Operated Vacuum Air Blowers and Sprayers.

Claims use since Dec. 31, 1929.

Ser. No. 601,764. The Victaulic Company Limited, London, England. Filed Aug. 4, 1950.

VIKING

Priority under Sec. 44(d). British applications Ser. Nos. 689,775, 689,776, and 689,777 filed June 13, 1950. Registrations Nos. 689,775, 689,776, and 689,777, dated June 13, 1950. Applicant claims ownership of British Registrations Nos. 689,775, 689,776, and 689,777, dated June 13, 1950.

For Pipes and Pipe Fittings Made of Metal for Oil Lines and Gas and Water Mains; Pipes and Pipe Fittings Made of Metal for Irrigation Lines and for Sewage Disposal; Joints, Flanges, and Metal Housings for Pipes of the Aforesaid Types; Valves and Valve Fittings for Controlling the Flow of Fluid in Pipes of the Aforesaid Types.

Ser. No. 610,677. Roscoe Fowler, doing business under the name and style of Sturdee Steel Products Company, Los Angeles, Calif. Filed Mar. 1, 1951.



For Jam-Type Mounting Hardware for Garage Doors, Door Tracks, Door Track Brackets, Door Hinges, and Door Pulls, All Fabricated of Metal.

Claims use since Oct. 6, 1950.

Ser. No. 613,742. Stylon Corporation, Boston, Mass. Filed May 10, 1951.

Stylon

For Bathroom Accessories Made of China and Chrome Metal Comprising Toothbrush Holders, Towel Racks, Soap Holders, and Toilet Paper Holders.

Claims use since June 1948.

CLASS 15

OILS AND GREASES

Ser. No. 607,977. Borne Scrymser Company, Elizabeth, N. J. Filed Dec. 22, 1950.

MINEROL

For Oil for Conditioning Cotton Fibers Before Operation Thereon by a Cording Machine.

Claims use since June 26, 1926.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 546,862. R. N. Nason & Co., San Francisco, Calif. Filed Jan. 13, 1948. (Sec. 2f.)

NITRO-LAC

For Paints for Automotive Vehicles, Paint Primers, and Paint Thinners.

Claims use since July 1923.

Ser. No. 613,621. Wisconsin Protective Coating Co., Green Bay, Wis. Filed May 7, 1951.

PLASITE

For Plastic Paints, Varnishes, and Enamels.

Claims use since Dec. 27, 1949.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 564,456. Maria Luisa Nicolin de Padilla, Mexico City, Mexico. Filed Aug. 31, 1948.

LIPONYL

Applicant claims ownership of Mexican Registration No. 40,422, dated Jan. 13, 1940.

For Anti-Infection Medicinal Preparation in the Form of a Protein Therapeutic Product.

Ser. No. 589,843. Drug Laboratories, Inc., New York, N. Y., now by change of name Norex Laboratories, Inc. Filed Dec. 23, 1949.

AMITONE

For Antacid Tablets.

Claims use since Oct. 20, 1949.

Ser. No. 591,459. Dacus Drug Company, Inc., Portageville, Mo. Filed Jan. 26, 1950. (Sec. 2f.)

Erskine's AA MIXTURE

The word "Mixture" is disclaimed.

For Medicinal Preparation for the Treatment of Simple Diarrhea, Upset Stomach, Gas on Stomach, and Heartburn.

Claims use since Feb. 10, 1939.

Ser. No. 594,052. Eli Lilly and Company, Indianapolis, Ind. Filed Mar. 16, 1950.

THIANTOIN SODIUM

The word "Sodium" is disclaimed.

For Medicinal Preparation of Phethenylate Sodium Used as an Antiepileptic Drug With Anticonvulsant Activity.

Claims use since Jan. 9, 1950.

Ser. No. 596,169. Kane Products Co., New York, N. Y. Filed Apr. 22, 1950.

RUSIN

For Preparation in Capsule Form for the Treatment of Rheumatism and Neuralgia.

Claims use since Apr. 5, 1950.

Ser. No. 601,284. Southwestern Drug Corporation, doing business as Lanolave Laboratories, Waco, Tex. Filed July 26, 1950.

Lanolave

For Rubbing Alcohol.

Claims use since May 30, 1950.

Ser. No. 606,881. Mount Laboratories, Inc., New York, N. Y., assignor to Carter Products, Inc., New York, N. Y., a corporation of Maryland. Filed Nov. 24, 1950.

MERMORAL

For Effervescent Antiseptic, Cleansing, and Deodorizing Tablet for Internal Use as a Vaginal Douche.

Claims use since Oct. 18, 1950.

Ser. No. 610,779. Carter Products, Inc., New York, N. Y. Filed Mar. 3, 1951.

CARTO-PHYLL

For Deodorant Tablet for Internal Administration.

Claims use since Feb. 6, 1951.

Ser. No. 610,851. John S. Konetes, doing business as F-E Manufacturing Company, Wilmington, N. C. Filed Mar. 5, 1951.

F-E

For Hemorrhoid Salve.

Claims use since Nov. 3, 1950.

Ser. No. 610,886. Wright & Lawrence Laboratories, Inc., Chicago, Ill. Filed Mar. 5, 1951.

KAPILATE

For Liquid Medication for the Treatment of Ringworm of the Scalp.
Claims use since Feb. 4, 1950.

Ser. No. 614,601. Wyeth Incorporated, Philadelphia, Pa. Filed May 31, 1951.

SEVETOL

Applicant claims ownership of Registration No. 60,629.
For Multiple Vitamin Preparations.
Claims use since Nov. 16, 1905; and since May 17, 1951, on the present goods.

CLASS 19

VEHICLES

Ser. No. 568,958. Lockheed Aircraft Corporation, Burbank, Calif. Filed Nov. 17, 1948.



The words "Jet Liner" are disclaimed. The drawing is lined for shading only. Applicant claims ownership of Registrations Nos. 319,956, 373,314, and others.
For Airplanes and Structural Parts Therefor.
Claims use since April 1948.

Ser. No. 584,989. Macfee Manufacturing Company, Elgin, Ill. Filed Sept. 17, 1949.

CAR CARTER

The word "Car" is disclaimed.
For Parcel Holder for an Automotive Vehicle Consisting of a Strap Attachable to the Base of the Vehicle Seat.
Claims use since Sept. 7, 1949.

Ser. No. 600,503. Naamlooze Vennootschap 's-Hertogenbossche Schroevengieterij M. Lips, Drunen, Netherlands. Filed July 11, 1950.

UNISTRENGTH

Applicant claims ownership of Dutch Registration No. 103,418, dated Dec. 14, 1949.
For Propellers for Ships.

Ser. No. 601,060. Metropolitan Airparts, Van Nuys, Calif., assignor to Ryan Aeronautical Corporation, San Diego, Calif. Filed July 21, 1950.



The word "Luggage" and the representation of the goods are disclaimed.
For Doors for Luggage Compartments of Airplanes.
Claims use since Nov. 22, 1949.

Ser. No. 604,259. Franklin Industries, Franklin, Ind. Filed Sept. 30, 1950.

HITCH-HIKER

The prefix "Hitch" is disclaimed.
For Tractor-Truck-Trailer Hose and Line Protector—Namely, a Steel Tube Attached to a Flexible Coil Spring Which Is Mounted to a Cross Member of the Gas Tank Saddle Behind the Cab for the Prevention of Injury to the Hose Lines.
Claims use since June 14, 1950.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 596,366. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Filed Apr. 26, 1950.

NEOFELT

Applicant claims ownership of Registration No. 101,358.
For Hard Surface Floor Covering of the Nature of Linoleum.
Claims use since Apr. 7, 1950.

Ser. No. 610,285. Mannington Mills, Incorporated, Salem, N. J. Filed Feb. 19, 1951.



For Plastic Finish, Felt Base Floor Covering.
Claims use since Jan. 23, 1951.

Ser. No. 610,286. Mannington Mills, Incorporated, Salem, N. J. Filed Feb. 19, 1951.



For Plastic Finish, Felt Base Floor Covering.
Claims use since Jan. 23, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 602,123. Powell Products, Inc., Chicago, Ill. Filed Aug. 12, 1950.

powelite

For Portable Photographic Lamp Holders in the Nature of Multiple Electric Outlets.
Claims use since Dec. 23, 1946.

Ser. No. 607,399. Richberry Electric Co., Chicago, Ill. Filed Dec. 7, 1950.

VOLKANO

For Portable Electric Hand Lanterns.
Claims use since May 15, 1950.

Ser. No. 613,143. National Silver Company, New York, N. Y. Filed Apr. 25, 1951.



For Electric Percolators and Electric Snack Servers.
Claims use since Oct. 6, 1950.

Ser. No. 613,712. Irvington Varnish & Insulator Company, Irvington, N. J. Filed May 10, 1951.

Irv-O-Lak

For Shellac Coated Papers—Namely, Rope Paper, Kraft, Asbestos, and Fish Papers, for Use as Electrical Insulation.
Claims use since Sept. 5, 1950.

Ser. No. 615,651. James D. McDonald, doing business under the fictitious name and style of McDonald Manufacturing Company, Los Angeles, Calif. Filed June 25, 1951.

DONWOOD

For Electric Switch Plates.
Claims use since May 10, 1949.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 581,065. Harson Products Company, New York, N. Y. Filed June 25, 1949.

MODEL MAID

For Toy Sewing Kits and Games—Namely, Knitting, Embroidering, and Similar Educational Needlework Pastimes for Children.
Claims use since May 7, 1949.

Ser. No. 591,409. C. H. Ellis & Co., Lewes, Del. Filed Jan. 25, 1950.



For Fishing Tackle—Namely, Fishing Rods, Poles, Reels, Lines, Artificial Baits, Artificial Lures, Hooks, Leaders, Spinners, Flashers, Spoons, Swivels, and Artificial Flies; Tackle-Holders—Namely, Fly Hooks, Bait Boxes, Leader Boxes, Tackle Boxes, Minnow Buckets, Stringers, Snelled Hooks, Creels, Rod Cases, Rod Holders, and Trolling Traces; Sinkers, Preserved Salmon Eggs for Bait, Gaff Hooks, Landing Nets, Reel Seats, Preserved Minnows for Bait, Rod Fittings, Leader Pouches, Deep Sea Rod Sockets (Harness or Belt Type), Fly Tying Kits, Spears, and Reel Clamps.
Claims use since Jan. 1, 1950.

Ser. No. 597,793. United Crayon Co. Inc., Brooklyn, N. Y. Filed May 19, 1950.

REGENT

For Water Color Sets Designed for Children's Use, and Consisting of a Plurality of Differently Colored Semi-Moist Water Color Masses Arranged in a Row in Spaced Wells in a Relatively Thin, Hinged-Cover Metal Box.
Claims use since July 1948.

Ser. No. 598,637. Charles F. Clark, Incorporated, Chicago, Ill. Filed June 6, 1950.

NY DRY

The word "Dry" is disclaimed.
For Protective Covers—Namely, Athletic Equipment Covers, Such as Fabric and/or Plastic Covers for Tennis Rackets, Squash Rackets, and Badminton Rackets.
Claims use since Apr. 10, 1950.

Ser. No. 599,128. America Solimene, Brooklyn, N. Y. Filed June 14, 1950.



The word "Game" is disclaimed.
For Game Devices—Namely, a Game Comprising a Plurality of Playing Pieces Adapted To Be Assembled and Disassembled.
Claims use since May 19, 1950.

Ser. No. 599,643. Mit-Shel Company, Quincy, Ill. Filed June 23, 1950. (Sec. 2f.)

NU-AIRFLO

For Minnow Buckets.
Claims use since Dec. 1, 1933.

Ser. No. 600,134. Owens Krass, Inc., Rochester, N. Y. Filed July 1, 1950.

Sark

For Card Game Including a Deck of Cards, Rules, and Score Pads, All Sold as a Unit.
Claims use since June 27, 1949.

Ser. No. 602,202. Jolly Toys, Inc., New York, N. Y. Filed Aug. 15, 1950.

A JOLLY DOLL

The word "Doll" is disclaimed.
For Dolls.
Claims use since March 1946.

Ser. No. 604,506. Cortland Line Company, Inc., Cortland, N. Y. Filed Oct. 12, 1950. (Sec. 2f.)

CAM-O-FLAGE

For Bait Casting Fishing Line.
Claims use since Sept. 16, 1948.

Ser. No. 617,574. Eugene L. Ach, Cincinnati, Ohio. Filed Aug. 11, 1951.

My merry

Applicant claims ownership of Registration No. 531,528.
For Toy Hair Washing and Waving Kits for Children.
Claims use since Aug. 3, 1951.

Ser. No. 617,777. The United States Playing Card Company, Cincinnati, Ohio. Filed Aug. 16, 1951.



Applicant claims ownership of Registrations Nos. 49,107 and 60,313.
For Playing Cards.
Claims use since 1892.

Ser. No. 617,778. The United States Playing Card Company, Cincinnati, Ohio. Filed Aug. 16, 1951.

48

For Playing Cards.
Claims use since 1895.

Ser. No. 618,131. Shakespeare Company, Kalamazoo, Mich. Filed Aug. 27, 1951. (Sec. 2f.)

STAY-ALIVE

Applicant claims ownership of Registration No. 284,527.
For Minnow Buckets.
Claims use since Jan. 1, 1927.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 523,337. Stephens-Adamson Mfg. Co., Aurora, Ill. Original filed, act of 1905, May 31, 1947; amended to application under act of 1946, Principal Register, Feb. 20, 1951. (Sec. 2f.)

SWIVELOADER

For Apparatus for Loading and Trimming Pulverulent, Granular or Small Lump Material in Cars, Ships, Bins and the Like, Including a Feed Spout and Thrower Unit.
Claims use since November 1944.

Ser. No. 524,878. Landis Tool Company, Waynesboro, Pa. Original filed, act of 1905, June 26, 1947; amended to application under act of 1946, Principal Register, Oct. 15, 1948.

IW

For Machines for Grinding Alined Bearing Surfaces on Crankshafts, Cam Shafts and the Like.
Claims use since Nov. 30, 1939.

Ser. No. 540,872. Red Comet Incorporated, Littleton, Colo. Filed Nov. 12, 1947.

RED COMET

For Thermal Controlled Wall and Ceiling Mounted Fire Extinguisher Units, Hand-Operated Fire Extinguishers.
Claims use since May 15, 1947.

Ser. No. 551,849. Automatic Products Company, Milwaukee, Wis., now by change of name A P Controls Corporation, a corporation of Wisconsin. Filed Mar. 13, 1948. (Sec. 2f.)

OILIFTER

For Automatic Unitary Device Comprising a Pump, Electric Motor, Safety Valve, Strainers, an Automatically Operable Float and Electrical Controls All Coordinated for Intermittent Operation To Provide a Constant Supply of Fuel Oil to Oil Burning Appliances.
Claims use since November 1938.

Ser. No. 552,625. The Aetna-Standard Engineering Company, Youngstown, Ohio. Filed Mar. 22, 1948. (Sec. 2f as to "Standard.")

AETNA STANDARD

For Metal Working Machinery, Namely: Tube and Pipe Making Machinery—Viz., Seamless Tube Mills, Piercing Mills, Plug Mills, Reelers, Sizing Mills, Reducing Mills, Tube Rolling Mills, Butt-Weld Pipe Mills, Shears, Saws, Pipe Galvanizing Machinery, Tube Pointers; Plate, Sheet and Strip Machinery—Viz., Picklers, Roller Levellers, Stretcher Levellers, Rectifier Levellers, Plate Levellers, Oiling Machines, Shears, Slitters, Coil Boxes, Reeling Machines, Coiling Machines, Sheet and Strip Processing Machinery for Subjecting Sheet and Strip to Cold Working, Pilers, Side Trimmers, Coil Breakers, Slitters, Scrubbing and Drying Machines, Cleaning Machines, Branners, Tinning Machinery, Galvanizing Machinery; Miscellaneous Metal Working Machinery—Viz., Rotary Straightening Machines, Shape Straightening Machines, Cutting Off Machines, Threading Machines, Mill Tables, Cooling Beds, Drawbenches, Straightening Presses, Shears, Saws, Wire Drawing Machines, Wire Pointers, Bending Machines, Mill Rolls, Forming Rolls, and Welding Rolls.
Claims use since 1929.

Ser. No. 557,899. Chicago Pump Company, Chicago, Ill. Filed May 27, 1948. (Sec. 2f.)

"FLUSH KLEEN"

For Non-Clogging Sewage Pumping Unit.
Claims use since Jan. 20, 1927.

Ser. No. 557,902. Chicago Pump Company, Chicago, Ill. Filed May 27, 1948. (Sec. 2f.)

"Sure Return"

For Return Line Condensation Pump and Receiving Unit.
Claims use since Oct. 17, 1921.

Ser. No. 562,817. Austin-Western Company, Aurora, Ill. Filed Aug. 5, 1948. (Sec. 2f.)

THE AUSTIN-WESTERN LINE — BUILT TO OUTPERFORM

The expression "Built To Outperform" is disclaimed.
For Road Graders, Rollers, Bulldozers, Scarifiers, V-Plows and Loader Attachments for Road Graders, Road Sweepers, Road Rollers, Portable and Stationary Crushing and Screening Plants, Belt Conveyors, Self-Propelled Shovels, Clamshells, Trench Hoes, Cranes, Draglines, Skimmers, and Pile Drivers.
Claims use since Dec. 31, 1947.

Ser. No. 569,726. Tell William Thunberg, trading as Svenska Rakbladsfabriken T. Thunberg, Grastorp, Sweden. Filed Dec. 1, 1948.

RECORD 25 on

The word "Rostfri" is disclaimed. Applicant claims ownership of Swedish Registration No. 59,666, dated Mar. 29, 1945.
For Safety Razors and Safety Razor Blades.

Ser. No. 573,823. Atlas Scraper and Engineering Co., Bell, Calif. Filed Feb. 14, 1949.



For Road Scrapers, Rippers, Snow Plows, Earth Plows, Pumps, Cranes, Land Levelers, Hydraulic Cylinders, and Hydraulic Power Control Units Consisting of a Pump, Valve, and Supply Tank.
Claims use since June 1944.

Ser. No. 579,819. Grey Iron Casting Company, Mount Joy, Pa. Filed June 1, 1949.

GREYCRAFT

For Sets of Carpenters' Tools Sold as a Unit Comprising a Hammer, Plier, Putty Knife, Rule, Screw Driver, Carpenters' Chalk, Hand Saw With Blade, Triangle, Try Square, Vise, Cold Chisel, Center Punch, Tin Snip, Coping Saw With Blade, Sand Paper, and Gimlet.
Claims use since 1932.

Ser. No. 586,858. H. D. Hudson Manufacturing Company, Chicago, Ill. Filed Oct. 26, 1949. (Sec. 2f.)

PERFECTION

Applicant claims ownership of Registration No. 178,455.
For Manually-Operated Sprayers for Use With Liquid Insecticides and Fungicides.
Claims use since Jan. 1, 1905.

Ser. No. 587,875. The Kraissl Company, Inc., Hackensack, N. J. Filed Nov. 16, 1949. (Sec. 2f.)

For Non-Measuring Pumps of the Following Kinds: Rotary Air Pumps With Self-Contained Lubricating Systems, Both Air-Cooled and Water-Cooled; Rotary Vacuum Pumps With Self-Contained Lubricating Systems, Both Air-Cooled and Water-Cooled; Rotary Air Pumps With No Fluid Lubrication in the Interiors Thereof; Rotary Suction Pumps With No Fluid Lubrication in the Interiors Thereof; Centrifugal Pumps for Liquids; Centrifugal Pumps for Non-Lubricating Liquids; Roller Pumps for Handling Lubricating Fuel Oils, Coolants Etc.; Heavy Duty Fuel Oil Pumps; Pumps for Oils, Gasoline, and Solvents To Be Mounted Directly on its Prime Mover; and Slow Speed Roller Pumps for Use in Bulk Stations, on Tank Trucks and for Cargo and Transfer Services.
Claims use since Mar. 12, 1928.

Ser. No. 596,031. Kermath Manufacturing Company, Detroit, Mich. Filed Apr. 20, 1950.

SCREWBALL

For Internal Combustion Engines.
Claims use since Mar. 1, 1949.

Ser. No. 597,700. Rockwell Manufacturing Company, Pittsburgh, Pa., assignor to Emhart Manufacturing Company, a corporation of Delaware. Filed May 18, 1950.

AUTOMATON

For Apparatus for Feeding and/or Removing Work Pieces in Association With Power Presses and the Like.
Claims use since Apr. 27, 1950.

Ser. No. 600,264. Hamilton Trading Company, Inc., New York, N. Y., assignor to Hamilton Import Corporation, New York, N. Y., a corporation of New York. Filed July 6, 1950.

Friar

For Knives, Carving Sets, and Forks.
Claims use since Mar. 17, 1950.

Ser. No. 606,232. Murl E. Nichols, doing business as The Whipper-Clipper Co., Bonham, Tex. Filed Nov. 10, 1950.

THE WHIPPER-CLIPPER

The words "The" and "Clipper" are disclaimed.
For Lawn Mowers.
Claims use since Feb. 8, 1950.

Ser. No. 612,045. Universal Winding Company, Cranston, R. I. Filed Mar. 30, 1951.

UNIRAIL

For Textile Machinery—Namely, Winding Machines, Spinning Machines, and Twisting Machines.
Claims use since Mar. 19, 1951.

Ser. No. 612,426. Vulcan Safety Razor Corp., Maplewood, N. J. Filed Apr. 9, 1951.

Tadcaster

For Safety Razor Blades.
Claims use since Mar. 15, 1951.

Ser. No. 613,821. National Silver Company, New York, N. Y. Filed May 12, 1951.

ROYAL SCEPTER

Applicant claims ownership of Registrations Nos. 143,909, 441,489, and 513,090.
For Base Metal Table Cutlery—Namely, Knives, Forks, and Spoons.
Claims use since Apr. 16, 1951.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 513,781. Sperry Gyroscope Company, Inc., Great Neck, N. Y., now by merger The Sperry Corporation, a corporation of Delaware. Original filed, act of 1905, Dec. 5, 1946; amended to application under act of 1946, Supplemental Register, Oct. 21, 1947; amended to Principal Register, Sept. 25, 1948. (Sec. 2f as to "Sperry.")

SPERRY

For Radio Instrument and Automatic Landing Equipment for Aircraft Having as Components Thereof Localizer Transmitter Apparatus, Glide Path Transmitter Apparatus, Monitors, Airborne Receivers, Cross Pointer Meters, Electric Apparatus for Reception and Correlating Radio Landing Beams, and for Automatically Controlling the Landing Operations of the Aircraft Under Governance of the Said Beams.
Claims use since April 1941.

Ser. No. 562,116. American Speedlight Corporation, Richmond Hill, N. Y. Filed July 24, 1948.

ASCOR

For Electronic Flash Apparatus in Which a Capacitor Is Charged and Thereafter Discharged Through a Gas-Filled Tube To Produce a Flash of Light.
Claims use since Apr. 1, 1948.

Ser. No. 565,092. Vapor Heating Corporation, Chicago, Ill. Filed Sept. 13, 1948.

VAPOR ELECTRONIC MODULATES
TEMPERATURES ALWAYS AT THE CONTROL POINT

The words "Vapor," "Electronic," and "Modulates" and the phrase "Temperatures Always at the Control Point" are disclaimed. The drawing is lined for red.
For Temperature Responsive Electrical Apparatus for Controlling the Temperature of an Enclosure, Including Combination Structures Comprising One or More Thermostats Cooperatively Associated With One or More Electrically Energized Relays.
Claims use since May 26, 1948.

Ser. No. 570,767. Chalex Corporation, Chicago, Ill., Filed Dec. 18, 1948.

CHALEX

For Counting Apparatus Which Automatically Registers the Sales in Vending Machine.
Claims use since Aug. 12, 1948.

Ser. No. 589,667. Mechanical Research Ltd., Victoria, British Columbia, Canada. Filed Dec. 20, 1949.

KEGMASTER

Priority under Sec. 44(d). Canadian application Registration No. N. S. 33,089/129, dated Aug. 5, 1949. Applicant claims ownership of Canadian Registration No. N. S. 33,089/129, dated Aug. 5, 1949.
For Draft Arm for Dispensing Beverages in Pre-Determined Amounts, Equipped With an Automatic Counter for Indicating the Amount of Beverage Dispensed.

Ser. No. 592,618. The Dickson Company, Chicago, Ill. Filed Feb. 17, 1950.

MINICORDER

For Recording Apparatus Including Charts Sold as a Unit Therewith for Recording Temperature, Pressure, Vacuum, Absolute Pressure, Compound Vacuum, Mechanical Motion, Relative Humidity, Electric Operation, Electric Measurements, and Multiple Combinations of the Above.
Claims use since Nov. 1, 1938.

Ser. No. 595,639. Fred J. Maier, Chicago, Ill. Filed Apr. 8, 1950.

SPX – REST

For Spectacle Case.
Claims use since Feb. 1, 1950.

Ser. No. 596,274. Fox Products Company, Philadelphia, Pa. Filed Apr. 25, 1950.

SAFETY THERMENT

The word "Safety" is disclaimed.
For Thermistor and Thermostatic Cut-Out Controls for Battery Chargers.
Claims use since Mar. 9, 1949.

Ser. No. 596,676. Photographic Electrical Company, Limited, London, England. Filed May 1, 1950.

EDITOLA

Applicant claims ownership of English Registration No. 560,920, dated June 18, 1935.
For Apparatus for Reproducing Motion Picture Films and Sounds Simultaneously and for Film Editing Machines and Parts Thereof.

Ser. No. 598,416. Harry M. Greene, doing business as Greene Optical Mfg. Co., Chicago, Ill. Filed June 1, 1950.

ZYLON

For Optical Frames.
Claims use since Aug. 8, 1949.

Ser. No. 600,852. Robert Yarnall Richie Productions, Inc., New York, N. Y. Filed July 18, 1950.

ROBERT YARNALL RICHIE PRODUCTIONS, INC.

The words "Productions, Inc." are disclaimed. "Robert Yarnall Richie" is the name of a person and his consent is given.
For Motion Picture Film.
Claims use since Dec. 3, 1947.

Ser. No. 602,830. Bert Friedberg, doing business under the firm name and style of Bert Friedberg & Co., San Francisco, Calif. Filed Aug. 28, 1950.

DEAUVILLE

For Binoculars, Field Glasses, and Opera or Theater Glasses.
Claims use since Nov. 20, 1939.

Ser. No. 603,186. Filterzone Auto-Vision Co., Brooklyn, N. Y. Filed Sept. 6, 1950.

VISIONADE

For Plastic Filters or Sunshade Filters for Covering Windows, Windshields, and the Like.
Claims use since July 1, 1950.

Ser. No. 606,097. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")

WESTINGHOUSE

Applicant claims ownership of Registrations Nos. 103,016, 103,017, 111,113, 118,722, 150,168, 156,578, 284,152, 284,825, 294,092, 295,921, 297,565, 298,763, 299,083, 306,021, 317,198, 318,247, 325,267, 332,993, 336,260, 336,346, 336,403, 348,410, 349,302, 351,073, 354,878, 377,361, 378,744, 392,028, 407,395, 425,356, and 521,736.
For Electric Meters and Measuring Instruments—Namely, Electrostatic Volt-Meters; Electrostatic Ground Detectors; Portable and Switchboard Graphic Ammeters; Voltmeters; Wattmeters; Power-Factor Meters and Frequency-Meters; Switchboard Graphic Totalizing-Wattmeters; Kilo-Volt Ampere Meters and Totalizing Kilo-Volt Ampere Meters; Portable and Switchboard Indicating Ammeters, Voltmeters, Wattmeters, Frequency-Meters, Power-Factor Meters and Reactive-Factor Meters; Shunts for Direct Current Meters; Fault-Localizers; Iron-Loss Voltmeters; Maximum-Demand Meters; Kelvin Balances; Potentiometers; Synchroscopes; Integrating Watt-Hour Meters; Indicating Voltmeter-Compensators; Ampere-Hour Meters; Portable Precision-Voltmeter, Ammeters, Wattmeters and Watt-Hour Meters; Portable Lamp-Testing Meters; Electrical Testing Wheatstone Bridges; Watt-Hour Demand Meters; Spring-Testing Instruments; Average Value Voltmeters; Discharge Gaps for Voltage-Measuring; Mean-Square-Value Ammeters; Steam-Flow Meters; Harmonic Analyzers; Oscillographs; Ohmmeters; Polarity-Indicators; Temperature-Indicating Instruments; Apparent-Power Wattmeters; Maximum-Voltage Meters; Polyphase Power-Factor Meters; Differential Galvanometers; Galvanometers; Dynamometers; Recording Dynamometers; Thermocouple Potentiometers; Cycle-Recorders; Speed-Counters; Speedometers; Cyclometers; Tachometers; Precision Resistors for the Measurement of Impedance; Thermocouples; Permeometers; Thermostats; Tape Testing Machines; Mica-Gaging Machines; Pyrometers; Fluid-Flow Indicators; Multipliers for Potentiometers; Conductivity-Bridges; Vacuum Gages; Time Counters; Aircraft Volt and Ammeters; Meter Bases; Wind-Indicating Devices; Calculating Equipments for Power Systems; Vibrometers; Vibrographs; Dynamic Balancing Units and Machines; Accelerometers; Vibration Fatigue Apparatus; High Temperature Fatigue Machines; Shaft Eccentricity Recorders; Spindle Position Recorders; Spindle Vibration Recorders; Vibration Analyzing Apparatus; X-Ray Gages; X-Ray Apparatus for Making Miniature Photofluoroscopic Film; X-Ray Apparatus for Recording Images on Miniature Film; Instruments for Measuring and Recording Voltage Surges; Flaw Detecting Apparatus; Thickness Measuring Apparatus; Strain Gages; Network Analyzers; Analog Computers; Ballistics Computers; Torque Indicating Meters; Photoflood Lamps; Photoflash Lamps; Navigational, Search and Control Radar Transmitters and Receivers; X-Ray Screens; Gyroscopes for Stabilization and Control Purposes, Such as Torpedo Controls, Stabilized Siding Stations, Tank and Gun Stabilizers and Automatic Pilots; and Electrical Thermometers.
Claims use since June 1, 1941.

Ser. No. 606,771. Orville C. Goldner, Morris, N. Y. Filed Nov. 22, 1950.

VISUAL AMERICANA

The word "Visual" is disclaimed.
For Film Strips, Motion Picture Films and Still Picture Films.
Claims use since Dec. 15, 1948.

Ser. No. 609,251. Ohmer Corporation, Dayton, Ohio. Filed Jan. 25, 1951.

FARE-O-MATIC

The word "Fare" is disclaimed.
For Automatic Recording Fare Register With Built-In Money Changer.
Claims use since April 1945.

Ser. No. 609,750. V. & E. Manufacturing Co., Pasadena, Calif. Filed Feb. 7, 1951.

VELOX

For Beam Compasses.
Claims use since Jan. 4, 1951.

Ser. No. 609,989. Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Filed Feb. 12, 1951.

TEST-X

The word "Test" is disclaimed.
For Gauge to Indicate the General Condition and Condition of the Cooling Efficiency of an Internal Combustion Motor While Stationary.
Claims use since Aug. 15, 1950.

Ser. No. 610,042. American Lacquer Solvents Company, Phoenixville, Pa. Filed Feb. 14, 1951.

COLORAMIC

For Liquid Measuring Instrument for Weighing Desired Proportions of Quantities of Different Coating Compositions Each of a Different Color To Obtain a Desired Blended Color of the Mixed Coating Compositions.
Claims use since Apr. 7, 1949.

Ser. No. 611,383. Terrytoons, Inc., New Rochelle, N. Y. Filed Mar. 15, 1951.

LITTLE ROQUEFORT

The drawing is lined for shading.
For Series of Motion Picture Animated Cartoons.
Claims use since September 1950.

Ser. No. 613,107. Oriole Rule Manufacturing Corp., Baltimore, Md. Filed Dec. 7, 1950.

ORIOLE

For Rules and Extension Rules.
Claims use since Sept. 14, 1949.

Ser. No. 614,185. The Bennett Corporation, San Francisco, Calif. Filed May 23, 1951.

Finetta

For Cameras.
Claims use since June 1, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 612,058. E. H. Ashley & Company, Inc., Providence, R. I. Filed Mar. 31, 1951.

STARPHIRE

For Gems.
Claims use since Oct. 20, 1936.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 600,094. Van Brush Manufacturing Co., Kansas City, Mo. Filed June 30, 1950.



For Steel Wire Drag Brooms, Fibre Drag Brooms, Street Push Brooms, and Floor Brushes.
Claims use since Aug. 8, 1949.

Ser. No. 604,774. Dishmaster Corporation, Pontiac, Mich. Filed Oct. 12, 1950.

DISHMASTER

Applicant claims ownership of Registration No. 406,702.
For Fountain Type Dishwashing Brushes.
Claims use since Oct. 15, 1943.

Ser. No. 611,492. Hans M. Rosen, New York, N. Y. Filed Mar. 17, 1951.

MONA LISA

For Artists' Brushes.
Claims use since Aug. 28, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 580,428. Claude A. Reed, Omaha, Nebr. Filed June 14, 1949.

Whirla-Whip

The word "Whip" is disclaimed.
For Combination Machines for Freezing and Dispensing Frozen Confections.
Claims use since Feb. 6, 1949.

Ser. No. 598,947. Orville F. Evert, San Francisco, Calif. Filed June 12, 1950.

EVERT CARBONAIRE

The word "Evert" is disclaimed.
For Cooler and Dispenser for Dispensing Carbonated Beverages.
Claims use since Mar. 19, 1945.

Ser. No. 600,075. Philco Corporation, Philadelphia, Pa. Filed June 30, 1950.

Electromaster

For Home Refrigerators, Home Freezers, and Parts Thereof.
Claims use since Apr. 11, 1949.

Ser. No. 615,741. Aldens, Inc., Chicago, Ill. Filed June 27, 1951.

Dor-master

For Electric Refrigerators.
Claims use since June 15, 1951.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 572,942. Alexander Berkov, doing business under the fictitious firm name and style of Sleepy-Tot, North Hollywood, Calif. Filed Jan. 28, 1949.

Sleepy-Tot

The word "Tot" is disclaimed.
For Portable Crib Frames for Attachment to Beds.
Claims use since June 4, 1947.

Ser. No. 573,401. Barker Bros. Corporation, Los Angeles, Calif. Filed Feb. 7, 1949.

PACIFIC PROVINCIAL

The word "Provincial" is disclaimed.
For Living Room, Dining Room, and Bedroom Furniture Consisting of Chairs, Tables, Sofas, Buffets, Beds, Dressers, and Chests.
Claims use since June 14, 1948.

Ser. No. 599,839. The Nahon Company, New York, N. Y. Filed June 27, 1950. (Sec. 2f.)

Nahon

Applicant claims ownership of Registration No. 276,673.
For Sofas, Chairs, Benches, Chaise Lounges, Open Arm Chairs, Side Chairs, Love Seats, Dining Room Tables, Living Room Tables (Sofa Tables), Sideboards, Serving Tables, Breakfronts, Beds, Dressers, Chests, Double Commodes, Night Tables, Living Room Tables (Coffee Tables), Lamp Tables, Extension Console Dining Tables, and Cabinets.
Claims use since January 1927.

Ser. No. 600,021. Burton-Dixie Corporation, Chicago, Ill. Filed June 30, 1950.

Burtonighter

Applicant claims ownership of Registrations Nos. 158,908 and 366,640.
For Dual Purpose Sitting, Sleeping Type Couches.
Claims use since May 11, 1949.

Ser. No. 600,917. Shifman Bros., Newark, N. J. Filed July 19, 1950. (Sec. 2f.)

The ASTOR

For Mattresses.
Claims use since January 1926.

Ser. No. 605,128. Wood Products Manufacturing Co., Rocky Mount, N. C. Filed Oct. 18, 1950.

Dixie Blinds

The word "Blinds" is disclaimed.
For Venetian Blinds.
Claims use since June 15, 1946.

Ser. No. 605,129. Wood Products Manufacturing Co., Rocky Mount, N. C. Filed Oct. 18, 1950.

Tone-Lite Blinds

The words "Lite Blinds" are disclaimed.
For Venetian Blinds.
Claims use since June 15, 1941.

Ser. No. 611,234. Midwest Furniture Co., Sheboygan, Wis. Filed Mar. 13, 1951.

Roto-Eez

For Chairs.
Claims use since June 10, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 596,251. Wylie Brothers, Inc., Oklahoma City, Okla. Filed Apr. 24, 1950.

PATCH MOBILE

For Stove for Heating Paving Materials Mounted Upon a Trailer-Chassis.
Claims use since November 1949.

Ser. No. 615,756. Clayton & Lambert Manufacturing Company, Louisville, Ky. Filed June 27, 1951.

COILTROL

Applicant claims ownership of Registration No. 381,503.
For Conversion Burner Units for Liquid-Fuel Firepots.
Claims use since January 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 505,773. Shellmar Products Corporation, Chicago, Ill. Original filed, act of 1905, July 17, 1946; amended to application under act of 1946, Principal Register, Sept. 11, 1951.

FRE-Z-RAP

The term "RAP" is disclaimed. Applicant claims ownership of Registration No. 543,882.
For Cellulosic Wrappers for Food Products.
Claims use since Feb. 1, 1946.

Ser. No. 538,050. Syracuse Ornamental Co., Inc., Syracuse, N. Y. Filed Oct. 16, 1947.

Syroco Wood

The word "Wood" is disclaimed. Applicant claims ownership of Registration No. 420,732.
For Memo Pads, Desk Calendars, Paper Weights, and Desk Pen Sets.
Claims use since April 1931.

Ser. No. 581,834. The Shaw-Walker Company, Muskegon, Mich. Filed July 12, 1949. (Sec. 2f.)



SHAW-WALKER

The notation "Built Like a Skyscraper" is disclaimed.
For Vertical Filing Guides and Indexes, Filing Folders, Card Guides and Indexes, Record Cards and Forms, Payroll Checks, and Payroll Forms.
Claims use since 1934.

Ser. No. 584,557. The Todd Company, Inc., Rochester, N. Y. Filed Sept. 7, 1949.

FLEX SNAP

The word "Snap" is disclaimed.
For Checkbook Covers.
Claims use since Aug. 22, 1949.

Ser. No. 585,662. Nashua Gummed and Coated Paper Company, Nashua, N. H. Filed Oct. 1, 1949.

GLOWYTE

For Waxed Paper.
Claims use since Sept. 23, 1949.

Ser. No. 591,464. B. K. Elliott Company, Pittsburgh, Pa. Filed Jan. 26, 1950. (Sec. 2f.)

LENOX

Applicant claims ownership of Registration No. 356,982.
For Drawing Paper.
Claims use since Jan. 1, 1900.

Ser. No. 591,604. Belle Anderson, Chicago, Ill. Filed Jan. 28, 1950.

Milady's

For Memorandum Pads.
Claims use since Jan. 14, 1950.

Ser. No. 598,009. Frederick D. Fisher, New York, N. Y. Filed May 24, 1950.

AUTOSEAL

For Photographic Print Mounts.
Claims use since Mar. 26, 1950.

Ser. No. 602,292. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Filed Aug. 16, 1950.

ADVANCE

Applicant claims ownership of Registrations Nos. 433,280, 441,910, 504,951, and 535,281.
For Bleached and Unbleached Sulphate Kraft Wrapping Paper Manufactured Primarily To Meet the Requirements of the Meat and Grocery Trades.
Claims use since 1928.

Ser. No. 604,472. Ennis Tag & Salesbook Company, Ennis, Tex. Filed Oct. 5, 1950. (Sec. 2f as to "Ennis.")

Ennis

For Various Paper Office Supplies—Namely, Stenographers' Notebooks, Loose Leaf Notebook Fillers, Loose Leaf Typewriter Paper Fillers, Memorandum Book Loose Leaf Fillers, Composition Books, Memorandum Books, File Folders, Legal Pads, Pencil Tablets, Ink Writing Tablets, and Various Articles of Stationery—Viz., Index Cards, File Guides, Index Guides, Manifold Order Books, Remittance Books, Billhead Books, Purchase Order Books, Collection Report Books, Receiving Report Books, Manifold Receipt Books, Cashier Pads, Writing Tablets, Price Book Fillers, Scratch Pads, Adding Machine Rolls, Perforated Figure Pads, Typewriter Paper, Salesbooks, Restaurant Check Books, Paper Tags, Partially Printed and Blank Punch Checks, and Partially Printed and Blank Coat Room Checks.
Claims use since Jan. 1, 1948, as to the mark shown; and since 1909 as to the surname "Ennis."

Ser. No. 604,979. Mail-Well Envelope Company, Portland, Oreg. Filed Oct. 16, 1950. (Sec. 2f.)

MAIL-WELL

Applicant claims ownership of Registration No. 368,950.
For Correspondence and Mailing Envelopes.
Claims use since Jan. 2, 1934.

Ser. No. 605,548. Credo-Chek System, Inc., Seattle, Wash. Filed Oct. 28, 1950.

credo-chek

The word "Chek" is disclaimed.
For Partially Printed Checks Issued by a Credit Organization for Use in Credit Buying From Member Stores.
Claims use since Oct. 7, 1950.

Ser. No. 607,918. The Alling & Cory Company, Rochester, N. Y. Filed Dec. 21, 1950. (Sec. 2f.)

GENESEE LINEN

The word "Linen" is disclaimed. Applicant claims ownership of Registration No. 191,648.
For Bond Paper.
Claims use since 1912.

Ser. No. 609,572. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 2, 1951. (Sec. 2f.)

MILTON

Applicant claims ownership of Registration No. 285,319.
For Printing Paper.
Claims use since Jan. 2, 1936.

Ser. No. 609,573. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 2, 1951. (Sec. 2f.)

TRU-COLOUR

Applicant claims ownership of Registration No. 343,414.
For Printing Paper.
Claims use since May 14, 1913.

Ser. No. 611,429. Kitchen Products, Inc., Chicago, Ill. Filed Mar. 16, 1951.

Embassy

For Paper Towels, Paper Napkins, and Toilet Tissue.
Claims use since Sept. 10, 1949.

Ser. No. 611,650. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed Mar. 22, 1951.

MILLIFORM

For Packaging and Wrapping Papers.
Claims use since Jan. 16, 1951.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 559,762. Western Air Lines, Inc., Los Angeles and Los Angeles Airport, Calif. Filed Jan. 19, 1948.

Applicant claims ownership of Registration No. 513,869
For Publications Issued From Time to Time, Bulletins, and Picture Post Cards.
Claims use since 1926.

Ser. No. 573,327. The Literary Guild of America, Inc., Garden City, N. Y. Filed Feb. 4, 1949.

The Junior Literary Guild

Applicant claims ownership of Registrations Nos. 234,886 and 258,821.
For Books.
Claims use since 1929.

Ser. No. 582,007. Wisconsin Farmer Company, Racine, Wis. Filed July 14, 1949. (Sec. 2f.)

WISCONSIN Agriculturist AND FARMER

Applicant claims ownership of Registration No. 212,966.
For Periodical Publication.
Claims use since 1929; and since June 4, 1949, as to the mark shown in the particular style of lettering.

Ser. No. 612,025. The McNaught Syndicate, Inc., New York, N. Y. Filed Mar. 30, 1951.

Beauty After Forty

Applicant claims ownership of Registration No. 383,376.
For Newspaper Column.
Claims use since Apr. 1, 1940.

Ser. No. 612,614. Hearst Magazines Inc., New York, N. Y. Filed Apr. 13, 1951.



For Magazine Feature, Section, or Department.
Claims use since May 19, 1950.

CLASS 39

CLOTHING

Ser. No. 558,929. I. Schneierson & Sons, Inc., New York, N. Y. Filed June 10, 1948. (Sec. 2f.)

Bodi-Kool

Applicant claims ownership of Registration No. 336,795.
For Ladies' and Children's Princess Slips, Nightgowns, Pajamas, Bloomers, Step-Ins, Step-In Drawers, and Chemises, and Children's Dresses of a Textile Fabric.
Claims use since Apr. 20, 1935.

Ser. No. 558,932. I. Schneierson & Sons, Inc., New York, N. Y. Filed June 10, 1948. (Sec. 2f.)

Konform

Applicant claims ownership of Registration No. 286,855.
For Ladies' and Children's Princess Slips, Nightgowns, Pajamas, Bloomers, Step-Ins, Step-In Drawers, Dresses, and Chemises of a Textile Fabric.
Claims use since Mar. 4, 1936.

Ser. No. 558,939. I. Schneierson & Sons, Inc., New York, N. Y. Filed June 10, 1948. (Sec. 2f.)

Shado-Panl

Applicant claims ownership of Registration No. 314,236.
For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since Jan. 15, 1933.

Ser. No. 577,441. Miller Pants, Inc., doing business as Miller Manufacturing Company, Amsterdam, N. Y. Filed Apr. 20, 1949.



The drawing is lined for red.
For Collars for Coats and Overcoats.
Claims use since Apr. 8, 1949.

Ser. No. 577,534. Harry Matsil & Sons, New York, N. Y. Filed Apr. 22, 1949.



The word "Robes" is disclaimed.
For Bath, Lounging, and Beach Robes of Plain Solid Color for Men, Women, and Children.
Claims use since Mar. 1, 1949.

Ser. No. 578,788. Glaser Shoe Company, San Francisco, Calif. Filed May 13, 1949. (Sec. 2f.)

CALIFORNIA EASIES

The word "California" is disclaimed.
For Men's and Women's Slippers.
Claims use since June 30, 1931.

Ser. No. 581,304. Wilbar's, Inc., Boston, Mass. Filed June 29, 1949.

"SKI-DADDLE"

For Ladies' Shoes
Claims use since June 14, 1949.

Ser. No. 588,113. Sommer & Kaufmann, San Francisco, Calif. Filed Nov. 19, 1949.



The picture of the girl is fanciful. The word "Elevens" is disclaimed. Applicant claims ownership of Registration No. 263,891.
For Girls' Low Heeled Leather Shoes.
Claims use since Sept. 5, 1949.

Ser. No. 588,114. Sommer & Kaufmann, San Francisco, Calif. Filed Nov. 19, 1949.

S&K ORIGINALS

The word "Originals" is disclaimed. Applicant claims ownership of Registration No. 263,891.
For Men's Leather Shoes.
Claims use since July 1, 1949.

Ser. No. 591,365. Handmacher-Vogel, Inc., New York, N. Y. Filed Jan. 24, 1950.



Applicant claims ownership of Registration No. 339,318.
For Women's Suits.
Claims use since May 1941.

Ser. No. 595,216. I. B. Kleinert Rubber Company, New York, N. Y. Filed Apr. 4, 1950.

Tummy-Trol

For Girdles.
Claims use since Jan. 3, 1950.

Ser. No. 595,452. Concord Clothes, Inc., New York, N. Y. Filed Apr. 8, 1950.

Concord

For Women's, Men's, Young Men's, and Students' Clothing, Consisting of Suits, Overcoats, Leather Jackets, Leisure Coats, and Sport Jackets.
Claims use since September 1939.

Ser. No. 598,485. Major Fashions, Inc., New York, N. Y. Filed June 2, 1950.



The words "Fashioned by" are disclaimed.
For Ladies' Fur Lined and Fur Trimmed Coats and Jackets.
Claims use since Mar. 9, 1950.

Ser. No. 599,366. The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md. Filed June 19, 1950.

KLEETS

For Men's and Women's Shoes, Made of Rubber or Fabric and/or Any Combinations Thereof Used for Boating and Like Purposes.
Claims use since Apr. 6, 1950.

Ser. No. 602,096. Mrs. Nellie Klopner, Fort Worth, Tex. Filed Aug. 11, 1950.

KAYETTE

For Dresses for Infants.
Claims use since Feb. 14, 1950.

Ser. No. 603,093. Varden Dress, Inc., New York, N. Y. Filed Sept. 1, 1950. (Sec. 2f.)



The words "Casuals" and "The Dressmaker Fit" are disclaimed. Applicant claims ownership of Registrations Nos. 425,892 and 408,570.
For Misses' Petite Dresses.
Claims use since July 25, 1945.

Ser. No. 605,981. Avon Shoe Co., Inc., Brooklyn, N. Y. Filed Nov. 7, 1950.

Haymakers

For Men's, Women's, and Children's Shoes.
Claims use since July 1942.

Ser. No. 606,156. Markline Hosiery Company Inc., New York, N. Y. Filed Nov. 9, 1950.

Markline

For Women's Hosiery.
Claims use since 1941.

Ser. No. 606,302. The Juvenile Shoe Corporation of America, Aurora, Mo. Filed Nov. 13, 1950.

SISTERS IN WHITE

The word "White" is disclaimed. Applicant claims ownership of Registration No. 518,700.
For Shoes and Slippers for Women.
Claims use since Feb. 1, 1950.

Ser. No. 606,305. Lass O'Scotland, Ltd., New York, N. Y. Filed Nov. 13, 1950.



The design of the Scotch lassie is fanciful.
For Ladies' Knitted Suits and Sweaters.
Claims use since Apr. 1, 1950.

Ser. No. 606,692. Michael Barrie, Inc., New York, N. Y. Original filed, act of 1946, Supplemental Register, Nov. 21, 1950; amended to application, Principal Register, Sept. 12, 1951.

Michael Barrie

The name "Michael Barrie" is fanciful.
For Ladies' Dresses, Blouses, and Skirts.
Claims use since Oct. 1, 1946.

Ser. No. 608,127. Bernardo Sandals, Inc., New York, N. Y. Filed Dec. 27, 1950.

SUNWALK

For Sandals for Men, Women, and Children.
Claims use since Dec. 11, 1950.

Ser. No. 608,287. Rice-Stix, Inc., St. Louis, Mo. Filed Jan. 2, 1951.

"whistle britches"

The word "Britches" is disclaimed.
For Women's, Misses', and Children's Outerwear Garments—Namely, Shorts, Pedal Pushers, and Slacks Made of Cotton, Wool, Rayon, and Mixtures Thereof.
Claims use since Nov. 20, 1950.

Ser. No. 608,435. Petite Miss Co., New York, N. Y. Filed Jan. 5, 1951.

Cuddle Coat

The word "Coat" is disclaimed apart from the mark shown. Applicant claims ownership of Registrations Nos. 391,666 and 500,113.
For Ladies' Coats.
Claims use since December 1938.

Ser. No. 608,711. Morris Metzger & Sons, Inc., New York, N. Y. Filed Jan. 12, 1951.



Applicant claims ownership of Registration No. 545,627.
For Ladies' and Misses' Coats.
Claims use since May 1, 1950.

Ser. No. 608,801. Supreme Knitwear Co., St. Louis, Mo. Filed Jan. 15, 1951.

Presto-Pleat

The word "Pleat" is disclaimed.
For Women's and Misses' Skirts.
Claims use since Dec. 20, 1950.

Ser. No. 608,891. Northeast Shoe Co., Inc., Pittsfield, Maine. Filed Jan. 17, 1951.

Maine Aires

The word "Maine" is disclaimed.
For Shoes Made of Leather, Fabric, Rubber, or Combinations of Said Materials for the Use of Women and Children.
Claims use since May 28, 1946.

Ser. No. 609,006. Shoe Corporation of America, Columbus, Ohio. Filed Jan. 19, 1951.



The representation of the individual is fanciful. The word "Boots" is disclaimed.
For Men's, Women's, and Children's Shoes and Boots.
Claims use since Jan. 16, 1951.

Ser. No. 609,396. Co-Mar Fashions, Inc., New York, N. Y. Filed Jan. 30, 1951.

Co-Mar Fashions ORIGINALS

The words "Fashions" and "Originals" are disclaimed.
For Ladies' Coats and Suits.
Claims use since May 12, 1950.

Ser. No. 609,975. Her Majesty Underwear Company, Leola, Pa., and New York, N. Y. Filed Feb. 12, 1951.

TUCK 'N GROW

The word "Tuck" is disclaimed.
For Slips for Girls.
Claims use since Jan. 23 1951.

Ser. No. 610,731. Bass, Levine & Bass, Inc., New York, N. Y. Filed Mar. 2, 1951.

Mouchetana

For Ladies' Coats and Suits.
Claims use since Dec. 15, 1950.

Ser. No. 610,904. Hollywood-Maxwell Company, Los Angeles, Calif. Filed Mar. 6, 1951.

LONG DIVISION

For Brassières.
Claims use since Feb. 15, 1951.

Ser. No. 611,252. Acclaim Hosiery Mills, Inc., High Point, N. C. Filed Mar. 14, 1951.

Mi-Chic

For Ladies' Hosiery.
Claims use since Feb. 1, 1951.

Ser. No. 611,680. Big Jack Manufacturing Co., Inc., Bristol, Va. Filed Mar. 23, 1951.

"Jack-ettes"

For Girls' and Ladies' Blue Jeans.
Claims use since May 1, 1950.

Ser. No. 611,693. The Walker T. Dickerson Company, Columbus, Ohio. Filed Mar. 23, 1951. (Sec. 2f.)

DICKERSON

Applicant claims ownership of Registrations Nos. 315,260, 333,100, and others.
For Women's and Misses' Shoes.
Claims use since February 1930.

Ser. No. 611,766. Craddock-Terry Shoe Corporation, Lynchburg, Va. Filed Mar. 26, 1951.

American Boy

Applicant claims ownership of Registration No. 387,494.
For Boys' Shoes.
Claims use since March 1901.

Ser. No. 611,767. Craddock-Terry Shoe Corporation, Lynchburg, Va. Filed Mar. 26, 1951.

American Gentleman

Applicant claims ownership of Registration No. 386,399.
For Men's Shoes.
Claims use since 1901.

Ser. No. 612,279. T. S. Undergarment Corp., New York, N. Y. Filed Apr. 5, 1951.

T.S.one

For Ladies' Slips, Nightgowns, Pajamas, Brassières, Panties, and Girdles.
Claims use since Jan. 12, 1951.

Ser. No. 612,363. Tranzform, Inc., Hoboken, N. J. Filed Apr. 6, 1951.

BULGE MASTER

For Girdles, Corsets, Foundation Garments.
Claims use since Sept. 15, 1949.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 586,744. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif. Filed Oct. 24, 1949. (Sec. 2f as to "The Emporium.")

The BIG E

For Braids, Shoe and Belt Buckles, Buttons, Comb and Hand Mirror Sets, Beads in the Nature of Trimming, Non-Electric Hair Curlers, Pin Cushions, Elastic Braids, Fabrics Having Designed Stamped Thereon for Art Needlework, Ornamental Fasteners for Wearing Apparel, Breast Forms for Use in Wearing Apparel, Hat Feathers, Gimps, Shoe or Garment Laces, Tapes and Braids for Lacings, Medallions, Fabric Monograms, Needles for Hand Sewing and Knitting, Fabric Stamped With Designs for Needle Work, Ornaments for Wearing Apparel, Passementeries, Mending Patches, Transfer Patterns for Art Needlework, Pins for Needle Work, Dress Shields, Hair Switches, Wigs Made of Human Hair for Personal Wear, Tapes in the Nature of Trimming for Upholstery and Wearing Apparel, and Fabric Trimmings for Upholstery and Wearing Apparel.
Claims use since May 25, 1949, as to the mark shown; and since August 1896 as to "The Emporium."

Ser. No. 590,036. Shoreham Manufacturing Co., Inc., Winfield, N. Y. Filed Dec. 28, 1949.

PYROCEL

Applicant claims ownership of Registration No. 233,431.
For Toilet Sets Comprising Buttonhooks, Clocks, Hair Brushes, Clothes Brushes, Combs, Hair Receivers, Jewel Boxes, Mirrors, Atomizers, Perfume Bottle, Picture Frame, Pin Cushion, Puff Boxes, Cream Jars, Shoehorns, Trays, Manicure Scissors, Buffers, Nail Files, and Cuticle Implements, in This or Other Combinations.
Claims use since February 1926.

Ser. No. 599,398. T & S Precision Products, East Detroit, Mich. Filed June 19, 1950.

"MARGOT"

For Hair Goods, Such as Bobbypin Openers in the Form of a Disc To Be Worn on the Finger While Setting the Hair.
Claims use since May 8, 1950.

Ser. No. 600,956. Foster Grant Co., Inc., Leominster, Mass. Filed July 20, 1950.

Softee

For Combs.
Claims use since June 29, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 547,600. Alabama Mills, Inc., Birmingham, Ala. Filed Jan. 21, 1948. (Sec. 2f.)

OTIS

For Textile Fabrics of Cotton, Including Drills, Sheeting, Jeans, Hickory and Express Stripes, and Flannels, Sold in the Piece or Bolt.
Claims use since 1840.

Ser. No. 584,567. American Viscose Corporation, Philadelphia, Pa. Filed Sept. 8, 1949.

ZIPKNIT

For Fabrics of Synthetic Fibers.
Claims use since August 15, 1949.

Ser. No. 594,677. M. G. Williams, doing business as The Calhawaii Company, Pasadena, Calif. Filed Mar. 25, 1950.

CALHAWAII

For Draperies Made of Split Bamboo.
Claims use since May 24, 1948.

Ser. No. 604,016. Mooresville Mills, Inc., Mooresville, N. C. Filed Sept. 26, 1950.

VILLA

For Turkish Towels, Wash Cloths, and Bath Mats.
Claims use since Sept. 15, 1950.

Ser. No. 606,908. The Stewart Dry Goods Company, Louisville, Ky. Filed Nov. 24, 1950.

HYWORTH

For Sheets, Pillow Cases, and Blankets.
Claims use since July 1933.

Ser. No. 608,451. Ellison & Spring, Inc., New York, N. Y. Filed Jan. 6, 1951.

ENCHANTMENT

For Tablecloths and Napkins.
Claims use since Jan. 9, 1950.

Ser. No. 609,240. Samuel Hird & Sons, Inc., Garfield, N. J., and New York, N. Y. Filed Jan. 25, 1951. (Sec. 2f.)

Hirds Worsteds

The word "Worsteds" is disclaimed. Applicant claims ownership of Registration No. 183,067.
For Worsted Suitings in the Piece.
Claims use since Sept. 19, 1944.

Ser. No. 615,164. Dan River Mills, Incorporated, Danville, Va. Filed June 14, 1951.

TRUANT

For Cotton Piece Goods Used as Shirting Fabrics.
Claims use since Apr. 26, 1951.

Ser. No. 615,256. Tanbro Fabrics Corp., New York, N. Y. Filed June 15, 1951.

Janicheck

Applicant claims ownership of Registrations Nos. 534,983 and 540,847.
For Textile Fabrics in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Combinations Thereof.
Claims use since Feb. 21, 1950.

Ser. No. 615,257. Tanbro Fabrics Corp., New York, N. Y. Filed June 15, 1951.

Janifast

Applicant claims ownership of Registrations Nos. 534,983 and 540,847.
For Textile Fabrics in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Silk Fabrics.
Claims use since Feb. 21, 1950.

Ser. No. 615,258. Tanbro Fabrics Corp., New York, N. Y. Filed June 15, 1951.

Janisheer

Applicant claims ownership of Registrations Nos. 534,983 and 540,847.
For Textile Fabrics in the Piece, Composed of Rayon, Cotton, Linen, Wool, Nylon, and Silk Fabrics.
Claims use since Feb. 19, 1951.

Ser. No. 615,259. Tanbro Fabrics Corp., New York, N. Y. Filed June 15, 1951.

Janitwill

Applicant claims ownership of Registrations Nos. 534,983 and 540,847.
For Textile Fabrics in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Silk Fabrics.
Claims use since Feb. 21, 1950.

CLASS 43

THREAD AND YARN

Ser. No. 595,138. Shirley Herman, Montreal, Quebec, Canada. Filed Apr. 3, 1950.

NYARN

Priority is claimed under Sec. 44d. Canadian Registration filed Feb. 2, 1950, Registration No. N. S. 34,423, dated Feb. 2, 1950.
For Knitting Yarn and Thread.

Ser. No. 612,450. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Apr. 10, 1951.

DACRON

For Yarns of Synthetic Fibers.
Claims use since Mar. 16, 1951.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 587,767. Tea Garden Products Co., San Francisco, Calif. Filed Nov. 14, 1949.



The representation of the juice and fruit are disclaimed.
Applicant claims ownership of Registrations Nos. 334,801, 394,104, and 515,150.
For Grape Juice.
Claims use since Feb. 2, 1949.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 519,641. Fearn Laboratories, Inc., Franklin Park, Ill., now by change of name Fearn Foods Inc. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Aug. 8, 1947. (Sec. 2f.)

"Le Goût"

Applicant claims ownership of Registration No. 356,081.
For Canned Soups, Soup Bases in Paste Form, and Canned Soup Concentrates; Seasonings and Seasoning Compounds for Meats, Fish, Soups, Gravies, Sauces, Salads, Etc., in Powder, Liquid, and Paste Forms, Comprising Plant Proteins, Vegetable Juices or Powders, and Other Ingredients; Tenderizer in Liquid Form for Tenderizing Meats; Tenderizer in Powder Form for Flavoring, Seasoning and Tenderizing Foods; Gravy Powder; Chop Suey Sauce; Cereal Breakfast Foods; Cereal Meat Extenders in Powder Form (Containing No Meat Product); and Gravy Coloring and Seasoning in Liquid Form.
Claims use since August 1937.

Ser. No. 529,499. Standard Milling Company, Chicago, Ill. Filed July 25, 1947. (Sec. 2f.)

SAVOY

Applicant claims ownership of Registration No. 153,593.
For Wheat Flour.
Claims use since Feb. 6, 1920.

Ser. No. 532,732. The Loudonville Milling Company, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 28, 1947.



For Wheat Flour.
Claims use since December 1934.

Ser. No. 533,400. Seeman Brothers, Inc., New York, N. Y. Filed Sept. 4, 1947. (Sec. 2f.)

FLAVA-BAKE

Applicant claims ownership of Registration No. 397,749.
For Imitation Vanilla Flavor Used for Food Flavoring Purposes.
Claims use since May 26, 1941.

Ser. No. 537,177. Martin L. Hall Company, Boston, Mass. Filed Oct. 8, 1947.

VICTOR
The RIPE Coffee

The words "The Ripe Coffee" are disclaimed. Applicant claims ownership of Registration No. 68,024.
For Coffee.
Claims use since Mar. 28, 1938.

Ser. No. 539,954. Highgrove Fruit Association, Highgrove, Calif. Filed Nov. 3, 1947.

SWEET-HEART

For Fresh Citrus Fruits.
Claims use since 1905.

Ser. No. 545,786. Standard Milling Company, Chicago, Ill. Filed Dec. 30, 1947.

RED BALL

The drawing is lined for red. Applicant claims ownership of Registrations Nos. 151,803 and 407,571.
For Wheat Flour.
Claims use since 1922.

Ser. No. 550,979. Zaninovich Bros., Inc., Orange Cove, Calif. Filed Mar. 1, 1948. (Sec. 2f.)

ORANGE COVE

Applicant claims ownership of Registrations Nos. 233,130, 400,585, and 402,417.
For Fresh Grapes.
Claims use since Aug. 15, 1922.

Ser. No. 552,522. Wyeth Incorporated, Philadelphia, Pa. Filed Mar. 19, 1948.



The drawing is lined to indicate the colors pink and blue.
For Hypo-Allergenic Whole Milk.
Claims use since June 12, 1946.

Ser. No. 553,666. Blatchford Calf Meal Company, Waukegan, Ill. Filed Apr. 2, 1948.



The word "Dog" is disclaimed.
For Animal Food—Namely, Dog Food.
Claims use since Feb. 25, 1948.

Ser. No. 554,403. Pastene & Co., Inc., New York, N. Y. Filed Apr. 12, 1948.

CICCIO

Applicant claims ownership of Registration No. 358,314.
For Canned Salad and Cooking Oil.
Claims use since August 1940.

Ser. No. 554,710. Rosenberg Bros. & Co., San Francisco, Calif., assignor to Rosenberg Bros. & Co., Inc., Baltimore, Md., a corporation of Maryland. Filed Apr. 15, 1948.

RED RIBBON

For Dried Prunes.
Claims use since Feb. 1, 1901.

Ser. No. 555,591. Bergen Preserving Company A/S, Bergen, Norway, assignor to Norwegian Preserving Co. A/S, Bergen, Norway, a company of Norway. Filed Apr. 26, 1948.



The drawing is lined for brown. The portrait shown is that of His Royal Highness, Crown Prince Olav of Norway. Applicant claims ownership of Norwegian Registration No. 35,362, dated Mar. 22, 1948.
For Canned Sardines.

Ser. No. 556,814. Puccinelli Packing Company, Turlock, Calif. Filed May 11, 1948.

ALMA

For Dried and Dehydrated Fruits, Dehydrated Vegetables, Canned Fruits, and Canned Vegetables.
Claims use since Sept. 1, 1933.

Ser. No. 558,091. Wondercrop, Incorporated, New York, N. Y. Filed May 28, 1948.



For Fresh Deciduous Fruits and Vegetables.
Claims use since Feb. 1, 1940.

Ser. No. 558,420. The Smithfield Packing Company, Inc., Smithfield, Va. Filed June 3, 1948. (Sec. 2f as to "Luter's.")



The drawing is lined for red. The representation of the female chef is fanciful.
For Smoked and Cooked Hams, Smoked Picnics, Link Sausage, Bologna, Salami, Frankfurters, and Bacon.
Claims use since 1939 on the mark as shown; and since 1936 on the word "Luter's."

Ser. No. 559,527. Mission Citrus Association, Redlands, Calif. Filed June 17, 1948.

SERRANO

For Fresh Citrus Fruits.
Claims use since 1937.

Ser. No. 563,945. Marz Laboratories Limited, Windsor, Ontario, Canada. Filed Aug. 24, 1948.

NUTRI-POPS

The word "Pops" is disclaimed.
For Candy Containing Vitamins.
Claims use since Oct. 13, 1947; and first used in commerce among the several States on Oct. 13, 1947.

Ser. No. 566,116. Barricini Inc., New York and Long Island City, N. Y. Filed Sept. 30, 1948.



The stippling on the drawing represents shading.
For Candy.
Claims use since May 29, 1947.

Ser. No. 568,058. W. A. Hallauer, doing business as Wapato Packing Company, Wapato, Wash., assignor to Wapato Packing, Inc., Wapato, Wash., a corporation of Washington. Filed Nov. 2, 1948.

TIME TELLS

For Canned Fruits.
Claims use since Sept. 25, 1948.

Ser. No. 571,390. Allied Mills, Inc., Chicago, Ill. Filed Nov. 18, 1948. CONCURRENT USE with Serial No. 603,666 for the area comprising the States of Ohio, Pennsylvania, Maryland, Delaware, Virginia, Maine, New Hampshire, Rhode Island, Connecticut, New York, New Jersey, Michigan, Wisconsin, Illinois, Indiana, Colorado, Nebraska, Iowa, Wyoming, Montana, North Dakota, South Dakota, Minnesota, Vermont, and Massachusetts.

TIP TOP

Applicant claims ownership of Registration No. 321,231.
For Horse Feed, Poultry Scratch Grains, and Poultry Egg Mash.
Claims use since Dec. 1, 1913.

Ser. No. 571,767. Universal Mills, Fort Worth, Tex. Filed Jan. 6, 1949.

RED CHAIN

Applicant claims ownership of Registration No. 263,552.
For Feed for Poultry and Livestock.
Claims use since Jan. 1, 1929.

Ser. No. 574,718. Midland Cooperative Dairy Association, Shawano, Wis. Filed Mar. 1, 1949.

LITTLE FELLER

For Evaporated Milk.
Claims use since Oct. 25, 1948.

Ser. No. 580,505. Osceola Foods, Inc., Osceola, Ark. Filed June 15, 1949.

BLUE JEAN

The drawing is lined for blue.
For Oleomargarine.
Claims use since May 14, 1949.

Ser. No. 587,451. C. B. Williams, Mercedes, Tex., and Visalia, Calif. Filed Nov. 7, 1949.

SPARKLE

Applicant claims ownership of Registrations Nos. 191,733, 219,298, and 222,756.
For Fresh Tomatoes, Fresh Citrus Fruits, Fresh Grapes, and Fresh Plums.
Claims use since Jan. 1, 1924.

Ser. No. 589,211. Golden Nugget Sweets Ltd., San Francisco, Calif. Filed Dec. 12, 1949.

Look

For Candy.
Claims use since Sept. 29, 1949.

Ser. No. 589,456. Liberty Rice Mill, Inc., Kaplan, La. Filed Dec. 16, 1949.

Lib-Mil

For Packages of Rice.
Claims use since Dec. 7, 1949.

Ser. No. 590,881. Brantford Produce Company Limited, Brantford, Ontario, Canada. Filed Jan. 14, 1950.
For Cheese.

CHERRY HILL

Claims use since Sept. 8, 1947, in Canada; and was first used in commerce between Canada and the United States on July 26, 1949.

Ser. No. 591,038. C. C. Lang & Son, Inc., Baltimore, Md. Filed Jan. 18, 1950.

SURF CLUB

For Pickles.
Claims use since June 6, 1949.

Ser. No. 591,085. Household Products Company, Evanston, Ill. Filed Jan. 19, 1950.

Beau

For Dog Food.
Claims use since Jan. 10, 1949.

Ser. No. 592,749. Mary Ball Candy Kitchens, Incorporated, Birmingham, Ala. Filed Feb. 20, 1950.



DEEP SOUTH ASSORTMENT

The name "Mary Ball" is a fictitious name. The words "Candies" and "Deep South Assortment" are disclaimed. Applicant claims ownership of Registration No. 415,269.
For Candy.
Claims use since Feb. 1, 1948.

Ser. No. 593,851. T. Apkarian & Sons, Reedley, Calif. Filed Mar. 13, 1950.

BLUE HOUND

The term "Blue" is disclaimed.
For Fresh Grapes.
Claims use since August 1937.

Ser. No. 598,998. Imperial Candy Company, Seattle, Wash. Filed June 13, 1950.

BEAR CLAWS

For Candy.
Claims use since Mar. 27, 1950.

Ser. No. 599,557. Dairy Service Corporation, Washington, D. C. Filed June 22, 1950.



The word "Grove" is disclaimed.
For Frozen Orange Juice.
Claims use since May 20, 1950.

Ser. No. 601,030. L. W. Eddins, Calipatria, Calif. Filed July 21, 1950.

SAND DUNES

For Fresh Melons.
Claims use since 1943.

Ser. No. 601,076. The Procter & Gamble Company, Cincinnati, Ohio. Filed July 21, 1950.

COSOMAR

For Margarine Oil for Food Purposes.
Claims use since June 30, 1950.

Ser. No. 602,529. West Foods, Inc., Salem, Oreg. Filed Aug. 21, 1950.

HIS MAJESTY'S

For Fresh Mushrooms.
Claims use since February 1950.

Ser. No. 603,396. Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Filed Sept. 11, 1950.

SPUNGE-O-PEP

For Compound of Aqueous Mono and Di Glyceryls and Other Esters Used in the Production and Baking of Sponge Cakes.
Claims use since Aug. 1, 1948.

Ser. No. 603,398. Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Filed Sept. 11, 1950.

TEXT'R-BAK

For Compound of Aqueous Mono and Di Glyceryls and Other Esters Used in the Production and Baking of Cakes Made With Shortening.
Claims use since Mar. 1, 1950.

Ser. No. 603,453. Limpert Bros., Inc., New York, N. Y., and Vineland, N. J. Filed Sept. 12, 1950.

CUBANANA

For Canned Fruit Mix for Making Ice Cream.
Claims use since Aug. 23, 1950.

Ser. No. 603,666. Cherokee Mills, Inc., Nashville, Tenn. Filed Sept. 18, 1950. CONCURRENT USE with Serial No. 571,390 for the goods for the area comprising the following States: Tennessee, Kentucky, Georgia, Alabama, Mississippi, North Carolina, South Carolina, Florida, West Virginia, Louisiana, Arkansas, Texas, Oklahoma, New Mexico, Arizona, Utah, Idaho, Washington, Oregon, California, Nevada, Missouri, and Kansas.

TIP TOP

Applicant claims ownership of Registrations Nos. 237,844 and 237,270.
For Animal Feeds—Namely, Horse and Mule Feed, Hog Feed, Dairy Feed; and Chicken Feeds—Namely, Broiler Mash, Laying Mash, Grower Mash, Breeder Mash, Starter Mash, and Chick Scratch Feed.
Claims use since November 1910.

Ser. No. 603,816. Riksost S. M. R:S Ostlagerforening U. P. A., Stockholm, Sweden. Filed Sept. 20, 1950.

Riksost

The said mark has no exact translation. While the suffix "ost" is Swedish for Cheese, the prefix "Riks" is coined and is derived from the Swedish word "Rike" meaning kingdom.

For Cheese.

Claims use since December 1948; and first used in commerce among the several States and in commerce between foreign nations and the United States in December 1948.

Ser. No. 604,377. Curt Michaelis, Union City, N. J.; Beatrice Y. Michaelis and Aaron Lasser, executors of said Curt Michaelis, deceased, assignors to Basic Foods, Inc., a corporation of New York. Filed Oct. 3, 1950.



For Icing in Solid Form for Cakes and Cookies.

Claims use since Aug. 30 1950.

Ser. No. 605,687. The Sedutto Company, New York and Staten Island, N. Y. Filed Oct. 31, 1950. (Sec. 2f.)

Sedutto's

For Ice Cream and Sherbets.

Claims use since Feb. 1, 1922.

Ser. No. 606,066. The American Beauty Macaroni Co., Kansas City, Mo. Filed Nov. 8, 1950.

RONI

Applicant claims ownership of Registrations Nos. 240,172, 404,593, and 363,842.

For High Protein Macaroni.

Claims use since Mar. 1, 1927.

Ser. No. 607,031. McPhillips Packing Corporation, Bayou La Batre, Ala. Filed Nov. 28, 1950.

GREEN WAVE

Applicant claims ownership of Registration No. 383,134.

For Canned Oysters, Canned Crabmeat, and Canned Shrimp.

Claims use since 1940.

Ser. No. 609,565. Northrup, King & Co., Minneapolis, Minn. Filed Feb. 2, 1951.

NK

For Poultry and Livestock Feeds—Namely, Chick Scratch, Growing Scratch, Hen Scratch, Poultry Supplement, Turkey Balancer, Dairy Balancer, Pig and Hog Balancer, and Turkey Producer.

Claims use since Sept. 1, 1949.

Ser. No. 611,130. Hillsborough Packing Company, Tampa, Fla. Filed Mar. 10, 1951. (Sec. 2f.)

Old South

Applicant claims ownership of Registration No. 399,470.

For Fresh Citrus Fruits.

Claims use since Nov. 22, 1933.

Ser. No. 611,326. Zion Industries, Inc., Zion, Ill. Filed Mar. 14, 1951.

Sparkle

For Cookies.

Claims use since Jan. 17, 1951.

Ser. No. 611,891. The Dan Dee Pretzel and Potato Chip Company, Cleveland, Ohio. Filed Mar. 28, 1951.

DAN-DEE

Applicant claims ownership of Registrations Nos. 261,450, 301,078, 379,931, and others.

For Pop Corn Flavored With Cheese.

Claims use since August 1927.

Ser. No. 611,995. Associated Grocers' Company of St. Louis, Missouri, St. Louis, Mo. Filed Mar. 30, 1951.



The picture of the boy which appears on the drawing is fanciful. Applicant claims ownership of Registrations Nos. 536,120, 256,111 and others.

For Canned Vegetables, Canned Fruits, Canned Fruit Juice, Canned Potato Salad, Cranberry Sauce, Strawberry Jelly, Coffee, Cherry Preserves, Wheat Flour, Pickles, Olives, Nutmeg, Mayonnaise, Salt, Rice, Catsup, Tartar Sauce, French Dressing, Thousand Island Dressing, Canned Sliced Mushrooms, Canned Pimentos, Mustard, Barbecue Sauce, Oleomargarine, Vinegar, Salad Dressing, and Sandwich Spread Composed of Mayonnaise and Relish.

Claims use since Apr. 15, 1949.

Ser. No. 612,192. Paul J. Wheeler, doing business as Associated Foods Co., East Boston, Mass. Filed Apr. 3, 1951.

Swanee Sue

For Pancake Syrup.

Claims use since Mar. 13, 1951.

Ser. No. 612,260. W. L. and O. L. Hillman, Madden, Miss. Filed Apr. 5, 1951.

O. & W.

For Sorghum Flavored Syrup.

Claims use since Feb. 15, 1951.

Ser. No. 612,273. Red Star Yeast and Products Company, Milwaukee, Wis. Filed Apr. 5, 1951.



Applicant claims ownership of Registrations Nos. 55,768, 88,282, and 430,604.

For Inactive Dry Yeast.

Claims use since 1884 as to the words "Red Star" together with the illustration of a star; since Dec. 4, 1929, as to the illustration of a star overlying a length of ribbon; and since Dec. 26, 1950, as to the mark as shown.

Ser. No. 612,691. James P. Hobbs, Niland, Calif. Filed Apr. 16, 1951.

Lone Indian

For Fresh Tomatoes.

Claims use since Dec. 15, 1949.

Ser. No. 612,799. The Folly Town Company, Chicago, Ill. Filed Apr. 18, 1951.



Applicant claims ownership of Registration No. 174,909.

For Candy.

Claims use since Feb. 1, 1923.

Ser. No. 613,349. Stanley Fruit Company, Phoenix, Ariz. Filed Apr. 30, 1951.

URANIUM

For Fresh Vegetables.

Claims use since Mar. 15, 1951.

Ser. No. 613,432. Welch Nut & Candy Co., Chicago, Ill. Filed May 2, 1951.

TEEN - ETTES

For Candy.

Claims use since August 1950.

Ser. No. 614,225. Mrs. Tucker's Foods, Inc., Grayson, Tex. Filed May 22, 1951.

NYLENE

Applicant claims ownership of Registration No. 422,223.

For Salad Oil.

Claims use since Oct. 11, 1947.

CLASS 47

WINES

Ser. No. 616,149. California Wine Association, San Francisco, Calif. Filed July 19, 1951.



For Wines.

Claims use since Apr. 13, 1951.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 555,606. Jax Ice & Cold Storage Company, also doing business as Jax Brewing Company, Jacksonville, Fla. Filed Apr. 26, 1948.



The word "Ale" is disclaimed.

For Ale.

Claims use since Feb. 1, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 594,045. Robert A. Haas, Philadelphia, Pa. Filed Mar. 16, 1950.

VIP

For Visual Idea Plotting Guide for Artists, Designers, Ad-Men, Production Men, and Printers for Use in the Field of Graphic Arts for the Formulation of Layout and Design Ideas Founded on Visual Flexibility.

Claims use since Feb. 23, 1950.

Ser. No. 598,714. The Di-Noc Company, Cleveland, Ohio. Filed June 7, 1950.

Transveneer

For Kits Containing Materials for Applying Decorative Finishes To Surfaces—Namely, Lacquers, Decalcomania Transfers Comprising Lacquer Films, and Solutions in the Nature of Lacquer Solvents for the Mounting of Transfers.

Claims use since Aug. 25, 1949.

Ser. No. 606,868. Arthur O. Harris, Buffalo, N. Y. Filed Nov. 24, 1950.

DYNA-SYNE

The notation "Syne" is disclaimed.

For Portable Display, Presentation and Bulletin Boards for Use in Connection With Instructions and Display of Goods, for Supporting Instruction Sheets and Devices Thereon and Usable as a Screen for Light Projection.

Claims use since Apr. 5, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 597,449. Lucky Strike Perfumeries Corporation, New York, N. Y. Filed May 15, 1950.



For Soap.

Claims use since Nov. 28, 1935.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 559,862. S K F Industries, Inc., Philadelphia, Pa. Filed June 21, 1948. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 211,632, 212,212, 502,839, and 502,840.

For Engineering Service Encompassing Anti-Friction Bearing and Allied Fields Which Determines the Manifold Problems and Complexities Inherent in the Application of a Great Variety of Types and Sizes of Such Bearings To Diverse Machines and Vehicles, Thereby Insuring Better Life and Performance of Not Only the Bearings, But Also the Machines and Vehicles.

Claims use since Feb. 1, 1925.

Ser. No. 580,734. McKesson & Robbins, Incorporated, New York, N. Y. Filed June 18, 1949.

"Rex" McKay

The mark is a fictitious name and does not identify any particular living individual.

For Gathering and Furnishing to Physicians and Retail Druggists Complete Information on Pharmaceutical Products of All Manufacturers.

Claims use since May 1, 1948.

Ser. No. 593,849. The Middle South, New Orleans, La. Filed Mar. 10, 1950.



The words "Arkansas," "Louisiana," "Mississippi," and "The Middle South," and the map outline are disclaimed.

For Promotion of the Development and Industrial Growth of the Area Comprising the States of Arkansas, Louisiana, and Mississippi.

Claims use since June 13, 1948.

Ser. No. 600,650. Chi Omega Fraternity, Cincinnati Ohio. Filed July 14, 1950. COLLECTIVE MARK



For Stimulating and Helping Maintain Interest in Education, Civic Affairs, and Social Services.

Claims use since Apr. 5, 1895.

Ser. No. 603,830. Alpha Chi Rho Fraternity, New York, N. Y. Filed Sept. 21, 1950. COLLECTIVE MARK.

AXP

Applicant claims ownership of Registration No. 249,421.

For Establishment and Maintenance of Membership in a National Collegiate Fraternity.

Claims use since June 1895.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 584,063. Kipe Offset Process Company, Inc., New York, N. Y. Filed Aug. 26, 1949.

KY-VURE

For Lithographic Half-Tone Printing.

Claims use since Aug. 1, 1949.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 595,635. Atlas Assurance Company Limited, New York, N. Y. Filed Mar. 1, 1950.



The mark is a sketch representing the mythological figure of Atlas on a bended knee, supporting the world which is lined for shading only.

For Underwriting of Fire Insurance; Miscellaneous Property Insurance; Water Damage Insurance; Collision Insurance; Motor Vehicle and Aircraft Insurance; Marine Insurance; Marine Protection and Indemnity Insurance; Reinsurance of Risks of the Kind or Description Heretofore Stated.

Claims use since September 1808 in England; and since Jan. 1, 1886, in the United States and in commerce between foreign nations and the United States since Oct. 4, 1926.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 580,115. Ashland Oil & Refining Company, Ashland, Ky. Filed June 8, 1949. CERTIFICATION MARK.



The words "Independent," "Quality" and "Service" are disclaimed. The drawing is lined for the colors red and blue.

For Services Performed for Motorists in Automobile Service Stations—Namely, Changing Tires, Repairing Tires, Lubricating Automobiles and Parts Thereof, Recharging Batteries, and Engine Analysis and Tune-Up.

Claims use since Nov. 27, 1946.

Ser. No. 583,034. Earth Excavators Incorporated, Tuckahoe, N. Y. Filed Aug. 5, 1949.



The words "Earth Excavators Incorporated" and the representation of the mechanical equipment are disclaimed.

For Excavating; Grading and Paving Roads; Building Construction and Repairing Concrete Structures and Buildings; Tunneling; and Installing Conduits and Piping for Utilities.

Claims use since Jan. 1, 1949.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 548,800. Continental Bus System, Inc., Dallas, Tex. Filed Feb. 5, 1948.



For Transportation of Passengers, Baggage, Express, Mail, and Newspaper Publications by Motor Buses.

Claims use since Nov. 15, 1945.

Ser. No. 551,833. United Truck Lines, Incorporated, Spokane, Wash. Filed Mar. 12, 1948.



The drawing is lined for red.

For Motor Truck Transportation of Freight on Schedule.

Claims use since Jan. 15, 1936.

Ser. No. 596,857. Roy R. Male, doing business as Skyway Cruises, New York, N. Y. Filed May 4, 1950.

Skyway Cruises

The word "Cruises" is disclaimed.

For Travel Agency Services—Namely, Making Arrangements for Transportation, Accommodations, Transfers, and Sight-Seeing in Connection With Travel and Tours, and Wholesaling of Tours to Other Travel Agents and Bureaus.

Claims use since September 1944.

Ser. No. 600,346. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Filed July 7, 1950. (Sec. 2f.)



For Railroad Passenger and Freight Transportation Service.

Claims use since Mar. 1, 1928.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 539,650. Edward H. Butler, individually and as trustee under the last will and testament of Edward H. Butler, deceased, doing business as Buffalo Evening News, Buffalo, N. Y., assignor to Buffalo Evening News, Inc., Buffalo, N. Y., a corporation of New York. Filed Oct. 31, 1947.

Uncle Ben's Club

For Entertainment Service in the Nature of Story Telling Rendered Through the Medium of Radio.

Claims use since Sept. 9, 1930.

Ser. No. 588,237. Toastmasters International, Santa Ana, Calif. Filed Nov. 23, 1949. (Sec. 2f.)

TOASTMASTERS

For Training in Leadership, in Public Speaking, and in Criticism Thereof.

Claims use since Oct. 19, 1928.

Ser. No. 602,223. Morris Sheeler, Alexandria, Va. Filed Aug. 15, 1950.

THE BLUES CHASER CLUB

For Entertainment Service in the Nature of a Radio Broadcasting Program of the Musical Variety Type Interposed With Special Notices.

Claims use since June 1, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,607. Germicides. Merriam and Company, Washington, D. C.
Filed Feb. 25, 1946, Serial No. 497,186. Published Sept. 17, 1946. Class 18.

444,608. Plastic Handles for Electric Irons, Plastic Plates for Electric Switches, and Plastic Outlet Channels for Electric Wiring. Plastylite Corporation, Plainfield, N. J.
Filed June 5, 1946, Serial No. 503,326. Published Sept. 4, 1951. Class 21.

444,609. Oil Base Paints in Ready-Mixed Form, and Painters' Materials—Namely, Compounds Comprising Specially Treated Gums and Oils Used in Making Clear and Pigmented Mixtures for Painting Cement Surfaces. Preservative Products Company, New York, N. Y.
Filed July 12, 1946, Serial No. 505,516. Published June 6, 1950. Class 16.

444,610. Acrylic Polymer Plastic Composition for Use in Fabrication or Molding Operations. U. S. Chemical Corporation, Newark, N. J.
Filed Oct. 19, 1946, Serial No. 511,137. Published Aug. 28, 1951. Class 6.

444,611. Asphaltic Material Used for Waterproofing, Sealing, Dampproofing, and Priming, in Repairing Cracked Concrete Roofs, Silos, Floors, and Similar Structures. Anderson-Prichard Oil Corporation, Oklahoma City, Okla.
Filed Jan. 24, 1947, Serial No. 516,244. Published May 4, 1948. Class 12.

444,612. Carrying Cases for Piano Accordions. Don Noble & Company, Inc., Chicago, Ill.
Filed Apr. 25, 1947, Serial No. 521,358. Published Sept. 11, 1951. Class 36.

444,613. Carbon and Graphite Packing Rings and Carbon and Graphite Seal Rings, Etc. National Carbon Company, Inc., New York, N. Y., now by merger Union Carbide and Carbon Corporation, a corporation of New York.
Filed July 3, 1947, Serial No. 525,927. Published May 2, 1950. Class 35.

ACT OF 1946, PRINCIPAL REGISTER

551,415. Canned Bean Sprouts, Canned Chop Suey Vegetables, Canned Chow Mein Noodles, Canned Meatless Chop Suey, Canned Bamboo Shoots, Canned Water Chestnuts, a Seasoning for Foods in Powder Form Comprising Sodium Glutamate, Bead Molasses, and Thin Soy Sauce. Min-Sun Trading Co., Chicago, Ill., assignee of Min-Sun Trading Co.
Original filed, act of 1905, Aug. 25, 1945; amended to application under act of 1946, Principal Register, Oct. 23, 1948, Serial No. 487,561. Published Sept. 18, 1951. Class 46.

551,416. Pianos. Conover-Cable Piano Co., Chicago, Ill.
Original filed, act of 1905, May 17, 1946; amended to application under act of 1946, Principal Register, May 12, 1948, Serial No. 502,271. Published Sept. 18, 1951. Class 36.

551,417. Mineral Supplement for Animals. Herman Nagel, doing business as The Herman Nagel Co., Chicago, Ill.
Original filed, act of 1905, Feb. 20, 1947; amended to application under act of 1946, Principal Register, June 30, 1948, Serial No. 517,858. Published Aug. 7, 1951. Class 18.

551,418. Seasoned and Cooked Poultry and Fish; Croutons, Bread and Toasts; Chicken Salad, Potato Salad, Club Salad, Sandwich Spreads, Mayonnaise; Pastries—Namely, Butterhorns, Snails and Pies; Frozen and Unfrozen Cheese Rolls, Frozen and Unfrozen Party Sandwiches, Etc. Duchess, Inc., San Francisco and Oakland, Calif.
Filed July 5, 1947, Serial No. 527,077. Published Aug. 7, 1951. Class 46.

551,419. Canned Fruit Juices. Societe Anonyme Coloniale Ernest Lambert & Cie., Fort-de-France, Martinique.
Filed July 16, 1947, Serial No. 528,747. Published Aug. 28, 1951. Class 46.

551,420. Paint Sold in Liquid Form. Patek Brothers, Inc., Milwaukee, Wis.
Filed Aug. 19, 1947, Serial No. 531,823. Published Sept. 4, 1951. Class 16.

551,421. Preparation for the Treatment of Obesity, in Capsule and Tablet Form. Rose Starr, doing business as Starr Pharmacal Co., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,204. Published Aug. 3, 1948. Class 18.

551,422. Salt Brick. Morton Salt Company, Chicago, Ill.
Filed Oct. 14, 1947, Serial No. 537,812. Published Sept. 11, 1951. Class 46.

551,423. Hand Operated, Pressure Operated, Cartridge Operated, and Chemical Reaction, Portable and Stationary Fire Extinguishers. The Fyr-Fyter Company, Dayton, Ohio.
Filed Oct. 20, 1947, Serial No. 538,394. Published July 31, 1951. Class 23.

551,424. Ceramic Air Ducts, Molded Hollow Blocks and Floor Tiles Employed in Providing Supply and Return Passages From and to the Heating Units or Furnaces of Hot Air Heating Systems. Clay Products Association, Chicago, Ill.
Filed Oct. 22, 1947, Serial No. 538,608. Published July 31, 1951. Class 12.

551,425. Rubber Pelletizers, Rubber Plasticators, Rubber-Belt-Making Machines, Etc. Farrel-Birmingham Company, Incorporated, Ansonia, Conn.
Filed Oct. 24, 1947, Serial No. 538,898. Published July 24, 1951. Class 23.

551,426. Ready Mixed Paints for Interior and Exterior Use on Wood, Metal, Roofs, Walls, Floors, and Decks, Etc. Mautz Paint & Varnish Company, Madison, Wis.
Filed Nov. 6, 1947, Serial No. 540,297. Published Sept. 18, 1951. Class 16.

551,427. Liquid Measures—Namely, Cans or Containers for Measuring Liquids. Swing-Spout Measure Company, Los Angeles, Calif.
Filed Nov. 17, 1947, Serial No. 541,478. Published Aug. 14, 1951. Class 26.

551,428. Chocolate Flavored Syrup. Henry and Henry, Inc., Buffalo, N. Y.
Filed Nov. 19, 1947, Serial No. 541,674. Published Aug. 21, 1951. Class 46.

551,429. Dry Cleaning Compound. R. R. Street & Co., Inc., Chicago, Ill.
Filed Dec. 3, 1947, Serial No. 543,235. Published Sept. 11, 1951. Class 52.

551,430. Preserved Foods—Namely, Smoked Fish. Jonas Adolf Forsberg, Umea, Sweden.
Filed Dec. 6, 1947, Serial No. 543,588. Published Aug. 7, 1951. Class 46.

551,431. Safety Paper, Such as Is Used for Bank Checks, Bank Drafts, and Other Checks and Drafts, Bills of Exchange, Promissory Notes, Tickets, and All Vouchers of Value. George La Monte & Son, Nutley, N. J., and elsewhere in the United States.
Filed Dec. 15, 1947, Serial No. 544,353. Published May 30, 1950. Class 37.

551,432. Automatic Controls for Hot Water Heating Systems, More Particularly Pressure and Temperature Control Valves Associated With Hot Water Heating Systems. Mueller Co., Decatur, Ill.
Filed Dec. 22, 1947, Serial No. 545,155. Published Sept. 11, 1951. Class 13.

551,433. Poultry Feeds, and Livestock Feed, Etc. The Early & Daniel Company, Cincinnati, Ohio.
Filed Dec. 30, 1947, Serial No. 545,730. Published May 22, 1951. Class 46.

551,434. Flavored Malted Milk Drink. Avoset Company, San Francisco, Calif.
Filed Jan. 2, 1948, Serial No. 545,940. Published Aug. 21, 1951. Class 46.

551,435. Handbags, Suitcases, and Trunks. Belber Trunk and Bag Company, also known as Belber Trunk & Bag Company and Belber Trunk & Bag Co., Philadelphia, Pa.
Filed Jan. 5, 1948, Serial No. 546,181. Published Aug. 28, 1951. Class 3.

551,436. Individually Served Table Glass Server Used for Squeezing, Straining, and Dispensing of Lemon Juice. Alfred Sieminski, doing business under the name of Alsojan Associates, New York, N. Y.
Filed Jan. 8, 1948, Serial No. 546,521. Published Aug. 21, 1951. Class 33.

551,437. Men's Suits, Topcoats, Overcoats, Sport Coats, Slacks, Sweaters, Jackets, Outer Regular Shirts, and Outer Sport Shirts. Federated Department Stores, Inc., Cincinnati, Ohio, assignee, by mesne assignments, from The John Shillito Company.
Filed Jan. 16, 1948, Serial No. 547,287. Published Sept. 4, 1951. Class 39.

551,438. Men's Suits, Topcoats, Overcoats, Sport Coats, and Shirts. Federated Department Stores, Inc., doing business as John Shillito Company Division, Cincinnati, Ohio, assignee, by mesne assignments, from The John Shillito Company.
Filed Jan. 16, 1948, Serial No. 547,289. Published Sept. 4, 1951. Class 39.

551,439. Canned Tomatoes. Bercut-Richards Packing Co., Sacramento, Calif.
Filed Jan. 19, 1948, Serial No. 547,421. Published Mar. 13, 1951. Class 46.

551,440. Food Colors, Cheese Colors, and Food Flavoring Extracts. James B. Long & Company, Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,050. Published Aug. 28, 1951. Class 46.

551,441. Parting Compound Formed as a Dry Powder From Amorphous Rock Used on Patterns To Facilitate the Parting of the Same From the Molds. E. J. Woodison Company, Detroit, Mich.
Filed Feb. 27, 1948, Serial No. 550,765. Published Aug. 21, 1951. Class 1.

551,442. Packaging Machines and Machines for Pasting Labels on Food and Dietetic Products, Etc. "Sapal" Société Anonyme des Pileuses Automatiques, Lausanne, Switzerland.
Filed Mar. 5, 1948, Serial No. 551,317. Published Aug. 21, 1951. Class 23.

551,443. Toilet Soap. The Hewitt Soap Company, Inc., Dayton, Ohio.
Filed Mar. 9, 1948, Serial No. 551,560. Published Sept. 4, 1951. Class 52.

551,444. Cake. Farm Crest Bakeries, Inc., Detroit, Mich.
Filed Mar. 15, 1948, Serial No. 551,965. Published Aug. 14, 1951. Class 46.

551,445. Men's and Boys' Suits, Including Coats, Vests, and Trousers, and Overcoats. The Hecht Company, Washington, D. C.
Filed Dec. 30, 1947, Serial No. 552,391. Published Aug. 28, 1951. Class 39.

551,446. Mechanically Grooved Phonograph Records. The Decca Record Company Limited, London, England.
Filed Mar. 26, 1948, Serial No. 553,085. Published Sept. 18, 1951. Class 36.

551,447. Loom Supplies—Namely, Lug Straps, Check Straps, Top Roll Straps, Jack Straps, Harness Cords, Pickers, Picker Sticks, and Sweepsticks. E. H. Jacobs Manufacturing Co., Inc., Danielson, Conn., assignor to The Bullard Clark Company, Danielson, Conn., a corporation of Connecticut.
Filed Mar. 26, 1948, Serial No. 553,113. Published Aug. 21, 1951. Class 23.

551,448. Lard. Kingan & Co. Incorporated, Indianapolis, Ind.
Filed Apr. 3, 1948, Serial No. 553,780. Published June 19, 1951. Class 46.

551,449. Screw Drivers and Vises. The Stanley Works, New Britain, Conn.
Filed Apr. 22, 1948, Serial No. 555,317. Published Aug. 21, 1951. Class 23.

551,450. Hydraulic Conduit Couplings. Raymond M. Ulrich, doing business as Ulrich Manufacturing Company, Roanoke, Ill., assignor to Ulrich Manufacturing Company, Roanoke, Ill., a corporation of Illinois.
Filed Apr. 28, 1948, Serial No. 555,783. Published Sept. 11, 1951. Class 13.

551,451. Slips, Nightgowns, Petticoats, and Pajamas. Valmy Garment Company, Inc., Hammond, La.
Filed Apr. 29, 1948, Serial No. 555,853. Published Sept. 11, 1951. Class 39.

551,452. Fresh Citrus Fruits. Yuma Mesa Fruit Growers Association, Yuma, Ariz.
Filed Apr. 29, 1948, Serial No. 555,855. Published Aug. 28, 1951. Class 46.

551,453. Gas Ranges and Parts Thereof. Cribben and Sexton Company, Chicago, Ill.
Filed Jan. 24, 1948, Serial No. 556,731. Published Aug. 7, 1951. Class 34.

551,454. Rubber Surfaced Metal Bodied Rolls for Paper Machinery. The Cincinnati Rubber Mfg. Co., Cincinnati, Ohio.
Filed May 18, 1948, Serial No. 557,261. Published July 24, 1951. Class 23.

551,455. Loom Supplies—Namely, Dobby and Harness Cords. E. H. Jacobs Manufacturing Co., Inc., Danielson, Conn., assignor to The Bullard Clark Company, Danielson, Conn., a corporation of Connecticut.
Filed May 20, 1948, Serial No. 557,454. Published Dec. 26, 1950. Class 23.

551,456. Automatic Mechanical Sampler for Taking Representative Samples at Intervals From Sewage Flowing Through a Sewage Treating Plant. Chicago Pump Company, Chicago, Ill.
Filed May 27, 1948, Serial No. 557,903. Published Aug. 21, 1951. Class 23.

551,457. Stainless Insecticide, Deodorant, Repellant, Germicide Preparation for Household Use. Webb's City, Inc., doing business under the style of Knox Products Company, St. Petersburg, Fla.
Filed June 3, 1948, Serial No. 558,426. Published Aug. 14, 1951. Class 6.

551,458. Construction Materials—Namely, Concrete Rings and Plates Used in Concrete Buildings, and Supports for Adjustably Mounting a Threaded Shank Between Studs or Joists. All-Steel Equipment Inc., Aurora, Ill.
Filed June 4, 1948, Serial No. 558,434. Published July 31, 1951. Class 12.

551,459. Ladies' and Children's Princess Slips, Nightgowns, Pajamas, Bloomers, Step-Ins, Step-In Drawers, Chemises, and Children's Dresses of a Textile Fabric. I. Schnelerson & Sons, Inc., New York, N. Y.
Filed June 10, 1948, Serial No. 558,937. Published Sept. 11, 1951. Class 39.

551,460. Metallic and Enameled Cooking, Serving, and Household Hollow Ware, Etc. Omnipol, Limited Company, also named Omnipol, Akciova Spolecnost, Prague, Czechoslovakia.
Filed June 12, 1948, Serial No. 559,809. Published Sept. 11, 1951. Class 13.

551,461. Waste Paper. Lewis J. Burstein, doing business as Atlas Waste Paper Company, Decatur, Ill.
Filed June 23, 1948, Serial No. 559,994. Published Aug. 7, 1951. Class 1.

551,462. Medicinal Preparation Containing Sulfathiazole, Sulfadiazine, and Sulfamerazine Used in the Treatment of Infectious Diseases. Eli Lilly and Company, Indianapolis, Ind.
Filed June 23, 1948, Serial No. 560,034. Published Aug. 7, 1951. Class 18.

551,463. Salt (the Partially Refined Mineral); Cryolite, Both Crude and Refined; Fluorspar, Both Crude and Refined. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed June 23, 1948, Serial No. 560,042. Published Sept. 11, 1951. Class 1.

551,464. Hand Saws. American Saw & Manufacturing Company, Springfield, Mass.
Filed June 30, 1948, Serial No. 560,434. Published Aug. 21, 1951. Class 23.

551,465. Candy. Margaret Penn Candy Company, Philadelphia, Pa.
Filed July 1, 1948, Serial No. 560,566. Published Aug. 28, 1951. Class 46.

551,466. Compound Generally Utilized as a Sealing Cement or Adhesive. St. Clair Rubber Company, Detroit, Mich.
Filed July 1, 1948, Serial No. 560,578. Published Aug. 14, 1951. Class 5.

551,467. Liquid Filler Intended for Priming and First Coating on Hard and Soft Woods. Standard Varnish Works, Staten Island, N. Y.
Filed July 10, 1948, Serial No. 561,155. Published Sept. 4, 1951. Class 16.

551,468. Fabrics—Namely, Velvets, Embroideries, Laces, and Nets. Al Robbin, doing business as A. Robbin and Company, Chicago, Ill.
Filed July 22, 1948, Serial No. 561,945. Published Sept. 11, 1951. Class 42.

551,469. Woven Woolen Goods—Namely, Piece Goods Lengths, Woven Woolen Squares, and Steamer Rugs. The Crock of Gold, Ltd., Blackrock, Eire.
Filed Aug. 4, 1948, Serial No. 562,768. Published Sept. 11, 1951. Class 42.

551,470. Gasoline Gauges for Farm Tractors. McGrath & Sons, Detroit, Mich.
Filed Aug. 13, 1948, Serial No. 563,353. Published Aug. 14, 1951. Class 26.

551,471. Machines for Molding or Casting Printing Plates. Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Filed Aug. 16, 1948, Serial No. 563,467. Published Aug. 7, 1951. Class 23.

551,472. Mechanical Farm Equipment—Namely, Speed Jacks, Grain Elevators, Post Hole Diggers, Power Loaders, Buck Rakes, Power Take Off Drives, and Lifting Hoists. G & D Manufacturing Company, Streator, Ill.
Filed Aug. 18, 1948, Serial No. 563,673. Published Sept. 4, 1951. Class 23.

551,473. Dresses. The Gottfried Company, Cleveland, Ohio.
Filed Aug. 19, 1948, Serial No. 563,736. Published Jan. 10, 1950. Class 39.

551,474. Saline Cathartic. Looz, Inc., Chicago, Ill.
Filed Aug. 19, 1948, Serial No. 563,746. Published Aug. 7, 1951. Class 18.

551,475. Material Moving Equipment—Viz., Bulldozers, Snow Plows, and Parts Thereof. A. C. Anderson, Inc., Wildwood, N. J.
Filed Aug. 20, 1948, Serial No. 563,771. Published July 31, 1951. Class 23.

551,476. Natural Black or Vegetable Black for Use Principally as a Pigment. West Virginia Pulp and Paper Company, New York, N. Y.
Filed Feb. 14, 1948, Serial No. 563,971. Published Sept. 11, 1951. Class 6.

551,477. Temperature Recording Thermometers; Thermostatic Temperature Regulators; Etc. The Powers Regulator Company, Chicago, Ill.
Filed Aug. 24, 1948, Serial No. 564,263. Published Aug. 14, 1951. Class 26.

551,478. Meters for the Indication and Measurement of Flow of Liquids and Gases. Flowmeter Corporation of America, High Falls, N. Y.
Filed Aug. 30, 1948, Serial No. 564,381. Published Aug. 7, 1951. Class 26.

551,479. Men's Hats Made Rain-Proof by a Special Process. Young's Merchandising Corporation, New York, N. Y.
Filed Aug. 30, 1948, Serial No. 564,419. Published Sept. 11, 1951. Class 39.

551,480. Fresh Bananas. Banana Corporation, Richmond, Va.
Filed Sept. 14, 1948, Serial No. 565,104. Published Sept. 4, 1951. Class 46.

551,481. Bread. Bell Bakeries, Inc., New York, N. Y.
Filed Sept. 18, 1948, Serial No. 565,410. Published Aug. 14, 1951. Class 46.

551,482. Fiber Concrete Compositions. Corwin D. Willson, Flint, Mich.
Filed Oct. 1, 1948, Serial No. 566,832. Published Aug. 21, 1951. Class 12.

551,483. Centrifugal Gas and Particle Separators and Samplers for Gathering or Collecting Dust or Separated Particles for the Purpose of Conducting Tests Thereof and Determining the Particle or Dust-Content of the Gas. The Aerotec Corporation, Greenwich, Conn.
Filed Oct. 20, 1948, Serial No. 567,227. Published Sept. 4, 1951. Class 23.

551,484. Metal Preservative Preparations. Carrier Engineering Company Limited, London, England.
Filed Oct. 18, 1950, Serial No. 567,498. Published Sept. 11, 1951. Class 6.

551,485. Ladies' and Children's Slips, Nightgowns, and Pajamas, and Ladies' and Children's Panties. Central Undergarment Inc., New York, N. Y.
Filed Oct. 29, 1948, Serial No. 567,851. Published Sept. 11, 1951. Class 39.

551,486. Men's, Women's, Boys', and Girls' Shoes. The Coward Shoe, Inc., New York, N. Y.
Filed Nov. 2, 1948, Serial No. 568,043. Published Sept. 11, 1951. Class 39.

551,487. Fresh Onions, and Fresh Mixed Vegetables. Ciruli Brothers, Pueblo, Colo.
Filed Nov. 3, 1948, Serial No. 568,145. Published Aug. 28, 1951. Class 46.

551,488. Hydraulic Jacks. Hein-Werner Corporation, Waukesha, Wis.
Filed Nov. 4, 1948, Serial No. 568,189. Published Aug. 14, 1951. Class 23.

551,489. Sewing and Stitching Machines as Well as Spare Parts. Máquinas de Coser Alfa Sociedad Anónima, Eibar (Guipuzcoa), Spain.
Filed Nov. 9, 1948, Serial No. 568,437. Published Sept. 4, 1951. Class 23.

551,490. Watches, Clocks, Watch and Clock Movements, Cases and Parts for Clocks and Watches. Tilmore Watch Company, Philadelphia, Pa.
Filed Sept. 25, 1948, Serial No. 570,015. Published Aug. 16, 1949. Class 27.

551,491. Levels, Miter Boxes, Squares, Tape Lines, Rules, Micrometers, Calipers, Thickness Gauges, Depth Gauges, Center Gauges, Dividers, Feeler Gauges, Wire Gauges, Thread Gauges, Magnifiers, Speed Indicators for Rotating Machinery, Plumb Bobs, Protractors, Butt Gauges, Transits. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,655. Published Aug. 14, 1951. Class 26.

551,492. High Pressure Air Coupling for Connecting Air Lines to Vulcanizing Units for Use in the Manufacture of Pneumatic Tires. The Hydrolock Manufacturing Inc., Mansfield, Ohio.
Filed Dec. 17, 1948, Serial No. 570,704. Published Sept. 11, 1951. Class 13.

551,493. Women's and Children's Aprons, Dresses, and Smocks. Boris Smoler & Sons, Inc., Chicago, Ill.
Filed Dec. 17, 1948, Serial No. 570,727. Published Sept. 11, 1951. Class 39.

551,494. Buffing and Polishing Equipment and Supplies—Namely, Razor Hones, Abrasive Paper Rolls (for Sharpening Knives, Tools, Etc.), Abrasive Stones, Grinding Wheels, Sharpening Stones, Grindstones. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 24, 1948, Serial No. 571,099. Published Sept. 4, 1951. Class 4.

551,495. Shoe Bottom Filling Material. Thompson Shoe Products, Inc., Brockton, Mass.
Filed Dec. 29, 1948, Serial No. 571,302. Published Aug. 7, 1951. Class 1.

551,496. Industrial Lift Trucks for Tiering, Transporting, and Handling Loads. The Elwell-Parker Electric Company, Cleveland, Ohio.
Filed Jan. 12, 1949, Serial No. 572,028. Published Sept. 4, 1951. Class 23.

551,497. Machine Used by the Individual Smoker To Form Cigarettes. M. Wintrob & Sons Limited, Toronto, Ontario, Canada.
Filed Mar. 7, 1950, Serial No. 572,143. Published Aug. 21, 1951. Class 8.

551,498. Metal Pipe and Fittings and Miscellaneous Appurtenances Therefor—Namely, Bell and Spigot, All Bell, Mechanical Joint Bell, and Flanged Fittings; Split Sleeves and T's, Bell Traps, Test Plugs and Caps, and Valve Box Covers. James B. Clow & Sons, Chicago, Ill.
Filed Jan. 21, 1949, Serial No. 572,484. Published Sept. 11, 1951. Class 13.

551,499. Seedlac. The Siam Shellac Company Limited, Amphur Bukalo, Dhonburi, Siam.
Filed Jan. 21, 1949, Serial No. 572,521. Published Sept. 11, 1951. Class 1.

551,500. Canned Foods—Namely, Vegetables, Vegetable Juices, Fruits, Etc. S. Kahn's Sons, Inc., Evansville, Ind.
Filed Jan. 25, 1949, Serial No. 572,745. Published Sept. 4, 1951. Class 46.

551,501. Wall Tile. Robertson Manufacturing Company, Morrisville, Pa.
Filed Jan. 27, 1949, Serial No. 572,924. Published July 17, 1951. Class 12.

551,502. Addition Agent for Hydrocarbon Motor Fuels for Cleaning Fuel Systems of Internal Combustion Engines. Mid-West Refineries, Inc., Grand Rapids, Mich.
Filed Feb. 1, 1949, Serial No. 573,133. Published July 31, 1951. Class 15.

551,503. Fresh Citrus Fruits. Upland Lemon Growers Association, Upland, Calif.
Filed Feb. 4, 1949, Serial No. 573,344. Published Apr. 25, 1950. Class 46.

551,504. Asphalts. Union Oil Company of California, Los Angeles, Calif.
Filed Feb. 7, 1949, Serial No. 573,447. Published Sept. 11, 1951. Class 1.

551,505. Musical Instruments—Namely, Clarinets. Societe de Faconnage et de Commerce, Velaines, France.
Filed Apr. 27, 1949, Serial No. 573,814. Published Sept. 11, 1951. Class 36.

551,506. Hair Wave Setting Preparation, Face Powders, Personal Deodorants, Cold Cream, Face Creams, Vanishing Cream, Hand Cream, Skin Cleansing Cream, and Bleach Cream. York Pharmacal Company, also doing business as York Company, St. Louis, Mo.
Filed Feb. 14, 1949, Serial No. 573,858. Published Aug. 7, 1951. Class 51.

551,507. Barn Door Hardware—Namely, Door Tracks, Door Track Brackets, and Door Hangers. Starline Inc., Harvard, Ill.
Filed Feb. 26, 1949, Serial No. 574,595. Published Sept. 18, 1951. Class 13.

551,508. Abrasive Grinding Wheels for Use in Connection With Machine and Hand-Operated Grinders. Simonds Worden White Company, doing business as Safety Grinding Wheel & Machine Co., Dayton, Ohio.
Filed Feb. 28, 1949, Serial No. 574,651. Published Sept. 4, 1951. Class 4.

551,509. Socks, Including Socks With Leather Soles. Cooper's, Incorporated, Kenosha, Wis.
Filed Mar. 23, 1949, Serial No. 575,890. Published Sept. 4, 1951. Class 39.

551,510. Pianos. Kranich & Bach, New York, N. Y.
Filed Apr. 4, 1949, Serial No. 576,587. Published Sept. 18, 1951. Class 36.

551,511. Emulsifying Agents for Oil in Water and for Water in Oil Emulsions. Watford Chemical Co. Limited, London, England.
Filed Apr. 9, 1949, Serial No. 576,890. Published July 31, 1951. Class 6.

551,512. Smokers' Pipes. H. Comoy & Co., Limited, London, England.
Filed Apr. 14, 1949, Serial No. 577,103. Published Aug. 15, 1950. Class 8.

551,513. Grass Seed. S. D. Woodruff & Sons, Inc., Orange, Conn.
Filed Apr. 21, 1949, Serial No. 577,502. Published Aug. 28, 1951. Class 1.

551,514. Mechanically Grooved Phonograph Records. Synthetic Plastics Company, Newark, N. J.
Filed Apr. 27, 1949, Serial No. 577,823. Published Sept. 18, 1951. Class 36.

551,515. Braided Rugs. Grace Ruhe Collins, executrix for the estate of Oliver C. Collins, doing business as Topton Rug Mfg. Co., Topton, Pa., assignor to Topton Rug Manufacturing Co., Topton, Pa., a corporation of Pennsylvania.
Filed May 4, 1949, Serial No. 578,194. Published Aug. 28, 1951. Class 42.

551,516. Hand Loomed Cotton Rugs. Grace Ruhe Collins, executrix for the estate of Oliver C. Collins, doing business as Topton Rug Mfg. Co., Topton, Pa., assignor to Topton Rug Manufacturing Co., Topton, Pa., a corporation of Pennsylvania.
Filed May 4, 1949, Serial No. 578,195. Published Aug. 28, 1951. Class 42.

551,517. Textile Belting Sold by the Spool, Bolt, and Yard. Progressive Ribbon Co., New York, N. Y.
Filed May 7, 1949, Serial No. 578,412. Published Sept. 4, 1951. Class 40.

551,518. Plastic Coated Fabric Working Gloves. Arshag Sarjanian, doing business as Sarjanian Glove Company, Detroit, Mich.
Filed May 19, 1949, Serial No. 579,135. Published Sept. 11, 1951. Class 39.

551,519. Mats, Bats, and Sheets of Fibrous Material for the Thermal and Acoustic Insulation of Buildings. Owens-Corning Fiberglas Corporation, Toledo, Ohio.
Filed May 21, 1949, Serial No. 579,379. Published July 17, 1951. Class 12.

551,520. Mechanically Operated Film Viewers. Craftsmen's Guild, Hollywood, Calif.
Filed May 31, 1949, Serial No. 579,739. Published Aug. 7, 1951. Class 26.

551,521. Millwork Made Entirely or in Major Part of Wood—Namely, Doors, Gates, Etc. Farley & Loetscher Mfg. Co., Dubuque, Iowa.
Filed June 4, 1949, Serial No. 579,973. Published Aug. 7, 1951. Class 12.

551,522. Insecticides and Pesticides. The Sherwin-Williams Company, Cleveland, Ohio.
Filed June 9, 1949, Serial No. 580,210. Published June 20, 1950. Class 6.

551,523. Depilatory Cream. Helena Rubinstein, Inc., New York, N. Y.
Filed June 10, 1949, Serial No. 580,263. Published Aug. 28, 1951. Class 51.

551,524. Furniture Polish and Cleaner. Radinite Corporation, New York, N. Y.
Filed June 13, 1949, Serial No. 580,377. Published Sept. 11, 1951. Class 4.

551,525. Cleaning Liquid for Use on Painted Walls, Upholstery, Linoleum, Nickel, and Chrome. The Rush Products Co., Los Angeles, Calif.
Filed June 18, 1949, Serial No. 580,751. Published July 25, 1950. Class 52.

551,526. Textile Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed June 25, 1949, Serial No. 581,085. Published Sept. 11, 1951. Class 42.

551,527. Cooling Systems for Reducing Temperatures, Etc. Croll-Reynolds Co. Inc., Westfield, N. J.
Filed June 27, 1949, Serial No. 581,123. Published Sept. 4, 1951. Class 31.

551,528. Pillow Covers, Blanket Covers, and Mattress Covers Made of Broadcloth and Rayon-Satin. Goldwater Bros., New York, N. Y.
Filed July 7, 1949, Serial No. 581,591. Published Sept. 11, 1951. Class 42.

551,529. Polyethylene Film. Sun Chemical Corporation, Long Island City, N. Y.
Filed July 16, 1949, Serial No. 582,109. Published Aug. 7, 1951. Class 1.

551,530. Lightning Discharge Blocks. Cook Electric Company, Chicago, Ill.
Filed July 21, 1949, Serial No. 582,279. Published Aug. 28, 1951. Class 21.

551,531. Glass Bottles for Shipping and Dispensing Parenteral Solutions. Cutter Laboratories, Berkeley, Calif.
Filed June 13, 1949, Serial No. 582,391. Published Sept. 4, 1951. Class 44.

551,532. Battery Operated Electric Lanterns. Delta Electric Company, Marion, Ind.
Filed Aug. 1, 1949, Serial No. 582,771. Published Aug. 28, 1951. Class 21.

551,533. Curtain Rods and Drapery Hardware—Namely, Extension Curtain Rods, Etc. Kirsch Company, Sturgis, Mich.
Filed Aug. 8, 1949, Serial No. 583,153. Published Sept. 18, 1951. Class 13.

551,534. Cloths and Stuffs Made of Wool, Worsted, Cotton, Silk, Synthetic Fibers, Hair, Linen, Hemp, and Jute. Tissages Rodier, Paris, France.
Filed Aug. 10, 1949, Serial No. 583,292. Published Sept. 11, 1951. Class 42.

551,535. Blast Furnace Cinder Notch Stoppers and Clay Guns, Furnace Charging Machines, Forging Manipulators, Grab Buckets, Soaking Pit Cover Carriages, Granulating Machines, and Flue Dust Conditioners for Mechanically Moistening Flue Dust. Edgar E. Brosius Company Inc., Pittsburgh, Pa., now by change of name Salem-Brosius, Inc., a corporation of Pennsylvania.
Filed Aug. 11, 1949, Serial No. 583,326. Published Aug. 28, 1951. Class 23.

551,536. Hand Brackets for Attaching a Garden Hose to a House Broom for Cleaning Porches, Sidewalks, Basements, and the Like. Joseph A. Gettelfinger, Cincinnati, Ohio.
Filed Aug. 17, 1949, Serial No. 583,600. Published Sept. 11, 1951. Class 13.

551,537. Coin Operated Electric Timers Used for Establishing an Electric Circuit for a Predetermined Interval of Time. Avco Manufacturing Corporation, Cincinnati, Ohio.
Filed Aug. 20, 1949, Serial No. 583,731. Published Aug. 14, 1951. Class 26.

551,538. Typewriters. Paillard Products, Inc., New York, N. Y., assignor to Paillard Limited, Yverdon, Switzerland.
Filed Sept. 10, 1949, Serial No. 584,691. Published Sept. 11, 1951. Class 23.

551,539. Sewing Machines—Namely, Electric Sewing Machines of the Portable and Stationary Type. Dave Fischbein Co., Minneapolis, Minn.
Filed Sept. 14, 1949, Serial No. 584,806. Published July 31, 1951. Class 23.

551,540. Acoustical, Sound Absorbing, and Sound Quieting Materials. Whipple Bros., Inc., Laceyville, Pa.
Filed Sept. 19, 1949, Serial No. 585,036. Published July 17, 1951. Class 12.

551,541. Pets' Sleeping Mat. Josephine Douglass, Okmulgee, Okla.
Filed Oct. 14, 1949, Serial No. 585,110. Published Aug. 28, 1951. Class 3.

551,542. Hand Operated Compression Sprayers Used To Atomize Fly Oils, Soluble Insecticides, Fungicides, Weed Killers; Also Used To Spray Deodorants, Perfume Sprays, and any Light to Heavy Sediment-Free Liquids. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Sept. 27, 1949, Serial No. 585,379. Published Sept. 4, 1951. Class 23.

551,543. Machine for Massaging Feet—Namely, a Frame With a Support for a Foot and Mechanism by Which a Soft Ball Can Be Rolled Along the Bottom of the Foot Thus Supported. Harold J. Dorrance, doing business as Vita-Foot Massager Co., Centerville, Mass.
Filed Sept. 29, 1949, Serial No. 585,517. Published Sept. 4, 1951. Class 44.

551,544. Industrial Hose Couplings and Fittings. Anchor Coupling Company, Inc., Libertyville, Ill.
Filed Sept. 30, 1949, Serial No. 585,557. Published Sept. 11, 1951. Class 13.

551,545. Racks for Mounting Onto a Wall, Door or Other Support for Clothes, Etc. Berkeley Industries, Jersey City, N. J.
Filed Oct. 7, 1949, Serial No. 585,911. Published Sept. 11, 1951. Class 13.

551,546. Textile Fabrics in the Piece of Wool, Cotton, Rayon, Protein Fibres, and Mixtures Thereof. Union Trading Company Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,374. Published Sept. 11, 1951. Class 42.

551,547. Textile Fabrics in the Piece, of Wool, Cotton, Rayon, Protein Fibres, and Mixtures Thereof. Union Trading Company Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,381. Published Sept. 11, 1951. Class 42.

551,548. Pharmaceutical Preparation Providing a High Protein, Low Fat Formula for Infants, With Added Vitamin D, in Fluid Form. Mead Johnson & Company, Evansville, Ind.
Filed Oct. 17, 1949, Serial No. 586,419. Published Aug. 7, 1951. Class 18.

551,549. Electric Terminals. Illinois Tool Works, Chicago, Ill.
Filed Oct. 18, 1949, Serial No. 586,487. Published Sept. 11, 1951. Class 21.

551,550. Bedspreads, Blankets, Comforters, Quilts, Sheets, Pillowcases, Quilted Mattress Protectors, Towels, Toweling, Wash Cloths, Etc. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,745. Published Sept. 11, 1951. Class 42.

551,551. Finger Rings, Bracelets, Ornamental Pins, Brooches, Necklaces, Anklets, Earrings, Pendants, and Clasps. J. Braunstein, Inc., Philadelphia, Pa.
Filed Oct. 25, 1949, Serial No. 586,788. Published Aug. 14, 1951. Class 28.

551,552. Ceramic Corn Dish. Jean Rosendahl, Flag Point, Toms River, N. J.
Filed Oct. 25, 1949, Serial No. 586,820. Published Aug. 7, 1951. Class 30.

551,553. Dentifrice. The Andrew Jergens Company, Cincinnati, Ohio.
Filed Oct. 26, 1949, Serial No. 586,862. Published Aug. 7, 1951. Class 51.

551,554. Men's Clothing—Namely, Overcoats, Topcoats, and Suits. Eagle Clothes, Inc., New York, N. Y.
Filed Sept. 19, 1949, Serial No. 587,147. Published Aug. 28, 1951. Class 39.

551,555. Washing and Cleaning Compound Particularly Adapted for Use in the Railroad Industry, But Not Limited Thereto. Wyandotte Chemicals Corporation, Wyandotte, Mich.
Filed Nov. 5, 1949, Serial No. 587,415. Published Aug. 14, 1951. Class 52.

551,556. Chemicals—Namely, Coke, Pitch, Pyridine Still Residues, and Tar. Pittsburgh Coke & Chemical Company, Pittsburgh, Pa.
Filed Nov. 8, 1949, Serial No. 587,502. Published Sept. 4, 1951. Class 1.

551,557. Mechanically Grooved Phonograph Records. 4 Star Record Company, Inc., Pasadena, Calif.
Filed Nov. 14, 1949, Serial No. 587,721. Published Sept. 18, 1951. Class 36.

551,558. Dyeing Compositions. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,927. Published Sept. 11, 1951. Class 6.

551,559. Cotton Seed Meal for Use as Feed for Cattle. Delta Products Company, Wilson, Ark.
Filed Nov. 17, 1949, Serial No. 587,940. Published Aug. 28, 1951. Class 46.

551,560. Dog Food. Dixie Mills Company, East St. Louis, Ill.
Filed Nov. 18, 1949, Serial No. 588,010. Published Aug. 28, 1951. Class 46.

551,561. Fabrics Woven of Plastic Coated Yarn Especially for Making Into Automobile Seat Covers. E. W. Twitchell Incorporated, Philadelphia, Pa.
Filed Nov. 18, 1949, Serial No. 588,054. Published Sept. 11, 1951. Class 42.

551,562. Pipe, Tubing, and Fittings, Such as T's, Elbows, and Couplings, Made of a Laminated Construction Glass Fiber Cloth or Mat and a Plastic Resin. United States Plywood Corporation, New York, N. Y.
Filed Nov. 18, 1949, Serial No. 588,056. Published Sept. 18, 1951. Class 13.

551,563. Automobile Accessories and Parts—Namely, Carburetor Jets and Attachments. Future Enterprises, Inc., Grand Forks, N. Dak.
Filed Nov. 21, 1949, Serial No. 588,133. Published Aug. 21, 1951. Class 23.

551,564. Shaped Ceramic Ferromagnetic Materials for Use in Coils, Transformers, Etc. General Ceramics and Steatite Corporation, Keasbey, N. J.
Filed Nov. 25, 1949, Serial No. 588,295. Published Sept. 11, 1951. Class 21.

551,565. Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal Together, and Also for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal Onto Wood. Markwell Manufacturing Company, Inc., New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,309. Published July 24, 1951. Class 23.

551,566. Color-Coated Rigid Fiber Insulation Board. Wood Conversion Company, St. Paul, Minn.
Filed Nov. 25, 1949, Serial No. 588,346. Published Aug. 28, 1951. Class 12.

551,567. Piece Goods Composed of Wool, Worsted, or Hair. J. & J. Crombie Limited, Woodside, Aberdeen, Scotland.
Filed Dec. 3, 1949, Serial No. 588,746. Published Sept. 11, 1951. Class 42.

551,568. Field Glasses. Hadco Engineering Co., Chicago, Ill.
Filed Dec. 13, 1949, Serial No. 589,257. Published Aug. 14, 1951. Class 26.

551,569. Bar Tender's Accessory Comprising a Combination Bottle Opener, Ice or Nut Cracker, Jigger, Ice Pick, Muddler, and Cork Screw. Samuel L. Gerson, doing business as The Delsam Company, Vineland, N. J.
Filed Dec. 14, 1949, Serial No. 589,310. Published July 31, 1951. Class 23.

551,570. Candy. Griggs, Cooper & Company, St. Paul, Minn.
Filed Dec. 16, 1949, Serial No. 589,443. Published Aug. 28, 1951. Class 46.

551,571. Flocked Textile Fabrics of Cotton and/or Rayon. B. B. Chemical Co., Boston, Mass.
Filed Dec. 17, 1949, Serial No. 589,497. Published Sept. 11, 1951. Class 42.

551,572. Automobile Body Polish. Karseal Corporation, Los Angeles, Calif.
Filed Dec. 17, 1949, Serial No. 589,514. Published Sept. 11, 1951. Class 4.

551,573. Coal. Logan Fuel Company, Incorporated, Cincinnati, Ohio.
Filed Dec. 21, 1949, Serial No. 589,731. Published Aug. 28, 1951. Class 1.

551,574. Electrical Musical Instruments—Namely, Electric Organs and Electronic Melody Instruments. Hammond Instrument Company, Chicago, Ill.
Filed Dec. 30, 1949, Serial No. 590,155. Published Sept. 18, 1951. Class 36.

551,575. Dental Display Units Consisting of Dentures and Explanatory Literature Imbedded in Transparent Blocks. Andre W. Richard, New York, N. Y.
Filed Dec. 31, 1949, Serial No. 590,341. Published Aug. 14, 1951. Class 44.

551,576. Thermal Insulation. Johns-Manville Corporation, New York, N. Y.
Filed Jan. 6, 1950, Serial No. 590,443. Published July 24, 1951. Class 12.

551,577. Chemical Compounds and Mixtures Used as Rancidity Inhibitors, Anti-Oxidants, and as Intermediates in the Manufacture of Plasticizers and Synthetic Lubricating Oils. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Jan. 7, 1950, Serial No. 590,497. Published Jan. 16, 1951. Class 6.

551,578. Lumber, Railroad Ties, Wooden Piles, and Telephone, Telegraph, and Power Transmission Poles. Taylor-Colquitt Co., Spartanburg, S. C.
Filed Jan. 7, 1950, Serial No. 590,532. Published Aug.

551,580. Resins and Resin Solutions for Use as Ingredients in the Manufacture of Industrial Type Paints. Devoe & Raynolds Company, Inc., New York, N. Y.
Filed Jan. 11, 1950, Serial No. 590,655. Published Sept. 4, 1951. Class 16.
14, 1951. Class 12.

551,579. Perfumes. Irene F. Craft, Ridgewood, N. J.
Filed Jan. 11, 1950, Serial No. 590,648. Published Aug. 14, 1951. Class 51.

551,581. Hand Operated Rotary Pumps for Gasoline, Oil, or Other Liquid. William M. Wilson's Sons, Inc., Lansdale, Pa.
Filed Jan. 11, 1950, Serial No. 590,724. Published July 31, 1951. Class 23.

551,582. Preparation in Liquid Form for Cleaning Burrs, Drills, Mounted Stones, and Diamond Points Used by Dentists. Oliver S. Cumback, doing business as Stewart Company, Hinsdale, Ill.
Filed Jan. 13, 1950, Serial No. 590,808. Published Sept. 4, 1951. Class 52.

551,583. Electric Storage Batteries. Yardney Electric Corp., New York, N. Y.
Filed Jan. 16, 1950, Serial No. 590,964. Published Sept. 11, 1951. Class 21.

551,584. Synthetic Detergents Composed Largely of Dispersing and Surface Active Agents for Use as Detergents, Thickening Aids, Wetting and Dispersing Agents, Grinding Aids, Plastisol Dispersants, High Polymer Modifiers, Softeners, and Foaming Agents. Ferro Chemical Corporation, Bedford, Ohio.
Filed Jan. 19, 1950, Serial No. 591,077. Published Sept. 11, 1951. Class 52.

551,585. Detergent for Employment With Liquid Organic Solvents, Particularly for Use in Dry Cleaning. Alrose Chemical Company, Cranston and Providence, R. I.
Filed Jan. 20, 1950, Serial No. 591,137. Published Sept. 4, 1951. Class 52.

551,586. Pharmaceutical Preparation Used in the Treatment of Ulcers. Harris Laboratories, Inc., Glen Cove, N. Y.
Filed Jan. 25, 1950, Serial No. 591,420. Published Jan. 9, 1951. Class 18.

551,587. Upholstery and Drapery Fabrics Made From One or More of the Following: Cotton, Wool, Linen, Silk, Chenille, and Synthetic Fibers. Wycombe, Meyer, Company, New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,758. Published Sept. 11, 1951. Class 42.

551,588. Geiger Counting Instruments Adapted To Locate Radioactive Minerals. Service Diamond Tool Company, Ferndale, Mich.
Filed Feb. 1, 1950, Serial No. 591,800. Published Aug. 7, 1951. Class 26.

551,589. Electrically Operated Floor Scrubbing and Polishing Machines. Hillyard Chemical Company, St. Joseph, Mo.
Filed Feb. 3, 1950, Serial No. 591,927. Published Sept. 11, 1951. Class 21.

551,590. Electrically Operated Floor Surface Treating Machines. Hillyard Chemical Company, St. Joseph, Mo.
Filed Feb. 3, 1950, Serial No. 591,928. Published Sept. 11, 1951. Class 21.

551,591. Building Tile Used for Interiors and Exteriors. Cerametal Corporation, Paramount, Calif., assignor, by mesne assignments, to Ceratile Corporation, Paramount, Calif., a corporation of California.
Filed Feb. 13, 1950, Serial No. 592,358. Published July 31, 1951. Class 12.

551,592. Adhesive Markers, Made of Paper, Cloth, or Synthetic Materials Used for Circuit Designation in Electrical Equipment. Western Lithograph Company, Los Angeles, Calif.
Filed Feb. 20, 1950, Serial No. 592,792. Published Aug. 21, 1951. Class 5.

551,593. Medicinal Preparations Containing Vitamin B_{12} Used in the Treatment of Anemia. Organon Inc., Orange, N. J.
Filed Feb. 23, 1950, Serial No. 592,928. Published Jan. 9, 1951. Class 18.

551,594. Threshold Strips. Vonnegut Hardware Company, Indianapolis, Ind.
Filed Feb. 23, 1950, Serial No. 592,956. Published Aug. 28, 1951. Class 12.

551,595. Flashing Material Composed of Lightweight Copper Sheeting Covered on Both Sides With an Asphalt-Saturated Fabric. Wasco Flashing Co., Cambridge, Mass.
Filed Feb. 27, 1950, Serial No. 593,150. Published Aug. 14, 1951. Class 12.

551,596. Coal and Washed Coal. Norton Coal Corporation, Nortonville, Ky.
Filed Mar. 3, 1950, Serial No. 593,362. Published Sept. 4, 1951. Class 1.

551,597. Cheese. Steve's Cheese Co., Denmark, Wis.
Filed Mar. 6, 1950, Serial No. 593,506. Published Aug. 21, 1951. Class 46.

551,598. Costume Jewelry—Namely, Necklaces, Bracelets, Finger Rings, and Pendants. The Richelieu Corporation, New York, N. Y.
Filed Mar. 11, 1950, Serial No. 593,832. Published Aug. 7, 1951. Class 28.

551,599. Elastic Tape in the Nature of Findings, Hook and Eye Tapes, Padding for Corsets and Brassières To Prevent Skin Irritation, and Corset Lacings. Salm & Israel, New York, N. Y.
Filed Mar. 11, 1950, Serial No. 593,834. Published Aug. 21, 1951. Class 40.

551,600. Combined Valve and Pressure Gage for Controlling the Flow and Measuring the Pressure of a Gas for Welding and Cutting Apparatus. Oxo Welding Equipment Company, Chicago, Ill.
Filed Mar. 13, 1950, Serial No. 593,882. Published July 24, 1951. Class 26.

551,601. Anesthetic and Antiseptic Ear Drops Containing Benzocaine, Oxyquinoline Benzoate, and Glycerin. Americaine, Inc., Evanston, Ill.
Filed Mar. 18, 1950, Serial No. 594,188. Published July 31, 1951. Class 18.

551,602. Shoulder Pads. Trio Novelty Mfg. Corp., New York, N. Y.
Filed Mar. 18, 1950, Serial No. 594,237. Published Aug. 21, 1951. Class 40.

551,603. Natural, Synthetic, and Imitation Food Flavors. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 20, 1950, Serial No. 594,259. Published Aug. 7, 1951. Class 46.

551,604. Smoking Tobacco. Larus & Brother Company, Richmond, Va.
Filed Mar. 20, 1950, Serial No. 594,270. Published Sept. 25, 1951. Class 17.

551,605. Drinking Glasses. McFall-Brodie Company, Glendale, Calif.
Filed Mar. 20, 1950, Serial No. 594,273. Published Aug. 7, 1951. Class 33.

551,606. Nasal Catheters, Stomach Tubes, Rectal Tubes, Rubber Tubing for Surgical Use, Etc. Baxter Laboratories, Inc., Morton Grove, Ill.
Filed Mar. 22, 1950, Serial No. 594,352. Published Sept. 4, 1951. Class 44.

551,607. Food Sauce, the Principal Ingredients of Which Are Tomato Puree and Mushrooms. Vincent Losito & Sons, New Garden, Pa.
Filed Mar. 23, 1950, Serial No. 594,480. Published Aug. 21, 1951. Class 46.

551,608. Smooth Semi-Gloss Flat Paint and Enamel Finish for Walls, Woodwork, and All Interior Use. F. O. Pierce Company, Long Island City, N. Y.
Filed Mar. 24, 1950, Serial No. 594,577. Published Sept. 18, 1951. Class 16.

551,609. Chemical Compositions — Namely, Compounds and Preparations Used in the Manufacture of Dry and Liquid Seasonings for Flavoring Food Products. Dodge & Olcott, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,633. Published Aug. 28, 1951. Class 46.

551,610. Soda Ash, Caustic Soda, Liquid or Solid, and Modified Forms of Each of Varying Alkali Content, Etc. Diamond Alkali Company, Cleveland, Ohio.
Filed Mar. 27, 1950, Serial No. 594,698. Published Sept. 4, 1951. Class 6.

551,611. Electrical Heating Pads for Medical Use. Electronic Medical Foundation, San Francisco, Calif.
Filed Mar. 27, 1950, Serial No. 594,700. Published Sept. 4, 1951. Class 44.

551,612. Enamel-Coated Hardboard Wall Panels. Colotyle Tyle-Bord, Inc., Seattle, Wash.
Filed Mar. 28, 1950, Serial No. 594,759. Published July 17, 1951. Class 12.

551,613. Synthetic Resin Adhesives. H. H. Robertson Company, Pittsburgh, Pa.
Filed Mar. 29, 1950, Serial No. 594,859. Published Sept. 4, 1951. Class 5.

551,614. Pianos. Estey Piano Corp., Bluffton, Ind.
Filed Mar. 31, 1950, Serial No. 594,959. Published Sept. 18, 1951. Class 36.

551,615. Pianos, Trumpets, Saxophones, Clarinets, Cornets, Trombones, and Piano Accordions. The Rudolph Wurlitzer Company, Chicago, Ill.
Filed Apr. 7, 1950, Serial No. 595,434. Published Sept. 18, 1951. Class 36.

551,616. Jewelry for Personal Wear, Not Including Watches—Namely, Chatelaines, Ornamental Pins, Earrings, Brooches, Bracelets (Other Than Watch Bracelets), and Necklaces. Phyllis Originals, Inc., Providence, R. I.
Filed Apr. 11, 1950, Serial No. 595,556. Published Aug. 14, 1951. Class 28.

551,617. Mufflers for Use With Internal Combustion Engines and Extensions for Exhaust Tail Pipes. Goerlich's, Toledo, Ohio.
Filed Apr. 20, 1950, Serial No. 596,023. Published Aug. 21, 1951. Class 23.

551,618. Electrical Record Players, Television Receiving Sets, Radio Receiving Sets, and Any Combination of the Foregoing. Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo.
Filed Apr. 21, 1950, Serial No. 596,124. Published Sept. 11, 1951. Class 21.

551,619. Grass Seed. Garfield Williamson Inc., Jersey City, N. J.
Filed Apr. 22, 1950, Serial No. 596,211. Published Sept. 4, 1951. Class 1.

551,620. Corsets, Girdles, Brassières, and Foundation Garments. Dominion Corset Company, Limited, Quebec, Quebec, Canada.
Filed Apr. 5, 1950, Serial No. 596,374. Published Sept. 11, 1951. Class 39.

551,621. Canned Vegetables—Namely, Carrots. Parkview Markets, Inc., Cincinnati, Ohio.
Filed Apr. 5, 1950, Serial No. 596,375. Published Sept. 4, 1951. Class 46.

551,622. Oil Well Cement. The Cement Marketing Company, Limited, London and Westminster, London, England.
Filed Apr. 27, 1950, Serial No. 596,391. Published Aug. 14, 1951. Class 12.

551,623. Rust Inhibitor Fluid for Preventing Formation of Rust in the Cooling System of Internal Combustion Systems, Etc. Caterpillar Tractor Co., Peoria, Ill.
Filed May 3, 1950, Serial No. 596,777. Published Sept. 4, 1951. Class 6.

551,624. Cardiographs. Beck-Lee Corporation, Chicago, Ill.
Filed May 4, 1950, Serial No. 596,826. Published Aug. 28, 1951. Class 44.

551,625. Medicinal Preparation Containing Vitamins for the Treatment of Hemopoietic and Nutritional Disorders. The Upjohn Company, Kalamazoo, Mich.
Filed May 9, 1950, Serial No. 597,182. Published Mar. 27, 1951. Class 18.

551,626. Cameras, Film Projecting and Viewing Apparatus, and Apparatus for Cutting Frames of Micro-Film From a Strip Thereof and Inserting Said Frames in Apertures in Cards. Film 'N File, Inc., New York, N. Y.
Filed May 11, 1950, Serial No. 597,259. Published Aug. 14, 1951. Class 26.

551,627. Paint Brushes. Hanlon & Goodman Co., Belleville, N. J.
Filed May 11, 1950, Serial No. 597,273. Published Sept. 4, 1951. Class 29.

551,628. Lipstick. Lucky Strike Perfumeries Corporation, New York, N. Y.
Filed May 15, 1950, Serial No. 597,448. Published July 31, 1951. Class 51.

551,629. Rouge, Face Cream, Hair Lotion, Hand Cream, Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder. Eugène Schueller, Paris, France.
Filed May 11, 1950, Serial No. 597,933. Published Aug. 28, 1951. Class 51.

551,630. Hosiery Setting Machines. Paramount Textile Machinery Co., Chicago, Ill.
Filed May 26, 1950, Serial No. 598,202. Published Sept. 4, 1951. Class 23.

551,631. Cotton, Cotton Pads, and Gauze Pads for Use in the Application of Cosmetics to and Removal of Cosmetics From the Skin. Acme Cotton Products Co., Inc., New York, N. Y.
Filed May 27, 1950, Serial No. 598,232. Published Sept. 4, 1951. Class 29.

551,632. Power Operated Liquid Pumps. The Piqua Machine & Manufacturing Company, Piqua, Ohio.
Filed May 29, 1950, Serial No. 598,321. Published Aug. 28, 1951. Class 23.

551,633. Disinfectant and Exterminator. Marion McBride Taylor, doing business as McBride's, Methuen, Mass.
Filed May 31, 1950, Serial No. 598,394. Published Sept. 11, 1951. Class 6.

551,634. Electrical Lamps and Lamp Shades. Philip J. Greenspan, Inc., New York, N. Y.
Filed June 1, 1950, Serial No. 598,417. Published Sept. 11, 1951. Class 21.

551,635. Electric Lamps. Morgan E. Cartier, doing business as Burglamp Electric Manufacturing Co., Grand Rapids, Mich.
Filed June 5, 1950, Serial No. 598,574. Published Sept. 11, 1951. Class 21.

551,636. Electric Lamps. Morgan E. Cartier, doing business as Burglamp Electric Manufacturing Co., Grand Rapids, Mich.
Filed June 5, 1950, Serial No. 598,575. Published Sept. 11, 1951. Class 21.

551,637. Propulsion Systems and Apparatus for Land, Air, and Water Vehicles—Namely, Change-Speed Gears, Gear Hubs, Jet Propelling Motors, Industrial Blowers and Compressors (Non-Electric); Etc. Scintilla Ltd., Soleure, Switzerland.
Filed June 7, 1950, Serial No. 598,754. Published Sept. 4, 1951. Class 23.

551,638. Boning or Stays for Brassières, Corsets, and Outer Garments. Anchor Plastics Company, Inc., New York, N. Y.
Filed June 9, 1950, Serial No. 598,824. Published July 17, 1951. Class 40.

551,639. Cigars. The Federal Cigar Company, Inc., Red Lion, Pa.
Filed June 9, 1950, Serial No. 598,847. Published Aug. 28, 1951. Class 17.

551,640. Electrical Sadirons. The Winsted Hardware Manufacturing Company, Winsted, Conn.
Filed June 13, 1950, Serial No. 599,044. Published Sept. 11, 1951. Class 21.

551,641. Water Color Brushes. Binney & Smith Company, New York, N. Y.
Filed June 15, 1950, Serial No. 599,150. Published Sept. 4, 1951. Class 29.

551,642. Hand Cream Make-Up. Lady Esther, Ltd., Chicago, Ill.
Filed June 15, 1950, Serial No. 599,181. Published Aug. 28, 1951. Class 51.

551,643. Flash Gun Bracket for Cameras. Nordic Manufacturing Company, Minneapolis, Minn.
Filed June 15, 1950, Serial No. 599,188. Published Aug. 14, 1951. Class 26.

551,644. Poultry Scratch Feeds Comprised of Wheat, Milo, and Cracked Corn. Carnation Company, Los Angeles, Calif.
Filed June 19, 1950, Serial No. 599,367. Published Aug. 28, 1951. Class 46.

551,645. Gauges for Indicating Gas Pressure Differentials. F. W. Dwyer Mfg. Co., Chicago, Ill.
Filed June 20, 1950, Serial No. 599,424. Published Aug. 14, 1951. Class 26.

551,646. Metallic Embroidered Insertions, Edgings, and Medallions, and Emblems Not Made of Precious Metal. Hertz & Company, Inc., New York, N. Y.
Filed June 20, 1950, Serial No. 599,432. Published July 17, 1951. Class 40.

551,647. Liquid Cream Lotion for Prevention of Sunburn. Samuel Mitchell, East Cleveland, Ohio.
Filed June 20, 1950, Serial No. 599,446. Published July 31, 1951. Class 51.

551,648. Flat Varnish Brushes, Flat Sash Trim Brushes, Oval Sash Tool Brushes, Enamel Brushes, Wall Brushes, Flatting Wall Brushes, Kalsomine Brushes, Oval Varnish Brushes, and Stucco Paint Brushes. Whiting-Adams Company, Inc., Boston, Mass.
Filed June 21, 1950, Serial No. 599,542. Published Sept. 4, 1951. Class 29.

551,649. Toilet Brushes, Tooth Brushes, and Other Personal Brushes. Johnson & Johnson, New Brunswick, N. J.
Filed June 22, 1950, Serial No. 599,569. Published Sept. 4, 1951. Class 29.

551,650. Fresh Citrus Fruits. Frances Citrus Association, Santa Ana, Calif.
Filed June 26, 1950, Serial No. 599,756. Published Aug. 14, 1951. Class 46.

551,651. Vegetable Shortening. Oscar Mayer & Co., Inc., Chicago, Ill.
Filed June 28, 1950, Serial No. 599,891. Published Sept. 18, 1951. Class 46.

551,652. Non-Electrical Hair Curlers. Margaret F. Currie, doing business under the name Classy Curler Company, Manhasset, N. Y.
Filed July 1, 1950, Serial No. 600,122. Published July 24, 1951. Class 40.

551,653. Construction Materials—Namely, Sawn Lumber, Veneer, and Plywood. Caobas Mexicanas, S. A., Mexico City, Mexico.
Filed July 3, 1950, Serial No. 600,162. Published July 17, 1951. Class 12.

551,654. Ladies' Hosiery. Knit Products Sales Company, Belmont, N. C.
Filed July 3, 1950, Serial No. 600,172. Published Sept. 4, 1951. Class 39.

551,655. Synthetic and Artificial Stone, Whether Poured or Preformed, for Facing and Surfacing of All Types of Construction. A. Minutoli, doing business as Travertite Company, San Francisco, Calif.
Filed July 8, 1950, Serial No. 600,388. Published Aug. 28, 1951. Class 12.

551,656. Valves Used in Hydraulic Control Systems—Namely, Spool-Type Distributing Valves, Pressure Relief Valves, Check Valves, Unloading Valves, Combination Pressure Relief and Check Valves, Surge Valves, and Choke Valves. The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio.
Filed July 10, 1950, Serial No. 600,437. Published Sept. 18, 1951. Class 13.

551,657. Electric Sound Reproducing Apparatus Employing an Electromagnetic Record Medium, Etc. Lear, Incorporated, Grand Rapids, Mich.
Filed July 10, 1950, Serial No. 600,439. Published Aug. 28, 1951. Class 21.

551,658. Dog Food and Cat Food. Willard H. Smith, doing business as The Deep Run Packing Company, Dublin, Pa.
Filed July 13, 1950, Serial No. 600,624. Published Aug. 28, 1951. Class 46.

551,659. Nails. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed July 17, 1950, Serial No. 600,752. Published Sept. 18, 1951. Class 13.

551,660. Soap in the Form of a Paste. Joseph A. Haddad, doing business as Dewike Laboratory, Toledo, Ohio.
Filed July 18, 1950, Serial No. 600,828. Published Aug. 14, 1951. Class 52.

551,661. Friction Tape for Electrical, Automotive, and General Uses. Van Cleef Bros., Inc., Chicago, Ill.
Filed July 20, 1950, Serial No. 600,998. Published Sept. 11, 1951. Class 21.

551,662. Insecticidal Dust Concentrate. S. B. Penick & Company, New York, N. Y.
Filed July 28, 1950, Serial No. 601,372. Published Sept. 11, 1951. Class 6.

551,663. Plasticizers. Godfrey L. Cabot, Inc., Boston, Mass.
Filed July 29, 1950, Serial No. 601,424. Published Sept. 4, 1951. Class 6.

551,664. Water Softening, Detergent, Deodorizing, and Sanitizing Compound Adapted for Use in Laundering Baby Clothes as for Example Diapers and Panties. Diaperwite, Inc., New York, N. Y.
Filed July 25, 1950, Serial No. 601,523. Published Aug. 21, 1951. Class 52.

551,665. Men's and Boys' Suits, Coats, Pants, Trousers, and Vests. Haspel Brothers, Inc., New Orleans, La.
Filed Aug. 1, 1950, Serial No. 601,545. Published Sept. 4, 1951. Class 39.

551,666. Veneer—Namely, Split Faced Ashlar. Joe Solomito, doing business under the trade name of Solomito Stone Company, Bloomington, Ind.
Filed Aug. 3, 1950, Serial No. 601,696. Published Aug. 28, 1951. Class 12.

551,667. Natural Flowers. National Florists' Telegraph Delivery Service, Los Angeles, Calif.
Filed Aug. 4, 1950, Serial No. 601,745. Published Aug. 7, 1951. Class 1.

551,668. Insecticides. Thompson Horticultural Chemicals Corporation, Los Angeles, Calif.
Filed Aug. 8, 1950, Serial No. 601,962. Published Sept. 4, 1951. Class 6.

551,669. Gasoline-Driven Engine-Generator Set Designed To Produce Electric Power for Arc Welding. D. W. Onan & Sons, Inc., Minneapolis, Minn.
Filed Aug. 14, 1950, Serial No. 602,161. Published Aug. 14, 1951. Class 21.

551,670. Plastic Filters or Sunshade Filters for Covering Windows, Windshields, and the Like. Filterzone Auto-Vision Co., Brooklyn, N. Y.
Filed Aug. 18, 1950, Serial No. 602,389. Published July 31, 1951. Class 26.

551,671. Plastic Filters or Sunshade Filters for Covering Windows, Windshields, and the Like. Filterzone Auto-Vision Co., Brooklyn, N. Y.
Filed Aug. 18, 1950, Serial No. 602,390. Published July 31, 1951. Class 26.

551,672. Plastic Filters or Sunshade Filters for Covering Windows, Windshields, and the Like. Filterzone Auto-Vision Co., Brooklyn, N. Y.
Filed Aug. 18, 1950, Serial No. 602,391. Published July 31, 1951. Class 26.

551,673. Lingerie Ribbon Retainers Comprising Metal or Plastic Devices To Be Sewn Into a Garment at the Shoulder Seam, or to the Shoulder Pad To Keep Shoulder Straps in Place. Alice L. B. Powers, Larchmont, N. Y.
Filed Aug. 18, 1950, Serial No. 602,420. Published July 17, 1951. Class 40.

551,674. Spectacles, Lenses, and Frames. Medical Center Opticians, Washington, D. C.
Filed Aug. 21, 1950, Serial No. 602,514. Published Aug. 14, 1951. Class 26.

551,675. Storm Windows and Doors. Weather-Wise Windows, Incorporated, Alliance, Ohio.
Filed Aug. 23, 1950, Serial No. 602,656. Published July 17, 1951. Class 12.

551,676. Edible Oils of Vegetable Origin. The W. B. Cassell Company, Baltimore, Md.
Filed Aug. 25, 1950, Serial No. 602,746. Published July 24, 1951. Class 46.

551,677. Cellulose Fiber Synthetic Panels for a Variety of Associated and Non-Associated Uses. Kimberly-Clark Corporation, Neenah, Wis.
Filed Aug. 26, 1950, Serial No. 602,809. Published July 17, 1951. Class 12.

551,678. Dental Plate Blanks. The L. D. Caulk Company, Milford, Del.
Filed Aug. 28, 1950, Serial No. 602,823. Published Sept. 11, 1951. Class 44.

551,679. Acrylic Resin Denture Material. The L. D. Caulk Company, Milford, Del.
Filed Aug. 28, 1950, Serial No. 602,824. Published Sept. 11, 1951. Class 44.

551,680. Wood Shingles. St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Filed Aug. 28, 1950, Serial No. 602,858. Published July 17, 1951. Class 12.

551,681. Expansion Joints for Steam Lines. American District Steam Company, Inc., North Tonawanda, N. Y.
Filed Aug. 29, 1950, Serial No. 602,877. Published Sept. 11, 1951. Class 13.

551,682. Expansion Joints and Radiator Valves. American District Steam Company, Inc., North Tonawanda, N. Y.
Filed Aug. 29, 1950, Serial No. 602,878. Published Sept. 11, 1951. Class 13.

551,683. Thermal-Responsive Switches for Temperature Control and Detection of Temperature for Use in Conjunction With Electrical Circuits and Thermal Systems. Fenwal Incorporated, Ashland, Mass.
Filed Aug. 30, 1950, Serial No. 602,937. Published Aug. 14, 1951. Class 26.

551,684. Candy. Barricini, Inc., New York and Long Island City, N. Y.
Filed Aug. 10, 1950, Serial No. 603,331. Published Aug. 7, 1951. Class 46.

551,685. Clip Type Metal Fasteners. Gagnier Fibre Products Company, Detroit, Mich.
Filed Sept. 18, 1950, Serial No. 603,677. Published Sept. 18, 1951. Class 13.

551,686. Cigars. Gradiaz, Annis & Co., Inc., Tampa, Fla.
Filed Sept. 18, 1950, Serial No. 603,680. Published Aug. 28, 1951. Class 17.

551,687. Coal. Island Creek Coal Sales Company, Huntington, W. Va.
Filed Sept. 18, 1950, Serial No. 603,685. Published Aug. 28, 1951. Class 1.

551,688. Instrument Which Is a Sound Spectrograph Which Produces Permanent Visual Records Showing Distribution of Energy vs. Both Frequency and Time. Kay Electric Company, Pine Brook, N. J.
Filed Sept. 18, 1950, Serial No. 603,689. Published Aug. 14, 1951. Class 26.

551,689. Canned Vegetables. The Mississippi Valley Canning Co., Osceola, Ark.
Filed Sept. 18, 1950, Serial No. 603,696. Published Aug. 28, 1951. Class 46.

551,690. Dye-Stuff for Lubricating Oil. Griffin Chemical Company, San Francisco, Calif.
Filed Sept. 19, 1950, Serial No. 603,736. Published July 31, 1951. Class 15.

551,691. Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Vegetables, Fresh Cantaloupes, and Fresh Watermelons. Palm Terrace Fruit Company, Mount Dora, Fla.
Filed Sept. 19, 1950, Serial No. 603,745. Published Aug. 28, 1951. Class 46.

551,692. Finished Leather. Allied Kid Company, Boston, Mass.
Filed Sept. 20, 1950, Serial No. 603,757. Published Aug. 7, 1951. Class 1.

551,693. Clocks. S. A. Reider & Co., New York, N. Y.
Filed Sept. 20, 1950, Serial No. 603,813. Published Aug. 7, 1951. Class 27.

551,694. Flexible Tubing. The Flexible Tubing Corporation, Branford, Conn.
Filed Sept. 21, 1950, Serial No. 603,842. Published Aug. 21, 1951. Class 35.

551,695. Canned Peas and Canned Peaches. Frank M. Wilson Company, Stockton, Calif.
Filed Sept. 26, 1950, Serial No. 604,055. Published Aug. 28, 1951. Class 46.

551,696. Preparation for Application as a Coating Over Applied Lipstick. Lip-Tex, Inc., Denver, Colo.
Filed Oct. 4, 1950, Serial No. 604,441. Published July 31, 1951. Class 51.

551,697. Hollowware, Wholly or in Part of Precious Metal, or Plated With Precious Metal. Manuel J. Andrade, doing business as Fifth Avenue Silver Co., Taunton, Mass.
Filed Oct. 5, 1950, Serial No. 604,468. Published Aug. 7, 1951. Class 28.

551,698. Molding Powder. Hercules Powder Company, Wilmington, Del.
Filed Oct. 5, 1950, Serial No. 604,476. Published Aug. 7, 1951. Class 1.

551,699. Shears and Scissors. Cutlery Corporation of America, Bridgeport, Conn.
Filed Oct. 6, 1950, Serial No. 604,522. Published Aug. 28, 1951. Class 23.

551,700. Lipstick and Rouge. Consolidated Cosmetics, Chicago, Ill.
Filed Oct. 9, 1950, Serial No. 604,622. Published July 31, 1951. Class 51.

551,701. Lipstick and Rouge. Consolidated Cosmetics, Chicago, Ill.
Filed Oct. 9, 1950, Serial No. 604,624. Published July 31, 1951. Class 51.

551,702. Bench Jig Saws Complete With Electric Motor. Burgess Vibrocrafters, Inc., Lake Zurich and Chicago, Ill.
Filed Oct. 10, 1950, Serial No. 604,685. Published Aug. 28, 1951. Class 23.

551,703. Dental Burs. H. D. Justi & Son, Inc., Philadelphia, Pa.
Filed Oct. 11, 1950, Serial No. 604,724. Published Aug. 7, 1951. Class 44.

551,704. Hand-Rolled Plaster of Paris Bandages. The Karmac Company, Dallas, Tex.
Filed Oct. 12, 1950, Serial No. 604,785. Published Aug. 28, 1951. Class 44.

551,705. Water Softening and Water Conditioning Chemicals for Industrial, Laundry, Wet Cleaning, and Home Use. Calgon, Incorporated, Pittsburgh, Pa.
Filed Oct. 14, 1950, Serial No. 604,902. Published Sept. 18, 1951. Class 6.

551,706. Electric Motors, Electric Generators, Circuit Breakers, Relays, Contactors, Electric Switches, Transformers, Electrical Insulating Liquid, Etc. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed Oct. 16, 1950, Serial No. 604,947. Published Sept. 11, 1951. Class 21.

551,707. Candy. The House of Bauer, doing business as Bauer's, Lincoln, Nebr.
Filed Oct. 16, 1950, Serial No. 604,969. Published Aug. 28, 1951. Class 46.

551,708. Homogenized, Concentrated, Skimmed Milk With Vitamins A and D Added. The Isaly Dairy Company, Youngstown, Ohio.
Filed Oct. 16, 1950, Serial No. 604,971. Published Aug. 28, 1951. Class 46.

551,709. Coal. Fred A. Schleifer & Associates, Inc., Chicago, Ill.
Filed Oct. 17, 1950, Serial No. 605,061. Published Aug. 7, 1951. Class 1.

551,710. Hose of Rubber or Rubber and Fabric Having Integral Coupling Flanges. United States Rubber Company, New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,080. Published Sept. 4, 1951. Class 35.

551,711. Bull Semen for Use in Artificial Semination of Cows. Lester T. Sawyer, doing business under the name and style of HyCrest Farms, Sterling, Mass.
Filed Oct. 19, 1950, Serial No. 605,177. Published Aug. 7, 1951. Class 1.

551,712. Shoe Shining Kits. Garvin Dennis Shallenberger, Missoula, Mont.
Filed Oct. 20, 1950, Serial No. 605,234. Published Sept. 4, 1951. Class 29.

551,713. Gold and Platinum Jewelry—Namely, Diamond Finger Rings. Goldstein-Gerson Co., New York, N. Y.
Filed Oct. 21, 1950, Serial No. 605,257. Published Aug. 7, 1951. Class 28.

551,714. Jewelry—Viz., Necklaces, Finger Rings, Earrings, Bracelets, Brooches, and Chokers. Illinois Watch Case Co., operating under the name of Elgin American Division of Illinois Watch Case Co., Elgin, Ill.
Filed Oct. 21, 1950, Serial No. 605,260. Published Aug. 14, 1951. Class 28.

551,715. Earrings. Marcel Boucher, New York, N. Y.
Filed Oct. 23, 1950, Serial No. 605,293. Published Aug. 7, 1951. Class 28.

551,716. Fresh Grapes. R. C. Walter & Sons, Exeter, Calif.
Filed Oct. 23, 1950, Serial No. 605,338. Published July 17, 1951. Class 46.

551,717. Cigarettes. Larus & Brother Company, Richmond, Va.
Filed Oct. 24, 1950, Serial No. 605,363. Published Sept. 4, 1951. Class 17.

551,718. Corn Starch, Lard, Pancake Mix, and Buckwheat Pancake Mix. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed Oct. 27, 1950, Serial No. 605,478. Published July 17, 1951. Class 46.

551,719. Smoking Tobacco. P. Lorillard Company, New York, N. Y.
Filed Oct. 27, 1950, Serial No. 605,487. Published Aug. 28, 1951. Class 17.

551,720. Hard Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair. American Hard Rubber Company, Hempstead and New York, N. Y.
Filed Oct. 26, 1950, Serial No. 605,505. Published July 24, 1951. Class 40.

551,721. Watches of All Kinds. Montres Credos S. A., Nidau, Switzerland.
Filed Oct. 26, 1950, Serial No. 605,522. Published Aug. 7, 1951. Class 27.

551,722. Bracelets and Watch Bracelets and Watch Straps. Gemex Company, Union, N. J.
Filed Oct. 30, 1950, Serial No. 605,580. Published Aug. 7, 1951. Class 28.

551,723. Buttons for Clothing, Storage Bags, and Other Containers. Red Star Button Co. Inc., New York, N. Y.
Filed Oct. 30, 1950, Serial No. 605,606. Published July 24, 1951. Class 40.

551,724. Buttons for Clothing, Storage Bags, and Other Containers. Red Star Button Co. Inc., New York, N. Y.
Filed Oct. 30, 1950, Serial No. 605,607. Published July 24, 1951. Class 40.

551,725. Food Flavoring Products—Namely, Syrupy Extract of Tamarinds. S. B. Penick & Company, New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,677. Published Aug. 21, 1951. Class 46.

551,726. Chemical Composition Used as an Oxidizing Agent for Bleaching and Maturing Flour. Sterwin Chemicals Inc., New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,691. Published July 31, 1951. Class 46.

551,727. Glass Jars Having Therein a Tree-Like Member on Which Food Products Such as Olives Are Supported, and Tree-Like Members for Supporting Food Products. Harold J. Barnhard, New York, N. Y., assignor to Packease-Servease Corp., New York, N. Y., a corporation of New York.
Filed Nov. 1, 1950, Serial No. 605,709. Published Aug. 28, 1951. Class 33.

551,728. Surgical Drapes for Masking Off the Skin Area of a Surgical Patient Adjacent the Surgical Incision, for Dressing Wounds, and for Kindred Uses. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Nov. 1, 1950, Serial No. 605,754. Published Aug. 7, 1951. Class 44.

551,729. Windows. Walter J. Woodhams, doing business as Woodlin Metal Products Company, Marshall, Mich.
Filed Nov. 3, 1950, Serial No. 605,885. Published Aug. 14, 1951. Class 12.

551,730. Combined Mechanical Vapor Pressure Spraying and Cleaning Machines and Water Vapor Generators. Homestead Valve Manufacturing Company, Coraopolis, Pa.
Filed Nov. 4, 1950, Serial No. 605,901. Published Aug. 28, 1951. Class 23.

551,731. Hybrid Seed Corn. Pride Hybrid Company, Minneapolis, Minn.
Filed Nov. 4, 1950, Serial No. 605,916. Published Aug. 28, 1951. Class 1.

551,732. Hearing Aid Devices—Namely, Hearing Aid Receivers Detachably Securable to the Ear of the Wearer. The Maico Company, Incorporated, Minneapolis, Minn.
Filed Nov. 6, 1950, Serial No. 605,962. Published Aug. 28, 1951. Class 44.

551,733. Dehydrated Grasses and Clover for Live Stock and Poultry. The Quaker Oats Company, Chicago, Ill.
Filed Nov. 6, 1950, Serial No. 605,970. Published July 31, 1951. Class 46.

551,734. Novelty Lapel Pins. The Harrison Company, Inc., Long Island City, N. Y.
Filed Nov. 7, 1950, Serial No. 606,016. Published July 31, 1951. Class 40.

551,735. Grass Seed in Packets. Izaak Walton League of America, Inc., Chicago, Ill.
Filed Nov. 8, 1950, Serial No. 606,094. Published Aug. 7, 1951. Class 1.

551,736. Domestic Radio Receiving Sets. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,120. Published Sept. 11, 1951. Class 21.

551,737. Dinnerware for Children Made of China and Porcelain. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,128. Published Aug. 28, 1951. Class 30.

551,738. Drinking Glasses and Glass Tumblers. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,130. Published Aug. 7, 1951. Class 33.

551,739. Tobacco Pipe Reamers. Rogers Imports Inc., New York, N. Y.
Filed Nov. 10, 1950, Serial No. 606,237. Published Sept. 11, 1951. Class 8.

551,740. Dog Food. County Canning Corp., New Bedford, Mass.
Filed Nov. 13, 1950, Serial No. 606,275. Published Aug. 14, 1951. Class 46.

551,741. Canned Fruits and Canned Vegetables. Hunt Foods, Inc., Fullerton, Calif.
Filed Nov. 13, 1950, Serial No. 606,299. Published July 24, 1951. Class 46.

551,742. Clover Seed. James H. Sims, Simsville, Ala.
Filed Nov. 13, 1950, Serial No. 606,337. Published Sept. 18, 1951. Class 1.

551,743. Dried Fruits. California Prune and Apricot Growers Association, San Jose, Calif.
Filed Nov. 14, 1950, Serial No. 606,367. Published Aug. 28, 1951. Class 46.

551,744. Infant Feeding Bottles. Nursmatic Corporation, Chicago, Ill.
Filed Nov. 14, 1950, Serial No. 606,390. Published Aug. 28, 1951. Class 44.

551,745. Tropical Plants and Shrubbery; Tropical Fish and Zoo Animals—Namely, Alligators, Flamingos, Macaws, Parakeets, Monkeys, and Marmosets. Jacob Jay Segal, doing business under the name of Tropical Hobbyland, Miami, Fla.
Filed Nov. 14, 1950, Serial No. 606,395. Published Aug. 28, 1951. Class 1.

551,746. Belt Buckles. Essex Metal Products Co., West New York, N. J.
Filed Nov. 15, 1950, Serial No. 606,422. Published Sept. 4, 1951. Class 40.

551,747. Men's and Boys' Work Shirts. Salant & Salant, Inc., New York, N. Y.
Filed Nov. 15, 1950, Serial No. 606,442. Published Sept. 11, 1951. Class 39.

551,748. Tanning Agent—Namely, Quebracho Extract Soluble in Hot Water. Sociedad Anonima Quebrachales Fusionados, Buenos Aires, Argentina.
Filed Nov. 15, 1950, Serial No. 606,443. Published Sept. 11, 1951. Class 6.

551,749. Synthetic Floss-Like Fibers for Temporary Application to the Hair Ends During Permanent Waving. H. Goodman & Sons, Inc., Jersey City, N. J., and New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,468. Published Sept. 4, 1951. Class 40.

551,750. Children's, Boys', Girls', Misses', and Women's Apparel—Namely, Overalls, Coveralls, Suits, Blouses, Blouse and Pants Combinations, Dresses; Sleeping Garments—Namely, Pajamas and Nightgowns; Playsuits and Sunsuits. Oxford Boyswear, Inc., New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,483. Published Sept. 11, 1951. Class 39.

551,751. Coal. Rogers County Coal Company, Kansas City, Mo.
Filed Nov. 16, 1950, Serial No. 606,488. Published Aug. 28, 1951. Class 1.

551,752. Automatic Air-Line Lubricators. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Nov. 18, 1950, Serial No. 606,612. Published Aug. 14, 1951. Class 23.

551,753. Vegetable Protein Food Prepared in Fillet Form, Made of Wheat Gluten and Soya Grits, and Packed in Broth Containing Vegetable Seasonings. This Product Is for Human Consumption. Worthington Foods, Inc., Worthington, Ohio.
Filed Nov. 18, 1950, Serial No. 606,645. Published Aug. 28, 1951. Class 46.

551,754. Canned Tuna. Nawiliwili Canning Co., Ltd., Lihue, Kauai, Territory of Hawaii.
Filed Nov. 20, 1950, Serial No. 606,672. Published Aug. 7, 1951. Class 46.

551,755. Diastatic Enzyme Preparations for General Industrial Use, Particularly in the Leather Industry. Wallerstein Company, Inc., New York, N. Y.
Filed Nov. 20, 1950, Serial No. 606,688. Published Sept. 11, 1951. Class 6.

551,756. Coal. Holmes-Darst Coal Corporation, Knoxville, Tenn.
Filed Nov. 22, 1950, Serial No. 606,777. Published Aug. 7, 1951. Class 1.

551,757. Chemical Compositions for Addition to Water To Prevent Scale and/or Pitting. Goddard & Co., Sidney, Vancouver Island, British Columbia, Canada.
Filed Nov. 24, 1950, Serial No. 606,865. Published Sept. 11, 1951. Class 6.

551,758. Alkali Metal Salts of Alginic Acid. Kelco Company, San Diego, Calif.
Filed Nov. 24, 1950, Serial No. 606,871. Published Sept. 4, 1951. Class 6.

551,759. Cotton, Rayon, or Nylon Shoelaces. Joyal and Van Dale Co., Pawtucket, R. I.
Filed Nov. 25, 1950, Serial No. 606,946. Published Aug. 7, 1951. Class 40.

551,760. Compound of Petroleum and Fatty Oils for Softening and Preserving Leather. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,048. Published Sept. 11, 1951. Class 6.

551,761. Filling Machines of Vacuum and Non-Vacuum Type for Filling Containers Such as Cans, Boxes, Jars, Etc., With Comminuted or Granular Material Such as Powdered Eggs, Powdered Milk, Face Powder, and the Like. Pneumatic Scale Corporation, Limited, Quincy, Mass.
Filed Nov. 29, 1950, Serial No. 607,093. Published July 31, 1951. Class 23.

551,762. Atomizers. Screws and Instruments, Inc., New York, N. Y.
Filed Nov. 29, 1950, Serial No. 607,100. Published Aug. 28, 1951. Class 44.

551,763. Electrical Wires and Cables. Anaconda Wire and Cable Company, New York, N. Y.
Filed Dec. 2, 1950, Serial No. 607,209. Published Aug. 28, 1951. Class 21.

551,764. Sponges Employed by Surgeons as Filling Material in Various Operations Such as in Pneumonectomy Cases. A/S Ferrosan, Copenhagen, Denmark.
Filed Dec. 2, 1950, Serial No. 607,212. Published Sept. 11, 1951. Class 44.

551,765. Sewing Needles Sold in a Book Form. Pioneer Merchandise Co., Philadelphia, Pa., and New York, N. Y.
Filed Dec. 2, 1950, Serial No. 607,234. Published Sept. 11, 1951. Class 40

551,766. Safety Pins. Amex Merchandise Corp., New York, N. Y.
Filed Dec. 4, 1950, Serial No. 607,242. Published Aug. 7, 1951. Class 40.

551,767. Candy. Sarah Cook, Kendallville, Ind.
Filed Dec. 6, 1950, Serial No. 607,316. Published Aug. 14, 1951. Class 46.

551,768. Cups, Saucers, Dishes, Made of China, Crockery, and Earthenware. Hammond Research Corporation, Gloucester, Mass.
Filed Dec. 6, 1950, Serial No. 607,327 Published Aug. 7, 1951. Class 30.

551,769. Seam Binding. Standard Ribbon Co., New York, N. Y.
Filed Dec. 6, 1950, Serial No. 607,360. Published Sept. 4, 1951. Class 40.

551,770. Coating Materials for Vacuum or Electronic Tubes. The AP Parts Corporation, Toledo, Ohio.
Filed Dec. 7, 1950, Serial No. 607,371. Published Sept. 11, 1951. Class 6.

551,771. Petroleum Wax. Boler Petroleum Company, Inc., Philadelphia, Pa.
Filed Dec. 7, 1950, Serial No. 607,374. Published July 31, 1951. Class 15.

551,772. Wood Preserving Preparation. Geigy Company, Inc., New York, N. Y.
Filed Dec. 7, 1950, Serial No. 607,380. Published Sept. 4, 1951. Class 6.

551,773. Mink Skins. Joseph Liebergall & Co., New York, N. Y.
Filed Dec. 7, 1950, Serial No. 607,388. Published Sept. 11, 1951. Class 1.

551,774. Women's Hosiery. Rosedale Knitting Company, Reading, Pa.
Filed Dec. 7, 1950, Serial No. 607,400. Published Sept. 11, 1951 Class 39.

551,775. Ladies' Hosiery. Acclaim Hosiery Mills, Inc., High Point, N. C.
Filed Dec. 8, 1950, Serial No. 607,408. Published Sept. 4, 1951. Class 39.

551,776. Baby Pants. Rand Rubber Company, Inc., Brooklyn, N. Y.
Filed Dec. 8, 1950, Serial No. 607,452. Published Sept. 4, 1951. Class 39.

551,777. Pumps, Combined Filters and Pumps, Combined Agitators and Tanks, Combined Filters, Motors and Pumps, Combined Bottle Filler, Cappers, Labeling Machines, and Conveyor Work Table, and Parts of Such Apparatus. Alsop Engineering Corporation, Millidale, Conn.
Filed Dec. 9, 1950, Serial No. 607,474. Published Aug. 7, 1951. Class 23.

551,778. Decorative Braid for Use on Misses' and Women's Millinery and Women's and Misses' Garments. Germaine Montabert and Company, New York, N. Y.
Filed Dec. 11, 1950, Serial No. 607,545. Published Aug. 7, 1951. Class 40.

551,779. Lubricating Oils. Union Oil Company of California, Los Angeles, Calif.
Filed Dec. 11, 1950, Serial No. 607,566. Published July 31, 1951. Class 15.

551,780. Cheese. Salem Commodities, Incorporated, Baltimore, Md., doing business as Superior Cheese Company, Green Bay, Wis.
Filed Dec. 12, 1950, Serial No. 607,605. Published Aug. 21, 1951. Class 46.

551,781. Surgical Gloves. The Pioneer Rubber Company, Willard, Ohio.
Filed Dec. 13, 1950, Serial No. 607,639. Published Aug. 7, 1951. Class 44.

551,782. Silver-Ware—Namely, Sterling Flatware. Reed & Barton, Taunton, Mass.
Filed Dec. 13, 1950, Serial No. 607,641. Published Aug. 7, 1951. Class 28.

551,783. Blend of Sucrose and Corn Syrup Which Is Sold to the Food Industry. The Amalgamated Sugar Company, Ogden, Utah.
Filed Dec. 14, 1950, Serial No. 607,657. Published Sept. 11, 1951. Class 46.

551,784. Women's Hosiery. The Roxborough Company, Philadelphia, Pa.
Filed Dec. 14, 1950, Serial No. 607,685. Published Sept. 4, 1951. Class 39.

551,785. Electric Air Circulators. Stedl-Flo Air Circulators, Inc., Miami, Fla.
Filed Dec. 15, 1950, Serial No. 607,726. Published Sept. 11, 1951. Class 21.

551,786. Flatglass, Plateglass, Sheet Glass, Glass Tubes and Rods, Glass Table Ware, Glass Jars, Glass Bottles, Glass Vases, Glass Barware, Glass Console Sets, Glass Flasks, and Double Corrugated Glass. Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden.
Filed Dec. 16, 1950, Serial No. 607,733. Published Aug. 7, 1951. Class 33.

551,787. Glass Jars and Covers Therefor Sold as a Unit. Home Containers Corporation, San Francisco, Calif.
Filed Dec. 18, 1950, Serial No. 607,816. Published Aug. 28, 1951. Class 33.

551,788. Vibrating Screens and Vibrating Conveyors. Simplicity Engineering Company, Durand, Mich.
Filed Dec. 20, 1950, Serial No. 607,905. Published Aug. 28, 1951. Class 23.

551,789. Permanently Colored Concrete Floor Tile. Bronson Block Company, Ottawa Lake, Mich.
Filed Dec. 21, 1950, Serial No. 607,928. Published July 17, 1951. Class 12.

551,790. Women's, Misses', and Girls' Dresses. Pam Paterson Inc., New York, N. Y.
Filed Dec. 22, 1950, Serial No. 608,015. Published Sept. 11, 1951. Class 39.

551,791. Canned Vegetables. Lake County Cannery, Inc., Upper Lake, Calif.
Filed Dec. 26, 1950, Serial No. 608,072. Published Sept. 18, 1951. Class 46.

551,792. Leather, Fabric, and a Combination of Leather and Fabric Gloves. Portland Glove Company, Carlton, Oreg.
Filed Dec. 26, 1950, Serial No. 608,078. Published Sept. 11, 1951. Class 39.

551,793. Packages Containing Candy and a Toy. Comics Novelty Candy Corp., New York, N. Y.
Filed Dec. 27, 1950, Serial No. 608,105. Published Sept. 18, 1951. Class 46.

551,794. Water Repellent Film Coating for Building Structures. Prima Products, Inc., New York, N. Y.
Filed Dec. 27, 1950, Serial No. 608,124. Published Sept. 18, 1951. Class 16.

551,795. Anti-Freezes. Central Petroleum Company, Cleveland, Ohio.
Filed Dec. 8, 1950, Serial No. 608,187. Published Sept. 4, 1951. Class 6.

551,796. Women's and Children's Union Suits, Under Vests, and Under Pants. The William Carter Company, Needham Heights, Mass.
Filed Dec. 29, 1950, Serial No. 608,196. Published Sept. 11, 1951. Class 39.

551,797. Concrete Blocks Prefabricated for Assembly Into a Building. Jean U. Koree, New York, N. Y.
Filed Dec. 29, 1950, Serial No. 608,209. Published July 17, 1951. Class 12.

551,798. Women's and Misses' Dresses, Aprons, and Suits. Tabin-Picker & Co., Chicago, Ill.
Filed Jan. 5, 1951, Serial No. 608,439. Published Sept. 11, 1951. Class 39.

551,799. Electric Motors. W. W. Grainger, Inc., Chicago, Ill.
Filed Jan. 13, 1951, Serial No. 608,756. Published Aug. 28, 1951. Class 21.

551,800. Penicillin and Sulfonamides in Combined Dosage Form. Wyeth Incorporated, Philadelphia, Pa.
Filed Jan. 19, 1951, Serial No. 609,020. Published Aug. 14, 1951. Class 18.

551,801. Pocket Knives. Colonial Knife Company, Inc., Providence, R. I.
Filed Jan. 27, 1951, Serial No. 609,332. Published Aug. 28, 1951. Class 23.

551,802. Hoists for Use in Connection With Dump Trucks. Central Ohio Steel Products Company, doing business in the name of The Galion Allsteel Body Company, Galion, Ohio.
Filed Jan. 29, 1951, Serial No. 609,358. Published Sept. 4, 1951. Class 23.

551,803. Electrical Apparatus—Namely, Condenser Cases, Condenser Case Covers, Ballast Cans, Ballast Can Covers, Electrical Capacitor Cases, Electrical Capacitor Case Covers, Fuse Cases, Transformer Cans, Transformer Can Covers, Electronic Tube Shield Covers, and Shield Covers for Television Viewing Tubes. Northern Metal Products Company, Chicago, Ill.
Filed Jan. 30, 1951, Serial No. 609,410. Published Sept. 4, 1951. Class 21.

551,804. Cameras and Lenses Therefor, Shutters, Enlargers, Exposure Meters, Slide and Film Projectors, and Films. Olden Camera & Lens Company, New York, N. Y.
Filed Jan. 30, 1951, Serial No. 609,414. Published Aug. 14, 1951. Class 26.

551,805. Roofing Cement. Southwestern Petroleum Company, doing business as The Zone Company, Fort Worth, Tex.
Filed Feb. 1, 1951, Serial No. 609,496. Published July 31, 1951. Class 12.

551,806. Building Cement. Permanente Cement Company, Oakland, Calif.
Filed Jan. 30, 1951, Serial No. 609,772. Published July 31, 1951. Class 12.

551,807. Electrically Powered Culinary Mixing and Mincing Machines. Huwood Components Limited, Newcastle-on-Tyne, England.
Filed Feb. 9, 1951, Serial No. 609,861. Published Sept. 4, 1951. Class 21.

551,808. Piece Goods of Cotton, Rayon, and Mixtures of Cotton and Rayon. Herbert Manufacturing Co., Inc., New York, N. Y.
Filed Feb. 14, 1951, Serial No. 610,065. Published Aug. 28, 1951. Class 42.

551,809. Yarns. Masurel Worsted Mills, Inc., Woonsocket, R. I.
Filed Feb. 21, 1951, Serial No. 610,374. Published Sept. 11, 1951. Class 43.

551,810. Float Valves. T & N Valve Company, Shandon, Calif.
Filed Feb. 21, 1951, Serial No. 610,390. Published Sept. 18, 1951. Class 13.

551,811. Electrical Conduit Fittings—Namely, Couplings, Pipe Reducers, Pipe Connectors, Unions, Elbows, Wiping Sleeves, Conduit Pipe Plugs, Grounding Fittings, Pipe Clamps, and Flexible Couplings. Crouse-Hinds Company, Syracuse, N. Y.
Filed Feb. 24, 1951, Serial No. 610,493. Published Sept. 11, 1951. Class 21.

551,812. Electric Blankets. Glenwood Range Company, Taunton, Mass.
Filed Mar. 7, 1951, Serial No. 610,962. Published Aug. 28, 1951. Class 21.

551,813. Transformers and Electrical Connectors. American Gas Accumulator Company, Elizabeth, N. J.
Filed Mar. 13, 1951, Serial No. 611,212. Published Aug. 28, 1951. Class 21.

551,814. Shower Cabinets. Flat Metal Manufacturing Company, Franklin Park, Ill.
Filed Mar. 19, 1951, Serial No. 611,512. Published Sept. 18, 1951. Class 13.

551,815. Radio Transmitters and Receivers and Parts Therefor, Coupled Prime Mover Electric Generator Units, Electric Motors, Radio Antenna Reels, Electric Generators, and Thermionic Tubes. The Robert Dollar Company, also doing business as Heintz & Kaufman Division, San Francisco, Calif.
Filed Mar. 20, 1951, Serial No. 611,565. Published Sept. 11, 1951. Class 21.

551,816. Pottery Salt and Pepper Sets, Vases, Bowls, Baskets, Dinnerware. Wahpeton Pottery Company, Wahpeton, N. Dak.
Filed Mar. 22, 1951, Serial No. 611,667. Published Aug. 28, 1951. Class 30.

551,817. Mug Made of Base Metal. National Silver Company, New York, N. Y.
Filed Mar. 27, 1951, Serial No. 611,851. Published Sept. 18, 1951. Class 13.

551,818. Artificial Teeth. Universal Dental Company, Philadelphia, Pa.
Filed May 21, 1951, Serial No. 614,181. Published Aug. 28, 1951. Class 44.

Service Marks

551,819. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,888. Published Sept. 11, 1951. Class 104.

551,820. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,894. Published Sept. 11, 1951. Class 104.

551,821. Advertising and Entertainment Services Through the Medium of Radio Program Broadcasts in the Nature of Music and Comments. Jefferson Standard Broadcasting Company, doing business as Radio Station WBT, Charlotte, N. C.
Filed May 12, 1948, Serial No. 556,893. Published Sept. 11, 1951. Class 101.

551,822. Underwriting Fire, Marine, and Casualty Insurance. Glens Falls Insurance Company, Glens Falls, N. Y.
Filed Oct. 21, 1948, Serial No. 567,739. Published Sept. 11, 1951. Class 102.

551,823. Promotion of Interest, Appreciation, and Understanding of Orchestral Instruments and Music Through the Medium of a Radio Program Consisting of Informal Orchestral Rehearsals. The National Orchestral Association, Inc., New York, N. Y.
Filed Mar. 12, 1949, Serial No. 575,366. Published Sept. 4, 1951. Class 107.

551,824. Entertainment Services in Nature of Puppet Television Programs. F. Burr Tillstrom, Chicago, Ill.
Filed May 20, 1949, Serial No. 579,231. Published Sept. 11, 1951. Class 107.

551,825. Repair, Maintenance, and Overhaul of Aircraft and Aircraft Engines, and Components Thereof. Pacific Airmotive Corporation, Burbank, Calif.
Filed Oct. 10, 1949, Serial No. 586,059. Published Sept. 11, 1951. Class 103.

551,826. Lecturing on Experiences, Places, and Events of Interest Throughout the World Through the Medium of Radio and Illustrated Television Program Broadcasts. World Adventure Series, Incorporated, Detroit, Mich.
Filed Oct. 25, 1949, Serial No. 586,830. Published Sept. 11, 1951. Class 107.

551,827. Underwriting of Hospitalization and Health and Accident Insurance. Graphic Arts Disability Plan, Inc., New York, N. Y.
Filed Dec. 5, 1949, Serial No. 588,798. Published Sept. 11, 1951. Class 102.

551,828. Entertainment Service in the Nature of Stories To Be Rendered Through the Medium of Radio and Television. Jack Strausberg, Chicago, Ill.
Filed Dec. 6, 1949, Serial No. 588,906. Published Sept. 11, 1951. Class 107.

551,829. Exploring and Discovering, Gathering, Compiling and Disseminating Information About Parts of the Earth and Its Life—Namely, the Mountain Regions of the Pacific Coast of the United States of America, Etc. Sierra Club, San Francisco, Calif.
Filed June 5, 1950, Serial No. 598,612. Published Sept. 4, 1951. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

551,830. (Class 26. Measuring and Scientific Appliances.) The Exact Weight Scale Company, Columbus, Ohio. Original filed, act of 1946, Principal Register, July 17, 1947; amended to application, Supplemental Register, Aug. 23, 1950, Serial No. 528,778.

"EXACT WEIGHT"

Applicant claims ownership of Registration No. 154,452.
For Weighing Scales.
Claims use since Jan. 1, 1917.

551,831. (Class 46. Foods and Ingredients of Foods.) Seeman Brothers, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 4, 1947; amended to application, Supplemental Register, June 6, 1951, Serial No. 533,401.

"TENDABIG"

Applicant claims ownership of Registration No. 389,309.
For Canned Peas.
Claims use since May 27, 1940.

551,832. (Class 19. Vehicles.) Yankee Metal Products Corp., Norwalk, Conn. Original filed, act of 1946, Principal Register, Sept. 19, 1947; amended to application, Supplemental Register, Sept. 10, 1951, Serial No. 535,110.

Twin-Arm Tear Drop

For Outside Rear-View Mirrors for Automobiles.
Claims use since Nov. 15, 1946.

551,833. (Class 51. Cosmetics and Toilet Preparations.) Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 14, 1948; amended to application, Supplemental Register, June 3, 1949, Serial No. 547,007.



The trade-mark consists of the front view of a bottle bearing two labels, namely a neck-band label and a body label, the former being diagonally disposed around the neck of the bottle and bearing in script the words "Lanman & Kemp," the body label bearing the words "Florida Water" and "Murray & Lanman" in conjunction with representations of a fountain, garlands of flowers, scrolls, a butterfly, parrots and a man and woman in medieval garb, the latter holding a parrot and the former playing on a guitar, and between the representation of a man and a woman, the representation of a shield, bearing the legend "Prepared by Lanman & Kemp-Barclay & Co. Incorporated." Applicant claims ownership of Registrations Nos. 47,457 and 515,807.
For Toilet Water Recommended for Refreshing and Scenting the Skin; for Massaging the Body; for Use as a Personal Deodorant and for Deodorizing Premises; as a Before- and After-Shave Lotion; for Insect Bites; and as a Hair Lotion.
Claims use since 1830.

551,834. (Class 22. Games, Toys, and Sporting Goods.) The Hi-Flier Manufacturing Company, Decatur, Ill. Original filed, act of 1946, Principal Register, Mar. 19, 1948; amended to application, Supplemental Register, July 18, 1950, Serial No. 552,457.



The representation of a kite and the word "Kite" are disclaimed.
For Kites.
Claims use since Aug. 25, 1924.

551,835. (Class 22. Games, Toys, and Sporting Goods.) The Hi-Flier Manufacturing Company, Decatur, Ill. Original filed, act of 1946, Principal Register, Mar. 19, 1948; amended to application, Supplemental Register, July 18, 1950, Serial No. 552,458.



The outline of the kite is disclaimed.
For Kites.
Claims use since Sept. 15, 1926.

551,836. (Class 22. Games, Toys, and Sporting Goods.) The Hi-Flier Manufacturing Company, Decatur, Ill. Original filed, act of 1946, Principal Register, Mar. 19, 1948; amended to application, Supplemental Register, July 18, 1950, Serial No. 552,459.



The outline of the kite is disclaimed.
For Kites.
Claims use since May 31, 1932.

551,837. (Class 22. Games, Toys, and Sporting Goods.) The Hi-Flier Manufacturing Company, Decatur, Ill. Original filed, act of 1946, Principal Register, Mar. 19, 1948; amended to application, Supplemental Register, June 5, 1950, Serial No. 552,460.



The outline of the kite is disclaimed.
For Kites.
Claims use since May 12, 1938.

551,838. (Class 22. Games, Toys, and Sporting Goods.) The Hi-Flier Manufacturing Company, Decatur, Ill. Original filed, act of 1946, Principal Register, Mar. 19, 1948; amended to application, Supplemental Register, July 18, 1950, Serial No. 552,461.



The outline of a kite is disclaimed. The drawing is lined for red, yellow, green, blue, purple.
For Kites.
Claims use since Apr. 12, 1940.

551,839. (Class 22. Games, Toys, and Sporting Goods.) The Hi-Flier Manufacturing Company, Decatur, Ill. Original filed, act of 1946, Principal Register, Mar. 19, 1948; amended to application, Supplemental Register, July 18, 1950, Serial No. 552,462.



The outline of a kite is disclaimed
For Kites.
Claims use since June 23, 1934.

551,840. (Class 22. Games, Toys, and Sporting Goods.) Lutz Pork Bait Co., Kansas City, Mo. Original filed, act of 1946, Principal Register, Feb. 7, 1949; amended to application, Supplemental Register, Apr. 4, 1951, Serial No. 573,430.

SHURHOOK

For Pork Rind Fish Bait.
Claims use since Feb. 1, 1949.

551,841. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Iron Fireman Manufacturing Company, Portland, Oreg. Original filed, act of 1946, Principal Register, May 11, 1949; amended to application, Supplemental Register, Aug. 16, 1951, Serial No. 578,596.

Twin System

For Combination Air Conditioning and Heating Systems in Which Air Is Warmed by Hot Water or Steam and in Which the Air Is Filtered and in Which Hot Water Is Instantaneously Available.
Claims use since Nov. 1, 1944.

551,842. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Iron Fireman Manufacturing Company, Portland, Oreg. Original filed, act of 1946, Principal Register, May 11, 1949; amended to application, Supplemental Register, Aug. 16, 1951, Serial No. 578,597.

TWIN SYSTEM

For Heating Plants and Warm Air Furnaces.
Claims use since Nov. 1, 1944.

551,843. (Class 34. Heating, Lighting, and Ventilating Apparatus.) The Spooner Dryer & Engineering Company Limited, Ilkley, England. Original filed, act of 1946, Principal Register, June 30, 1949; amended to application, Supplemental Register, May 22, 1950, Serial No. 581,459.

SPOONER

Applicant claims ownership of British Registration No. 640,653, dated Oct. 5, 1945.
For Air Conditioning Plant and Fans for Ventilating.

551,844. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) J. J. Newberry Co., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 16, 1949; amended to application, Supplemental Register, Apr. 2, 1951, Serial No. 585,892.

NEWBRITE

For Kitchen Knives Made of Non-Precious Metal.
Claims use since Aug. 19, 1949.

551,845. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Hazel Brown Goddin, Richmond, Va. Original filed, act of 1946, Principal Register, Nov. 10, 1949; amended to application, Supplemental Register, June 30, 1951, Serial No. 587,631.

TRICOLOR

For Receptacles—Namely, Metal Flower Pots and Saucers Therefor Sold as a Unit.
Claims use since Nov. 4, 1949.

551,846. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Griffith Annesley, Portland, Oreg. Filed Dec. 24, 1949, Serial No. 589,899.

THROWAWAY

The representation of the drill bit is disclaimed.
For Detachable Rock-Drill Bits, Concrete Breaker Tips, Coal Cutter Tips, Metal Machinery Tips, and Bits for Diamond Drilling.
Claims use since June 1, 1939.

551,847. (Class 16. Paints and Painters' Materials.) Chase Products Co., Maywood, Ill. Original filed, act of 1946, Principal Register, Jan. 13, 1950; amended to application, Supplemental Register, Oct. 24, 1950, Serial No. 590,807.

SPRAYPAK

For Enamel Paint Packed in Aerosol Bombs.
Claims use since May 1949.

551,848. (Class 6. Chemicals and Chemical Compositions.) J. W. Quinn Drug Company, Greenwood, Miss. Original filed, act of 1946, Principal Register, Feb. 17, 1950; amended to application, Supplemental Register, Apr. 20, 1951, Serial No. 592,665.

Las-ting

For Laundry Starch.
Claims use since Nov. 11, 1949.

551,849. (Class 6. Chemicals and Chemical Compositions.) Knapp-Monarch Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Feb. 18, 1950; amended to application, Supplemental Register, Sept. 22, 1951, Serial No. 592,708.

KWIK-FRESH

Applicant claims ownership of Registration No. 524,196.
For Deodorant Under Pressure Dispensed as an Aerosol.
Claims use since Dec. 23, 1949.

551,850. (Class 26. Measuring and Scientific Appliances.) Modern Optics, Incorporated, Houston, Tex. Original filed, act of 1946, Principal Register, Mar. 31, 1950; amended to application, Supplemental Register, Sept. 13, 1951, Serial No. 594,979.

4-way

Applicant claims ownership of Registrations Nos. 406,478 and 512,793.
For Spectacle Lenses.
Claims use since Aug. 30, 1949.

551,851. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Chaudières Bouëllat, Paris, France. Original filed, act of 1946, Principal Register, June 2, 1950; amended to application, Supplemental Register, May 21, 1951, Serial No. 598,453.

BOUËLLAT

Applicant claims ownership of French Registration No. 365,240, dated Mar. 25, 1946.
For Steam, Vapor, and Hot Water Heating Systems for Industrial Use Sold as a Unit.

551,852. (Class 22. Games, Toys, and Sporting Goods.) Michael J. Misko, doing business as Elmar Company, Inglewood, Calif. Original filed, act of 1946, Principal Register, June 16, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 599,252.

SINK-EM

For Game Played With a Board, Dice, and Play Pieces Made in the Form of Ships.
Claims use since May 31, 1950.

551,853. (Class 6. Chemicals and Chemical Compositions.) Fidelity Chemical Products Corp., Newark, N. J. Original filed, act of 1946, Principal Register, Aug. 2, 1950; amended to application, Supplemental Register, May 23, 1951, Serial No. 601,613.

PEEL-PAK

For Hot Dip Coating for Paper, Metal, and Wood.
Claims use since May 15, 1950.

551,854. (Class 46. Foods and Ingredients of Foods.) Pharr Canning Co., Inc., Van Buren, Ark. Original filed, act of 1946, Principal Register, Aug. 8, 1950; amended to application, Supplemental Register, July 31, 1951, Serial No. 601,943.

WHITESIDE FARMS

For Canned Vegetables.
Claims use since Nov. 9, 1946.

551,855. (Class 6. Chemicals and Chemical Compositions.) W. F. Davis, doing business as Davis Creosoting Company, Birmingham, Ala. Original filed, act of 1946, Principal Register, Aug. 16, 1950; amended to application, Supplemental Register, Oct. 3, 1951, Serial No. 602,249.

PEST-GO

For Insecticide.
Claims use since Aug. 9, 1950.

551,856. (Class 10. Fertilizers.) Atkins & Durbrow, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 25, 1950; amended to application, Supplemental Register, Sept. 13, 1951, Serial No. 603,953.

Fert-L-Mos

For Enriched Peat Moss for Use as Fertilizer and Plant Food.
Claims use since Sept. 8, 1950.

551,857. (Class 50. Merchandise Not Otherwise Classified.) Formfit Metal Shoulder Pad Co., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 26, 1950; amended to application, Supplemental Register, Sept. 26, 1951, Serial No. 604,060.

FORMFIT

For Metal Pads for Clothes Hangers.
Claims use since Sept. 7, 1950.

551,858. (Class 19. Vehicles.) Gar Wood Industries, Inc., Wayne, Mich. Original filed, act of 1946, Principal Register, Feb. 3, 1951; amended to application, Supplemental Register, Sept. 22, 1951, Serial No. 609,591.

Pax-all

For Bodies for Garbage and Refuse Hauling Trucks.
Claims use since January 1949.

551,859. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Oregon Saw Chain Corporation, Portland, Oreg. Original filed, act of 1946, Principal Register, Feb. 12, 1951; amended to application, Supplemental Register, Aug. 29, 1951, Serial No. 609,985.

OREGON

For Saw Chains, Chain Saw Bars, Saw Bar Handles, Timber Falling and Bucking Wedges.
Claims use since Nov. 15, 1948.

551,860. (Class 2. Receptacles.) Cohoes Envelope Company, Inc., Cohoes, N. Y. Filed Apr. 16, 1951, Serial No. 612,718

TEAR-OFF

For Paper Parcel Bags.
Claims use since Oct. 1, 1939.

Service Marks

551,861. (Class 103. Construction and Repair.) Temperature Engineers Inc., Skokie, Ill. Original filed, act of 1946, Principal Register, Feb. 5, 1948; amended to application, Supplemental Register, Nov. 10, 1949, Serial No. 548,880.

"We Freeze to Please"

For Designing, Installing, Maintaining and Servicing, Inspecting, and Repairing Refrigerating and Air Conditioning Apparatus Employed for Various Uses and Wherever Situated.
Claims use since Feb. 1, 1946.

551,862. (Class 100. Miscellaneous.) Earl M. De Noon, doing business as South Florida Test Service, Miami, Fla. Original filed, act of 1946, Principal Register, Apr. 18, 1950; amended to application, Supplemental Register, Sept. 25, 1951, Serial No. 595,877.

"TOMORROW'S PRODUCTS TESTED TODAY"

For Engineering Research, Testing, and Inspection Services Rendered to Others in the Development of New Materials and Products.
Claims use since January 1949.

TRADE-MARK REGISTRATIONS RENEWED

37,263. REPRESENTATION OF OAK-TREE. Registered Oct. 29, 1901. J. F. Sturdy's Sons. Re-renewed Oct. 29, 1951, to J. F. Sturdy's Sons Company, Attleboro Falls, Mass., a corporation of Massachusetts. Chains. Class 28.

37,264. "CRUCIBLE STEEL COMPANY OF AMERICA" AND DRAWING. Registered Oct. 29, 1901. Crucible Steel Company of America, Jersey City, N. J. Re-renewed Oct. 29, 1951, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey. Steel and Steel Blanks, Forms, Shapes, and Parts for Manufactured Articles. Class 14.

83,608. SOC. Registered Sept. 26, 1911. S. O. & C. Co., Ansonia, Conn., and Boston, Mass. Re-renewed Sept. 26, 1951, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. Eyelets and Lacing-Hooks. Class 40.

84,333. SCIENTIFIC AMERICAN. Registered Nov. 28, 1911. Munn & Co., Inc. Re-renewed Nov. 28, 1951, to Scientific American, Inc., New York, N. Y., a corporation of Delaware. Weekly Periodicals. Class 38.

84,413. SULTAN. Registered Dec. 12, 1911. Rosenberg Bros. & Co. Re-renewed Dec. 12, 1951, to Rosenberg Bros. & Co., Inc., San Francisco, Calif., a corporation of Maryland. Figs. Class 46.

84,847. MONTCO. Registered Jan. 9, 1912. Montana Flour Mills Co., Harlowton, Mont. Re-renewed Jan. 9, 1952, to Montana Flour Mills Co., Great Falls, Mont., a corporation of Montana. Wheat-Flour. Class 46.

84,848. JUDITH. Registered Jan. 9, 1912. Montana Flour Mills Co., Harlowton, Mont. Re-renewed Jan. 9, 1952, to Montana Flour Mills Co., Great Falls, Mont., a corporation of Montana. Wheat-Flour. Class 46.

84,900. HEPALINA. Registered Jan. 9, 1912. Chattanooga Medicine Co. Re-renewed Jan. 9, 1952, to The Chattanooga Medicine Company, Chattanooga, Tenn., a corporation of Tennessee. Liver Medicine. Class 18.

85,021. VON DUPRIN. Registered Jan. 16, 1912. Von Duprin Fire Exit Latch Company. Re-renewed Jan. 16, 1952, to Vonnegut Hardware Co., Indianapolis, Ind., a corporation of Indiana. Locks and Latches. Class 25.

85,069. "SUNKIST" AND DESIGN. Registered Jan. 30, 1912. California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California. Re-renewed Jan. 30, 1952. Lemons. Class 46.

283,551. "EVERYOUTH" ETC. AND DRAWING. Registered June 2, 1931. Nathan Hurwitz, doing business as The Ever-Youth Co. Renewed June 2, 1951, to Norman Hurwitz, doing business as The Everyouth Co., New York, N. Y. Hair Color Restorer. Class 51.

284,166. ENNJAY. Registered June 16, 1931. Standard Oil Company of New Jersey, Wilmington, Del. Renewed June 16, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Pipe-Coating Enamel of the Nature of Paint. Class 16.

285,647. "GT" LINED FOR BLUE. Registered Aug. 4, 1931. Germania Tea Company, Minneapolis, Minn. Renewed Aug. 4, 1951, to Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware. Medicines—Namely, an Herb Tea for Causing the Organs To Eliminate. Class 18.

285,734. BIEN-ÊTRE. Registered Aug. 4, 1931. Societe Cadolle Freres, Paris, France, a firm of France. Renewed Aug. 4, 1951. Perfumery and Toilet Preparations—Namely, Powders, Rouges, Compacts, Creams, and Lipsticks. Class 51.

286,104. EASY WHIP. Registered Aug. 18, 1931. Virginia Dare Extract Company, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Aug. 8, 1951. Preparation in Powder Form To Be Added to Other Ingredients in the Preparation of Icings, Toppings, and the Like. Class 46.

286,770. ELECTROPRINT. Registered Sept. 1, 1931. International Time Recording Company of New York, Endicott, N. Y. Renewed Sept. 1, 1951, to International Business Machines Corporation, New York, N. Y., a corporation of New York. Time Stamps. Class 26.

286,861. "J M" ETC. AND DESIGN. Registered Sept. 8, 1931. John Mulhern Co., San Francisco, Calif., a corporation of California. Renewed Sept. 8, 1951. Canned and Bottled Crushed Fruits, Syrups for Food Flavoring Purposes, Shelled Nuts, Etc. Class 46.

287,259. SILVERTOP. Registered Sept. 15, 1931. The V. D. Anderson Company. Renewed Sept. 15, 1951, to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio. Steam Traps. Class 13.

287,291. PHYLLICIN. Registered Sept. 15, 1931. E. Bilhuber, Inc., Jersey City, N. J. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Sept. 15, 1951. Medical Preparation for the Treatment of the Cardiovascular System and Kidneys. Class 18.

287,349. SHOW GIRL. Registered Sept. 22, 1931. The McNaught Syndicate, Inc. Renewed Sept. 22, 1951, to J. P. McEvoy, New York, N. Y. Comic Strips Printed and Published Periodically in Various Newspapers. Class 38.

287,350. DIXIE DUGAN. Registered Sept. 22, 1931. The McNaught Syndicate, Inc. Renewed Sept. 22, 1951, to J. P. McEvoy, New York, N. Y. Comic Strips Printed and Published Periodically in Various Newspapers. Class 38.

287,949. VITA-GREENS. Registered Oct. 20, 1931. California-Hawaiian Milling Company, San Francisco, Calif. Renewed Oct. 20, 1951, to Saunders Mills, Inc., Toledo, Ohio, a corporation of Ohio. Dehydrated Alfalfa Leaf Meal and Dehydrated Alfalfa Meal. Class 46.

288,053. AMKLEER. Registered Oct. 20, 1931. The American Paper Goods Company, Montclair, N. J., and Kensington, Conn. Renewed Oct. 20, 1951, to The American Paper Goods Company, Kensington, Conn., a corporation of New Jersey. Merchandising Envelopes and Bags of the Same General Character and Used for the Same General Purpose as the Envelopes. Class 2.

288,071. PUBLIX. Registered Oct. 20, 1931. Bastian-Morley Co. Renewed Oct. 20, 1951, to Bastian-Morley Co., Inc., La Porte, Ind., a corporation of Indiana. Gas Water Heaters. Class 34.

288,254. "ENNJAY" AND DESIGN. Registered Oct. 20, 1931. Standard Oil Company of New Jersey, Wilmington, Del. Renewed Oct. 20, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Asphalt and Asphalt Pipe Coating. Class 12.

288,333. CYRILLA. Registered Oct. 27, 1931. Chicago Macaroni Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 27, 1951. Macaroni. Class 46.

288,414. BECCO. Registered Oct. 27, 1931. Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y., a corporation of New York. Renewed Oct. 27, 1951. Hydrogen Peroxide, Ammonium Persulphate, and Potassium Persulphate. Class 6.

288,885. "RAY" AND DRAWING. Registered Nov. 10, 1931. Ray Burner Company. Renewed Nov. 10, 1951, to Ray Oil Burner Co., San Francisco, Calif., a corporation of California. Electrical Apparatus, Particularly Automatic Electrical Control Units for Oil and Gas Burners and Oil and Gas Furnaces. Class 21.

289,096. MARVEL MESH. Registered Nov. 17, 1931. Julius Kayser & Co., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Hosiery. Class 39.

289,261. SILENTAIRE. Registered Nov. 24, 1931. F. E. Berry Jr. & Co. Inc., Boston, Mass. Renewed Nov. 24, 1951, to The Gordon Armstrong Company, Inc., Cleveland, Ohio, a corporation of Ohio. Window Ventilators Adapted for Attachment to the Windows of Buildings To Intercept, Absorb and/or Deflect Sound Waves. Class 34.

289,409. LINCOLN-ITE. Registered Nov. 24, 1931. Lincoln Oil Refining Company, Robinson, Ill. Renewed Nov. 24, 1951, to The Ohio Oil Company, Findlay, Ohio, a corporation of Ohio. High Softening Point Bituminous Material. Class 12.

289,514. "ELASTIC" AND REPRESENTATION OF IRON. Registered Dec. 1, 1931. The Hubinger Co., Keokuk, Iowa, a corporation of Iowa. Renewed Dec. 1, 1951. Starch. Class 6.

289,621. "COLGATE'S" ETC. AND REPRESENTATION OF CARTON LINED FOR BLUE. Registered Dec. 1, 1931. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Dec. 1, 1951, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Shaving Soap and Shaving Sticks. Class 51.

289,653. "VARI-CHLOR-OSE" ETC. Registered Dec. 1, 1931. George Gabriel Ulmer, doing business as Ulmer Laboratories. Renewed Dec. 1, 1951, to Physicians and Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn., a corporation of Minnesota. Medicinal Preparation for the Treatment of Varicose Veins. Class 18.

289,694. "PALMOLIVE" AND DESIGN. Registered Dec. 1, 1931. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Dec. 1, 1951, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Toilet Soap. Class 52.

289,700. F-B. Registered Dec. 1, 1931. Fitzpatrick Bros. Inc., Chicago, Ill., a corporation of Illinois. Renewed Dec. 1, 1951. Soap. Class 52.

289,726. SILK FLOSS. Registered Dec. 1, 1931. Huntington Laboratories, Inc., Huntington, Ind., a corporation of Indiana. Renewed Dec. 1, 1951. Liquid Shampoo. Class 52.

289,744. "MIDDISHADE CLOTHES" ETC. AND DRAWING. Registered Dec. 1, 1931. The Middishade Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 1, 1951. Men's and Boys' Suits, Overcoats, and Topcoats. Class 39.

289,773. VELVETEX FLOOR TILE. Registered Dec. 8, 1931. The Mosaic Tile Company, Zanesville, Ohio, a corporation of Ohio. Renewed Dec. 8, 1951. Floor and Wall Tiles of Baked Clay. Class 12.

290,034. ALBORUM. Registered Dec. 22, 1931. Morton Manufacturing Corporation, Lynchburg, Va., a corporation of Virginia. Renewed Dec. 22, 1951. Astringent Deodorant Powder. Class 51.

290,171. REPRESENTATION OF IRON. Registered Dec. 22, 1931. The Hubinger Co., Keokuk, Iowa, a corporation of Iowa. Renewed Dec. 22, 1951. Starch. Class 6.

290,203. ELASTIC. Registered Dec. 22, 1931. The Hubinger Co., Keokuk, Iowa, a corporation of Iowa. Renewed Dec. 22, 1951. Laundry Starch. Class 6.

290,226. PHENOCASALATE. Registered Dec. 22, 1931. Otis Clapp & Son, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Dec. 22, 1951. Laxative. Class 18.

290,274. CONVERTO. Registered Dec. 29, 1931. Bastian-Morley Co. Renewed Dec. 29, 1951, to Bastian-Morley Co., Inc., La Porte, Ind., a corporation of Indiana. Gas Burners. Class 34.

290,683. MEEKONG. Registered Jan. 12, 1932. Riverside & Dan River Cotton Mills, Inc. Renewed Jan. 12, 1952, to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia. Cotton Broadcloth in the Piece. Class 42.

290,684. TIBER. Registered Jan. 12, 1932. Riverside & Dan River Cotton Mills, Inc. Renewed Jan. 12, 1952, to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia. Cotton Broadcloth in the Piece. Class 42.

290,685. TIGRIS. Registered Jan. 12, 1932. Riverside & Dan River Cotton Mills, Inc. Renewed Jan. 12, 1952, to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia. Cotton Broadcloth In the Piece. Class 42.

290,789. REMEMBRANCETONE. Registered Jan. 19, 1932. Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota. Renewed Jan. 19, 1952. Etchings, Printed Etchings, Greeting Cards, Water-Color Prints, and Gravure Etchings. Class 38.

290,810. DUOTEX. Registered Jan. 19, 1932. Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri. Renewed Jan. 19, 1952. Fabric Bags Made Either of Fabric Alone or a Combination of Fabric and Paper. Class 2.

291,301. DIGILANID. Registered Feb. 9, 1932. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 9, 1952. Pure Glucosides From Digitalis Lanata and Recommended for the Treatment of Cardio-Renal Diseases. Class 18.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

278,983. "M" AND DESIGN. Registered Jan. 6, 1931. Southern Pacific Milling Company, San Francisco, Calif. Dairy and Poultry Feed and Grain. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising Colorado, Kansas, New Mexico, Arizona, Oklahoma, Arkansas, Louisiana, and Texas, by order of the Commissioner dated Nov. 6, 1951, following decision on Concurrent Use Proceeding No. 41, *The Colorado Milling & Elevator Co.* v. *Southern Pacific Milling Company.*

290,091. ALECTRAL. Registered Dec. 22, 1931. General Cable Corporation, New York, N. Y. Electric Wires, and Cables and Terminals Therefor. Class 21. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Delaware" should be *New Jersey.*

278,020. GOLDEN MAGIC. Registered May 21, 1940. Nutrena Mills, Inc., Kansas City, Kans. Stock and Poultry Feeds. Class 46. Amended as follows: In the statement, line 6, "and poultry" is deleted.

543,383. PICTORIAL DESIGN. Registered June 5, 1951. Foremost Dairies, Inc., Jacksonville, Fla. Ice Cream. Class 46. Corrected as follows: In the certificate, line 3; and in the statement, line 2, "Delaware" should be *New York.*

543,384. "TRIPLE GOODNESS" AND PICTORIAL DESIGN. Registered June 5, 1951. Foremost Dairies, Inc., Jacksonville, Fla. Ice Cream. Class 46. Corrected as follows: In the certificate, line 3; and in the statement, line 2, "Delaware" should be *New York.*

547,151. "APEX ANODE-PAK" AND DESIGN. Registered Aug. 28, 1951. Apex Smelting Co., Chicago, Ill. Anode Consisting of a Bag Filled Principally With a Magnesium Alloy Powder, for the Prevention of Corrosion in Pipe Lines. Class 21. Corrected as follows: In the statement, lines 6, 7, and 8, "anode consisting of a bag filled principally with a magnesium powder" should be *a bag filled principally with a magnesium alloy anode.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

293,203. ROBERT BOSCH. Registered Apr. 12, 1932. Robert Bosch Aktiengesellschaft. Electric Lighting and Starting Systems for Vehicles and Cycles Comprising Electric Generators, Etc. Class 21. New certificate under section 7(c) issued Dec. 4, 1951, to American Bosch Corporation, Springfield, Mass., a corporation of New York.

296,379. BOSCH. Registered Aug. 2, 1932. Robert Bosch Aktiengesellschaft. Magneto-Electric Ignition Systems for Internal Combustion Engines and Parts Thereof—Namely, Induction Coils, Etc. Class 21. New certificate under section 7(c) issued Dec. 4, 1951, to American Bosch Corporation, Springfield, Mass., a corporation of New York.

304,917. BOSCH. Registered July 18, 1933. Robert Bosch Aktiengesellschaft. Magneto-Electric and Battery Ignition Systems for Internal Combustion Engines and Parts Thereof—Namely, Magnetos, Ignition Distributors, Etc. Class 21. New certificate under section 7(c) issued Dec. 4, 1951, to American Bosch Corporation, Springfield, Mass., a corporation of New York.

309,821. BOSCH. Registered Jan. 30, 1934. Robert Bosch Aktiengesellschaft. Brakes and Equipment for Brakes, and Windshield Wipers of the Squeegee Type. Class 19. New certificate under section 7(c) issued Dec. 4, 1951, to American Bosch Corporation, Springfield, Mass., a corporation of New York.

363,528. BOSCH. Registered Dec. 27, 1938. Robert Bosch Gesellschaft mit beschrankter Haftung. Glow Plugs, Used With Internal Combustion Engines, and Direction Indicators and Switches Therefor. Class 21. New certificate under section 7(c) issued Dec. 4, 1951, to American Bosch Corporation, Springfield, Mass., a corporation of New York.

363,529. BOSCH. Registered Dec. 27, 1938. Robert Bosch Gesellschaft mit beschrankter Haftung. Fuel Supply Pumps, Filters for Fuel and Oil, Governors for Internal Combustion Engines, and Parts of the Said Goods. Class 23. New certificate under section 7(c) issued Dec. 4, 1951, to American Bosch Corporation, Springfield, Mass., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 202,354. Registered Aug. 18, 1925. Shawinigan Products Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

SHAWINIGAN

For Carbon Black, Particularly Acetylene Black.
Claims use since October 1920.

Reg. No. 320,562. Registered Jan. 1, 1935. Economic Materials Co., Chicago, Ill. Republished by J. E. Siebel Sons Co. Inc., Chicago, Ill., a corporation of Illinois.

CHILKO

For Chill-Proofing Agent To Protect the Colloidal Equilibrium of the Albuminoid Bodies.
Claims use since May 2, 1933.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 280,380. Registered Feb. 17, 1931. Sasieni London, Ltd., New York, N. Y. Republished by Sasieni Ltd., London, England, a corporation organized under the laws of Great Britain.

MAYFAIR

For Smokers' Pipes.
Claims use since July 1930.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 285,659. Registered Aug. 4, 1931. E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware. Republished by registrant.

MANSION

For Oak Flooring.
Claims use since Feb. 8, 1928.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 289,486. Registered Dec. 1, 1931. Monad Paint and Varnish Company, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

COL-O-JAR

For Colors in Oil for Paints, Paint Pastes, or Paint Pigments.
Claims use since Apr. 15, 1931.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 289,534. Registered Dec. 1, 1931. "Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G., Berlin-Spandau, Germany. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

„Hombreol"

For Medicinal Preparation for Stimulating Gland Action.
Claims use since March 1930.

Reg. No. 312,335. Registered Apr. 24, 1934. Ames Co., Los Angeles, Calif. Republished by Tablerock Laboratories, Inc., Greenville, S. C., a corporation of South Carolina.

Sedalgesic

For Medicinal Compound—Namely, a Sedative and Analgesic.
Claims use since on or about Sept. 8, 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 400,745. Registered Mar. 30, 1943. Reliance Devices Company, Inc., New York, N. Y. Republished by Swivelier Company, Inc., New York, N. Y., a corporation of New York.



The words "Stays Put at Any Angle" and the representation of the goods are disclaimed apart from the mark as shown.
For Electric Light Sockets, Fluorescent Light Sockets, Swivel Attachments for Electric Light Sockets, Swivel Attachments for Fluorescent Light Sockets, and Swivel Attachments for Adjustable Electrical Automobile Fans.
Claims use since Sept. 1, 1942.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 288,383. Registered Oct. 27, 1931. Elgin National Watch Company, Chicago and Elgin, Ill., a corporation of Illinois. Republished by registrant, present address Elgin, Ill.

States

For Watches, Watch Movements, and Watch Cases.
Claims use since on or about Aug. 21, 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 296,921. Registered Aug. 23, 1932. Hound Packing Company, Chicago, Ill. Republished by Hound Metallic Packing Co., Chicago, Ill., a firm.



For Metallic Machinery Packings.
Claims use since Jan. 1, 1931.

CLASS 39

CLOTHING

Reg. No. 246,938. Registered Sept. 18, 1928. Day's Tailor-D Wear, Inc., Tacoma, Wash. Republished by Day's Tailor-D Clothing, Inc., Tacoma, Wash., a corporation of Washington.

IRON DUKE

For Trousers.
Claims use since Jan. 1, 1928.

Reg. No. 290,145. Registered Dec. 22, 1931. Signature Hosiery Company, Inc., Philadelphia, Pa., and New York, N. Y. Republished by Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania.

Signature

For Hosiery.
Claims use since Dec. 17, 1930.

Reg. No. 352,964. Registered Dec. 21, 1937. Goldstein Millinery Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Parkly

For Women's and Girls' Hats and Caps.
Claims use since on or about Jan. 1, 1937.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 288,352. Registered Oct. 27, 1931. Kom-Fut Arch Support Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

THE KOM-FUT ARCH SUPPORT

The words "Arch Support" are disclaimed apart from the mark as shown.
For Arch Supports.
Claims use since Feb. 5, 1921.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 81,498. Registered Apr. 18, 1911. Boston Molasses Co., Boston, Mass. Republished by Boston Molasses Company, Boston, Mass., a corporation of Massachusetts.

ROSEMERE

For Molasses.
Claims use since Oct. 1, 1910.

Reg. No. 295,077. Registered June 14, 1932. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

VIANDAROME

For Chemical Compounds Suitable for the Flavoring of Food Products and Chemical Preparations Suitable for the Flavoring of Food Products.
Claims use since Oct. 29, 1931.

Reg. No. 296,708. Registered Aug. 16, 1932. Florida Citrus Exchange, Tampa, Fla. Republished by Indian River Citrus Sub-Exchange, Cocoa City, Fla., a corporation of Florida.

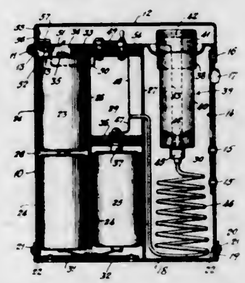
FLORIGOLD

For Fresh and Canned Citrus Fruits and Juices.
Claims use since Dec. 18, 1919.

REISSUES

DECEMBER 4, 1951

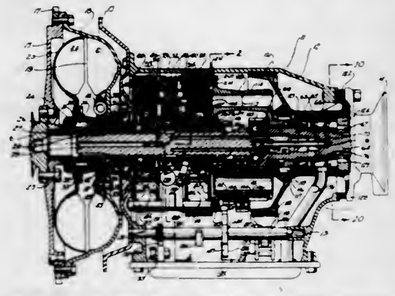
23,435
CIGAR AND CIGARETTE LIGHTER
Aaron Bakst, Flushing, and Simon L. Ruskin, New York, N. Y.
Original No. 2,516,843, dated August 1, 1950, Serial No. 593,348, May 12, 1945. Application for reissue March 19, 1951, Serial No. 216,318
5 Claims. (Cl. 219—32)



5. A portable cigar and cigarette lighter comprising a casing divided into laterally disposed compartments, a self-contained source of electric current fixedly located in one of said compartments, an electric resistance element disposed in another compartment in insulated relation with respect to the casing, electric conductors connecting the resistance element with the current source, a movable contact member controlling the electric circuit and means for causing the contact member temporarily to close to effect heating of the resistance element, said electric resistance element being manually removable from the casing, the electrical conductors between the resistance element and the current source including means to enable the said element to be removed a considerable distance from the casing, said last means being disposed within one of the compartments when the resistance element is in position in the casing.

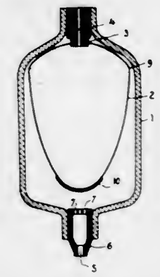
23,436
AUTOMATIC TRANSMISSION
Eugene J. Farkas, Laguna Beach, Calif., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Original No. 2,528,584, dated November 7, 1950, Serial No. 611,975, August 22, 1945. Application for reissue December 16, 1950, Serial No. 201,167
20 Claims. (Cl. 74—732)

1. In a variable speed power transmission, in combination, a power shaft and a load shaft and a main shaft axially arranged, a [fluid coupling] *hydrokinetic unit* comprising a power receiving element fixed for rotation with said power shaft and a power delivery element having a one-way driving connection with said main shaft, a planetary gearing system including planet pinion gears mounted on a planet carrier rotatably supported about the axis of said shafts and respectively meshing sun gears, selectively operable torque reaction means associated with said planet carrier for obstructing rotational movement of said planet carrier in one direction, an intermediate rotatable power transmitting member including one of said sun gears, a second sun gear on said main shaft, a third sun gear on said load shaft, manually operable means to secure said power transmitting member against rotation, first clutch means to fix said power



transmitting member for rotation with said power shaft, a second clutch, means connecting said second clutch to said power transmitting member, means also connecting said second clutch to said planet carrier, and means for operating said second clutch means only concurrently with said first clutch means.

23,437
OLEOPNEUMATIC DEVICE
Jean Mercier, New York, N. Y.
Original No. 2,256,835, dated September 23, 1941, Serial No. 335,385, May 15, 1940. Application for reissue August 23, 1950, Serial No. 180,950.
In France June 16, 1939
1 Claim. (Cl. 267—64)

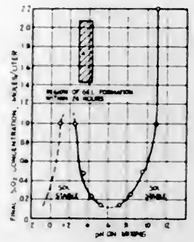


13. A pressure accumulator comprising a rigid, substantially cylindrical container having a pair of axially aligned ports at the respective ends thereof, lying on the axis of said cylinder, a deformable, resilient, substantially conical bag in said container in communication with one of said ports and fixed in said container so as to extend axially thereof, said bag having a greater cross section near the fixed end thereof than at its free end and when in substantially non-distended condition, having its side wall adjacent the fixed end thereof closely adjacent the wall of said container and its side wall near the free end thereof spaced from the wall of said container by a dis-

tance substantially greater than that between the side wall of the bag adjacent its fixed end and the adjacent wall of said container, the distance between the side wall of the bag and the wall of the container from near the fixed end of the bag to near its free end being progressively increasing, whereby upon collapse of said bag and subsequent expansion thereof during the operation of the accumulator the free end of said bag will not rub against the wall of said container.

23,438
PREPARATION OF SILICA-ALUMINA CRACKING CATALYST
Lloyd B. Ryland, El Cerrito, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Original No. 2,565,886, dated August 28, 1951, Serial No. 175,528, July 24, 1950. Application for reissue October 10, 1951, Serial No. 250,622
7 Claims. (Cl. 252—453)

1. In the preparation of a silica-alumina cracking catalyst the improvement which comprises (1) preparing a silica sol containing at least 85 grams SiO_2 per liter by mixing a sodium silicate solution with a sulfuric acid solution under acid conditions with a final pH between 2.8 and 4.1, (2) aging said sol at a pH in said range for a time which is at least 0.5 but less than 1 times the time of set of said sol, (3) at said time diluting the sol with water at a rate to maintain the viscosity substantially constant, (4) then increasing the pH up to about pH 7 by the addition of an alkali while adding water at a rate to maintain the viscosity substantially constant, (5) adding a concentrated solution of aluminum sulfate in an amount sufficient to provide between 18% and 30% Al_2O_3 on the dry basis, (6) hydrolyzing the aluminum sulfate by the addition of a basic precipitant until the pH is between 5 and 7, and (7) washing and drying the product.



PLANT PATENTS

GRANTED DECEMBER 4, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,049
HYBRID TEA ROSE PLANT
Nicholas Grillo, Milldale, Conn.
Application January 3, 1950, Serial No. 136,457
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant of the general Briarcliff type, substantially as herein shown and described, characterized particularly by its strong growth; long strong stems; prolific production of bloom; pointed, well-shaped buds; and brilliant pink color and large size of bud and flower.

PATENTS

GRANTED DECEMBER 4, 1951

2,576,909
COAGULATION OF SYNTHETIC RUBBER LATICES
James W. Adams, Seymour, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 23, 1950, Serial No. 163,790
6 Claims. (Cl. 260—85.1)

1. The method of coagulating a butadiene polymer synthetic rubber latex containing up to 100 parts of carbon black per 100 parts of synthetic rubber content and containing an anionic surface-active dispersing agent of the general formula $R—SO_3M$ where M represents an alkali radical and R represents an organic radical containing at least one group having more than 8 carbon atoms, which comprises flocculating the latex by means of water-soluble material of the group consisting of acids, polyvalent metal salts, acids and polyvalent metal salts, and acids and alkali salts, and in addition a cationic surface-active agent containing an organic group having 10 to 20 carbon atoms.

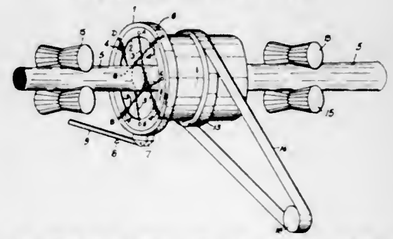
2,576,910
PROCESS FOR THE GELATINIZATION OF CELLULOSE ACETATE
Richard D. Dunlop, Dickinson, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 28, 1948, Serial No. 51,651
5 Claims. (Cl. 106—177)

1. A process for the gelatinization of cellulose acetate containing from 51% to 57% combined acetic acid which comprises mixing the cellulose acetate for from 3 to 30 minutes at from —20° to —50° C. with at least one organic compound which is a solvent for the cellulose acetate and, before gelatinization occurs, raising the temperature of the mixture rapidly to +15° C. and continuing the mixing at temperatures above +15° C. to bring about gelatinization.

2,576,911
METHOD OF MAKING CELLULAR THERMOPLASTIC PRODUCTS
James L. Amos, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 17, 1950, Serial No. 139,130
9 Claims. (Cl. 18—55)

1. In a method wherein a solid cellular thermoplastic article is made by forming, at superatmospheric pressure, a flowable gel comprising a benzene-soluble thermoplastic vinyl aromatic resin having a normally gaseous monoalkyl halide dissolved therein and extruding said gel at temperatures between room temperature and 120° C. through an orifice into a zone of lower pressure, whereupon the extruded material expands to form a cellular product, the step of incorporating with the gel, prior to its extrusion, from 0.5 to 25 per cent by weight of ammonia, based on the weight of the monoalkyl halide.

2,576,912
ROTATABLE HOLLOW-HEAD DEBARKER MOUNTING FLEXIBLE BARK-REMOVING ELEMENTS
Johan Åström, Nyhamn, Sweden, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden, a corporation of Sweden
Application February 26, 1945, Serial No. 579,749
In Sweden March 1, 1944
8 Claims. (Cl. 144—208)



3. A barking machine comprising means for axially moving a log to be debarked, a structure rotatable about said log axis, means engaging and rotating said structure, at least one flexible member secured at spaced points thereof to said structure, and means for yieldably tensioning an intermediate portion of the flexible member against the log, said structure comprising two parts which are relatively movable in circular concentric paths around said log axis and an end of the flexible member being attached to each of said parts.

2,576,913
DETERGENT COMPOSITIONS
William Baird and Gerald Patrick Crowley, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 21, 1946, Serial No. 711,472. In Great Britain December 5, 1945
2 Claims. (Cl. 252—152)

1. A detergent composition consisting essentially of an alkyl phenol-ethylene oxide condensation product mixed with from 5 to 400% by weight of said condensation product of a β-monohydroxyethylamide of a fatty acid containing 9 to 19 carbon atoms, said condensation product being the reaction product of an alkyl substituted phenol in which the alkyl group contains from 8 to 12 carbon atoms and 8 to 15 molecular proportions of ethylene oxide.

2,576,914
COATED PAPERS AND METHODS AND COMPOSITIONS FOR PREPARING SAME
Gerald R. Barrett, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 28, 1948, Serial No. 12,143
18 Claims. (Cl. 117—155)

7. A coating composition for paper comprising (1) a pigment; (2) a water-soluble salt of a copolymer of 1 to 1.5 molecular proportions of

styrene with the reaction product of 1.0 to 0.4 molecular proportion of an aliphatic monohydric alcohol and 1 molecular proportion of maleic anhydride; (3) from 10 to 100% by weight, based on said salt, of a substance selected from the group consisting of unsaturated fatty acid having at least 12 carbon atoms, water-soluble salts of such fatty acids and mixtures thereof; and (4) water.

2,576,915
METHOD OF SIZING YARNS AND COMPOSITION THEREFOR
Gerald R. Barrett, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 29, 1948, Serial No. 24,112
14 Claims. (Cl. 260—29.6)

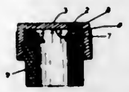
1. A method of sizing nylon yarn and other textile yarn having elastic characteristics similar to nylon yarn whereby the sized yarn is characterized by a tough, smooth coating which does not substantially shed or dust during a subsequent weaving operation, which comprises applying to said yarn an aqueous solution comprising (1) an alkali metal salt of a copolymer of ethylene α,β-dicarboxylic compounds selected from the group consisting of maleic acid, fumaric acid, maleic anhydride and alkyl acid esters thereof, in which the alkyl group contains from 1 to 3 carbon atoms, and mixtures thereof with a polymerizable vinyl aromatic hydrocarbon selected from the group consisting of styrene, methyl styrenes and chloro styrenes and (2) a polyalkylene glycol plasticizer for said alkali metal salt selected from the group consisting of polyethylene glycols and polypropylene glycols, and drying said yarn preparatory to weaving same.

2,576,916
FRIT COMPOSITIONS FOR VITREOUS ENAMELS
Malcolm D. Beals, Plainfield, and Laurence R. Blair, New Brunswick, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 10, 1950, Serial No. 178,754
2 Claims. (Cl. 106—48)

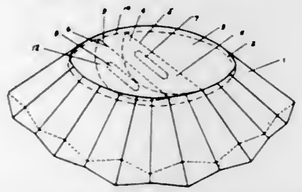
1. A frit composition capable of forming a vitreous enamel which matures at temperatures between 650° C. and 825° C. which comprises from 6% to 12% TiO_2, 18% to 37% P_2O_5, 19% to 39% Al_2O_3, 7% to 37% B_2O_3, 14% to 23% alkali metal oxide; the sum of the alkali metal oxide and the P_2O_5 equal to 58% to 85% of the sum of the alkali metal oxide, the P_2O_5 and the B_2O_3; when the B_2O_3 is less than 22%, the Al_2O_3 must be at least 23%; when the B_2O_3 is at least 22%, the P_2O_5 must be less than 31%; the alkali metal oxide selected from the group consisting of Na_2O and Na_2O in combination with K_2O and Li_2O; the K_2O in amount to replace up to 60% of the Na_2O; the Li_2O in amount to replace up to 20% of the Na_2O.

2,576,917
LINERLESS VENTING CLOSURE
Joseph A. Benner, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application September 30, 1948, Serial No. 51,993
6 Claims. (Cl. 215—56)

1. A linerless closure comprising a skirt having means for affixing the closure to a container and a top portion including a rigid central portion of substantial thickness having extending radially therefrom a plurality of reinforcing ridges terminating in an annular section of substantially equal thickness and a plurality of resilient and flexible segments which have a minimum thickness of less than one half the maximum thickness of said central portion, whereby upon the application of pressure to the undersurface of said closure at least one of said segments is forced upwardly to return to its original position upon release of said pressure.



2,576,918
SUN AND STORM SHIELD
Gustave S. Berman, New York, N. Y.
Application May 4, 1946, Serial No. 667,286
6 Claims. (Cl. 135—19.5)



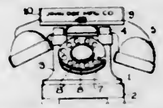
6. A portable storm and sun shield made of stiff, water-resistant material consisting of a non-collapsible, cone-shaped covering, said covering being large enough to cover a person; and means attached, preferably centrally on the under-side of said shield for stiffening and reenforcing the same, said means consisting of an additional sheet of stiff, water-resistant material smaller in size than that of the covering, said means having incorporated therein a grip for holding said shield.

2,576,919
NATURAL APPLE PRESERVING METHOD
Adam J. Borck, Canon City, Colo.
No Drawing. Application September 17, 1948, Serial No. 49,850
9 Claims. (Cl. 99—154)

1. A method of preserving fresh apples in their natural state, which comprises packing apples in a container in a layer interposed between sheets of relatively thick moisture absorbent paper impregnated with a solution of salt and honey, which solution has been treated by intimate contact with carbon so as to induce a vapor interchange between individual apples and the contained solution of the paper during the normal breathing of the apple.

2,576,920
LIGHTING EQUIPMENT
William L. Burkhart, Long Beach, Calif.
Application January 21, 1948, Serial No. 3,470
7 Claims. (Cl. 40—132)

1. A lighting equipment adapted to be mounted on a support to illuminate a portion thereof and comprising an elongated casing consisting of an inner section formed of opaque material and provided with means for engaging the support and having bottom, side and end walls and an outer section of arcuate shape in cross section and formed of light-transmitting material, the opposite ends of said outer section being in seating relation to said end walls and the opposite longitudinal side edges of said outer section and the respective corresponding longitudinal side edges of the side walls of said inner section being provided with detachable, complementary interlocking unitary means to removably connect said sections together, electrical illuminating means



within said casing and arranged to support a light bulb intermediate the ends of the latter, that side of said casing adjacent the portion of the support to be illuminated, intermediate the ends of said casing, being formed with a window through which light rays emitted by the bulb are projected, a light-modifying medium removably disposed within said casing between said outer section and the bulb, and manipulatable means on the remote side of said casing for controlling said illuminating means to light the bulb.

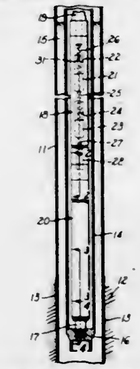
2,576,921
PROCESS FOR PRODUCING AN INK-RECEPTIVE SURFACE ON TRACING CLOTH
John H. Buscher, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Interior
No Drawing. Application November 24, 1948, Serial No. 61,901
1 Claim. (Cl. 117—164)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process for producing an ink-receptive but non-abrasive surface on tracing cloth, which comprises treating such material with a mixture of about two grams arrowroot starch, one ounce gelatin by weight, one-fourth ounce alum by weight, one ounce alcohol by volume, one ounce formaldehyde by volume as 37% formalin and water to make one quart, and drying the thus-treated tracing cloth.

2,576,922
ELECTRODEPOSITION WITH NICKEL
Etienne L. A. Camin, New York, N. Y., and Sven E. Hybinette and Herbert B. Taylor, Wilmington, Del., assignors, by mesne assignments, to Kenmore Metals Corporation, a corporation of Delaware
No Drawing. Application June 26, 1946, Serial No. 679,558
12 Claims. (Cl. 204—49)

1. A method for producing a relatively ductile nickel plating on a metal base which comprises passing a current of less than 250 amperes per square decimeter from a nickel anode to the metal base to be plated through a bath formed essentially from a nickel compound, hydrofluoric acid, boric acid and water, said hydrofluoric acid reacting with said nickel compound to form a complex nickel fluoride, said hydrofluoric acid being present in a quantity in excess of that required to convert said nickel compound to said complex nickel fluoride, said bath containing at least 30 grams of nickel metal per liter, said excess hydrofluoric acid giving said bath a pH of more than 1 and less than 6, the anions of said bath comprising essentially fluorides and borates.

2,576,923
FLUID OPERATED PUMP WITH SHOCK ABSORBER
Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application April 3, 1948, Serial No. 18,768
23 Claims. (Cl. 103—46)



1. In a fluid operated pumping unit, the combination of: a source of a first fluid at a substantially constant pressure level; a receiver for a second fluid to be pumped; a pump adapted to be operated by the first fluid to pump the second fluid; a shock absorber connected to said pump and having movable fluid separating means therein; first passage means communicating between said source and said shock absorber for admitting the first fluid into said shock absorber on one side of said fluid separating means; and second passage means communicating between said receiver and said shock absorber for admitting the second fluid into said shock absorber on the opposite side of said fluid separating means.

2,576,924
FLUID OPERATED PUMP WITH HYDRAULIC SHOCK ABSORBER
Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application May 11, 1948, Serial No. 26,305
30 Claims. (Cl. 103—46)



1. In a fluid operated pumping unit, the combination of: a pump adapted to be operated by a

first fluid under pressure to pump a second fluid under pressure; a shock absorber provided with movable fluid separating means therein; means for admitting the first fluid into said shock absorber on one side of said fluid separating means; means for admitting the second fluid into said shock absorber on the opposite side of said fluid separating means; and means in said shock absorber for applying to at least a portion of one of said sides of said fluid separating means a fluid pressure exceeding the pressures of the first and second fluids.

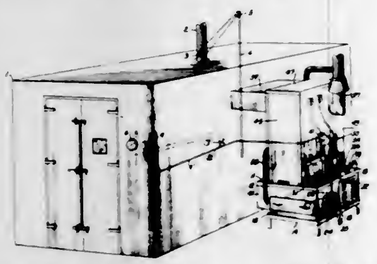
2,576,925

METHOD AND APPARATUS FOR SMOKING AND TENDERIZING MEAT PRODUCTS

Clyde E. Dillon, Kansas City, Mo., assignor, by mesne assignments, to Raymond H. Starr, Kansas City, Mo.

Continuation of application Serial No. 689,685, August 10, 1946. This application December 4, 1948, Serial No. 63,558

4 Claims. (Cl. 99—259)



1. A housing having a treating chamber, a casing separate from the housing, circulating ducts connecting the casing with the housing for circulating an air and smoke mixture from the casing through the treating chamber back to the casing, means in the casing for heating the mixture, separate means in the casing for generating smoke, a fan in the casing for maintaining said circulation and drawing smoke from the smoke generator for addition to said mixture, means for controlling operation of the heating unit, means in the path of the heated mixture to actuate said control means, a circuit including the fan and said burner control means, a switch in said circuit, and a fuse element controlling said switch and located in the path of said mixture.

2,576,926

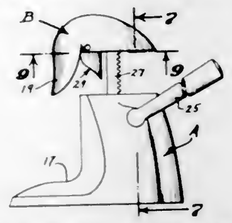
CONTAINER OPENER

Joseph B. Donnelly, Burlingame, Calif., assignor to Schenley Industries, Inc., a corporation of Delaware

Application October 25, 1948, Serial No. 56,278

3 Claims. (Cl. 30—5.5)

1. A can opener for cutting an opening in the top of a cylindrical can of predetermined size and shape comprising a base member, a can receiving recess provided in said base member having a rear wall arcuate in cross-section to conform substantially in size and contour to portions of a cylindrical can of predetermined size and shape adapted to be positioned in said recess, a head member disposed over said can receiving recess and movable toward and away from said recess, means to move said head member, a cutter blade substantially semi-circular in cross-section depending from said head member adjacent the back thereof, a shield substantially semi-circular in cross-section disposed oppositely to said cutter blade and depending from the front part of said head member, the midpoint of the arc of said semi-circular blade and the midpoint of the arc of said semi-circular shield disposed diametrically opposite one another and spaced from one another a distance equal approximately to the diameter of the can which is adapted to be cut, said shield shaped to conform substantially in size and contour to portions of said cylindrical can, the bottom portion of said



shield flared slightly outwardly and projecting downwardly below the bottommost point of said cutter blade, said blade arranged to cut an opening in the top of a said can inserted in said can receiving recess when said head member is moved thereagainst, the said flared bottom of said shield arranged to engage a part of said can and in cooperation with portions of the base member defining said can receiving recess guide said can into cutting position within said can receiving recess when said head member is moved thereagainst.

2,576,927

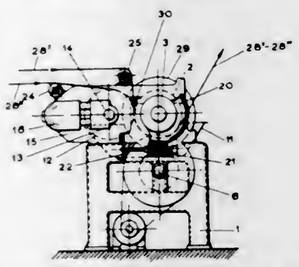
DYE PADDER HAVING VERTICALLY OR HORIZONTALLY DISPOSED SQUEEZE ROLLS

Julien Dungler, Basel, Switzerland

Application October 7, 1947, Serial No. 778,371

In France October 9, 1946

4 Claims. (Cl. 68—22)



2. A universal padder comprising a pair of engaging pressure rollers, driving means operatively connected to one of said pressure rollers whereby rotation may be imparted to said pair of pressure rollers, a shaft for said one pressure roller, sealing means on said shaft and abutting against said one roller, said sealing means extending beyond said one pressure roller for contact with said other pressure roller, and means positioned adjacent said one pressure roller and adapted to move the latter about the axis of said shaft for shifting said other pressure roller from one position in which said rollers are engaged in superposed relation to each other to another position in which said pressure rollers are disposed in side-by-side relation to each other.

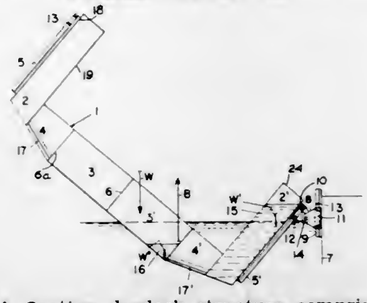
2,576,928

FLOATING DRY DOCK

Gunnar C. Engstrand, New York, N. Y., assignor, by mesne assignments, to Frederic R. Harris, Inc., New York, N. Y., a corporation of New York

Application November 26, 1949, Serial No. 129,680

2 Claims. (Cl. 114—45)



1. A floating drydock structure comprising a pontoon hull, said hull having a centrally longitudinally-extending bulkhead, a longitudinally-extending bulkhead disposed on each side of said first bulkhead and spaced from the sides of the hull, said bulkheads forming a pair of watertight flooding chambers adjacent said central bulkhead, wing chambers adjacent each side of said pontoon hull, each of said wing chambers including spaced inner and outer side walls extending from the bottom of the pontoon hull and above the top thereof, the inner walls of said wing chambers cooperating with said longitudinal bulkheads to form buoyancy chambers of such size so as to support the drydock when said wing chambers and said flooding chambers are filled with water and means attached to one of said outer side walls and adapted to cooperate with a support for holding said drydock in tilted position relative to the support, said wing chambers and said flooding chambers being so proportioned that when one wing chamber and both flooding chambers are substantially empty and the other of said wing chambers is substantially filled with water, there is produced an asymmetrical loading within the said structure, which by reason of the displacement of the buoyancy of the structure effects a tilting thereof about said means to thereby expose more than one half of the bottom of the pontoon hull above the surface of the water of floatation.

2,576,929

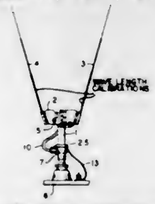
DIRECTION FINDING DEVICE

Michael Ercolino, Wanamassa, N. J., assignor to the United States of America as represented by the Secretary of the Army

Application September 2, 1949, Serial No. 113,891

14 Claims. (Cl. 343—113)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A direction-finding antenna device comprising, two antenna elements combining to form a dipole antenna, each of said elements being respectively coupled to an input terminal of a radio receiving apparatus, and a switch, one of said antenna elements being coupled through said switch to its respective terminal, said switch upon being operated serving to include a resistance in series with said one element.

2,576,930

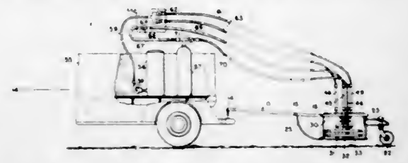
DEVICE FOR SETTING BACKFIRES

Ambrose B. Everts, Seattle, Wash.

Application April 22, 1947, Serial No. 743,212

2 Claims. (Cl. 126—271.2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for setting and controlling back fires comprising a vertically positioned baffle, a flame thrower positioned on one side of the baffle to throw a flame downwardly and sideways from the baffle onto the ground, a water sprayer positioned on the other side of the baffle for forming a spray of water and throwing it downwardly and sideways from the baffle onto the ground, and a land vehicle for conveying the baffle, flame thrower and water sprayer through a field of combustible material with the flame thrower and water sprayer in operation, whereby a fire is set to the combustible material on the ground on one side of the baffle as the device is moved along and at the same time the combustible material on the other side of the baffle is water soaked so that the fire is extinguished on the water-soaked side but allowed to progress on the other side, the baffle, flame thrower and water sprayer being so mounted on the land vehicle that the flame thrower and water sprayer may be readily interchanged in position relative to the land vehicle, whereby with the land vehicle moving forward the fire may be set on either side thereof depending on the position of the flame thrower and water sprayer, said device being characterized in that the flame thrower and water sprayer are fixedly mounted on the baffle, the baffle has vertical edges, and the land vehicle has trough-shaped guides into which the vertical edges are slidably mounted, whereby the baffle may be reversed in position thus to make readily interchangeable the position of the flame thrower and water sprayer.

2,576,931

SYNTHESIS OF HYDROCARBONS IN THE PRESENCE OF A FLUID PHASE CATALYST

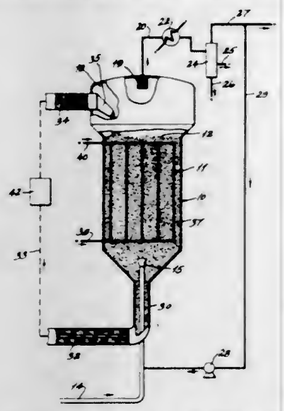
Paul W. Garbo, Freeport, N. Y., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey

Application June 25, 1949, Serial No. 101,403

5 Claims. (Cl. 260—449.6)

1. In the production of hydrocarbons, oxygenated hydrocarbons and mixtures thereof by the passage of a synthesis gas comprising essentially hydrogen and carbon monoxide in contact with a fluidized mass of hydrocarbon synthesis catalyst particles in a vertically extending reaction zone at an elevated reaction temperature, wherein the synthesis gas is introduced into the bottom por-

tion of the fluidized mass and passed upwardly therethrough, and wherein the gasiform stream emerging from said mass is treated for the recovery of desired products of reaction, the improvement which comprises continuously withdrawing highly active catalyst particles from the bottom portion of said fluidized mass, continuously reintroducing the withdrawn catalyst particles into the reaction zone in the vicinity of the



upper surface of the mass where the reactants of said synthesis gas have been largely consumed, and effecting said catalyst withdrawal and elevation to the point of reintroduction under conditions such that the catalyst is substantially unaltered and at a rate such that the catalyst mass moves downwardly through the reaction zone with a linear velocity at least about twice that of the gases passing upwardly through the reaction zone.

2,576,932

FERMENTATION PROCESS FOR PRODUCTION OF VITAMIN B_{12}

John A. Garibaldi, San Francisco, Kosuke Ijichi, Berkeley, and James C. Lewis, Oakland, Calif., and James McGinnis, Pullman, Wash., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application February 1, 1950, Serial No. 141,832

7 Claims. (Cl. 195—96)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for preparing vitamin B_{12} which comprises incubating under aerobic conditions a nutrient medium inoculated with a vitamin B_{12}-producing strain of *Bacillus megatherium*.

2,576,933

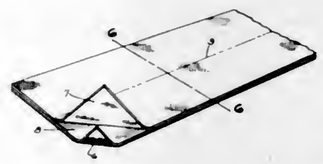
SEALING TAPE FOR TUBULAR BAG BODIES

William J. Geimer, Minneapolis, Minn., and Frank R. Linda, Durham, N. C., assignors to Bemis Bro. Bag Company, Minneapolis, Minn., a corporation of Missouri

Original application October 26, 1942, Serial No. 463,424. Divided and this application May 6, 1946, Serial No. 667,605

1 Claim. (Cl. 154—53.5)

A multi-ply heavy duty sealing tape adapted to provide a flexible closure for flexible-walled paper bags consisting of a ply composed of a coarsely-woven textile material, and a kraft paper ply having a coating of a thermoplastic adhesive on one face thereof for bonding said plies and providing a barrier layer impervious to moisture and chemicals, the remaining face of said paper ply having a coating of a heat-activatable thermoplastic adhesive, the melting point of the



thermoplastic adhesive bonding said plies being higher than the melting point of the thermoplastic adhesive on said remaining face of said paper ply.

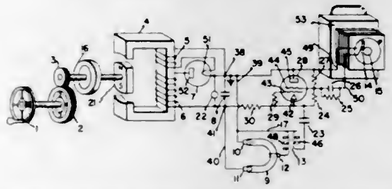
2,576,934

FLASH-PHOTOGRAPHY APPARATUS

Herbert E. Grier, Newton Centre, Mass.

Application May 6, 1946, Serial No. 667,700

11 Claims. (Cl. 315—218)



1. The portable combination of a condenser, a generator having a rotor and a stator one of which comprises a permanent magnet, a manually operable spring motor of predetermined storage-energy capacity, means connecting the spring motor to the rotor, means connecting the generator to the condenser to charge the condenser from the generator, a gaseous-discharge flash lamp comprising a light-transparent vessel containing a gas, an anode and a cathode disposed in the gas and a control electrode, means connecting the condenser to the anode and the cathode, and means for energizing the control electrode to cause the condenser, after it has become charged from the generator, to discharge between the anode and the cathode through the gas to produce a flash.

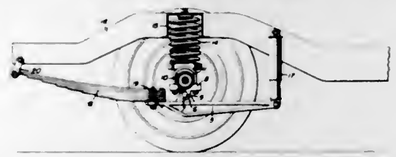
2,576,935

SPRING SUSPENSION FOR VEHICLES

Harold R. Hayes, Saranac, N. Y.

Application April 14, 1950, Serial No. 155,961

3 Claims. (Cl. 267—16)



1. A spring suspension for vehicles comprising a rigid lever, means rockably supporting the lever adjacent one end to a vehicle axle, a shock absorber connecting one end of the lever to a vehicle frame, and a leaf spring connecting the other end of the lever to the frame.

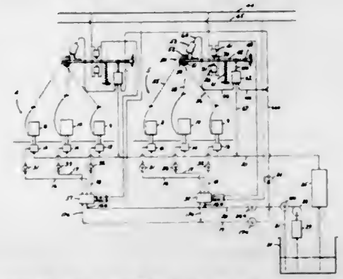
2,576,936

HYDRAULICALLY DRIVEN TWISTING APPARATUS

Robert D. Heffelfinger, Lansdowne, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application April 12, 1949, Serial No. 87,101

16 Claims. (Cl. 57—80)



1. Apparatus for effecting emergency stops and regulating the tension of strands in cord-twisting machines comprising a rotatable element having one annular surface over which the strands are led and an annular braking surface, a lever providing rotatable support for the element at one portion and pivotably supported at another portion, a brake element for engaging the annular brake surface, a fluid-cylinder means mounted on the lever for supporting and applying the brake element, resilient means which engages the lever and opposes the movement of the lever produced by tension in the strands, spaced electrical switching means positioned to limit the movement range of the lever and which are actuated by contact of the lever therewith, solenoid-controlled valve means in electrical connection with the switching means for interrupting the passage of liquid to hydraulic motors used to drive the twisters of the machine, a valve having a controller therefor linked to the lever, said valve having a fluid-receiving portion connected with a fluid supply means maintained at uniform pressure and an adjustable fluid-discharging portion connected with the fluid cylinder and an exhaust port, said fluid-discharging portion responsive to the controller to vary the relative pressure of the liquid entering the exhaust port and the connection with the fluid cylinder.

2,576,937

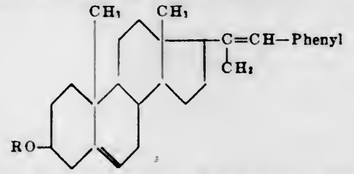
3-SUBSTITUTED-22-MONOPHENYL-BISNOR-5,20-CHOLADIENES AND PRODUCTION OF PREGNENOLONE THEREFROM

Frederick W. Heyl and Milton E. Herr, Kalamazoo, Mich., and Albert P. Centolella, Elkhart, Ind., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application December 4, 1948, Serial No. 63,617

7 Claims. (Cl. 260—397.5)

1. 22-monophenyl-bisnor - 5,20:22 - choladiene represented by the general formula:



in which R is a member of the group consisting of hydrogen, methyl and acetyl radicals.

2,576,938

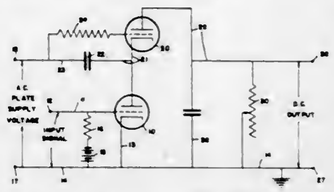
VACUUM TUBE AMPLIFIER

Verl H. Hiatt, Noblesville, Ind., assignor to the United States of America as represented by the Secretary of the Navy

Application March 15, 1949, Serial No. 81,561

13 Claims. (Cl. 332—31)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An alternating current operated amplifier comprising an alternating current supply, a capacitor, a triode tube and a load impedance all connected in series; the capacitor having a relatively high impedance and being connected in the cathode circuit of the triode tube; means for delaying biasing of the grid of the triode in response to the potential across the capacitor comprising the grid input capacity, a high resistance across the capacitor, and the connection of the grid through the high resistance; and means for discharging the capacitor and charging to the opposite polarity on alternate half cycles comprising a second triode with its plate connected to the cathode of the first tube, its cathode connected in a circuit between the load impedance and the alternating current supply, and having the grid thereof adapted to receive input signals.

2,576,939

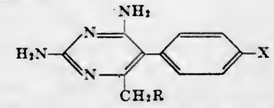
2,4-DIAMINO-5-PHENYL-6-ALKYL-PYRIMIDINES

George H. Hitchings, Tuckahoe, Peter Byrom Russell, Crestwood, and Elvira A. Falco, New Rochelle, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York

No Drawing. Application July 20, 1950, Serial No. 175,004

9 Claims. (Cl. 260—256.4)

1. A 2,4 - diamino-5-phenyl-6-alkylpyrimidine of the formula



wherein X is selected from the class consisting of halogen and the nitro radical and R is selected from the class consisting of hydrogen and alkyl radicals containing from 1 to 4 carbon atoms.

2,576,940

APPARATUS FOR SPLICING RUBBER ARTICLES

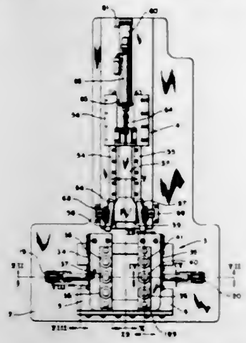
Alfred N. Iknayan and Alfred B. Clayton, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 14, 1949, Serial No. 115,658

17 Claims. (Cl. 154—9)

1. A machine for splicing pieces of rubber comprising, a pair of horizontally disposed carriages moveable axially toward and away from each

other, means on each carriage for clamping the end portions of the rubber to be spliced, a third carriage horizontally movable at right angles to the movement of said pair of carriages, cutting means carried by the third carriage for severing



a portion of the rubber extending from the clamping means to provide freshly exposed surfaces of rubber, and means for advancing the pair of carriages for moving the freshly exposed rubber surfaces into abutting engagement.

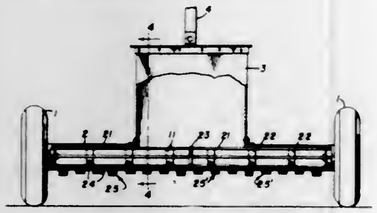
2,576,941

FERTILIZER AND SEED DISTRIBUTOR MACHINE

Edgar J. Ingalls, Zachary, La., assignor, by mesne assignments, to Giraud van Nest Foster, Wilson, La.

Application April 17, 1947, Serial No. 742,049

2 Claims. (Cl. 222—177)



1. In a fertilizer and seed distributor, a housing which has an inlet opening and a hopper disposed in communication with said inlet opening, wheels disposed for rotative movement on said housing, agitators disposed in said housing, said agitators being translatable axially in said housing, means drivingly connecting one of said wheels and said agitators, a thrust bearing disposed between said agitators to limit the axial movement thereof, said housing having a plurality of discharge openings therein, a first group of valves slidably disposed on said housing and in opening and closing relationship with some of said openings, means including a plurality of rods for operating said first group of valves, a second group of valves disposed in opening and closing relationship with the remainder of said openings, a cam mounted for rotation on said housing and engaged by one of said rods limiting the travel of said one of said rods to regulate the movement of said first group of valves, said second group of valves being operable independent of said first group of valves, and said agitator drivingly connecting means including a shaft having a multi-sided end and supported by said housing, a plate having a complemental multi-sided opening forming a part of one of said agitators and disposed on said multi-sided shaft end, and a bar connected to said shaft and said one of said wheels.

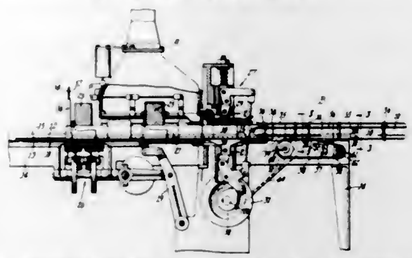
2,576,942

APPARATUS FOR THE CONTINUOUS SPRAYING OF INDIVIDUAL CONTAINER BODIES

John P. Jakob, Roselle, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 6, 1948, Serial No. 37,153

3 Claims. (Cl. 91—45)



1. Apparatus for continuously and successively coating wall portions of container bodies, comprising means for feeding said bodies in longitudinally spaced relation along a support, a conveyor disposed adjacent said support in advance of said feeding means for successively receiving container bodies from the latter, said conveyor having means thereon for successively engaging the rear ends of container bodies delivered thereto by said feeding means to continuously and successively propel said bodies further along said support with each body in contact with a preceding body in end to end abutting relation, said conveyor means through its engagement with the rear end of a succeeding body propelled by said conveyor further serving to propel therethrough the preceding abutted bodies along said support, guide means disposed adjacent said conveyor and engageable with the wall surfaces of the containers for maintaining the abutting containers in alignment, and means disposed in advance of said conveyor and operative upon the preceding abutting bodies not directly engaged by said conveyor for continuously projecting a coating material successively against the walls of said bodies.

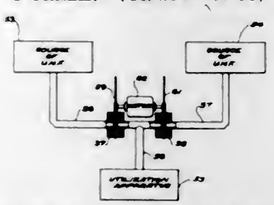
2,576,943

WAVE GUIDE MODULATION APPARATUS

Frederic A. Jenks, Rockville Centre, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application January 31, 1945, Serial No. 575,415

4 Claims. (Cl. 250—33.63)



1. An amplitude modulator of radio frequency oscillations, comprising a first wave guide conduit having a radiating end for emitting said oscillations, a second wave guide conduit having a receiving end disposed opposite and adjacent the radiating end of said first conduit for receiving said oscillations, filter means associated with said conduit ends for inhibiting radiation transversely thereof, rotatable reflector means having an angularly varied reflectivity characteristic, said reflector means being interposed between said conduit ends, said filter means comprising substantially parallel conductive flanges on said conduit ends, at least one of said flanges having a quarter-wavelength deep annular recess or groove surrounding the wave guide end, the faces of said flanges being spaced apart sufficiently to permit said reflector means to pass freely therebetween and forming a wave emergence inhibitor, and motive means for rotating said reflector means to amplitude modulate the oscillations received by said second conduit.

2,576,944

DENTURE COMPOSITION CONTAINING VINYLIDENE CHLORIDE - ACRYLONITRILE COPOLYMER AND METHYL METHACRYLATE MONOMER AND POLYMER

Homer van Beuren Joy, Montclair, N. J., assignor, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application April 30, 1947, Serial No. 745,119

4 Claims. (Cl. 260—45.5)

1. A composition for the production of a denture of high impact strength, low water-absorption and low curing shrinkage when polymerized, said composition consisting of (*a*) an intimate mixture of a copolymer of vinylidene chloride and acrylonitrile in which the copolymer contains from 50 to 90% by weight of vinylidene chloride, and polymeric methyl methacrylate in amount of from 50 to 85% by weight of the intimate mixture, and (*b*) monomeric methyl methacrylate in amount to plasticize the final composition, together with (c) an organic peroxide catalyst.

2,576,945

PLASTIC RUBBER COMPOSITIONS

Walter C. Klingel, Basking Ridge, N. J.

No Drawing. Application December 20, 1945, Serial No. 636,282

4 Claims. (Cl. 154—139)

4. A method for plasticizing plastic compositions containing material selected from the class consisting of natural rubber, chlorinated rubber, reclaimed rubber, polybutadiene, polyisoprene, copolymer of butadiene and methacrylic nitrile, copolymer of butadiene and acrylonitrile, and copolymer of butadiene and styrene to improve the working properties thereof and to produce tackiness therein prior to and during curing and setting reactions, which comprises treating the material with from 1 to 10 percent by weight of gualac resin based on the reacting ingredients in the composition, masticating the admixture to obtain a homogeneous mass and subjecting the mass to heat and pressure sufficient to provide a setting reaction therein.

2,576,946

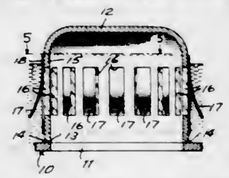
BUBBLE CAP

Henry N. La Croix, Newark, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application June 22, 1948, Serial No. 34,415

8 Claims. (Cl. 261—114)

1. A bubble tray comprising a liquid holding portion with a plurality of openings therethrough, a bubble cap positioned over each of said openings, the cap having a skirt portion normally submerged in liquid on the tray and provided with a plurality of elongated vapor passages therethrough with the longer walls of the passages extending substantially axially of the cap, the passages being arranged parallel to and spaced from one another in a row extending circumferentially of the cap, said vapor passages having spaced opposite elongated sides and spaced opposite ends, and vapor flow controlling means comprising a band of flexible material extending around said skirt of a cap and mounted thereon, the band having a plurality of individual vapor passage controlling members, each one of said members being formed in the band adjacent one of said vapor passages and having a surface thereof which abuts the peripheral surface of the skirt around a passage in a fluid-tight manner, the members having opposite sides and opposite ends



adjacent the opposite sides and opposite ends of the vapor passages but spaced apart a greater distance than said sides and ends of the passages so that the members will close said passages, the vapor flow controlling members being so mounted in respect to the cap that one end is fixed in relationship to the cap and the remainder of the member is movable outwardly from the passage with which it is associated against the tension of said material, the construction and arrangement being such that vapor flow above a predetermined amount within the cap pivots said members on said fixed end thereof to an opened position with respect to the vapor passages with which they individually are associated and tension of said flexible members pivots the members on said fixed end to a closed position with respect to the passages with which they individually are associated upon the decrease of said flow to a predetermined amount.

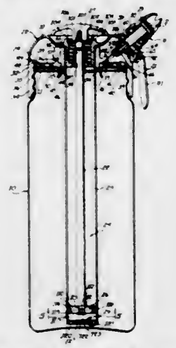
2,576,947

CREAM WHIPPER

Glen M. Larson, Los Angeles, Calif., assignor to Kurt H. Roy, Santa Cruz, Calif.

Application February 1, 1947, Serial No. 725,844

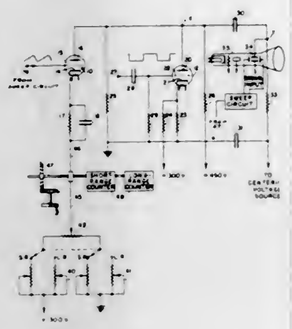
2 Claims. (Cl. 261—30)



1. In a portable device of the character described for aerating a liquid, the combination of:

a container having an open end; a plate spanning said open end of said container and having a plane surface which is provided with a spiral groove therein, said plate having an opening therethrough which communicates with one end of said spiral groove and with the interior of said container; a cap threaded on said open end of said container and having a plane surface which contacts said grooved surface of said plate, said cap having an opening therethrough which communicates with the other end of said spiral groove and with the exterior of said container, said groove in said plate and said openings through said plate and said cap cooperating to provide a processing passage; means providing a gas-tight seal at said open end of said container; manually operable means communicating with the interior of said container for pumping gas thereinto; valve means on said cap for regulating flow of intermixed gas and liquid through said processing passage; and manually operable means for operating said valve means.

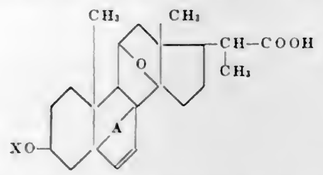
2,576,948
DEFLECTION CIRCUIT
Raymond B. Le Roy, United States Navy
Application March 20, 1945, Serial No. 583,822
9 Claims. (Cl. 315—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a pair of electron discharge devices each having an anode, a cathode and a control electrode, circuit means for connecting said anodes in parallel to a source of potentials and to an output circuit and for biasing the cathodes so that said devices pass current in response to positive potential signals applied to the control electrodes thereof, a first source of alternating non-sinusoidal control voltages applied to the control electrode of one of said discharge devices for establishing anode-current flow during positive excursions thereof to initiate formation of a pulse signal in said output circuit, means for varying the cathode bias of said one discharge device for determining the time current flow is established, a second source of alternating non-sinusoidal control voltages of the frequency of said first source and 180 degrees out of phase therewith, and coupling means applying said second source to the other control electrode for rendering said second discharge devices conducting substantially at the beginning of the positive excursion of said second control voltage to provide a low impedance path to ground for said one discharge device to extinguish said anode-current flow and to terminate formation of said pulse signal.

2,576,949
ADDUCTS OF 9,11-OXIDO-BISNOR-CHOLADIENIC ACIDS
Robert H. Levin, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application December 4, 1948, Serial No. 63,614
9 Claims. (Cl. 260—239.55)

1. An adduct of the group consisting of (*a*) 3-substituted-9,11-oxido-bisnor - 5,7 - choladienic acid adducts having the general formula:



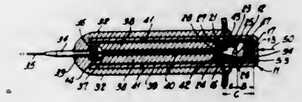
wherein A is an adduct radical of a dienophile selected from the group consisting of maleic acid, maleic acid anhydride, and lower-alkyl diesters of maleic acid, and wherein X is an acyl group selected from the class consisting of lower fatty acid acyl and benzoyl groups, and (*b*) lower-alkyl esters thereof.

2,576,950
PRICE TAG HOLDER
Jack M. Pratt, Oklahoma City, Okla.
Application April 4, 1949, Serial No. 85,463
1 Claim. (Cl. 40—16)



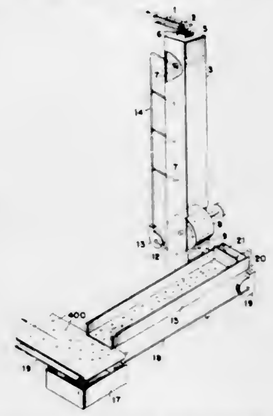
In a price tag holder, a bracket comprising a length of sheet metal material, a portion of the metal at the upper end thereof being bent upon itself providing clamps at the upper and lower edges of the space for positioning over a supporting strip clamping the supporting strip, the intermediate portion of the sheet metal material being bent upon itself along its upper and lower edges providing a space open in a direction opposite to the space at the upper end of the length of sheet metal, defining clamps along the upper and lower edges of the intermediate section in which yieldable price tags are positioned with the ends of said price tags engaged by the last mentioned clamps, holding the price tags in position.

2,576,951
HYPODERMIC SYRINGE ASSEMBLIES, INCLUDING PLURAL-COMPARTMENT ADMIXING AMPOULES FOR SEGREGATED STORAGE OF INGREDIENTS OF LIQUID MEDICINAL SOLUTIONS AND PARTS THEREOF
Marshall L. Lockhart, Rutherford, N. J., assignor to The Compule Corporation, Rutherford, N. J., a corporation of New Jersey
Application September 29, 1950, Serial No. 187,636
11 Claims. (Cl. 128—218)



1. A hypodermic syringe assembly comprising, in combination; an ampule-receptive casing having a longitudinally-extending bore, a plunger post mounted substantially coaxially in the bore and having a piston plug-engaging inner end, and a hypodermic needle to be carried substantially coaxially by said post with the upper end of the former extending beyond the inner end of the latter to provide a piston plug-piercing tip; an ampule for storage of segregated ingredients of liquid medicinal solutions manipulatable to accomplish admixture of the ingredients and telescopically receivable in said casing bore hypodermically to administer the resulting mixture comprising a substantially tubular hypodermic syringe barrel of certain internal diameter throughout the major portion thereof, means closing off one end of said barrel, an internal circumambient seat of less diameter than said barrel diameter located in said barrel between its ends to define between it and said end closing means a medicament storage chamber, an elastic partition plug of a length appreciably less than the length of said medicament storage chamber and of a diameter when relaxed intermediate said barrel and seat diameters to be removably fitted into said seat temporarily to isolate medicament ingredient in said storage chamber from the remainder of said barrel, and a needle-pierceable piston plug of elastic material to be slidably fitted into the other end of said barrel to define between it and said partition plug a liquid storage chamber for temporary isolated storage therein of liquid ingredient, said partition plug being movable into said medicament storage chamber from said seat by application thereto of hydraulic pressure to be developed in said liquid storage chamber with initial advance in the latter of said piston plug to bring the ingredients together for admixture, said partition plug and said piston plug respectively having trailing end and leading end portions adapted to be disposed in opposition to each other with one thereof having a needle-clearance recess therein facing the other end portion; said piston plug being drivable by said plunger post into said medicament storage chamber to bring its leading end substantially to contact with the trailing end of said partition plug when the latter is moved to the far end of that chamber so that most of the mixture solution in the hypodermic administration thereof will be displaced out of said barrel through said hypodermic needle with said plug-piercing tip of the latter pierced through said piston plug and received in said recess.

2,576,952
APPARATUS FOR SPRAY COATING PARTICLES
Edison Lowe and Harold A. Swenson, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
Application April 24, 1950, Serial No. 157,838
4 Claims. (Cl. 91—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

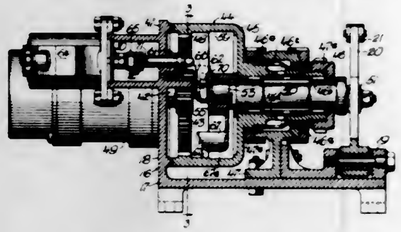


1. A coating apparatus comprising a tower, a series of spray nozzles positioned within and lengthwise of said tower, means for supplying said spray nozzles with a coating liquid, a liquid sump in the lower portion of the tower, means for introducing articles to be coated into said tower at the top thereof, a rotatable drum positioned beneath said spray nozzles, and above the liquid level in said sump, and disposed partly within and partly without said tower, the axis of said drum being transverse to the tower so as to expose the upper surface of the drum to the spray and articles falling through said tower, means for rotating said drum whereby coated articles falling thereon are conveyed out of the tower, a rod extending parallel to the axis of the drum and close to but not in contact with the surface thereof, outside the tower, said rod acting in cooperation with said drum for dislodging coated articles therefrom but not coating liquid, and scraper means within said tower to remove coating liquid from the drum.

2,576,953
ACTUATOR FOR GUN FIRING MECHANISMS
Victor F. Lucht, Washington, D. C.
Application July 14, 1945, Serial No. 605,173
12 Claims. (Cl. 192—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

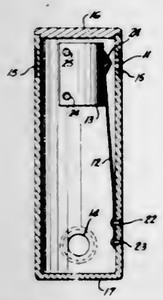
1. An actuator for the firing mechanism of a gun, comprising a support having a wall portion, a drum having an open side positioned adjacent said support wall to form an enclosure therewith and having an opposite, closed side provided with an axial sleeve, means between said support and sleeve for journaling said drum on said support, means on the inner periphery of said drum forming an inner annular clutch track, means forming an internal gear in said drum paralleling said clutch track, means for rotating said drum including a pinion within said drum and meshing with said internal gear, a main shaft journaled in

said sleeve and having its inner end positioned within said drum and having its outer end extending outside said sleeve, means on the inner end of said main shaft providing a stub shaft eccentric to said main shaft, a clutch arm pivoted on said stub shaft and including a clutch shoe engageable with said clutch track, a latch member pivoted on said wall of said support within said drum and having a portion thereof normally engageable with said clutch arm to maintain said clutch shoe out of driving engagement with said clutch track, means movable through said wall of said support for pivoting said latch



member to cause swinging of said clutch arm on said stub shaft for engagement of said clutch shoe with said clutch track, cam means on said arm engageable with said latch member in response to predetermined rotation of said clutch arm with said drum to pivot said latch member for restoring the latter to its initial position so that said clutch arm is pivoted on its stub shaft and said clutch shoe is disengaged from said clutch track, and means at the outer end of said main shaft for connection to the firing mechanism of a gun and operative upon rotation of said main shaft to actuate said mechanism.

2,576,954
AIR VALVE FOR STEAM SYSTEMS
Gustav E. Lucks, Greenfield Park, N. Y.
Application May 28, 1949, Serial No. 95,987
2 Claims. (Cl. 236—66)

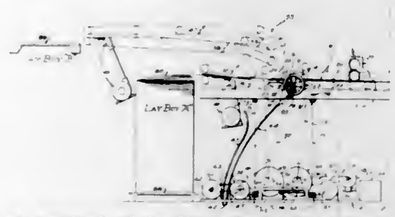


2. An air valve for steam heating systems comprising, in combination, a hollow, elongated, cylindrical body with closed upper and lower ends, the body having an air vent through the side adjacent the upper end, an elongated, bi-metallic element within said hollow body, the element having an integrally formed protuberance adjacent the upper end thereof, means securing the lower end of the element within the hollow body with the protuberance in operable engagement with the vent when the temperature is raised; a second, semi-cylindrical, bi-metallic element within said hollow body adjacent to the upper end thereof, the second element coacting with said protuberance, means securing one edge of the second element to the inner surface of the body, the second element engaging the inner surface of the free end of the first element and pressing the protuberance into the air vent when the temperature is raised.

2,576,955
LOW-WATER-LOSS CEMENT
Norman C. Ludwig, Chicago, Ill., assignor to Universal Atlas Cement Company, a corporation of Indiana
No Drawing. Application October 18, 1946, Serial No. 704,295
8 Claims. (Cl. 260—29.6)

8. A cement composition comprising a Portland cement as the major component, from .025 to 5% of polyvinyl alcohol by weight of cement and a minor proportion of an agent effective to suppress the foam-stabilizing characteristic of polyvinyl alcohol in a cement-water mixture.

2,576,956
FEEDING AND STACKING METHOD AND MACHINE
Louis L. Matthews, Westerly, R. I., assignor to Maxson Automatic Machinery Company, Westerly, R. I., a corporation of Rhode Island
Application January 14, 1949, Serial No. 70,930
43 Claims. (Cl. 271—64)



1. A method of feeding sheets that comprises feeding the sheets to a predetermined region at a predetermined speed, feeding the sheets thereafter beyond the predetermined region along a predetermined direction, reducing the speed of feed of a plurality of the sheets below the predetermined speed prior to their reaching the predetermined region in order to clear the predetermined region of sheets, thereupon transferring the feed of the sheets from the predetermined region along a different predetermined direction, and thereafter increasing the reduced speed of the sheets prior to their reaching the predetermined region.

2,576,957
REFINING OF ANIMAL AND VEGETABLE OILS
Morris Mattikow, New York, N. Y.
No Drawing. Application October 2, 1946, Serial No. 700,830
10 Claims. (Cl. 260—426)

1. The process of refining a crude glyceride oil to precipitate impurities in said oil without substantial attack upon the glycerides of said oil, which comprises, mixing an aqueous refining agent with said oil while said oil is in admixture with between approximately 5% and 25% of volatile organic solvent for said oil based on the weight of said oil, continuously centrifugally separating from the oil and solvent mixture impurities precipitated therein by said refining agent, and thereafter vaporizing said solvent from said oil.

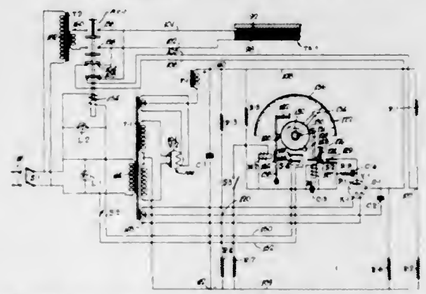
2,576,958
REFINING OF ANIMAL AND VEGETABLE OILS
Morris Mattikow, New York, N. Y.
No Drawing. Application December 4, 1946, Serial No. 713,927
12 Claims. (Cl. 260—426)

1. The process of refining a crude glyceride oil, which comprises, mixing an aqueous refining agent with said oil to precipitate impurities in said oil without substantial attack upon the glycerides of said oil while said oil is at a temperature in the range of approximately 30° and 60° F. and is in admixture with between approximately 5% and 25% of volatile organic solvent for said oil based on the weight of said oil, continuously centrifugally separating from the oil and solvent mixture impurities precipitated therein by said refining agent, said separating being performed at a temperature in said range, and thereafter vaporizing said solvent from said oil.

2,576,959
1,4-BIS-(3-AMINOPROPOXY)-CYCLOHEXANE
Geoffrey Bilson May and James Wotherspoon Fisher, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 3, 1948, Serial No. 42,350. In Great Britain August 22, 1947
1 Claim. (Cl. 260—563)

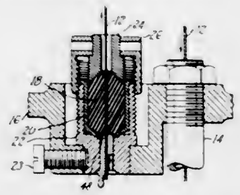
As a new substance, 1:4-bis-(3-aminopropoxy)-cyclohexane.

2,576,960
ELECTRICAL INDICATING TARGET
Frank E. McAvoy, Teaneck, N. J., assignor to John Milton, Jr., as trustee
Application August 8, 1945, Serial No. 609,633
4 Claims. (Cl. 273—102.2)



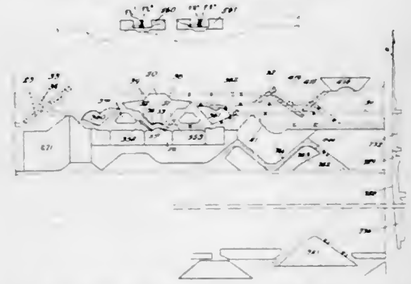
3. In target-shooting apparatus, a target including at least two electrodes formed of spaced apart layers of electrically conductive material and adapted to be momentarily short-circuited by the passage of projectiles in flight through said target to produce electrical target-signals of short duration, substantially instantaneously operable target-signal amplifying means including a grid controlled gas-filled tube having a grid electrode and plate and cathode electrodes, means including an electrical conductor connected directly to said grid electrode to impress signals thereupon corresponding to the target-signals, circuit means for impressing a positive potential on said plate electrode, said tube being adapted to be actuated by said target-signals as received by the grid electrode, indicator means responsive to actuation of said tube to indicate the passage of one or more projectiles through said target, normally closed electrical switch means connected in said circuit means for impressing a positive potential on the plate electrode, and means responsive to firing of said tube and to actuation of said indicator means for momentarily opening said circuit means to deenergize and cut off said tube to set up the system to receive and record the passage of the next projectile through the target.

2,576,961
THREAD WAXING DEVICE
John F. McCarthy, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 8, 1949, Serial No. 86,349
2 Claims. (Cl. 91—53)



1. A thread waxing device having a stripper sleeve formed with one end open and an internal conical perforated wall at the other end into which the thread enters, and a compressor disposed within the open end of the sleeve and formed at the inner end from which the thread emerges with a conical recess of an angle substantially less than the conical angle at the end wall of the sleeve, in combination with a compressible perforated wax stripper plug having in its uncompressed condition tapered ends of substantially different angles of taper corresponding to the conical angles of the sleeve end wall and of the compressor, respectively, and disposed to fit the corresponding ends of the sleeve and compressor.

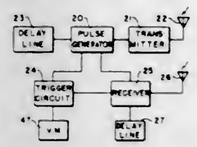
2,576,962
CIRCULAR MULTIFEED HOSIERY KNITTING MACHINE AND METHOD OF OPERATING SAME
John J. McDonough, Belmont, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application April 26, 1948, Serial No. 23,284
58 Claims. (Cl. 66—41)



1. A circular independent needle hosiery knitting machine adapted to knit a stocking with reciprocatory heel and toe all by multi-feed knitting, in which there are a multiplicity of switch cams, a plurality of said cams being adapted to knit in the forward direction and a plurality in the reverse direction, in combination with means

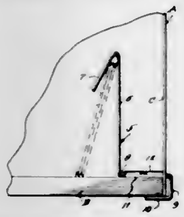
associated with the stitch cams causing selvedge start-up of the stocking while the machine is knitting multi-feed.

2,576,963
RADIO DISTANCE MEASURING SYSTEM
Earl G. Newsom, Dayton, Ohio
Application January 14, 1946, Serial No. 641,161
3 Claims. (Cl. 343—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



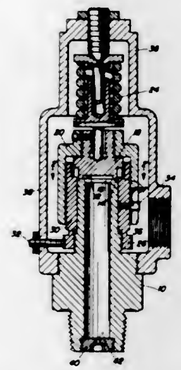
2. In radio distance measuring apparatus, an interrogating system, for use with a system operatively associated therewith for receiving pulses from said interrogating system and transmitting responding pulses, comprising a radiant energy transmitter, a pulse generator for generating a first pulse, said pulse generator being coupled to and triggering said transmitter, signal delay means for deriving a second pulse in response to said first pulse after a given time interval with respect thereto coupled to said pulse generator, said first and second pulses forming an associated pair having a predetermined spacing with respect to time and serving to cause said transmitter to transmit a pair of pulses of radiant energy having said predetermined spacing, a first radiant energy receiver connected to said pulse generator to be rendered operative for a given period in response to said second pulse, means for providing a measure of the time interval between said second pulse and the second pulse of a responding pulse pair received by said first receiver, said last-named means being coupled to said pulse generator and said receiver, signal delay means for rendering said first receiver responsive only to pairs of pulses having a predetermined spacing with respect to time, and an indicator providing an indication of the time interval between said second pulse and the second of a pair of responding pulses coupled to said measure providing means.

2,576,964
MAILBOX POSITIONABLE WIRE LETTER HOLDER
Louis S. Olson, Grafton, N. Dak.; Selmer N. Olson administrator of said Louis S. Olson, deceased
Application October 21, 1949, Serial No. 122,756
1 Claim. (Cl. 232—33)



In combination with a rural mail box having a bottom and a sidewall, a swingable letter holder for installation in the box, said letter holder comprising an elongated swingable element having a bearing portion, a bearing plate secured to the bottom of the box through which the bearing portion is disposed, a hook at one end of the elongated member for engaging letters, said bearing portion being disposed through the sidewall, and stop means on the outer end of the bearing portion to limit movement of the elongated member, said stop means comprising a leg having a stop arm protruding inwardly under the box bottom and for engaging the box bottom when the elongated portion is in upright position.

2,576,965
THIMBLE GUIDE VALVE
William R. Parker, San Francisco, Calif.
Application July 18, 1949, Serial No. 105,437
11 Claims. (Cl. 137—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

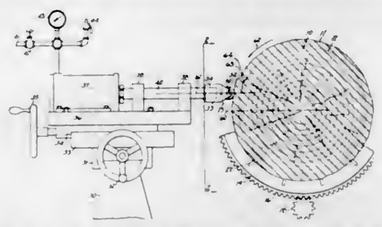


1. A valve assembly comprising a hollow cylindrical valve body having one end open to receive fluid and its other end open to discharge fluid and having a generally annular valve seat formed internally and coaxially thereon intermediate the ends thereof, a thimble of generally cylindrical form disposed over said body in sliding relation thereto and having a disc adapted for engagement with said seat, portions of said thimble being in guiding contact with said body on both sides axially of the seat region while said thimble travels between full open and closed valve positions whereby said disc is effectively guided against undesired cocking off the correct line of travel, and cooperating means on said body and said thimble to prevent substantially any rotation of said thimble relative to said body while permitting relative sliding motion.

2,576,966
METHOD OF BARKING LOGS
Robert D. Pauley and Louis A. McCanna, Longview, Wash., assignors to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
Application August 20, 1946, Serial No. 691,762
9 Claims. (Cl. 144—309)

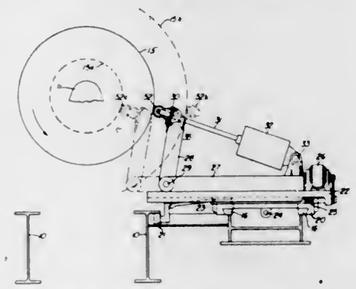
1. The method of barking a log such as used for the production of wood veneer, pulp and the like, comprising impressing against the surface of the bark an approximately radially directed compressive force over an area of small dimensions relative to the diameter of the log to follow the contour of the log, and moving the compressive force

longitudinally and circumferentially of the log, said force being of sufficient intensity to compress



the bark and cause failure of the bond between the bark and the log.

2,576,967
APPARATUS FOR REMOVING BARK FROM LOGS
Robert D. Pauley, Longview, and Louis A. McCanna, Spokane, Wash., assignors to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
Application July 12, 1948, Serial No. 38,336
10 Claims. (Cl. 144—208)

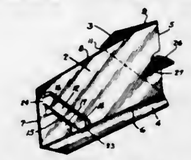


3. A log barking machine comprising means for supporting a log for rotation about its longitudinal axis, a blunt barking tool having small dimensions relative to the diameters of the logs to be barked to follow the contours of irregular logs, means for mounting said tool for relative movement longitudinally of the log and movement approximately radially of the log, and a gas pressure operated cylinder and piston unit for yieldingly holding said tool against the log with substantially continuous steady pressure as the log rotates.

2,576,968
PRESSURE-SENSITIVE ADHESIVES
Charles O. Pike, Highland Park, and Cyrus W. Bemmels, Milltown, N. J., assignors to Industrial Tape Corporation, a corporation of New Jersey
No Drawing. Application February 28, 1945, Serial No. 580,272
9 Claims. (Cl. 260—79.5)

9. A pressure-sensitive adhesive comprising a tacky composition comprising a rubbery copolymer of butadiene and styrene vulcanized from its original leggy state to render the composition substantially devoid of objectionable legginess, by vulcanization substantially to completion, using a minor amount of curing agent, which amount is a minor fraction only of the amount of identical curing agent that would give the composition optimum tensile strength.

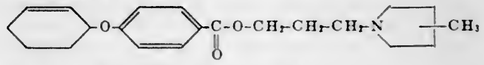
2,576,969
DEVICE FOR DISPLAYING MERCHANDISE
Mauritz C. Ranseen, Minneapolis, Minn.
Application February 19, 1949, Serial No. 77,338
4 Claims. (Cl. 248—35)



1. In a device of the class described, a panel, means for supporting the panel in an upright operative position, a flange portion attached to at least a portion of the lowermost edge of said panel, a narrow elongated opening in said panel extending upwardly from the juncture of said panel and said flange portion toward but short of a side edge of said panel, whereby a sheet-like article may be supported by said panel with a portion of said article positioned within said narrow opening.

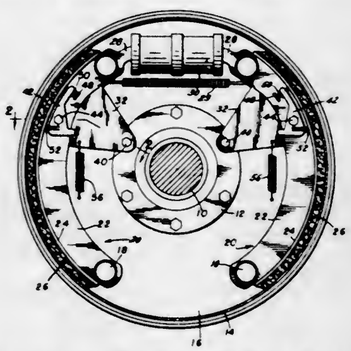
2,576,970
3-(METHYLPYRROLIDYL-1)PROPYL PARA-(DELTA 2)-CYCLOHEXENYLOXYBENZOATES AND SALTS THEREOF
William Bradley Reid, Jr., Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application July 12, 1950, Serial No. 173,480
3 Claims. (Cl. 260—326.3)

1. A compound selected from the group consisting of 3-(methylpyrrolidyl-1)propyl para-(delta 2)-cyclohexenyloxybenzoates, having the following formula:



and acid addition salts thereof.

2,576,971
BRAKE ADJUSTER
Joseph J. Sainz, New York, N. Y.
Application May 6, 1947, Serial No. 746,376
4 Claims. (Cl. 188—79.5)



1. A brake adjuster for use with a brake drum, a brake shoe having web and arcuate flange portions and a fixed back plate, comprising a plate secured to said back plate and having an offset portion, a cam pivoted on said offset portion, a lever pivoted intermediate the ends thereof on said

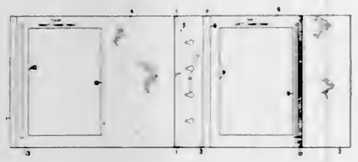
web portion, one of said ends being in frictional engagement with said cam, the other of said ends having a member contacting the inner surface of said flange, spring means to bias said one end outwardly from said flange, and further spring means to bias said cam into engagement with said one end.

2,576,972

COMPOSITE STENCIL AND FOLDER

Ralph W. Sherman, Montclair, N. J.

Application December 17, 1946, Serial No. 716,699
4 Claims. (Cl. 101—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stencil comprising an elongated backing sheet, said sheet having a weakened transverse line dividing it into a first section and a second section, the first section having a row of slots adjacent an edge thereof for engagement with operative elements associated with a duplicating machine, a stencil sheet on each of said sections, each of said stencil sheets being separate and independent of the other and secured along a transverse edge thereof to its corresponding backing sheet section, the stencil sheet of the second section having a transverse weakened line adjacent the edge thereof which is secured to its backing sheet section, the stencil sheet of the first section having a transverse gummed edge opposite the edge thereof that is secured to its backing sheet section, a marginal reference mark carried by the stencil sheet of the first section adjacent the gummed edge and another marginal reference mark carried by the stencil sheet of the second section adjacent the edge thereof that is secured to its backing sheet section, said marginal reference marks being adapted to be placed in registry with each other, whereby said sections with their corresponding stencil sheets may be separated from each other along said first mentioned weakened line, and the stencil sheet of the second section separated from said second section and secured to the stencil sheet of the first section by means of said gummed edge with the marginal reference marks in mutual registry.

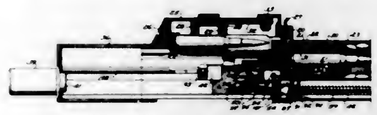
2,576,973

TRANSVERSELY SLIDING BREECH BOLT LOCK FOR AUTOMATIC FIREARMS

Clarence E. Simpson, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War

Application October 29, 1948, Serial No. 57,283
2 Claims. (Cl. 89—187)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a firearm having a receiver, a bolt slidably mounted in the receiver for longitudinal reciprocating movement between a battery position and a recoil position, said bolt having a semi-annular groove on the upper part thereof, an operating slide connected to said bolt, said slide being mounted in the receiver for reciprocal movement, a bolt lock slidably mounted in the receiver and adapted to surround said bolt in the battery position thereof, and means for engaging or dis-



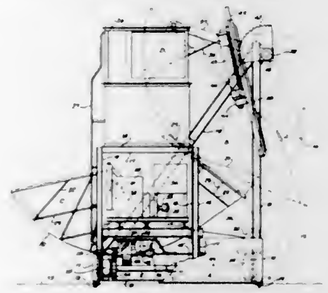
engaging said lock with said semi-annular groove in timed relationship with respect to the relative position of said slide whereby said bolt is locked or unlocked relative to the receiver.

2,576,974

FURNACE CHARGING MACHINE

Arthur Dean Smith and Gustav C. Kobrow, Spokane, Wash., assignors to Kaiser Aluminum & Chemical Corporation, Oakland, Calif., a corporation of Delaware

Application January 31, 1950, Serial No. 141,368
9 Claims. (Cl. 214—18)



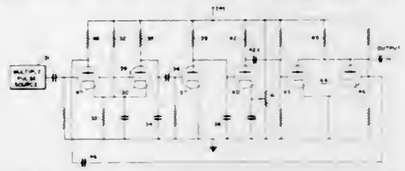
1. Apparatus for charging scrap metal and the like to a melting furnace comprising in combination a truss-type supporting frame including vertically and horizontally disposed beams with diagonally arranged beams extending from said horizontal beams to said vertical beams, a hopper arranged at one end to receive the material and having a chute arrangement at its opposite end for discharging the contents of the hopper, web means connected integrally with the base of the hopper adjacent said chute arrangement and having a portion thereof pivotally connected to upstanding members adjacent the bases of the upright beams of the frame, a pair of extensible carrier arms disposed in pivotal arrangement at the base of said frame, each of said arms being pivotally connected to opposite sides of the hopper, means for actuating said extensible arms to thereby move said hopper through an arcuate path about an axis located at the point where said web means is connected to said upstanding members until the hopper assumes an angle suitable for discharge of the contents thereof, a positively actuated pusher plate pivotally connected to the top of the frame member by means of arm members of a length sufficient to permit the pusher plate to rotate upon actuation in a radial path conforming generally to the contour of the bottom of the hopper when the hopper is in its raised position to thereby facilitate discharge of the contents thereof, and adapted to return to its original position while the extensible arms return to their original positions to thereby cause the hopper to retract into its original position.

2,576,975

PULSE DISCRIMINATOR SYSTEM

Carl Harrison Smith, Jr., Arlington, Va.

Original application December 10, 1945, Serial No. 634,128. Divided and this application September 25, 1950, Serial No. 186,621
2 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



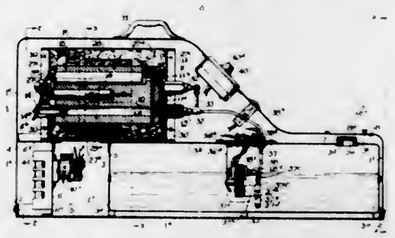
1. A multiple pulse group discriminator for delivering an output signal whenever two pulses of a multiple pulse signal group occur with a desired time spacing, comprising; a first sawtooth voltage generator circuit, means initiating the production of a progressively varying voltage by said first sawtooth voltage generator circuit in response to a first input pulse of the multiple pulse signal group, a second sawtooth voltage generator circuit operably connected to said first circuit for producing a second progressively varying voltage in response to the first input pulse signal, a biased electron tube connected to the output of the second sawtooth voltage generator circuit operative to produce a pulse type timing signal when the second progressively varying voltage reaches a predetermined amplitude after a predetermined period of time, a coincidence establishing system for producing large amplitude signals upon simultaneous application thereto of two separate pulse signals of selected polarity and amplitude, first differentiating coupling means connecting the coincidence establishing system and the biased electron tube, and coupling means including a second differentiating network applying the multiple pulse signal groups to the coincidence system.

2,576,976

VAPORIZING APPARATUS

Hamilton R. Stagner, St. Louis, Mo.

Application February 19, 1949, Serial No. 77,433
16 Claims. (Cl. 219—39)



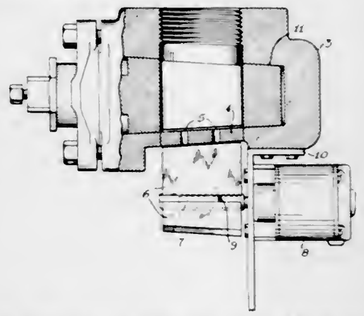
6. In apparatus of the class described, the combination with a housing having an outlet in one side thereof, of a tank for holding a supply of liquid mounted within said housing, a member mounted within said housing and formed of a material having a high co-efficient of heat conductivity, said member being formed with a through opening, a liquid supply connection leading from the interior of said tank and connected to that end of said opening, remote from said outlet, a closure for the opposite end of said opening formed with a discharge port alined with said outlet, a pump for inducing a flow of liquid under pressure through said connection to said opening, an electric motor for driving said pump, an electrical resistance mounted within said member for heating the material of said member to heat the walls of said opening, to effect vaporization of the liquid supplied thereto, a circuit for said motor and resistance connected to a source of electric current supply, and a time controlled switch in said circuit arranged to close the circuit and automatically open the circuit at the end of a predetermined time period.

2,576,977

METHOD OF MAKING FREE-FLOWING CELLULAR PELLETS OF THERMOPLASTIC RESINS

Kenneth E. Stober, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application February 10, 1949, Serial No. 75,556
11 Claims. (Cl. 18—47.5)



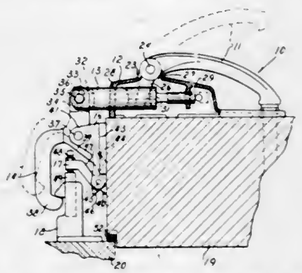
1. A method of making free-flowing cellular pellets of a thermoplastic resin which comprises extruding, at temperatures between 60° and 120° C., a mobile gel consisting of a thermoplastic resin having a normally gaseous agent dissolved therein under pressure through a constricted passageway to a zone of lower pressure, cutting the extruding plastic gel into segments before complete expansion occurs and thereafter causing the severed pieces to fall freely through the air while completing the expansion.

2,576,978

LATCH MECHANISM

Delbert F. Sward, Freeport, Ill., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

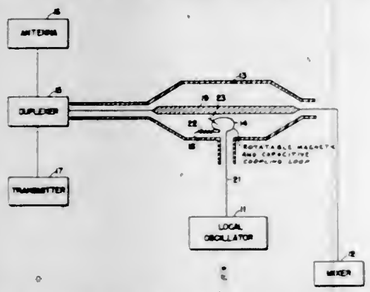
Application August 17, 1948, Serial No. 44,729
5 Claims. (Cl. 292—97)



1. In a closure fastener having a keeper adapted to be mounted adjacent an edge of the

closure member: a latch and operating mechanism comprising a latch element mounted on the closure member in position to engage the keeper to secure the closure member in closed position and having a closure opening portion integral therewith; a latch operating handle mounted on said closure member; a lever pivotal mounted on said closure adjacent said latch element and adapted in closed position of said closure member to overlie a portion of said keeper; and means connecting said latch element and handle and adapted to move said latch element from latched relation with said keeper and force said closure opening portion against said lever to effect initial opening movement of said door.

2,576,979
FREQUENCY CONVERTER EMPLOYING A DIRECTIONAL COUPLING CIRCUIT
Allan G. Thompson, Washington, D. C.
Application March 4, 1946, Serial No. 651,923
2 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, an oscillator, a coaxial line having an inner and an outer conductor, means supporting a coupling loop in said coaxial line between the inner and outer conductors of said coaxial line in magnetic and capacitive coupling relation with said line, means connecting one end of the coupling loop to the oscillator, resistor means connecting the other end of said loop to the outer conductor of the coaxial line, and means for orienting said coupling loop to induce a voltage in said line by magnetic coupling out of phase with that induced by capacitive coupling in the case where the induced wave travels in a given direction along the coaxial line and to induce a voltage by magnetic coupling in phase with that induced by capacitive coupling in the case where the induced wave travels along the coaxial line in the opposite direction.

2,576,980
TEXTILE FIBER DRAFTING ELEMENT AND METHOD OF MAKING SAME
Robert C. Treue, Dayton, Ohio, assignor to The Dayton Rubber Company, a corporation of Ohio
No Drawing. Application October 22, 1949, Serial No. 123,083
8 Claims. (Cl. 260—83.3)

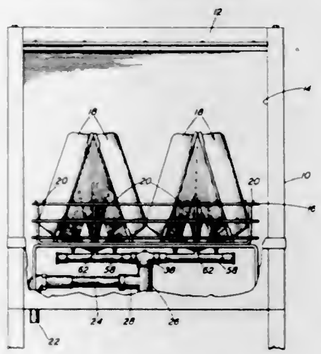
1. A lap-resistant textile fiber drafting element having a fiber working surface comprising a synthetic rubber-like polymerization product of an aliphatic conjugated diene hydrocarbon and having the surface thereof modified by the reaction with an aqueous solution of sulfuric acid containing the dichromate ion, the sulfuric acid concentration being at least about one percent but insufficient to effect substantial deterioration of the rubber-like material, and its dichromate ion concentration being at least about 0.01 mol per liter.

2,576,981
TWISTED WING TIP FIN FOR AIRPLANES
Richard Vogt, Hamburg, Germany
Application February 8, 1949, Serial No. 75,280
7 Claims. (Cl. 244—91)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



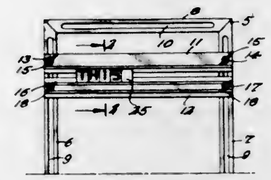
1. An aircraft wing tip construction for utilizing the vortex airflow around the wing tip to produce a forward acting thrust on the wing comprising, airfoil means supported by the wing substantially normal to the wing span and extending above and below the tip of the wing with the surface of the airfoil means twisted to provide an angle of attack with respect to the vortex airflow such that the lift force on the fin has a component producing a forward acting thrust on the wing.

2,576,982
SPRAY DEVICE FOR WASHING MACHINES
Frank G. Walker, Minneapolis, Minn.
Application January 13, 1950, Serial No. 138,344
8 Claims. (Cl. 299—69)



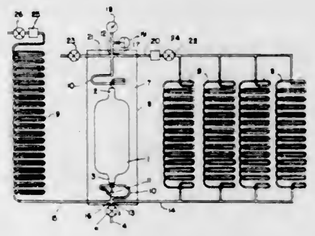
1. A spray device for a washing machine comprising a hollow T positioned with its head extending substantially vertically and its stem connectible with a water supply, a spray arm provided intermediately of its ends with a laterally projecting inlet rotatably mounted axially of and communicating with the upper end of the head of said T, said spray arm being provided with spray discharge ports arranged to rotatably drive said arm as spray is discharged therefrom, and a piston-like closure rotatably mounted within the lower end of the head of said T and fixed to said spray arm for rotation therewith relative to said head of said T.

2,576,983
COMBINATION UTILITY BOARD AND SIGN
William Walker, Pocatello, Idaho
Application October 5, 1945, Serial No. 620,451
1 Claim. (Cl. 40—140)



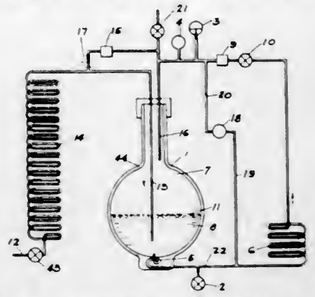
In a utility board and sign, vertical supports laterally spaced from each other, a pair of horizontal supports adjustably connected to the vertical supports and providing a pair of channel sides, one of said horizontal supports having a horizontal groove and a shoulder adjacent thereto, the other of said horizontal supports having a similar groove and a shoulder adjacent thereto, a strip of resilient material in the groove of the other horizontal support and supported by the shoulder of the horizontal support, display elements adapted to fit between the shoulder of the one support and the resilient strip of the other support, said display elements being held in tight engagement therebetween by the resiliency of the resilient strip, backing edges for the display elements spaced from the bottoms of said groove, the groove of the one horizontal support providing space through which an instrument can be extended to lift the display elements from said supports.

2,576,984
HIGH-PRESSURE LIQUID OXYGEN CONVERTER
William A. Wildhack, Arlington, Va.
Application August 9, 1946, Serial No. 689,353
10 Claims. (Cl. 62—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A main liquid container having upper and lower connections, a liquid trap in said lower connection, heat absorption means connected between said upper and lower connections located at least partially below the level of the bottom of said container for vaporizing a portion of the contents thereof and causing a circulation therethrough automatically, a pressure closing valve for stopping said circulation when a predetermined pressure is reached, and delivery means open to the liquid phase in said container for delivering said liquid at said predetermined pressure, said delivery means including an automatic control valve.

2,576,985
LIQUID OXYGEN CONVERTER
William A. Wildhack, Arlington, Va.
Application February 5, 1946, Serial No. 645,692
23 Claims. (Cl. 62—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



19. A high pressure liquid oxygen converter comprising an insulated container having upper and lower connections, a liquid trap in said lower connection, and one or more pressure build-up coils exposed to the atmosphere, connected in parallel between said upper and lower connections, and having a pressure closing valve and a control valve in series near the upper connection, said coils extending downwardly to a level below the bottom of said container.

2,576,986
STRAP CLAMPING AND TENSIONING MEANS
George H. Windsor, Tujunga, Calif.
Original application February 12, 1944, Serial No. 522,179, now Patent No. 2,391,051, dated December 18, 1945. Divided and this application February 13, 1945, Serial No. 577,714
3 Claims. (Cl. 24—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a strap tensioning and securing device, an elongated base plate having opposite parallel side flanges adapted to receive a strap member therebetween, said base plate having a strap receiving slot formed therein extending thereacross between the side flanges, guide slots formed in the side flanges at right angles to the plane of the base plate in a plane passing through the longitudinal center of the slot, an elongated cylindrical strap deflecting roller member having reduced axial extensions at its ends slidably mounted in said guide slots to move between a position spaced from said base plate to a strap deflecting and clamping position substantially midway between the opposite edges of the said strap receiving slot to deflect said strap member into said strap receiving slot and clamp the same between the cylindrical roller member and the edges of the slot, and a camming lever pivoted to the side flanges in a plane passing longitudinally through said strap receiving slot at right angles to the surface of the base plate, said camming lever

having a circular camming surface disposed eccentrically of the pivot of said lever and engageable with the surface of the cylindrical strap deflecting roller member to rotate and cam said last-named roller member into said strap receiving slot upon swinging of said lever in one direction.

2,576,987

FUNGICIDAL COMPOSITION FOR TREATING THE HUMAN SKIN

James A. Wyman, Arlington, Va.

No Drawing. Application July 8, 1948, Serial No. 37,517
5 Claims. (Cl. 167—58)

1. A permanently stable, homogeneous, substantially anhydrous, fungicidal liquid coating composition for the treatment of the skin consisting of:

Tincture of benzoin, U. S. P.	cc.	70
Salicylanilide, C. P	grams	4
Isopropyl alcohol q. s	cc.	100

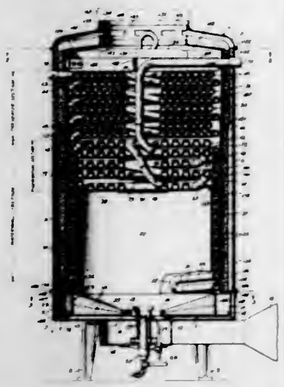
said coating composition being adapted, upon application to the skin, to form a non-tacky flexible coating having said salicylanilide homogeneously dispersed therein and from which coating said silicylanilide is gradually released to act upon the infected area of the skin.

2,576,988

STEAM GENERATING APPARATUS

Perry Arant, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif., a corporation of California

Original application August 6, 1946, Serial No. 688,720. Divided and this application August 6, 1946, Serial No. 688,721
13 Claims. (Cl. 122—250)



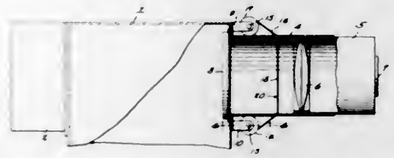
4. Steam generating apparatus, comprising: a base including two substantially horizontal, circular walls spaced apart to provide an air space therebetween, the upper of said walls being smaller in diameter than the lower of said walls; a pair of spaced apart concentric ring members having an air space disposed therebetween and having their lower ends connected with the periphery of said spaced horizontal walls to form an annular continuation of the air space between said horizontal walls; means for forcing air under pressure into the central portion of the air space between said horizontal walls; means interposed between said horizontal walls for deflecting the air, thus introduced, outwardly into said annular air space between said concentric rings; a housing disposed above said base including a shell having insulating material surrounding the same; a jacket lined with insulating material surrounding said shell, with an annular air space between said shell insulating material and said jacket insulating material; and means between said base and housing establishing communication between said annular air space in said base and said annular air space in said housing.

2,576,989

OPERA GLASSES WITH FILM STRIP MOUNTED THEREON

Charles W. Armistead, Shreveport, La.

Application February 23, 1950, Serial No. 145,670
3 Claims. (Cl. 88—34)



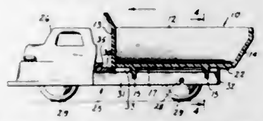
1. In an optical viewing instrument the combination, with an objective lens system, a prism chamber, a barrel, and a positive lens system mounted in said barrel, the barrel having a transverse slot extending through part of its circumference: of bearing means mounted upon the wall of the prism chamber exteriorly thereof and of the barrel, said bearing means being offset from said slot longitudinally of the barrel and being respectively located at opposite sides of the barrel; spools mounted rotatably upon said bearing means at opposite sides of the barrel, said spools being approximately tangent to the barrel; a film strip wound upon the respective spools and extending through the slot across the barrel between said lens systems, the portion of said strip extending across the barrel bearing at opposite ends against an edge of said slot; and means secured to said spools for rotating the spools.

2,576,990

TOY VEHICLE WITH DEMOUNTABLE BODY

Edmund W. Baggott, New York, N. Y., assignor to Ideal Toy Corporation, a corporation of New York

Application September 17, 1949, Serial No. 116,254
7 Claims. (Cl. 46—223)



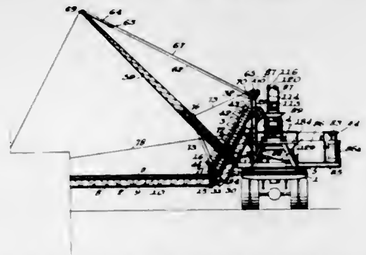
1. A toy vehicle comprising a separable body member and chassis member, said body member having a bottom body wall which has a longitudinal axis and outer side walls and front and rear pairs of tongues, each said tongue having an inner end which is connected to the lower surface of said bottom body wall and being otherwise spaced from same, each said tongue extending outwardly from said inner end, said chassis member having a top support wall which has a longitudinal axis and a substantially rectangular and longitudinally extending cut-away portion, said support wall also having front and rear pairs of openings which communicate with the sides of said cut-away portion, said body member and said chassis member being adapted to be assembled with tongues respectively extended through respective support wall openings and positioned below said support wall and with the inner ends of said tongues laterally positioned between said sides of said cut-away portion and with said bottom body wall abutting said support wall, said body member being then longitudinally movable with respect to said chassis member whereby to move said tongues out of registration with said support wall openings and prevent separation of said chassis member and said body member by relative transverse movement thereof.

2,576,991

APPARATUS FOR HARVESTING PINEAPPLES

Marvin Bainbridge, Kahului, and William P. Tuttle and Henry J. Baldwin, Paia, and Eugene S. Sheffield, Jr., Kahului, Territory of Hawaii, assignors to Maui Pineapple Company, Limited, Paia, Territory of Hawaii, a corporation of the Territory of Hawaii

Application March 22, 1946, Serial No. 656,192
19 Claims. (Cl. 214—83.1)



1. A machine for harvesting pineapples and loading them into the body of a vehicle, involving a main conveyer adapted to extend over the field being harvested on which pineapples are to be placed, said conveyer being mounted adjacent one end thereof to swing about a substantially vertical axis so that it may be positioned with respect to the machine to extend in the desired direction above the field, elevating means for receiving the pineapples from the conveyer and raising them to a level above the top of the vehicle, a distributing conveyer whose inner end is positioned above said conveyer and arranged to receive pineapples discharged from said elevating means, said distributing conveyer being movable about a vertical axis to conduct the pineapples to a point of discharge in proximity to the vehicle body and said elevating means and main conveyer being mounted to swing as a unit about the first mentioned vertical axis.

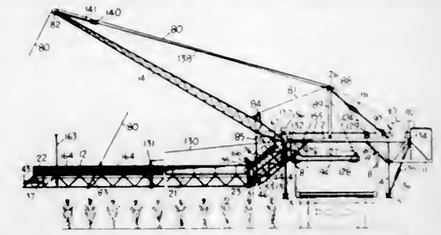
2,576,992

HARVESTING MACHINE

Marvin Bainbridge, Kahului, and William P. Tuttle and Henry J. Baldwin, Paia, and Eugene S. Sheffield, Jr., Kahului, Territory of Hawaii, assignors to Maui Pineapple Company, Ltd., Paia, Territory of Hawaii, a corporation of the Territory of Hawaii

Application August 13, 1946, Serial No. 690,170
5 Claims. (Cl. 214—83)

1. A pineapple harvesting machine adapted to be removably associated with a mobile truck having a body for receiving the pineapples, said machine being adapted to straddle said truck body and having portions engageable therewith for supporting the harvesting machine thereon, conveying mechanism projecting from one side of said frame for delivering pineapples to the truck body including a conveyer extending over a field being harvested, power operating mecha-



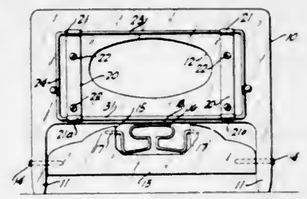
nism mounted on the opposite side of said frame having means connected to said conveying mechanism for operating it, and means also carried by the frame for raising it free of said truck body.

2,576,993

BOOKRACK

Bernie B. Bergevin, Long Beach, Calif.

Application May 25, 1950, Serial No. 164,179
2 Claims. (Cl. 45—80)



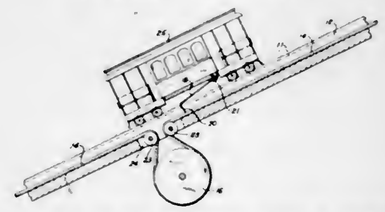
1. A collapsible book rack which includes: a book supporting member; a plurality of laterally spaced strips affixed to said member, with each of said strips having an eye formed on each end thereof; a U-shaped member pivotally supported in said eyes; two legs, with each of said legs being pivotally joined to one of the arms of said U-shaped member; a second U-shaped member pivotally supported in the downwardly positioned eyes, with the arms of said member being pivotally connected to the upper portions of said legs; and a shelf movably supported from said book supporting member, with said shelf when positioned substantially normal to said member holding a book in position thereon.

2,576,994

TOY CABLE CAR SYSTEM

Ambrose Bianchi and Walter H. Harman, San Francisco, Calif.

Application April 1, 1947, Serial No. 738,524
2 Claims. (Cl. 46—216)



2. In a toy cable car system double tracks for guiding the car, a car mounted for movement on the tracks, a cable slot interposed between and

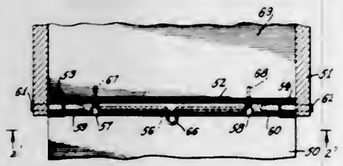
paralleling the tracks, an endless driving cable in said slot, means to drive the cable and a pin like connecting member having a pointed end depending from a support on the car for resilient engagement of said pointed end with the cable to drive the car, the support for said connecting member permitting it to swing from side to side relative to the car.

2,576,995
AGITATING AND SCRAPING MECHANISM
Thomas Carvel, Hartsdale, N. Y.
Application June 28, 1949, Serial No. 101,874
22 Claims. (Cl. 259—109)



1. In a device for making frozen confectionery products in a continuous process and including a relatively spacious cylindrical freezing chamber having an inlet for receiving a confectionery mix at one end and discharge means for the frozen product at the other end, a rotary shaft within the chamber and journaled with its ends at the chamber's ends, the body of the shaft between its journaled ends having a cross section other than that of a cylinder, and which shaft cross section is substantially smaller than that of the chamber, a plurality of guide means extending from the shaft body and being disposed radially in respect to the longitudinal axis of the shaft, a plurality of independent, bodily interchangeable, spirally curved scraper elements progressively offset relative to one another along substantially a continuous spiral so that the ends of each two adjacent elements extend a considerable distance beyond one another, said elements being reciprocatingly mounted upon said guide means and being adapted for individual, bodily movements in substantially radial direction in respect to the longitudinal shaft axis and to thereby agitate, whip and homogenize the mix entering the chamber, scrape frozen mix from the interior face of the chamber and convey the frozen product through the chamber and the latter's discharge means.

2,576,996
HINGE FOR PHOTOGRAPHIC APPARATUS
William Castedello, Stamford, Conn., assignor to The Kalart Company Inc., Stamford, Conn.
Application February 27, 1946, Serial No. 650,435
5 Claims. (Cl. 16—180)

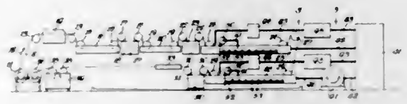


4. A cushioned hinge for photographic apparatus including a stationary portion and a pivotal portion hinged thereto for limited pivotal movements, comprising an elongated spring member capable of being distorted substantially along its longitudinal axis, a substantially cylindrical element provided at the pivotal portion and positioned substantially parallel to the pivot axis of the pivotal portion, a hinge member at each end of the cylindrical element and pivotally engaging the stationary portion for pivotally connecting the said two portions, said cylindrical element having an elongated longitudinal recess for receiving the spring member, a bent-off section at each end of the spring member, each of said sections being inserted in a corresponding recess in the stationary portion, for preventing axial rotation of the spring member relative to the stationary portion, an intermediate section of the spring member including a projecting loop, said cylindrical element having a second recess arranged to receive said projecting loop for preventing axial rotation of the spring member relative to the pivotal portion, thereby causing a torsional distortion of the spring member by a movement of the pivotal portion, said cylindrical element further including two circumferential recesses, each positioned to receive one of the bent-off spring member sections, thereby permitting a swinging movement of the pivotal portion without bending said sections, said spring member being secured to said portions in a position of minimal torsional distortion in an intermediate position of the pivotal portion and in a position of increased torsional distortion in either limit position of the pivotal portion, thereby cushioning movements of the pivotal portion in either direction from the said intermediate position.

2,576,997
ACID ZINC ELECTROPLATING AND ELECTROLYTE THEREFOR
Allan E. Chester, Highland Park, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 19, 1948, Serial No. 34,127
12 Claims. (Cl. 204—55)

1. An acid zinc plating bath comprising zinc sulfate dissolved in an acidic aqueous liquid containing a member from the group consisting of aldonic acids and aldonates in a quantity at least effective to produce antiburn effects in said bath.

2,576,998
METHOD OF ELECTROPLATING ZINC
Ray F. Main and Harold F. Hansen, Chicago, Ill., assignors to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application June 19, 1948, Serial No. 34,128
8 Claims. (Cl. 204—55)

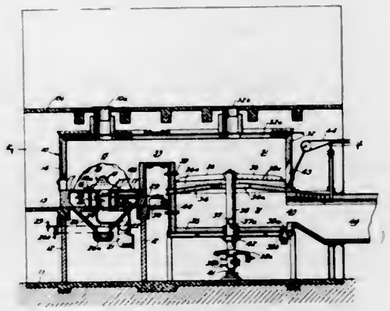


1. The process of electroplating zinc upon a cathode from a sulfate acid solution containing dissolved zinc salts as well as lead as an impurity comprising maintaining relative movement between the cathode and the solution, passing an electric current from the solution to the cathode, maintaining the temperature of the solution above 85° F., maintaining the zinc content of the solution above 50 grams per litre, and maintaining the lead content of the solution below 5 milligrams per litre by electrodepositing and removing lead as an impurity from the solution independently of the electroplating of the zinc from the solution upon the cathode.

2,576,999
METHOD OF ELECTROPLATING ZINC
Allan E. Chester, Highland Park, and Ray F. Main and Harold F. Hansen, Chicago, Ill.; said Main and said Hansen assignors to Acme Steel Company, Chicago, Ill., a corporation of Illinois, and said Chester assignor to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 19, 1948, Serial No. 34,129
7 Claims. (Cl. 204—55)

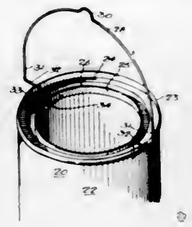
1. A method of zinc plating which comprises essentially electrodepositing zinc from an acid bath containing zinc sulfate and having a gluconate and an alkylated napthalene sulfonate dissolved in said bath, the quantity of lead in said bath being less than 5 milligrams per liter of solution, and carrying out said electrodeposition at temperatures above 100° F. and below 160° F.

2,577,000
APPARATUS FOR INCINERATING WASTE MATERIAL
Mortimer A. Clift, Great Neck, N. Y., assignor to Nichols Engineering & Research Corp., New York, N. Y., a corporation of Delaware
Application December 29, 1948, Serial No. 67,969
2 Claims. (Cl. 110—12)



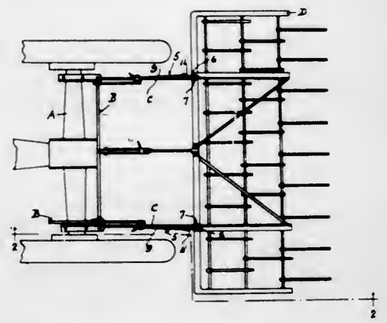
1. Incinerating apparatus including means defining a furnace chamber having an ash pit floor therebeneath, a central floor area of said chamber comprising a stationary hearth, a grate surrounding said hearth, means rotatable about a generally vertical axis through the mid-portion of said hearth for agitating material on said hearth and for gradually advancing such material outwardly onto said grate, an ash hopper positioned beneath said grate and above said ash pit floor, means defining a gas combustion chamber positioned at one side of and adjacent to said furnace chamber defining means and substantially equal to the latter in depth, a passage member interconnecting said furnace and combustion chambers near the respective top regions thereof, said means defining said combustion chamber having an outlet below the level of said passage member, a plurality of superposed hearths located in said combustion chamber between said passage member at such upper regions and the outlet therebelow in said combustion chamber, and a central vertical rotatable shaft carrying rabbling means for agitating and advancing material over each of said hearths in succession, each of said hearths being formed with discharge ports through which the material falls therefrom.

2,577,001
BAIL AND CAN
Frederick L. Cole, West Collingswood, N. J.
Application June 4, 1949, Serial No. 97,150
3 Claims. (Cl. 220—95)



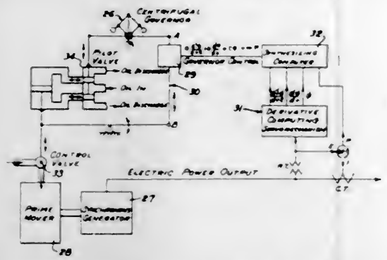
1. A can having spaced openings for a bail in the top thereof at generally diametrically opposite positions, and a wire bail comprising a loop, offsets from the ends of the loop in the plane of the loop engaging the top of the can on opposite sides, hook bodies extending from the offsets generally parallel to the ends of the loop through the openings and hook ends on the hook bodies engaging the can beneath the openings and each extending in the same direction, and the wire terminating at the ends of the transversely extending hook ends, whereby the bail can be inserted in the can by canting.

2,577,002
FLEXIBLE HITCH
Oliver A. Corl, Jr., and Vernon Nelson, Fillmore, Calif., assignors to Corl and Fleming, Fillmore, Calif., a copartnership
Application December 16, 1947, Serial No. 792,068
2 Claims. (Cl. 97—47)



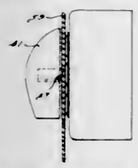
1. The combination with a tractor having an implement lift thereon, a trailing ground working implement, beams having rearwardly and upwardly directed slots adjacent their outer ends pivotally connected at their inner ends to the tractor, pivotal pins secured to opposite sides of the ground working implement at points above its frame with their outer ends extending through the slots in the aforesaid beams, studs secured to the beams at points forwardly of said pivotal pins, and retractile coil springs connecting the aforesaid studs and pivotal pins and yieldingly retaining the pivotal pins in normal position at the lower ends of said slots in the beams.

2,577,003
DERIVATIVE-COMPUTING SERVO MECHANISM CONTROL FOR PRIME MOVER DYNAMO PLANTS
Thomas E. Curtis, Berkeley, Calif.
Application August 19, 1947, Serial No. 769,387
1 Claim. (Cl. 290—4)



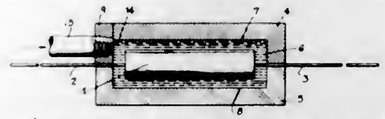
A power system control comprising, in combination, an alternator, a prime mover, a governor therefor said governor being responsive to system conditions of load, frequency, time and proximity to load, and means for automatically and continuously changing the setting of said governor comprising a servomechanism driven by said alternator and responsive to variations in load, frequency and time of the power system; said servomechanism comprising a zeroing synchro, a comparing synchro, an input servomotor for driving said synchros; said servomotor being responsive to an error signal set up by said comparing synchro when zeroing by said zeroing synchro is not complete and yielding $d^2\phi/dt^2$, a first integrator responsive to the mechanical output of said servomotor and yielding $d\phi/t$, a second integrator responsive to the mechanical output of said first integrator and yielding ϕ, means for driving said first and second integrators at a constant speed, a first stabilizing member connected to said servomotor; said first stabilizing member serving to take a fraction of the mechanical output of said servomotor and to introduce said fraction in differential form into the output of said second integrator, and a second stabilizing member connected to said first integrator; said second stabilizing member serving to take a fraction of the mechanical output of said first integrator and to introduce the same between said zeroing and comparing synchros.

2,577,004
TIMER MECHANISM
Rex C. Darnell, Dexter, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application April 5, 1946, Serial No. 659,764
19 Claims. (Cl. 161—23)



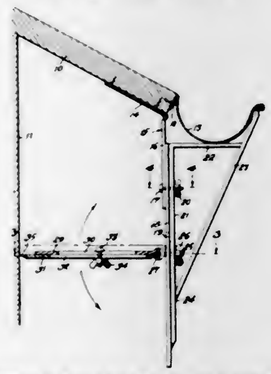
1. In a timer, a main arbor, means for manually rotating the arbor in one direction from an actuating position for setting purposes, timing mechanism for returning said arbor to said actuating position, means for limiting rotation of the arbor in said one direction while permitting rotation through an angle of at least three hundred sixty degrees, and means including a slender flexible wire movable in response to a predetermined rotation of said arbor in said one direction into interfering engagement with an element of said timing mechanism for preventing operation thereof, and a friction drive connection between the arbor and the escapement mechanism for permitting manual return movement of the arbor from said predetermined position.

2,577,005
METHOD OF MAKING MOLDED CONDENSERS
Aniello Di Giacomo, New York, N. Y., assignor to Micamold Radio Corporation, Brooklyn, N. Y., a corporation of New York
Application March 4, 1948, Serial No. 12,992
5 Claims. (Cl. 18—59)



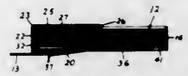
1. The method of making a molded electrical condenser, consisting of a condenser unit, encased in a thermoset resinous shell, which comprises: supporting said condenser in a heated injection mold and in spaced relation to the inner walls thereof; injecting into said mold, at a pressure below 300 pounds per square inch, a polymerizable and thermosetting molding composition which is flowable at room temperature and which comprises a vinyl compound and at least one substance selected from the group consisting of unsaturated esters and polymers thereof, in an admixture with a catalyst and an inert filler; continuing said injection until said mold is substantially filled and the condenser wholly encased in said composition; thereafter maintaining said mold at an elevated temperature and for a period sufficient to convert said molding composition into a solid and thermoset state, said molding position being subjected to a pressure less than 300 pounds per square inch during all of the aforementioned steps, and thereupon removing the so encased condenser from said mold.

2,577,006
ADJUSTABLE EAVES TROUGH SUPPORT
Pearl Dodson, Newark, Ohio
Application July 10, 1950, Serial No. 172,887
2 Claims. (Cl. 248—48.1)



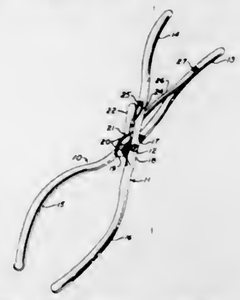
1. A device of the character described comprising a hinge having an upper leaf and a lower leaf, a base plate vertically adjustable upon said lower leaf, a gutter-supporting bracket affixed to said lower leaf, and adjustable means for supporting the base plate against the wall of a building, said bracket having a horizontal support for the base of a gutter and an outwardly and upwardly extending arm for engaging the lip portion of a gutter.

2,577,007
PLAYING CARD CONTAINER
William Dubilier, New Rochelle, N. Y.
Application June 12, 1947, Serial No. 754,100
1 Claim. (Cl. 229—16)



A container comprising top and bottom walls, side walls, an end wall and an open end; a closure hingedly connected to the top wall for closing the open end; a slot in the bottom wall adjacent the end wall; one half of the top wall carrying the closure being foldable with respect to the remainder of the top wall into surface to surface relation with the top wall; the closure member being foldable about the end wall into surface to surface relation with said end and bottom walls and into engagement with said slot in said bottom wall.

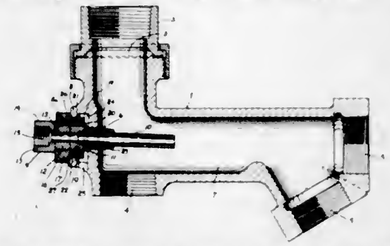
2,577,008
TOURNIQUET CLAMP
Oscar L. Engstrom, New York, N. Y.
Application June 18, 1949, Serial No. 100,009
1 Claim. (Cl. 128—327)



In a tourniquet clamp, a pair of clamping members pivoted together in crossing relationship, a toothed ratchet sector on one of said members and embracing the pivot, a detent lever mounted upon the other of said members and adapted to engage said sector, and a spring urging said detent lever into engagement with said sector.

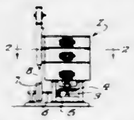
2,577,009
SANDER NOZZLE ASSEMBLY
Virgil L. Frantz, Roanoke, Va.
Application November 12, 1946, Serial No. 709,225
11 Claims. (Cl. 291—11)

9. In a sand trap having an air inlet port, a nozzle insertible in said port, a boss formed on said trap outwardly of said port and having a cylindrical opening coaxial with said port, a collar rotatably seated in said opening, said collar having a shoulder adapted to abut the outer face of said boss, a split resilient ring adapted to seat and be compressed entirely within a circumferential groove formed in said collar and to engage the inner face of a confronting groove formed in the inner wall of said opening on seating of said collar, said ring when said



collar is seated lying in both of said grooves and locking said collar against outer axial movement, and means on said collar for engaging and moving said nozzle axially on rotation of said collar.

2,577,010
COOKER
Alfred W. French, Jr., Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio
Application April 5, 1949, Serial No. 85,519
12 Claims. (Cl. 259—8)

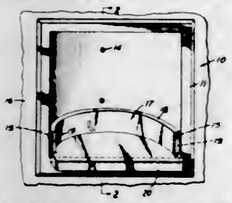


1. In a vertical cooker of the type having superposed cooking chambers with a stirrer arm mounted for rotation about a central vertical axis in the chamber and sweeping the floor of each chamber, and the floor of each chamber having a closable discharge passage into which loose material being cooked in that chamber may be pushed for discharge by the stirrer arm, that improvement which comprises a plurality of horizontally arranged baffle plates rigidly suspended from the ceiling of each chamber and each having its lower edge close to but just above the path of travel of the stirrer arm is that chamber and its upper edge only a minor part of the distance from the stirrer arm to the ceiling of that chamber, said baffle plates in each chamber being arranged at spaced intervals along the path of travel of the stirrer arm in that chamber, and each disposed if extended, approximately tangentially to a circle concentric with said chamber and having a slightly larger diameter than that of the circle generated by the path of travel of the inner end of the stirrer arm, the outer ends of the baffle plates terminating in proximity to the periphery of that chamber.

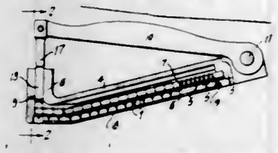
2,577,011
BATHROOM ARTICLE HOLDER
Gustav A. Hallenscheid, Los Angeles, Calif., assignor to Hall-Mack Company, Los Angeles, Calif., a corporation of California
Application March 8, 1949, Serial No. 80,253
5 Claims. (Cl. 312—242)

1. An article holding bathroom fixture having a housing adapted to be mounted on a building wall, said fixture having a forwardly exposed recess therein, a stud mounted on a side of the recessed portion of said housing to project into said recess, an article supporting insert member

having a rear face thereof adapted to enter and substantially to conform with the portion of said fixture defining the rear wall of said recess, said insert member being adapted to seat upon the portion of the housing defining the lower end of said recess, said insert member having a vertically disposed channel therein adapted to receive said stud upon moving said insert member downwardly into seated position upon the lower end of said recess, said insert member having a forward portion adapted to project forwardly beyond said housing when inserted therein, and said forward portion having a downwardly extending offset portion adapted to overlie and have interlocking engagement with a forward marginal portion of said housing defining the lower edge of said recess.

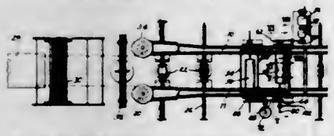


2,577,012
SURGICAL CLAMP TOOL
Harold A. Hinckley and Roe C. Hawkins, Long Beach, Calif.
Application July 15, 1949, Serial No. 104,832
5 Claims. (Cl. 1—49.1)



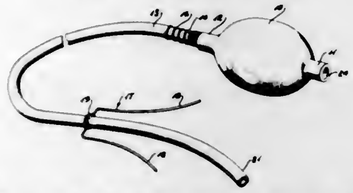
1. A surgical clamp tool comprising an elongated magazine, said magazine being adapted and arranged to receive a plurality of clamps placed side by side, ejecting means adapted to engage and eject said clamps one at a time, said ejecting means comprising a pair of fingers positioned at one end of the magazine, manually operable means mounting said fingers for reciprocal movement over the end of the magazine, means engageable by the fingers to urge said fingers inwardly to grasp a clamp as said fingers are moved over the end of the magazine.

2,577,013
MACHINE FOR STRETCHING AND COATING WEBS OF SHEET MATERIAL
Benjamin D. Hyde, Cambridge, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application September 24, 1948, Serial No. 50,934
11 Claims. (Cl. 91—17)



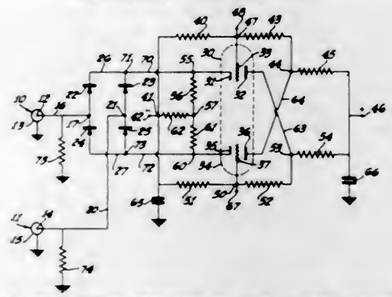
1. In a machine for treating sheet material, means including tentering clips for supporting and conveying a web of the material in a substantially horizontal path and for holding it under lateral tension, a coating roll contacting with the under side of said web, the work-contacting portion of said roll being driven in a direction opposite to the direction of movement of the web, a doctor bar contacting with a horizontal portion of the under side of the web beyond the roll to control the thickness of the applied coating, and means for protecting the clips adjacent to the doctor bar.

2,577,014
RADIATOR SIPHON
Axel A. Johnson, Holly, Mich.
Application December 24, 1947, Serial No. 793,633
2 Claims. (Cl. 222—204)



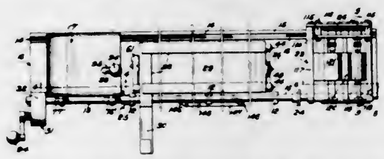
1. For use in draining coolant from radiators of internal combustion engines, a compressible bulb having an outlet to atmosphere, a flexible tube of substantial length connected to the bulb, and a spring retaining member slidably carried on said tube and adapted when the free end of the tube is inserted in a radiator to engage the interior wall of the radiator filler neck and retain the free end of the tube in draining position, whereby an operator placing his finger over the outlet to atmosphere and first compressing and then decompressing said bulb will draw liquid into the bulb and by removing his finger allow continuous flow of liquid from the bulb through the outlet in the desired amount, said retaining member being formed from a single strand of wire and having a pair of outwardly diverging spring legs and an intermediate coil slidably and frictionally receiving said tube without impeding the flow of liquid through the tube.

2,577,015
SWITCHING SYSTEM
Wayne R. Johnson, Los Angeles, Calif., assignor to Earle C. Anthony, Inc., Los Angeles, Calif., a corporation of California
Application March 22, 1949, Serial No. 82,768
10 Claims. (Cl. 250—27)



1. A switching system of the class described which includes: a plurality of switching elements each comprising an input terminal, an output terminal, a network having a pair of branches connected in parallel, one of said branches being connected to said input terminal and the other being connected to said output terminal, each of said branches including a rectifier therein, and control means connected to the common points of said branches, selectively operable to apply a potential difference to said points with a first polarity to cause current to flow through said rectifiers, whereby a signal is transmitted from said input terminal to said output terminal, or operable to apply a potential difference to said points, greater than the amplitude of said signal, and with a polarity that is the reverse of said first polarity, whereby current does not flow through said rectifiers and said signal is not transmitted from said input terminal to said output terminal; means connecting all of said output terminals in parallel; and a plurality of switching means each associated with one of said switching elements but connected to all of said switching elements and operable to actuate the control means of said associated switching element to render its network signal transmissive and simultaneously to actuate the control means of the remainder of said switching elements to render their networks non-transmissive regardless of their previous condition, whereby no more than a single switching element may be transmissive at any time, said switching means being selectively operable in any sequence.

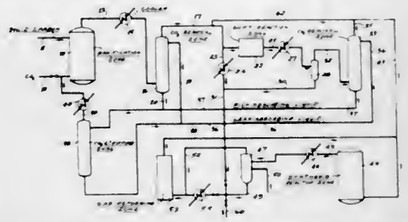
2,577,016
BED AND CYLINDER PRESS FOR SUPERPOSED IMPRESSIONS
Gilard Kargl, San Antonio, Tex.
Application December 16, 1948, Serial No. 65,653
11 Claims. (Cl. 101—269)



11. A printing press comprising an elongated frame, a type supporting bed extending longitudinally thereof, a track extending the length of said frame above said bed comprising a pair of rails one on each side of the frame, one of said rails being of round cross section and journalled for rotation on the frame, a press roller unit and an inking roller unit supported on said track for alternate movement along said track over said bed, a matte for carrying a material to be printed attached to said round rail and extending radially thereof so that it may be swung to a printing position over said bed and to a loading position away from said bed, means for rotating said round rail, and a lock out positioned toward each end of said round rail for first locking out the press roller unit and then the inking roller unit from movement over said bed as the matte is respectively moved from the loading position to the printing position, said lock outs comprising wheel blocks secured to said rail in 180° opposite phase.

2,577,017
PREPARATION OF HEAVY HYDROCARBONS OF HYDROGEN ISOTOPES
Lebbeus C. Kemp, Jr., Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 23, 1948, Serial No. 61,592
9 Claims. (Cl. 260—449.6)

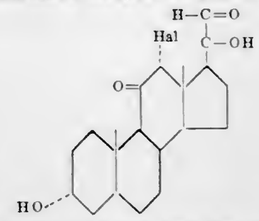
1. In the production of desired deuterocarbon fractions, the steps which comprise preparing carbon monoxide by the reaction of carbon dioxide with free carbon at an elevated temperature in a gasification zone, reacting a portion of the carbon monoxide thus formed with D_2O in a shift reaction zone, under reaction conditions including an elevated temperature at which the reactants are shifted to form free deuterium and carbon dioxide, separating carbon dioxide from the resultant stream and supplying said separated carbon dioxide to said gasification zone for the production of additional carbon monoxide, passing resulting deuterium and an unconverted portion of said carbon monoxide in



contact with a synthesis catalyst in a synthesis zone maintained at a temperature and pressure such that a substantial portion at least of the feed is converted into deuterocarbons, withdrawing from contact with said catalyst a reaction effluent including said deuterocarbons, together with by-product D_2O, recovering therefrom desired fractions of deuterocarbon, subjecting remaining deuterocarbon fractions to contact with D_2O in a reforming zone, under conditions including an elevated temperature effective to reform free deuterium and carbon monoxide, and recycling said reformed products to the inlet of said synthesis zone.

2,577,018
$\Delta^{17,20}$-PREGNENOLAL DERIVATIVES
Edward C. Kendall and Gerard A. Fleisher, Rochester, Minn., assignors to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 20, 1950, Serial No. 196,701
5 Claims. (Cl. 260—397.4)

1. Compounds of the general formula

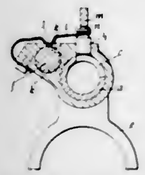


wherein Hal stands for a halogen of the group consisting of chlorine and bromine.

2,577,019
CONTROL MECHANISM FOR VARIABLE-SPEED GEARS OR OTHER PURPOSES
Henry Martin Kesterton, Wroxall, England
Application July 22, 1948, Serial No. 40,026
In Great Britain August 13, 1947
2 Claims. (Cl. 74—334)

1. A control mechanism for variable speed gears or other purposes, and comprising the combination of an angularly movable actuating shaft, at least one slidable member carried by the ac-

tuating shaft, a pair of plungers carried by the slidable member, helically disposed means on the actuating shaft engageable by the plungers and adapted to impart opposite movements to the slidable member through the medium of the



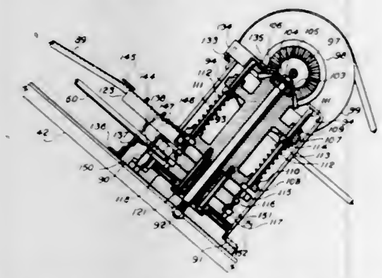
plungers, an angularly movable selecting bar arranged parallel with the actuating shaft, spring means through which the plungers are operable by the selecting bar, and means engageable by the plungers for preventing undesired movements of the slidable member.

2,577,020

DEVICE FOR ASSEMBLING FURRING NAILS

Vernon A. Large, Oakland, Calif.

Application February 1, 1947, Serial No. 725,897
9 Claims. (Cl. 10—158)



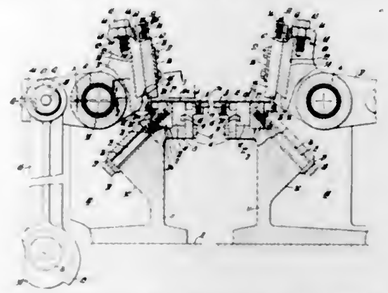
3. In a machine for producing furring nails, a frame, a rotating head on the frame, a nail feeding chute leading to the periphery of the upper portion of said head, a disk feeding chute leading to the periphery of the lower portion of said head, said head containing a plurality of circumferentially spaced substantially vertical holes, the upper portion of each hole being spaced from the periphery of said head, said head having slots extending from the upper portion of each hole to the periphery of the head, said nail chute comprising means for holding a nail in the path of said slots so as to feed a nail into each slot and said slots comprising means for coacting with the end of said nail chute to guide said nail into said hole during the rotation of said head; the lower portion of each of said holes being formed into a hook recess open to the head periphery, a peripheral guide surface leading from the head periphery to each hook recess to guide a disk from said disk chute into the recess, a ledge in each recess to support said disk in registry with said hole under said nail, the middle portion of each hole being restricted for centering the nail with respect to said disk in said recess and being open to the periphery of said head, arcuate guide members substantially stationary relatively to said rotating head to cover the peripheral open sides of the hole located opposite said guide members for retaining said nail and disk in aligned position, a plunger device for extending a plunger into the top of the hole opposite said guide members and means for actuating said plunger to push the nail into the aligned disk.

2,577,021

APPARATUS FOR NOTCHING CAN BODY BLANKS

Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware

Application April 29, 1947, Serial No. 744,681
2 Claims. (Cl. 164—50)



1. An apparatus for forming can bodies including a frame, a stationary die member supported on the frame with its upper working surface disposed in a horizontal plane, an oscillatory lever mounted on the frame to oscillate about a horizontal axis so as to move one end thereof in a vertical plane toward and away from the horizontal working surface of the stationary die member, said end of the lever being formed with a flat backing face disposed in a plane parallel to the axis about which the lever oscillates and substantially perpendicular to the working face of the stationary die member at the time the punch engages one of said bodies, an upwardly and outwardly inclined projecting ledge extending along the lower terminus of the backing face on said lever, a punch holder having a flat surface to seat against the flat backing face and having a downwardly and inwardly inclined lower surface complemental to said ledge and an upper surface tapered upwardly and inwardly, a clamp mounted on the lever at the upper terminus of the backing face and formed with a tapered surface complemental to the tapered upper surface of the punch holder, screw means engaging the clamp and the lever to fix the clamp to the lever in a manner clamping the punch holder against the flat backing surface and between the ledge and the clamp, a punch secured to the punch holder, and means for oscillating said lever to move said punch toward and away from the working surface of the die member.

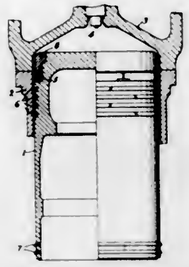
2,577,022

PISTON RING

Hans Lieberherr, Winterthur, Switzerland, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland

Application May 25, 1946, Serial No. 672,200
In Switzerland November 22, 1945
4 Claims. (Cl. 309—29)

1. A built-up piston ring for use in a reciprocating engine including a cut ring having a cross-section in the shape of a T with a relatively elongated cross-member the upper surface of which is the cylinder contact surface of the ring, the arm of said cross-member extending toward the low-pressure side of the ring being removed adjacent the cut through the ring so that the surface of the T-upright facing the low-pressure side of the ring extends in an unbroken plane for a short distance on each side of the cut to the cylinder contact surface and a discrete packing member cooperating with said cut ring to



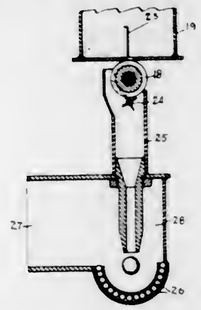
seal the cut therethrough against gas passage from the high pressure side of the ring.

2,577,023

VAPORIZATION APPARATUS

John C. Lincoln, Phoenix, Ariz., assignor to Precipitation Control Company, Phoenix, Ariz., a corporation of Arizona

Application August 24, 1949, Serial No. 112,130
5 Claims. (Cl. 314—21)



1. In an automatic electric vaporizing system, a pair of electrodes mounted on a rack and pinion set up and adapted to move relative to each other, a high voltage coil connected across said electrodes operative to move said electrodes together, a motor connected across said arc operative to move said electrodes toward each other at the same speed at which they are consumed, a source of electric current applied across said electrodes to cause an arc in the presence of air therebetween, and a silver iodide feed mechanism including a variable speed motor and operatively associated paddles adapted to supply a constant stream of silver iodide particles to said arc.

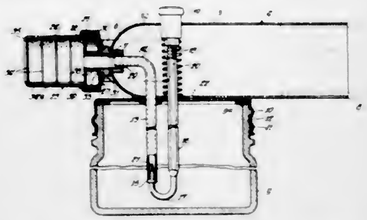
2,577,024

SPRAYER NOZZLE

Frank C. Lundberg, Chicago, Ill., assignor to Illinois Stamping & Mfg. Co., Chicago, Ill., a corporation of Illinois

Application August 16, 1947, Serial No. 768,994
11 Claims. (Cl. 299—89)

11. As an article of manufacture, a foam spray nozzle attachment for a spray gun adapted to discharge a stream of air under pressure, and including a discharge nozzle formed with a discharge opening and comprising a reservoir for receiving liquid to be placed under pressure, said spray gun also including a discharge tube extending from the reservoir into the discharge nozzle opening and defining an air passage about the end of the discharge tube contiguous to the discharge opening of the nozzle, said attachment comprising a shell adapted to receive a plurality of foraminated, spaced disks for foaming the liquid discharged from the discharge tube, means adapted to be mounted within said discharge



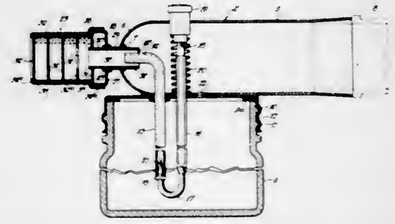
opening of the nozzle for discharging the stream of air under pressure within a reduced air passage defined by said means about the discharge tube and through the foraminated, spaced disks, whereby foam is produced from the liquid discharged from the discharge tube, and complementally formed means for detachably mounting the spray nozzle on the spray gun contiguous to the discharge end of the discharge tube.

2,577,025

FOAM NOZZLE ATTACHMENT FOR SPRAY GUNS

Frank C. Lundberg, Chicago, Ill., assignor to Illinois Stamping & Mfg. Co., Chicago, Ill., a corporation of Illinois

Application June 30, 1948, Serial No. 36,220
4 Claims. (Cl. 299—89)



2. As an article of manufacture, a detachable, foam producing nozzle attachment for spray guns adapted to spray a stream of fluid and air under pressure and having an air outlet opening, a shell open at both ends, a plurality of spaced foraminous discs positioned in said shell and extending transversely with respect to the axis of the latter, a hollow connector head mounted in one end of the shell, a hollow nipple extending through and rigidly secured to said head, the opposite end portion of the nipple being constructed for engagement with a spray gun at the air outlet opening thereof, the foraminous disc adjacent said nipple having a relatively large opening therein axially aligned with said nipple whereby the fluid and air sprayed discharges through said opening and impinges the contiguous foraminous disc over which the fluid and air are spread, and a portion of the fluid rebounds from said disc and returns through perforations in said foraminous disc adjacent said nipple to be redischarged through said large opening.

2,577,026
PIVOTED BREECH BOLT LOCK FOR AUTOMATIC FIREARMS

Bernard Maillard, Geneva, Switzerland, assignor to Brevets Aero-Mecaniques S. A., a corporation of Switzerland

Application December 27, 1946, Serial No. 718,661
In Switzerland January 16, 1946
2 Claims. (Cl. 89—190)



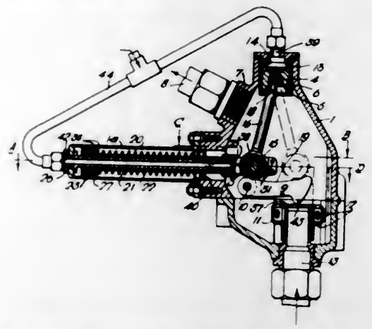
1. In an automatic firearm including a barrel, the combination of a breech case having a surface parallel to the axis of said barrel, a breech block slidable in said breech case in a direction parallel to said axis and having a surface in sliding engagement with said surface of the breech case, one of said two last mentioned parts being provided with an opening into the surface which is in said sliding engagement with the other of said two last mentioned parts, and a locking bolt having one end journalled in one end wall of said opening so as to be substantially pivotally movable with respect to the one of said two last mentioned parts between a retracted release position in which it is in alignment with the surface of the one of said two last mentioned parts and a locked position in which it projects therefrom, said engaging surface of the other of said two last mentioned parts being provided with a notch for engaging said locking bolt in the locked position thereof to prevent rearward movement of said breech block, a second end wall of said opening opposite said journalled end being generated by the end of a first radius vector having its origin substantially coinciding with the center of curvature of said journal and increasing in length over its arc of movement from the bottom of the opening to the outer surface thereof; and when the locking bolt is in retracted position, the end of said locking bolt opposite the journalled end being in surface engagement with a substantial portion of said second end wall of said opening, the engagement area of said end of said locking bolt opposite the journalled end and said second end wall of said opening being generated by the end of a second radius vector also having its origin substantially coinciding with the center of curvature of said journal and increasing in length over its arc of movement correspondingly to the increasing length of said first radius vector, whereby upon pivotal movement of the bolt from the retracted position to the locked position, the end of said bolt opposite said journalled end moves apart from said second end wall of said opening to form a continuously and progressively increasing gap.

2,577,027
APPARATUS FOR CONTROLLING ONE HYDRAULIC PRESSURE IN ACCORDANCE WITH ANOTHER

Roderick Cristall McLeod, Cropston, England, assignor to Power Jets (Research & Development) Limited, London, England

Application October 30, 1945, Serial No. 625,568
In Great Britain February 10, 1944
9 Claims. (Cl. 137—53)

1. Apparatus for controlling one hydraulic pressure in accordance with another comprising a valve controlling the pressure to be controlled, a pivotably mounted lever adapted to adjust said valve, a member pivotably connected to a piston subject to the controlling pressure and adapted to exert a turning moment on said lever about the pivot of said lever, and a second piston sub-



ject to the controlling pressure and adapted to vary the said turning moment.

2,577,028
COLOSTOMY SCREEN STAND

Charles A. McMorrow, Chicago, Ill., assignor to Rose M. McMorrow, Chicago, Ill.

Application August 8, 1949, Serial No. 109,106
5 Claims. (Cl. 4—9)



1. In a colostomy screen, an upstanding supporting means comprising a tubular vertical rod, said rod having through one side of its upper end portion a bolt opening and in its opposite side diametrically opposite to said opening a cruciate aperture with vertically and horizontally extending arms, an eyebolt positioned with the inner side of its head seated in the vertical arms of said aperture, a stiff arcuate wire having its mid-length portion extending through the eye of said bolt and at each side of said bolt seated within the horizontal arms of said aperture, a clamping nut screwed onto the opposite end portion of said bolt and abutting against said rod, and a sheet of flexible waterproof material extending along and draped from said wire.

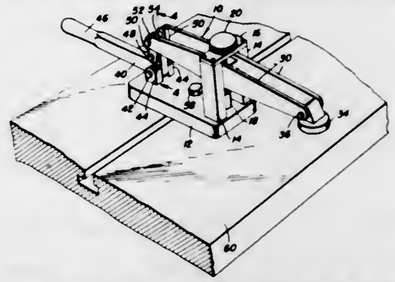
2,577,029
TOGGLE CLAMP WITH AN ADJUSTABLE PIVOT

Clyde C. Moorehead, Waco, Tex.

Application April 12, 1948, Serial No. 20,539
1 Claim. (Cl. 144—290)

In a toggle clamp, the combination of a base, a pair of spaced uprights provided on said base and having opposing vertical slots provided therein, a cross-member connecting upper ends of said uprights, a vertical adjusting screw rotatably but non-slidably journaled in said base and said cross-member between said supports, an internally screw-threaded fulcrum block threaded on

said screw for vertical movement when the screw is rotated, a pair of coaxial trunnions projecting to opposite sides from said block and slidable in the respective slots, an arm comprising a pair of transversely spaced members having intermediate portions thereof pivotally mounted on the re-

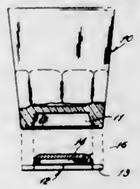


spective trunnions between said block and the respective uprights, a work engaging pad pivotally mounted between said members at one end of said arm, an actuating lever pivoted to said base, and toggle linkage operatively connecting said lever to the other end of said arm.

2,577,030
TRANSPARENT LUMINESCENT OBJECT

Arthur E. Neumann, Chicago, Ill.

Application August 25, 1947, Serial No. 770,516
2 Claims. (Cl. 250—71)

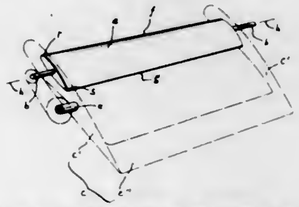


1. A luminescent transparent object comprising a drinking glass having a recessed bottom, a luminescent member having a plaque background with a light reflecting surface, a luminescent disc attached to the top surface of said background, a transparent covering extending over said disc and sealed to said background, said luminescent member positioned within said recessed bottom, and sealing means for sealing said luminescent member within said recessed bottom so that contents of the glass are not contaminated by contact with the luminescent member.

2,577,031
SLOW DESCENT DEVICE FOR AIRCRAFT

Paolo Orazi, Brescia, Italy

Application February 27, 1950, Serial No. 146,414
5 Claims. (Cl. 244—139)

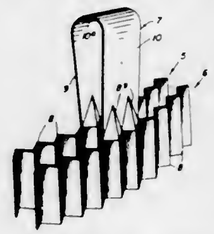


1. In a device of the class described a U-shaped member, an elongated sustentation surface pivoted at the extremities of its longitudinal axis to the arms of said member, the said surface being free to continuously rotate in one direction on its pivots but being fixed against other movements relative to said member, and a device normally locking the surface to the member to prevent rotation of the former, but operable to free said surface for such rotation.

2,577,032
PIE EDGE CRIMPER

Victoria S. Paschis, East Vandergrift, Pa., assignor of one-half to James Anthony Paschis, Sr., East Vandergrift, Pa.

Application September 22, 1947, Serial No. 775,504
1 Claim. (Cl. 107—49)



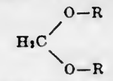
A pie dough crimper comprising a one-piece pair of tongs embodying a resilient U-shaped handle including a pair of opposed flexible limbs and an interconnecting bight portion, said bight portion being springy and normally serving to spread the limbs apart, said limbs being provided at their free spreadable ends with opposed duplicate rectangular plates, the longitudinal axes of said plates being at right angles to the longitudinal axes of said limbs, and said plates being arcuately bowed and corrugated, the corrugations being transverse to the plates and running in directions substantially parallel to the longitudinal axes of said limbs so as to permit an upstanding marginal edge portion of the sheet of dough to be crimped and to assume a position vertical to the main body of said sheet of dough.

2,577,033
TANNING OF HIDES AND SKINS WITH FORMALS

Robert C. Putnam, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

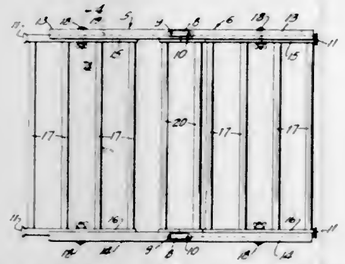
No Drawing. Application March 5, 1948, Serial No. 13,330
6 Claims. (Cl. 8—94.33)

1. The method of tanning hides which comprises drying the hide by immersing the hide in a water miscible inert organic volatile solvent, then removing the solvent to obtain a moisture content of from 10% to 15% based on the dry weight of the hides and immersing the hides in a solution containing an inert organic solvent, from 0.3% to 4% by volume of a concentrated aqueous solution of a strong mineral acid, and at least 2% by volume of a formal having the formula



wherein R is an aliphatic radical containing more than one carbon atom, the formal being present in the ratio of from 5 to 15 parts by volume to 1 part by volume of the acid.

2,577,034
DOORWAY GATE
John H. Quinlan, St. Paul, Minn.
Application April 16, 1949, Serial No. 87,861
3 Claims. (Cl. 160—217)



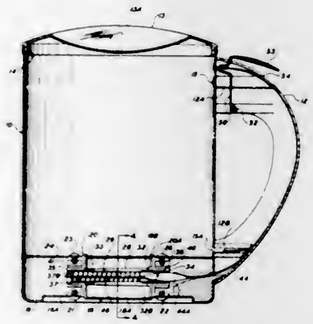
2. In a gate for use in a doorway having oppositely disposed jamb members, a pair of gate sections hingedly connected together to fold one upon the other about a vertical axis, each of said sections comprising upper and lower main rail members of channel shape in cross section and upper and lower extension rail members slidably fitting in the channels defined by the main rail members, said extension rail members being extensible from the outer ends of the main rail members to close doorways of various widths, a vertically extending bar rigidly and directly connecting the main upper rail member to the main lower rail member of each gate section to retain said rail members in fixed vertically spaced relation, a series of bars connecting the upper extension rail member to the lower extension rail member of each section together, means for rigidly securing each of said extension rail members to a main rail member in selected positions thereon, and latch means for securing said gate sections in a common plane between the jamb members of the doorway.

2,577,035
UNIVERSAL PHONOGRAPH TURNTABLE
John Drysdale Reid, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application March 1, 1949, Serial No. 78,949
3 Claims. (Cl. 274—39)



1. A phonograph turntable for use with any of the following types of record discs: a large-diameter (10–12 inches), small-center-hole (approximately ¼ inch) record disc, a small-diameter (7 inches), large-center-hole (1.5 inches) disc having a thickened central circular section, or a small-diameter, small-center-hole disc having a raised clutching ring whose greatest diameter (approximately 3⅞ inches) is greater than the maximum diameter (approximately 3⅝ inches) of said thickened section, said turntable comprising a table having an upwardly projecting outer pedestal for supporting a disc of the first type, a central post for retaining either a disc of the first type or a disc of the third type, an upwardly projecting boss having an elevation equal to the elevation of said outer pedestal for retaining a disc of the second type, an intermediate concentric depressed portion having a flat top surface between said boss and said outer pedestal for supporting the thickened section of a record disc of the second type, said boss projecting upwardly beyond said depressed portion, and an inner pedestal projecting upwardly from said intermediate portion and having an elevation less than said boss and said outer pedestal for supporting the clutching ring of the third type of record disc, said pedestal, depressed portion and inner pedestal being integral with said turntable, said post supporting and projecting upwardly through said table and said boss.

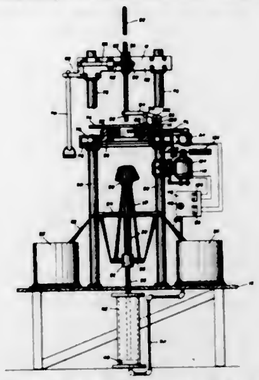
2,577,036
CONTAINER WITH BOTTOM DISPENSING ROTOR
Alvah C. Roebuck, Jr., Tujunga, and Archie T. Arnold, La Crescenta, Calif.
Application August 6, 1948, Serial No. 42,957
12 Claims. (Cl. 222—339)



1. A dispenser comprising a container, a barrel rotatably mounted adjacent the bottom of the container, the barrel having a hub and a coaxial bore in the hub, an opening in the curvilinear wall of the barrel and an opening in the bottom of the container closed by the barrel, a first slit in an end of the barrel opening into the bore, a stationary member mounted adjacent the opposite end of the barrel and having a second slit therein, a tongue extending through the first slit, the bore of the barrel and the second slit, the tongue being twisted about its longitudinal axis throughout a portion of its length traversing the first slit, and means operable from the exterior of the container for moving said tongue linearly in the direction of the axis of rotation of the barrel.

2,577,037
MEANS FOR THE MANUFACTURE OF MOPS
Paul M. Rogers, Balboa Island, Calif.
Application December 21, 1945, Serial No. 636,393
7 Claims. (Cl. 300—16)

1. Apparatus for making mops which comprises means for holding a mop stick in vertical position, a reciprocable yarn carrying mechanism for drawing limp yarns from a plurality of yarn containers and placing said yarns in a predetermined position enclosing an end of said stick, means for reciprocating said yarn carrying mechanism in a direction axially of the stick toward and away from said end of the stick, means for binding said yarns to said end of the stick, and means for severing the yarns at a predetermined position to form a mop head.



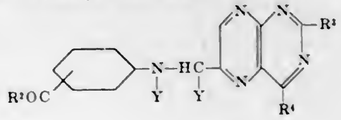
2,577,038
TELEVISION COLOR PICTURE TUBE
Albert Rose, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 25, 1950, Serial No. 146,323
6 Claims. (Cl. 313—92)



1. An electron discharge device comprising, an electron gun structure for forming an electron beam along a path, a target electrode positioned transversely to said beam path, said target electrode having a plurality of apertures extending from one surface to a second surface thereof, means for scanning said electron beam over said one apertured target surface, a phosphor coating on said second apertured target surface, an electron mirror electrode positioned transversely to said beam path facing said second target surface for reflecting beam electrons passing through said apertured target onto said phosphor coating, and lead means connected to said mirror electrode for applying different voltages to change the paths of the reflected electrons.

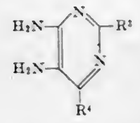
2,577,039
SUBSTITUTED PTERIDINES AND METHOD OF PREPARING THE SAME
Barbara Roth, Middlesex Borough, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 11, 1949, Serial No. 98,638
10 Claims. (Cl. 260—256.5)

7. Compounds of the group consisting of those having the general formula:

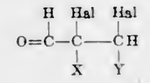


in which R^2 is a member of the group consisting of hydroxyl and amino acid radicals; R^3 is a member of the group consisting of amino, lower monoalkylamino and lower dialkylamino radicals; R^4 is a member of the group consisting of amino, hydroxyl, lower monoalkylamino, lower dialkylamino, phenylamino and 1-piperidyl radicals, at least one of the groups R^3 and R^4 being a substituted amino radical and Y is a member of the group consisting of hydrogen and lower alkyl radicals.

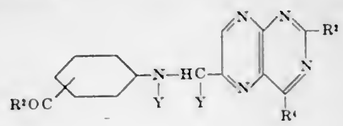
9. A method which comprises mixing together under reactive conditions a pyrimidine having the formula:



in which R^3 is a member of the group consisting of amino, lower monoalkylamino and lower dialkylamino radicals and R^4 is a member of the group consisting of amino, hydroxyl, lower monoalkylamino, lower dialkylamino, phenylamino and 1-piperidyl radicals, at least one of the group R^3 and R^4 being a substituted amino radical, an aldehyde having the formula:



in which Hal is a member of the group consisting of chlorine and bromine atoms, X is a member of the group consisting of hydrogen and halogen radicals and Y is a member of the group consisting of hydrogen and lower alkyl radicals and a member of the group consisting of an aminobenzoic acid, a lower alkylaminobenzoic acid and amino acid amides thereof and after reaction thereof, recovering a compound having the formula:

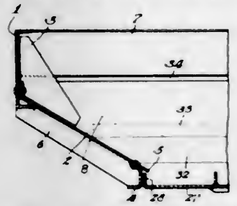


in which R^3, R^4 and Y are as defined above and R^2 is a member of the group consisting of hydroxyl and amino acid radicals.

2,577,040
MINE CAR SEALING DEVICE
Hugh W. Sanford, Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware
Application April 7, 1947, Serial No. 739,796
12 Claims. (Cl. 105—253)

1. In a vehicle having a lading body with side sill structures separated and having a bottom opening therebetween for the discharge of lading therethrough, wheels for supporting the lading body, longitudinally spaced deeply recessed wheel hood coverings in the lading body on opposite sides thereof over the wheels, said body having side wall flare plates between the wheel hood coverings, the combination of a door for closing

said bottom opening and extending along the vehicle between the longitudinally spaced hood coverings and between opposite disposed hood coverings, said door having upstanding edge por-



tions in close proximity to the side sill structures, and deflector plates carried by the flare plates and by the inner faces of the hood coverings overlapping said door edge portions for sealing the edges of the door.

2,577,041

REACTION PRODUCTS OF (A) COPOLYMERS OF MALEIC ANHYDRIDE AND MONOVINYL COMPOUNDS AND (B) CHLOROPHENOLS OR NITROPHENOLS

Raymond B. Seymour, Chattanooga, Tenn., assignor to the Industrial Research Institute of the University of Chattanooga, Chattanooga, Tenn., a corporation of Tennessee

No Drawing. Application April 10, 1948. Serial No. 20,367

9 Claims. (Cl. 260—47)

1. The process of forming a reaction product of a copolymer of maleic anhydride and a compound having a single vinyl group to obtain a fungicide, which comprises mixing into a solution containing the dissolved copolymer substantially equimolar proportions, relative to the maleic anhydride component of the copolymer, of a monohydric phenolic compound selected from the class consisting of chlorophenols and mono-nitrophenols having besides the phenolic hydroxyl group no reactive group other than chlorine and nitro, respectively, and heating the mixture at an elevated temperature to effect reaction between said copolymer and said phenolic compound.

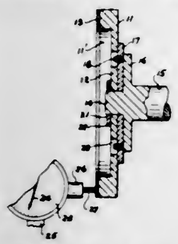
2,577,042

TRUING AND BALANCING DEVICE FOR FACE TYPE DIAMOND GRINDING WHEELS

Elmer Speicher, Birmingham, Mich.

Application February 24, 1951, Serial No. 212,636

5 Claims. (Cl. 51—168)



1. In combination, a face type diamond grinding wheel having an annular flat abrasive surface at right angles to its axis of rotation, a rotatable spindle upon which said wheel is centrally mounted and secured, a flat back plate secured upon said spindle and arranged at a right angle to its axis of rotation and against which said wheel bears, and a plurality of spaced circularly arranged set screws threadably projected through said back plate with their inner ends operatively engaging said spindle to the extent that the outer face of said grinding surface lies in a plane at right angles to the axis of rotation of said spindle, said grinding wheel having a plurality of spaced circularly arranged openings into which said screws loosely extend.

2,577,043

TOOLHOLDER

Milton J. Steffes, Dearborn, Mich., assignor to Super Tool Company, Detroit, Mich., a corporation of Michigan

Application December 23, 1946, Serial No. 717,991

4 Claims. (Cl. 29—96)



1. A solid tool body having an aperture of polygonal cross section extending angularly therethrough and having an enlarged cylindrical portion near one end in extension thereof and in communication therewith, a cylindrical bushing secured in said enlarged end after having been inserted therein from said end, said bushing having a threaded aperture, a threaded screw disposed in said last aperture for adjusting a bit in said first aperture, and clamping means for relatively drawing parts of said body toward each other to clamp a bit in the first said aperture.

2,577,044

CASH REGISTER SIGN HOLDER

Norvin J. Steinau, Milwaukee, Wis., assignor to Kirby-Cogeshall-Steinau Co., Milwaukee, Wis., a corporation

Application October 14, 1949, Serial No. 121,260

1 Claim. (Cl. 40—125)



A holder for detachably connecting a sign to a cash register comprising a bracket including a horizontally disposed top plate for fitting over the upper surface of a cash register, depending vertically disposed feet on one edge of said plate disposed adjacent to the opposite ends of said plate, an upstanding vertical flange formed on the plate between said feet, means detachably securing a sign to the flange, said plate having a centrally disposed outwardly extending arm formed on the edge of the plate remote from said feet, a pair of levers connected at their inner ends to the arm pivoting about a common point, depending legs formed on the outer ends of the levers arranged in the same vertical plane as the feet, and contractile coil springs connecting said levers to the plate.

2,577,045

GAS INHALER APPLICATOR

Cornelius B. Stout, Perkins, Okla.

Application January 12, 1951, Serial No. 205,820

8 Claims. (Cl. 222—5)

5. In combination, a flask for gas under pressure, said flask formed with a discharge mouth surrounded by an annular lip, a nipple having one end formed with an annular flange to seat in said mouth and having a weakened breakable area intermediate its ends, said nipple having a



bore extending from its flanged end to said weakened area and formed with an exterior groove extending from said weakened area to the other end.

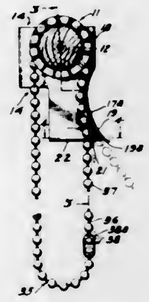
2,577,046

COMBINATION WINDOW SHADE ROLLER BRACKET AND ACTUATING MEANS

Bennett Svirsky, Los Angeles, Calif., assignor of one-half to Armand Montante, Los Angeles, Calif.

Application March 17, 1950, Serial No. 150,145

7 Claims. (Cl. 160—321)



3. In a structure of the kind described, a shade roller bracket supporting a pulley over which a ball-carrying operating strand passes to rotate said pulley, said bracket having a horizontally extending plate portion located in a downwardly spaced relation to said pulley, said plate portion having an edge portion located approximately vertically below the front side of said pulley, there being an inwardly tapering recess cut into said edge portion and terminating in a contracted throat with which the balls carried by said strand are interlockable, and a part carried by said bracket and projecting therefrom against said strand between said pulley and recess so that said strand is normally deflected from the vertical into a locked relation to said throat.

2,577,047

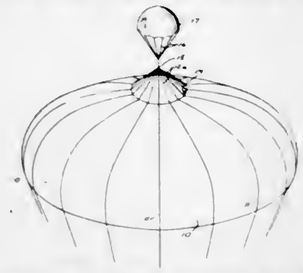
VARIABLE VENT PARACHUTE

Myron L. Taylor, Hudson, Ohio

Application September 9, 1949, Serial No. 114,699

4 Claims. (Cl. 244—145)

1. A parachute comprising a canopy having a margin defining a vent opening and, operatively associated with said margin for permitting enlargement, and by recoil effecting reduction, of the flow capacity of the opening, an endless, one-piece spring metal member extending in general



circumferentially of the opening but of devious form for general elongation by flexure.

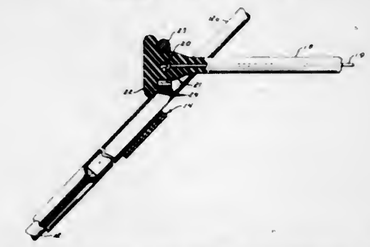
2,577,048

VARIABLE VENT PARACHUTE

Myron L. Taylor, Hudson, Ohio

Application September 9, 1949, Serial No. 114,700

4 Claims. (Cl. 244—145)



1. A parachute comprising a canopy having a margin defining a vent opening, resilient means operatively associated with said margin for permitting enlargement, and by recoil effecting reduction, of the flow capacity of the opening, and breakable means for preventing deformation of the resilient means, for enlargement of the flow capacity, throughout a substantial but limited range of distending force sustained by said margin, said resilient means comprising a reach of material having substantially the resilient deformability of vulcanized soft-rubber and said breakable means comprising a reach of substantially inextensible but breakable material embedded in the resilient material.

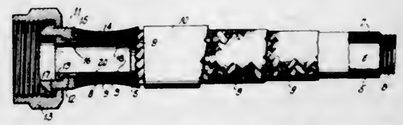
2,577,049

SHIELDED TERMINAL HAVING A COMPOSITE METAL FERRULE FOR A FLEXIBLE CONDUIT

William A. Uline, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware

Application June 23, 1945, Serial No. 601,257

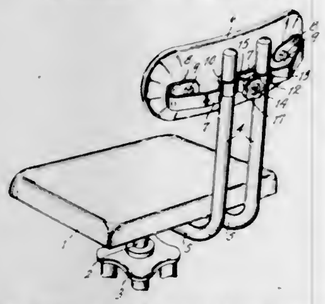
3 Claims. (Cl. 174—35)



1. A tubular conduit comprising a flexible tube of yieldable material, such as rubber or the like, a braided metallic covering closely surrounding said tube, and a composite metallic ferrule se-

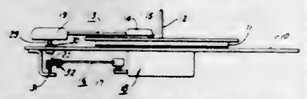
cured to the end of said tube, said ferrule comprising an outer tubular body having at one end thereof a thin-walled sleeve portion with a smooth internal wall surface surrounding the end of said tube and an internal shoulder at the inner end of said sleeve portion against which said tube abuts, and a tubular ferrule core slidably extending through the smallest internal diameter of said body, said core having an external flange at one end engaging an internal shoulder in said body facing oppositely to said first-named shoulder and a liner portion having external ridges thereon extending into said tube, said liner portion being expanded in said tube to extend the end portion thereof and said sleeve portion being swedged inwardly to clamp the tube between said liner and sleeve portions, the latter being reduced in diameter gradually from both ends to a maximum at about the longitudinal center thereof.

2,577,050
RESILIENT BACK REST FOR POSTURE CHAIRS
Tracy Henry Van Buren, Sturgis, Mich.
Application April 4, 1947, Serial No. 739,319
10 Claims. (Cl. 155—157)



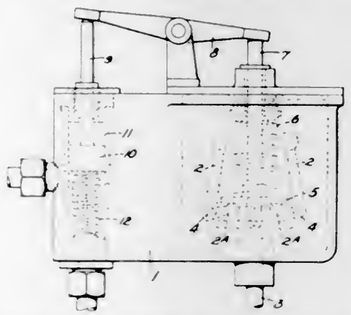
7. In a chair, a seat, supporting means for a back member carried by and rising from said seat, an inflexible back member, and only a single inherently resilient element yieldably mounting said back member on said supporting means in front of the latter, said element being substantially horizontally disposed and extending transversely relative to said supporting means and being fastened intermediate its ends to the latter and having its portions to either side of its intermediate portion diverging forwardly and terminally fastened rigidly to said back member, whereby it mounts said back member firmly on said supporting means for rearward yielding movements both bodily and tiltably in all directions relative thereto.

2,577,051
TONE-ARM AND TRIP-ARM SYSTEM FOR AUTOMATIC PHONOGRAPHS
Elmo N. Voegtlin, Philadelphia, Cleon D. O'Neal, Glenside, and Henry E. Johnston, Philadelphia, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 25, 1949, Serial No. 112,268
5 Claims. (Cl. 274—23)



1. A phonograph combined tone-arm and trip-arm arrangement comprising a tone-arm system adapted mechanically to resonate at a predetermined frequency, a trip-arm system adapted mechanically to resonate at said predetermined frequency, and a mechanical coupling between the tone-arm and trip-arm systems, said coupling including compliant means having a compliance such as to produce a pronounced double-peaked frequency-response characteristic with a deep valley between the two peaks and as to cause said valley to occur substantially at said predetermined resonant frequency of the tone-arm and trip-arm systems.

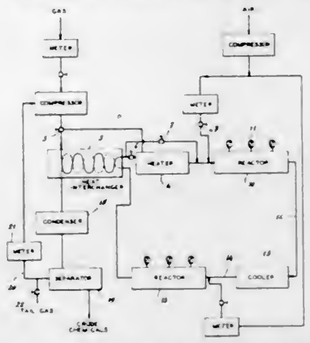
2,577,052
CENTRIFUGAL GOVERNOR OR OTHER MECHANISM REQUIRING SENSITIVE MOTION TRANSMISSION
Daniel Norman Walker, Ashby Parva, near Rugby, England, assignor to Power Jets (Research & Development) Limited, London, England
Application August 24, 1945, Serial No. 612,344
In Great Britain October 20, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 20, 1961
1 Claim. (Cl. 264—15)



In centrifugal governor mechanisms for controlling the movement of a device through a lever system in accordance with the movement of the governor on change of speed; an oscillatory means for preventing the governor or device from sticking comprising a spindle arranged on said governor for rotation therewith and for axial movement on the axis thereof on change of speed to actuate said lever system and device and having a swashplate end formation for imparting a constant and continuous oscillatory movement between said governor, lever system and device during rotation of said governor.

2,577,053
METHOD OF OXIDIZING HYDROCARBONS
John C. Walker, Westfield, N. J., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
Application April 30, 1949, Serial No. 90,600
10 Claims. (Cl. 260—451)

1. The process for producing oxygenated hydrocarbon compounds from normally gaseous hydrocarbon fractions including passing a feed stock comprising normally gaseous hydrocarbon fractions above methane, under superatmospheric pressures through a plurality of reactors arranged in series, admixing an oxygen-supplying gas with the feed stock prior to its entrance into each reactor heating the gases entering the first reactor to a temperature favoring partial oxidation of their hydrocarbon content, removing heat generated in each reaction stage except the last from the gaseous stream while maintaining the temperature of the gases at a value favoring partial oxidation of the said hydro-



carbon fraction until the gases have passed through all the reactors, and condensing and separating normally liquid reaction products from the effluent gases from the last reactor.

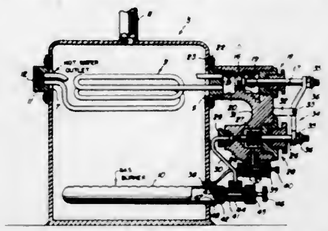
2,577,054
AUTOMATIC BROMINE WATER FEEDER
Herbert Waterman, Los Angeles, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
Application June 24, 1946, Serial No. 678,771
2 Claims. (Cl. 210—29)



1. An automatic bromine water feeder comprising, a closed container adapted to hold a layer of bromine and a super-imposed layer of bromine water into which the bromine from the bromine layer enters by diffusion, an inlet to the container comprising a capillary tube having a funnel at its upper end, said funnel being exterior to and above the container, and the capillary tube extending into the lower end of the container, and a discharge tube from the container having an inlet near the top thereof, and an outlet above the container and below the rim of said funnel.

2,577,055
FLOW RESPONSIVE VALVE
William M. Weldon, Corbin, Ky.
Application July 30, 1948, Serial No. 41,622
2 Claims. (Cl. 137—152)

1. A controller unit for gas fired water heaters comprising a single casting embodying a valve body provided with water intake and discharge connections, a headed plunger type valve member including a stem slidable in said body and having one end extending outwardly beyond said body, a second valve body parallel to the first named valve body and connected to same by an intervening web, said second valve body being for the passage of fuel and having a fuel supply connection and a valved fuel delivery outlet embodying a seat, a spring closed needle valve mounted in said second valve body and cooperable with said seat and including a stem extending to the exterior of the latter body in parallelism with the



valve member stem, a lug carried by said web, a lever pivotally mounted between its ends on said lug, one end of the lever being bifurcated and adjustably connected to the valve member stem and the other end of the lever being bifurcated and connected to the needle valve stem, said second valve body having a side orifice in communication with said fuel supply connection and including a screw threaded socket, and a T-valve unit connected with said socket, said T-valve unit having a manually adjustable needle valve and a fuel outlet adapted to be used as a pilot light.

2,577,056
POCKET IMPLEMENT
Jack Van H. Whipple, New York, and Gerald P. Kammerer, Floral Park, N. Y., assignors to Burdette E. Bostwick, South Orange, N. J.
Application October 16, 1947, Serial No. 780,130
7 Claims. (Cl. 30—162)

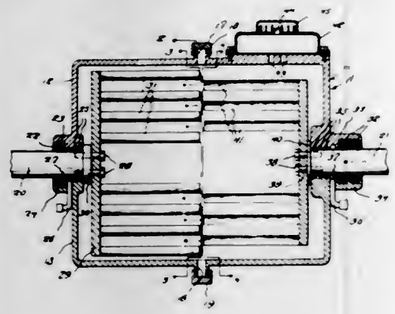


1. A knife comprising, in combination, a generally U-shaped casing comprising front and side walls, each of said side walls having a longitudinally extending blade shank supporting shoulder, each of said side walls also having a longitudinally extending channel formed therein, a blade having a shank portion slidably mounted on said shoulders, and a back plate having its longitudinal edges disposed respectively in said side wall channels for retaining said shank portion on said shoulders.

2,577,057
VANE TYPE HYDRAULIC CLUTCH
David W. White, El Reno, Okla.
Application August 8, 1947, Serial No. 767,374
2 Claims. (Cl. 192—58)

1. A clutch device comprising, a housing containing hydraulic liquid and including opposite end walls, a drive shaft rotatably supported intermediate its ends in one of said end walls, a disc arranged transversely within said housing and fixedly secured to the end of the drive shaft adjacent thereto, a plurality of curved blades arranged longitudinally of said housing in spaced parallel relation with respect to each other, said

blades each having one end fixedly secured to said disc and having the other end spaced from the transverse median plane of said housing, a driven shaft arranged in end to end spaced relation with respect to said drive shaft and slidably and rotatably supported in the other of said end walls, another disc arranged transversely within said housing and fixedly secured to the end of



said driven shaft adjacent thereto, and another plurality of curved blades arranged longitudinally of said housing in spaced parallel relation with respect to each other and in offset relation with respect to said first named blades, said last named blades each having one end fixedly secured to said last named disc and having the other end spaced from said transverse median plane.

2,577,058

MOUNTING FOR JETTISONABLE AIRCRAFT ENGINES

Charles W. Willis, Lynn, Ala.

Application June 21, 1949, Serial No. 100,429
4 Claims. (Cl. 244—54)



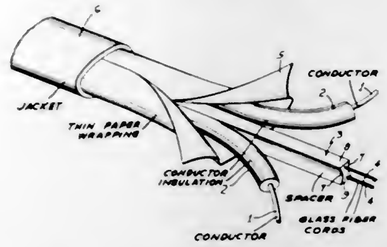
1. The combination with an airplane including a fuselage, a wing extending therefrom, and a tank for containing fuel in said wing, of a mount for dependingly mounting a motor on said wing intermediate its ends thereof, said mount comprising a sleeve member open at one end and closed at the other end arranged below and spaced inwardly of the free end of said wing with its open end facing said fuselage and mounted on said wing for swinging movement about a horizontal axis, a second sleeve member open at one end and closed at the other end arranged below the wing and spaced from said fuselage with its open end facing the open end of said first sleeve member and mounted on said wing for longitudinal movement toward and away from said first sleeve member, an engine supporting member dependingly positioned between said sleeve members and slidably supported in said sleeve members, a frangible fuel control valve means having one end in communication with said fuel tank and having the other end in communication with said engine supporting member; and hand actuable means within said fuselage and operatively connected to said second sleeve member for effecting longitudinal movement of the latter.

2,577,059

ROT-RESISTANT INSULATED CABLE

Herbert C. Witthoft, Marion, Ind., assignor to Anaconda Wire and Cable Company, a corporation of Delaware

Application August 24, 1948, Serial No. 45,802
1 Claim. (Cl. 174—116)



Rot-resistant cable suitable for wiring in damp locations comprising a pair of metallic conductors arranged substantially parallel to each other and each individually insulated with a substantially cylindrical layer of rubber; an elongated rubber spacer positioned between said insulated conductors, said spacer being of a height approximately equal to the outside diameter of the cylindrical layers of insulation and having both sides concave to an extent substantially equal to the convexity of the outer surfaces of said cylindrical layers of insulation, said spacer maintaining the metallic conductors spaced apart a distance greater than twice the wall thickness of said insulation and the top and bottom portions of said spacer serving as fillers for the valley spaces between the insulated conductors; and a sheath thereover, said sheath consisting of a thin paper wrapping less than 0.005 inch in thickness directly surrounding the assembly of insulated conductors and spacer and in substantially continuous contact with the entire peripheral surface thereof, and a rubber jacket surrounding the assembly directly over said paper wrapping, said paper wrapping being tightly adherent over substantially its entire area to the inner surface of the jacket but being non-adherent to the underlying layers of insulation and spacer; the spacer and the insulation of the conductors being individually vulcanized and hence non-adherent to each other or to the paper wrapping with which they are in contact.

2,577,060

ABRASIVE ARTICLE

Charles E. Wooddell, Garret Van Nimwegen, and Edward T. Hager, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application August 12, 1947, Serial No. 768,282
10 Claims. (Cl. 51—299)

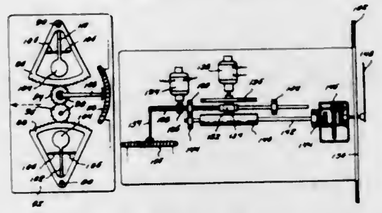
1. An abrasive article comprising about 70–90% by weight of abrasive grains and a bond for the grains comprising about 6–15% by weight of the abrasive article of a copolymer of about 50–90% of a compound selected from the group consisting of conjugated diolefins containing from 4 to 6 carbon atoms and the methyl, phenyl, vinyl and cyano substitution products thereof with 50–10% of an unsaturated ketone having the general formula $C_nH_{2n-2}O$ where n is a whole number from 4 to 7, said copolymer being sulphur-vulcanized to a hard rubber condition.

2,577,061

ACCELERATION RESPONSIVE DEVICE WITH INTEGRATING MEANS

Ferdinand C. Woolson, Hammonton, N. J., and Harold S. Snyder and Roy H. Jacobs, Langley Field, Va.

Application June 29, 1945, Serial No. 602,250
2 Claims. (Cl. 264—1)



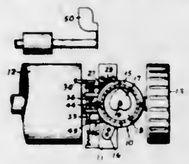
1. Apparatus for indicating the ground speed of an aircraft comprising a substantially level platform, a weight mounted on said platform for swinging movements to respectively opposite sides of its center position in response to acceleration and deceleration of the airplane, a first potentiometer mounted on said platform and operated by said weight upon swinging movements of the latter, a balancing potentiometer mounted on said platform and electrically connected to said first potentiometer, a constant speed electric motor, an aircraft speed indicator, speed ratio varying mechanism drivingly connecting said constant speed motor to said speed indicator and including a longitudinally movable rack bar operative upon longitudinal movement thereof to change the speed ratio between said constant speed motor and said indicator, a reversible motor drivingly connected to said rack bar, a current direction discriminating relay interposed between said first potentiometer and said reversible motor to operate said reversible motor in respectively opposite directions in response to movements of said first potentiometer by said weight to opposite sides of the center position of said potentiometer, and means drivingly connecting said rack bar to said balancing potentiometer to move said balancing potentiometer in a direction to balance out the relay operating current passed through said first potentiometer and thereby stop said reversible motor when movement of said first potentiometer by said acceleration responsive weight is terminated.

2,577,062

PAGE CONTROL AND PAGE CONTROL RELEASE FOR TYPEWRITERS

Lin Yutang, Cannes, France

Application May 3, 1950, Serial No. 159,723
7 Claims. (Cl. 197—189)



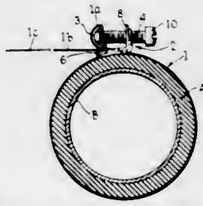
1. In a page control and line indicator for typewriters having a rotatable platen; the combination of an indicating dial, a pointer member adjacent to said dial, drive means interposed between and connecting said pointer member to said platen for rotating them simultaneously, a releasable stop member to limit rotation of said pointer member to less than one complete revolution, means for disconnecting said drive means to disconnect said pointer member from said platen, means for returning said pointer member to an initial position relative to said dial, a key for successively actuating said disconnecting means and said returning means and means connecting said stop member to said key to release said stop member upon actuation of said key.

2,577,063

WRAP-AROUND HOSE CLAMP

Michael J. Zaleske, Union, N. J., assignor to Ideal Clamp Manufacturing Co., Inc., New York, N. Y., a corporation of New York

Application August 3, 1946, Serial No. 688,255
1 Claim. (Cl. 24—19)



A hose clamp comprising a flexible band having a free severable leg and another leg and of a length greater than the circumference of hose to be clamped, a rigid one-piece angular frame having a base and an upright arm, said base being formed with an opening freely receiving said other leg of said band and adapted to receive its free leg when the band is positioned to clamp a hose, said arm having a threaded bore and carrying a screw threaded through said bore to extend over said base, the screw having an integral axial stud of reduced diameter on its end, a rigid one-piece angular pusher held on the screw within the angle of said frame and having an upright portion and a base portion bent backward therefrom toward the arm of said frame, said base portion extending backward beneath and beyond said stud and bearing against the under side of the screw thread, the other leg of said band extending through said opening and under the pusher base portion and thence over the face of said upright portion and to an end portion bent back over the inside thereof, said band end portion and said pusher upright portion having registering central openings therein, said stud extending rotatably through said openings and holding the pusher and said other leg on the end of said screw with the pusher base portion underlying the thread of the screw, the pusher base portion acting through said other leg to clamp the free leg of the band against the frame base when the screw is advanced thereover to clamp the positioned band on a hose, and the pusher base portion at the same time bearing against the screw thread to help sustain the clamping tension.

2,577,064

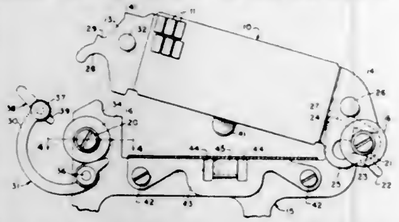
INTERCHANGEABLE TYPE CARRIER

Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application October 7, 1950, Serial No. 188,907
3 Claims. (Cl. 178—25)

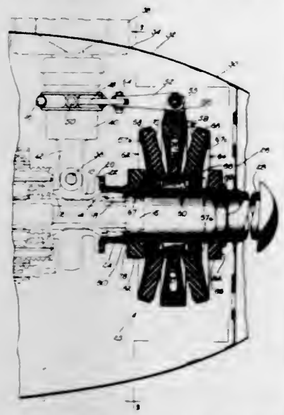
1. In combination, a detachable and interchangeable type carrier, supporting means therefor comprising a pivot for said carrier and a guide means for said carrier, means on said carrier

for pivotally receiving said pivot comprising an open-ended slot having confronting bearing surfaces and resilient means integral to one of said bearing surfaces for biasing one of said bearing surfaces toward the other, clamping instrumentalities, certain of said instrumentalities comprising a bowed lever pivotally mounted at one extremity thereof on said supporting means sub-



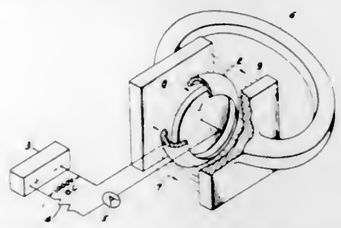
jacent to said guide means and adapted under certain conditions of operation to span said guide means, and a manually operable toggle lever pivotally carried at the other extremity of said bowed lever adapted to cooperate with other of said instrumentalities disposed on said carrier, whereby in response to the pincers effect produced in said bowed lever by said toggle lever said carrier is securely maintained in position.

2,577,065
LIMIT STOP FOR VARIABLE PITCH PROPELLERS
Charles H. Zimmerman, Nichols, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 7, 1945, Serial No. 627,126
11 Claims. (Cl. 170—160.55)



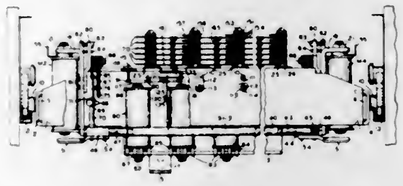
5. A rotary blade assembly adapted to be mounted on an aircraft, a drive shaft, a hub on said drive shaft, blades having shanks, pivotal connections between said shanks and said hub having axes of pivotation at right angles to the axis of said shaft for permitting coning and flapping movements of the blades, means for limiting the flapping movements of said blades including an assembly coaxial with said hub having relatively spaced abutment members and a plate member supported for universal tilting movement between said abutment members, a resilient ring secured to said plate member and freely mounted on said assembly comprising the universal tilting support for said plate member, and means providing an operative connection between said plate member and the shanks of the several blades at points on the latter spaced from said pivotal connections.

2,577,066
PRESSURE MEASURING DEVICE
William A. Arnold, Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application May 9, 1947, Serial No. 746,954
9 Claims. (Cl. 175—183)



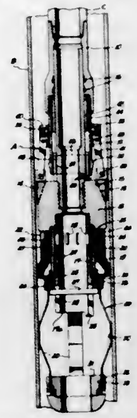
1. Electric discharge apparatus for measuring low pressures comprising means for producing a region of magnetic flux, a pair of concentric annular electrodes annularly spaced from one another and disposed within said field such that the axis thereof is substantially parallel to said field, a periphery of one of said electrodes embracing the adjacent periphery of the other of said electrodes to define a substantially confined electric discharge region therebetween having an arcuate cross section, and an external circuit connecting said electrodes, said circuit including a voltage source and a meter for measuring the current flowing in said circuit.

2,577,067
CROSSBAR SWITCH
Richard P. Arthur, Des Plaines, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application February 17, 1948, Serial No. 8,900
22 Claims. (Cl. 179—27.54)



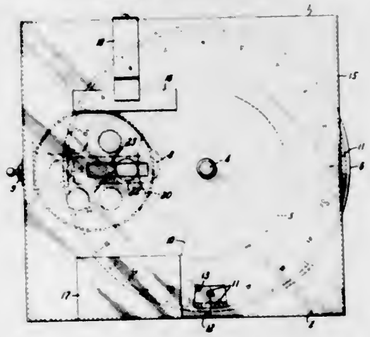
1. In a crossbar switch wherein sets of contact members are arranged in vertical rows and horizontal rows for the operation by a hold bar of any set in a vertical row subject to its lying in a horizontal row selected by a select bar, a mounting frame, a contact bank including the said sets, said bank being mounted on the frame and lying outside the confines thereof, select bars and hold bars lying within the frame and supported thereby in operative relationship to the vertical and horizontal rows of sets included in the contact bank, and means including select fingers attached to the select bars and select members controlled thereby for operatively coupling any contact set of any vertical row to its corresponding hold bar.

2,577,068
WELL PACKER
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application July 20, 1946, Serial No. 685,022
17 Claims. (Cl. 166—12)



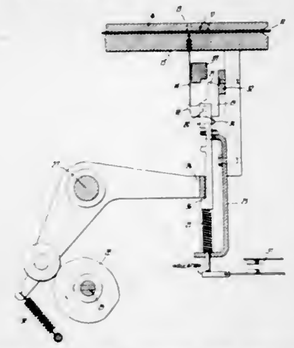
1. A tool for use in a well conduit, including ported tubular means having an outwardly extending sealing surface disposed on one side of its port and transversely to the axis of said tubular means, packing means on said tubular means engageable with said well conduit and disposed on the other side of said port to permit flow of fluid therethrough, said tubular means being movable within said packing means to engage said packing means with said transverse sealing surface and close said port by axially compressing said packing means against said sealing surface.

2,577,069
INHIBITION ZONE READER
John H. Brewer, Baltimore, Md., assignor to Hynson, Westcott & Dunning, Incorporated, a corporation of Maryland
Application May 25, 1949, Serial No. 95,227
1 Claim. (Cl. 33—125)



An inhibition zone reader comprising a cabinet having an opaque top cover, an opaque rotatable spiral measuring disk mounted within said cabinet parallel with and closely adjacent to said top cover, a light source within the cabinet below said spiral disk adapted to throw a shadow of said spiral disk onto said top cover, an elongated translucent portion in said top cover extending in a direction substantially perpendicular to the tangent to said spiral disk at the point where said elongated portion overlies the edge of said spiral disk, said portion being at least coextensive with and overlying the path generated by radial movement only of a point on said spiral disk as said spiral disk is turned whereby a segment of said shadow may be observed from without said cabinet, an index mark on said transparent portion adjacent the end of said portion furthest removed from the center of said spiral, a transparent circular disk mounted coaxially with said spiral disk adapted to actuate rotation of said spiral disk, said circular disk being of larger diameter than said spiral disk and extending at one point on its periphery out through an opening in the side of said cabinet whereby it is adapted for manual rotation, said disk being calibrated to indicate, in cooperation with an index line on said cabinet, the distance between said zero line and the nearest point on the periphery of said spiral disk.

2,577,070
MECHANICAL RECORD SENSING DEVICE
Raymond E. Cheney, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 19, 1950, Serial No. 163,061
9 Claims. (Cl. 235—61.11)

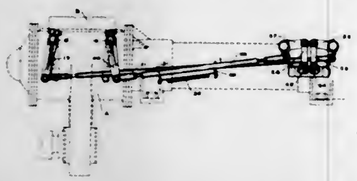


3. A record reading device for reading a position of a record card for the presence of a perforation therein, comprising a slide mounted for reciprocation, a lever pivoted thereto at a point intermediate the ends of the lever, a sensing element on one end of the lever, said lever being weighted at its other end to bias the same rotatably in one direction, a stationary stop, spring means for moving the slide toward a record to cause the element to pass through a perforation therein or to engage the record if no perforation is present, engagement of the element with the record causing the lever to rock in a direction opposite to its bias, into engagement with said stop to interrupt movement of the slide, inertia of the lever causing the same to reverse the direction of movement of the element to withdraw it from engagement with the record.

2,577,071
AUTOMATIC BRAKE APPLYING MECHANISM
George Connors, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application January 24, 1945, Serial No. 574,300
5 Claims. (Cl. 192—12)

1. In mechanism of the class described in combination, a drive shaft, a feed shaft, a clutch

and brake unit for each of said shafts, driving means for said shafts, connections between said shafts and driving means including movable clutch elements, a fixed and movable brake element for each brake and clutch unit, a separate manual device for each clutch and brake unit for controlling the operation thereof, and means



common to the manual devices of both units for simultaneously throwing the manual devices into positions causing engagement of the fixed and movable brake elements of both units and disengagement of the movable clutch elements, immediately upon release of manual pressure on the common means.

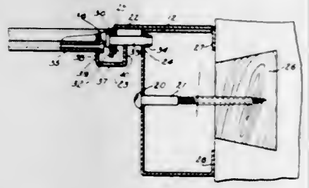
2,577,072

LOUVER CONSTRUCTION

John C. Cotner, Logansport, Ind., assignor to L. D. Long, Charleston, S. C.

Application December 16, 1948, Serial No. 65,681

3 Claims. (Cl. 189—62)



1. In a louver construction, a frame having a side wall, a mounting flange connected to said side wall, said mounting flange having a first portion extending away from the side wall and having a second portion angularly disposed with respect to the first portion and spaced from said side wall in substantially a parallel relationship thereto, a louver having an end portion provided with a laterally extending end flange and corresponding in length substantially to the width of the louver, pivot means fastened to said end flange and extending through the second portion of said mounting flange and said side wall for pivotally fastening the end flange of the louver to said frame, said louver having a longitudinally extending edge portion terminating in a notch having a side disposed at a spaced distance inwardly of said end portion, a rod extension projecting from said side of the notch and extending toward said end portion, and a channel member pivotally mounted on said rod extension to actuate said louver to open or closed position, said channel member having side walls disposed to straddle said laterally extending end flange on the end portion of the louver and the second portion of the mounting flange when the louver is in a closed position, said channel member having a connection portion disposed for actuation, and manually operable means connected to said connection portion for actuating said channel member and the louver.

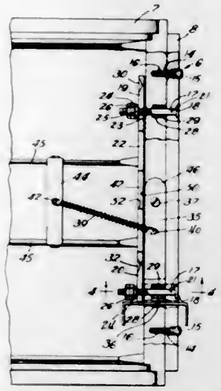
2,577,073

PLATE CLAMP MEANS

Edward F. Dell, Chicago, Ill., assignor, by mesne assignments, to Davidson Corporation, a corporation of Illinois

Application September 27, 1947, Serial No. 776,480

12 Claims. (Cl. 101—415.1)



12. Clamp means for clamping an edge of a lithographic plate or the like to a plate carrier member comprising, a clamp member movable toward and away from said plate carrier member to closed and open positions, respectively, a lock member, a handle member pivotally mounted on said plate carrier member in position for engaging said lock member to shift the latter rectilinearly in opposite directions, means extending through said plate carrier member between said clamp member and said lock member adapted upon rectilinear movement of the latter in opposite directions for effecting disposal of said clamp member in open and closed positions, and means for said handle means in the closed and open positions of said clamp member for disposing said handle means in juxtaposition of the opposite ends of said lock member, respectively, to prevent rectilinear movement of said lock member.

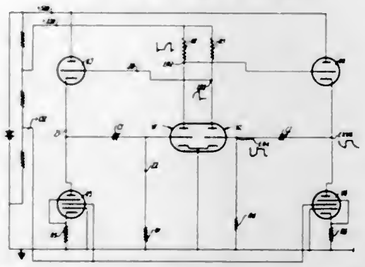
2,577,074

MULTIVIBRATOR

Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application January 18, 1949, Serial No. 71,482

5 Claims. (Cl. 250—36)



4. A multivibrator comprising a pair of electron discharge tubes, means comprising a pair of cathode followers for cross coupling said pair of tubes and a self biasing pentode comprising the cathode resistor of each of said cathode followers.

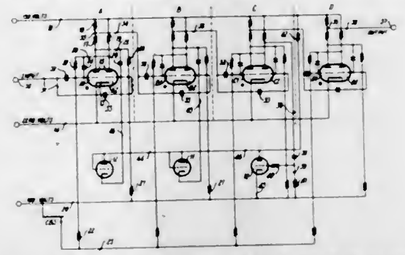
2,577,075

BINARY-DECADE COUNTER

Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application January 21, 1949, Serial No. 71,796

5 Claims. (Cl. 250—27)



1. An electronic counter of the decade type including four trigger circuits each having two conditions of stability alternately assumed, said triggers being connected in a series chain; a source of negative pulses to be counted and a connection therefrom to the first of said triggers; an output connection from the fourth of said triggers for transferring a negative pulse therefrom in response to each tenth pulse from said source; circuit means for placing the counter in a preselected starting condition; a grid controlled tube normally conductive; a connection from the third trigger to the control grid of said grid controlled tube for rendering the latter tube non-conductive when the trigger switches from one stable condition to the other; a pair of tubes each having its cathode connected to a different one of said triggers other than the third and said tubes having their plates connected to the plate of said grid controlled tube, said tubes being rendered conductive when said grid controlled tube is rendered non-conductive to raise the voltage at the triggers connected to their respective cathodes to switch the stable condition of those triggers.

2,577,076

PURIFICATION OF BENZHYDRYL ETHERS

Elwood H. Ensor, Wilmette, and John H. Speer, Morton Grove, Ill., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois

No Drawing. Application September 17, 1947, Serial No. 774,682

3 Claims. (Cl. 260—570)

1. The process for purifying a dialkylaminoethyl benzohydryl ether wherein the alkyl groups contain a total of not more than 4 carbon atoms which comprises forming the citric acid salt of said ether, crystallizing said salt from water and converting said purified salt to purified dialkylaminoalkyl benzohydryl ether.

2,577,077

BUOYANT TOW AND COMMUNICATION LINE

George E. Forsberg, Worcester, Mass., assignor to Surprenant Electrical Insulation Company, Clinton, Mass., a corporation of Massachusetts

Application June 2, 1947, Serial No. 751,679

4 Claims. (Cl. 174—101.5)

1. In a combined communication and tow line, an inner strand heavier than water composed of a plurality of high molecular weight saponified cellulose acetate threads, an electric conductor wrapped around said strand, a plurality of peripheral stands heavier than water each composed of a plurality of high molecular weight saponified cellulose acetate threads disposed around said inner strand, and a sheath lighter than water made solely of a continuous body of



polyethylene surrounding and in contact with said plurality of peripheral strands, the latter strands spacing the conductor from the sheath, and the specific gravity of the communication and tow line as a whole being less than that of water.

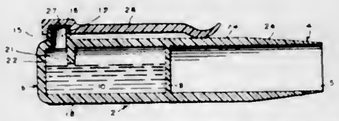
2,577,078

PENHOLDER CAP WITH INK CONTAINER

Mendel Fried, Phoenix, Ariz.

Application February 10, 1951, Serial No. 210,355

3 Claims. (Cl. 120—7.5)



1. A pen holder cap having a body with an axial bore at its lower end adapted to fit over the nib end of a pen holder, and an ink reservoir in its upper end having a threaded nipple on one side adjacent its upper end opening provided with an access hole opening into said reservoir, a closing cap, including a clip, threaded onto said nipple, and a flat base side formed along the body opposite the side bearing said nipple.

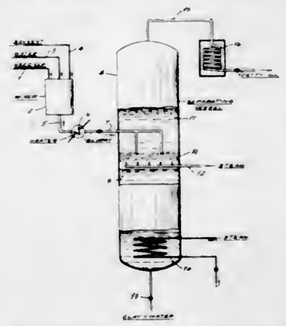
2,577,079

SEPARATION OF FATTY OIL FROM SOLID BLEACHING AGENTS

William P. Gee, Plainfield, N. J., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

Application December 31, 1948, Serial No. 68,554

6 Claims. (Cl. 260—412.5)



1. In the treatment of a fatty material of the class of fatty oils, fatty acids, fatty waxes, glycerides, fatty oil esters and fractions thereof with adsorbent earth in solid particle form, the used earth after separation from the treated substance retaining fatty material adhering thereto which is substantially completely immiscible with water and which is of lower specific gravity

than water when dissolved in a substantially water-immiscible solvent of lower specific gravity than water, a continuous method of recovering said fatty material from the used earth which comprises forming a slurry of used earth and adhering fatty material in the presence of water, continuously passing a stream of resulting slurry to the intermediate portion of a substantially vertical treating zone maintained under pressure sufficient to maintain liquid phase conditions therein wherein an intermediate layer of introduced slurry is maintained between a lower layer of water and an upper layer of fatty material displaced from used earth, heating said intermediate layer by direct injection of steam thereto to about a temperature of 200 to 210° F. such that adhering fatty material separates from the solid particles and rises upwardly into said upper layer and solid particles from which fatty material has been separated become wetted and descend into said lower layer, and separately and continuously removing displaced material and solid particles from said traveling zone.

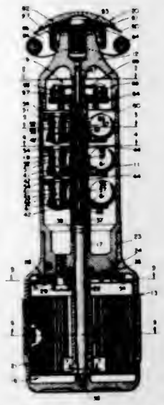
2,577,080
ELECTRIC HEATER
Irving G. Glenn, New York, N. Y.
Application May 31, 1949, Serial No. 96,185
3 Claims. (Cl. 201—67)



1. The method of making metal sheathed electric heating units comprising inserting a helically-wound, open core electric heating element into a tubular liner of a frangible insulating material with the opposite end portions of the heating element extending substantially axially from opposite end portions of said liner, inserting the assembled liner and heating element axially into a tubular metal sheath with the axially disposed terminal portion of the electric heating element projecting beyond the ends of the sheath, filling substantially all of the unoccupied space within the tubular metal sheath with powdered insulating material, swaging the metal sheath sufficiently to contract the same radially and crush the frangible tubular liner and compact the same with the powdered insulation material to fix the electric heating element substantially centrally of the metal sheath, and insulatingly sealing the ends of the metal sheath about the projecting ends of the electric heating element.

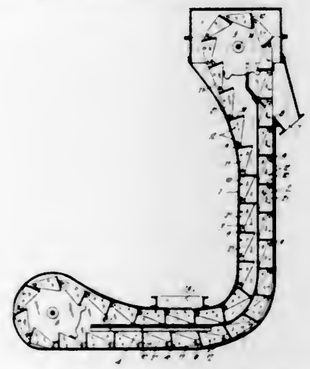
2,577,081
EPICYCLIC MECHANISM
Russell P. Harshberger, Los Angeles, Calif.
Application August 15, 1947, Serial No. 768,902
11 Claims. (Cl. 74—798)

1. In an epicyclic mechanism, a plurality of cooperating roller trains, each comprising a rigid planet carrier, planet elements carried by said carrier, and a rigid sun roller; an enclosing cylindrical surface positioned as to be engaged by planet elements, means supporting said planet elements for displacement on said carrier, and a resilient ring positioned radially within said planet elements and exerting an outwardly directed radial force to move said elements into engagement with said enclosing surface, and



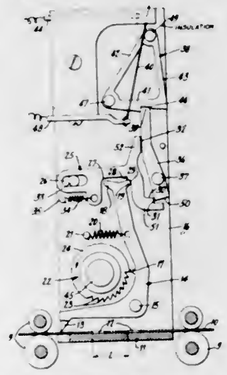
means to transmit the rotative force of said planet elements to said sun roller.

2,577,082
BULK FLOW CONVEYER
Wilbur G. Hudson, Chicago, Ill., assignor to Gifford-Wood Company, Hudson, N. Y., a corporation of New York
Application December 29, 1945, Serial No. 637,829
1 Claim. (Cl. 198—168)



A continuous flow conveyor comprising a casing having a vertically-extending section provided with a discharge opening in the side thereof; a single head sprocket only rotatably mounted in said casing above said opening; a continuous chain in said casing comprising comparatively long links disposed in closely spaced, end-to-end relation, and comparatively short links in substantially spaced, end-to-end relation to receive the teeth of said sprocket therebetween; each of said long links comprising straight, longitudinally-extending portions, laterally enclosing the spaces between the ends of adjacent short links and overlying the major portion of the adjacent following short link; said long links having flights integral with the rear ends thereof and extending laterally and horizontally therefrom when in the vertically-extending section of said casing; means pivotally connecting said long links adjacent the front ends thereof to the next adjacent short links adjacent the rear ends thereof; and means pivotally connecting said long links in a zone substantially midway between the ends thereof to the next following short links adjacent the front ends thereof; whereby, as said chain rides up on said head sprocket said flights will be swung away from said sprocket and tilted to discharge the material carried thereby.

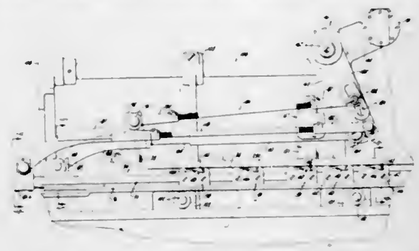
2,577,083
READING UNIT FOR SMALL HOLES
Clair D. Lake, Binghamton, and Wesley Pfaff, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 26, 1950, Serial No. 158,094
3 Claims. (Cl. 235—61.11)



1. A record sensing mechanism, comprising a sensing element normally biased into sensing relationship with respect to a record having a series of spaced index point positions, means for advancing said record, to cause the positions to pass the sensing element in successive order, a circuit closing device, a power element effective to cause the sensing element to sense the positions in succession and effective further upon sensing a perforation in any position, to close the circuit closing device through the sensing element and reopen it during the sensing of the next succeeding position, and means effective in response to the presence of a perforation in said succeeding position for preventing the reopening of said circuit closing device, whereby the sensing of two holes in succession results in continued closure of said closing device for a period equal to that required for two successive full displacements and restorations of said sensing element and a sensing of the next following position.

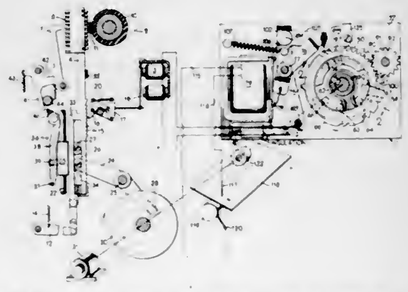
2,577,084
RECIPROCATING STRIP FEEDING MECHANISM
Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application June 1, 1948, Serial No. 30,243
1 Claim. (Cl. 271—54)

A strip feeding device adapted to feed strips to a punch press, comprising a feed table having a groove formed therein and auxiliary feed member adapted to reciprocate and, on one or more feed strokes, to feed a strip along said table and align the leading edge thereof for a first punching operation, a main feed member slidably received in the groove and adapted to reciprocate and, on successive strokes, to align said strip for successive punching operations, said main feed member being channel shaped and slidably receiving within the channel thereof said auxiliary feed member, a first oscillatable member, means for oscillating said oscillating member, a rigid reciprocating element interconnecting said first oscillatable member and said main feed member for reciprocating said main feed member upon oscillation of said first oscillatable member, a second oscillatable member mounted for oscillating movement about the axis of oscillation of said first oscillatable member, a second rigid reciprocating element interconnect-



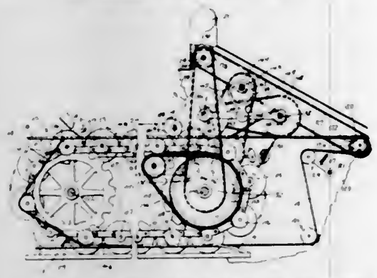
ing said second oscillatable member and said auxiliary feed member for reciprocating said auxiliary feed member upon oscillation of said second oscillatable member, and a third rigid reciprocating element connected at one end to said first reciprocating element and connected at its opposite end to said second oscillatable member for radial adjustment thereof whereby the length of travel of the auxiliary feed member can be increased or decreased by suitable radial adjustment of said opposite end of said third rigid element along said second oscillatable member.

2,577,085
MULTIELEMENT CODE TRANSLATOR
Hans P. Luhn, Armonk, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 13, 1949, Serial No. 104,554
14 Claims. (Cl. 178—33)



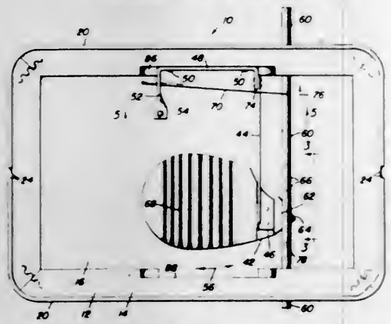
1. A mechanism for controlling contacts in an electric circuit comprising, in combination, a rotatable frame, a plurality of members mounted upon said frame for rotation therewith, said members adapted to be displaced angularly with respect to each other and to said frame, a device engageable selectively with each of said members for effecting its displacement relative to the others of said members, means responsive to electric impulses for actuating said device to engage said members, and means actuated by said members upon predetermined displacements of the latter for operating said contacts.

2,577,086
ONION HALVING DEVICE
Roy M. Magnuson, Campbell, Calif., assignor to Basic Vegetable Products Co., Vacaville, Calif., a copartnership
Application April 7, 1945, Serial No. 587,124
5 Claims. (Cl. 146—73)



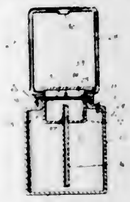
1. An onion halver comprising an endless horizontally extending conveyor having horizontally disposed parallel rollers in side by side relationship forming the runs thereof, means for actuating said conveyor for movement of the upper run thereof in one direction longitudinally thereof, means for feeding a row of onions into alternate of the troughs formed by the adjacent upper sides of adjacent pairs of said rollers and in similar spaced relationship in said troughs, means providing outwardly opening annular recesses in alignment with the runs of said conveyor found in alternate rollers for positioning onions on said rollers in rows extending longitudinally of said runs with their root-stem axes parallel with the axes of said rollers and cutting means aligned with each of said rows for bisecting the onions at substantially right angles to their root-stem axes, said cutting means comprising a row of spaced cutting blades positioned at the forward end of said upper run relative to said direction of movement, means for positioning said blades in the path of movement of the onions in said troughs and a kerf in the outer sides of said rollers for receiving said blades during bisecting of the onions by said blades.

2,577,087
DICE SHAKING APPARATUS
Woodrow W. Meeks, El Dorado, Ark.
Application January 28, 1949, Serial No. 73,316
3 Claims. (Cl. 273—145)



1. In a dice shaking apparatus, a substantially rectangular case having a transparent cover, a panel positioned in said case below said cover and formed with an opening, a dice container provided in said opening, a shaker plate provided under said container and constituting a bottom therefor, a leaf spring having one end thereof secured in said case and supporting said shaker plate at its remaining end, a cam provided on said plate, a reciprocable plunger extending through said case, and a pair of spaced actuating pins provided on said plunger and engageable with said cam, whereby said spring and said plate may be subjected to oscillatory movement for shaking dice in said container, said container consisting of an annular band having an upper edge formed with an outturned marginal flange positioned in overlying relation to the edge of said opening, said annular band extending downwardly from said panel through said opening, together with a bracket secured in said case and including a pair of spaced arms, said leaf spring being secured to one of said arms, the remaining arm being parallel to said plunger and provided with an aperture, and a resilient rod having one end fixedly secured to said plunger and at right angles thereto, the remaining end portion of said rod disposed in the aperture of said remaining arm whereby rotation of said plunger is prevented.

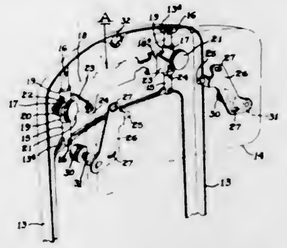
2,577,088
PRESSURE ACTUATED COFFEE MAKER
Sebastiano Melita, Philadelphia, Pa.
Application March 28, 1947, Serial No. 737,788
2 Claims. (Cl. 99—303)



1. In coffee making apparatus, the combination of: a base in the form of a receptacle adapted to contain water and having a top wall formed with a valve opening communicating with atmosphere, a valve in said opening adapted to be closed under the influence of the pressure of steam in said base, a ground coffee receptacle mounted in the upper part of said base, a closure member sealing said coffee receptacle and the upper part of said base, a tubular element extending from a point in the lower part of the base through and into said ground coffee receptacle, a container for brewed coffee positioned above said base, and a tubular loop extending upwardly from the upper portion of said base at opposite sides thereof when it communicates with said ground coffee receptacle and around said container for brewed coffee, said tubular loop having a downwardly opening orifice positioned above said brewed coffee container.

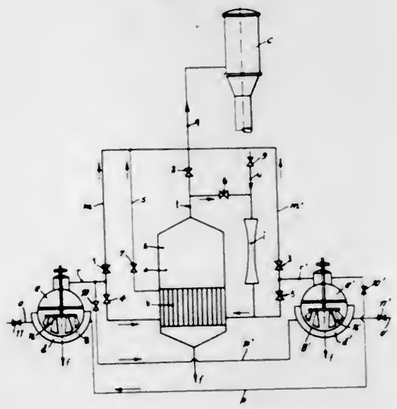
2,577,089
ADJUSTABLE BACK REST FOR CHAIRS
Peter Mondy, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Original application April 5, 1947, Serial No. 739,553. Divided and this application October 2, 1948, Serial No. 52,503
5 Claims. (Cl. 155—158)

1. In a posture chair of the type having seat-supporting means and a back-supporting frame extending upwardly therefrom, the combination of a back rest mounting bracket unit having a rigid cross-bar and spaced arms extending forwardly therefrom, means supporting said mounting bracket unit on said frame for vertical sliding adjustment thereon, a back rest, spaced pivot members rigidly secured to said back rest and



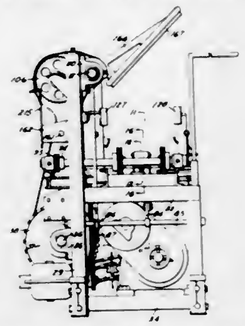
pivotally journaled in said arms respectively for pivotally mounting said back rest on said mounting bracket unit and rearwardly extending bumper elements carried on said back rest and positioned to abut said frame to limit pivotal movement of said back rest in one direction.

2,577,090
EVAPORATING PLANT OPERATING BY THERMOCOMPRESSION
Arturo B. Ottolenghi, Genoa, Italy, assignor to Wedekind & C., Genoa, Italy
Application December 4, 1947, Serial No. 789,659
In Italy December 22, 1942
1 Claim. (Cl. 159—20)



Evaporating apparatus comprising in combination a first evaporating unit, a thermocompressor adapted to be connected with and disconnected from said unit, valved means connecting said thermocompressor with a live steam conduit, two evaporating units having stirring means, valved conduits for supplying live steam separately to each said last unit, valved conduits connecting the evaporating chamber of either of said last mentioned units, with the heating chamber of the other unit and with the heating chamber of said first mentioned unit, and a condensing apparatus adapted to be selectively connected with either of the evaporating chambers of said three units and with the heating chamber of the first mentioned unit.

2,577,091
COVERING BOX DUMPER
Glenn M. Porter, Riverside, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application January 15, 1949, Serial No. 71,110
3 Claims. (Cl. 214—1.1)

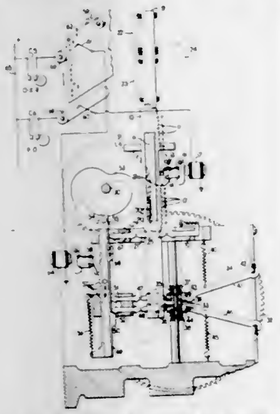


1. In a box dumper, the combination of: a box inverting cradle pivoted on a horizontal axis; a box cover pivoted on the same axis and swingable between initial and end positions; brake means operative to frictionally resist rotation of said cover while said cover is in either of said positions but relatively inoperative to hinder rotation of said cover in a substantial arc of swinging movement between said positions; means responsive to delivery of a box to said cradle to swing said cradle to invert said box and then return said cradle to its starting position; grippers to retain said box in said cradle while said box is inverted, said cover in its initial position being engaged by said box to cover the latter; lock means responsive to movement of said cradle to lock said cover in closing relation to said box; means responsive to movement of said cradle at the substantial completion of the inversion of said box to release said lock means, thereby swinging said cover to its end position and leaving it there while said cradle is returning to its starting position, thereby dumping the contents from said box onto said cover; and means responsive to said cradle closely approaching its starting position for imparting a rapid swinging acceleration to said cover, returning the same from its end position to its initial position.

2,577,092
RECORD CONTROLLED ALPHABETIC PRINTING MACHINE
Richard H. Sampson, Plainfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 20, 1947, Serial No. 792,962
5 Claims. (Cl. 101—93)

1. In a printing mechanism in combination, a carrier mounted for reciprocation, a first actuator for elevating the carrier, a second actuator for depressing the carrier, an interposer for connecting the carrier to the first actuator, another interposer for connecting the carrier to the second actuator, a type head mounted on the carrier having a normal position thereon and shiftable to an alternate position, a device for shifting the type head on the carrier, means for sensing a record card and means controlled thereby for selectively operating said interposers, to cause the carrier to be connected to either said first or second actuator, and for selectively operating

said shifting device, in accormdance with the location of the perforation sensed, whereby the carrier will be elevated or depressed depending



upon which interposer is operated and said movement will be with the head in either normal or alternate position, depending upon whether or not the shifting device is operated.

2,577,093

METHOD OF CONTROLLING FUNGI BY MEANS OF AN ACYLAMIDO NAPHTHOQUINONE

Milton Silverman, Forest Hills, N. Y., assignor to Schieffelin & Co., New York, N. Y., a corporation of New York

No Drawing. Application November 6, 1948, Serial No. 58,811

3 Claims. (Cl. 167—32)

1. Method of inhibiting the growth of fungi which comprises treating the fungi with an acylamido naphthoquinone.

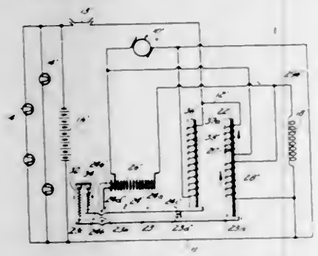
2,577,094

GENERATOR CONTROL FOR BATTERY CHARGING SYSTEMS

Louis H. Von Ohlsen, Hamden, Conn., assignor to The Safety Car Heating & Lighting Co., Inc., New Haven, Conn.

Application September 2, 1949, Serial No. 113,736

8 Claims. (Cl. 320—32)



8. A system for obtaining an increased output from a variable speed generator at high generator speeds, including in combination, a shunt generator having a shunt connected field circuit including a field coil, a storage battery supplied by said generator and connected in series with the latter, a load connected across said battery in parallel therewith to be supplied by said generator and said battery, a variable resistance member connected in series with said field coil in the field circuit of said generator, a variably positioned solenoid core, a spring-biased first lever connected to said core so as to be positioned thereby, a spring-biased second lever operable by said first lever and in turn operatively connected to said variable resistance member to vary the resistance thereof in accordance with the position of said core, a current coil connected in series with said generator and the parallel connections through said battery and said load with its magnetic field acting upon said core to tend to vary the position of the latter, a modifying coil shunted around said field coil and in series with said variable resistance member in said field circuit with its magnetic field also acting upon said core to vary the position response of the latter to the effect of the magnetic field of said current coil in assistive relation to increase current flow through said field coil and consequently the generator output at higher generator speeds, a voltage coil connected across said battery and said load in series with said generator, and a second core connected to said second lever and operable by said voltage coil to vary the position of said lever in limitation of the current flowing through said battery.

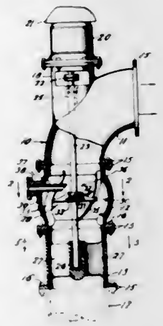
2,577,095

APPARATUS FOR DISPERSING MATERIAL IN A FLUID STREAM

James D. Walker, Aurora, Ill., assignor to The American Well Works

Application October 25, 1946, Serial No. 705,537

4 Claims. (Cl. 261—93)



1. In apparatus for dispersing a material in a fluid stream flowing in a given axial direction under the influence of a hydrostatic head, the combination of a conduit section through which the stream is forced by said head, baffle means mounted in said section and forming with the walls thereof an annular peripheral zone through which substantially the entire stream must flow, a centrifugal impeller mounted in said conduit section closely adjacent to the baffle means, said impeller having a hub and a plurality of blades radiating therefrom on the downstream side of said baffle means, means for driving said impeller whereby fluid on the downstream side of the baffle means is recycled by being drawn inwardly from the annular zone and is then moved in an upstream direction to said hub of the impeller where it is forced by said blades radially outwardly against the stream of fluid passing through said annular zone and substantially at right angles thereto, and means for adding said material to said recycled portion of the stream.

2,577,096

DIAPER

Sena M. Ward, Batavia, N. Y.

Application January 8, 1951, Serial No. 204,907

8 Claims. (Cl. 128—284)



1. A protective garment of the character described, comprising a body sheet having its central portion reduced in width relative to its end portions, securing tapes having free tie portions attached to the end portions of the garment and extending transversely thereof, the lower end portion of the body sheet being provided with apertures to be positioned at the front waist area when applied and adapted to receive the free tie portions of the tape of the upper end portion of the garment body sheet.

2,577,097

METHOD FOR SEPARATION OF AMERICIUM FROM SOLUTIONS CONTAINING THE SAME

Louis B. Werner, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application January 25, 1949, Serial No. 72,752

7 Claims. (Cl. 23—14.5)

1. In a method of separating americium values from solutions containing trivalent americium ions together with the ions of impurities, the steps comprising oxidizing said solution with a hypochlorite to convert said americium ions to the pentavalent state, thereby providing americium ions having precipitation characteristics differing from the same characteristics of said impurity ions, then precipitating in a concentrated carbonate solution said americium ions away from at least some of said impurity ions, and separating said precipitated americium from the solution.

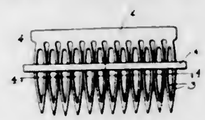
2,577,098

TOOTH CLAMPING DEVICE FOR COMBS

Madelyn Wood, Leicester, Mass.

Application January 20, 1950, Serial No. 139,684

5 Claims. (Cl. 132—22)



1. A clamping device for a comb having a rigid back and a series of resilient teeth, comprising a member pivotally connected to an end tooth of the series and provided with a projection having an inclined surface for engaging a tooth at the opposite end of the series, to urge said teeth towards each other, by a compressive force exerted in a direction substantially parallel to the length of the comb back.

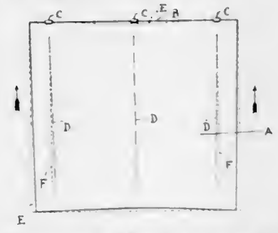
2,577,099

METHOD OF AND MEANS FOR REGISTERING IMPRESSIONS IN MULTIUNIT SHEET PRINTING MACHINES

Alexander J. Albrecht, West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application June 14, 1946, Serial No. 676,733

29 Claims. (Cl. 101—183)



1. In multiple unit offset printing, the method of correcting for expansion of the trailing end of a sheet following a first impression, which comprises leading the sheet through a later printing couple with the middle of the leading edge of the sheet advanced with reference to the corners, whereby the trailing end of the sheet is contracted to bring the first impression into register with that of the later printing couple.

2. In multiple unit rotary printing on a machine of the type in which sheets to be printed are carried through the printing couples by gripper bars having gripping elements settable for gripping and holding the leading edge of a sheet at points spaced across its width, the method of adjusting the trailing end of a sheet for register which comprises bowing a gripper bar carrying the sheet, in a direction to curve the leading edge of the sheet in a plane tangent to its path of travel, before it reaches an impression point and during part of the passage of a sheet therethrough, whereby a later impression is brought into register with a previous impression.

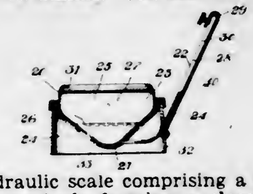
2,577,100

HYDRAULIC SCALE

Octavio Jose Alvarez, New York, N. Y., assignor to Alvarez Patent Corporation, New York, N. Y.

Application July 19, 1946, Serial No. 684,918

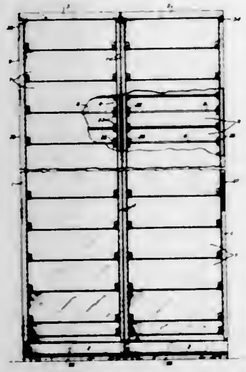
13 Claims. (Cl. 265—47)



1. A hydraulic scale comprising a closed compressible receptacle forming a closed chamber; a weight indicating tube being closed at one end and secured at its other end to said closed compressible receptacle communicating with said closed chamber within the receptacle; a fluid substance in said closed chamber within said closed compressible receptacle filling said closed chamber and reaching into said indicating tube partly filling the same; a first quantity of a gaseous substance arranged within the unfilled part of said indicating tube near the said closed end of the same; a compressible expandable container within said closed compressible receptacle; and a second quantity of said gaseous substance

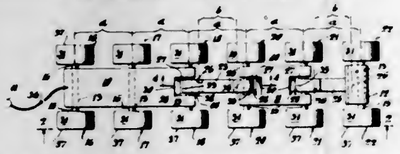
arranged in said compressible expandable container, said compressible expandable container having the same volume as the said unfilled part of said indicating tube when said expandable container is filled with said second quantity of said gaseous substance.

2,577,101
SWITCHBOARD
Eustace T. Ball, Fanwood, James G. Ferguson, Rutherford, and James E. Greene, Basking Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1947, Serial No. 786,102
10 Claims. (Cl. 312—107)



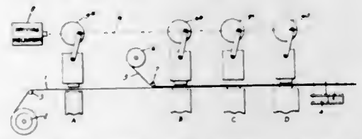
1. In a switchboard frame, two uprights each formed from sheet metal into a tubular shape and having a flange extending outwardly therefrom, said two uprights being assembled with their flanges in alignment and extending toward each other, a base member formed from sheet metal into a tubular shape and having the ends thereof secured to the lower ends of said uprights, and a top member formed from sheet metal into a tubular shape and having the ends thereof secured to the upper ends of said uprights, the flanges of said uprights serving as supports to which apparatus mounting panels may be secured, a plurality of C-shaped brackets connected to each of said uprights and extending rearwardly therefrom, a front cover supported by said uprights, and a rear cover supported by said brackets, each of said brackets having its open portion facing outwardly from the frame with which it is associated whereby the brackets on adjacent frames form a channel through which cable may be passed.

2,577,102
FOLDING PULL TOY
Paul S. Bolger, Forest Hills, N. Y.
Application March 5, 1951, Serial No. 213,947
4 Claims. (Cl. 46—204)



1. A wheeled pull toy having at least two carriages, pairs of wheels having equal axial spacing on their respective axles and adapted to support the carriages, a link for connecting the carriages in a spaced train arrangement and being adapted to permit the carriages to be folded upon each other with the carriages being supported in spaced relation by the wheels of one carriage engaging the wheels of the other carriage, each successive carriage having one less pair of wheels than its predecessor in the train, the link between the carriages being formed with two elongated slots adjacent its ends, each slot being adapted to receive an axle of wheels at the adjacent ends of the respective carriages, the slots being sufficiently long so that when the axles are in the remote ends of the slots the wheels mounted on said axles are spaced apart and when the axles are at the adjacent ends of the slots the peripheries of the wheels mounted on the axles are in frictional contact, abutments on the respective carriages adjacent the ends of the links being adapted to engage the said ends of the links to maintain the axles in the remote ends of the slots only when the carriages are arranged in a train.

2,577,103
METHOD OF MANUFACTURING ELECTRODES
William S. Brian, New York, N. Y., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Original application November 23, 1944, Serial No. 564,768, now Patent No. 2,422,945, dated June 27, 1947. Divided and this application August 14, 1945, Serial No. 610,794
4 Claims. (Cl. 29—25.14)

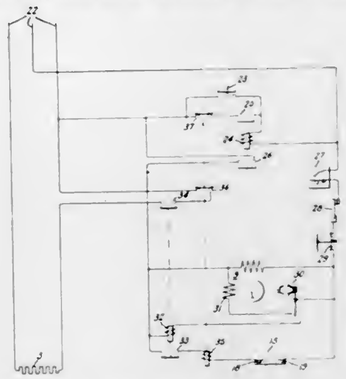


1. In the method of manufacturing an electron discharge device, the method of manufacturing a grid electrode which comprises, punching an aperture in a metallic sheet, superimposing a metallic grid over said aperture, deforming said grid within said aperture to a dish-like configuration extending from the side of said sheet opposite the side to which said grid is applied, bonding said grid to said sheet about the periphery of said aperture, and punching from said sheet and grid a composite disk of a diameter larger than said aperture.

2,577,104
DRIER SAFETY CONTROL
Frank L. Butler, Americus, Ga., assignor to General Electric Company, a corporation of New York
Application May 16, 1950, Serial No. 162,317
2 Claims. (Cl. 34—55)

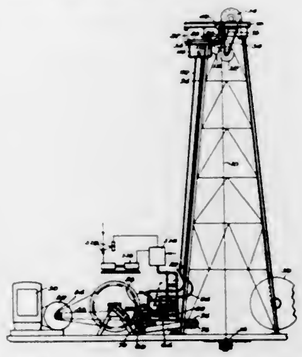
1. In a clothes drier or the like, having a casing, a foraminated clothes receiving drum mounted for rotation in said casing, means including an inlet passage and an outlet passage in said casing for permitting air circulation therethrough, a removable lint-collecting screen in said outlet passage to trap lint which may be suspended in said air flow, electrically operated heater means within said casing for raising the air temperature therein, a motor for rotating said drum, a fan driven by said motor for discharging heated air from said casing at a predetermined rate, and circuits for respectively

connecting said motor and said heater energizing means to a source of electrical energy, the improvement in electrical control means for said circuits comprising a relay having normally open contacts in series in said motor circuit, a circuit for energizing said relay to close said contacts, a relay having normally open contacts in series in said heater energizing circuit, a circuit for energizing said relay to close said contacts, a third relay having normally closed contacts respectively in the energizing circuit of said first relay and in the said heater energizing circuit, means for



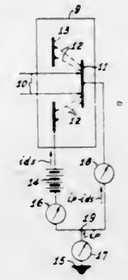
connecting said last named relay to a source of electrical energy to open said normally closed contacts upon reduction in air flow through said screen, including fixed contacts and a movable contact in series in said third relay energizing circuit and a pivotally mounted vane carrying said movable contact and disposed downstream of said screen in the path of discharging air flow to be rotated thereby to maintain an open circuit condition under normal air flow conditions, said vane being counterweighted to cause said last-named contacts to close upon reduction in air flow through said screen as aforesaid.

2,577,105
WELL SPUDDER
Erwin A. Campbell, Wexford, Pa., assignor to Lee C. Moore Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1950, Serial No. 196,821
14 Claims. (Cl. 255—11)



1. In a hydraulic drilling machine comprising a derrick, a crown sheave rotatably mounted at the top of the derrick, a winding drum mounted at the base of the derrick, a drilling cable leading up from the drum over the crown sheave and down to a well-spudding drill attached thereto, the improvement comprising, a loop-forming cylinder having a piston therein with a rod projecting therefrom, a rotatably mounted sheave connected with the rod in a position to engage the section of the drilling cable extending from the crown sheave to the spudding tool, a fixed sheave mounted in the derrick in position to engage the cable a short distance below the point of engagement of the loop-forming sheave with the cable, a hydraulic pump mounted at the base of the derrick, and connections between the pump and the loop-forming cylinder to circulate liquid to and from the cylinder to operate the piston with a pressure and return stroke to form and release a loop in the cable for reciprocating the drill on the cable.

2,577,106
CHARGED-PARTICLE ENERGY METER
John H. Coleman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1949, Serial No. 84,785
17 Claims. (Cl. 250—83.6)

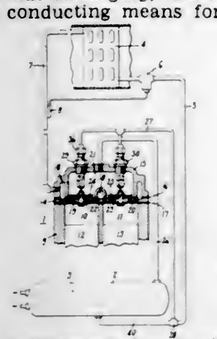


1. The method of determining the unknown energy of nuclear charged particle radiation comprising: determining the secondary emission ratio for known energy particle radiation bombarding targets of known material, determining the secondary emission-energy characteristics of said known targets, bombarding a target of known material by the said unknown energy radiation and determining the secondary emission ratio thereof, and applying said last mentioned ratio to said characteristics, whereby the corresponding energy of said particles of unknown energy is determined.

2,577,107
COMPRESSOR HEAD COOLING SYSTEM FOR REFRIGERATOR MACHINES
Kenneth K. Cooper, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 9, 1947, Serial No. 746,988
12 Claims. (Cl. 62—117.8)

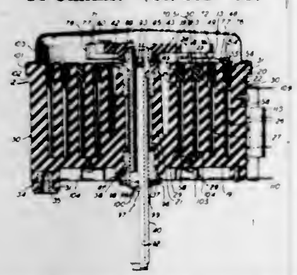
1. In a refrigerating system, a reciprocating compressor having intake and discharge chambers, a condenser connected to receive compressed refrigerant from said compressor, means for collecting a body of refrigerant liquefied by said condenser, means providing communication between said last mentioned means and said discharge chamber for conducting liquid refrigerant to said discharge chamber to cool the gas therein, the flow of liquid to said discharge chamber being produced by instantaneous differences in pressure between the discharge gases in said chamber and

said condenser due to surging, and a check value in said liquid conducting means for preventing



back flow of refrigerant from said discharge chamber through said liquid conducting means.

2,577,108
VARIABLE RESISTANCE DEVICE
Howard L. Coyne, Rockville Centre, Frank D. Fessler, Lynbrook, Leon N. Hampton, New York, and Orwar S. A. Mesch, St. Albans, N. Y., and Walter N. Thompson, Mont Vernon, N. H., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1946, Serial No. 661,212
14 Claims. (Cl. 201—55)



14. A potentiometer device comprising a body, resistance elements and a collector conductor therefor supported in parallel spaced relation in said body, a set of fixed contacts and a collector conductor therefor supported in spaced relation in said body, means supporting said resistance elements said fixed contacts and said collector conductors in said body, a stem rotatably supported in said body, a bifurcated wiper contact carried by said stem and operable as an electrical connecting means between said resistance elements and the collector conductor therefor, a second bifurcated wiper contact carried by said stem and operable as an electrical connecting means between said fixed contacts and the collector conductor therefor, terminals supported on said body and lead wires extending from said resistance elements, said fixed contacts and said collector conductors to said terminals.

2,577,109
FOLDING PAPER CUP
Harold B. Cranshaw, Newton, Mass., assignor to Burnitol Manufacturing Co., Boston, Mass., a corporation of Maine
Application July 9, 1949, Serial No. 103,798
3 Claims. (Cl. 229—25)

1. A receptacle of the class described comprising a cup the rear side of which has at the upper end an integral extension bent over about a fold line at the level of the mouth of the cup, a cover for the cup having a portion overhanging said fold line to form a handle with which to swing the cover to open position by downward pressure on the overhanging position, rubber-band means for yieldingly holding the cover in position in-

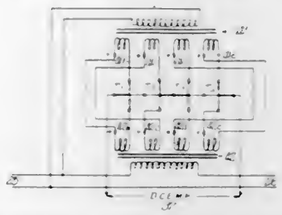


cluding a loop extending under said extension along said fold line for holding the cover against the fold line and a loop extending over opposite edges of the cover at points in advance of said fold line and thence under a portion of the cup, and means to prevent the latter loop from shifting forwardly or rearwardly in relation to the cover.

2,577,110
EXPLOSIVE COMPOSITION CONTAINING VERMICULITE
Austin Maurice Cummings, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 23, 1947, Serial No. 781,759
2 Claims. (Cl. 52—11)

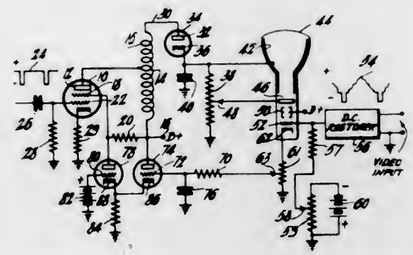
1. A high velocity detonating explosive containing only normally solid ingredients and comprising ammonium nitrate in an amount, greater than 50% of the composition, at least one normally solid organic sensitizing agent for the ammonium nitrate, and between 1.0 and 8.0% of vermiculite in expanded form.

2,577,111
THERMAL CONVERTER
William C. Downing, Jr., and Donald A. Eggleston, Springfield, Ill., and James M. Vanderleck, Toronto, Ontario, Canada, assignors to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application August 28, 1948, Serial No. 46,674
27 Claims. (Cl. 171—97)



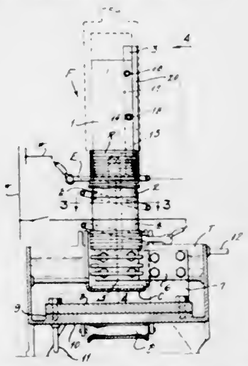
21. In a thermal converter for measuring the power transmitted over an alternating current power line to load apparatus, the combination of a potential transformer connected across the power line, a current transformer connected in series in said power line, said potential transformer having a center tap secondary, a loop circuit having one end connected with the end terminals of said potential secondary, a voltage plus current mixing transformer having its primary connected in one leg of said loop circuit, a voltage minus current mixing transformer having its primary connected in the other leg of said loop circuit, said loop circuit having a mid tap in its other end between said mixing transformers, said current transformer having its secondary connected to the center tap of the potential transformer secondary and to the mid tap of said loop circuit, two groups of isolating secondaries on said voltage plus current mixing transformer, two groups of thermocouple units energized by said two groups of isolating secondaries, each of said thermocouple units comprising a heater element and a thermocouple element, said thermocouple elements being connected in series from one unit to the next, one group of said thermocouple units being connected to their isolating secondaries in one polarity so that their heating currents pass through the heating elements in one direction, and the other group of said thermocouple units being connected to their isolating secondaries in the opposite polarity so that their heating currents pass through the heating elements in the opposite direction, two groups of isolating secondaries in said voltage minus current mixing transformer, two groups of thermocouple units energized thereby, said two latter groups of thermocouple units likewise comprising heater elements and thermocouple elements, with the thermocouple elements connected together in series from unit to unit, one of said latter group of thermocouple units being connected to their isolating secondaries in one polarity so that their heating currents pass through the heating elements in one direction, the other group of said latter thermocouple units being connected to their isolating secondaries in the opposite polarity so that their heating currents pass through the heating elements in the opposite direction, and an output circuit connected with said four groups of thermocouple units.

2,577,112
HIGH-VOLTAGE POWER SUPPLY REGULATION
Vernon J. Duke, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 9, 1948, Serial No. 19,963
1 Claim. (Cl. 315—14)



Cathode ray tube apparatus comprising a cathode ray tube, a space discharge tube having a cathode, an anode, a control electrode and a screen electrode, means for supplying pulses to said control electrode for periodically biasing said tube to cutoff, an autotransformer, the anode circuit of said tube including a portion of the winding of said autotransformer, a rectifier having a cathode and an anode, a connection from said autotransformer to the anode of said rectifier, a connection from said rectifier cathode to an electrode of said cathode ray tube, an electron emitting electrode in said cathode ray tube, an impedance in circuit with said electron emitting electrode, a direct current amplifier, a connection from said impedance for controlling said direct current amplifier, a control tube having at least a cathode and an anode, means for coupling said control tube to said direct current amplifier, means for applying a positive potential from a source of positive potential to the screen electrode of said first named tube including an impedance between said source and said electrode, a connection from the anode of said control tube to the screen electrode of said first named tube, whereby said control tube is operative to vary the potential on said screen electrode in accordance with operation of said cathode ray tube.

2,577,113
APPARATUS FOR HEAT SHAPING PISTON RINGS
Mortimer C. Dunsford, Sullivan, Mo., assignor, by mesne assignments, to Ramsey Corporation, a corporation of Ohio
Application November 22, 1949, Serial No. 128,870
1 Claim. (Cl. 219—13)



A fixture for heat-shaping split piston rings comprising a loader, a mandrel in line therewith, a lining bar projecting from the loader for alining the gaps of the rings, an induction coil contiguous to the mandrel, said mandrel having a central bore and a radial slot extending from the bore to its outer surface, said slot being in alinement with the aforesaid lining bar, and means for moving the rings over the mandrel.

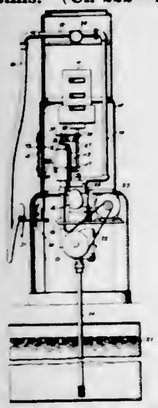
2,577,114
PALLET FOR CAKE OR BAR SOAP
Orville T. Eames, Fort Worth, Tex.
Application January 13, 1949, Serial No. 70,619
1 Claim. (Cl. 45—28)



In a pallet for bar or cake soap comprising a protective plate, a plurality of circular cut-out members formed in said plate and projecting from the upper surface thereof at obtuse angles and in the same direction the said cut-out members being capable of insertion in one face of a

bar of soap, and a plurality of conical embossments formed in said plate opposite said cut-out members providing means for supporting said soap and spacing the same from a supporting surface.

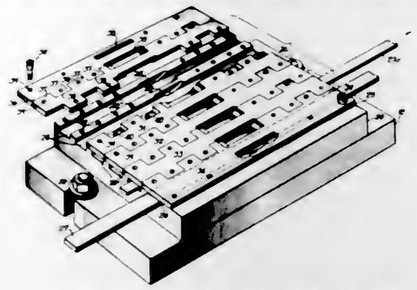
2,577,115
INVENTORY CONTROL DEVICE FOR FUEL DISPENSING DEVICES
Edward R. Eichner, Montclair, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1945, Serial No. 588,494
5 Claims. (Cl. 222—17)



1. In a dispensing apparatus including a dispensing outlet, a supply tank, a mechanized pump for conveying fluid from said tank to said outlet, an electric circuit controlling the operation of said pump, switch means in said circuit and registering means controlled by fluid flow from said tank, a meter and gear train between said pump and registering means, and said fluid flow acting upon said meter and said gear train, the improvement comprising clutch means constituting a part of said gear train, lock means for rendering said clutch engaged or disengaged with said gear train, an additional switch means in said circuit, automatic means actuated by said gear train to open said additional switch means at a predetermined period of operation, means operable upon disengagement of said clutch to open said additional switch means and means operable only when said clutch is disengaged to reset said automatic means.

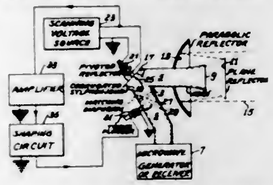
2,577,116
JIG FOR MILLING
Paul H. Fassnacht, West Nyack, N. Y., assignor to Precision Shapes, Inc., Suffern, N. Y., a corporation of New York
Application September 16, 1944, Serial No. 554,386
4 Claims. (Cl. 90—59)

1. A jig for guiding strips of metal passing beneath milling cutters for cutting such strips, consisting of a base and a cover plate, said base having a series of parallel channels of rectangular cross section, each having a flat horizontal bottom wall and two vertical side walls and having about midway its length two opposite arcuate recesses in its side walls, said cover plate consisting of a series of interlocking segments covering the channels in the lower plate when in position and forming a flat horizontal roof for each channel, said cover plate having slots therein registering with the arcuate recesses in the base for the purpose of admitting the edges of the milling cutters passing through the slots into contact with the metal strips for cutting said strips, and means to hold said cover segments and base tightly in place so that said



channels as covered thereby make a tight fit with metal strips introduced thereinto providing enclosures for such strips so that the strips must be forcibly passed through the channels so that said strips are firmly held while passing beneath said cutters.

2,577,117
MICROWAVE SCANNING SYSTEM AND METHOD
George L. Fernsler, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1947, Serial No. 765,037
13 Claims. (Cl. 250—33.65)



1 A microwave propagation system including an antenna system having variable directional characteristics, a microwave signal circuit coupled through a transmission line to said antenna system, means including a rotating joint supporting said antenna for varying said antenna directional characteristics, adjustable voltage means operable simultaneously in response to and in synchronism with movement of said antenna and with said variation of said antenna directional characteristics, and adjustable tuning means for said transmission line separate from said directional varying means and responsive to said voltage means for adjusting the microwave coupling between said circuit and said antenna system to compensate for resultant variations in the output impedance of said antenna system as said antenna directional characteristics are varied.

2,577,118
WAVE GUIDE FILTER
Milan D. Fiske, Burnt Hills, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 2, 1944, Serial No. 538,483. Divided and this application June 4, 1949, Serial No. 97,277
1 Claim. (Cl. 178—44)

The combination, in a wave guide structure of the hollow pipe type which is adapted to propagate high frequency electromagnetic waves, of a pair of transverse metallic walls connected across said guide at longitudinally spaced points thereof, each of said walls having an opening therein reflective to waves propagated along said guide, said walls defining a cavity resonator in the portion of said guide therebetween, a transverse metallic wall connected across said guide



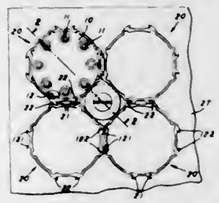
at a point intermediate said pair of walls, said intermediate wall having an opening therein and means for varying the phase separation of said pair of walls to control the amount of reflection of said waves, said means comprising a rotatable metallic member supported in said guide to control the size of said opening in said intermediate wall.

2,577,119
JOINTURE FOR PREFABRICATED STRUCTURES
Albert J. Fitzgerald, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application June 13, 1950, Serial No. 167,817
3 Claims. (Cl. 287—63)



1. The combination, in a jointure of members in a prefabricated structure, of a cylinder having a closed end, said members projecting through slots in the wall of said cylinder in planes extending radially of said cylinder and parallel with the axis of said cylinder, each member having a notch in the edge thereof opposite said closed end, a member stressed between said notch and the wall of said cylinder, and a closure member for said cylinder bearing against said last member causing it to tend to draw said first members inward and to bear them down against the opposite end of said cylinder thereby to prevent vibration of said members.

2,577,120
HONEYCOMB STRUCTURE
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1946, Serial No. 660,275
3 Claims. (Cl. 211—71)



3. A honeycomb assembly of at least three mutually parallel tubular elements grouped together so as to be capable of encompassment by the smallest possible imaginary cylinder, said assembly being adapted to hold in accurate predetermined relation to each other a plurality of articles generally formed externally to fit individually within individual tubular elements of the assembly and each formed externally with a protruding boss, each tubular element having on its inner surface a longitudinal groove adapted to closely, slidingly receive the protruding boss of an article placed in the element and having on the outer surface thereof a plurality of more than three longitudinal dovetail members, half of the members each comprising a first pair of longitudinal tongues projecting from the element surface angularly away from each other and the other half of the members each comprising a second pair of longitudinal tongues projecting from the portion of the element surface diametrically opposite the location of a first pair, said second pair projecting angularly toward each other and being shaped to receive between them in close fitting relation a first pair of tongues from another element.

2,577,121
SUBSTITUTED ETHYLAMINES
Louis H. Goodson, Kansas City, Mo., Robert Bruce Moffett and James E. Stafford, Kalamazoo, Mich., and Willard M. Hoehn, Kansas City, Mo., assignors to George A. Breon & Company, Kansas City, Mo., a corporation of Missouri
No Drawing. Application November 19, 1948, Serial No. 61,123
7 Claims. (Cl. 260—570.5)

1. A compound of the group consisting of 1-(tricyclic aryl)-2-(monocarbocyclic aryl) ethylamines having the formula

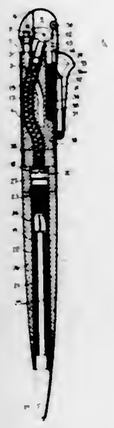
$$\begin{array}{l} Ar_1{-}CH_2{-}CH{-}Ar_2 \\ \qquad\quad | \\ \qquad\quad N{=}B \end{array}$$

where Ar_1 is a member of the class consisting of phenyl and methoxyphenyl radicals; Ar_2 is a tricyclic fused-ring carbocyclic aryl hydrocarbon radical of the class consisting of fluorenyl, acenaphthenyl, and anthryl radicals; and $-N{=}B$ is an amino radical of the class consisting of the primary amino group $-NH_2$, the methylamino radical, and [(di-lower alkyl)amino-lower alkyl]—NH— radicals wherein the number of carbon atoms does not exceed 12; and addition salts thereof.

2,577,122
CIGAR LIGHTER
Alexander Harris, Scobeyville, Alexander H. Aronson, South Orange, and Ray L. Burchett, East Orange, N. J., assignors to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application May 16, 1947, Serial No. 748,562
7 Claims. (Cl. 67—7.1)

3. A cigar lighter construction including an elongated barrel, a wick tube and sparking and snuffer members mounted at the upper end of said barrel, a vertically reciprocable fingerpiece overlying the upper part of the wall of said barrel, the upper end of the fingerpiece being pivoted to the snuffer to open and close the latter as the fingerpiece is reciprocated, a slide block mounted to move vertically in the upper end portion of the barrel to guide the fingerpiece in its aforesaid vertical movements, a spring member connected to said slide block, and extending downwardly therefrom, the lower portion of

the fingerpiece being pivotally connected to the lower portion of said spring member, and a



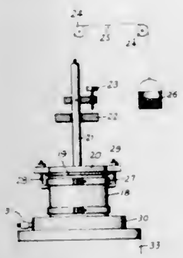
spring within said barrel yieldingly urging said slide block upwardly.

2,577,123

METHOD OF WELDING A BUNDLE OF ALUMINUM TUBES

Aaron L. Hitchens, New Haven, Conn., and Frederick G. Stroke, Temple, Pa., assignors to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware

Application October 16, 1946, Serial No. 703,558
3 Claims. (Cl. 113—112)



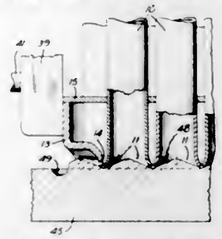
2. The method of bonding a bundle of aluminum tubes having prehexed expanded ends, said method comprising preheating the tubes to an elevated temperature less than welding temperature, applying heat to a welding member having a plane horizontal welding surface at a point removed from said welding surface to raise said welding surface to welding temperature, covering said welding surface with flux to melt the flux, bringing together the preheated tube bundle and the heated, flux-covered welding surface by a feeding movement to engage the edges of the tube ends with the molten flux and welding surface, thereby to selectively melt the tube ends without melting the tube bodies, stopping the feeding movement after a predetermined amount of the tube ends has been melted, and separating the tube bundle and welding member immediately thereafter, whereby the resulting molten metal autogenously casts the ends of the tubes together.

2,577,124

BONDING UNHEXED TUBES

Martin Newcomer, Cheshire, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware

Application January 7, 1947, Serial No. 720,647
4 Claims. (Cl. 29—157.3)



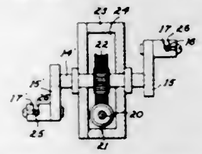
1. In apparatus for welding tubular heat exchangers, a welding member having a generally flat and horizontal surface, said surface having rising therefrom a plurality of relatively flat pyramidal studs, said studs having hexagonal bases, the surfaces of said studs sloping from their apices to their bases, the hexagonal bases of adjoining studs fitting together to form a honeycomb of valleys between the studs, said studs being so shaped as to engage only the ends of the tubes, means for heating said welding member to welding temperature, a holder, means on said holder for holding in spaced relation an assembly of unhexed tubes, means for registering the centers of said tubes in said holder with the apices of said studs, means for moving said holder relative to said welding member to engage the tube ends against the relatively flat surfaces of said studs, whereby said studs expand, hex and melt the tube ends, causing the expanded hexed ends to bond together, and limit means to stop said relative movement of said holder and welding member after a predetermined amount of said tube ends is melted.

2,577,125

WINDSHIELD WIPER

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application July 16, 1946, Serial No. 683,864
4 Claims. (Cl. 15—253)



1. A windshield cleaner comprising spaced wiper shafts, an endless cable operatively connecting the two shafts for oscillating the same, said endless cable having opposite side portions placed in adjacency, and a continuously rotating crank shaft having spaced cranks each connected with a respective side portion of the cable to pull such two side portions simultaneously but in opposite directions.

2,577,126

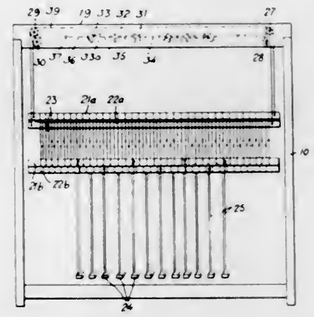
SHAFT MOTION MECHANISM FOR LOOMS

Johan Carl Iwald, Rorosjon, Sweden

Application December 14, 1949, Serial No. 132,901
1 Claim. (Cl. 139—29)

A shaft motion mechanism for looms, comprising two pairs of parallel fixed shafts, guide

rollers mounted for individual rotation on said shafts, upper shaft staves below said rollers, lower shaft staves, heddles connecting said lower to said upper shaft staves, treadles for depressing said lower shaft staves, single rollers and twin rollers suspended between said pairs of parallel shafts, holders for said single rollers and twin rollers, a first shaft cord connected to one end of a shaft stave, a second shaft cord connected to the other end of said shaft stave, means connecting said shaft cords to each other, said first shaft cord running from said shaft stave over one of the guide rollers on one of the shafts of one pair and to said connecting means,



said second shaft cord running from said connecting means over one of the guide rollers on the other shaft of said pair and over one of the guide rollers on a shaft of the other pair and to said shaft stave, a strap running over a single roller and connected at one end to said connecting means and at the other end to a connecting means for other two shaft cords, straps running over one roller of each twin roller and connected at each of their ends to a holder for a single roller, and a cord connected to the holder of one of the single rollers and running over the other rollers of said twin rollers and connected to the holder of another one of said single rollers.

2,577,127

PHOTOGRAPHIC ELEMENT WITH COLLOID LAYER CONTAINING COLOR FORMER AND NONIONIC WETTING AGENT

Andrew Bradshaw Jennings, Edgebrook, and Otis Willard Murray, Rumson Park, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 23, 1946, Serial No. 711,836
9 Claims. (Cl. 95—7)

1. A photographic element bearing a light sensitive silver halide stratum and at least one water-permeable colloid layer containing a color former containing as an active color-coupling group a structure of the formula

$$X-(\overset{|}{C}=\overset{|}{C})_n-\overset{|}{C}=\overset{|}{C}H$$

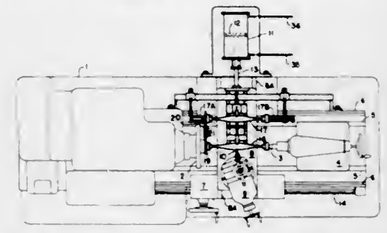
where X is a member of the group consisting of —OH and —NHR, where R is a member of the group consisting of H and aliphatic hydrocarbon radicals, said color former being capable of forming a dye taken from the group consisting of quinoneimine and azomethine dyes and a nonionic wetting agent having a molecular weight of at least 400, and a plurality of oxyalkylene groups in a chain of atoms, said agent being free from sulfonic and carboxylic acid and quaternary nitrogen salt groups.

2,577,128

MACHINE-TOOL CONTROL

Clarence Johnson, Orfordville, Wis., assignor to Bailey Meter Company, a corporation of Delaware

Original application May 27, 1944, Serial No. 537,606, now Patent No. 2,422,682, dated June 24, 1947. Divided and this application September 6, 1946, Serial No. 695,110
7 Claims. (Cl. 82—14)



1. In a tracer control system for a machine tool having a frame and a relatively movable tool holder and work holder adapted to carry a tool and a workpiece, respectively, a sample having the desired shape of the workpiece, means for providing two-dimensional relative movement between said tool holder and work holder and including at least one slide on said frame, one of said tool holder and work holder being mounted on said slide to effect said two-dimensional relative movement, said tracer control system including, means supporting said sample on said frame in the same orientation as said workpiece, a first feeler element slidably mounted on said slide and resiliently urged in a direction to contact said workpiece substantially adjacent the cutting position of the tool, a second feeler element slidably mounted on said slide and resiliently urged in a direction to contact said sample, power means to move said slide, fluid pressure means interconnected with said power means to control same, a valve housing having an axis, means to move said valve housing in accordance with movements of one of said feeler elements, said axis being aligned with the transverse motion of the other of said feeler elements, a valve member disposed within said valve housing, means to move said valve member in accordance with the movement of said other of said feeler elements, said valve housing and valve member incorporated in said fluid pressure means and operative to vary the pressure of said fluid pressure means in accordance with variations in the relative shape of said sample and workpiece as said sample is traversed.

2,577,129

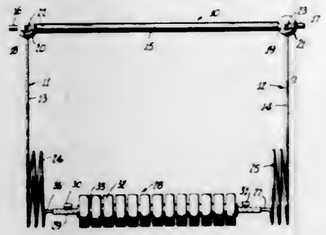
BACK EXERCISING AND MASSAGING DEVICE

Jared C. Johnston and George Philip Schmitt, New York, N. Y.

Application December 30, 1949, Serial No. 135,953
9 Claims. (Cl. 128—57)

9. A massaging device comprising a pair of opposite side frames, each of said side frames terminating at the lower end in a coiled portion, and a resilient roller carried between said coiled

portions and adapted to be raised when said side frames are rocked in one direction on said coiled



portions for applying a rolling pressure to the back of a person lying upon said roller.

2,577,130
PRODUCTION OF POTASSIUM TITANIUM FLUORIDE
Henry C. Kawecki, Fleetwood, Pa., assignor to Kawecki Chemical Company, Boyertown, Pa., a corporation of Pennsylvania
No Drawing. Application December 23, 1950, Serial No. 202,579
10 Claims. (Cl. 23—88)

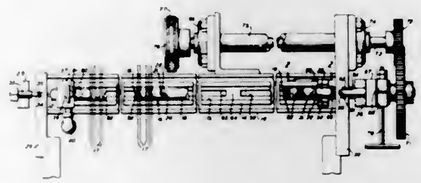
1. The method of producing a potassium titanium fluoride product which comprises forming an intimate mixture composed essentially of ammonium bifluoride, titanium dioxide and a potassium salt of the group consisting of potassium carbonate and potassium fluoride in proportions substantially those required stoichiometrically to provide the potassium, titanium and fluorine components of said product, and heating the mixture to a temperature of at least about 200° C. with the resulting formation of a potassium titanium fluoride product.

2,577,131
YARN WINDING DEVICE
Albert W. Keight, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application July 22, 1948, Serial No. 40,100
6 Claims. (Cl. 242—43.6)



1. In a device for producing yarn packages, the combination with rotating yarn supports and a pair of countermoving ring rails for winding yarn onto said yarn supports, of means for traversing each of said ring rails in opposed, counterbalanced relationship to produce a chaser motion with a traverse stroke of uniform length, and means for superimposing a builder motion alternating in direction on each of said chaser motions, so that the path of the uniform traverse stroke of one ring rail relative to a yarn support is progressively raised while the path of the uniform traverse stroke of the other ring rail relative to a yarn support is simultaneously and progressively lowered.

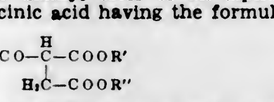
2,577,132
WIRE COATING APPARATUS
Ray C. Kivley, Kenmore, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 17, 1949, Serial No. 99,792
7 Claims. (Cl. 91—51)



1. A wire coating apparatus comprising a roller grooved to guide a wire in a given path, an applicator having a channel therein partially conforming to the roller to serve as a supporting bearing for the roller, means to direct a coating fluid through the channel to coat the wire therewith as the wire travels longitudinally through the groove of the roller, a receptacle for a bath of the coating fluid disposed beneath the applicator and roller, and mechanisms connected to the ends of the applicator to support the applicator and the roller in their coating positions and actuable to lower the applicator and roller in the receptacle to submerge them into the bath of coating fluid when the apparatus is idle to maintain the coating material against hardening on the roller and applicator.

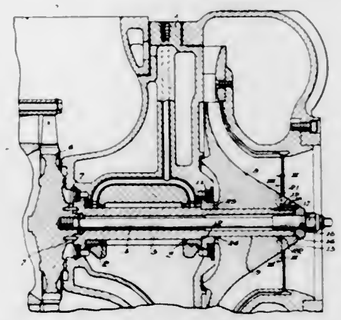
2,577,133
PREPARATION OF KETO-CARBOXYLIC ACIDS AND THEIR DERIVATIVES
Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 13, 1947, Serial No. 734,540
6 Claims. (Cl. 260—483)

1. The process of making a monomeric lower dialkyl ester of an alpha-lower alkanoyl succinic acid which comprises heating a lower dialkyl ester of an acid selected from the group consisting of maleic and fumaric acids with a lower n-alkanal, in relative proportions of from 1 to 20 mols of said lower n-alkanal per mol of said ester, in the presence of a member of the group consisting of organic peroxides and actinic light at a temperature of from 60° C. to 100° C. until a monomeric lower dialkyl ester of an alpha-lower alkanoyl succinic acid having the formula



where R is the lower alkyl radical of said lower n-alkanal and R′ and R″ are the lower alkyl groups of said ester reactant, is formed, and isolating said monomeric ester having said formula from the resulting reaction mixture.

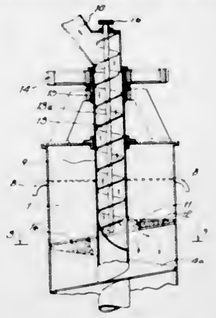
2,577,134
RADIAL SPLINE IMPELLER DRIVE FOR TURBOCHARGERS
Malcolm L. Land, Jeannette, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application February 19, 1949, Serial No. 77,336
1 Claim. (Cl. 230—116)



A turbocharger comprising a hollow drive shaft, bearings supporting the shaft with its ends projecting therefrom, a rod extending through the shaft and projecting from it, a turbine wheel held on one end of the shaft by means of one end of the rod, the opposite end of the rod being threaded, an annular nosepiece keyed on the shaft adjacent said threaded end, means screwed on said threaded end of the rod holding the shaft under tension and the nosepiece on the shaft, an impeller between the nosepiece and the adjacent bearing and provided with a smooth axial bore through which the shaft extends, the adjoining ends of the nosepiece and impeller being provided with at least three circumferentially spaced interengaging radial splines spaced substantially uniformly around the shaft, and a collar mounted on the shaft between the opposite end of the impeller and the adjacent bearing, the adjoining ends of the collar and impeller being provided with at least three circumferentially spaced interengaging radial splines spaced substantially uniformly around the shaft, and the shaft having an annular shoulder holding the collar against the impeller, all of said splines serving to hold the impeller centered on the shaft when the impeller bore is expanded by centrifugal force.

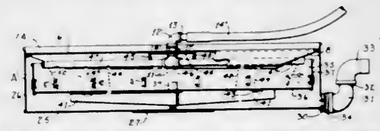
2,577,135
DEVICE FOR EXTRACTION OF SUGAR FROM SUGAR BEET SLICES
Eugen Langen, Elsdorf, Germany, assignor to Pfeifer und Langen, Elsdorf/Rheinland, Germany
Application June 6, 1950, Serial No. 166,347
In Germany June 13, 1949
14 Claims. (Cl. 127—7)

1. In a device for extracting sugar from sugar beet slices wherein slices of sugar beets are moved through an extraction tower in a direction countercurrent to the flow of an extracting liquid in said tower by a rotatable conveyor screw mounted on a shaft within the tower characterized by the upper end of said conveyor screw shaft being hollow from a point above the level of the liquid in the tower to a point beneath the level of the liquid in the tower, said hollow portion of the shaft having an opening therein above the level of the liquid for receiving slices of beets and an outlet located beneath the level of the liquid, said outlet being located within the first canal of the conveyor screw for discharging slices



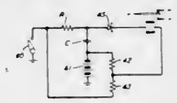
of beets from the hollow shaft onto the conveyor screw.

2,577,136
PHOTOPRINT WASHER
William A. Lenz and Herbert R. Lenz, Lebanon, Mo.
Application April 2, 1949, Serial No. 85,148
15 Claims. (Cl. 95—93)



1. A photoprint washer comprising a shallow tub, a relatively wide bridge member extending diametrally across the tub substantially in the plane of the upper margin thereof and being provided along both of its longitudinal margins with depending flanges, and a spray pipe carried by said bridge member and extending lengthwise along the under face thereof and above the plane of the lower edges of the longitudinal flanges, said spray pipe having a plurality of spaced spray apertures presented angularly downwardly toward the bottom of the tub.

2,577,137
TIME-DELAY CIRCUIT
Frank K. Low, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1947, Serial No. 773,030
2 Claims. (Cl. 175—320)



1. A time-delay circuit comprising a voltage divider, a serially connected circuit comprising a unilateral cell, relay, first element of said voltage divider, and timing condenser, a second element of said voltage divider connected to the junction between said first element and said relay, a timing resistor connected in series with said second element of the voltage divider and connected to the junction between said timing condenser and said unilateral cell, a source of potential connected to ground and to the junction between the timing condenser and the first element of the voltage divider, and a set of contacts connected to ground and the junction between the second

element of the voltage divider and the timing resistor whereby bias is applied to the unilateral cell from the voltage divider the instant said contacts are closed, and, due to the action of the timing resistor and condenser, said bias is removed a timed interval thereafter thereby permitting a sudden current to pass through the unilateral cell and operate said relay.

2,577,138

VERTICALLY ADJUSTABLE SHELVING

Harald Oskar Lundqvist, Stockholm, Sweden

Application February 27, 1948, Serial No. 11,716
In Sweden May 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 28, 1965
1 Claim. (Cl. 211—147)



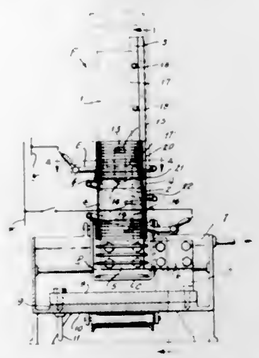
A shelving structure including in combination two side pieces and at least two wooden shelves, each side piece comprising a pair of oppositely arranged wooden corner uprights, bracing members rigidly connecting the said two uprights, each of said corner uprights having a longitudinal groove therein forming two side flanges of equal cross-section and spaced perforations traversing the said side flanges, support pins insertable in said perforations so as to traverse the respective grooves for supporting said shelves adjustably in height, the respective grooves of said pairs of oppositely arranged corner uprights facing each other, each of said wooden shelves having a notch cut out at each corner, two angle bars each fastened to one of the two side edges of the shelf facing the respective pair of uprights when the shelf is in position, each of said angle bars having a first flange and a second flange, said first flange being disposed parallel to the plane of the shelf, thereby re-enforcing the respective end flanks of the shelf, said second flange being perpendicular to the plane of the shelf and protruding at both ends beyond the respective notch, the portions of the first flange adjacent to the respective protruding portions of the second flange being removed so as to form at each corner of the shelf a recess defined on two sides by the two side walls of the respective notch and on a third side by the respective protruding portion of the second flange, the cross-section of each of said recesses corresponding to the cross-section of each of said side flanges of the uprights so that one of the two side flanges of each upright fills substantially completely the respective recess and the protruding flange portion of the respective angle bar extends into the corresponding groove in a vertical plane when a shelf is placed in position between the two side pieces and is supported on said support pins, whereby the shelves are clamped to the uprights and the shelving structure is stabilized by the inserted shelves only.

2,577,139

METHOD FOR HEAT-SHAPING PISTON RINGS

Melvin W. Marien and Carl E. Lippmann, St. Louis, Mo., assignors, by mesne assignments, to Ramsey Corporation, a corporation of Ohio

Original application September 15, 1947, Serial No. 774,002. Divided and this application July 16, 1948, Serial No. 38,958
1 Claim. (Cl. 219—13)



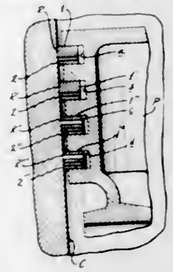
A method of shaping iron piston rings which comprises passing a plurality of the rings continuously over a forming mandrel, subjecting the forming mandrel and the rings while under stress and while moving over said mandrel to heat induced by electric induction to cause said stress to be relieved and the rings to conform to the contour of the forming mandrel, said heat being controlled within limits at which the internal structure of the iron will not be materially altered.

2,577,140

PISTON PACKING RINGS AND ARRANGEMENT THEREOF

Melvin W. Marien, St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation, a corporation of Ohio

Application February 1, 1950, Serial No. 141,643
5 Claims. (Cl. 309—43)



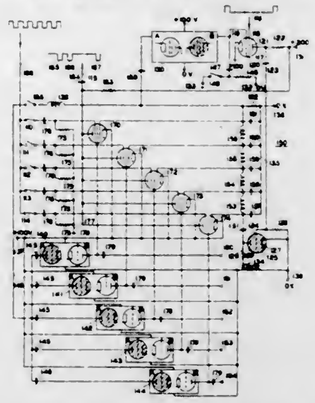
1. In combination with an internal combustion engine, a piston ring comprising a cast iron split annular element having an inherent radial tension to exert substantial pressure against the cylinder wall of the engine and thereby prevent blow-by, and a spring steel helical element juxtaposed to the cast iron element, said helical element having a negligible inherent radial tension merely to exert sufficient pressure against the engine cylinder wall to maintain circumferential contact therewith.

2,577,141

DATA TRANSLATING APPARATUS

John W. Mauchly, Philadelphia, and John Presper Eckert, Jr., Mount Airy, Pa., assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application June 10, 1948, Serial No. 32,168
10 Claims. (Cl. 177—380)



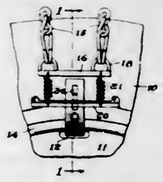
1. In impulse generating apparatus, a passive signal delay line characterized by a predetermined delay interval and provided with a plurality of connections along its length, a device delivering conditioning impulses to said delay line spaced in time by an amount at least equal to the delay interval of said signal delay line, and of duration less than said delay interval, an output signal line, a plurality of signal transfer gates each having an output lead connected with said output signal line and at least two input leads, said signal gates being conditioned to deliver an output signal by the presence of coinciding signals of selected polarity on said input leads, means connecting the first input lead of each of said signal transfer gates with a respective connection of said signal delay line, a plurality of data responsive registers characterized by a first state and a second state, each of the said registers in the first state conditioning the second input lead of a respective one of said gates, means for selecting the state of each of said data responsive registers, and a signal transfer gate disabling device conditioned by an impulse applied from said signal delay line to render said signal transfer gates nonresponsive to subsequent conditioning impulses.

2,577,142

TRACTION PROVIDING DEVICE FOR AUTOMOBILE TIRES AND THE LIKE

Walter L. McGuinness, Waltham, Mass.

Application October 7, 1948, Serial No. 53,228
2 Claims. (Cl. 152—237)



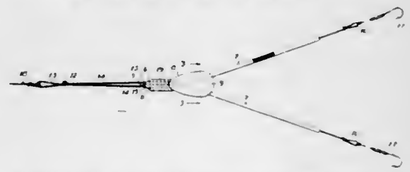
2. In an emergency traction device of the type comprising a road-engaging portion adapted to be extended across the tread of a tire, a resilient felly-straddling portion, a first cross bar through which the road-engaging portion is attached at one end of said felly-straddling portion and a pair of cross bars through which said road-engaging portion is attached at the other end of said felly-straddling portion, said pair of cross bars being interconnected by a plurality of elastic elements radially extensible with relation to the circumference of the tire, the attachment thereof to said felly-straddling portion being effected by means including complementary elements associated with said felly-straddling portion and the cross bar of said pair furthest removed from said road-engaging portion.

2,577,143

COMBINED FISHLINE SINKER AND HOOK SPREADER

Thor Midland, Brooklyn, N. Y.

Application June 5, 1948, Serial No. 31,280
4 Claims. (Cl. 43—42.74)



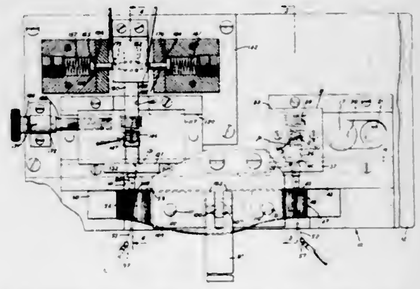
4. A fishing tackle of the kind described comprising two tubular members in juxtaposed relation for a portion of their length and diverging outwardly and upwardly from each other for the remainder of their length, a lead sinker molded around said tubular members at the juncture between the juxtaposed and diverging portions thereof, a leader loosely passing through each of said tubular members, a snell supporting a fish hook fastened to one end of each of said leaders, a line fastened to the other ends of said leaders, and flexible ring members positioned around the juxtaposed portions of the tubular members.

2,577,144

APPARATUS FOR GAUGING THE LENGTHS OF ARTICLES

Raymond W. Mueller, Baltimore, and Richard Stech, Govans, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 31, 1945, Serial No. 638,566
6 Claims. (Cl. 175—183)



1. A gage for determining the distance between two tapped turns of a resistance wire of a potentiometer card, which comprises a station-

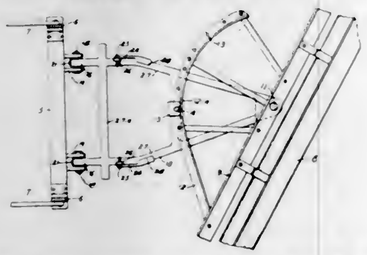
ary contactor for engaging a single turn of a resistance wire of a potentiometer card at a time, a support upon which a potentiometer card may be placed in a position in which one turn of a resistance wire thereof is engaged by the stationary contact and along which the potentiometer card may be slid for movement relative to the contactor, means for electrically determining when the potentiometer card is in a position in which the contactor engages a tapped turn of the resistance wire, means for clamping the potentiometer card in the last-mentioned position, a movable contactor for engaging a single turn of the resistance wire at a time, means for sliding the movable contactor along the potentiometer card, means for electrically determining when the movable contactor contacts another tapped turn of the resistance wire, and means for gaging the distance between the stationary contactor and the movable contactor.

2,577,145

COUPLING DEVICE

Allan B. Nearing and Edward U. Sandin, West Hartford, Conn.

Application April 22, 1948, Serial No. 22,658
4 Claims. (Cl. 280—33.15)



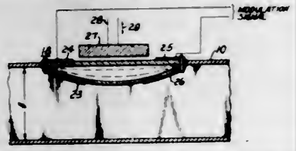
1. For a supporting frame comprising a pair of spaced channel bars and a tie bar connecting said channel bars, a coupling device including a hook portion extending rearwardly from said tie bar opposite each channel bar, the said hook portion including a notch opening downwardly therein, a locking bolt slidable longitudinally in said hook portion and across said notch, an operating lever pivotally mounted on the channel bar, a link connecting said lever to said bolt, and a weight portion on said lever for gravitally urging the locking bolt in locking position.

2,577,146

METHOD OF AND SYSTEM FOR MODULATING MICROWAVE ENERGY

Lowell E. Norton, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 28, 1948, Serial No. 29,835
8 Claims. (Cl. 332—18)



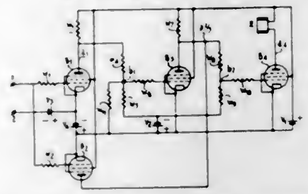
1. The method of linearly frequency-modulating microwave energy propagated through a waveguide at least one of whose walls comprises a sheet of ionized gas which comprises supplying the unmodulated energy to said waveguide, and varying the ionizing field of said gas in accordance with the desired modulation correspondingly to vary linearly the cut-off dimension of the waveguide.

2,577,147

ARRANGEMENT FOR THE IDENTIFICATION OF POTENTIAL DIFFERENCES

Roelof M. M. Oberman and Antonie Snijders, The Hague, Netherlands

Application August 20, 1949, Serial No. 111,394
In the Netherlands March 23, 1946
10 Claims. (Cl. 250—27)



1. An arrangement for the identification of potential differences comprising in combination a first electron tube having a cathode, a grid and an anode; means for applying the potential difference to be identified between said cathode and said grid of said first electron tube; a second electron tube having a cathode, a grid and an anode; means for applying the potential difference to be identified between said cathode and said grid of said second electron tube; means for shifting the control voltage anode current characteristic of said second tube with respect to that of said first tube; a first potentiometer having one of its ends connected to said anode of said first tube; a phase reversing tube including a cathode, a grid and an anode; a tap in said first potentiometer connected to said grid of said phase reversing tube; said anode of said phase reversing tube being interconnected to said anode of said second tube; an end tube having a cathode, a grid and an anode; a second potentiometer having one of its ends connected to said anode of said phase reversing tube; and a tap in said second potentiometer connected to said grid of said end tube.

2,577,148

CONTAINER CONSTRUCTION

John Ernest Page, West Cornwall, Conn., assignor, by mesne assignments, to Gibson Patent Containers, Ltd., a corporation of New South Wales, Australia

Application May 7, 1946, Serial No. 667,891
9 Claims. (Cl. 229—5.7)



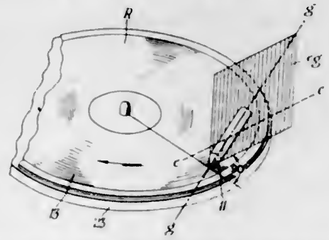
1. In a container having a body of flexible material such as paperboard that is capable of being expanded into tubular form, the combination of a series of rim engaging members formed by cuts in the body and being hinged along a vertical side thereof to the body, said members being spaced about the circumference of the body and springing outwardly from and extending tangentially to the outer circumference of the body when the body is expanded into tubular form, a form retaining and reinforcing rim telescopically fitted on the expanded tubular body, and an inturned annular flange carried by said rim, said flange engaging with an edge of the rim engaging members extending outwardly from the body and preventing lengthwise movement of the rim relative to the body in one direction.

2,577,149

CORUNDUM PHONOGRAPH NEEDLE AND SOUND REPRODUCING APPARATUS EMBODYING SAME

John F. Pelton, Kenmore, and Thomas F. Hart, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application July 18, 1947, Serial No. 761,812
8 Claims. (Cl. 274—38)



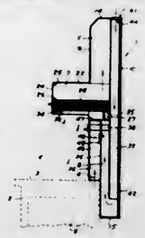
8. In a phonograph having a rotatable record table and a tone arm carrying a needle adapted to cooperate with a record on said table, said needle comprising a unicrystalline corundum point, the *cg* plane of said point being approximately tangent to the edge of said table when said point is aligned with said edge, and the *c*-axis of said point being approximately parallel to said record.

2,577,150

KITCHEN STOVE VENTILATOR

William A. Pledger, San Francisco, Calif.

Application January 27, 1947, Serial No. 724,504
2 Claims. (Cl. 126—299)



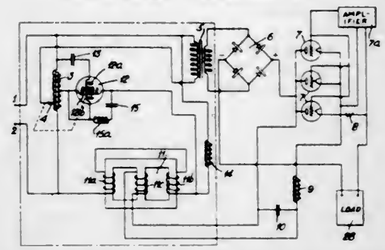
2. The combination of a stove having a cooking surface with a ventilator comprising a plurality of V-shaped filters located over said cooking surface and directly exposed thereto; a blower for drawing fumes and hot air from the cooking surface through said filters; said filters being adapted to condense vapor, grease and oil from the air passing therethrough; a plurality of troughs for collecting vapor, grease and oil condensed by the filters, each of said troughs being located at the lowermost portion of each of said filters; and a drain for collecting condensates from said troughs.

2,577,151

REGULATED RECTIFYING APPARATUS

James A. Potter, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 11, 1949, Serial No. 120,748
12 Claims. (Cl. 321—25)



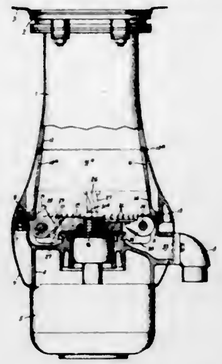
1. A direct current power supply for supplying stabilized current to a load comprising, a rectifier for rectifying current from an alternating current supply source, a circuit for transmitting rectified current from said rectifier to a load, said circuit having two parallel branch paths through which said rectified current is transmitted to the load, one of said branch paths comprising means responsive to the current supplied to the load for controlling at least in part said load current, and means for controlling the alternating voltage from said source impressed upon said rectifier, said latter means comprising a saturable reactive device having a core and a saturating winding thereon and means for connecting said saturating winding in the free parallel branch path.

2,577,152

WASTE DISPOSAL APPARATUS

James H. Powers, Westport, Conn., assignor to General Electric Company, a corporation of New York

Application March 21, 1947, Serial No. 736,139
4 Claims. (Cl. 241—257)



1. In an apparatus for comminuting material, of the type having a rotary flywheel, with a horizontal face for receiving material to be comminuted, a shredding chamber having walls above and surrounding said flywheel face, a material impelling blade in the edge of said flywheel pivoted to move in a plane normal to said flywheel face and radially thereof between an active position in which said blade extends above said flywheel face into said chamber adjacent the wall thereof and an inactive position in which said

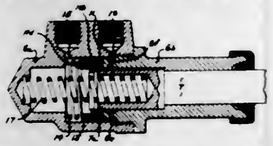
blade is retracted away from said chamber wall and a stationary shredding element on said chamber wall projecting into said chamber adjacent the path of movement of said blade when in active position, for cooperation with said blade, that improvement which comprises an inner edge on said blade close to said flywheel face extending upwardly substantially normal to said face and passing close to and substantially parallel to a portion of said shredding element and chamber wall when said blade is in active position, an outer edge on said blade extending upwardly from said inner edge in the same plane normal to said flywheel face but slanting at an acute angle away from said shredding element and chamber wall when in active position, a single continuous beveled face on the forward side of said blade as regards the direction of rotation of said flywheel, said beveled face slanting at an acute angle to said chamber wall downwardly and forwardly toward said flywheel face from both said outer and inner edges.

2,577,153

MASTER CYLINDER FOR HYDRAULIC TRANSMISSION SYSTEMS

James Henry Pratt, Wythall, Gilbert Edgar Manley, Norton Curlieu, and Albert Henry Godfrey Girling, Redgrave, Diss, England, assignors, by direct and mesne assignments, to Girling Limited, Tyseley, Birmingham, England, a corporation of Great Britain

Application February 9, 1948, Serial No. 7,114
In Great Britain August 4, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 4, 1959
3 Claims. (Cl. 60—54.6)



2. A master cylinder for a hydraulic transmission system comprising an open ended cylindrical chamber, a pressure piston reciprocable into and out of said chamber to create hydraulic pressure on entry therein, an outlet from said chamber, an annular packing means mounted near the open end of said chamber and having a central opening slightly smaller than said piston, the lip of said packing means being angularly directed inwardly relative to said chamber, a hydraulic fluid reservoir, a constantly open port forming the sole connection from said reservoir to said chamber and located exteriorly of said packing means, the inner end of said piston being withdrawn out of contact with said packing means upon movement out of said chamber, and a spring biased to resist entry of said piston into said chamber, the inner end of said piston being imperforate.

2,577,154

APPARATUS FOR PROFILING ARTICLES

Bruno A. Raetsch, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 4, 1946, Serial No. 667,346
3 Claims. (Cl. 90—24.3)

1. A profiling apparatus, which comprises a pair of vertical supports which are spaced apart, a horizontal guideway extending between the supports, a carriage movable along the guideway, a cutter carried by the carriage, means for reciprocating the cutter in a horizontal direction transverse to the movement of the carriage, a master cam having a vertically varying profile and secured adjustably to the vertical supports in a position extending parallel to the guideway, means including a cam follower for raising and lowering the cutter in accordance with said profile as the carriage is moved along the guideway, a supporting plate, means for clamping a plurality of elongated blanks to the supporting plate in predetermined positions thereon, means for adjustably fastening the ends of the supporting

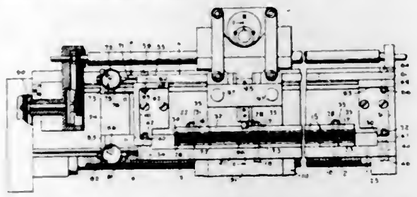


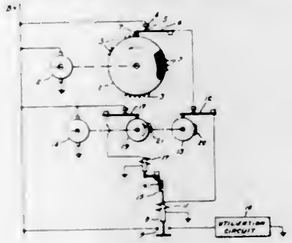
plate to the vertical supports to mount the elongated blanks in positions extending parallel to the master cam, a high-sensitivity indicator having a spring-loaded plunger aligned with the supporting plate and engaged by an end thereof, a second high-sensitivity indicator having a spring-loaded plunger aligned with the master cam and engaged by an end thereof, and means for mounting the indicators in positions in which a comparison of their readings indicates the positions of the blanks with respect to the master cam.

2,577,155

ELECTRIC SWITCHING SYSTEM

Charles H. Rex, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

Application February 23, 1946, Serial No. 649,593
8 Claims. (Cl. 175—373)



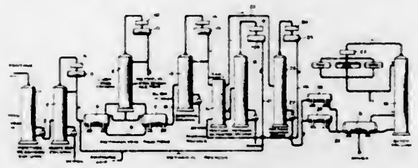
1. In combination, electromagnetic switching means, means for energizing said switching means comprising two pairs of normally open contacts in series circuit relation, first timing means for establishing a continuous series of unit time intervals, selectable program means arranged to close one of said pairs of contacts for a predetermined portion of any of said unit time intervals, second timing means for recurrently closing the other said pair of contacts for a predetermined period during each said unit interval, said periods being included in said predetermined portions of said unit intervals, holding means including a circuit independent of said energizing means for maintaining said switching means in its energized position, and switching means in said circuit actuated by said second timing means for recurrently disabling said holding means at least momentarily for an initial portion of each said predetermined period.

2,577,156

SEPARATION PROCESS

Nat C. Robertson, Corpus Christi, Tex., assignor to Celanese Corporation of America, a corporation of Delaware

Application June 15, 1948, Serial No. 33,030
6 Claims. (Cl. 260—452)



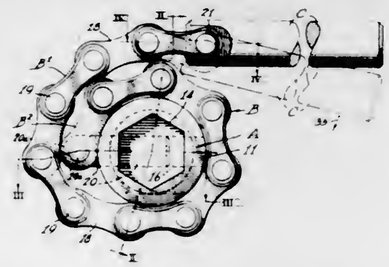
1. In a process for the separation of methyl ethyl ketone and tetrahydrofuran from a mixture of reaction products obtained in the vapor phase oxidation of hydrocarbons, said mixture comprising essentially methyl ethyl ketone, tetrahydrofuran, 2-methyl tetrahydrofuran, formals, acetals and cyclic oxides in solution in pentane, the improvement which consists in distilling off the pentane, heating the residue and removing therefrom the fraction boiling up to 75° C., said fraction containing methyl ethyl ketone, tetrahydrofuran, 2-methyl tetrahydrofuran and formals and reduced amounts of acetals and cyclic oxides, reacting said fraction with methanol in the presence of an inorganic acid methanolysis catalyst at a methanolysis reaction temperature whereby the formals, acetals and cyclic oxides present therein are hydrolyzed and the formals and acetals converted to methylal, methyl acetals and conversion products thereof, separating the methylal and acetal conversion products from the methanolysis conversion product, and then separating the methyl ethyl ketone and tetrahydrofuran from the mixture remaining.

2,577,157

SOCKET WRENCH TURNING DEVICE

Loren A. Ross, Richmond, Calif.

Application May 22, 1950, Serial No. 163,479
2 Claims. (Cl. 81—177)



1. In a socket wrench turning device: a chain, including a plurality of links swingably connected together; a rod secured to one end of the chain, and made for insertion into a transverse opening in a socket wrench; the chain having sufficient length so that it may be wrapped around the wrench until the chain overlaps itself, with links in an outer section of the chain stacked upon links in an inner section thereof; the outer section of chain overlying the rod to retain the rod from dislodgement from the wrench opening; and a lever handle secured to the outermost end of the chain.

2,577,158

DIELECTRIC WAVE GUIDE CLOSURE

Charles A. Rosencrans, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 13, 1948, Serial No. 26,772
7 Claims. (Cl. 250—33.63)



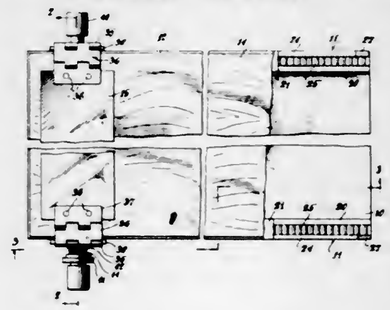
2. The combination of a rectangular waveguide having a first pair of walls parallel to each other and a second pair of walls parallel to each other and normal to said first pair of walls for the transmission of electromagnetic energy within said waveguide with the electric vector normal to said first pair of walls, said second pair being separated by a distance affording transmission in the $TE_{0,1}$ mode at the operating frequency, and having an open mouth for the transfer of electromagnetic energy between the space within said waveguide and space outside the waveguide, and a closure and energy transfer matching element for said waveguide positioned entirely therewithin and having a first portion provided with sides fitted to said waveguide sidewalls, said element being of solid dielectric material and having an end portion closer to and an end portion more remote from said opening than said first portion, each of said end portions being progressively smaller transversely with axial distance from said first portion, said end portion more remote from said waveguide mouth being tapered with dimensions thereof parallel to said second pair of waveguide walls progressively diminishing with axial distance from said mouth, the other said end portion closer to said waveguide mouth having beveled edges, the beveled surfaces of said beveled edges being substantially perpendicular to said first pair of waveguide walls.

2,577,159

DRAWING BOARD

Peter Seferow, New York, N. Y.

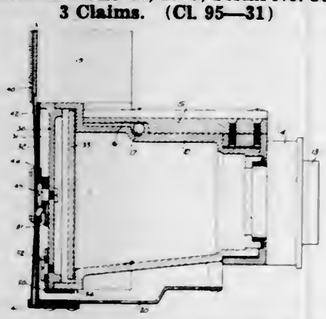
Application March 17, 1949, Serial No. 81,863
4 Claims. (Cl. 33—80)



1. A drawing board comprising a base, a channel member having the lower flange thereof

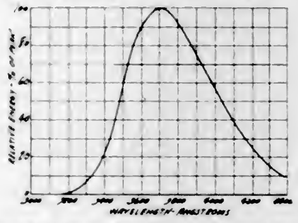
mounted on said base and extending along each side thereof, said channel member having a lengthwise extending slot in the web thereof, a gear rack mounted on a flange of each channel member, a drawing surface mounted on the upper flanges of said channel members, a straight-edge member above said drawing surface having its ends adjacent the sides of said drawing surface, a gear for each of said gear racks, a rotatable shaft having said gears mounted thereon for rotation therewith, and having its ends extending outwardly through said slots, a bearing member adjacent the web of each of said channel members mounted on said shaft adjacent each end thereof, hinge means for connecting the ends of said straight-edge member to said bearing members, and a knob at one end of said shaft for effecting rotation thereof.

2,577,160
SAFETY LOCK FOR ROLL FILM CAMERA DOORS
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application June 28, 1949, Serial No. 101,811
3 Claims. (Cl. 95—31)



1. In a rollfilm camera comprising a camera housing including two pockets located respectively on either side of the exposure aperture and adapted to receive respectively before the start of an operating cycle, a loaded film spool and an empty film storage spool, a detachable camera back, and means to lock said back to said camera housing; a manually operable master element, means actuated by said master element and in operative relation with the film adapted to advance, between exposures, film from the initially loaded spool, to the initially empty spool, past said exposure aperture, means, also actuated by said master element but out of operative relation with said film, to count the number of operations of said master element, and, means operatively connected to said counting means to arrest said locking means in all but two positions, the first position being the one in which the entire film, before the start of an operating cycle, is still completely wound on the loaded spool, and the second position being the one in which the film, after the end of an operating cycle, has been completely wound on the initially empty film storage spool, whereby it becomes impossible to unlock and detach said camera back from said camera housing in all other positions, said film advancing means comprising a rotatable key, adapted to engage said initially empty film storage spool, a gear and a unidirectional clutch connecting said gear to said key, all elements recited so far being carried by the camera housing, said master element including a reciprocating rack, adapted to engage and drive said gear, carried by the camera back, one stroke of said rack imparting a rotary motion to said gear and thereby to said key causing the film to advance a certain length corresponding to one exposure; and said counting means comprising a rotatable ratchet wheel and a dial indicating exposures fastened thereto, both carried by the camera back, and a pawl carried by said rack and normally out of contact with the teeth of said ratchet, but striking one of said teeth at the end of the stroke of said reciprocating rack, causing said ratchet to rotate and said dial to advance from one exposure indicating position to the next one.

2,577,161
CERIUM ACTIVATED CALCIUM-MAGNESIUM SILICATES
Arthur L. J. Smith, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1949, Serial No. 107,615
11 Claims. (Cl. 252—301.4)

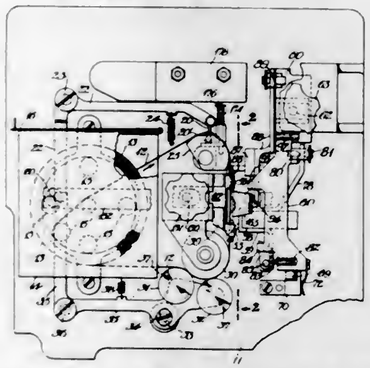


1. A crystalline luminescent material having the general formula

$$n(CaO).MgO.2SiO_2:xCe$$

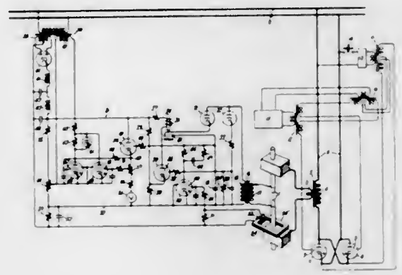
where n has a value from 1 to 3, inclusive, where the cerium activator is in the trivalent state, and where x has a value of from about 0.005 to about 0.2.

2,577,162
SOUND FILM DRIVE AND GUIDE
Thomas C. Smith, Frederick H. M. Hart, and William A. Freer, Poughkeepsie, N. Y., assignors, by mesne assignments, to Recordgraph Corporation, a corporation of Delaware
Application April 16, 1946, Serial No. 662,546
7 Claims. (Cl. 274—11)



4. In sound recording and reproducing apparatus, a record medium in strip form, means for longitudinally advancing said strip including means causing a section of the strip at a selected location to advance in a plane, transducer means positionable in and out of cooperating relationship with said strip adjacent said location, guide means normally restraining lateral motion of the strip from said location, control means operable to move the transducer means out of said relationship with the strip and simultaneously to displace the guide means to a position removed from said location.

2,577,163
RESISTANCE WELDING AND RESISTANCE WELD TESTING
Eugene R. Spittler and Ivar W. Johnson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 4, 1944, Serial No. 534,010
5 Claims. (Cl. 219—10)



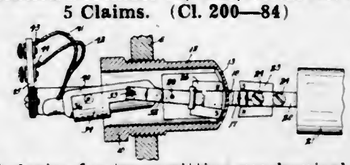
1. The method of resistance welding metallic work parts which comprises supplying welding current to said work parts through the agency of pressure exerting electrodes in order to form a weld between said parts, measuring the voltage across said weld during its formation, and interrupting the flow of welding current through said electrodes when the voltage across said weld attains a substantially constant value.

2,577,164
ELECTRONIC DEVICE
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application March 20, 1945, Serial No. 583,801. Divided and this application January 18, 1946, Serial No. 642,047
10 Claims. (Cl. 313—104)



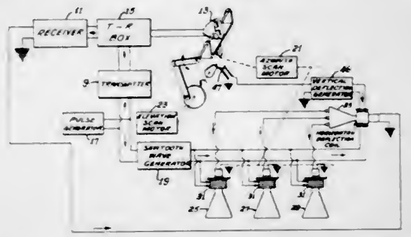
1. A selectively bidirectional thermionic tube comprising an envelope enclosing at least a cathode, a control electrode, a pair of secondary-electron-emissive anodes and a pair of secondary-electron-collector electrodes, each of said collector electrodes being responsive to secondary electrons derived substantially only from an adjacent one of said anodes, a direct connection from one of said anodes to the one of said collectors adjacent to the other of said anodes, and a direct connection from the other of said anodes to the other of said collectors adjacent said one of said anodes.

2,577,165
CONTROL DEVICE
Joseph O. Thorsheim, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 16, 1948, Serial No. 65,703
5 Claims. (Cl. 200—84)



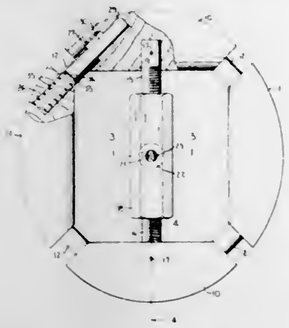
1. A device for transmitting mechanical movement comprising, in combination, a support including an impervious wall of nonmagnetic material, a U-shaped permanent magnet pivotally mounted on said support with the poles of said magnet spaced in a plane normal to said axis and with pole faces adjacent said wall, said wall being shaped so that both of the poles of said magnet remain at a constant distance therefrom during pivotal movement of said magnet, a second U-shaped permanent magnet disposed on the opposite side of said wall with pole faces adjacent said wall, and having a pole spacing similar to said first magnet, said second magnet being pivotally mounted on said support on the axis on which said first magnet is pivoted and with its poles reversed with respect to said first magnet, and spaced in a plane normal to the pivotal axis passing through the poles of said first magnet.

2,577,166
AIRCRAFT TRAFFIC CONTROL SYSTEM
William A. Tolson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1947, Serial No. 777,062
6 Claims. (Cl. 343—11)



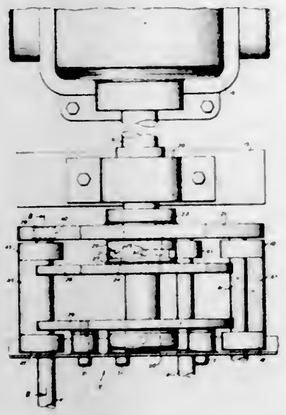
2. In a radio navigation system including ground based radar equipment which transmits pulse modulated radio signals in a narrow beam and receives those of said signals which are reflected by mobile craft within a service area after delays proportional to the ranges thereof, means moving said beam to scan said service area continuously in azimuth, means simultaneously moving said beam to scan cyclically in elevation, visual indicator means synchronized with the pulse modulation of said radar equipment, means for applying reflected pulse signals received from any craft in said service area to said indicator means, the last-mentioned means including means responsive both to the delays of the pulse signals received from said craft and to the elevation angle of the beam while said last-mentioned signals are being received to cause the indications provided by said indicator means to have a distinctive character representing the altitude layer in which said craft is located.

2,577,167
HAT EXPANDER
George Vlasis, Milwaukee, Wis.
Application July 25, 1949, Serial No. 106,512
9 Claims. (Cl. 223—25)



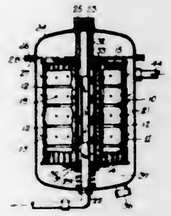
5. In a hat expander, the combination with end sections and side sections having adjacent ends provided with axially aligned oblique bores, of a sleeve fixed in one of said sections and having an end extending telescopically into the bore of the other, a bar fixed in said other section and reciprocable telescopically in the sleeve, and a compression spring within said sleeve and seated against said bar.

2,577,168
TAKEUP REEL MECHANISM
Walter J. Volckhausen, Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1950, Serial No. 173,281
4 Claims. (Cl. 242—113)



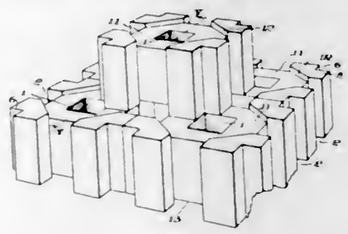
1. A takeup apparatus for material comprising a drive shaft, energizable power means for driving the shaft in a given winding direction, a support mounted concentric with the shaft for rotation relative thereto, a clutch connecting the support to the shaft adapted to permit limited relative movement thereof, a plurality of arms parallel with each other and the axis of the shaft disposed at spaced positions in circular arrangementt about the support, means disposed adjacent like ends of the arms to connect the arms to the support for rotation with the support and for like swinging movements of the arms between their winding positions and their unloading positions leaving the major portions of the lengths of the arms to support the material to be wound thereon, and an element fixedly mounted on the shaft adjacent the support and having the cam-like portions positioned to engage their respective arms to force the arms to swing outwardly into their winding positions upon energization of the power means and to maintain the arms in this position during energization of the power means.

2,577,169
OIL FILTER
Benjamin H. Von Pentz, Valley Stream, N. Y.
Application March 29, 1949, Serial No. 84,103
1 Claim. (Cl. 210—183)



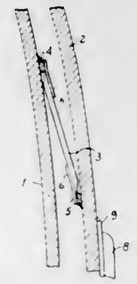
A filtering device which comprises a casing having an upper lateral inlet pipe, and a central lower outlet pipe in its bottom wall, a container disposed within said casing, and having imperforate top and bottom walls and a perforated peripheral wall, a filter element within the container comprising a central strip metal perforated core with unconnected overlapped edges, a band of spaced lengths of cloth with an intermediate length of impregnated paper with staggered holes therein, a layer of loose fibrous material laid along one face of said band, said band and material being rolled up around the core to fill the container, and a perforated pipe extending through said core and connected at its lower end to the outlet pipe in the casing.

2,577,170
CHECKER-BRICK
Harry W. Walters, Erie, Pa., assignor of one-half to R. Green Annan, Pittsburgh, Pa.
Application November 14, 1949, Serial No. 127,116
7 Claims. (Cl. 263—51)



1. A checkerbrick of generally square shape having a central vertical flue passage through it, each corner portion of the brick having a vertical corner wall substantially the same shape and width as one-quarter of the side wall of said passage, each side of the brick being provided with a central recess having a vertical side wall substantially the same shape and width as one-half of the side wall of said passage, whereby when four of such bricks are grouped side by side in a square each of the four vertical passages formed by their registering side recesses and the one vertical passage formed by the adjoining four corner portions of the bricks will be substantially the same size and shape as said flue passage, and each of the upper and lower surfaces of said checkerbrick being provided with a central recess having four side walls arranged in a square but separated from one another, each of said four side walls extending diagonally across a different corner portion of the brick from one of said side recesses to another and being located at least slightly closer to the adjacent said vertical corner wall than to said flue passage, whereby the recess in the lower surface of such a brick is formed to receive the upper ends of all of said adjoining four corner portions of said grouped bricks to lock them together.

2,577,171
MULTISHELL FLUID STORAGE APPARATUS
John H. Wiggins and John W. Allen, Cook County, Ill.
Application July 31, 1946, Serial No. 687,356
2 Claims. (Cl. 220—15)



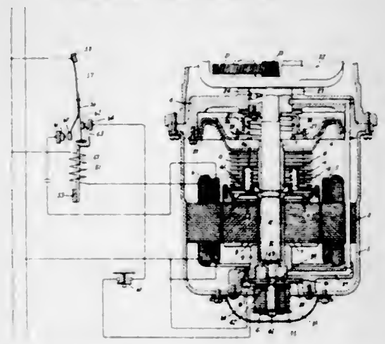
1. A fluid storage apparatus, comprising two shells arranged one within the other in spaced relationship, an abutment means projecting laterally from the exterior of the inner shell, an abutment means projecting laterally from the interior of the outer shell, said abutment means being in vertical, spaced relation with respect to each other, and radially-movable, stiff, plate-like supporting devices in unattached, rockable engagement with the lower abutment means on one of said shells and with the upper abutment means on said other shell.

2,577,172
COMMUTATOR TIMING MECHANISM
Francis B. Woestemeyer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1949, Serial No. 84,202
6 Claims. (Cl. 200—35)

1. A commutator timing device comprising an escape wheel, a mechanism for driving said escape wheel, an inertia wheel carrying a rotating contactor, said inertia wheel being flexibly coupled to said escape wheel to permit relative movement in one direction, a plurality of stationary contacts for engaging said rotating contactor, and a ratchet release mechanism carried by said escape wheel for providing relative movements of said wheels in another direction to permit said moving contact to disengage itself from said fixed contacts.



2,577,173
OVERLOAD PROTECTION FOR DRIVE MOTORS OF AUTOMATIC WASHING MACHINES AND THE LIKE
Joseph C. Worst, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application July 1, 1949, Serial No. 102,554
2 Claims. (Cl. 192—.02)



1. In a washing machine of the single basket wash and spin-dry type having a single motor for the washing and spin-drying operations, said motor having a start winding and a running winding, a hydraulically actuated clutch system for drivingly connecting the motor to the basket, a source of hydraulic pressure, and an electrically operated valve for valving liquid under pressure to said clutch system to engage the clutch or for relieving said pressure to permit said clutch to disengage according to whether the valve circuit is closed or open, the improvement in means for relieving said pressure in the event of motor overload comprising a relay switch having an actuating coil in series with said running winding, a switch in the start winding circuit, and armature means common to said switches for closing or opening one or the other according to the condition of energization of said coil, said armature being biased to close said valve circuit but responsive to the value of the starting current demand in said motor to open said circuit and close the start winding circuit, and under current demand conditions above normal running

values but less than the starting value to open the valve circuit switch for clutch pressure relief without closing said start winding circuit switch.

2,577,174

ELECTRIC LIGHT FIXTURE HAVING A CLUSTER OF LIGHT SOCKETS MOUNTED THEREON

Joseph Worth, New York, N. Y., assignor, by mesne assignments, to Leviton Manufacturing Company, Brooklyn, N. Y.

Application October 25, 1947, Serial No. 782,181
4 Claims. (Cl. 240—78)



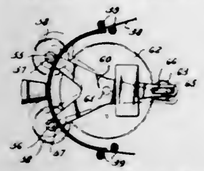
1. A lighting fixture comprising a cluster bracket, said bracket comprising a base, wing members extending upwardly from the base substantially at right angles thereto, and being equiangularly spaced apart, said wing members being tangent to a common cylinder and extending beyond the base to the same side of a radial line from each wing to the axis of the base, and electric bulb receiving sockets fixed to the extending portions of said wing members, the axes of said sockets being disposed in a common plane, the axis of each socket being disposed at right angles to the wing member on which it is mounted, and each socket being disposed beyond the wing member adjacent to the wing member on which the socket is mounted.

2,577,175

INTERMITTENT TRANSPORT MECHANISM FOR PHOTOGRAPHIC FILM AND THE LIKE

Irving W. Akers, Hollywood, Calif., assignor to Hycon Mfg. Company, a corporation of California

Application November 14, 1949, Serial No. 127,058
2 Claims. (Cl. 88—18)



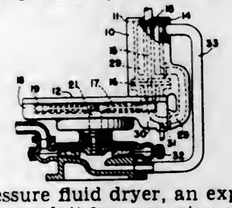
1. In combination in photographic apparatus of the type having an intermittently moved photo-strip positioned and guided in a predetermined threading path therein, means for intermittently advancing said strip along said path which includes: an arcuate guideway in said threading path; reciprocating means including a pivot bearing at the center of curvature of said guideway, a mount supported for pivotal movement on said pivot bearing, and power means to oscillate said mount about said pivot bearing; a pair of rotary strip-advancing members rotatably supported on said mount and each having a driving periphery substantially tangent to said guideway to engage a strip therein; and drive means for intermittent rotary motion connected to said advancing members and including a continuously and uniformly rotating rotary transmission member coaxial with said pivot bearing to rotate said advancing members whenever said mount moves in one direction and to hold said advancing member against rotation whenever said mount moves in the other direction, said power means and said rotary transmission member being operatively connected to drive said rotary transmission member at a rotary speed substantially equal to the rotary speed of forward oscillatory motion of said mount, whereby to alternately advance and immobilize said strip in said guideway, permitting the strip to be viewed at a region disposed between the two rotary strip advancing members.

2,577,176

AIR DRIER

James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application December 16, 1947, Serial No. 792,065
2 Claims. (Cl. 62—137)



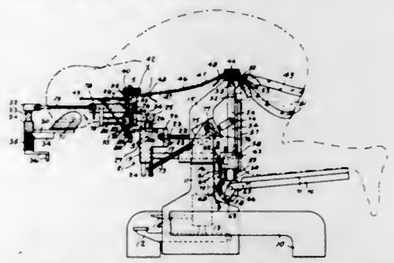
1. In a pressure fluid dryer, an expansion turbine, a supply conduit for conveying pressure fluid to the turbine, a discharge conduit for the turbine to convey all fluid expanded therein to the exterior of the supply conduit, means in the discharge conduit for ejecting condensate from pressure fluid flowing therethrough, means for draining condensate from the discharge conduit, a centrifugal blower actuated by the turbine, and means for conveying all pressure fluid from the exterior of the supply conduit to the blower.

2,577,177

SURGICAL TABLE

Roger Anderson, Seattle, Wash.

Application September 13, 1947, Serial No. 773,772
5 Claims. (Cl. 311—5)



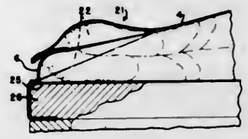
1. In a surgical table for adjusting the curvature of the spinal column of a patient for surgical purposes, pelvic supporting means for supporting a patient in a prone position and having upwardly projecting spaced supporting areas aligned with and supporting the large pelvic bones of a patient at their forwardly projecting portions, whereby the central portion of the body of a patient is supported by the pelvic bones functioning as a fulcrum about which the remaining portions of the body of a patient can be angularly moved; and two spaced supporting means for the balance of the weight of the patient, at least one of said supporting means being relatively vertically adjustable as respects said pelvic supporting means, one of said supporting means being located in the vicinity of the collar bone area of the patient and beyond the abdomen to leave the same unrestricted, and the other of said supporting means being hinged to said pelvic supporting means to suspendedly support the legs of a patient with the upper legs flexed at the hips and the lower legs flexed at the knees, whereby upon relatively raising or lowering of a supported body portion of the patient toward the head or toward the feet from the pelvic area, the curvature of the spinal column of a patient is adjusted and maintained.

2,577,178

BED COVERING

Kenneth P. Bellinger, Wilbraham, Mass.

Application November 17, 1950, Serial No. 196,322
2 Claims. (Cl. 5—334)



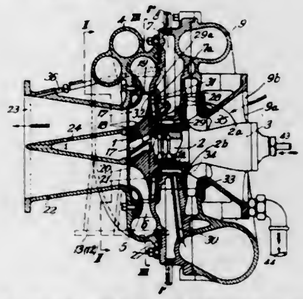
2. A bed covering having a substantially rectangular opening near one end, a pair of gussets in the form of an isosceles triangle secured to the covering adjacent the sides of the opening and having pre-formed creases extending along the bisectrices of its angles, that crease from the mid-point of the base of the triangle to the point of intersection of the bisectrices being formed in the opposite direction from the other creases, and a rectangular piece connecting the bases of the gussets, the end of the flap, and the bottom edge of the opening.

2,577,179

COOLING DEVICE FOR RADIAL GAS TURBINES

Alfred Buchi, Winterthur, Switzerland

Application September 14, 1945, Serial No. 616,204
In Canada August 18, 1942
8 Claims. (Cl. 253—39.15)



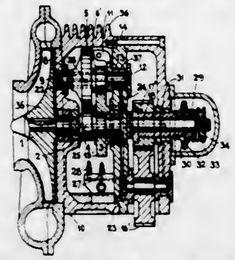
1. In a radial gas turbine, the combination of a rotor provided with driving blades on the front side thereof, a casing, in which the rotor is housed, composed of a front closure member and a back closure member secured together, a passage for supplying cooling air between the back side of the rotor and the back closure member, and conduits extending through the rotor from the back side thereof to the front side thereof to conduct cooling air from the supply through the rotor to the blade surfaces to supply a layer of cooling air which cools and protects the blades against the heat of the gases passing through the turbine.

2,577,180

FRICTION GEAR

Alfred Buchi, Winterthur, Switzerland

Application June 30, 1947, Serial No. 757,979
In Switzerland July 4, 1946
10 Claims. (Cl. 74—209)



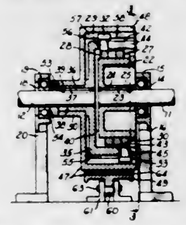
1. Multiple stage speed transmission gear for developing high speed rotation from lower speed rotation of a driving shaft, comprising a highest speed shaft in axial alignment with the driving shaft, a small friction roller gear on said highest speed shaft, at least three comparatively larger frictional roller gears about said small roller gear and in frictional contact therewith, a gear comparatively smaller than and in axial alignment and fixedly engaged with each of said larger roller gears to constitute a rotatable idle wheel unit, an axle for and upon which each said unit is adapted to rotate, a casing about all said gears, said casing having means for supporting each of said axles, said means being displaceable at least partially radially of the axis of the highest speed and driving shafts, spring means constantly urging said axle supporting means, and consequently said axles and said units rotatably mounted thereon, radially inwardly toward said highest speed and driving shafts, whereby each of said axles is pivotably maintained being rotatably fulcrumed on the inner bearing surface of the idle wheel unit, a comparatively large gear on the driving shaft, said large gear being in mating contact with the said smaller gears of said units, and said gear casing also containing bearing supporting means for both the driving shaft and the highest speed shaft.

2,577,181

CLUTCH

Edwin S. Christensen, Long Beach, Calif.

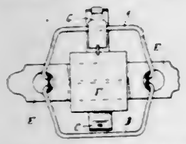
Application March 2, 1950, Serial No. 147,265
2 Claims. (Cl. 192—17)



1. In a clutch for the transmission of power from a drive shaft to a driven shaft, the com-

bination of: a driving drum mounted upon one end of said drive shaft; a spiral spring mounted upon said driving drum having its end portions projecting radially of the axis of said driving drum; a driven drum mounted upon one end of said driven shaft and substantially encompassing said driving drum, said driven drum having a plurality of openings in which said end portions are disposed to permit one of said end portions, when rotated by said driving drum, to engage the wall of one of said openings to transmit the movement of said driving drum to said driven drum; a brake drum encompassing said driven drum, said brake drum having release means formed thereupon engageable by the other end portion; and a brake for retarding the movement of said brake drum to hold said release means in contact with said other end portion.

2,577,182
ANIMAL TRAP
Frank L. Clark, Upper Hutt, Wellington, New Zealand
Application October 2, 1946, Serial No. 700,605
In New Zealand October 2, 1945
1 Claim. (Cl. 43—88)



An animal trap of the character described comprising an elongated base forming member, an elongated cross piece mounted on the base member in a plane parallel to that containing the base member and with its longitudinal dimension perpendicular to that of the base member, jaw pivoting supports carried by the end portions of said cross piece, a pair of jaws pivotally mounted in said supports capable of opening out from each other and of closing together, each jaw including a straight outer member and two side arms extending from the ends of the straight member and inclined outwardly toward the pivot supports, said side arms of the two jaws at each end thereof being bent laterally outward from each other towards their upper portions and the straight outer parts of the two jaws being so disposed that one overlaps the other when the jaws are closed, a flat spring mounted near each end of the cross piece inwardly of the pivot support and extending upwardly and across the cross piece to the other end thereof, said springs having lateral cut out portions intermediate their ends to enable them to overlap each other so that the free end of each spring overlies the fixed end of the other spring, the end of each spring having an opening to receive the pivot support and the side arms of the jaws, and releasable trigger means carried by the base to retain said jaws in open position, the arms of the jaw being round in cross section.

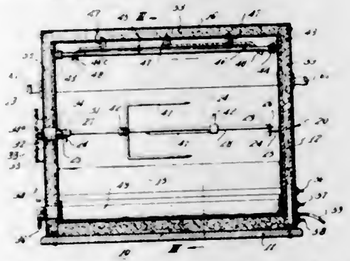
2,577,183
METHOD OF HEAT SEALING PLIOFILM
Harvey R. Denton, Oakland, Calif.
Application July 28, 1947, Serial No. 764,150
3 Claims. (Cl. 154—116)

1. The method of securing a first portion of a sheet of thermo-sealing plastic material to a second portion of the same material that comprises the steps of: transmitting sufficient heat from a source thereof to one side of said first portion to heat and to soften said one side to a tacky condition, then removing said first portion from the influence of said source of heat and immediately thereafter and while it has substantially all of the heat absorbed thereby and is



tacky simultaneously softening one side of said second portion and fusing it with said tacky side of said first portion by bringing the hot tacky side of said first portion into engagement and into direct heat transfer relationship with said one side of said second portion.

2,577,184
BARBECUE MACHINE
Ralph J. Dietrich, Encino, and Francis L. Dieterich, Culver City, Calif.
Application May 3, 1948, Serial No. 24,754
3 Claims. (Cl. 99—421)

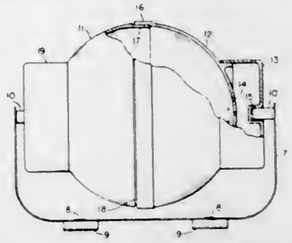


2. In a barbecue, the combination of: a housing comprising a box-like structure having a bottom, two spaced parallel end walls, a back, and a top, the front of said housing being open; a door structure formed of transparent material hinged to said end walls and movable to close said open front of said housing; a spit having a shaft extending horizontally across said housing below said top between said end walls for supporting food to be cooked; an elongated radiant heating element extending between said end walls above said spit and parallel thereto; and a trough-like reflector above said heating element for concentrating radiant heat onto said food to be cooked, said trough-like reflector being disposed open-side down and including outwardly and downwardly extending rear and forward portions, said forward portion being steeply inclined and of sufficient vertical extent to shade said door structure, and said rear portion being less steeply inclined, said reflector being formed of a white refractory material and disposed sufficiently close to said heating element to have the inner surface thereof heated to incandescence by said heating element to provide a secondary source of radiant heat for cooking said food.

2,577,185
SALAD MIXING AND SERVING BOWL
Margaret Leona Easton, Baltimore, Md.
Application November 15, 1950, Serial No. 195,871
1 Claim. (Cl. 259—30)

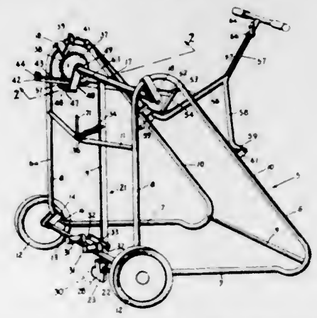
A device for the mixing of solid and liquid ingredients and the subsequent separate utilization of the mixed ingredients and the residue of unmixed liquid ingredients, said device comprising a pair of hollow hemispherical elements, each of said elements having a lip so dimensioned that

said lips may be interfitted to form a fluid tight joint, said elements forming a hollow sphere, one of said elements being perforated in the region intersected by the axis of the sphere drawn perpendicular to the plane of said lips, a flange formed on the exterior of the perforated element and surrounding said axis and region, a cup fit-



ting over and forming fluid tight seals with said flange, the cup having a substantially flat bottom, a base having a flat bottom on the other element, said cup and base having sockets intersected by said axis and a supporting means extending into said sockets and supporting said sphere for rotation about said axis.

2,577,186
GOLF BALL PROJECTOR
George E. Florer, West Des Moines, Iowa
Application March 12, 1949, Serial No. 81,171
1 Claim. (Cl. 124—16)



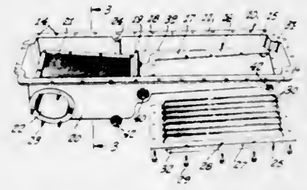
A golf-ball driving device comprising, a frame having a pair of transversely spaced front upright members, a transverse shaft rotatably carried on said upright members, a golf club mounted from said shaft for swinging movement between said upright members in a vertical plane extended longitudinally of said frame, means for limiting the forward swinging movement of said club at a substantially golf-ball contacting position, spring means for swinging said golf club forwardly, a ratchet wheel mounted on said shaft, a rack bar engageable with said wheel supported on said frame for movement longitudinally thereof, a lever means pivotally mounted on said frame for up and down movement and extended rearwardly from said frame, means connecting said bar with said lever means such that on downward movement of the lever means said bar is moved rearwardly whereby to rotate said ratchet wheel to provide for the rearward movement of said club to a swing-starting position, means for releasably locking said ratchet wheel in a rotated position, means for disengaging said rack from said ratchet wheel at said rotated position of the ratchet wheel, and means for releasing said locking means to provide for a forward swinging movement of said club by the action of said spring means.

2,577,187
METHOD OF FORMING BEARINGS
Lawrence H. E. Fox, Inglewood, Calif., assignor to North American Aviation, Inc.
Application August 12, 1946, Serial No. 689,984
1 Claim. (Cl. 29—149.5)



A method of forming a journal bearing and simultaneously attaching it to an object comprising the steps of forming and predeterminately compacting into suitable shape a matrix of steel wool, subjecting the matrix to an annealing action, retaining the matrix in predetermined relation with respect to said object, placing brazable material adjacent said matrix, subjecting the resulting assembly to controlled atmosphere comprising a temperature above the melting point of the brazable material but below the melting point of the matrix for only a sufficient period of time to allow the brazable material to intersperse itself by capillary action throughout the matrix, and thereupon cooling the assembly to thereby result in a bearing and an attachment between the bearing and the object.

2,577,188
COMPOSITE OIL PAN FOR ENGINES
Michael F. Hall, Bell, Calif.
Application April 1, 1948, Serial No. 18,325
14 Claims. (Cl. 184—106)

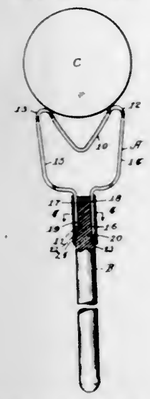


1. In a composite oil pan for an internal combustion engine, the combination of side walls and bottom structure cooperating to define an enclosure open at the top, the side walls being formed of nonmetallic vibration dampening material for supporting the bottom structure, and the bottom structure including a metallic heat transfer member for cooling oil within the pan enclosure.

2,577,189
SHUFFLEBOARD CUE
Clarence E. Hammett, South Gate, Calif., assignor to Young Francis Hammatt, Anaheim, Calif.
Application January 21, 1949, Serial No. 71,958
2 Claims. (Cl. 273—129)

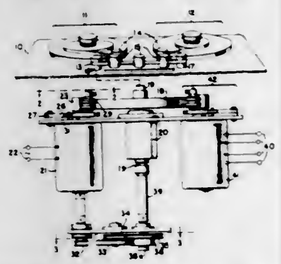
1. An implement for sliding a disc-like play member on a play surface, comprising a rod structure having forwardly and upwardly directed points of contact spaced apart laterally and applicable against the perimeter of said disc-like member, a slide member connected to and converging downwardly and rearwardly between said

points of contact, and a pair of supporting side arms above said slide and extended rearwardly



from said points of contact in a plane above said slide.

2,577,190
PRECISION DRIVING SYSTEM
Donald G. C. Hare, Stamford, Conn.
Application March 7, 1950, Serial No. 148,123
12 Claims. (Cl. 318—70)



2. A precision driving system comprising: a driven output member; power-supply means including a main power source and a reference timing source; a resilient puck driving linkage between said power source and said output member; and a mechanism interconnecting said timing source and said output member and including means responsive to the displacement therebetween and an auxiliary resilient puck driving linkage for said output member controlled by said responsive means to limit the maximum displacement between said timing source and said output member.

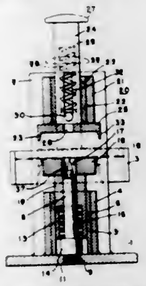
8. A precision driving system comprising: a driven output member; power-supply means including a main power source and a reference periodic electrical supply circuit; a non-rigid driving linkage between said power source and said output member; a mechanism for generating a periodic signal of a nominal frequency equal to that of said supply circuit and varying in phase with deviations in speed of said output member from its normal value; an auxiliary phase-responsive driving motor energized jointly by said supply circuit and said periodic signal; and an auxiliary driving means for said output member driven by said auxiliary motor to limit the maximum displacement between said output member and the excitation of said supply circuit.

12. In an electro-acoustical record recorder-reproducer apparatus including a rotatable record supporting and driving member, a precision driving system comprising: power-supply means including a main power source; reference timing means operative during recording including means for generating a periodic carrier signal outside the acoustical frequency range of the apparatus, means for modulating said signal with a periodic signal of a frequency corresponding to the recording speed of a coupled driving member, and means for impressing such modulated signal on a record being recorded; a non-rigid driving linkage coupled to said power source and adapted to be coupled to a record driving member; means operative during reproducing including filter means for separating said carrier signal from the signal to be reproduced, means for demodulating said carrier signal, and means responsive to the relative phase of said demodulated signal and said modulating signal; and an auxiliary driving means for a coupled driving member controlled by said responsive means to limit the maximum displacement between said timing signal and a coupled driving member.

2,577,191
FORMALDIMINES AND THEIR REACTION PRODUCTS
Howard D. Hartough, Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application October 29, 1947, Serial No. 782,962
8 Claims. (Cl. 260—329)

7. A method of preparing an N-(2-thenyl)-formaldimine which comprises mixing ammonium chloride and aqueous formaldehyde, adding a member of the group consisting of thiophene and thiophene having at least one unsubstituted nuclear alpha carbon and not more than three substituents selected from the group consisting of alkyl, aryl, alkaryl, aralkyl and halogens having a molecular weight greater than 38, raising the temperature of the reaction mixture so formed to not exceed about 70° C., holding said reaction mixture at said reaction temperature until the heat of reaction has subsided, lowering the temperature of said reaction mixture to ambient temperature, separating the aqueous layer, neutralizing said aqueous layer to produce free formaldimine and recovering said formaldimine.

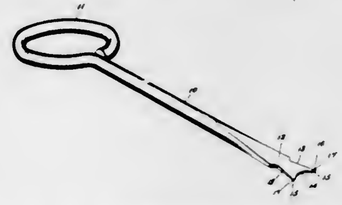
2,577,192
TAG FORMING TOOL
Leon C. Hauer, Pittsburgh, Pa., assignor to M. E. Cunningham Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1947, Serial No. 760,551
1 Claim. (Cl. 93—87)



A tool for preparing identification tags for attachment to objects to be marked comprising a

base housing, a tack-supporting element located in a bore in said housing, a platen provided with an internal bore to receive said tack-supporting element and mounted for movement axially of said element where it also functions as a guide for a tack mounted on said supporting element, means yieldably biasing said platen to a position with its upper surface somewhat above the top of the tack-supporting element, a tag-forming element arranged above said platen and provided with downwardly extending projections along two of its lateral edges for bending downwardly the edges of a tag resting on said platen when the forming element is moved against the platen, a support for said forming element, a plunger to which said forming element is attached mounted in said latter support, and by means of which the forming element is adapted to move against the platen, and means yieldably urging said plunger away from said platen.

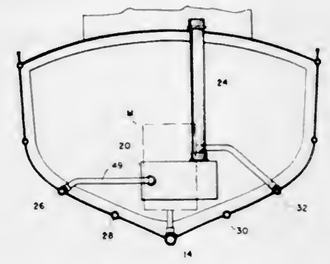
2,577,193
TOOL FOR FACILITATING THE REMOVAL OF SPRING CLIPS FROM SPROCKET CHAINS AND THE LIKE
Philip J. Imse, Westfield, Mass., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 10, 1950, Serial No. 143,532
3 Claims. (Cl. 59—7)



1. A tool for facilitating the removal of spring clips of the split elongated-loop type from the pins of sprocket chains and the like, said tool comprising a flat blade of a width greater than the distance between the spaced longitudinal members of the clips, said blade terminating in a pair of transversely spaced horns adapted to be introduced between and engage said spaced longitudinal clip members, and upon partial rotation of the blade about its longitudinal axis to spread said members farther apart, said blade also having rearwardly convergent side faces extending from the horns for receiving and holding said clip members spaced from the side of the chain upon disengagement of such members from a chain pin.

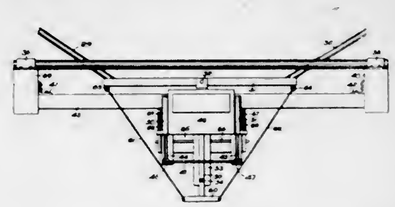
2,577,194
HEAT EXCHANGER FRAMING FOR METAL BOATS
Newman C. Jannsen, Seattle, Wash.
Application April 7, 1947, Serial No. 739,982
3 Claims. (Cl. 115—0.5)

1. A heat exchanger framing for welded metal boats, comprising: a tubular keel member, a plurality of longitudinal tubular frame members disposed substantially equidistant from said keel member, shell plating disposed between said frame members and welded to diametrically opposite portions of each frame member to expose substantially half of the surface of each frame member as the outer skin of the boat, tubular connectors disposed between said tubular members and interconnected with said tubular members, and valve means disposed in said tubular



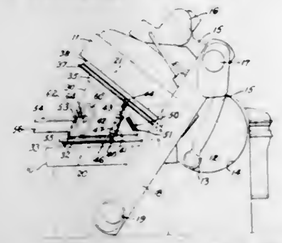
members and connectors to provide liquid passageways of various lengths.

2,577,195
FABRIC GUIDING MECHANISM AND FEELER CONTROL THEREFOR
Chester W. Johnson, Bridgewater, Mass., assignor of one-half to Nuproducts Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 1, 1946, Serial No. 658,728
10 Claims. (Cl. 271—2.6)



1. Textile sheet mechanism for sheets of different widths or of varying width, constituting an attachment particularly adapted for and coacting with textile sheet handling and processing mechanisms, said attachment having at least one transversely - extending, transversely - inclined guiding roll about which the textile sheet passes, which guiding roll is mounted upon an axis the angle of transverse inclination of which may be changed by the guiding mechanism attachment, thereby to rectify the course of travel of the textile sheet, said sheet guiding mechanism attachment including also a pair of oppositely extending, upwardly and outwardly inclined feeler fingers to engage the opposite edges of the textile sheet irrespective of the width thereof, and past and between which the textile sheet travels in contact with such transversely inclined guiding roll, a feeler control arm constituting the sole and common support for said pair of feeler fingers located closely adjacent to one face of the textile sheet and extending transversely of and across the said textile sheet and mounted for movement upon movement of either of said feeler fingers due to lateral movement of the textile sheet away from its true path, and means operatively connected to said feeler control arm and also operatively connected to said textile guiding roll for causing a shifting of the axis of said guiding roll and thereby rectifying the path of travel of said textile sheet.

2,577,196
MOLD TREATING APPARATUS
Dale C. Johnson, Concord, Harry L. Warner, Oakland, and Arthur A. Zambruno, San Mateo, Calif., assignors, by mesne assignments, to William H. Mead, Oakland, Calif.
Application November 16, 1949, Serial No. 127,734
19 Claims. (Cl. 51—8)



12. An apparatus for treating the interior shape-imparting surfaces of plural piece molds, including in combination a peripheral shield open at each end and adapted to surround the space between at least two mold sections and cooperating with said mold sections to enclose a volume, part of whose interior surface comprises the surfaces to be cleaned in both said sections, said shield being provided with a transparent window; a blast conduit passing through the walls of said shield; and a suction conduit passing through the walls of said shield, said conduits both being manipulatable for directing their respective outlet and inlet toward all portions of the surfaces of both mold sections.

2,577,197
SEAT ATTACHMENT
Elwin M. Kinney, Atlanta, Ga.
Application March 28, 1949, Serial No. 83,941
5 Claims. (Cl. 155—133)

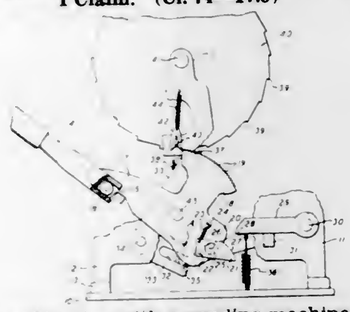


1. In combination with a seat having a back rest and a bottom, a resilient cushion arranged selectively to be supported upon said bottom or to be folded against said back rest, supporting means beneath said cushion and to which said cushion is fastened, said supporting means being pivotally mounted in a fastening member secured to said back rest, a locking device mounted upon said back rest, a catch secured to said supporting means, said locking device being arranged to receive said catch when said resilient cushion is folded against said back rest, and means for releasing said catch from said locking means when it is desired to lower said cushion to be supported upon said seat bottom.

2,577,198
CHEMICAL COMPOSITIONS AND PROCESS FOR THE PREPARATION THEREOF
Willard H. Kirkpatrick, Sugar Land, Tex., assignor to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application December 28, 1948, Serial No. 67,754
8 Claims. (Cl. 260—97.5)

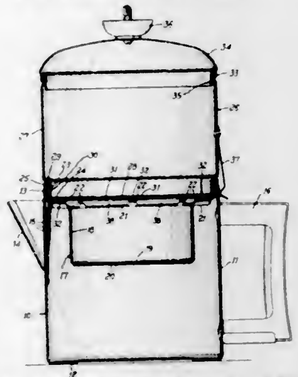
1. A condensation reaction product of an organic compound from the group consisting of organic polycarboxy acids and their anhydrides and an intermediate molecularly dehydrated acylated derivative of an alkanolamine wherein the acylating radicals comprise two dissimilar monocarboxy acids, one being an unsaturated long chain acyclic type monocarboxy acid containing at least 8 and not more than 32 carbon atoms in the chain and the other being an unsaturated resin type monocarboxy acid, the alkanolamine being employed in 100 to 600 per cent molar excess in the intermediate acylation reaction.

2,577,199
RATCHET FOR COIN CONTROLLED MACHINES
Lionel P. Klopner, Fort Worth, Tex.
Application August 1, 1949, Serial No. 108,001
1 Claim. (Cl. 74—17.5)



In combination with a vending machine or the like having a segment ratchet gear therein, a ratchet pivotally supported opposite the teeth of said gear, a pair of angularly disposed detents of unequal lengths integral with said ratchet and arranged for engaging the teeth of said gear, and spring means positioning the mean longitudinal center between said detents asymmetrically relative to the pivotal center of said gear.

2,577,200
COFFEE BASKET FOR DRIP COFFEE MAKERS
Richard F. Krause, Massillon, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application April 22, 1950, Serial No. 157,570
3 Claims. (Cl. 99—306)



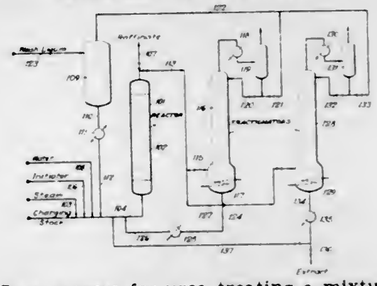
1. In a drip coffee maker provided with a water reservoir having apertures in its lower portion, a coffee basket located below the water reservoir and having a perforate bottom wall

and upright side walls of smaller diameter than the water reservoir, an outwardly disposed imperforate annular flange at the top of the side walls of the coffee basket, said flange being spaced below the bottom of the water reservoir, radially disposed hollow ribs upon the top of said flange the top of the ribs being spaced slightly below the bottom of the water reservoir, there being an aperture in the top of each rib, and an upright annular flange at the periphery of the outwardly disposed flange and fitting upon the lower portion of the water reservoir.

2,577,201
PREPARATION OF MELAMINE
Leslie C. Lane, Bethel, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 25, 1950, Serial No. 192,150
3 Claims. (Cl. 260—249.7)

1. The method of making melamine that comprises heating only hydrogen cyanide and ammonia at a temperature within the range 275°–550° C. and at a pressure of at least 500 p. s. i.

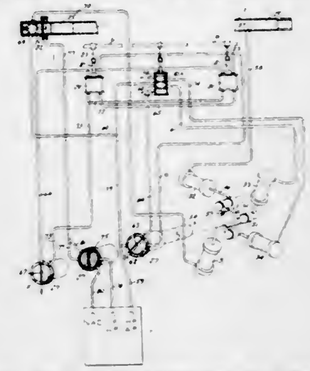
2,577,202
PROCESS FOR SEPARATING ORGANIC COMPOUNDS
Arthur P. Lien, Wilford J. Zimmerschied, and Willard S. Higley, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 30, 1949, Serial No. 118,982
10 Claims. (Cl. 260—676)



1. In a process for urea-treating a mixture of a urea-adduct-forming aliphatic organic compound and an inhibitor for urea-adduct formation and obtaining a urea adduct of said aliphatic organic compound, the steps which comprise pretreating urea by contacting said urea with water and an initiator for urea-adduct formation in the absence of an inhibitor for urea-adduct formation, said initiator consisting essentially of an aliphatic organic compound having the property of forming a solid adduct with urea, contacting said mixture under urea-adduct-forming conditions with said pretreated urea, and withdrawing a solid adduct of urea and said aliphatic organic compound initially present in said mixture.

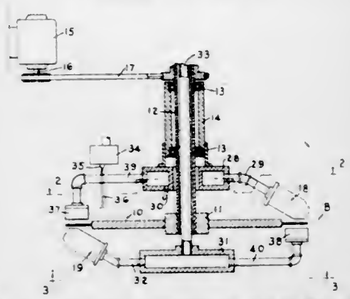
2,577,203
BAR FEED LOADER FOR METAL-WORKING MACHINES
Eugene S. Mariotte, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application April 26, 1946, Serial No. 665,279
1 Claim. (Cl. 29—60)

A bar stock feed for metal working machines including a feed tube for the bar, the tube being of such length as to enclose a bar, the tube comprising a body section having a lengthwise slot long enough to receive the bar to be machined, through which slot the bars are placed sidewise into the body section, and a closure section, one of said sections being shiftable relatively to the other to open and close the slot, a reversible power motor to operate the shiftable section, a feed plunger reciprocally movable in the tube, and a control mechanism for said feed plunger and reversible power motor, said control mechanism including means for selectively supply-



ing power to said feed plunger to advance and retract the same and means for selectively supplying power to said reversible motor to open and close said shiftable section, power operated indexible means for selectively actuating said power supplying means, and a plurality of relay means actuated by said feed plunger in its extreme positions and by the shiftable section in its extreme position for selectively supplying power to said indexible means.

2,577,204
METHOD AND APPARATUS FOR PRODUCING FIBERS
George S. McElroy, Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application January 11, 1949, Serial No. 70,561
11 Claims. (Cl. 49—17)



1. Apparatus for producing glass fibers comprising a rotor supported for rotation about a substantially vertical axis, a series of burners supported at opposite sides of the plane of rotation of the rotor for directing hot high velocity blasts of gases toward the peripheral edge of the rotor and in a direction extending substantially radially outwardly from the peripheral edge of the rotor, means for depositing heat softened glass on the top surface of the rotor, a series of burners for heating the peripheral edge of said rotor, means for rotating the rotor at a speed

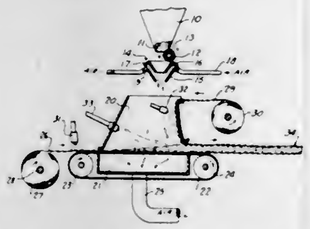
determined to provide the centrifugal force required to flow the heat softened glass in a generally radially outward direction over the top surface of the rotor and into the blast of gas, and means at the peripheral edge of said rotor for separating the heat softened glass into a multiplicity of individual streams.

2,577,205

METHOD OF PRODUCING A FABRIC CONSTRUCTION FOR REINFORCING PLASTICS AND PRODUCT

Fred J. Meyer and George K. Hammond, Toledo, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware

Application November 20, 1946, Serial No. 711,046
6 Claims. (Cl. 154—101)



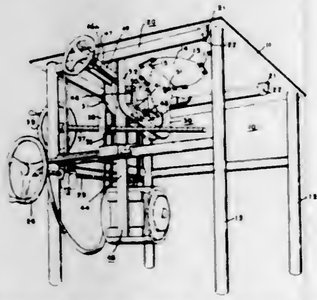
6. The method of continuously producing a deformable textile product of intermatted fibers, which comprises feeding air-borne fibers into one end of and through a chamber, continuously moving a stretchable knitted fabric in one direction past the other end of said chamber, withdrawing the air from said chamber through said knitted fabric, thereby to filter out said fibers from the suspending air and deposit the fibers on the fabric in a random arrangement, building the deposited fibers up into a mat on said fabric, continuously moving a second knitted fabric through said chamber in a direction to converge on the first fabric to gather the mat fibers between said two fabrics, and applying a binding agent to the mat of fibers and the covering fabrics to bond them together into a composite textile product.

2,577,206

WOODWORKING MACHINE WITH A SWINGABLY ADJUSTABLE TOOL SPINDLE

Luther E. Patterson, Covington, Ohio, assignor of one-half to Cleo D. Gist, Dayton, Ohio

Application April 14, 1948, Serial No. 21,079
8 Claims. (Cl. 144—1)



1. A woodworking machine including, a table, a frame, means pivotally mounting said frame at one end thereof beneath said table on an axis parallel to said table for movement up and down relative to said table, a cradle pivotally carried on said frame on pivot means pivoting said cradle on an axis parallel to the pivot mounting of said frame, a spindle carried on said cradle normal to the pivot axis thereof, and means connected to said cradle for pivoting the same on said frame to position said spindle parallel to said table or normal thereto.

2,577,207

PRODUCTION OF PHOSPHORUS OXYSULFIDES

John Carl Pernert, Niagara Falls, N. Y., assignor to Oldbury Electro-Chemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application February 10, 1949, Serial No. 75,749
6 Claims. (Cl. 23—203)

1. A process for the production of an oxysulfide of phosphorus which comprises: mixing together phosphorus pentoxide and phosphorus pentasulfide and thereafter heating the said mixture at a temperature above approximately 350 degrees centigrade and recovering the oxysulfide of phosphorus thus formed.

2,577,208

PRODUCTION OF KETONIC BODIES

Walter Reppe, Ludwigshafen on the Rhine, and August Magin, Mutterstadt/Pfalz, Germany

No Drawing. Application February 9, 1950, Serial No. 143,362. In Germany October 1, 1948
11 Claims. (Cl. 260—406)

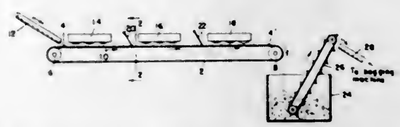
1. A process for the production of ketonic compounds which comprises reacting an olefinic compound with carbon monoxide and water in the presence of a cyanide of a metal capable of forming metal carbonyls at from 100° C. to 250° C. and at a pressure of at least 10 atmospheres.

2,577,209

INFRARED RELEASE OF WATER OF CRYSTALLIZATION

Kenneth J. Rios, Los Angeles, Calif., assignor of one-half to Bernard J. Hoffman, Jr., Los Angeles, Calif.

Application June 10, 1948, Serial No. 32,094
4 Claims. (Cl. 204—157)



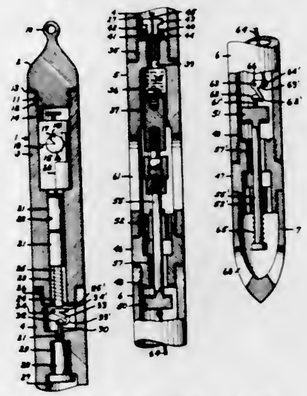
1. A method for dehydrating an inorganic salt containing bound water of crystallization which comprises transporting said crystals relatively distributed on a conveyor as a thin layer exposing each individual crystal directly to a source of radiation, providing treating means including initial infra red radiation of a wave length between 7000 and 20,000 Angstrom units directed against the exposed surfaces of said crystals at close range and in an amount penetrating into the interior of each exposed crystal and releasing the water of crystallization thereof and reducing the crystals to readily comminuted form within a relatively short time of exposure to said radiation, and thereafter for a relatively long period of time evaporating the released water from the said salt to convert it to the anhydrous condition.

2,577,210

BOTTOM HOLE SAMPLER

Walter Ruska, Houston, Tex.

Application September 24, 1945, Serial No. 618,274
2 Claims. (Cl. 166—19)



1. In a well fluid sample taking device, a housing having a sample receiving chamber therein, a valve seat at the upper end and a valve seat at the lower end of said sample receiving chamber, a frangible seal across said housing spaced above said sample receiving chamber to provide a closed upper chamber above said seal, a piston spaced below said seal and operable in said housing to provide a second chamber below said upper chamber, a non-compressible fluid filling said second chamber, an upper valve in said sample receiving chamber, means connecting said piston to said upper valve to space said upper valve in open position when said second chamber is fluid filled, a lower valve in said sample receiving chamber, means urging said lower valve to closed position, means releasably connecting said upper and lower valve to hold said lower valve in open position until said upper valve moves upwardly from open position, opening means in said housing between said upper seat and said piston and below said lower seat so that well fluid may pass through said sample receiving chamber when said valves are opened, means separating said upper chamber into a fluid tight chamber and an air chamber therebelow immediately above said frangible seal, magnetic force supplying means above said chamber separating means for applying magnetic attraction therebelow, time controlled means in said fluid tight chamber adapted to actuate said magnetic force supply means after a predetermined time interval to apply said magnetic attraction, and means operable by said magnetic attraction to rupture said seal so that well fluid pressure below said piston may move said piston upwardly to close said upper valve and release said lower valve to be closed by said urging means, thereby entrapping a sample of fluid in said sample receiving chamber as said non-compressible fluid is forced into said air chamber.

2,577,211

TREATMENT OF PROCESSED PICKLES

Murray M. Scharf, Bellwood, Ill.

No Drawing. Application December 13, 1949, Serial No. 132,792
7 Claims. (Cl. 99—168)

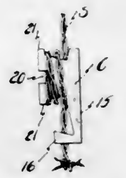
1. A processed pickle encased within a sheath of a nontoxic, water-impervious waxy material of appreciable thickness, said pickle being adapted to be dry packed and having the property of maintaining its desired characteristics of flavor, taste and crispness over prolonged periods of time.

2,577,212

DEVICE FOR TIGHTENING WIRE

John E. Scheuerlein, Saginaw, Mich.

Application March 22, 1948, Serial No. 16,298
1 Claim. (Cl. 24—71.3)



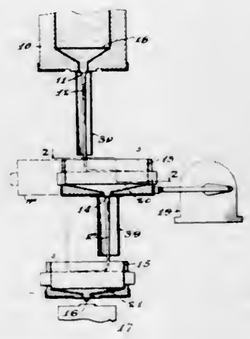
A wire tightening device of the class described, comprising a relatively thick, flat, rectangular-shaped clip, a winding section formed in the main body of the clip and having inwardly inclined, parallel edge walls over which the wire is wound, the outer end of the winding section being formed with overhanging foot sections to prevent displacement of the wire wound thereon, an open slot of substantially one-half the depth of the winding section located intermediate the width thereof, and a leg formed on the one end of the clip adjacent the winding section, said leg extending parallel with said winding section with the outer free end of said leg in substantial horizontal alignment with the bottom wall of said slot and its inner edge inwardly inclined.

2,577,213

METHOD AND APPARATUS FOR MIXING GLASS

Games Slayter and Ed Fletcher, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware

Application May 14, 1945, Serial No. 593,682
10 Claims. (Cl. 259—17)



1. Apparatus for mixing molten glass comprising means for flowing a stream of glass from a molten body thereof, a bushing for collecting the stream flowing from said body of glass, means intermedially of said bushing and said body of glass for relatively shifting the stream in opposite directions laterally with respect to the normal path of the stream, said shifting drawing out any cords existing in the molten

glass and arranging the cords in the bushing in planes extending transversely to the normal path of the stream, and means for comminuting the transversely arranged cords in the glass intermedially of their length.

2,577,214

GLASS MAT FOR REINFORCING PLASTICS

Games Slayter, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application January 11, 1946, Serial No. 640,565
7 Claims. (Cl. 154—46)



1. A strong, resilient, light weight porous sheet comprising fibrous glass and having substantially continuous glass fibers in the form of integral twisted strands arranged in overlapping distinctly formed loop formation extending substantially uniformly over the width and length of the mat whereby said loops intermingle with adjacent loops, and a bonding material securing said loops together.

2,577,215

METHOD FOR MAKING BUILDING BLOCKS

Stephen H. Smith and John Lewis Kronsis, Canton, Ohio

Application December 2, 1948, Serial No. 63,104
4 Claims. (Cl. 18—47.5)



1. The method of making cement building blocks which consists in mixing hydraulic cement, sand and aggregate with just sufficient water to dampen the mixture, and forming the mixture under pressure into a building block having one surface simulating stone simultaneously heating said surface to a temperature of 500° to 700° F., curing the block for about twelve to fifteen hours at a temperature of about 150° F. and impregnating said surface with a coloring solution of metallic salts.

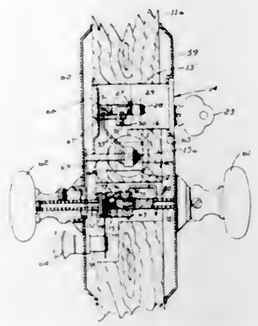
2,577,216

DOOR LOCK

Mathew Spinello, Rockford, Ill.

Original application July 9, 1945, Serial No. 603,823. Divided and this application August 17, 1946, Serial No. 691,414
10 Claims. (Cl. 292—173)

1. In a door latch mechanism, the combination with a bolt mounted in a door for reciprocation, an inside manually operable knob having a shaft rotatable thereby, means operatively connecting said shaft with said bolt, an outside manually operable knob having a shaft rotatable thereby coaxially aligned with the first shaft, a clutch device movable on the inside shaft to a position overlapping the end of the outside shaft for detachably conecting said shafts, an inside-operable push and pull button adjacent the inside operable knob and guided for reciprocation in spaced parallel relation to said shafts and operatively connected with said clutch device to move the same positively in either direction lengthwise relative to the inside shaft to connect or dis-



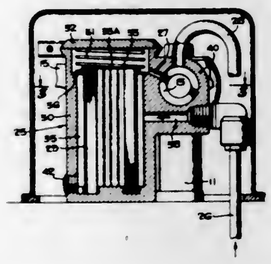
connect said shafts, and spring pressed means carried on the clutch device and held thereby in a fixed relation to the inside shaft and operatively engaging said outside shaft for yieldably restraining turning of the outside shaft relative to the inside shaft when in declutched relationship thereto and tending to stop said outside shaft always in registering clutchable relationship to said inside shaft and the clutch device.

2,577,217

FILTER

Walter R. Stafford, Los Angeles, Calif., assignor to Elmer J. Wolfer, Los Angeles, Calif.

Application March 9, 1950, Serial No. 148,570
4 Claims. (Cl. 210—164)



1. In a filtering arrangement of the character described, a pair of axially aligned hollow rocker arm shafts with their opposite ends spaced, an oil filter body having an oil inlet and an oil outlet, a cylindrical chamber in said body with the axis thereof extending generally vertically, said body having integrally formed therewith a cylindrical portion with the axis of said cylindrical portion extending generally horizontally, said cylindrical portion overlaying said opposite ends of said rocker arm shafts to provide a support for said oil filter body and to provide an oil seal between said filter and the outside surfaces of said shafts, a cylindrical filter medium of diameter somewhat less than the diameter of said chamber disposed within said chamber to provide an annular space within said chamber, said

oil inlet being in communication with said annular space, said oil outlet being in communication with said cylindrical portion and in communication with the adjacent open ends of said shafts, said oil inlet and outlet being normally in communication with each other through said filter medium, a spring urged pressure plate normally resting on an annular shoulder in said body and providing a movable baffle between said oil inlet and said oil outlet, said pressure plate being movable away from said annular shoulder upon the occurrence of excessive pressure in said annular space, due, for example, to clogging of the filter medium, to thereby allow oil to flow from said inlet to said outlet without passing through said filter medium.

2,577,218

EMULSIONS

Mathijs van der Waarden, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 15, 1947, Serial No. 791,940. In the Netherlands December 19, 1946
8 Claims. (Cl. 252—312)

4. An oil concentrate capable of forming a stable, non-gelling water-in-oil emulsion, said oil concentrate comprising an oil containing from 0.5% to about 15% of free degras fatty acid fraction of degras and from 0.02% to 5% of an organic compound selected from the group consisting of colophony, the acidic fractions of said colophony and mixtures thereof.

2,577,219

CORROSION INHIBITION WITH A MIXTURE OF INHIBITORS OF DIFFERING VOLATILITY

Aaron Wachter and Nathan Stillman, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 6, 1946, Serial No. 681,768
15 Claims. (Cl. 21—2.5)

8. In a method for inhibiting corrosion of a metal normally corrodible by contact with water vapor and air, the steps of placing said metal in a substantially enclosed space and disposing in said space a combination comprising at least two organic vapor-phase corrosion inhibitors, the vapor pressure of the most volatile inhibitor being at least about 0.001 mm. Hg and at least twice the vapor pressure of the least volatile inhibitor at 21° C., the vapor pressure of the least volatile inhibitor being greater than about 0.00002 mm. Hg at 21° C., the weight ratio of any two of the said inhibitors being between about 0.1 and about 10.

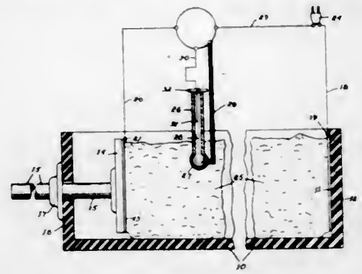
2,577,220

PROCESS FOR RAISING DOUGH TEMPERATURES

Robert N. Winfree, Omaha, Nebr.

Application August 27, 1945, Serial No. 612,817
4 Claims. (Cl. 107—54)

1. A process for treating batches of dough or sponge in bread making prior to fermentation which comprises mixing the ingredients for each batch of dough for a definite length of time which is uniform for each individual batch of a series of batches at a temperature below a desired temperature, removing each batch of dough from the mixer and immediately raising the temperature of every portion of each batch of dough simultaneously to the desired temperature which is



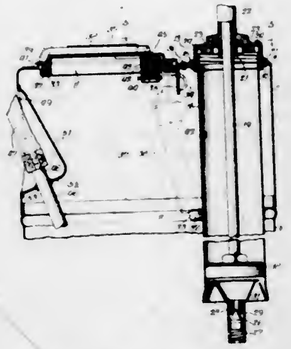
the same for each batch of the series, whereby each batch of the series will start its fermentation period at the desired temperature.

2,577,221

CLOSURE MECHANISM FOR PRESSURE TYPE VESSELS

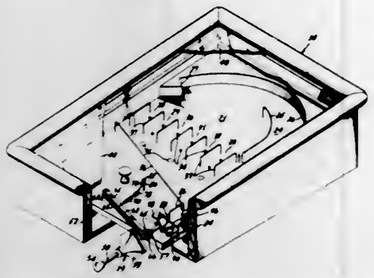
John Winks and Lynn Fletcher, Lowell, Mich., assignors to Lowell Specialty Company, Lowell, Mich., a corporation of Michigan

Original application June 13, 1945, Serial No. 599,258. Divided and this application January 10, 1947, Serial No. 721,400
7 Claims. (Cl. 220—25)



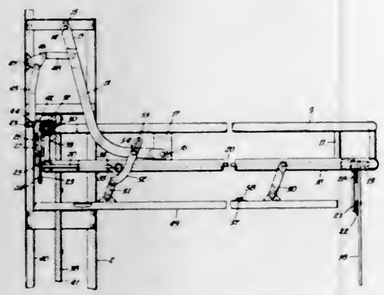
3. In a pressure-type vessel having an access opening, a closure member for effecting pressure-tight closure of said opening and a valve for relieving the pressure in said vessel, means for locking said closure in closed position and for unlocking and opening said closure comprising, a handle member hinged to said closure on an axis extending substantially parallel to the general plane of the opening and movable in a path about said hinge from one predetermined position to another, said handle also being movable in another path between predetermined positions relative to the closure, cooperative means on said vessel and handle for locking said closure in pressure-tight engagement with said vessel when the handle is moved in the first said path to one of said predetermined positions, and means operated by said handle as it is moved in the second said path from the last said predetermined position for opening said pressure relief valve.

2,577,222
BALL CENTERING AND PROPELLING MECHANISM FOR PLAYING BOARDS
Douglas R. Wiser, Los Angeles, Calif.
Application December 15, 1947, Serial No. 791,774
9 Claims. (Cl. 273—129)



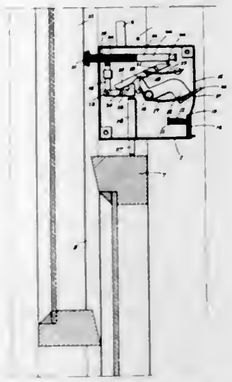
1. In a playing unit having a field and a lane for a ball to be played, a ball centering and propelling mechanism comprising: a plunger extensible into said lane for playing said ball, pusher means operatively associated with the plunger to urge the same to one extreme of axial movement, adjustable means including a threaded finger-piece for regulating the tension of said pusher means, said pusher means comprising a single pivotal element disposed transversely of said plunger, and stationary adjustable ball-positioning means in the lane for centering a ball to be propelled by the plunger relative to said plunger.

2,577,223
WALL BED
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a corporation of Delaware
Application May 16, 1946, Serial No. 670,167
9 Claims. (Cl. 5—160)



1. A bed comprising a vertical wall cabinet having an opening, a bed frame, mounting means for supporting one end of said frame on a vertically movable fulcrum within said cabinet whereby said frame may be shifted to a vertical position within said cabinet or extended through said opening to horizontal bed position, a pair of foldable legs hinged on the outer end of said frame on axes disposed longitudinally of said frame, a pair of rotatable rods extending longitudinally of said frame and operatively connected to said legs, and means actuated through the movement of said frame for rotating said rods to fold and extend said legs.

2,577,224
WINDOW BURGLAR ALARM
Carl M. Bartram, Chico, Calif.
Application December 7, 1948, Serial No. 63,865
1 Claim. (Cl. 116—87)



In a burglar alarm device, for a double-hung sash window, having a housing adapted to be supported from the casing of the window inwardly of the upper sash and above the lower sash, a spring-urged cap-detonating hammer mounted in the housing, and a detonating element in the path of and cooperating with the hammer element; a holding bar pivoted intermediate its ends in the housing above the hammer, means between the hammer and bar normally holding the hammer cocked but arranged so that the hammer will be released upon upward movement of one end of the bar and corresponding downward movement of the other end thereof, means including a lever functioning upon upward movement of the lower sash to move said one end of the bar upwardly, a spring-advanced trigger member projecting from the housing transversely of the upper sash to frictionally engage the same, means mounting the trigger member for up and down swinging movement, means between the trigger member and lever to cause the latter to be moved in a direction to move said one end of the bar upwardly upon downward swinging movement of the trigger member, and means between the trigger member and bar to move said one end of the bar upwardly upon upward swinging movement of said trigger member.

2,577,225
ROTARY SWITCH
Leon G. Barry, Whippany, N. J., assignor to United States Instrument Corporation, Summit, N. J., a corporation of New Jersey
Application September 22, 1949, Serial No. 117,220
7 Claims. (Cl. 200—11)

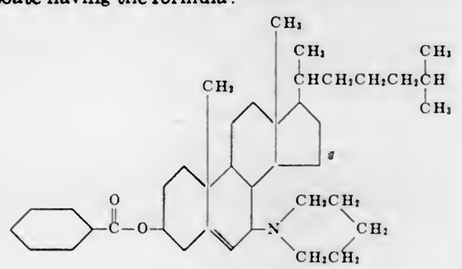
1. A rotary switch comprising an annular stator of non-conductive material, a rotor of non-conductive material mounted within the central opening of said stator, a plurality of contacts mounted on said stator, each said contact having two branches embracing therebetween a portion of said stator and extending inwardly into alignment with a portion of said rotor at opposite points axially thereof, and a plurality of contact units on said rotor, each said contact unit comprising a pair of blades axially spaced and embracing therebetween a portion of said rotor, each said blade comprising two branches adapted to engage respective stator contacts simultaneously, said pair of blades being in electrical contact with each other and having tip portions on said branches adapted to engage the inner, opposing faces of said stator contact branches and



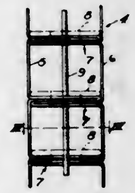
to form parallel connections between the engaged stator contacts, and a spring under compression between each opposed pair of tip portions.

2,577,226
CHOLESTERYL AMINES AND METHOD OF PREPARING THE SAME
Seymour Bernstein and Karl J. Sax, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 13, 1949, Serial No. 87,346
2 Claims. (Cl. 260—239.5)

1. The compound 7-piperidinocholesteryl benzoate having the formula:

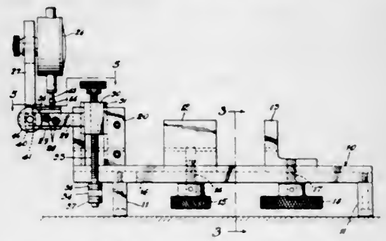


2,577,227
LADDER TAPE
George F. Brent, Pittsburgh, Pa., assignor to Hunter-Douglas Corporation, Riverside, Calif., a corporation of Delaware
Application April 30, 1949, Serial No. 90,625
10 Claims. (Cl. 160—178)



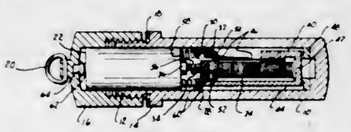
1. In a ladder tape for Venetian blinds comprising two flexible straps extending in parallel spaced relation and provided with cross bands at longitudinally spaced intervals for the support of slats; the invention herein described wherein said cross bands comprise loops formed in and offset from the body of one of said straps, with the two limbs of each loop welded face to face and securely united at the plane of the strap in which it is formed, to maintain strap continuity, and extended laterally therefrom and united to the other strap.

2,577,228
DRILL POINT GAUGE
Clarence C. Carlson, Batavia, Ill., assignor to Burgess-Norton Mfg. Co., Geneva, Ill., a corporation of Illinois
Application February 17, 1950, Serial No. 144,686
8 Claims. (Cl. 33—201)



1. In a centering gauge for the web at the point of a twist drill, a fixture including drill supporting means affording rotation of a drill on its longitudinal axis, an end block spaced longitudinally of said supporting means having angularly disposed abutment faces adapted to receive the pointed end surfaces of the drill in endwise seated relation therebetween, a stop member projecting from one of said abutment faces normally thereto and outwardly of the line of intersection formed by extending the planes of said abutment faces, and gauge means mounted on said end block having a gauge tip movable along and closely adjacent said line of intersection, for successive engagement with each cutting lip substantially at the chisel point of the drill when each such cutting lip is engaged flatwise with said stop member.

2,577,229
AUDIBLE FISH LURE
Samuel J. Carnes, Camden, Ark.
Application August 20, 1949, Serial No. 111,415
1 Claim. (Cl. 177—7)



An audible fish lure including a receptacle having an open end and a threaded portion near said open end, a cap having a threaded portion adapted to engage the threaded portion of the receptacle to form a closed casing, a solenoid, an insulating block carried by the upper end of said solenoid, a first fixed contact carried by said block, a movable contact carried by said solenoid, means urging said movable contact into engagement with said first fixed contact, a second fixed contact also carried by said solenoid, means establishing electrical conduction between the solenoid and the casing, said cap and the portion

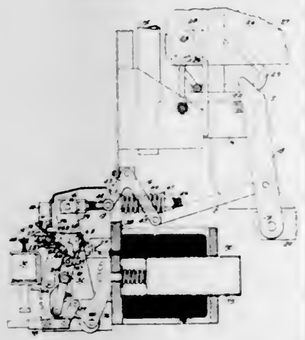
of the receptacle above the solenoid coacting to form an adjustable compartment for housing a battery, a third contact on said cap for engaging one terminal of the battery, and a spring between the juxtaposed ends of the solenoid and the battery for preventing the other terminal of the battery from engaging said second fixed contact, the threaded portions of the cap and the receptacle being such that, when the cap is threaded tightly against the receptacle, said spring is compressed sufficiently to cause said second fixed contact to be engaged by said other terminal of the battery.

2,577,230

LATCH TRIPPING MECHANISM COMPRISING ABUTTING PIVOTED MEMBERS

John F. Chipman, South Weymouth, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.

Application May 8, 1950, Serial No. 160,652
7 Claims. (Cl. 74—2)



1. An operating mechanism comprising a force transmitting structure and tripping means controlling said structure, said tripping means comprising a collapsible toggle having one link thereof connected to said structure, spring means for causing collapse of said toggle and actuation of said structure, means including a latch for preventing collapse of said toggle, and means for actuating said latch to release said toggle comprising a pivoted force receiving member and a pivoted force transmitting member, said force transmitting member upon movement thereof actuating said force receiving member to move said latch to release said toggle, said toggle upon release thereof further actuating said force receiving member in latch opening direction independently of the movement of said force transmitting member.

2,577,231

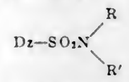
DIAZINE SULFONAMIDES AND METHODS OF PREPARING THE SAME

James W. Clapp, Darien, and Richard O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 17, 1950, Serial No. 156,484
14 Claims. (Cl. 260—250)

12. A method of preparing 2-pyrazinesulfonamide which comprises dissolving 2-mercaptopyrazine in aqueous hydrochloric acid solution, passing chlorine into said solution, mixing the reaction product thus obtained with liquid ammonia and recovering said 2-pyrazinesulfonamide therefrom.

13. Compounds of the group consisting of those having the general formula:



in which R and R′ are members of the group consisting of hydrogen, lower alkyl, monocyclic aryl, monocyclic lower aralkyl and thiazolyl radicals and Dz is a monocyclic aromatic diazine having two nitrogen and four carbon atom radicals, consisting of those having nitrogens in the 1,3-positions and those having nitrogen in the 1,4-positions.

2,577,232

PROCESS FOR OBTAINING PECTIN AND CITRIC ACID FROM THEIR SOURCE MATERIALS

Gordon Manley Cole, Corona, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

Application February 17, 1947, Serial No. 729,105
5 Claims. (Cl. 260—209.5)

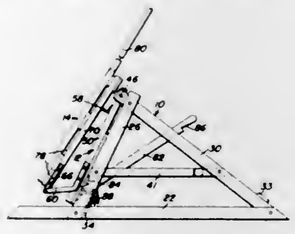
1. A process for preparing pectin by a citric acid extraction process which comprises digesting comminuted lemon pulp with an aqueous mixture comprising lemon juice, said lemon juice being present in amounts sufficient to extract the pectin from the source material, separating the extract from the residual pulp, passing said extract first through a cation sorbing material capable of removing metallic cations from citric acid solutions and then through an acid sorbing material consisting essentially of an insoluble polyamine resin to remove substantially all of the citrate ions, and finally treating the extract with a polyvalent metallic salt to precipitate pectin therefrom in the form of a water-insoluble pectin-metal complex.

2,577,233

HOG CHUTE

Lawrence E. Cullen, Orient, Iowa

Application November 24, 1950, Serial No. 197,404
1 Claim. (Cl. 119—103)



An animal holding device comprising a base, a panel pivoted at its upper end to said base and constituting a part of a clamp, a clamp member, a hinge connecting the lower end of said clamp member with the lower end of said panel and holding the lower ends of said panel and said clamp members spaced from each other, a rest spaced from said hinge and secured to said panel to hold the confronting surfaces of said panel and clamp member near the upper end of said panel spaced from each other, said clamp member constituting the remaining part of said clamp, a handle secured to said clamp member and arranged to pull said clamp member toward said panel to thereby squeeze an animal between said clamp member and said panel and to thereby pivotally actuate said panel to the substantially horizontal position, a latch bar having a notch and pivotally connected to said panel for releasably holding said panel in said substantially horizontal position, a locking plate fixed to said base and engageable by the notch in said bar, and a flexible member connected to said base and said panel constituting a stop to limit the movement in one direction of said panel.

2,577,234

PRODUCTION OF AMINOALKYL ETHERS OF DIARYL CARBINOLS

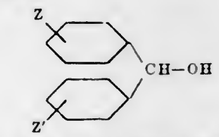
John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois

No Drawing. Application July 2, 1947, Serial No. 758,705
8 Claims. (Cl. 260—570)

1. The process of preparing an aminoalkyl ether of a diarylcarbinol which comprises heating an aminoalkyl halide of the formula

X—Alk—B

wherein X is halogen, Alk is a lower alkylene radical and B is an amino radical selected from di(lower alkyl)amino, mono(lower alkyl)amino and 1-piperidino radicals, with a diarylcarbinol of the formula



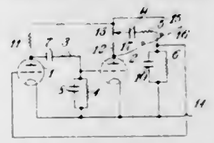
wherein Z and Z′ are members of the group consisting of hydrogen, NH_2 and lower alkyl radicals, in the presence of caustic alkali.

2,577,235

THERMIONIC VALVE OSCILLATOR

James Alexander Bremner Davidson, Beckenham, England, assignor to Muirhead and Company Limited, Beckenham, England

Application May 21, 1946, Serial No. 671,203
In Great Britain June 5, 1945
9 Claims. (Cl. 250—36)



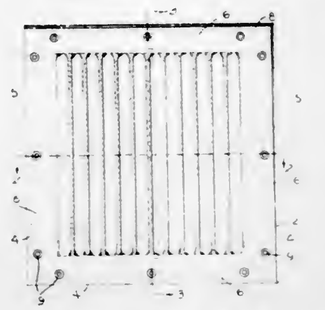
1. Thermionic valve oscillator comprising a first and a second valve connected in cascade a non-resonant tuning filter connecting the output of the first valve to the input of the second valve, said non-resonant tuning filter including resistance and capacitance elements giving a phase displacement which is zero or nearly zero at the desired oscillation frequency, and which varies in opposite sense for frequencies on either side of this value and a non-resonant tuning filter connecting the output of the second valve to the input of the first valve, the second non-resonant tuning filter including resistance and capacitance elements and of a similar character to that of the filter coupling the output of the first valve to the input of the second valve.

2,577,236

MARINE FENDER

Margaret R. Doherty, Wilmington, Del.

Application March 31, 1950, Serial No. 153,057
1 Claim. (Cl. 114—219)



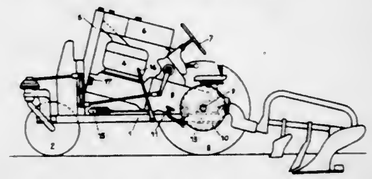
A marine fender consisting of a woven organic fiber casing having flattened perforated marginal areas and a central expanded cushioning area formed by encased segments of non-metallic rope held in parallel relationship by constrictions in the casing.

2,577,237

TRACTOR FOR AGRICULTURAL OR ROAD WORK

Leon Dufour, Geneva, Switzerland

Application September 5, 1945, Serial No. 614,507
In Switzerland November 21, 1944
10 Claims. (Cl. 97—50)



1. In a tractor of the type consisting of a wheeled non-tilting chassis including rear drive wheels, a rigid elongated body mounted to rock on an axis coinciding with the axis of the rear drive wheels so as to tilt with respect to said non-tilting chassis, a power plant for said tractor mounted on the said body to one side of the said axis, a driving connection between said rear drive wheels and said power plant, a ground engaging implement carried by the body on the other side of said axis and trailing the said rear drive wheels, brake means for said drive wheels mounted on said non-tilting chassis, whereby tilting forces are imparted to said elongated rockably mounted body by the reaction from the force applied to the rear drive wheels by said power plant and the tilting torque around the rear wheel axle is increased when the brakes to the rear drive wheels are applied.

2,577,238

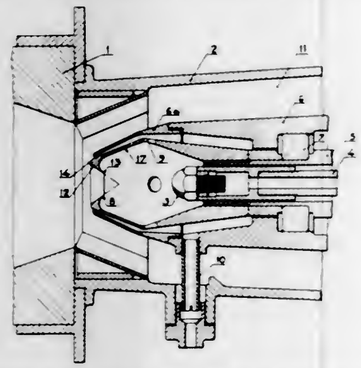
OIL BURNER

Anders Gunnar Edvinson and Börje Konrad Danielsson, Goteborg, Sweden, assignors to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden

Application November 1, 1948, Serial No. 57,777
In Sweden November 19, 1947
1 Claim. (Cl. 299—62)

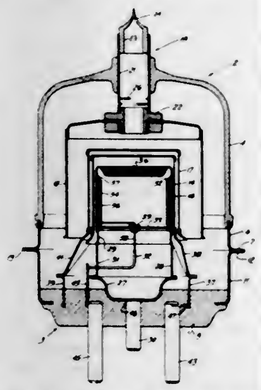
In an oil burner, an axially displaceable oil atomizer for spraying oil in a jet cone, a rotat-

able oil catching device located ahead of said atomizer in position to catch a controllable portion of the oil jet cone, said catching device having a tubular central oil jet passage, extending longitudinally of the axis of rotation of said catching device and being shaped like a truncated cone the cross section area of which increases in the direction of flow of the oil jet, the conical face of said truncated cone converg-



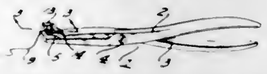
ing towards a point on the axis of rotation which point in all positions of the atomizer is located ahead thereof, the wall at the end of said passage remote from said atomizer being smoothly rounded and merging outwardly into a conical outer face having a rearwardly increasing diameter and an inner inclined face merging with the conical face to form a sharp edge extending inwardly toward the atomizer, and means for withdrawing oil caught by said catching device.

2,577,239
CATHODE AND HEATER STRUCTURE FOR ELECTRON TUBES
William W. Eitel, Woodside, and Harold D. Miller, San Bruno, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application September 12, 1949, Serial No. 115,196
1 Claim. (Cl. 313—340)



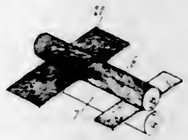
An indirectly heated cathode structure for an electron tube having an evacuated envelope, a cylindrical metallic cathode sleeve, a heater unit comprising a cylindrical metal liner fitted in the sleeve, and an insulated heater coil carried on and integrally united with the inner surface of the liner, said liner and insulated heater coil lying within the evacuated space of the envelope.

2,577,240
SUTURE HEMOSTAT
Robert L. Findley, Wilmington, Calif.
Application October 1, 1949, Serial No. 119,170
8 Claims. (Cl. 128—340)



3. A suture hemostat comprising a pair of pivoted jaws, a needle fixedly mounted in one of said jaws and projecting towards the other jaw, said other jaw having an opening therein into which the needle may extend, a shuttle mounted in the other jaw and movable across said opening and from one side of the needle to the other side thereof, said needle having a hole therein through which the suturing thread extends, and said shuttle having a slot therein for the securement of the end of a suturing thread, and manually operable means engageable with the shuttle to move the same from one side of the needle to the other.

2,577,241
METHOD OF MAKING TEXTURED BUILDING BLOCKS
Alfred Gibson and Arthur Gibson, Boston, Mass.
Application June 25, 1947, Serial No. 756,944
4 Claims. (Cl. 18—61)

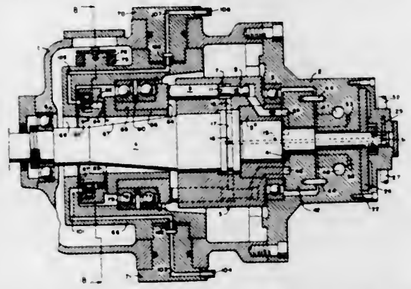


1. The method of making a face configuration of variable pattern which comprises impressing in the face of deformable material a textured surface element having a definite face pattern to thereby provide said deformable material with a face presenting a complete pattern complemental to the pattern of said element, and then impressing on said deformable material face to a less depth a textured surface element in random relation to said complemental pattern to randomly modify the pattern of said material face while maintaining the general texture resulting from the first impression.

2,577,242
AXIAL TYPE HYDRODYNAMIC MACHINE
Adolf Grad, Wauwatosa, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 5, 1947, Serial No. 746,018
26 Claims. (Cl. 103—162)

1. In a hydrodynamic machine, the combination of a case, a shaft journaled in said case and extending through the front end thereof, a cylinder barrel fixed upon said shaft to rotate therewith and having a plurality of cylinders arranged therein around and parallel to said shaft and a passage leading from each cylinder through the rear end of said cylinder barrel, a valve arranged upon the rear end of said cylinder barrel and cooperating with said passages to control the

flow of liquid to and from said cylinders, a piston fitted in each cylinder and extending forward beyond the front end of said cylinder barrel, a thrust member cooperating with said pistons and adapted to force each piston rearward and cause it to eject liquid from its cylinder during one half of each revolution of said cylinder barrel, a reaction member arranged forward of said cylinder barrel and restrained by said case from movement axially of said shaft, a mechanical bearing carried by said reaction member to rotatably sup-



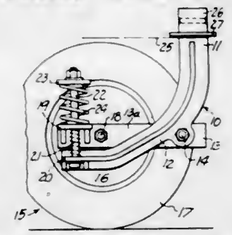
port said thrust member and to transmit pumping forces from one to the other, and means for relieving said mechanical bearing from at least a part of said pumping forces including a hold-up element engaging the front end of said thrust member and having grooves in the rear face thereof, hold-up motors reacting against said reaction member and adapted when energized to urge said element against said thrust member, and means for supplying liquid from said cylinders to said hold-up motors and said grooves.

2,577,243
HEATING DEVICE
Torsten Ragnar Günther, Tranas, Sweden, assignor to Fritz Lundbergs Skinnberederi & Fargeri Aktieboiag, Tranas, Sweden, a corporation of Sweden
Application December 27, 1948, Serial No. 67,452
In Sweden January 13, 1948
2 Claims. (Cl. 219—19)



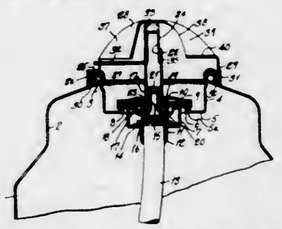
1. A rotatable roll having an electric heating device, the peripheral portion of said roll having longitudinally extending bores therethrough, a heating resistor in the form of a helix, insulation tubes surrounding said resistor and said resistor having an external diameter less than the internal diameter of the insulation therearound whereby thermal expansion and contraction of the helices is possible, said insulated heating resistors being inserted in each said bore, said heating resistors being entirely surrounded by and embedded in the material of said roll to be heated. insulating plates arranged externally of said roll and perpendicular to the axis thereof, slip rings constituting contact elements on said insulating plates, the ends of the heating resistors being connected to said contact elements on said insulating plates, and brushes for cooperation with said contact elements for connecting the heating resistors to a source of current.

2,577,244
SPRING CASTER WHEEL ASSEMBLY FOR AUTOMOTIVE COUPLERS AND THE LIKE
Edward B. Hedgpeth, Salt Lake City, Utah
Application October 28, 1947, Serial No. 782,506
8 Claims. (Cl. 16—44)



2. A vehicle caster assembly, comprising a wheel; a U-frame in which the wheel is rotatably mounted; a weight-supporting fork straddling the U-frame; a pivotal connection joining the U-frame to the fork and serving as a fulcrum, said connection being disposed remote from the said mounting of the wheel in the U-frame; and a compression spring assembly positioned to react between the U-frame and the fork to normally urge said U-frame and said fork towards each other about said pivotal connection as a center.

2,577,245
SHIELDED OPERATOR ASSEMBLY FOR VALVED NOZZLES
Wainwright Tuttle, Milford, and Tonjes A. C. Both, Stratford, Conn.
Application November 2, 1949, Serial No. 125,144
3 Claims. (Cl. 299—149)

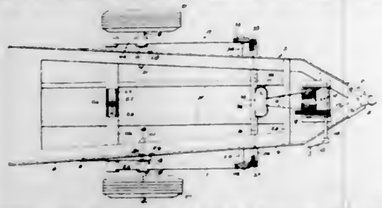


1. A shielded operator assembly including a manually worked operator, a shield with an opening therethrough, said shield being mounted to move between positions respectively registering said opening with said operator to permit the latter to be manually worked and covering said operator to protect it, said operator comprising a lever extending transversely from a nozzle tube adapted to be manually swung to operate a valve therefor and having a jet orifice pointing radially away from said lever, and with said shield rotating between said positions around said tube and including a second opening oriented respecting the first-named opening so that rotation of said shield to said registering position registers said second opening with said jet orifice and rotation to said other position covers said jet orifice.

2,577,246
TRAILER HAVING A VERTICALLY MOVABLE BODY
Arthur T. Hill, San Antonio, Tex., assignor to H. W. Lewis Equipment Co., San Antonio, Tex.
Application October 11, 1948, Serial No. 53,804
2 Claims. (Cl. 214—85)

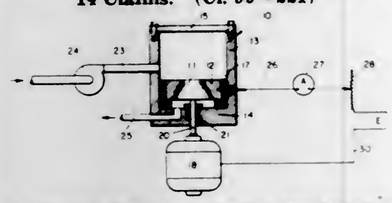
1. In a trailer, a main load-supporting frame, a lifting frame embodying elongated side bars

having offset rear ends, a stationary transversely disposed hollow shaft secured to and disposed under the main load-supporting frame at a point adjacent to the rear end of the main load-supporting frame, shafts to which the offset ends of said side bars of the lifting frame are connected, said shafts being extended laterally from the lifting frame and mounted in said hollow shaft, a tubular bearing secured over the



adjacent ends of the shafts within the hollow shaft, stub axles extending from the side bars on which supporting wheels are mounted, said stub axles having bores in the inner ends thereof, securing pins slidably mounted on the load-supporting frame movable into the bores of the stub axles securing the lifting frame against movement with respect to the main frame and means for moving the elongated side bars vertically, elevating the main load-supporting frame.

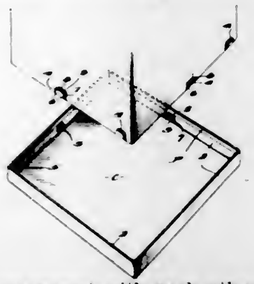
2,577,247
METHOD AND APPARATUS FOR EMULSIFYING FLUIDS
Emmett M. Irwin, San Marino, Calif.
Application January 3, 1948, Serial No. 412
14 Claims. (Cl. 99—221)



1. A process for permanently emulsifying immiscible fluids comprising treating said fluids mechanically by passing them through a reducing orifice under pressure within a range having a lower limit of 500 pounds per square inch and an upper limit below the pressure necessary to effect permanent emulsification to effect impermanent emulsification and treating said fluids electrically to render the emulsification permanent by passing them between electrodes between which electric current flows at a density within the range of .1 milliamp and 50 milliamps per square inch at a point midway between said electrodes.

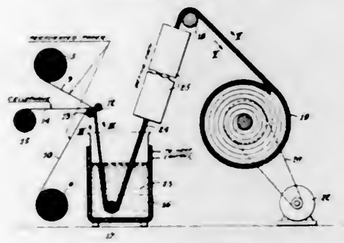
2,577,248
LOCKING MEANS FOR BOXES
Louise James, New Orleans, La., assignor to Huye Space Saving Box System Inc., New Orleans, La., a corporation of Louisiana
Application June 16, 1947, Serial No. 754,850
4 Claims. (Cl. 229—45)

1. Locking means for securing cooperating box sections in assembled relation comprising a plurality of wedge shaped tongues integral with one of said sections and having free ends projecting away from the disassembling movement of said other section, said other section being formed with a plurality of locking recesses respectively registering with and conformingly receiving said tongues, each said tongue and its cooperating recess having relatively angularly disposed linear side locking edges converging towards the free end of said tongue and a transverse free end edge perpendicular to said disassembling movement connecting said side edges, the corresponding side edges of each said tongue and its respective recess being disposed for frictional



wedging engagement with each other responsive to disassembling force applied to said sections to disperse the strain of said force in directions transverse thereto, and the said transverse free end edges thereof being normally slightly spaced to move into positive abutting engagement and supplement the locking action of said side edges.

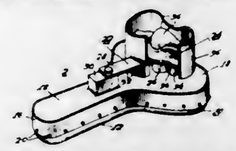
2,577,249
PACKAGING MATERIAL AND METHOD OF PACKAGING
Henry Jenett, Montclair, N. J.; Caroline Louise Maria Jenett executrix of said Henry Jenett, deceased
Application April 19, 1947, Serial No. 742,761
8 Claims. (Cl. 93—3)



1. A packaging material comprising a supporting base formed of strips of laminae having registerable cut-out portions therein and separated by a sandwiched strip of removable laminate, and a film of sealable plastic material superimposed on said supporting base and completely covering the latter and bridging said cut-out portions.

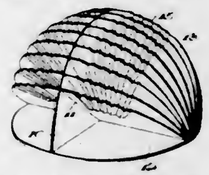
7. A method of preparing and packaging material which comprises dieing out a supporting base to provide a laminae of registering coaxially aligned article holding cut-outs, backing up the cut-outs with a sandwiched solvent impermeable membranous laminate, casting a film of plastic over the supporting base with its sandwiched membranous laminate to provide a cut-out base overlaid with a continuous plastic film, cutting the edge of the supporting base and unfolding the laminae to facilitate removal of the sandwiched membranous laminate, inserting the articles to be packaged on the film formed across the cut-outs in the base, folding the laminae with the plastic surfaces in contact to enclose the inserted articles, sealing the plastic film around the articles encased therein, and stripping the supporting base laminae with the cut-out portions from the outside of the completely sealed envelope.

2,577,250
MODEL MAKING APPARATUS
Everett L. Kibler, Pittsburgh, Pa.
Application June 29, 1950, Serial No. 171,050
11 Claims. (Cl. 18—34.1)



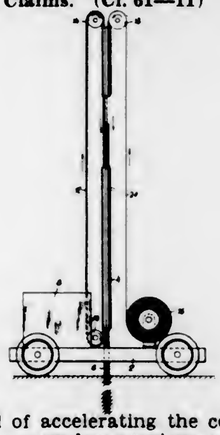
1. A casting device of the type described comprising a work-carrying portion having a base, a shallow well portion above said base, and a wax filling said well portion and comprising the top for said device.

2,577,251
FLOWER HOLDER
Floyd D. King, Phoenix, Ariz.
Application August 15, 1949, Serial No. 110,374
6 Claims. (Cl. 47—41)



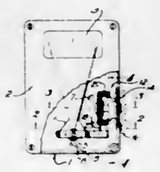
1. In a flower holder, a base, a supporting disc vertically mounted on said base, peripheral slots angularly disposed in said supporting disc about its upper periphery and semi-circular louvre members fitted into said slots in said disc.

2,577,252
DRAINAGE METHOD AND DEVICE
Walter Kjellman, Stockholm, Sweden
Application July 23, 1947, Serial No. 762,946
In Sweden January 25, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires January 25, 1959
6 Claims. (Cl. 61—11)



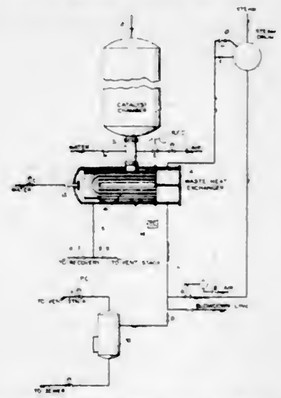
1. A method of accelerating the consolidation of soil having a very low perviousness to water, for the purpose of improving the carrying capacity thereof and rendering the settlements therein harmless, comprising the steps of threading an elongated flexible and porous drain of rectangular cross section through a thrust pipe, clamping a collar to the lower end of said drain, driving said collar and said drain downwardly into the soil by means of said thrust pipe, and pulling up said thrust pipe, whereby said collar and said drain are permitted to remain in said soil.

2,577,253
RADIATION METER
Charles C. Lauritsen, Pasadena, Calif., assignor to California Institute Research Foundation, Pasadena, Calif., a corporation of California
Application May 15, 1950, Serial No. 162,017
6 Claims. (Cl. 250—83.3)



1. A radiation meter, involving: a housing, a fixed electrode, a movable needle, yieldable means for urging said movable electrode toward said fixed electrode, all mounted on said housing; a charging device in said housing including a rotatable element accessible from the exterior of said housing, and a coacting friction element secured within said housing, said element adapted to generate a static charge; and means for collecting said static charge for transfer to said electrodes whereby said electrodes are repelled from each other.

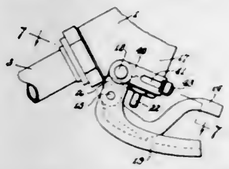
2,577,254
REMOVING CARBON AND CARBONACEOUS DEPOSITS FROM HEAT EXCHANGER EQUIPMENT
Shelby Dayton Lawson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 20, 1947, Serial No. 723,040
3 Claims. (Cl. 134—2)



2. A process for the removal of carbonaceous deposits from the outer walls of heat exchange

tubes in a tube and shell heat exchanger, said deposits resulting from an operation in which said outer walls have been in contact with a hydrocarbon fluid at a temperature within the range of 850 to 1100° F. and in which a heat exchange medium has passed through said tubes, which comprises contacting said outer walls with an oxygen-containing gas at combustion temperature and at a pressure at least as high as atmospheric, thereby removing all of said carbonaceous deposits by burning, spraying water on the peripheral inner wall of said shell during said burning, thereby preventing overheating of said shell and forming steam as a temperature controlling medium.

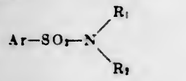
2,577,255
VALVE STOP FOR HOSE NOZZLES
Joseph A. Logan, Hadley, and Eugene V. Lavallee, South Hadley, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application December 31, 1949, Serial No. 136,375
5 Claims. (Cl. 251—153)



1. In a hose nozzle, of the type wherein a valve, located inside the body of the nozzle and spring pressed to closed position, has an actuating stem passing out of the body through a packing nut with its end located in the path of a hand lever, by which the stem may be moved to open the valve against said spring, a stop, means on the nozzle body for supporting said stop for limited swinging movement about the axis of said stem and confining it against movement in the direction of said axis, said stop being movable between two positions in one of which it is located in the valve-opening path of movement of said lever and is adapted to arrest the lever at a location intermediate the ends of such path of movement and in the other of which it is located out of said path and enables full valve-opening movement of said lever.

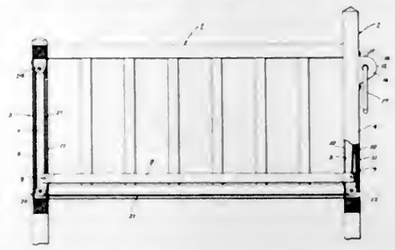
2,577,256
POLYOXYPROPYLENE-BENZENE-SULFONAMIDES
Lester G. Lundsted, Grosse Ile, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application April 9, 1949, Serial No. 86,588
14 Claims. (Cl. 260—556)

6. Alkylene oxide-modified aryl sulfonamides of the type formula:



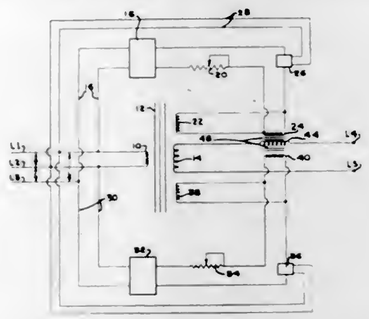
where—
Ar is an aromatic hydrocarbon radical of the group consisting of benzene and alkyl substituted benzene containing up to a total of 4 carbon atoms in the alkyl portion,
R_1 is selected from the group consisting of lower alkyl and polyoxypropylene, and
R_2 is polyoxypropylene.

2,577,257
CRIB
Walter J. McNabb, Delhi, Calif., assignor, by mesne assignments, of one-half to William R. Cochrane, Delhi, Calif.
Application December 15, 1945, Serial No. 635,262
2 Claims. (Cl. 5—11)



1. In a crib including a vertically movable mattress frame, a shaft journaled in connection with and extending across one end of the crib, a hand-crank on one end of the shaft, spaced drums on the shaft, said one end of the crib having end posts hollow for a portion of their length, the drums having a peripheral portion projecting into corresponding ones of said hollow posts, a system of flexible wire ropes connected between the drums and mattress frame, said system extending in part through the hollow portions of said end posts and being operative to raise or control lowering of said frame upon rotation of the shaft in one direction or the other, and a hood mainly enclosing the assembly of the shaft and the drums; there being a holding pawl and ratchet unit in the hood cooperating with the shaft operative to releasably prevent rotation of the shaft in said other direction, a portion of the pawl being accessible from exteriorly of the hood for manual release.

2,577,258
ALTERNATING-CURRENT WELDER
Francis B. Miller, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application June 13, 1946, Serial No. 676,407
4 Claims. (Cl. 321—57)



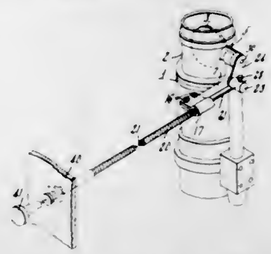
1. In a welding transformer; a primary and a secondary coil and a single closed magnetic circuit linking said coils; a three phase power supply system having one phase thereof connected to supply said primary coil; first and second auxiliary coils positioned to be linked by said magnetic circuit; and first and second filters connected respectively to supply said first and second auxiliary coils, said first and second filters being supplied respectively by the second and third phases of said power supply circuit.

2,577,259
PENCIL CALENDAR
John Millington, Valparaiso, Nebr.
Application September 23, 1949, Serial No. 117,415
1 Claim. (Cl. 40—108)



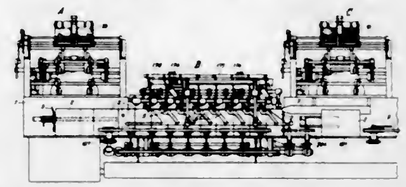
A calendar structure of the character described comprising an elongated cylindrical body, a pair of sleeves on the body, one of said sleeves projecting beyond one end of the cylindrical body to form a utility receiving socket in cooperation with the cylindrical body, the other sleeve being formed with a plurality of longitudinally spaced openings spirally arranged around the circumference of the sleeve, said cylindrical body being provided with three circumferential rows of numerals with which the openings are registrable, one row at a time, the socket forming sleeve being provided with indicia representing a particular year, a barrel located on the cylindrical body adjacent the socket forming sleeve and inwardly thereof and having indicia thereon representing the days of the week and a second barrel on the cylindrical body provided with indicia representing the months of the year, said barrels and sleeve having the openings therein being snugly but rotatably disposed on said cylindrical body.

2,577,260
CARBURETOR CHOKE MECHANISM
Harvey G. Moore, Rochester, N. Y., assignor to Alex D. Karpoff, Boston, Mass., doing business as American Muffler Co.
Application July 28, 1948, Serial No. 41,062
1 Claim. (Cl. 74—501)



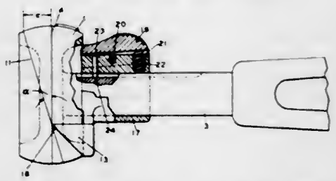
The combination with a device having a tubular boss projecting therefrom, and a rock shaft journaled in said boss, said rock shaft having a socket in its outer end provided with a keyway, of a support, means engaging about the periphery of said boss for clamping said support to said boss, a crank having a keyed axis member engageable in said socket to cause rocking of said crank to rock said shaft, a post pivotally carried by said crank spaced from said axis member and having a lateral perforation therethrough, a pull wire cover, means for clamping said cover to said support, a pull wire axially movable through said cover and having its inner end extending into and secured in said perforation, and manually actuatable means secured to the opposite end of said pull wire.

2,577,261
MACHINE FOR INSERTING SUPPLEMENTS INTO SIGNATURES
Rudolf Moser, Lyss, Switzerland, assignor to Beweg A.-G., Berne, Switzerland
Application March 19, 1947, Serial No. 735,654
In Switzerland March 1, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 1, 1966
4 Claims. (Cl. 270—55)



1. In a machine for inserting supplements into signatures, a transporting table, a conveyor arranged along said transporting table to convey signatures on the latter, an inserting device at the fore end of said transporting table, comprising signature feed means, a driver arranged between said conveyor and the feed means of said inserting device, suckers provided along said transporting table to open the signatures, a main shaft, means driven by said main shaft for intermittently actuating said feed means to deposit a signature on said table, between the driver and said conveyor, means driven by said main shaft for intermittently moving the driver to shift a signature deposited on the table through a short distance onto the conveyor, which distance is less than the width of a signature, means driven by the main shaft for intermittently actuating the conveyor to move a signature shifted onto the same by the driver through a short distance less than the distance required to equal the width of a signature when added to the distance through which the signature is moved by the driver before deposition of another signature on the table by the feed means, whereby signatures will be deposited and conveyed over said table in overlapping relation along said suckers.

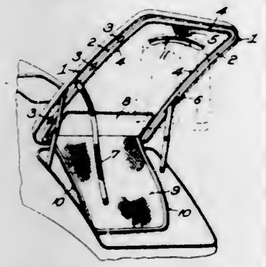
2,577,262
SPHERICAL BORE GAUGE
Karl Helge Meuller and Hilding Valdemar Törnebohm, Goteborg, Sweden, assignors to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application March 10, 1947, Serial No. 733,650
In Sweden March 27, 1946
3 Claims. (Cl. 33—178)



1. A bore gauge having a gauge body comprising the equatorial zone of a sphere having on the surface thereof a number of marks, such as engraved lines or the like, for indicating dimensions less than the diameter of the sphere, said marks being applied obliquely to each other, and a pair of rests at opposite sides respectively of the gauge body and having aligned edges ar-

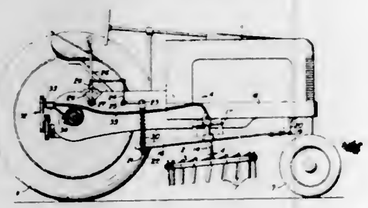
ranged for engagement with the end face of the work, said edges being located substantially on the line of intersection between the plane defined by the equatorial circle of the gauge body and the plane defined by the mark of least diameter.

2,577,263
AUTOMOBILE LUGGAGE DEVICE
Stanley C. Myers, Miami, Fla.
Application January 2, 1948, Serial No. 49
3 Claims. (Cl. 296—37)



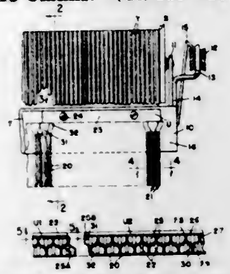
1. In combination with a hinged lid of an automobile luggage compartment, means attached to the inside face of the lid and cooperating therewith to form a closed chamber for receiving garments, said means comprising an element secured to the inner face of the lid at one end thereof for receiving garment hangers, a band secured along the perimeter of the lid and on the inside face of the lid and defining an opening for access to said chamber, a cover for said chamber swingably secured to the opposite end of the lid, and peripheral means detachably securing said cover to said band.

2,577,264
TRACTOR OPERATED STRAW SWEEPER
Parnell H. Oppegaard, McIntosh, Minn.
Application December 28, 1949, Serial No. 135,327
1 Claim. (Cl. 56—27)



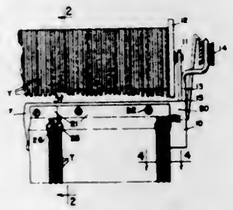
The combination with a tractor having a rear ground wheel on one side thereof adapted to travel in a plowed furrow, said tractor having a power take off, of a bar extending longitudinally of the tractor along said side thereof with a front end pivotally connected to said tractor for vertical swinging adjustment of the bar, a ground sweeper head having a circular series of ground sweeper teeth depending therefrom, means rotatably suspending said head from said bar for rotation about a vertical axis to revolve said series of teeth cross-wise of said furrow to sweep material into the furrow for packing by said wheel, said head being tiltable by adjustment of said bar to revolve the teeth successively into engagement with the ground to sweep toward the furrow solely, a drive between said power take-off and said head including a flexible connection compensating for tilting of said head relative to said power take-off, a hand lever on said tractor, and means operatively connecting said lever to the other end of said bar to adjust said bar.

2,577,265
TUBE FRAME FOR AXMINSTER LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 3, 1948, Serial No. 36,982
13 Claims. (Cl. 139—10)



1. An Axminster tube frame having a carrier bar provided with yarn tubes arranged in a single row on the tube frame, each tube having a yarn receiving mouth, the centers of the mouths of alternate tubes being farther from the carrier bar than the centers of the mouths of the intermediate tubes.

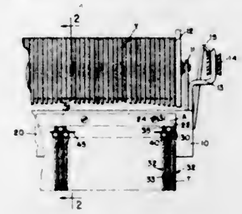
2,577,266
AXMINSTER TUBE FRAME
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 3, 1948, Serial No. 36,983
10 Claims. (Cl. 139—10)



1. In an Axminster tube frame having a carrier bar provided with yarn tubes having yarn receiving mouths arranged in rows located at different distances from the carrier bar, and a guard supported by the carrier bar extending over said yarn tubes and having perforations registering with said mouths.

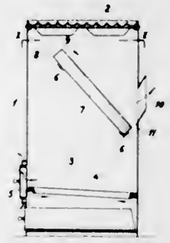
2,577,267
YARN GUARD FOR AXMINSTER TUBE FRAMES
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 3, 1948, Serial No. 36,984
9 Claims. (Cl. 139—10)

1. A group of yarn tubes for an Axminster tube frame, each tube having a circular yarn receiving mouth, the mouths having their centers arranged in two rows and having notches formed incident to the manner in which the mouths are formed, and a yarn guard extending over said tubes in



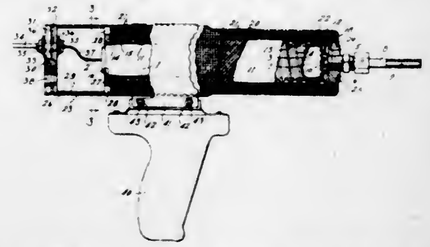
position to prevent a yarn in any mouth from entering the notch corresponding to the mouth.

2,577,268
FURNACE BAFFLE FOR REMOVAL OF FLY ASH
Veikko Väinö Kaukamo Räsänen, Munkkiniemi, Finland
Application December 12, 1945, Serial No. 634,481
In Finland November 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 14, 1964
4 Claims. (Cl. 158—83)



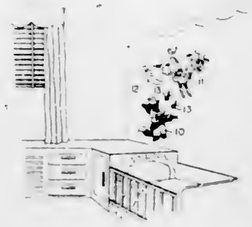
1. A furnace structure including spaced parallel side walls, opposite front and rear walls and a top, a flue opening through the rear wall at a position spaced downwardly from said top, a plate having parallel planar upper and lower surfaces and parallel opposite edges disposed in said furnace on an angle extending downwardly from adjacent the front wall toward the rear wall with the uppermost edge of said plate being spaced from the top and front wall and the lowermost edge of the plate being disposed adjacent the lower edge of the flue opening, said plate having parallel side edges and a width such that the said side edges contact the adjacent side walls of the furnace so that the plate extends in spaced relation relative to the top and front wall of the furnace but extends between the side walls so that combustion gases are directed by the lowermost planar surface toward the front and top of the furnace and pass between the plate and the top and thence downwardly toward the flue, the marginal edge of the plate immediately adjacent the lower edge of the flue opening being serrated, the serrations extending along said last named edge so as to define with said rear wall a plurality of openings of a size sufficient to permit fly ash passing therethrough down into the area of the furnace beneath the plate but of such reduced size in relation to the area between the opposite marginal edge of the plate and the top of the furnace that the major draft of the furnace is directed over the said edge of the plate adjacent the top.

2,577,269
FLAMELESS HOT GAS TORCH
Henry M. Richardson, Springfield, and Fred E. Wiley, Leominster, Mass., assignors to De Bell & Richardson, Inc., Hazardville, Conn., a corporation of Massachusetts
Application November 16, 1949, Serial No. 127,584
9 Claims. (Cl. 219—39)



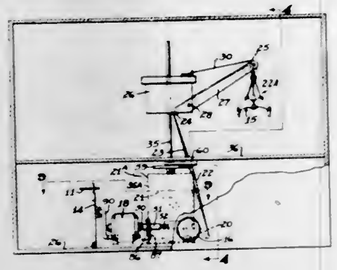
1. A flameless torch which comprises a heat exchanger consisting of an annular passage packed throughout its length with a reticulate mass of metallic material, a helical passage and an electrical heater arranged in series, said reticulate mass being in heat exchanging relation with the foremost portion at least of the adjacent helical passage, and means to introduce gas to said annular passage under pressure for turbulent flow through said passages and around said heater counter current to the heat gradient.

2,577,270
CHARACTER PICTURE
Philip A. Riley, Dayton, Ohio, assignor to The Dolly Toy Company, Tipp City, Ohio, a corporation of Ohio
Application August 4, 1949, Serial No. 108,610
2 Claims. (Cl. 40—126)



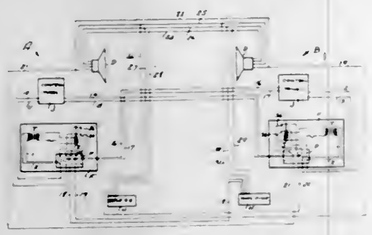
1. A character plaque for association with other character plaques to portray a story by the association of the plaques and adapted for free gravity suspension from a single point of suspension whereby to establish the plaque in a determined fanciful position relative to the vertical and relative to other plaques associated therewith, said plaque comprising a flat body of substantial thickness of the outline of the character depicted, said body having an opening therein projecting into said body from one side only thereof whereby said body closes one end of said opening which is adapted to receive a device for free suspension of the plaque therefrom on a wall, said opening being positioned in said body relative to the center of gravity of the body as hanging on a wall to position the body automatically in a fanciful position relative to the vertical and thereafter retain the position attained.

2,577,271
DIGGING MACHINE
Gwyn E. Russell, Riverside, Calif.
Application November 18, 1947, Serial No. 786,559
7 Claims. (Cl. 212—42)



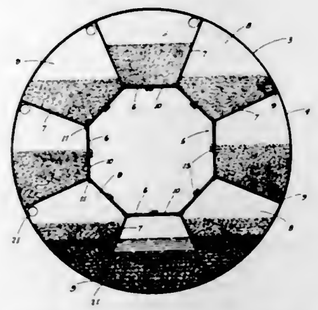
1. In a machine of the character specified, a bucket having two relative movable parts whereby the bucket may be opened or closed; a bucket hoisting chain therefor and a bucket closing chain therefor; a boom member supporting said bucket; a rotatable cab supporting said boom; a rotatable drive shaft; a roller bearing member having an inner race and an outer race, the outer race being mounted eccentrically on said shaft, the outer race of said bearing member having a pair of projections thereon, one of said projections being attached to said bucket hoisting chain and the other one of said projections being attached to said bucket closing chain.

2,577,272
MULTIPLE COIN-OPERATED PHONOGRAPH CONTROLS
Frank Sager, Ahmeek, Mich.
Application September 8, 1948, Serial No. 48,237
1 Claim. (Cl. 179—6.3)



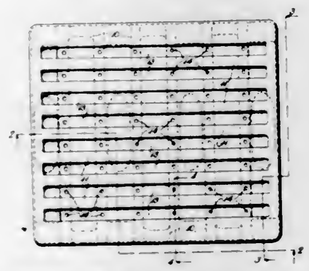
In combination, a pair of coin controlled phonographs, means electrically connecting said phonographs together, each of said phonographs including a motor and an amplifier, an electrical control unit and circuit for each of said phonographs including electrical input wires, a step down transformer connected in the circuit to said input wires, output wires from said transformer, a relay connected to said output wires, control switches under control of said solenoid, a fuse interpolated in one of the output wires from the transformer for protecting said solenoid, and said control switches serving to de-energize the motor of one of said phonographs when the motor of the other phonograph is energized while the speakers of the phonographs remain electrically connected together.

2,577,273
APPARATUS FOR PROCESSING OLIVES
Louis B. Sammis and Ray L. Keck, Wallace, Calif.
Original application September 14, 1945, Serial No. 616,194, now Patent No. 2,464,947, dated March 22, 1949. Divided and this application February 23, 1949, Serial No. 77,876
2 Claims. (Cl. 99—240)



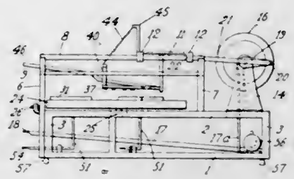
1. An apparatus for the purpose described comprising a drum mounted for slow rotation, means to rotate the drum, the drum comprising spaced apart inner and outer shells impervious to air and liquid, radially disposed partition walls spaced apart circumferentially of the drum between the inner and outer shells to divide the drum into circumferentially spaced compartments each wall being provided with longitudinally spaced slots in its edge adjacent the outer shell, door means in the inner shell for opening into each compartment, and an outlet means from each compartment adjacent the outer shell thereof.

2,577,274
PNEUMATIC CUSHION
Robert W. Sampson, Wilmington, Del., assignor to Sampson Rubber Products Corporation of Delaware, a corporation of Delaware
Application September 25, 1947, Serial No. 776,042
7 Claims. (Cl. 155—179)



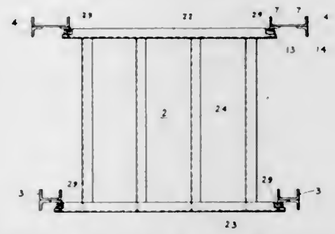
6. A pneumatic cushion having on one side a plurality of hollow, elongated ribs which provide air channels, alternate of said ribs being arched and at opposite sides of said arched portions being of greater depth than intermediate of said ribs, and transversely extending ribs on the opposite side of said cushion which also provide air channels, the ribs on the opposite side of said cushion being separated by common connecting web portions, said web portions being formed with breather openings.

2,577,275
METHOD OF AND APPARATUS FOR MAKING CONCRETE ROOFING TILES OR THE LIKE
Blennard Samson and William Charles Samson, Dunedin, Otago, New Zealand
Application November 7, 1947, Serial No. 784,630
In New Zealand April 18, 1946
10 Claims. (Cl. 25—43)



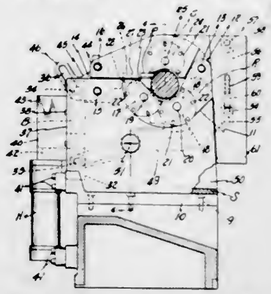
1. A method of manufacturing roofing tiles and like articles of tile or slab formation of concrete or similar material, comprising the steps of loading the material into a mould, imparting a reciprocal movement between a strickle bar assembly and the mould, tamping the material into the mould by the strickle bars during the reciprocal movement, and smoothing the material in the mould after the tamping of the material in the mould.

2,577,276
PALLET RACK
Samuel Saul, Jr., Pittsburgh, Pa., assignor to Reconstruction Finance Corporation, Cleveland, Ohio, a corporation of the United States
Application September 24, 1948, Serial No. 50,956
5 Claims. (Cl. 211—147)



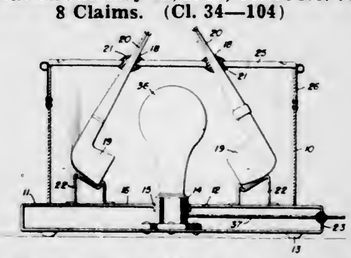
1. A supporting rack comprising spaced parallel vertical supporting frames, each of said frames comprising a pair of vertically extending U-shaped channel sections respectively having a web provided with a pair of L-shaped channel sections welded thereto with free flanges extending in a common direction away from said webs and with said free flanges notched to provide hooks therealong, and bracing members securing said U-shaped channel sections together in spaced relation, and a plurality of shelves respectively having mounting elements at each of the four corners thereof, said mounting elements being receivable over the hooks on said supporting frames to mount the shelves on said frames, said shelves when mounted on said frames being effective to secure said frames rigidly together in spaced relation, the L-shaped sections at the rear of each of said frames being spaced apart a greater distance than those at the front, and the mounting elements at the rear corners of each shelf being spaced apart a distance less than the distance between the L-shaped sections at the front of adjacent frames to facilitate mounting the shelves on the frames.

2,577,277
HYDRAULIC STEADY REST
Richard E. Schulz and Alex W. Chriscaden, Saginaw, Mich., assignors to Wickes Bros., Saginaw, Mich.
Application December 6, 1948, Serial No. 63,706
3 Claims. (Cl. 82—39)



1. A steadyrest adapted to be mounted on a carriage and comprising a base structure, circumferentially spaced, work-engaging rollers journaled thereon, a cap hingedly connected at a point directly adjacent its one end to the upper end of the base structure, a work-engaging roller journaled on said cap, a locking member pivotally mounted on the upper end of the base at a point substantially opposite the hinge point of the cap, said locking member being engageable by the free end of the cap when in locked position, a vertically disposed locking bar connected to said locking member, a link connected to the hinged end section of the cap at a point adjacent the hinge point of said cap, a rocking lever pivotally mounted on the base structure at a point intermediate its length, with its one end connected to said locking bar, and its opposite end connected to said link, and hydraulically actuated means connected to said locking bar for rocking said locking lever to swing said cap about its hinge point, and rock said locking member to engage the free end of said cap and lock it securely in position on said base structure.

2,577,278
DEVICE FOR HOLDING AND DESICCATING SMOKING PIPES
John Kenneth Sellers, Warren, Ariz.
Application January 31, 1949, Serial No. 73,768
8 Claims. (Cl. 34—104)



1. A device for desiccating and dehydrating smoking pipes, comprising a closed and sealed container, provided with means for holding the pipe bowl and the main portion of the adjacent pipe stem within that container, the latter being prov ded with an opening through which the end portion of the pipe stem projects to the exterior, means for sealing the pipe stems within said opening, means arranged within said container for heating that portion of the pipe which is contained within the container from the outside by radiation and heat conduction, and means for

admitting outer air to the pipe bowls so as to produce a circulation of outer air through the pipe channel during the heating of the pipe from the outside.

2,577,279

FOAMED ALKYD-ISOCYANATE PLASTICS

Eli Simon, Los Angeles, and Frank W. Thomas, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

No Drawing. Application June 25, 1948, Serial No. 35,294

3 Claims. (Cl. 260—2.5)

1. The method of making cellular plastic material which comprises providing an alkyd resin having a water content of not more than 1.5% by weight, namely the reaction product of glycerol, adipic acid and phthalic anhydride, adding a sufficient quantity of a metallic salt hydrate that is soluble in anhydrous ethyl alcohol at approximately 18° C. to the extent of at least 1½ grams of the salt to 100 c. c. of the ethyl alcohol to the resin to increase the water content by from 0.1 to 5.0 grams of water for each 100 grams of the resin, mixing meta toluene di-isocyanate and the resin-salt hydrate mixture in the proportion of from approximately 35 to approximately 150 parts by weight of the meta toluene di-isocyanate to 100 parts by weight of the resin, and allowing the resultant mixture to react.

2,577,280

CELLULAR PLASTIC MATERIAL

Eli Simon, Los Angeles, and Frank W. Thomas, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

No Drawing. Application September 18, 1948, Serial No. 50,007

1 Claim. (Cl. 260—2.5)

The method of making a cellular plastic material which comprises providing an alkyd resin wherein the hydroxyl and carboxyl groups in the alkyd resin reactants are in the ratio range of from 3(OH) : 1(COOH) to 4(OH) : 5(COOH) and having a water content of from 0.1% to 2.5% by weight and an acid number of from 5 to 80, mixing the following with 100 parts by weight of said resin: from 35 to 150 parts by weight of meta toluene di-isocyanate, from 0.21 to 16.5 parts by weight of a metallic soap powder chosen from the group consisting of:

Zinc stearate
Aluminum stearate
Calcium stearate
Magnesium stearate
Magnesium hydroxy stearate
Barium stearate
Zinc laurate
Calcium oleate
Strontium stearate

and from 0.21 to 16.5 parts by weight of a metallic leafing powder chosen from the group consisting of:

Aluminum leafing powder
Aluminum bronze leafing powder
Gold bronze leafing powder
Copper leafing powder
Copper bronze leafing powder
Lead leafing powder
Nickel leafing powder
Silver leafing powder
Gold leafing powder
Stainless steel leafing powder

and allowing the mixture to react at atmospheric pressure.

2,577,281

FLAME RETARDANT CELLULAR PLASTIC MATERIAL

Eli Simon, Los Angeles, and Frank W. Thomas, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

No Drawing. Application October 15, 1948, Serial No. 54,822

25 Claims. (Cl. 260—2.5)

1. The method of making flame retardant cellular plastic material which comprises reacting an alkyd resin wherein the hydroxyl and carboxyl groups in the alkyd resin reactants are in the ratio range of from 3(OH) : 1(COOH) to 4(OH) : 5(COOH) and wherein the water content is from 0.1% to 2.5% by weight, meta toluene di-isocyanate and an unsaturated alkyl ester of aryl phosphonic acids of the general formula $ArPO(OCH_2CR:CHR^1)_2$ where Ar represents a radical selected from the group consisting of aryl and alkaryl hydrocarbon radicals and where R and R^1 represent radicals selected from the group consisting of H and alkyl hydrocarbon radicals, the reactants of said material being in the proportion of from 35 to 150 parts by weight of the meta toluene di-isocyanate and from 3.33 to 66.6 parts by weight of said unsaturated alkyl ester to 100 parts by weight of said alkyd resin.

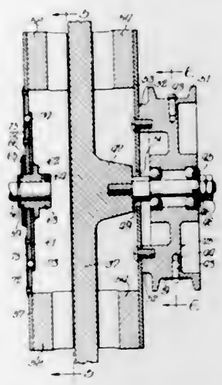
2,577,282

DRIVE MECHANISM

Eugene T. Sliwinski, Chicago, Ill., assignor to Telematic Corporation, Chicago, Ill., a corporation of Delaware

Application July 29, 1946, Serial No. 686,871

7 Claims. (Cl. 172—284)



1. A magnetic coupling for liquid level indicating apparatus comprising a sealed casing having at least one wall formed of non-magnetic material, a driving member including a shaft disposed on one side of said wall, a rotatably driven member within said casing including a shaft, magnetic means associated with each shaft disposed adjacent to but spaced from said non-magnetic wall, a first disc secured to one of the shafts, a second disc rotatably mounted on said shaft, said magnetic means associated with said shaft being mounted on said second disc, means for securing said second disc to said first disc, means for circumferentially shifting said first disc with respect to said second disc, whereby circumferential adjustments between the two shafts are provided.

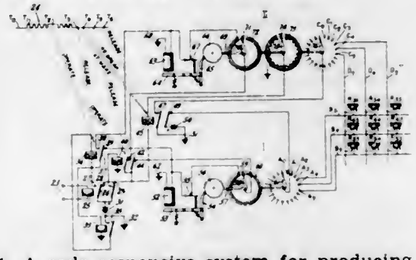
2,577,283

CODE IDENTIFICATION SYSTEM

Hamilton A. Stamper, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application August 14, 1946, Serial No. 690,460

6 Claims. (Cl. 177—353)



1. A code responsive system for producing an indication in response to code signals transmitted over a communication channel exposed to extraneous interference, said system comprising: a first selector and a second selector, each selectively responsive to variable numbers of current dots to move out of a home position into a selected position, and selected means selectively responsive only to the setting by received impulses of both said first and second selectors; switching means for normally applying received current dots to said first selector but operable to direct received current dots to said second selector; and means responsive to a received current dash signal for operating said switching means, whereby a code signal consisting of first and second trains of current dots separated by a current dash sets said first selector in accordance with said first train of dots and sets said second selector in accordance with said second train of dots, to actuate said selected means; in which said means for operating said switching means comprises a slow-operating relay having an actuating winding, an impulse relay actuated by received dots and dashes, an auxiliary relay actuated by said impulse relay, and means responsive only to simultaneous actuation of both said impulse and said auxiliary relays for energizing said slow-operating relay during simultaneous operation of said impulse and said auxiliary relays.

2,577,284

METHOD OF MAKING IMPROVED HAND COVERINGS

Edward M. Steinle, Chicago, Ill., assignor to Illinois Glove Company, Champaign, Ill., a partnership

Application May 31, 1946, Serial No. 673,441

4 Claims. (Cl. 2—169)



3. The method of forming a hand covering which comprises the steps of assembling preformed sections of the hand covering on a form, holding the sections in place by means of vacuum, and then bonding the sections together by means of an adhesive.

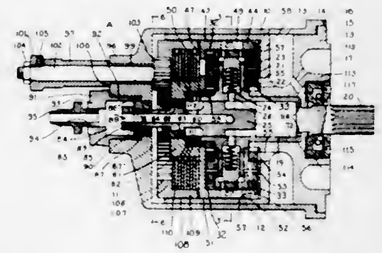
2,577,285

PUMP

Fritz Stephan, Minneapolis, Minn., assignor to Herbert G. Benz, Shakopee, Minn.; George W. Benz executor of said Herbert G. Benz, deceased

Application December 13, 1946, Serial No. 716,090

20 Claims. (Cl. 103—23)



1. A pump including a series of radially extending cylinders, means supporting said cylinders rotatable about a central axis, pistons in said cylinders, a casing within which said cylinders are rotatably supported, an inner non-circular surface on said casing and engaging said pistons for moving said pistons radially in their cylinders, means for rotatably supporting said casing, and means engageable with said casing for holding the same from rotation.

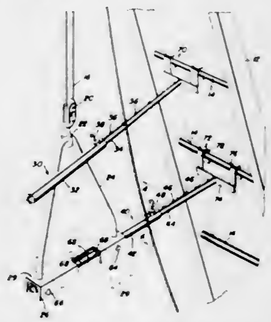
2,577,286

ADJUSTABLE LADDER JACK AND SCAFFOLD

Marius M. Streeter, Cherokee, Iowa

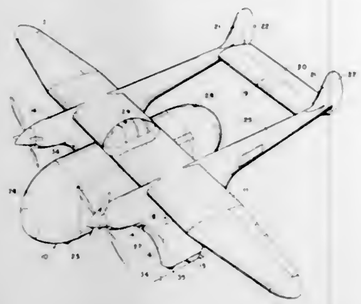
Application April 1, 1949, Serial No. 84,950

1 Claim. (Cl. 304—31)



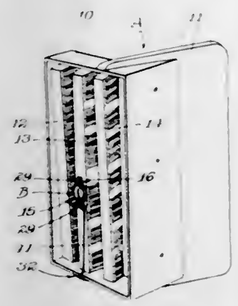
For use with a scaffold which includes a scaffold platform and a pair of inclined ladders, an attachment for each end of the platform and each ladder, each attachment comprising a base and a rigid yoke fixed rigidly to said base, extensible holders spaced from each other and attached to said yoke and said base respectively, means disposed at the ends of said holders for attachment with rungs of the ladder, one of said holders being fixed to said yoke and the other of said holders being pivoted to said base whereby said base and yoke may be freed from the ladder by swinging the pivoted holder from the ladder rungs and removal of the other holder from the ladder rungs, said base being channel-shape in cross-section and having a part of said pivoted holder nested therein, and means secured to said base and engaging said pivoted holder for releasably locking said pivoted holder within said base.

2,577,287
CARGO AIRCRAFT
George C. Sullivan, Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application July 12, 1943, Serial No. 494,269
11 Claims. (Cl. 244—118)



3. In an airplane and detachable cargo compartment combination, wherein the airplane is self contained and flyable with or without the cargo compartment, means for attaching said cargo compartment to the airplane with the center of gravity of said cargo compartment in substantially vertical alignment with the aerodynamic center of lift of said airplane; landing gear for said combination including wheel means on both said airplane and cargo compartment serving as landing wheels; and auxiliary wheel means operatively associated with the airplane and the cargo compartment, respectively, cooperable with said landing wheels to provide independent taxiing of the airplane and roadability of the cargo compartment when said cargo compartment is detached from said airplane.

2,577,288
ACCORDION MICROPHONE
Edward H. Terlinde, St. Paul, Minn.
Application August 13, 1948, Serial No. 44,181
9 Claims. (Cl. 84—1.04)

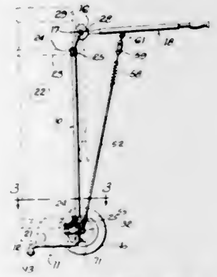


1. A microphone attachment for an accordion including a substantially flat mounting plate, a microphone having an apertured side, and radially spaced arms at substantially opposite locations supporting the apertured side of the microphone in closely spaced relation to said mounting plate.

2,577,289
METHOD OF ACTIVATING ALKALI METALS
Leonhard Tiganik, Skoghall, Sweden
No Drawing. Application June 5, 1950, Serial No. 166,297
8 Claims. (Cl. 75—134)

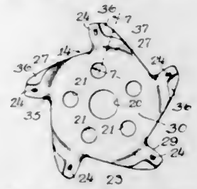
1. A method of producing activated alkali metals for use in organic chemical reactions which comprises dissolving an activating metal of the group consisting of copper, silver, tin, and lead in at least three times its weight of mercury and dissolving the resulting solution in an alkali metal in quantity sufficient to give a composition containing a quantity of the activating metal amounting to from mere traces to 1% of the alkali metal.

2,577,290
COLLAPSIBLE GOLF BAG CARRIER
Lowell E. Underwood, Chicago, Ill.
Application June 28, 1950, Serial No. 170,739
7 Claims. (Cl. 280—42)



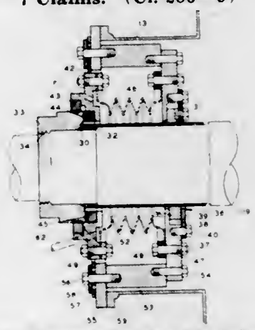
1. A collapsible golf bag cart comprising a frame, means for supporting the bag on said frame, a handle for propelling the cart pivotally mounted on said frame, a pair of wheel supports, one disposed at each side of said frame, a wheel rotatably carried on each said support, a knuckle joint interconnecting each said support to said frame for swinging movement of said supports over an angle of substantially 180° from an extended position exteriorly of the maximum widthwise dimension of said frame to a retracted position interiorly of said dimension, a pair of linkages interconnecting each said support to said handle for joint actuation of said wheels about said knuckle joints from a retracted to an extended position and vice versa upon movement of said handle, and means for biasing said wheel supports to retracted position.

2,577,291
REEL SPIDER FOR LAWN MOWERS
Gustav M. Waller, Geneva, Ill., assignor to Burgess-Norton Mfg. Co., Geneva, Ill., a corporation of Illinois
Application September 22, 1949, Serial No. 117,103
5 Claims. (Cl. 56—294)



1. A spider for lawn mover reels formed of a sheet metal plate having a substantially flat central area and a plurality of similar circumferentially spaced cutter blade saddles, each initially including a peripherally projecting segment of said plate having a relatively short leading edge undercut at its base and a relatively long following edge extending in a generally tangential direction from its outer edge to the undercut base of the proximate segment, a flat terminal portion of each segment being bent through an angle of more than 45 degrees to said flat central area to form a blade saddle, with its side edges projecting on opposite sides of said central area and each joined to said flat central area by integral reenforcing webs bent laterally from said central area in opposite directions.

2,577,292
SHAFT SEAL MECHANISM
Louis J. Weber, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 2, 1948, Serial No. 138
7 Claims. (Cl. 286—9)



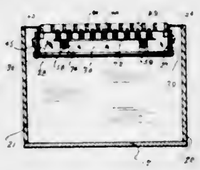
1. In high temperature apparatus having a shouldered shaft extending from the case therefor, the improvement of a shaft seal chamber adapted so as to offset displacement of said shaft in said case, said seal chamber comprising in combination a closure ring slidably mounted on said shaft; a casing ring having a substantially U-shaped cross-section affixed to said apparatus case and encompassing said closure ring in such manner that a slip-joint is made between the lateral sides of said closure ring and the adjacent interior lateral sides of said casing ring, said casing ring being enlarged interiorly so as to be of substantially larger interior diameter than the outer diameter of said shaft and intermediate its lateral sides being interiorly larger than the outer diameter of said closure ring; flexible expansible-contractible closure means surrounding a short portion of said shaft and affixed at one of its two ends by a substantially gas-tight seal to said casing ring to form a sealing chamber therein; a seal-bearing member provided interiorly with a bearing surface bearing on the circumference of said shaft and a sealing surface bearing on said shaft shoulder so as to form a substantially gas-tight seal therebetween, said seal-bearing member being mounted on said shaft so as to move longitudinally and coaxially with said shaft and being affixed to the otherwise unaffixed end of said flexible closure member by a substantially gas-tight seal, thereby substantially closing said sealing chamber; and conduit means for injecting a fluid into said sealing chamber at a pressure at least as great as the pressure maintained within said apparatus, communicating between the interior of said sealing chamber and a sealing fluid supply source exterior of said sealing chamber.

2,577,293
MULTIPLE SPOUT CONTAINER
Frank Wood, Jr., Fort Worth, Tex.
Application October 18, 1949, Serial No. 121,978
3 Claims. (Cl. 65—13)



1. In a multiple spout drinking container, the combination which comprises an outer shell having a frusto-conical shaped lower end with a plurality of spaced drinking spouts positioned around the upper end, said shell having a downwardly and inwardly sloping baffle positioned around the inner surface of the wall thereof and spaced from the lower end, said baffle having perforations in the inner end thereof, and an inner supply container having a closed lower end and an opening in the upper end positioned in the shell and carried by the baffle said baffle having a flange coacting with the outer surface of the inner supply container whereby drip is retained in the lower end of the said outer shell.

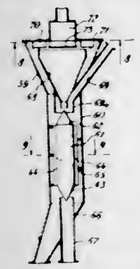
2,577,294
RECIPROCATING BRUSH DEVICE FOR CLEANING SOLES OF SHOES
Clarence R. Aben, River Rouge, Mich.
Application December 16, 1944, Serial No. 568,478
2 Claims. (Cl. 15—37)



1. In a shoe cleaning machine of the class described, a supporting structure having an open top; a swingably mounted cover for said top, having an opening formed therein; a plurality of cams rockably mounted on said cover and positioned within said supporting structure; a supporting frame below said cover and pivotally connected to one end of said cam plates and adapted for upward and downward movement in response to the rocking of said cam plates; guide rods on said supporting frame; a plurality of brush members slideably mounted on said guide rods; a grating positioned in said opening and forming a closure therefore and comprising a plurality of spaced apart bars extending parallel to said rods, each of said brush members being in alignment with one of the spaces between said bars; a roller on the opposite ends of said cams for engaging and supporting said

grating, said grating being moveable downwardly upon a predetermined weight being placed thereon, the connection of said cam plates with said supporting frame being such that upon downward movement of said grating said supporting frame will be moved upwardly sufficient to project said brush members to extend above the upper surface of said grating; means for connecting said brushes into a pair of sets, alternate brushes being connected in one set and alternate brushes being connected in another set; a rotatable wheel; a pair of pitmans, each pitman connecting one of said sets eccentrically to said wheel; a motor for rotating said wheel; and a mounting for attaching said motor and said supporting frame and said wheel together for movement vertically in unison.

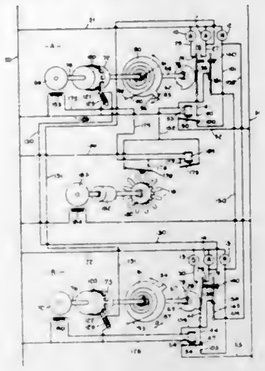
2,577,295
APPARATUS FOR SEPARATING PULVERULENT MATERIAL
Nikolai Ahlmann, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application October 20, 1948, Serial No. 55,514
In Denmark October 29, 1947
8 Claims. (Cl. 209—141)



1. An apparatus for separating pulverulent material into coarse and fine fractions, which comprises a passage extending generally upwardly and having a constriction between its ends, means for causing air to flow upwardly through the passage from below the constriction, the passage increasing abruptly in cross-section above the constriction and having a surface extending away from the upper end of the constriction and having an edge, which extends transversely to the direction of air flow and at an oblique angle to the horizontal and over which the air passes, means for introducing material to be separated into the passage above the constriction to pass downwardly through the air current, an outlet for the escape of air and entrained material from the passage above the constriction, and means for withdrawing the coarse material from the passage below the level of the upper end of said oblique edge.

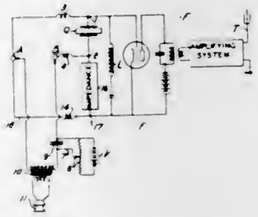
2,577,296
SYNCHRONOUS CONTROLLER
John J. Alles, Wilkes-Barre, Pa.
Application March 25, 1950, Serial No. 151,886
3 Claims. (Cl. 177—337)

1. In a traffic signal controller for controlling the green, amber and red signals on each street of an intersection having two or more streets, comprising an individual control unit for each street, each control unit including an intermittently operated timer motor operable when energized to move from initial position through a cycle to successively control the green, amber and red signals on its street, and means responsive to the display of the red signal of one unit for supplying current to the green signal of another unit and, in parallel, to the timer motor circuit of such other unit, the improvement which comprises: a holding circuit in parallel with the said timer



motor circuit; a relay in said holding circuit; a switch responsive to the energization of the said relay and controlling both the holding circuit and the said timer motor circuit; an actuator adapted for energizing said relay; and a continuously operating synchronous motor for operating said actuator at equal intervals representing submultiples of the time cycle of the controller.

2,577,297
SIGNALING SYSTEM
Haig Antranikian, Lakewood, N. J.
Application January 22, 1944, Serial No. 519,272
9 Claims. (Cl. 332—18)

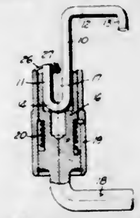


3. In a frequency modulation system comprising a piezo-electric crystal controlled oscillator having an output circuit and an input circuit including said piezo-electric crystal to which amplitude modulated input signals are applied, the method of varying the output frequencies in accordance with said input signals which comprises applying components of said input signals to said crystal and applying components of said input signals to the input circuit of said oscillator in such manner as to substantially zero the effect which the input signals applied to the piezo-electric crystal would otherwise have in the input circuit of the oscillator, and adjusting the frequency range of said crystal to desired values by applying and adjusting the magnitude of a unidirectional potential across said crystal and also in opposite polarity sense to the input circuit of said oscillator whereby to zero the net unidirectional potential bias in the input circuit to said oscillator.

2,577,298
FLASHLESS POWDER SHEET
Alpheus M. Ball, Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
No Drawing. Application May 3, 1946, Serial No. 667,128
7 Claims. (Cl. 102—98)

1. A flashless mortar-type smokeless powder sheet having a thickness of between about 0.003 inch and about 0.020 inch and comprising nitrocellulose in an amount from about 50% to about 58%, nitroglycerine from about 12% to about 44% and from about 2% to about 10% of a cooling plasticizer having a negative calorific value chosen from the group consisting of diethyl phthalate, dimethyl phthalate, dibutyl phthalate, triacetin, trinitrotoluene and mixtures thereof, the nitroglycerine and cooling plasticizer being in such proportions that the powder sheet has a calorific value between about 900 to 1100 calories per gram.

2,577,299
WIRE TIGHTENING DEVICE
Burtis William Benbow and Robert Stephen Benbow, Benbow, Calif.
Application July 28, 1947, Serial No. 764,130
2 Claims. (Cl. 140—117)



1. A tool for use in conjunction with a wire tightening device of the type comprising a body having a winding shank and adapted to be turned about an axis to wind up a length of wire upon the same; said tool comprising a head having a recess adapted to receive a portion of the winding device, crank means serving to mount the head for turning movement about the axis of the same, a sleeve rotatively carried by the head for turning movement about the axis of the head and relative to the same, means serving to limit rotation of the sleeve relative to the head between limiting positions, spring means acting between the sleeve and the head and serving to urge the sleeve to turn in one direction relative to the head, and wire holding elements formed on one end of the sleeve and adapted to engage opposite sides of a length of wire to hold the same when the wire is placed in operating position relative to the winding device, said spring acting to urge the wire holding elements in a direction to engage and hold the wire.

2,577,300
WIRE TIGHTENING TOOL
Burtis William Benbow and Robert S. Benbow, Benbow, Calif., assignors to Benbow Fence Tightener Co., Benbow, Calif., a corporation of California
Application August 7, 1950, Serial No. 178,146
4 Claims. (Cl. 140—123)

1. A tool for use in conjunction with a wire tightening device of the type comprising a loop anchoring stud attached to a winding shank and extending alongside of the same in spaced relationship therewith, the stud being shorter than the shank; said tool comprising a head having a recess adapted to nonrotatably receive a portion of the winding device, whereby a portion of the stud extends from the head of the tool and whereby the winding shank extends from the head of the tool beyond the stud, and cam



means carried by said head and projecting outwardly therefrom and adapted to deflect a wire being wound upon the device whereby during a winding operation the wire is caused to have one retaining loop wrapped about the free end of the anchoring stud and further convolutions are deflected by said cam means to be wrapped about the extended portion of the shank.

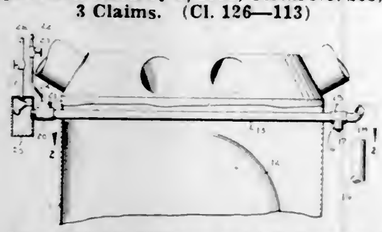
2,577,301
WIRE TIGHTENING DEVICE
Burtis William Benbow and Robert S. Benbow, Benbow, Calif., assignors to Benbow Fence Tightener Co., Benbow, Calif., a corporation of California
Application August 7, 1950, Serial No. 178,147
1 Claim. (Cl. 24—71.3)



In a wire tightening device, a body formed from a single length of metal, the metal being bent U-shaped to provide a portion made of two parallel branches for engaging a tool for turning the device about an axis parallel to the branches, one of said branches forming a winding shank and the other of said branches being substantially shorter than the first branch and forming an anchoring stud, said stud being formed with a projection on its extremity for engaging and retaining a wire loop, said projection extending laterally from said stud in a direction away from said shank, said stud and projection having an end face thereacross defining a plane which is at an angle of less than 90° with respect to the general plane of said two branches, and a retaining arm extending laterally from the shank portion, the extremity of said retaining arm being provided with a portion adapted to engage one side of a length of wire to prevent unwinding from the shank, said end face of said stud forming a camming surface for engaging a wire during

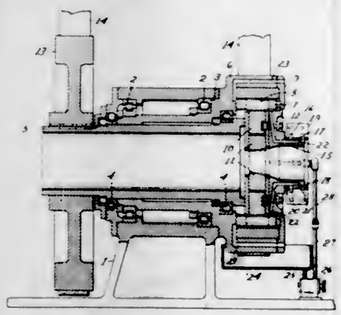
turning of the device in a wire tightening operation to direct convolutions of the wire upon the winding shank.

2,577,302
HUMIDIFIER SYSTEM FOR AIR-HEATING FURNACES
Daniel C. Bert, Monroe, Mich.
Application January 9, 1951, Serial No. 205,203
3 Claims. (Cl. 126—113)



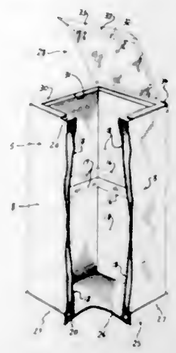
1. In a hot air furnace, an air dome, a horizontal conduit secured in said air dome and extending across the furnace, the ends of the conduit extending outside the furnace, the conduit being formed with a plurality of openings along its top wall, a water supply valve connected to one end of the conduit, and an L-fitting having the free end of one arm connected to the other end of the conduit and having the free end of the other arm angled upwardly to define an overflow passage allowing water to discharge from the conduit when a predetermined level therein is exceeded.

2,577,303
APPARATUS FOR SWAGING METALS
Paul T. Bohlander, Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 2, 1949, Serial No. 130,760
3 Claims. (Cl. 78—21)



1. Lubricating apparatus for a counter-rotating swaging machine or the like provided with an inner rotating swaging head, a rotating annular hammer roll carrier and an outer rotating head, comprising an annular end plate adapted to be attached to the inner rotating head, an annular fluid conduit concentric with this plate and formed of two annular members rotatable one on the other, one of said members being attached to the annular end plate and the other said member being maintained stationary, a plurality of fluid passages within the end plate each communicating with the annular fluid conduit and opening on the inner face of the end plate, and means for introducing fluid into the annular fluid conduit through the stationary member thereof.

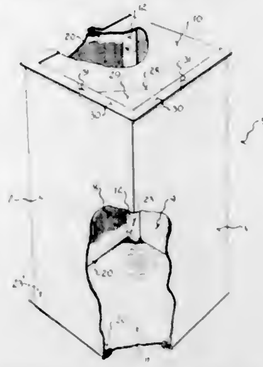
2,577,304
CONTAINER
Lewis C. Brooks, Milwaukee, Wis., assignor of one-third to Ira Milton Jones, Milwaukee, Wis.
Application April 11, 1946, Serial No. 661,308
9 Claims. (Cl. 229—5.5)



8. In a container having side walls defining a tubular body of substantially rectangular cross section: a closure supporting ledge extending around one end of the body with its outer surface flush therewith and perpendicular to the side walls of the body; an end closure for said end of the body comprising a substantially rectangular disc permanently adhered flatwise onto the outer portions of said ledge, said disc being cut along three sides thereof inwardly of its marginal edges along lines substantially parallel to the side walls of the container but overlying said ledge and having a score line inwardly of and substantially parallel to the fourth side of the disc so as to define a flap hinged on said score line and movable on its hinge axis from a closed position with marginal portions of the flap overlying and resting on said ledge to an open position uncovering the end of the body, a sealing sheet permanently adhered to the top side of the flap and of a size to completely cover the disc when the flap is closed, and means for releasably adhering the portions of the sealing sheet projecting outwardly of said hinged flap onto the marginal portions of the disc surrounding the flap.

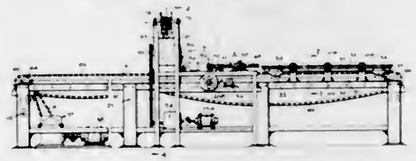
9. In a consumer type container having a flat sided tubular body made by folding a single blank on appropriate score lines: end closure supporting ledges projecting inwardly from the sides of the container flush with its ends and extending thereabout, said ledges being formed by integral extensions on the marginal edges of the side walls of a length at least equal to one-half the height of the body and having score lines extending thereacross transversely to the score lines defining the side walls of the body to produce ledge defining strips connected with the marginal edges of the side walls and anchor strips at the extremities of the extensions adapted to substantially meet one another when the extensions are folded back on said ledge defining score lines toward the sides of the container; at least one of the inner strips of each extension being cut away adjacent to the corners of the body to facilitate folding said ledges around the inner corners of the body; and means for securing said anchor strips at the extreme marginal end portions of the extensions flatwise against their respective side walls with the anchor strips substantially meeting each other.

2,577,305
CONSUMER TYPE CONTAINER
Lewis C. Brooks, Milwaukee, Wis., assignor of one-third to Ira Milton Jones, Milwaukee, Wis.
Application March 23, 1949, Serial No. 83,046
12 Claims. (Cl. 229—37)



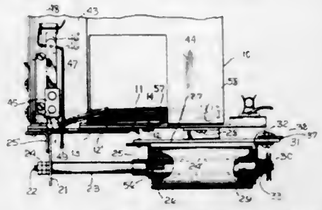
1. In a consumer type container: a body having flat upright side walls; means providing for the attachment of an end closure to the top of the body in a manner precluding pin point openings at the corners, comprising inwardly directed flat topped ledges on the upper ends of the side walls, said ledges being substantially perpendicular to the side walls and having corner portions each of which is formed by a continuous unbroken flat edge portion on and common to the adjacent side wall portions, bent in therefrom and extending without break around the corner at which point said edge portion is pleat-lapped, the undersides of the ledges formed by said continuous unbroken flat edge portion being exposed to the contents of the container.

2,577,306
APPARATUS FOR UNITING METAL TO GLASS
Charles M. Browne, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 22, 1947, Serial No. 762,609
8 Claims. (Cl. 113—59)



1. In apparatus for uniting a strip of metal to a sheet of glass, means for supporting the glass sheet and for carrying it forwardly, means for withdrawing a strip of metal from a source of supply and progressively placing it on the glass sheet as said sheet moves forwardly, means for directing a body of solder to the line of juncture of the metal strip and glass sheet during continued forward movement of said sheet and strip, solder melting means adjacent said line of juncture and surrounding the path of travel of said body, and means located between the path of travel of said sheet of glass and the source of supply for said strip of metal and operable when said sheet reaches a predetermined point in its forward movement to cut a metal strip of predetermined length from its source of supply.

2,577,307
MECHANISM FOR CONTROLLING THE ACTUATION OF ELECTROMAGNETIC COILS
Elmer Carlson, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1949, Serial No. 128,203
2 Claims. (Cl. 175—335)



1. For a combination, an electromagnetic coil, oppositely arranged aligned plungers adapted for movement in one direction toward each other within and under the influence of said coil, a power circuit for the coil, spring means for moving said plungers in opposite directions with respect to each other, a coin-actuated switch in said circuit for initially controlling energization of said coil by said power circuit, said switch comprising an actuating wire having an angled end portion disposed in the path of said coin, a holding switch in said circuit in parallel with said initiating switch and having means providing operative connection with one of said plungers for maintainng energization of the coil by said power circuit when said coin-actuated switch is opened, the other of said plungers having a reduced end portion adapted to engage said one plunger to move said one plunger in a direction to open said holding switch to deenergize said coil, said means providing said operative connection between said holding switch and said one plunger comprising a pair of disks mounted on said one plunger in spaced relation with respect to each other, and a switch leaf of said holding switch having an end portion adjacent its contact head disposed between said disks.

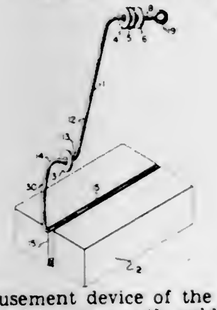
2,577,308
SPARK PLUG SHIELD
Harley W. Carson, Caprock, N. Mex.
Application September 30, 1949, Serial No. 118,863
1 Claim. (Cl. 123—198)



In combination with an engine cylinder head having a spark plug receiving pocket of partly cylindrical shape opening to the outer end and the side thereof, a cylinder head bolt located adjacent said pocket, and a nut threaded onto said bolt, a spark shield assembly comprising a plate having a first aperture receiving said cylinder head bolt and a secured aperture spaced from said first aperture, said plate being clamped between the corresponding nut and the cylinder

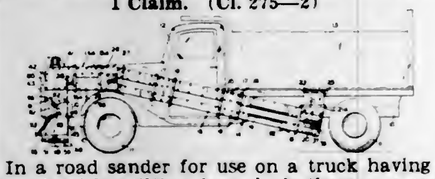
head, a pivot screw in said second aperture, and a shield secured at one end to said plate by said pivot screw, said shield comprising a body of thin wall material having two walls disposed substantially at right angles to each other, one of the walls of said shield being adapted to cover the outer open end of said pocket and having a curved edge remote from the other of said walls contoured to fit the shape of the outer open end of the spark plug receiving pocket in the cylinder head and having at one end a depending apertured tongue receiving said pivot screw, and the other wall of said shield being of generally rectangular shape and adapted to cover and partly close the side of said spark plug receiving pocket but having a width somewhat less than the width of the open side of said pocket to provide for the passage of ventilating air into and out of said pocket.

2,577,309
AMUSEMENT DEVICE
Roger L. Carwile, Cambridge, Mass.
Application February 25, 1947, Serial No. 730,715
5 Claims. (Cl. 46—1)



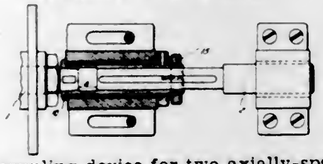
1. An amusement device of the character described comprising a smooth guide wire having relatively long portions and a short depressed region therein intermediate the long portions, a base supporting said guide in a substantially upright position with the depression forming a horizontal step, a flat, thin, highly elastic member formed as a disc with a hole therein through which the guide loosely extends, supported freely by said guide in upright position in said depression, a second similar member positioned about said guide at a point above said first member and adapted to be propelled along said guide against said first member, whereby said second member will abruptly stop on contact with the first member and impart its momentum to said first element.

2,577,310
VEHICLE SUPPORTED ROAD SANDER
Edward F. Connelly, St. Paul, Minn., assignor of one-half to Eva E. Stewart, St. Paul, Minn.
Application September 13, 1946, Serial No. 696,759
1 Claim. (Cl. 275—2)



In a road sander for use on a truck having a chassis with a tilting dump body thereon, a conveyor having means for connecting it to said chassis and having an upwardly open inlet end portion, said conveyor inlet being defined by a flared mouth portion, a material discharge spout having means for connecting the same to the lower portion of said dump body, said spout being adjacent to and surrounding a discharge opening in said lower portion of said dump body, said discharge opening being controlled by a slidable plate, a depending flexible and compressible lower skirt portion having means for securing it to the bottom of said material discharge spout, said spout and said skirt portion being unattached to said conveyor but aligned with the flared mouth portion thereof when said dump body is in the normal or horizontal position, and said flexible and compressible skirt of the spout freely telescoping within said flared mouth portion but automatically separated therefrom when said body is tilted in a dumping position.

2,577,311
COUPLING DEVICE FOR TWO COLINEAR SHAFTS
Georges Emile Cuttat, Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France, a company of France
Application December 28, 1946, Serial No. 719,084
In France August 1, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 1, 1959
6 Claims. (Cl. 287—108)



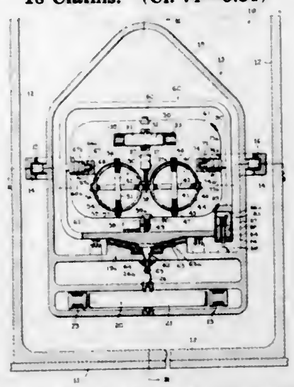
1. A coupling device for two axially-spaced colinear shafts, comprising a slidable sheath nonrotatably mounted at the end of one of said shafts and having at one of its ends a conical female part, a corresponding conical male part provided on the end of the other of said shafts, a bearing supporting said sheath, said bearing being axially displaceable with respect to said shafts, and means for locking longitudinally said sheath on at least one of said shafts.

2,577,312
ROTATABLE WORK HOLDER FOR ARTICLES TO BE LAPPED OR GROUND
Lawrence Edward Donahue, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application July 30, 1949, Serial No. 107,788
2 Claims. (Cl. 51—217)



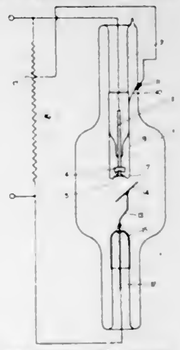
1. A rotatable holder for long thin objects of which the cross section is a regular polygon and the end surfaces of the objects are to be finished by lapping or the like, said holder comprising a dished member having a substantially flat bottom and conical sides, said sides having grooves to receive a portion of the objects and said bottom having openings of the same cross section as the said objects aligned with the grooves through which other portions of the objects extend, a second member adapted to fit into the first member and contacting the objects over a substantial length of said objects, a hollow bolt passing through both members, and a nut for the bolt for clamping the members together, thereby to clamp the objects between the members, said hollow bolt being adapted to receive a pivot pin about which the holder may rotate.

2,577,313
GYROSCOPIC APPARATUS
Frederick H. Downing, Balboa, C. Z.
Application July 20, 1949, Serial No. 105,853
18 Claims. (Cl. 74—5.34)



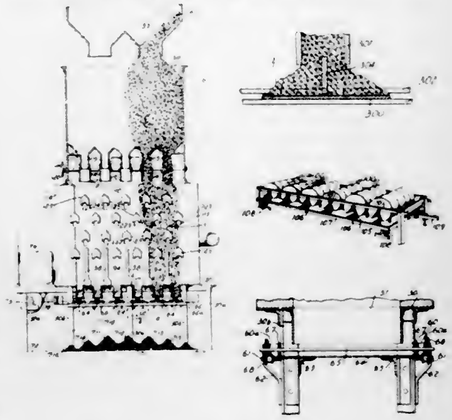
1. Navigational apparatus, comprising, gyroscopic bed means supported for freedom of rotation on a vertical axis suited for being substantially aligned with the earth's center of gravity and on a transverse axis suited for setting in a plane substantially normal to the polar axis of the earth, spaced frames mounted to said bed means and having freedom of rotation on substantially parallel axes at right angles to said transverse axis of support, gyroscopic rotors corresponding to said frames and mounted thereto for spinning on axes substantially at right angles to said substantially parallel axes and maintaining spatial direction as a basis for determining changes in longitude of position relative to the earth, ring gears around said frames and rotatable on the same axis therewith, and pinion means disposed on said bed means for rotation around said ring gears in accordance with sidereal rotation of the earth and changes in longitude of position and for interconnecting said rotors in precessional force opposition through said rings gears and frames.

2,577,314
ELECTRONIC DISCHARGE DEVICE
Eric Eastwood, Great Baddow, and John McIntyre Ferguson and Kenneth William Brown, Stafford, England, assignors to The English Electric Company Limited, London, England, a British company
Application November 17, 1948, Serial No. 60,526
In Great Britain November 19, 1947
10 Claims. (Cl. 313—56)



1. A high vacuum electron discharge device including an evacuated envelope, an anode and a cathode within said envelope, said cathode consisting of a body of metal in the solid state, and an igniter electrode of high resistance material, one portion of which is in intimate contact with said cathode, and another portion of which is connected to a terminal for a source of control impulses.

2,577,315
VARIABLE DISCHARGE MECHANISM
Thomas R. Ellerbeck, Salt Lake City, Utah
Application April 12, 1946, Serial No. 661,535
17 Claims. (Cl. 222—135)





1. In combination, walls defining an elongate gravity discharge opening; stop means having a material-receiving surface spaced substantially directly below said discharge opening and adapted to normally stop gravity flow of material from said discharge opening; an elongate displacement bar mounted between said discharge opening and said stop means for controlled movement transversely of said discharge opening and of said stop means, the transverse movement of said bar being adapted to displace material resting on said stop means and to thereby discharge a corresponding quantity of material from said receiving surface of said stop means; independently settable control elements arranged to engage opposite ends of said bar for imparting differential movement thereto so as to discharge material from said stop means variably along the length of said bar; and drive means for said control elements.

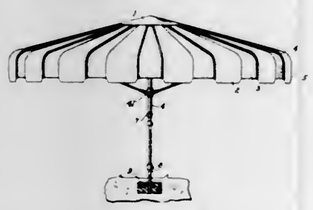
14. A device of the class described, comprising a plurality of spouts forming a series of gravity discharge openings; a corresponding plurality of stop means mounted for lateral movement substantially directly below the respective discharge openings and spaced therefrom; and means to impart independently to opposite ends of each stop means, transverse reciprocatory travel, said means comprising a plurality of independently adjustable drive elements arranged at opposite ends of said stop means, a single one of said drive elements at each of said opposite ends of said stop means.

2,577,316
METHOD OF MANUFACTURING CUTTING TOOLS, SUCH AS SCISSORS AND KNIVES
Charles Frederick Ern, Jr., White Plains, N. Y.
Application October 22, 1949, Serial No. 122,914
In Germany August 24, 1949
5 Claims. (Cl. 76—101)



1. Method of manufacturing cutting tools having blades integral with handles comprising the steps of producing a sheet metal blank having a contour incorporating the material for at least one pair of cutting tools having their straight cutting edges positioned parallel and adjacent to and cohering with one another, forging said blank so as to shape the handles, simultaneously grinding each of the two faces of said blank to provide them with concave faces extending substantially the whole length of the blade-portion of said blank, the said grinding being effected by grinding discs rotating about axes extending in the longitudinal direction of the blades, and subdividing said blank so as to separate the individual cutting tools.

2,577,317
LOUVERED SHADE STRUCTURE
Leroy S. Eschrich, Pittsburgh, Pa.
Application July 31, 1946, Serial No. 687,291
8 Claims. (Cl. 108—3)



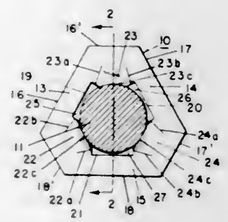
1. An awning umbrella comprising a central supporting column having a hood at the upper end thereof, a circumferential girder disposed beneath said hood and supported from said column, and cover louvers attached to said hood and to said girder, said louvers comprising sheets having their longitudinal edges shaped to form flanges at an angle less than a right angle, said louvers being curved at their lower free ends to form a valance, alternate louvers being disposed with their flanges in opposite directions, spaced and overlapping, whereby the flanges of adjacent louvers interact to permit the ingress of light and exclude rain and mist.

2,577,318
GARMENT POCKET
Irving M. Falk, Philadelphia, Pa., assignor to Nu Pocket Method Company, Philadelphia, Pa.
Application August 16, 1948, Serial No. 44,465
1 Claim. (Cl. 2—247)



In a garment pocket, front and rear garment sections sewn together throughout the major portions of their lengths forming a seam and being free above the seam to form a pocket opening, the free edge of the front garment section folded inward at an angle to produce an inclined turned edge, a strip of pocket material folded upon itself on a vertical line to provide outer and inner panels and disposed in the garment with the upper portion of said outer panel between the main and inturned parts of said front garment section and sewn in place, a facing strip and a hanger strip sewn to the free edge of the rear garment section, and said hanger strip sewn to the edge of the inner pocket panel and said facing strip sewn to said inner pocket panel an appreciable distance from the hanger strip and disposed to cover the latter, and a binding tape enclosing the edges of both pocket panels along the bottoms and side to the pocket opening of the garment and the coinciding edges of the hanger strip and inner panel of the pocket.

2,577,319
RETAINING RING
Rudolf Feitl, Brooklyn, N. Y., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y., a corporation of New York
Application October 11, 1948, Serial No. 53,844
6 Claims. (Cl. 85—36)



1. A retaining ring of the self-locking type adapted to form an artificial shoulder on a shaft capable of preventing axial displacement of a machine part mounted thereon, said ring comprising a substantially triangular body having a central shaft opening, three prongs struck out from the material of the angles of the body and having inner edges adapted to frictionally engage the shaft, the center lines of said prongs coinciding with lines bisecting the angles of the ring body, the inner edges of the body between prongs being straight and parallel to the outer side edges of the body and defining elongated shallow recesses opening into the shaft opening and which provide shaft clearance between the prongs and the corresponding side edges of any two prongs being substantial continuations of the adjacent straight body inner-edge which extends between said two prongs, the side edge portions of the body thus extending as straight arms between and which effectively connect the prongs.

2,577,320
PERFUME CONTAINING PAINTING
Julius Fenyo, Freeport, N. Y.
Application March 23, 1948, Serial No. 16,411
1 Claim. (Cl. 41—14)



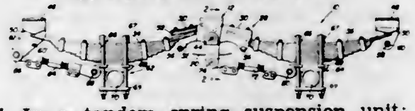
Means for perfuming the air surrounding a picture frame enclosing a picture of a flower with a scent resembling that of the illustrated flower, comprising an elongated wick saturated with a suitable perfume, the frame having a vertically elongated recess along one side thereof in which the wick is positioned, and an elongated cover closing the open side of said recess, said cover having apertures through which the aroma from said wick can pass, said cover being pivoted at its top end to depend in a position closing the open side of said recess and with the outer face of said cover flush with the side of the frame, the frame having a notch at the face bottom end of said cover by which a grip can be had on said cover for pivoting it to an open position to expose said wick for resaturation.

2,577,321
NOSE DROP DISPENSER
Joseph B. Filger, Cincinnati, Ohio
Application October 29, 1949, Serial No. 124,465
3 Claims. (Cl. 128—173)



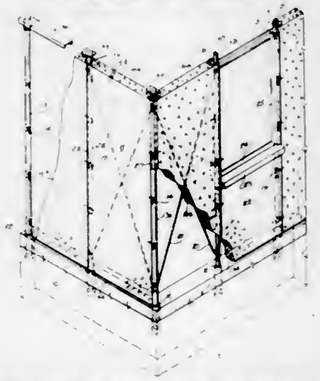
1. A compressible dispenser for nose drops or the like comprising an open ended hollow receptacle formed from polyethylene or the like, said receptacle having a body portion and a neck extending upwardly therefrom, said neck having a peripheral flange thereon, the upper surfaces of said neck above the peripheral flange being rounded and tapered to form a nasal insertion portion, a plug formed from a hard surfaced material fitted in the open end of the receptacle, said plug being generally cylindrical in configuration and being of lesser diameter than that of the upper end surface of the receptacle, said plug having an outlet aperture therein and air channels interconnected to said outlet aperture and to the interior of the receptacle, and a tube formed from a compressible material fitted into the under side of the plug and depending into the body of the receptacle.

2,577,322
TANDEM SPRING SUSPENSION UNIT
Van L. Frazier, Springfield, Mo., assignor to Frazier Tandem Systems, Incorporated, Springfield, Mo., a corporation of Missouri
Application July 5, 1950, Serial No. 172,114
12 Claims. (Cl. 280—104.5)



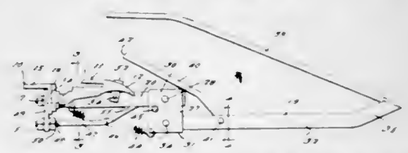
1. In a tandem spring suspension unit; an equalizer housing bracket comprising a housing opening at opposite ends and including a pair of spaced side walls, a stub shaft extending between the side walls, an equalizer centrally journaled on the shaft and having oppositely extending arms projecting from the housing, a pair of tandem springs having adjacent ends engaging said arms, a horizontal perch carried by the housing, said perch being below and in spaced relation to said equalizer arms and extending sufficiently from the housing to be engageable by the adjacent ends of the springs in order to prevent inadvertent displacement of the springs from the arms.

2,577,323
BUILDING WALL CONSTRUCTION
Eugene Goenner, Woodside, N. Y.
Application October 16, 1946, Serial No. 703,661
3 Claims. (Cl. 72—16)



1. A building construction including a foundation, equi-spaced upwardly extending openings in the foundation, vertical hollow columns one end of which is received in said openings and intially slidably mounted therein, a plurality of apertures in the columns, panels between the columns, reinforcing elements within the panels and extending beyond the vertical edges thereof, the ends of the reinforcing elements being bent upwardly to form hook-like members, the hook-like members entering the apertures in the columns with the hook ends extending upwardly and away from the inner wall of the columns, whereby when the hook members engage the columns and the columns are forced downwardly into the openings in the foundation, the panels will be drawn toward said columns thus forming a wall of the building.

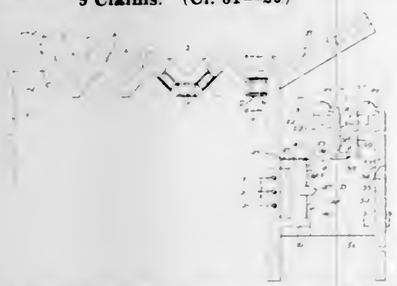
2,577,324
PICKUP GUARD
Reuben E. Goesch, Sutton, Nebr.
Application March 29, 1949, Serial No. 84,045
3 Claims. (Cl. 56—312)



1. An attachment for securing a pick-up guard to one of a plurality of longitudinally extending guard fingers projecting from the front of a mower platform comprising a bracket positioned longitudinally of and in partial embracing relation with respect to one of said guard fingers and having one end secured to said mower platform, the other end of said bracket being adapted to be

connected to a pick-up guard arranged in end to end relation with respect to said other end, a clip positioned longitudinally of and above said bracket intermediate the ends thereof and having its ends secured to said bracket for embracingly receiving a portion of said one guard finger, and a brace rod arranged below and in parallel spaced relation with respect to said bracket, and having one end dependingly and adjustably secured to said mower platform and having the other end secured to said bracket adjacent to and spaced from the other end thereof.

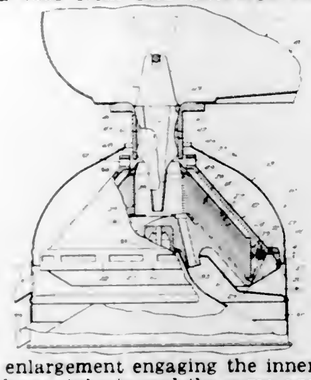
2,577,325
WAVE AND TIDE POWER PLANT
Chester G. Haskell, Los Angeles, Calif., assignor, by decree of distribution, to Earl H. Haskell and Betty Sue Haskell
Application September 22, 1947, Serial No. 775,538
9 Claims. (Cl. 61—20)



7. A wave and tide power plant comprising a reservoir for holding a supply of water at substantially a predetermined level, the reservoir having a wall disposed along a tide water shore line and continuing seawardly at its two ends in divergent breakwaters, said wall between the breakwaters being of zig-zag contour providing a plurality of seaward facing coves into which waves are gathered for passage over the wall into the reservoir, a low wall disposed across one of the coves and having a top cross member, a float valve pivoted to said top member for vertical swinging on the reservoir side of the low wall between the two sides of the cove to be elevated by water in the reservoir, means limiting the upward swing of the valve, a discharge reservoir at one side of the first reservoir, an outlet port leading from the first reservoir to the discharge reservoir, power generating means in said port for operation by water passing therethrough, the discharge reservoir having a seaward facing wall behind and spaced from an adjacent breakwater, an outlet in the last wall, and said breakwater having a length substantially equal to that of the last mentioned wall whereby to provide a calm water area in front of the last wall.

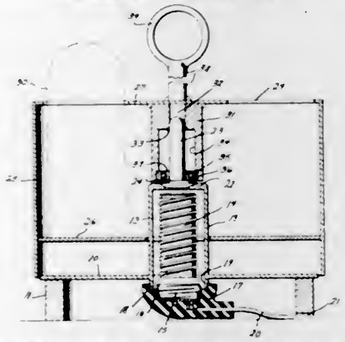
2,577,326
LIQUID SUPPLY MEANS FOR POWER WASHING CREAM SEPARATOR
William H. Harstick, Oak Park, and Hilmond O. Vogel, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application July 14, 1948, Serial No. 38,614
6 Claims. (Cl. 233—1)

1. A supply means adapted for supplying washing liquid and liquid to be treated to a separating bowl comprising a supply can, a discharge tube connected to said supply can and in communication therewith; a liquid feed tube within said discharge tube, said feed tube including a body having a shoulder engaging said discharge tube; a rounded annular enlargement adjacent the lower portion of said body, a tubular extension connected to said body and adapted to project into a separating bowl, and a handle on said feed tube whereby an operator may axially displace said feed tube from said discharge tube, said



rounded enlargement engaging the inner wall of said discharge tube to seal the same against the discharge of water therethrough until said enlargement has been axially displaced from within said discharge tube.

2,577,327
ELECTRICALLY HEATED CONTAINER FOR CONDIMENT SHAKERS
Robert Towner Hill, Coral Gables, Fla.
Application December 5, 1950, Serial No. 199,173
8 Claims. (Cl. 219—19)

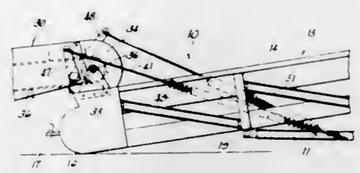


1. An electrically heated container for condiment shakers comprising a base member, a heater installed in said base member, and a shaker carrier rotatable about said base member and removably supported on said base member, said base member comprising a support within which said heating element is mounted with open lateral portions in the support communicating with the interior of said carrier when in place on the support.

2,577,328
SPRING BALANCED RECEIVING CONVEYER FOR PORTABLE ELEVATORS
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 14, 1948, Serial No. 38,663
5 Claims. (Cl. 198—87)

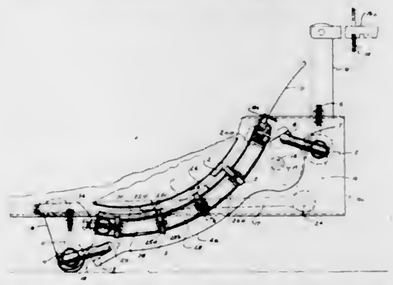
1. A portable elevator having a conveyor trough; means for delivering material to said trough comprising a receiving hopper, means pivotally connecting said hopper to said conveyor trough whereby said hopper is swingable from a

substantially horizontal operating position, to a vertical position, and substantially beyond said vertical position to a folded transport position, resilient means connected to said hopper, said means including a first expansible member ar-



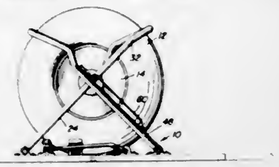
ranged to urge said hopper from the operating position to a vertical position, and a second expansible member arranged to urge said hopper from the folded transport position to a vertical position.

2,577,329
ADJUSTABLE CONCAVE
Houston N. Irvine, Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application June 7, 1946, Serial No. 675,162
5 Claims. (Cl. 130—27)



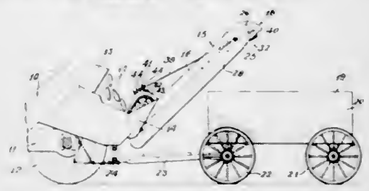
4. In a thresher cylinder and concave construction a rigid arcuate concave and means for moving and guiding said concave as a unit for adjustment toward and from the axis of the cylinder comprising means for adjusting the front portion of the concave radially toward and from the cylinder, means for adjusting the rear portion of the concave radially toward and from the cylinder, and pin and slot means for guiding said concave in its adjusting movement toward and from the cylinder enabling floating movement of the concave radially toward and from the cylinder and holding it against circumferential movement with respect to the cylinder, each of said adjusting means comprising a rock arm rotatable about a fixed axis having a pin engaging a slot in the concave, said front and rear rock arm slots extending substantially in the same general direction substantially tangentially with respect to the cylinder and said guide slot extending transversely with respect to the slots in the concave and substantially radially with respect to the axis of the cylinder, said moving means comprising common means for actuating the rock arms.

2,577,330
AIRPLANE GROUND LOCK
Elmer O. Johnston, Oreana, Idaho
Application July 28, 1949, Serial No. 107,297
7 Claims. (Cl. 188—32)



1. A chock for use with a wheel of a machine, the wheel having a tire with a tread, said chock comprising a bed member adapted to be positioned on the ground, a pair of arms pivotally mounted at one end on the member, the pivoted ends of the arms being spaced apart, the opposite ends of the arms being provided with tire tread contacting portions which extend at an angle and which are offset with respect to the remainder of the arms, means for normally retaining said arms in a folded position on the bed member, release means for said retaining means actuated by the wheel of the machine, and means responsive to said foregoing means for urging the arms and the thread contacting portions upwardly into complementary clamping engagement on the upper portions of the tire tread of the wheel.

2,577,331
DEFLECTOR FOR WAGON ELEVATORS
Elof K. Karlsson and John L. Aasland, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application February 23, 1950, Serial No. 145,866
5 Claims. (Cl. 198—65)

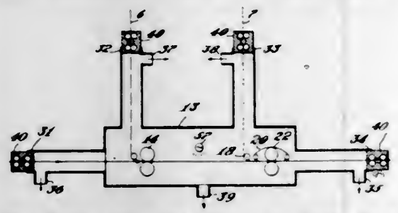


1. A deflector for wagon elevators of the type having an upwardly and rearwardly inclined conveyor within a housing having spaced side sheets comprising a shaft extending across and journaled for rotational movement in said side sheets, a flexible curtain fastened to said shaft, means for adjusting the angular disposition of said flexible curtain, said means for adjusting the curtain including a pair of spaced apart arms fixed to said shaft and inclined downwardly and rearwardly spaced from said curtain, and flexible means joining the lower end of said curtain to the lower end of each arm whereby rotation of the shaft causes an arcuate movement of the arms and a corresponding movement of the curtain.

2,577,332
IMBIBITION PRINTING
John F. Kienninger, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application September 27, 1945, Serial No. 618,830
6 Claims. (Cl. 101—149.1)

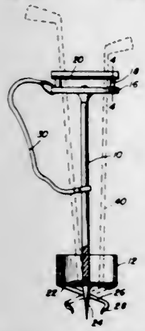
1. In imbibition printing cinematographic film by transferring dye from one film to another, the method which comprises feeding the two films

into contact with each other in a zone of reduced pressure while one of the films is wet, and rolling them into intimate contact with each other while



in said zone the films being fed together at an oblique angle defining a tapered crotch between the two films.

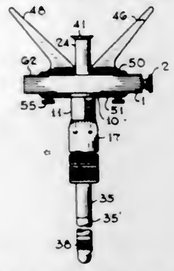
2,577,333
GOLF CLUB CARRIER
Blaine Klum and Warren Tucker, Oakland, Calif.; Florence Klum, administratrix of said Blaine Klum, deceased, assignor, by mesne assignments, to Warren Tucker III, Oakland, Calif.
Application September 2, 1947, Serial No. 771,672
1 Claim. (Cl. 150—1.5)



A golf club carrier comprising a support member having a bottom wall, a ground penetrating element having an enlarged upper end engaging the under side of said bottom wall, an externally threaded nipple rising from the upper end of said element and projecting upwardly through said bottom wall, a shaft having a threaded recess in one end receiving the nipple to hold the shaft and element stationary against said bottom wall, and ground anchoring means carried by and depending from said bottom wall.

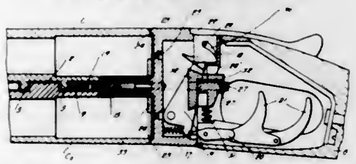
2,577,334
MICROMETER SCRIBING TOOL
Walter Kozlowski, Irvington, N. J., assignor of one-half to Peter J. Gaylor, Newark, N. J.
Application June 2, 1948, Serial No. 30,667
2 Claims. (Cl. 33—189)

1. In a micrometer scribing tool employing a block having a flat forward guiding surface, a central opening through said block perpendicular to said guiding surface, a hollow cylinder fitted at one end into an end of said opening opposite said guiding surface, and having internal threads, a calibrated cylinder mounted on said cylinder so as to ride therewith, a hollow scriber rod spindle having external threads riding on the internal threads of the hollow cylinder, a scriber rod fastened inside said scriber rod spindle and riding therewith, the forward end of which projects through said block and on which is attached the scriber, and a vernier reading cylinder mounted over said calibrated cylinder and fastened to the rearward end of said spindle so as to ride therewith, said vernier cylinder being turned to propel said scriber, said tool also employing a V-shaped center head for use on circular edges, the V being made of forwardly projecting prongs, 90° apart, the improvement comprising a collared



mounting on the bottom of the V of the center head, for central positioning on said block so that the scriber projects from the bottom of the V between the two prongs thereof, engaging means on said mounting for engaging said center head on said block in removable relation thereto, and said scriber having a circular scribing edge disposed completely around the scriber rod spindle.

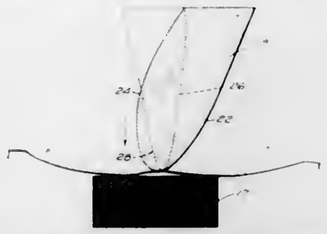
2,577,335
DOUBLE-BARREL GUN OF THE SWINGING BARREL TYPE
Victorine Marie Marguerite Lambert, Tangier, French Morocco, Africa
Application June 11, 1947, Serial No. 753,876
In Belgium June 21, 1946
7 Claims. (Cl. 42—12)



6. In a double barrel gun of the swinging barrel type a pair of interconnected barrels; an annular trunnion near the rear end of said barrels projecting between them in a direction perpendicular to the axis of said barrels; a buttstock; a breech-block secured to said buttstock; a barrel supporting slide plate fitting between the parallel related barrels; a circular aperture in the forward portion of said slide plate to receive said annular trunnion forming a swinging mount for said barrels; said slide plate being longitudinally movable relative to said breech block and locking means mounted in said buttstock to draw and lock the slide plate in its rear position in which the rear ends of said barrels are applied against said breech block.

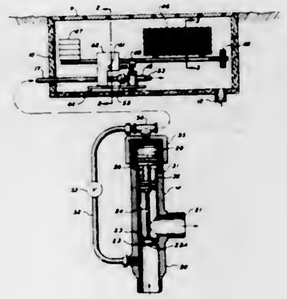
2,577,336
METHOD OF MAKING PROPELLER BLADES
Glen T. Lampton, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application April 23, 1943, Serial No. 484,254, now Patent No. 2,511,858, dated June 20, 1950. Divided and this application June 28, 1947, Serial No. 757,845
5 Claims. (Cl. 29—156.8)

1. The method of forming an airfoil shaped shell for a hollow propeller blade varying in shape throughout its length and incorporating a twist between its shank and tip ends and having a substantially straight leading edge which comprises, deforming a substantially flat sheet to produce depressions therein having substantially the shape of the face and camber sides of the



finished shell including said twist, folding said shell on a substantially straight line between said depressions bringing the edge portions of said folded sheet into contact, and welding said edge portions along a line adjacent to the desired final outline of said blade.

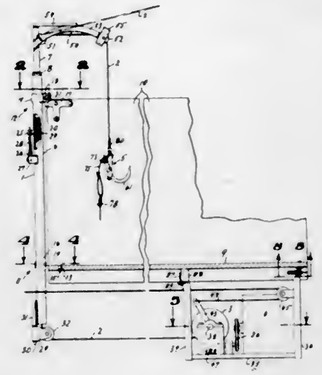
2,577,337
SPRINKLER CONTROL
Kermit P. Lancaster, Arcadia, Calif.
Application July 24, 1947, Serial No. 763,366
4 Claims. (Cl. 299—25)



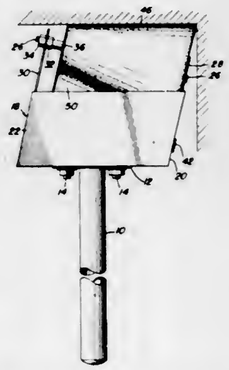
1. In a sprinkler system including a pressure control valve and a pilot valve operable to actuate the pressure control valve, means for operating the pilot valve comprising a body of water absorbent material disposed to receive water directly from the sprinklers and vertically displaceable as a function of the water content of the body and means interconnecting the body and pilot valve to actuate said pilot valve responsive to vertical displacement of the body.

2,577,338
BALE HOIST
Barton J. Leach, Sutter County, Calif.
Application April 29, 1946, Serial No. 665,743
4 Claims. (Cl. 212—64)

1. In combination, a vehicle bed having a bearing and a bracket supported above the bearing, a standard having an arm projecting at a right angle near the lower end thereof, a pin projecting from the arm and receivable in the bearing, the standard being rotatable on the arm so as to be swingable into vertical position after the pin has been positioned in the bearing, and detachable means for securing an upper portion of the standard to the bracket.

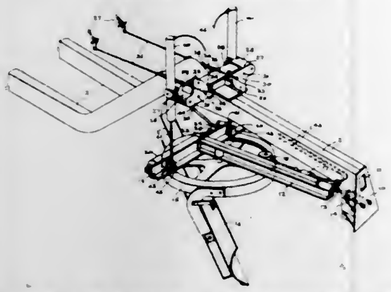


2,577,339
CEILING AND WALL PAINT APPLICATOR
Joseph O. Lee, West Allis, Wis.
Application February 24, 1949, Serial No. 78,146
2 Claims. (Cl. 91—62.5)



1. A paint applicator comprising a handle having a receptacle attached thereto, said receptacle including side walls, a bottom wall and substantially parallel angularly inclined end walls, an upper and lower parallel shaft supported by said end walls and having an upper and a lower frusto conical roller disposed respectively on said upper and lower shaft, said upper roller having its upper edge spaced outwardly from the receptacle for contact with a ceiling and wall selectively, said upper roller having its wider end located directly above the narrower end of the lower roller and substantially parallel to the angularly inclined ends of the receptacle, the wider end of said upper roller having its upper edge spaced outwardly of the adjacent end of the receptacle so that the wider end of the upper roller and the adjacent end of the receptacle will be spaced from an adjacent wall when paint is being applied to one wall in a corner.

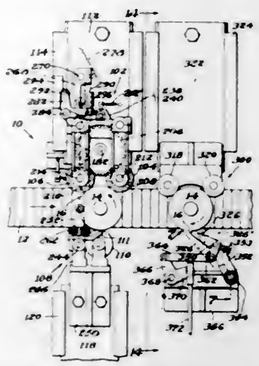
2,577,340
ROAD GRADER
John G. Macdonald, Goderich, Ontario, Canada, assignor to The Dominion Road Machinery Co., Limited, Goderich, Ontario, Canada
Application July 8, 1948, Serial No. 37,615
8 Claims. (Cl. 37—156)



1. In a road grader, the combination with a support frame, a drawbar swivelled thereto adjacent its forward end and a scraper blade rotatably supported from said drawbar, of a slide carried by and transversely slidable of said drawbar adjacent the rear thereof, hanger means pivotally connected between said support frame and said slide affording a rigid strut permitting swivelling of the rear of said drawbar relative said frame while maintaining the spacing of said frame and drawbar, means to effect the relative movement of said slide and drawbar to side shift said scraper blade, transversely spaced support means carried by said support frame and pivoted to swing about axes arranged on opposite sides of said support frame and outwardly of said support frame to adjusted positions relative thereto, releasable lock means for holding said support means in adjusted position, and hydraulic cylinder means connected between said drawbar and said support means transferring reactive thrusts from said scraper blade and effecting the movement of said support means when released and for moving the scraper blade from road grading to bank-sloping position when said support means are locked in adjusted position.

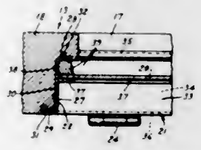
2,577,341
CONTAINER HANDLING AND REGISTERING APPARATUS
Joseph Magnusson, Wollaston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 19, 1949, Serial No. 82,303
20 Claims. (Cl. 198—33)

20. Container handling and registering apparatus having, in combination, an intermittently operated conveyer for conveying successive containers having lettering formed on the surface thereof, and container registering mechanism for registering the containers with the lettering disposed in a predetermined position with respect to the conveyer, comprising means disposed at one station of operation for rotating the container to a preliminary position of registration approximating said predetermined position, means engageable with the top of the container for clamping and holding the container in its preliminary position during intermittent movement to a second station, a registering finger engageable with the surface of the container at said second station, means for moving the finger along the surface and into engagement with one side of the lettering to effect rotation into said predetermined position, a pivotally and yieldingly mounted stop finger cooperating with said registering finger and engageable with the opposite side of said lettering to assure accurate and uniform positioning of successive containers in said predetermined position, and a reciprocal member having a pair of idler rolls arranged to support



the container for rotation when moved into operative position therewith during the registering operation, and means for simultaneously operating said registering finger and reciprocating said idler rolls into operative engagement with the container in timed relation to the intermittent movement of said conveyer.

2,577,342
DOUBLE HUNG SASH
Carlo V. Mancini, Stratford, Conn.; Thomas C. Mancini administrator of said Carlo V. Mancini, deceased
Application June 8, 1948, Serial No. 31,719
5 Claims. (Cl. 20—48)



1. In a window sash, an outer frame comprising a top, a bottom and two spaced parallel side rails having aligned flat inner surface portions, an inner frame having a closed position within said outer frame and comprising top, bottom and side rails having aligned flat outer surface portions facing the flat inner surface portions of the outer frame when the inner frame is in closed position, longitudinally extending beads on the forward faces of three of the rails of the outer frame, forward extensions on the rails of the inner frame, laterally disposed transversely hollow portions on the forward edges of said extensions and overlying and embracing said beads when the inner frame is in closed position, forwardly facing longitudinally extending channels in forward facing portions of the said three rails of said outer frame and spaced rearwardly and laterally of said beads, rearward extensions on the rails of the inner frame, means intermediate said extensions for mounting a pane of glass in said inner frame, laterally disposed portions on the inner edges of said rearward extensions and entering and having a fit against the inner walls of said channels of the rails of the outer frame when the inner frame is in

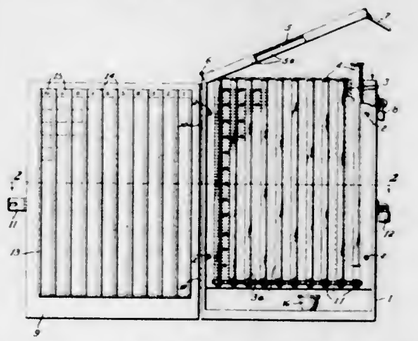
closed position, means hinging a rail of the inner frame to the fourth rail of the outer frame in such manner that said inner frame may be swung from said outer frame, and manually releasable means for securing said inner frame in closed position in said outer frame.

2,577,343
WEIGHTED FIGURE TOY
Thomas C. Martin, Natick, Mass.
Application February 5, 1948, Serial No. 6,371
3 Claims. (Cl. 46—130)



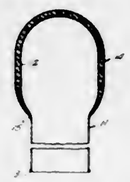
1. A toy of the type described formed as a hollow body with a thin shell having substantially the shape of a seal with the neck bent back and the mouth directed upward, a supporting bar extending upwards from the vicinity of the mouth, a light weight ball having a diametric slot therein, means within the ball for pivoting the same to the end of the bar for permitting oscillations of the ball about the point of pivot in the slot, the body of said seal having a base convexly arched in length and substantially level in width, the slot in said ball running parallel to the longitudinal direction of the body, a weight supported across the width at the lowest point of said arch within the body whereby said toy will oscillate either in water or on a flat surface.

2,577,344
NARCOTIC DISPENSER
Ramona D. Masure, Jacksonville, Fla.
Application January 10, 1950, Serial No. 137,874
5 Claims. (Cl. 312—47)



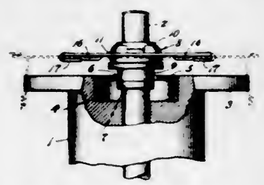
1. Dispensing safe for narcotic tablets comprising a cabinet containing storage and dispensing means for said tablets, said storage means including a vial support in the form of a panel having a planiform front face and having a plurality of vertical, spaced, parallel, side by side, cylindrical holes therethrough opening in the front face of said panel forming vertical parallel slots in said front face narrower than the diameter of said holes, the upper and lower ends of said holes terminating in parallel planes, individual dispensing plungers for said holes slidable across and against their lower ends, vials of uniform length closed at their upper and open at their lower ends fitting within said holes, supported by said panel with their lower ends at the plane of the lower ends of said holes, a top closure for said cabinet fitting substantially against the upper ends of said vials when closed, to hold them in place, and a lock for said closure.

2,577,345
MECHANICAL PROPHYLACTIC
Floyd L. McEwen, Corinth, Miss., assignor of two-thirds to Frank Barnes and Joe B. Mitchell, both of Corinth, Miss.
Application August 25, 1950, Serial No. 181,430
2 Claims. (Cl. 128—294)



1. A mechanical prophylactic comprising an elongated sheath fabricated of a rubber-containing material and having one end open, a cap fabricated of a rubber-containing material circumposed about said sheath and having its open end secured about said sheath at a point adjacent to and spaced from the open end of the latter, and cushioning means interposed between said sheath and cap and supported therebetween, said cushioning means comprising a filler fabricated of a uniform thickness of a sponge-like rubber-containing material.

2,577,346
FLIER CONSTRUCTION
Michael J. McHale, Scranton, Pa.
Application July 7, 1949, Serial No. 103,517
4 Claims. (Cl. 57—116)



1. A balanced unitary molded plastic flier block comprising a centrally apertured body member having base and head portions, and an off-set foot adapted for insertion into the head of a bobbin, and a peripheral flange on the body member having an enlarged portion in a direction opposite the foot, whereby to balance centrifugal forces generated by said foot when the block is rotated, a flier wire support between the base and head portions of the block, said support having free end portions, each of the free ends of said support having a recess therein adapted to receive an arm of a flier wire, means to attach

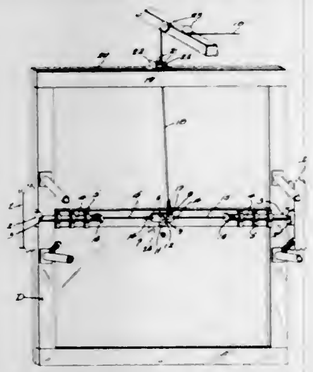
a flier wire to the support comprising an enlarged lug positioned centrally of the under side of the support, a flier wire having a central lug engaging portion and arms extending outwardly therefrom attached to the support, the arms of the wire being over-lapped in the vicinity of the lug and seated in the recesses at the ends of the flier wire support.

2,577,347
FLIER CONSTRUCTION
Michael J. McHale, Scranton, Pa.
Application September 14, 1949, Serial No. 115,641
10 Claims. (Cl. 57—116)



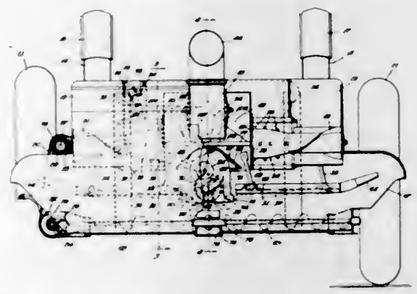
1. A flier block construction for spinning machines and the like, comprising a centrally apertured, generally flat body member having a thickened portion on the top surface thereof, said portion forming a continuation of the central aperture in the body member; one side of said body being tapered and the other side substantially rectilinear; flat bearing surfaces formed on the bottom of the flier at both ends thereof; and flier wire locking and supporting means comprising a pair of cooperating members, one of said members being formed integral with the upper surface of the tapered side of the flier body in the vicinity of the end thereof, the second said member being integral with the thickened portion of the body member.

2,577,348
DOOR LIFT
Kenneth P. McLaughlin, Wichita, Kans.
Application July 11, 1946, Serial No. 682,769
1 Claim. (Cl. 268—58)



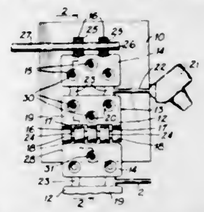
In a door construction of the type comprising a one piece door body and pivot means supporting the door body to swing on a horizontal axis from a vertical closed position to an overhead horizontal open position; a latch releasing and door shifting mechanism comprising a long horizontally disposed plate pivotally supported intermediate its ends on the inner side of the door body to turn on a horizontal axis perpendicular to the face of the the door, means for coupling each end of the plate with door latching means whereby oscillation of the plate actuates said means, a pull cable connected at one end to the plate between the pivot therefor and a coupling means by which pull on the cable will effect the oscillation of the plate and actuation of door latching means connected therewith, a pair of guides at the top of the door above said plate between which said cable extends, a guide pulley over the top of which said cable passes, said guide pulley being supported at an elevation above the horizontal position of the door and at such position inwardly from the door opening that the said guides move rearwardly beneath and past the pulley position in the movement of the door to the said horizontal open position carrying a part of the cable across the underside of the pulley, and guide pulleys for the cable supported at the elevation of the first pulley and rearwardly therefrom with respect to the said door opening.

2,577,349
CORN-SHELLING ATTACHMENT FOR TWO-ROW CORN PICKERS
Melville J. Mitchell, Highland Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 18, 1946, Serial No. 704,194
2 Claims. (Cl. 130—6)



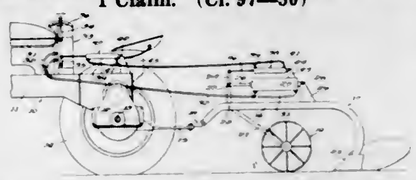
1. A corn sheller comprising a housing structure, a sheller cylinder structure mounted substantially across the entire housing structure, a pair of sheller rotors in axial alignment mounted in said sheller cylinder structure, a hopper at each side of said structure positioned to receive snapped ears at spaced locations, said sheller rotors having means for feeding snapped ears axially toward the center of the sheller cylinder structure, a sheller rotor concave surrounding the lower portion of each end of the sheller cylinder structure, shaker screens mounted in said housing and positioned beneath each of said concaves, a fan means provided in said housing with oppositely disposed discharge openings at the center portion of the sheller cylinder structure beneath said shaker means, means whereby shelled grain is delivered to an intermediate point of the sheller cylinder structure, conveyor means for elevating said shelled grain, a suction fan positioned intermediate said sheller rotors, said suction fan being adapted to remove husks and other lightweight foreign material directly from the sheller rotors, means to permit the cobs and other such material to drop downwardly onto the shaker screens, and said housing structure having openings at the outer ends of the shaker screens to discharge material other than grain and fine material delivered thereto, said fan means being effective to discharge the fine material other than the grain.

2,577,350
METHOD OF FORMING DIE CAST PRODUCTS
Louis H. Morin, Bronx, N. Y.
Original applications December 28, 1943, Serial Nos. 515,196, 515,197, and 515,198. Divided and this application June 23, 1945, Serial No. 601,154
12 Claims. (Cl. 18—55)



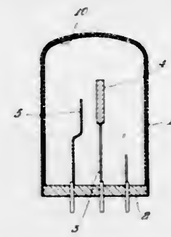
10. The method of forming buckles of the class described, which comprises die casting a buckle body and a hasp member as a single casting unit between relatively movable dies, forming one end of the hasp around a core pin to form a ring-like socket at said end of the hasp, forming a cylindrical bearing portion on the buckle body, then separating the dies and moving the casting to position the socket portion of the hasp in alinement with the cylindrical bearing forming portion of said dies, then removing the core pin and returning the same to the normal position thereof, then closing the dies, forming the next successive casting with the bearing portion of the second casting formed in the socket portion of the hasp of the first casting, joining the buckle body and hasp of each casting in a gate portion, then trimming the gate portions to form buckles each comprising a hasp of one casting and a buckle body of the next successive casting, and forming the socket portion of the hasp around a bushing insert supported on said core in producing on the resulting buckle a liner for said hasp.

2,577,351
REMOTE MOTOR CONTROL
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 20, 1946, Serial No. 663,711
1 Claim. (Cl. 97—50)



In an apparatus for use in conjunction with a tractor, an articulately connected implement including an adjustable part, and a tractor-mounted power control mechanism adapted to transmit power in directions determined by the direction of adjustment of a control member and to interrupt the transmission of such power at a time determined by adjustment of a shut-off member in correlation with the direction and amount of control member adjustment; a motor mountable on said implement and including a work member connectable with said implement part for moving the same therewith, said motor being selectively energizable by power from said power control mechanism to cause movement of said work member and said part in either of opposite directions according to the direction of adjustment of said control member, flexible means for transmitting such power from said mechanism to said motor, and a hydraulic ram couple having ram units connected by flexible hoses and respectively mountable on said tractor and said implement for connection between said work member and said shut-off member to adjust the latter in the direction for interrupting the transmission of energizing power to said motor when the work member and said implement part have moved a distance correlated with the adjustment of said control member.

2,577,352
DEVICE COMPRISING A GLOW DISCHARGE TUBE
Johannes Gijsbertus Wilhelm Mulder and Frans Michel Penning, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 22, 1948, Serial No. 66,634
In the Netherlands January 14, 1948
3 Claims. (Cl. 313—188)

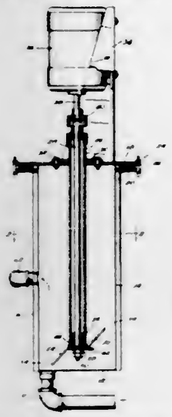


1. A circuit arrangement comprising a glow discharge tube having a layer of metal of visible thickness coating substantially the entire wall thereof and having electrodes including an anode and a cathode of metal, the said metal of said layer and of said cathode having a melting point in excess of 1400° C., an auxiliary electrode in said discharge tube in spaced relationship with said anode and said cathode, the said discharge tube having an operating characteristic between said cathode and said anode in the glow discharge region and between said auxiliary electrode and one of said electrodes in the Townsend discharge region, means to apply a potential between said auxiliary electrode and one of said electrodes, said potential having a magnitude producing an auxiliary current between said auxiliary electrode and said one electrode having a value effecting the said Townsend discharge in the said tube, and means to apply a potential between said anode and said cathode to effect a glow discharge in said tube said latter potential having a value sufficient to initiate the said glow discharge between the said anode and said cathode in the absence of the said auxiliary discharge.

2,577,353
PROCESS FOR PRODUCING FIBRIN FROM WHOLE BLOOD
Pagadam N. E. Naidu, Waukegan, Ill., and Laurence W. Murphy, Austin. Minn.; said Naidu assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois, and said Murphy assignor to Geo. A. Hormel & Company, Austin, Minn., a corporation of Delaware
Application July 7, 1948, Serial No. 37,454
6 Claims. (Cl. 260—112)

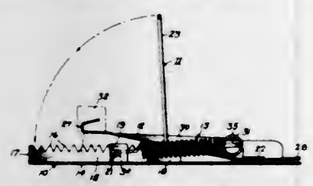
2. The process of producing granular fibrin of high purity which comprises allowing whole blood

to undergo an initial natural clotting action, disintegrating the resulting clots by cutting and slicing the clots while dispersed in the liquid medium of the blood and while subjecting the same to a beating action, releasing the fibrin from the resulting cut and sliced clots by sub-



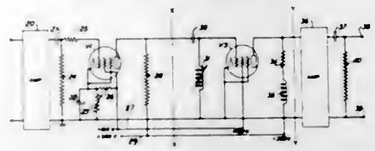
jecting the clots while dispersed in the liquid medium to attrition sufficient to rupture the clots and agglomerate the fibrin, separating the resulting granular fibrin from the unwanted plasma and blood cells, and washing the fibrin to remove any retained impurities.

2,577,354
TRAP
George W. Oakes, Crystal City, Mo.
Application May 11, 1949, Serial No. 92,705
1 Claim. (Cl. 43—82)



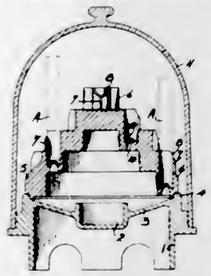
A trap comprising a base plate constructed of sheet material and having an upstanding flange serrated to provide a fixed jaw, said plate also having upstruck pairs of spaced lugs, there being a notch in each lug, an element made of stout wire which provides a loop jaw and a trigger engaging loop, said element engaged in the notches in one pair of lugs for moving said loop jaw and trigger engaging loop into an open position, and a closed position, a contractile spring having the opposite ends connected with the trigger loop and the other pair of said lugs causing closing movement of the loop jaw, said loop jaw in the closed position grippingly cooperating with the fixed jaw, a trigger constructed of sheet material and having hooks on one end to hold bait, an angular portion on the opposite end of the trigger constituting an actuator for rocking the trigger, lateral projections engaged at opposite sides of said base plate with said flange keeping the trigger from moving endwise with respect to the plate, and rear projections on the trigger to be engaged by said trigger loop upon opening movement of said trigger loop and by rocking the trigger with said actuator, thereby holding the loop jaw in the open position, subject to pressure exerted on the bait hooks of the trigger causing the release of the trigger loop from said rear projections and the movement of the loop jaw into the closed position.

2,577,355
PULSE FORMING AND SHAPING CIRCUITS
Bernard M. Oliver, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1944, Serial No. 567,406
3 Claims. (Cl. 250—27)



1. The combination of means for receiving a series of pulses spaced apart in time, means for utilizing said pulses to produce a corresponding series of pulses comprising a tuned circuit including a series-connected capacity member, a source of direct potential and an inductance member whereby, in the absence of a received pulse, the capacity member is charged to substantially the voltage of said source, means for causing each of said received pulses to change the potentials on both the terminals of the capacity member by substantially the same amount to cause the potential of the terminal of the inductance member remote from said source to become negative with respect to the other terminal thereof, allowing said capacity member to begin to discharge through said inductance member whereby a substantially cosinusoidal oscillation is started the period of which depends upon the constants of said capacity and said inductance member, unilaterally conducting damping means connected across said inductance member and so poled that current flows therethrough when the terminal of said inductance member remote from said source becomes positive with respect to the other terminal thereof whereby said damping means damps the oscillation after approximately one quarter of an oscillation cycle, and means for utilizing the potential changes across said damping means to produce said second series of pulses.

2,577,356
CIGARETTE HUMIDIFIER
Gustandy Otallah, Detroit, Mich.
Application October 21, 1950, Serial No. 191,453
5 Claims. (Cl. 312—31)



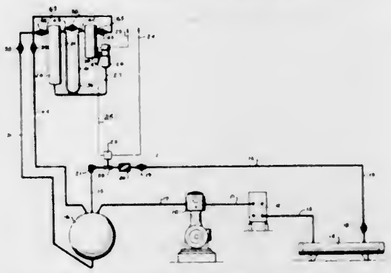
1. A humidifier including a base, a water pan supported therein, a support member mounted on the base and spaced above the water pan, a plurality of vertical, tubular cigarette holders integral with the supporting member, a centrally and vertically apertured cone in the lower extremity of each tubular holder, the lower peripheral portion of each cone merging with the bore of its holder to form an annular recess to catch tobacco falling from a cigarette supported in that holder, thereby to prevent the falling tobacco from dropping through the lower extremity of the holder into the water pan.

2,577,357
COMB FOR HAIR CLIPPERS
Battista Pasquesi, Highwood, Ill., assignor, by direct and mesne assignments, of one-half to Adelmo Giorgi, Highwood, Ill.
Application January 27, 1949, Serial No. 73,030
16 Claims. (Cl. 30—201)



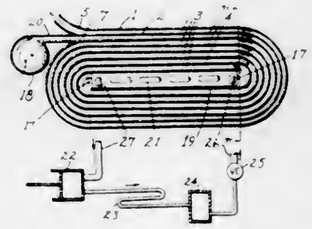
1. The combination with a clipper head having a toothed fixed guard; of a hair comb arranged in spaced relation to said guard; and means for detachably mounting said comb on said guard for effecting relative tilting movement therebetween and sliding movement of said comb with respect to said guard, said means comprising guide means on said guard; guide means on said comb; a structurally separate spring metal strip the end regions of which are slidably received by the respective guide means on said guard and said comb; an S-shape bend in said strip intermediate its guided end regions, said bend defining a yieldable connection between said comb and said clipper head for effecting the aforesaid relative tilting movement; and latch means cooperatively associated with said comb and said spring strip for maintaining said comb in a plurality of positions within the limits of its sliding movement.

2,577,358
LIQUID LEVEL CONTROL FOR VOLATILE LIQUIDS
Theodore J. Peukert, Los Angeles, Calif.
Application September 15, 1947, Serial No. 774,041
15 Claims. (Cl. 62—8)



1. Means for controlling the level of a volatile liquid in a chamber forming part of a circulatory system and including a pipe supplying fluid to said chamber and a valve controlling said pipe, a substantially U-shaped controlling system having one leg conduit connected by a gas filled conduit to the bottom of said chamber and its other leg conduit connected by a gas filled conduit to the top of said chamber, said last leg including a float, said legs having a liquid pressure transmitting medium in their joined lower parts, and means controlled by said float and including operating means for said valve.

2,577,359
APPARATUS FOR HEAT TRANSFER BETWEEN FLUIDS
Charles A. Phipps, Hartsdale, N. Y.; Frank Northern Magill, executor of said Charles A. Phipps, deceased, assignor to Carolyn Magill Phipps, Hartsdale, N. Y.
Application November 16, 1946, Serial No. 710,255
9 Claims. (Cl. 62—140)



6. Device for drying air comprising a pair of spaced metal strips wound in the form of a convolute about a substantially vertical axis providing an open air passage reversing on itself at the center, closure means on the two edges of the convolute, a heat transfer device having heat absorbing means positioned in said air passage near the center of said convolute connecting with heat releasing means positioned exteriorly of said convolute, a water discharge passage connecting with said air passage at a low point near the center of said convolute, and an air blower connecting with an outer end of said air passage for forcing air therethrough.

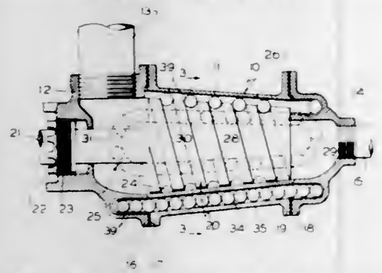
2,577,360
IMPLEMENT FOR USE IN TRIMMING CHRISTMAS TREES WITH TINSEL
Charles L. Poganski, St. Cloud, Minn.
Application March 31, 1950, Serial No. 153,172
2 Claims. (Cl. 294—5.5)



1. In an implement for laying tinsel strands on a branch of a Christmas tree, an elongated rod having a pair of longitudinally elongated, laterally spaced tines on one end, said tines being positioned in a plane disposed at an angle to said

rod whereby when the rod is reached upwardly at an angle the tines can be in a horizontal plane with tinsel strands laid crosswise across the tines, said tines being laterally spaced from each other to occupy positions along opposite sides of a Christmas tree branch with end portions of the strands depending from the outer sides of the tines, said tines being formed with longitudinally spaced upwardly opening depressions in which the tinsel strands are adapted to rest so as to be spaced from each other along the tines, said tines being arranged to be lowered by means of said rod with the tines at opposite sides of the branch so as to lay the portions of the tinsel strands between the tines onto the branch and further lowered to disengage the tines from the tinsel strands and leave the tinsel strands straddling the branch.

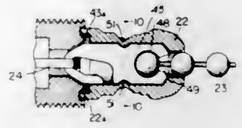
2,577,361
BALL PUMP
Stuart D. Pool and Raymond D. Titus, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application August 3, 1949, Serial No. 108,353
1 Claim. (Cl. 103—117)



A fluid pump comprising a housing including a central portion, an inlet end portion, and an outlet end portion, said inlet end portion having a fluid inlet, said outlet end portion having a fluid outlet, a driven rotor journaled within the central portion of said housing, said rotor having a spiral groove therein, said central housing portion having longitudinally extending passageways, said longitudinally extending passageways and said rotor spiral groove complementing each other wherever they intersect to form a full ball rolling chamber, and said housing having ball return passageways communicating with said longitudinally extending passageways and forming therewith endless ball paths, a plurality of balls in said combined passageways, whereby fluid entering the fluid inlet will be entrained in said rotor spiral groove between balls in said longitudinally extending passageways, and said rotor and central housing portion being similarly conical in shape with the larger diameters thereof at the inlet end portion whereby the entrained fluid is automatically compressed as it moves longitudinally of the pump from the inlet to the outlet.

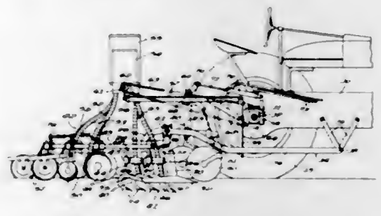
2,577,362
SWITCH PULL MECHANISM
Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind., a corporation of Indiana
Application November 2, 1946, Serial No. 707,413
2 Claims. (Cl. 74—501)

2. An electric switch pull chain unit adapted for universal-seated movement and having therein an actuating member with a looped connecting portion and a flexible chain of beads, the combination including a connector member for connecting said actuating member and said chain comprising a flat punching having at one end a body portion with a deep recess therein and an opening at the inside end of the recess to provide a hook-like configuration of that said body portion to permit the insertion of the actuating member in the opening in a hooking-assembly



operation, said flat punching having at the other end a body portion with an aperture therein for receiving and carrying therein a bead in the chain, and said flat punching having two oppositely disposed indented edge portions intermediate the two body portions, and said unit also including a tubular lever housing surrounding said connector member and having indented portions therein lockingly engaging the connector member within the housing at the indented edge portions thereof.

2,577,363
MULCH-TILLER-PLANTER
Russell R. Poynor, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 17, 1947, Serial No. 722,624
5 Claims. (Cl. 111—59)



1. The combination with a tractor of an agricultural implement comprising a tool support, means for raising and lowering the support with respect to the tractor, a tool standard carried by the support, a cultivator blade secured to the standard arranged to penetrate the soil at a relatively shallow depth, a fertilizer opener carried by the standard to penetrate the soil at a greater depth than the cultivator blade, means carried by the standard for depositing fertilizer in the furrow formed by said opener, a planter unit mounted rearwardly of said standard for vertical movement therewith including a longitudinally extending frame and connecting means between the forward end of the frame and the standard operative in the lowered position of the implement to accommodate lateral swinging of the planter unit relative to the standard, and said connecting means being operative in the raised position to restrain such lateral swinging of the planter unit.

2,577,364
RHODIUM PLATING
Frank Herbert Reid, Hounslow, England, assignor to The International Nickel Company Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 18, 1948, Serial No. 44,978. In Great Britain August 19, 1947
5 Claims. (Cl. 204—47)

1. In the process for electro-depositing thick plates of bright rhodium on metal using, aqueous, acid electrolyte containing at least one rhodium compound from the group consisting of rhodium phosphate and rhodium sulfate in an amount sufficient to provide said electrolyte with about 0.5 to about 5 grams per liter of rhodium, and free acid from the group consisting of phosphoric acid and sulfuric acid in an amount sufficient to prevent hydrolysis of the rhodium compound but not exceeding about 20 milliliters per liter of electrolyte; the improvement which comprises incorporating in said electrolyte about 0.07 to about 0.5 gram per liter of phenol whereby thick, light-colored and bright rhodium electro-deposits are obtained at thicknesses of at least about 10 millionths of an inch on metal surfaces by employing the aforesaid phenol-containing acid electrolyte.

2,577,365
RHODIUM PLATING
Frank Herbert Reid, Hounslow, England, assignor to The International Nickel Company Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 18, 1948, Serial No. 44,979. In Great Britain August 19, 1947
5 Claims. (Cl. 204—47)

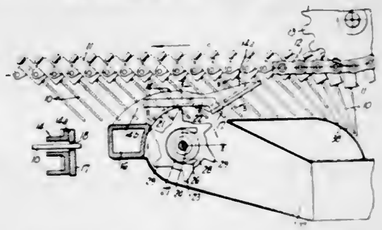
1. In the process for electro-depositing thick plates of bright rhodium onto metal using an acid electrolyte containing at least one rhodium compound from the group consisting of rhodium sulfate and rhodium phosphate in an amount sufficient to provide said electrolyte with about 0.5 to about 5 grams per liter of rhodium, free acid from the group consisting of sulfuric acid and phosphoric acid in an amount sufficient to prevent hydroysis of the rhodium compound but not exceeding about 20 milliliters per liter of electrolyte with the balance essentially water; the improvement which comprises incorporating in said electrolyte about 0.001 to about 0.02 gram of lead as an acid-soluble lead compound whereby thick, bright rhodium electro-deposits are obtained on metal surfaces by employing the aforesaid lead-containing acid electrolyte.

2,577,366
MACHINE FOR DISPLAYING RUGS
Ernest Reiss, Brookline, and Harry R. Gewertz, Cambridge, Mass., assignors to Development & Design, Inc., Boston, Mass., a corporation of Massachusetts
Application March 26, 1947, Serial No. 737,276
2 Claims. (Cl. 40—36)



1. A machine for displaying rugs comprising in combination a frame, a pair of rug supporting platforms, one of which is arranged at one end of said frame and the other of which is arranged at the opposite end and on the same level as the first, mechanism for successively moving rugs from a pile of rugs in flat condition on one of said platforms and laying them out in a pile in flat condition on the other of said platforms, said mechanism including a pair of horizontal ways on said frame extending on one level between said platforms, a rotatable rug winding shuttle traversable reciprocally on one level back and forth on said ways between said platforms, power means operating to traverse said shuttle along said ways and at the same time to rotate it in one direction and then at a predetermined point automatically to reverse its direction of traverse and rotation and means to connect the edge of a rug on one platform to said shuttle, whereby said rug is wound onto said shuttle as the latter moves from a first position toward the other platform and then unwound on its said other platform as the shuttle starts back toward its said first position.

2,577,367
COTTON-PICKING MACHINE DOFFER
Mack D. Rust, Coalinga, Calif.
Application July 16, 1949, Serial No. 105,085
3 Claims. (Cl. 56—42)

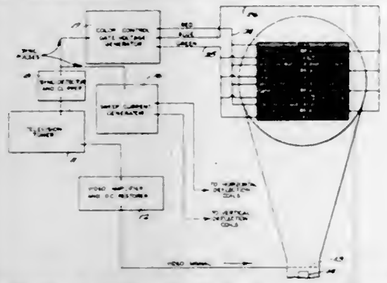


1. In a cotton picking machine of the type having vertically spaced rows of rotatable cotton picking spindles movable successively through cotton picking and stripping zones, a plurality of vertically spaced stripping bars mounted upon support fingers in the stripping zone and inclined to the path of movement of the spindles, said stripping bars being so disposed that their egress ends are spaced from the path of travel of the free ends of said spindles a substantial distance in the direction of the other ends of said spindles whereby the free ends of said spindles clear the egress ends of the bars with a free end portion of each spindle projecting beyond the stripping faces of the bars to thereby provide a cotton retaining spindle portion, and a rotary stripping and doffing means disposed adjacent the egress ends of the stripping bars and serving to strip cotton from said cotton retaining portions of the spindles, said stripping and doffing means having elements movable along paths extending between said rows of spindles.

2,577,368
COLOR TELEVISION RECEIVING APPARATUS
Mortimer L. Schultz, Plainfield, N. J., and Louis G. Pacent, Little Neck, and Ralph R. Batcher, Douglaston, N. Y., assignors to Charles Doerr, Newark, N. J., as trustee
Application February 14, 1950, Serial No. 144,168
5 Claims. (Cl. 178—5.4)

1. A cathode-ray tube having a viewing screen coated with stacked laminations of light-emitting material forming a plurality of red, blue, and green zones, systematically arranged across said viewing screen in a repeating pattern, said pattern comprising six zones, two of each color, arranged in back-to-back reverse order as, for example, red, blue, green, green, blue, red, an elec-

trical conductor coextensive in length with said zones interposed between each pair of adjoined like colors, connecting means connecting together electrically one-half of said conductors, said half including every second conductor across the viewing screen, second connecting means connecting together electrically the other half of said conductors, each of said connecting means



including a terminal external to the tube envelope permitting application of electrical charges to either set of conductors, whereby an electron beam can be guided in succession to zones of the three colors in turn by application of one periodic voltage to one set of conductors and a second periodic voltage to the other set of conductors.

2,577,369

CERAMIC INSULATOR FOR SPARK PLUGS

Harry G. Schurecht, Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware

No Drawing. Application July 19, 1947, Serial No. 762,203

6 Claims. (Cl. 106—46)

1. An electrical insulator showing by chemical analysis from about 50% to about 80% of BeO, from about ½% to about 20% of an alkaline earth oxide of the group consisting of CaO, SrO and BaO, from a trace to not more than about 25% of aluminum oxide and a remainder consisting essentially of at least a trace but not more than 20% of at least one refractory oxide of a metal selected from the group consisting of zirconium, tin, cerium, thorium, boron and yttrium, but not over 10% of an oxide of either of the two last-named metals.

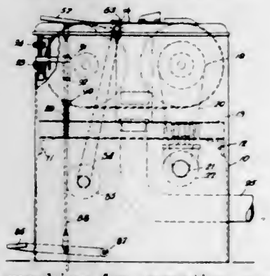
2,577,370

MACHINE FOR OPERATING UPON SOLES

Edward F. Small, Newton, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware

Application July 13, 1950, Serial No. 173,517

53 Claims. (Cl. 69—1)



1. In a machine for operating upon soles, a flexible endless cutting blade, spaced drums on which said blade is arranged to run, means for driving one of said drums to operate said blade, a sole support, said sole support being held at an angle with respect to the path of said blade, a sole edge guide, and means for holding a sole in contact with said support, for urging it into contact with said edge guide, and for progressively feeding its marginal edge past said blade.

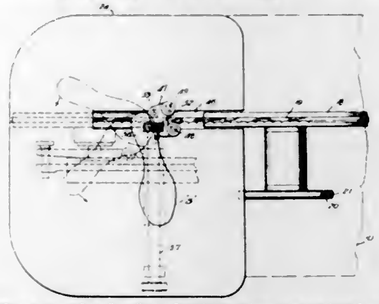
2,577,371

METHOD OF PREPARING OUTSOLES

Edward F. Small, Newton, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware

Application May 20, 1950, Serial No. 163,280

8 Claims. (Cl. 12—146)



1. That method of reducing the marginal edge of the attaching face of an outsole which comprises presenting the face of a sole to the cutting action of a narrow cutting blade running in a path forming an oblique line to the outer edge of the sole, maintaining the face of the sole at an angle with respect to the path of said blade, and progressively feeding the sole past said blade to remove material from the sole.

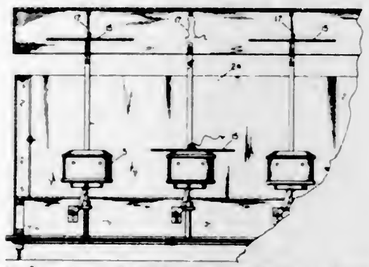
2,577,372

TOBACCO CURER WITH EXTINGUISHING MEANS

Forrest Hildred Smith, Kinston, N. C.

Application August 15, 1947, Serial No. 768,764

2 Claims. (Cl. 126—93)



1. A heating device comprising a burner, a hood enclosing the burner and means for extinguishing the flame of the burner upon development of heat in excess of a predetermined value, said means comprising a metal plate suspended above the burner, a heat released member holding said plate in position above said burner, said member extending across the hood at a distance from the burner sufficient for the member not to be released by the heat of the burner when operating at the desired intensity but near enough to be released by the heat of the burner when the intensity of the heat rises significantly above such predetermined value.

2,577,373

GARDEN TRELLIS

Norvin E. Smith, Altadena, Calif.

Application January 8, 1945, Serial No. 571,848

2 Claims. (Cl. 47—47)



1. An adjustable-height collapsible garden trellis for supporting plants which increase substantially in height and in weight of foliage and fruit as they mature, said garden trellis including a single length of common iron wire shaped as a double conical unit with a lowermost turn disposed in a plane to form a foundation member, with progressively decreasing-diameter spaced turns spiraling inwardly and upwardly from said foundation member to a smallest turn and with progressively increasing-diameter spaced turns spiraling outwardly and upwardly from said smallest turn to end in an uppermost turn of approximately the same diameter as said lowermost turn, all of said turns except said lowermost being supported exclusively by the turns therebeneath and each of said turns between the lowermost and uppermost being subjected to torsional forces due to the weight of the turns thereabove, said double conical unit being disposable around a growing plant with said foundation member resting on the ground in an annular zone around the plant so that the plant can grow upwardly within said double conical unit and spread outwardly between said spaced turns, the weight of the foliage and fruit not otherwise supported by said plant being borne exclusively by said turns and being transferred through said turns to said foundation member, said iron wire having a relatively low yield point to permit periodic increase in height of said trellis during plant growth by standing on said foundation member and pulling upwardly on said uppermost turn to stress the iron beyond its then yield point and deform it permanently to hold said uppermost turn at an increased height position, said double conical unit being collapsible into a double spiral unit for between-season storage by forcing said uppermost turn into contact with said lowermost turn, such forcing stressing the iron beyond its yield point so that said unit remains in its collapsed state by the permanent deformation of said iron wire resulting from such collapsing.

2,577,374

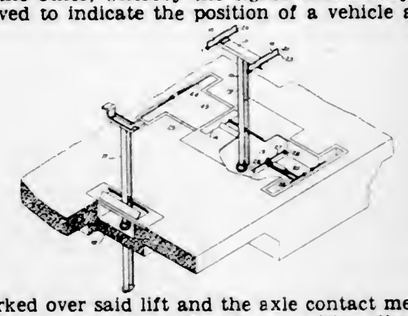
AXLE CONTACT MEANS FOR VEHICLE HOISTS

Theodore O. Snider, Cleveland, Ohio, assignor, by mesne assignments, to Harold C. Schott, Cleveland, Ohio

Application December 7, 1948, Serial No. 64,017

5 Claims. (Cl. 254—89)

5. In a vehicle lift, longitudinally shiftable vehicle axle contact means, power means drivingly connected to said axle contact means for imparting lifting movement thereto, signal means outside of the area of said vehicle lift, said signal means being constructed to indicate the position of a vehicle axle with respect to said lift, and means operably interconnecting said axle contact means and said signal means for moving each a corresponding amount with respect to the other, whereby the signal means may be moved to indicate the position of a vehicle axle



parked over said lift and the axle contact means will be accurately shifted to a position directly under the axle.

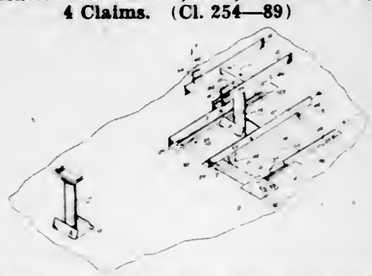
2,577,375

AXLE CONTACTOR FOR VEHICLE HOISTS

Theodore O. Snider, Cleveland, Ohio, assignor, by mesne assignments, to Harold C. Schott, Cleveland, Ohio

Application December 7, 1948, Serial No. 64,016

4 Claims. (Cl. 254—89)



1. A vehicle lift structure comprising, a lift pit, a vehicle lift having a superstructure, said superstructure having longitudinally shiftable axle contact means mounted thereon, drive means mounted in said pit, said drive means including interconnection means adapted to engage said axle contact means upon contact therewith and release said axle contact means upon vertical lifting of the axle contact members away from the interconnection means, a shift control station located a distance from said pit, and control transmission means linking said shift control station to said drive means in said pit.

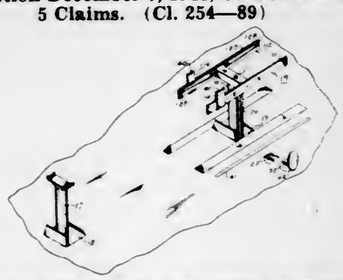
2,577,376

AXLE ENGAGING MEANS FOR VEHICLE HOISTS

James J. Pelouch, Cleveland, Ohio, assignor, by mesne assignments, to Harold C. Schott, Cleveland, Ohio

Application December 7, 1948, Serial No. 64,001

5 Claims. (Cl. 254—89)



3. A vehicle lift having a superstructure including longitudinally shiftable axle contact members,

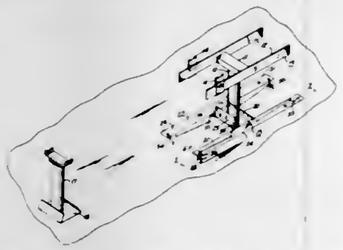
drive means to shift said axle contact members with respect to said superstructure, a vertically stationary shift control station located a distance from said lift, said shift control station having means to indicate the position of a vehicle axle parked over said lift, a power receiving station carried by said lift, said power receiving station being in local control on said lift of the movement of said drive means, and control transmission means linking said shift control station to said power receiving station at all elevational positions of said lift, said shiftable axle contact members thereby being shiftable to a predetermined position on said superstructure without observation.

2,577,377

ACTUATOR FOR HOIST PIT CLOSURES

Theodore O. Snider, Cleveland, Ohio, assignor, by mesne assignments, to Harold C. Schott, Cleveland, Ohio

Application December 7, 1948, Serial No. 64,015
3 Claims. (Cl. 254—89)



1. In a vehicle lift having a lift post with a superstructure thereon, said post and superstructure being adapted to lower into a pit below a floor surface, the provision of closure doors adapted to automatically open and permit the superstructure to pass thereby and automatically reclose thereafter comprising, first door means closing a portion of said pit over the area of said post, second door means closing the remainder of the pit, first lever means operated by said first door means, second lever means adapted to pivot and operate said second door means, linkage means to link said first and second lever means, said linkage means having a predetermined degree of slack, and cam means on said lift to operate said first door means and first lever means, said slack in the the linkage to the second lever means adapting said second door means to remain closed until the said cam means operates said first door means to a predetermined position.

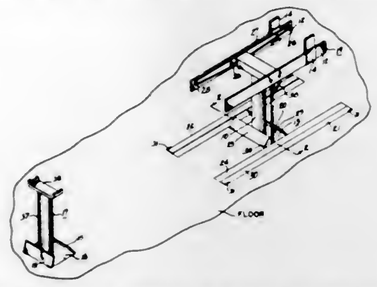
2,577,378

HOUSING FOR VEHICLE HOISTS

Paul I. Schultz and James J. Pelouch, Cleveland, Ohio, assignors, by mesne assignments, to Harold C. Schott, Cleveland, Ohio

Application April 21, 1949, Serial No. 88,784
5 Claims. (Cl. 254—89)

1. In a vehicle lift having a superstructure adapted to lower into a pit below a floor surface, said pit having an opening with a first side and a second side, the provision of closure doors for said opening of the pit comprising, a floor plate having a width dimension to cover less than the full opening of said pit, said floor plate mounted for lateral shifting movement between a first position with the floor plate against said first side of said pit and second position with said floor plate away from the said first side of said pit, movement of said floor plate between said first and second positions being generally laterally across the pit opening near floor level, a bridge door swingably mounted substantially at floor level to the second side of said pit opening, said bridge door having a width dimension to



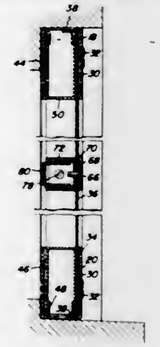
extend from said second side to an overlapping position on top of the floor plate during all positions of said floor plate, said bridge door resting on said floor plate at all positions, means urging said floor plate and carriage to said first position, and actuating means operable by vertical movement of said lift to force said floor plate to said second position.

2,577,379

SCREEN FRAME

Estes O. Spears and Raymond G. Clawitter, Little Rock, Ark., assignors of one-third to Osborne W. Garvin, Little Rock, Ark.

Application March 15, 1949, Serial No. 81,423
1 Claim. (Cl. 160—379)



In combination with a screen, a frame for removably supporting the screen comprising an outer substantially rectangular channel frame member, an inner discerptible substantially rectangular channel frame member slidably and lockingly retained within said outer frame member, said screen extending between said inner and outer frame members, and means supporting and preventing bending movement of the central portion of said screen, said means including a transversely extending bar on one side of said screen, a transversely extending trough on the opposite side of said screen, said trough including side and end walls connected to a bottom wall, screw fastening means extending through said bar, said screen, and the bottom wall of said trough, and headed screws retaining the end walls of said trough on said inner frame member, said inner frame member including separable side, top and

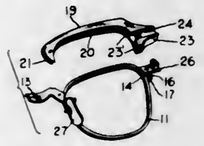
bottom pieces and interengaging means lockingly joining the pieces thereof, and a closure means for said trough, said closure means including a channel member including a web portion and legs slidably and frictionally received in said trough.

2,577,380

SPECTACLE FRAME WITH NONMETALLIC PARTS ON RIMS

Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application December 7, 1949, Serial No. 131,625
3 Claims. (Cl. 88—41)



1. In a spectacle frame, the combination of a pair of spaced metallic lens rims adapted to surround lenses, a metallic bridge connecting the lens rims, said lens rims being split at their temporal sides and having upper and lower barrel connectors secured to the respectively adjacent ends of the rims, a pair of non-metallic rim parts extending along the upper and temporal portions of the respective lens rims and terminating at the bridge, said rim parts having internal grooves within which the lens rims are seated and having at the temporal ends of the grooves enlarged recesses within which the barrel connectors are positioned, the nasal ends of the rim parts having slots within which the sides of the bridge are respectively secured, said rim parts having integral temporal extensions provided on their rear faces with recesses which intersect the grooves, hinge plates secured within the respective last named recesses, said hinge plates being secured to the upper barrel connectors on the lens rims, and the barrel connectors being concealed within the enlarged recesses of the grooves whereby said rim parts are secured to the lens rims.

2,577,381

PRODUCTION OF SHAPED ARTICLES

Ernst Stirnemann, Basel, Switzerland

No Drawing. Application July 25, 1949, Serial No. 106,747. In Switzerland August 9, 1948
5 Claims. (Cl. 260—2.5)

3. A process for the production of a cellular body of low specific gravity which comprises thoroughly mixing polyvinyl chloride, an expansion agent and a mono-isocyanate of the formula R-N:C:O, wherein R is a radical selected from the group consisting of alkyl and aryl radicals, heating this mixture in a closed mould until the expansion agent decomposes while preventing expansion, allowing the resulting mass to cool and subsequently expand and thereafter allowing the resulting cellular body to age.

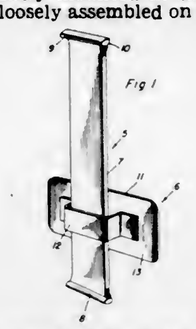
2,577,382

COMBINATION ANVIL AND SHIELD

James W. Straight, Ely, Nev.

Application November 5, 1948, Serial No. 58,418
1 Claim. (Cl. 81—15)

An automobile mechanic's gutter reshaping and repairing tool of the class described comprising, in combination, a flexible backing plate provided on one side with a loop-like clip, a shank removably and slidably mounted in said clip whereby said plate is loosely assembled on said shank, said



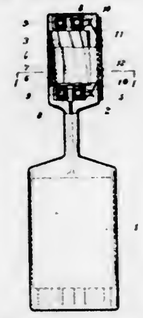
shank being provided at at least one end with an anvil-like forming head.

2,577,383

SHAVING DEVICE

Hans Thirring, Vienna, Austria

Application May 5, 1948, Serial No. 25,225
In Austria May 12, 1947
2 Claims. (Cl. 30—43)



1. A shaving device comprising: a casing, and a power-driven substantially cylindrical cutter rotatably arranged in said casing, said cutter being provided at its circumference with multiple-thread helical cutting means having a steep pitch, a portion of the wall of said casing being provided with a series of slots being substantially parallel to each other and being arranged in an area substantially in the shape of a longitudinal strip, said slots constituting portions of a multiple thread having a pitch little less than the pitch of said cutting means, each of said slots being in the shape of a wedge tapering from a comparatively broad portion at one of its ends towards a comparatively thin portion at its other end, the broad portions of alternate slots being arranged at one side of said strip, and the thin portions of the remaining alternate slots being arranged at the same side of said strip between said foremention broad portions.

2,577,384

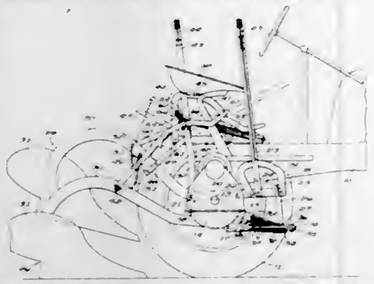
TRACTOR-MOUNTED TWO-WAY PLOW

Wayne G. Toland, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application May 11, 1946, Serial No. 669,148
3 Claims. (Cl. 97—29)

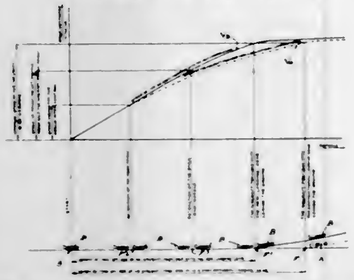
1. An agricultural implement comprising a supporting frame, a tool-carrying beam connected to the frame for generally vertical move-

ment and adapted to be lifted to transport position and dropped by gravity to operating position, a lever mounted on the frame, connecting means between the lever and the tool beam, said lever being movable from one position to another to raise the beam, latch means operable independently of the lever for locking the beam in



raised position and releasable to permit the beam to fall by gravity to operating position, and releasable stop means associated with the lever automatically operable after an initial downward movement of the beam past the latching position and arranged to maintain said beam in raised position upon release of the latch.

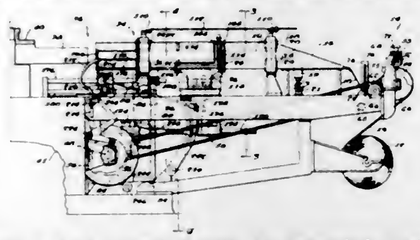
2,577,385
METHOD AND MEANS FOR THE TAKE-OFF OF AIRCRAFT
Jean A. Troendlé, Geneva, Switzerland
Application September 19, 1947, Serial No. 774,929
4 Claims. (Cl. 244—102)



1. For the take-off of an airplane, the method comprising applying a horizontal propulsive thrust to the airplane to cause the airplane to move forward, applying to the ground engaging portions of the airplane at the beginning of the ground run vertical supporting forces distributed fore and aft of the center of gravity of the airplane, and modifying the distribution of said supporting forces during the ground run so that, after a given interval, the resultant of the said supporting forces is forward of the center of gravity of the airplane, whereby the moments due to the aerodynamic, thrust, inertia, and ground reaction forces on the airplane will be maintained in substantial equilibrium during the ground run.

2,577,386
BAG FORMING MACHINE
John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application August 14, 1946, Serial No. 690,368
9 Claims. (Cl. 93—18)

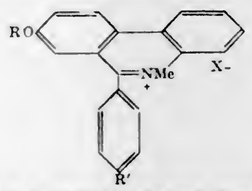
4. In a bag forming machine, in combination, bag forming means comprising means for folding a web of bag forming material longitudinally to form a U-shaped strip, means for sealing the strip transversely at spaced intervals and along the open marginal edges of said strip to form a series of connected bag sections, said sealing means being constructed and arranged to incompletely seal the strip transversely to provide an unsealed portion forming a vent therein, means for intermittently advancing the strip a distance of one bag length each cycle of operation, a cutter for severing successive endmost bag sections to form individual flat bags each having an open mouth



portion and provided with an unsealed portion forming a vent opening in the opposite end thereof, bag opening means cooperating with said bag forming means and arranged to engage opposed side walls of the flat bag to spread them apart, and means comprising an air pipe disposed longitudinally of and within the U-shaped strip and having its end terminating adjacent said cutter for directing a stream of air through said vent and between the side walls of the endmost bag to facilitate separation thereof during the opening operation, said air pipe being of a sufficient size to provide a bulge in the side walls of the bag.

2,577,387
QUATERNARY PHENANTHRIDINIUM COMPOUNDS
Leslie Percy Walls and Frederick Charles Copp, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York
No Drawing. Application November 26, 1948, Serial No. 62,248. In Great Britain February 4, 1948
4 Claims. (Cl. 260—286)

1. Quaternary phenanthridinium salts of the formula



wherein R is a radical selected from the class consisting of methyl, ethyl and normal propyl radicals, R′ is a radical selected from the class consisting of the amino and nitro radicals and X is an anion.

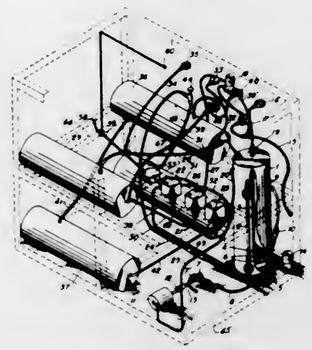
2,577,388
MANUFACTURE OF TETRACHLOROETHYLENE
Glenn W. Warren, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 22, 1945, Serial No. 574,035
6 Claims. (Cl. 260—654)

1. In a method for the production of tetrachloroethylene, the steps which consist in forming a mixture of an aliphatic compound having the general formula:

$$C_nHX_{n'}Y_{n''}$$

wherein X and Y each represent a member of the group consisting of hydrogen and chlorine, n is an integer of from 2 to 3, and n' and n'' are integers having a sum corresponding to one of the values $2n-1$ and $2n+1$, carbon tetrachloride in amount corresponding to at least 0.4 of the molecular equivalent of the aliphatic compound having said general formula, and sufficient chlorine to perchlorinate the aliphatic compound having said general formula and convert it to a tetrachloroethylene, passing the mixture through a reaction zone where it is heated in vapor phase to a reaction temperature between 500° and 800° C., cooling the vapors flowing from said zone to condense the organic products, separating tetrachloroethylene and carbon tetrachloride from the condensate, and returning carbon tetrachloride to the first of the foregoing steps.

2,577,389
GAS GENERATING APPARATUS
Lorron L. Warriner, Miami, Fla., assignor, by mesne assignments, to Vapo-Gas Consolidated, Inc., a corporation of Florida
Application July 14, 1947, Serial No. 760,736
4 Claims. (Cl. 261—26)

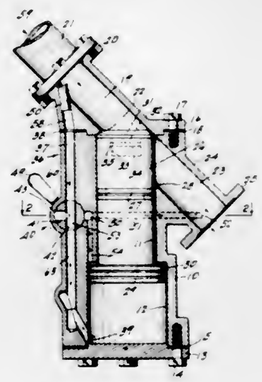


1. Apparatus for forming a gaseous mixture of air and hydrocarbon liquid comprising a generating tank for receiving such liquid and air under pressure including a source of supply, means to supply such liquid under pressure to said tank, means to supply air under pressure to said tank to form with the liquid the gaseous mixture, a pressure-control tank communicating with the generating tank for receiving gas therefrom, means operative by rise of gas pressure in said pressure control tank to a predetermined degree for stopping the supply of liquid to the generating tank to limit the supply thereto, means operative to stop the supply of air to said generating tank when the gas pressure in said pressure-control tank rises above the predetermined pressure for stopping the supply of liquid to said generating tank, and means for discharging the liquid from said generating tank back to said source of supply concurrently with stopping of the supply of air thereto.

2,577,390
POLYMERIZATION TERMINATION AGENT
William Harold Watson, Sarnia, Ontario, Canada, assignor to Polymer Corporation, Limited, Sarnia, Ontario, Canada, a corporation
No Drawing. Application April 30, 1948, Serial No. 24,440. In Canada April 28, 1948
5 Claims. (Cl. 260—17.5)

1. In the emulsion polymerization of compositions selected from the group consisting of butadiene and admixtures of butadiene with a copolymerizable compound the step which comprises adding lignin to the reaction mixture during polymerization of the same to terminate the polymerization reaction.

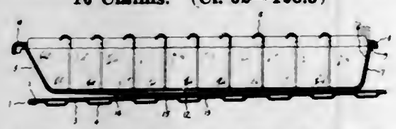
2,577,391
VALVE
John C. Williams, Oakland, Calif.
Application August 23, 1945, Serial No. 612,176
5 Claims. (Cl. 137—139)



1. A valve comprising; a valve body and a valve head, and means for securing and sealing said valve head to one end of the valve body, and a cover and securing and sealing means therefor for the other end of said body; a stepped bore formed through said valve body with the minor diameter bore opening through said one end, a conical valve seat formed in said head, in axial registry with said stepped bore, and a first bore formed through said head at an angle of 45 degrees to the axis of said valve seat, a second bore formed through one side of said body in axial alignment with said first bore, the diagonal bore in said head having its periphery terminating coincident with the bottom periphery of the valve seat at two opposite points, and the diagonal bore in the body having one peripheral edge coincident with the intersection of the minor diameter bore with the one end of the body and coincident with one edge of the valve seat; a stepped piston slidable in said stepped bore and having a valve formed on its terminal end for seating in said valve seat; a high pressure bypass extending from said first bore in said valve head to the head end of the major bore of said stepped bore in said body; a low pressure bypass extending from said high pressure bypass to said second bore, and a manually controlled three way valve located at the intersection of said high pressure and low pressure bypasses, and a

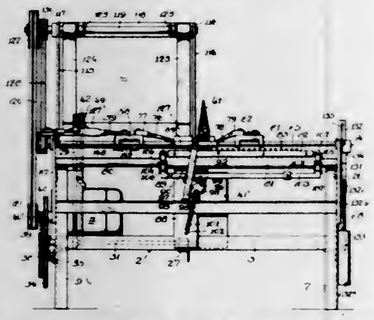
breather passage communicating between said low pressure bypass and the bottom of the major bore, whereby high pressure fluid in said first bore acts directly on said valve to urge the valve to open, and simultaneously on the enlarged end of the piston through said high pressure bypass to the head end of said major diameter bore to maintain the valve closed against the urgence of the high pressure fluid on said valve when said three way valve is in one position, and fluid drains from said major diameter bore to said second bore with the high pressure fluid acting on said valve to force said valve to open when the three way valve is in another position, and said breather passage being in constant communication between said second bore and the bottom of the major diameter bore, permits unrestricted movement of said piston for opening and closing said valve.

2,577,392
FREEZING TRAY
James Williamson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 21, 1949, Serial No. 88,719
10 Claims. (Cl. 62—108.5)



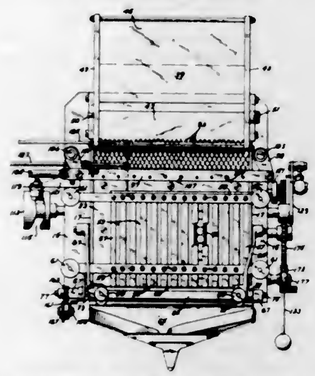
1. A freezing tray comprising an inner pan-shaped element, an outer thin flexible element covering the exterior of the bottom of said pan-shaped element and disposed immediately adjacent thereto along the entire exterior surface of said bottom, said flexible element being sealed along its edge to said pan-shaped element to exclude moisture from the region between said elements.

2,577,393
AUTOMATIC MULTIPLE KNIFE SHARPENING MACHINE
George Michael Yulich, Kansas City, Kans., assignor to Wilson & Co., Inc., a corporation of Delaware
Application February 20, 1950, Serial No. 145,119
33 Claims. (Cl. 51—33)



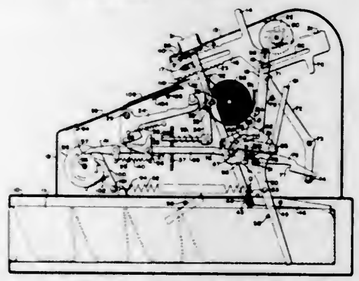
1. An automatic multiple knife sharpening machine comprising a carrier upon which a plurality of knives to be sharpened may be clamped, means for rotating said carrier with the knives carried thereby, a swinging frame, a grinding wheel rotatably mounted on said swinging frame, means to move said grinding wheel toward the carrier to contact a knife mounted thereon, and an index mechanism automatically moving knives mounted on said carrier laterally to bring said knives successively into position to be contacted by said grinding wheel.

2,577,394
DISPENSING MACHINE
Carl Zunino, Oakland, Calif.
Application June 11, 1946, Serial No. 675,925
5 Claims. (Cl. 222—10)



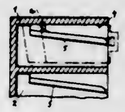
2. In a machine for dispensing items such as pills, capsules or the like, wherein such items are fed into a plurality of row-forming channels having open ends to permit continuous movement of items therethrough; means in the path of movement of such items for simultaneously receiving a like number thereof from each row, said means including a dump bar of substantially semi-cylindrical cross-section and having a substantially flat surface adjacent the exit ends of said channels upon which such items move as they emerge from said channels; and means for selectively tilting said dump bar one or more times per operation of such machine.

2,577,395
AUTOGRAPHIC REGISTER
Louis E. Zurbuchen, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application March 10, 1948, Serial No. 13,985
3 Claims. (Cl. 235—2)



2. In a machine of the class described, a slide, type characters formed on the slide, a totalizer actuator formed on the slide, a finger piece formed on the slide by means of which the slide can be set from a normal position into any one of a plurality of settable positions, in combination with a totalizer element mounted on a fixed support, a slot in the slide, a link having a projection thereon projecting into the slide whereby the slide can be shifted to move the totalizer actuator into engagement with the totalizer element, a spring tensioned operating member, a latch to normally maintain the spring tensioned operating member in home position; a cam formed in the operating member coacting with the link to shift the link after the slide has been set into one of said plurality of settable positions to shift the slide and engage the totalizer actuator with the totalizer element, a projection on the slide, a floating member, a pawl connected to the operating member for actuation thereby, said pawl movable into engagement with the floating member during an operation of the operating member to rock the floating member whereby the floating member engages the projection on the slide and restores the slide to normal position to enter an amount commensurate with the set position of the slide into the totalizer element, and a manipulative device to operate the latch to release the spring tensioned operating member for operation.

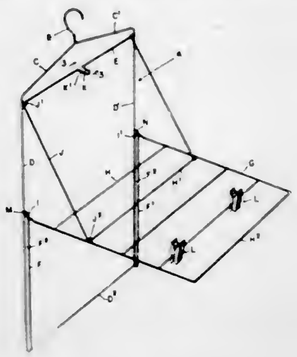
2,577,396
GROCERY CUPBOARD
Axel Teodor Assmundsson, Goteborg, Sweden
Application March 29, 1946, Serial No. 658,105
In Sweden April 5, 1945
5 Claims. (Cl. 312—270)



5. A closet including the combination of a closed compartment having an open front and a plane under surface of the top, a plurality of upwardly open movable receptacles, each having a front wall, a rear wall and two side walls, and cooperative rail and flange means respectively secured to the top of said compartment and the sides of each of said receptacles for supporting said receptacles in said compartment in spaced relationship from its bottom, said rail and flange means being inclined at relatively the same angle downwards and towards the front walls of said receptacles so that each receptacle may be moved along a forwardly downwardly inclined path in positions parallel to itself, the upturned edge surfaces of all the walls of each receptacle being in flush with each other and forming an unbroken surface surrounding the upturned opening of the receptacle, said unbroken edge surface at the insertion of the receptacle coming to a substantially airtight pressure contact against the plane under surface of the corresponding portion of the top at the innermost position of the receptacle, the under surface of the top being the sole stopper for the inward movement of all the receptacles.

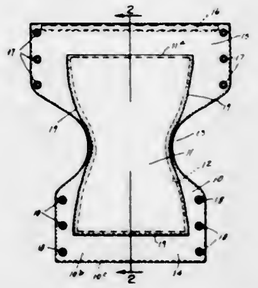
2,577,397
PORTABLE GARMENT HANGER
Edna E. Bailey, Mount Morris, Mich.
Application May 24, 1948, Serial No. 28,794
4 Claims. (Cl. 211—106)

1. A portable foldable multiple garment hanger comprising a pair of substantially rectangular registerable wire frames each having spaced sides, the one having upper and lower end portions with a suspension hook at its upper end and the other provided with a series of spaced cross bars connecting its sides, the latter frame having means on the lower ends of its opposite sides connected to slot means including stops on the respective sides of the first-mentioned frame to limit angular and longitudinal slidable movement relative thereto, and links at the opposite sides of said frames pivotally connected at their upper ends to the upper end portion of the first frame and at



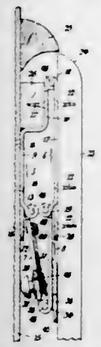
their lower ends to an intermediate cross bar of the second frame, whereby an outward pull on said second frame will swing it together with said links outward and simultaneously move its lower end upward to the limit of its movement on the first frame so as to extend transversely in relation thereto.

2,577,398
DIAPER
Virginia Blake, Miami, Fla.
Application October 1, 1949, Serial No. 119,167
1 Claim. (Cl. 128—287)



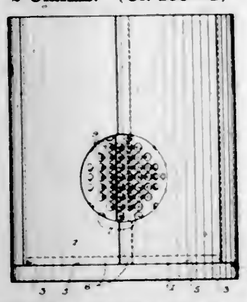
In a multiple piece diaper structure, a body portion, a pocket for a blocking sheet open at one end and secured along both sides and its other end to said portion, both sides of said pocket having re-entrant portions formed therein centrally of the ends thereof whereby said pocket is substantially of hourglass configuration, and a blocking sheet of water repellent material for said pocket, said blocking sheet having an area substantially that of but slightly less than the area of said pocket, the sides of said blocking sheet having re-entrant portions formed therein centrally of the ends of said sheet and corresponding with the re-entrant portions of said pocket whereby said blocking sheet may be removably positioned in interfitting engagement within said pocket.

2,577,399
COLLAPSIBLE BRACKET OR SUPPORT
Alfred B. Bell, Philadelphia, Pa.
Application December 24, 1948, Serial No. 67,177
6 Claims. (Cl. 248—240)



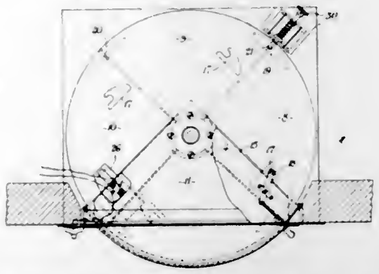
1. A self-aligning collapsible bracket comprising inter-connected knuckle-jointed consecutive components, an adjoining pair of which respectively serve as the attaching element and as the support for a fold-down shelf or seat, and the other pair of said components jointly constituting the brace therefor; a retractable spring biased sliding catch carried by one of the last mentioned components and operative to engage an outset projection from the other of said components to rigidly interlock them when in aligned extension; and means effective to cover the knuckle joint articulating the first mentioned adjoining pair of the bracket components.

2,577,400
REFRACTORY LINING FOR DOMESTIC FURNACES
William N. Butterworth, Shaker Heights, Ohio, assignor to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1948, Serial No. 24,834
2 Claims. (Cl. 158—1)



1. In a furnace, the combination of a substantially cylindrical assembly of segmental tiles having a burner-opening in one side of said assembly adapted to admit a stream of fuel in fluid form directed against a restricted portion of the area of the opposite side wall of said assembly, said tiles through at least a major portion of said assembly being provided with radially inwardly directed tapering lugs that tend to incandesce in and by virtue of the heat of the flame of burning fuel, said lugs being more closely grouped together in an area diametrically opposite said opening.

2,577,401
DOOR ACTUATED ROTATABLE SERVICE CABINET
William Henry Calcutt and Sydney Alfred Frank Phelps, London, England
Application November 9, 1948, Serial No. 59,164
In Great Britain April 28, 1948
2 Claims. (Cl. 232—1)



1. A service cabinet for receiving, storing and delivering goods comprising, in combination, a substantially cylindrical container adapted to be rotatably mounted within an aperture in a wall, door, gate or like structure so that a portion of the container projects on one side of the wall through the aperture, said one side constituting the goods receiving side of the apparatus where goods are deposited in the container, the other side of the wall being that where the goods are withdrawn from the container; a sliding door covering and enclosing the container on said receiving side, and adapted to be moved in one direction to an open position exposing said receiving side; radial partitions in said container dividing the interior thereof into a plurality of compartments; means operatively connecting said sliding door with said container for effecting rotation of the container in said one direction through an angle substantially equal to the angle between two adjacent partitions when said sliding door is moved in said one direction to said open position, said means constituting the sole means for effecting rotation of the container from the receiving side of the apparatus; means for preventing rotation of the container in the opposite direction; and spring operated releasable latch means automatically locking the container against movement in either direction after having been rotated through one revolution by successive openings and closings of the door, said releasable latch means being accessible only from the goods delivery side of the apparatus.

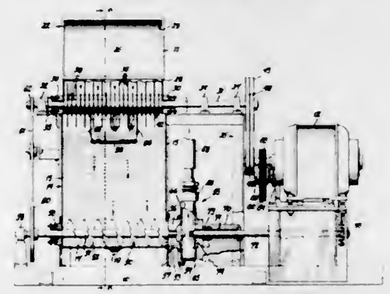
2,577,402
FISH LURE
Samuel J. Carnes, Camden, Ark.
Application September 13, 1947, Serial No. 773,778
1 Claim. (Cl. 43—42.36)



A fishing lure comprising a buoyant body of greater length than width and provided with a front face inclined at an angle to the longitudinal axis thereof, said body having a substantially rectangular bore which tapers from the front to the rear end of the lure with the smaller end of the bore at the rear end of the lure and the larger

end of the bore at the front end of the lure, a bar extended through said bore and having a cross section smaller than the width of the bore at its smaller end, a combined eye and washer secured to the rear end of said bar and adapted to have a hook secured thereto, said washer being adapted to abut the body of the lure at the rear end thereof, and an enlargement at the front end of said bar and having an opening therein adapted to have a fishing line secured thereto, whereby the bar is capable of swinging laterally within the bore and is capable of moving longitudinally thereof but is prevented from disengagement from the bore by said washer and said enlargement.

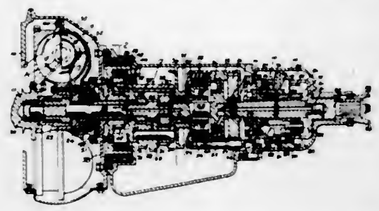
2,577,403
APPARATUS FOR COMMINUTING MATERIALS
Robert H. Carson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application August 16, 1947, Serial No. 768,954
2 Claims. (Cl. 146—106)



1. Apparatus for comminuting materials, comprising a vat having a materials inlet in its upper part and a materials outlet in one side of its bottom part, a shaft arranged adjacent said materials inlet, a comminuting mechanism driven by said shaft and arranged across said materials inlet, a screw shaft journalled in the walls of said vat and having a screw thread arranged in said vat directly below said comminuting mechanism and arranged to propel the comminuted materials toward said side outlet, a prime mover driving said shafts at constant speeds, a centrifugal pump casing having its inlet connected with said side outlet, a pump rotor in said centrifugal pump casing, an adjustable variable speed transmission operatively arranged between said prime mover and said pump rotor, and means responsive to the level of materials in said vat and arranged to adjust said transmission and operate said pump rotor at a speed to maintain said screw thread submerged regardless of the rate of feed of materials to the apparatus.

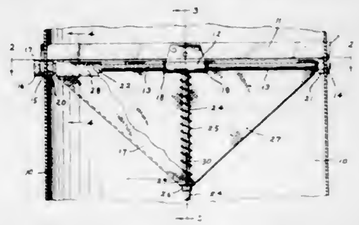
2,577,404
ROTARY HYDRAULIC COUPLING
Robert P. Clifton, Dearborn, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 16, 1945, Serial No. 588,617
4 Claims. (Cl. 60—54)

1. In a hydraulic coupling of the torus type, a vaned driving rotor, a vaned primary driven rotor and a vaned secondary driven rotor, said primary driven rotor having a core wall thereon dividing the vanes into a central portion and two outer portions with respect to the torus such that two distinct fluid circuits are established, one circuit operating on the two outer portions and the other operating on the central portion;



and said secondary driven rotor being disposed hydraulically between the two outer portions and solely in the hydraulic circuit operating upon the two outer portions.

2,577,405
PROPORTIONING FLOW DAMPER
Ben Cones, Indianapolis, Ind.
Application May 3, 1950, Serial No. 159,681
11 Claims. (Cl. 138—45)



8. A damper construction for varying volume flow comprising a pipe; a collapsible damper comprising a generally triangular shaped flexible bag having an approximately pipe diameter base opening; a leaf spring attached to and extending across each base side of the bag normally in a straight line for open damper condition; a screw-threaded rod revolubly carried by said pipe along and in substantial parallelism with said springs; carriers, to which ends of the springs are secured, revolubly mounted on said rod; one at least of said carriers being screw-threadedly engaged with said rod to bow and straighten said springs in accordance with selected directions of rotation of said rod.

2,577,406
PARING OR CORING TOOL
Purley Amos Crandell, Burnley, England, assignor to Platers & Stampers Limited, London, England, a British company
Application January 26, 1946, Serial No. 643,625
In Great Britain April 3, 1944
2 Claims. (Cl. 30—340)

1. A tool comprising a blade, said blade having a tang of arcuate transverse cross sectional contour and provided with abruptly inwardly converging longitudinal edge portions throughout the length of said tang, a handle having an end portion penetrated by said longitudinal edge portions of the tang coextensive with the length of said tang and conforming to the arcuate contour of the tang intermediate said longitudinal edge portions, and a ferrule having a base provided with a tang receiving passage conforming to the transverse cross sectional contour of said

edge portions of the tang and the portion of the tang intermediate said edge portions and having



a continuous side wall encasing the end portion of the handle and the tang.

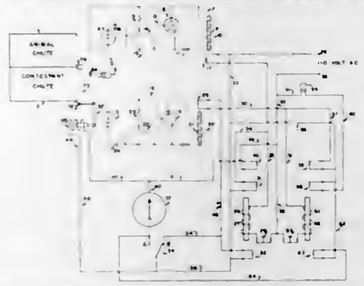
2,577,407
DEVICE FOR CUTTING AND SLICING VEGETABLES
Henry E. R. Dent, Rochdale, England, assignor to Colly Products Limited
Application May 22, 1946, Serial No. 671,523
In Great Britain May 22, 1945
2 Claims. (Cl. 30—280)



1. A device for cutting and slicing vegetables and the like comprising a stem of channel formation having a handle secured to one end thereof, with the portion of the stem projecting from the handle presenting a pair of transversely opposed faces in planes at an angle of 90 degrees apart, and means secured to the stem which in conjunction with said faces of the stem define a tube of square transverse cross-sectional contour at the end of the stem opposite said handle, said means comprising a blade member having a transverse cutting edge facing and spaced from the handle and its opposite transverse edge coterminous with the end of the stem remote from the handle.

2,577,408
AUTOMATIC ELECTRIC TIMING SYSTEM
Joe Dobson, Talpa, Tex.
Application October 4, 1948, Serial No. 52,750
3 Claims. (Cl. 161—18)

1. Apparatus for timing racing events which comprise a first and a second light beam receiver positioned at a starting line, light emitting means positioned so as to direct light on said light beam receivers, electric timing means, a first electric circuit connecting said first receiver with said timing means and responsive to interruption of the light beam between said first receiver and said light emitting means to cause said timing means to start, indicating means, and a second electric circuit connecting said second light beam receiver and said indicating means and responsive to interruption of the

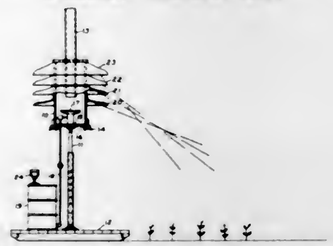


light beam between said second light beam receiver and said light emitting means to actuate said indicating means, said second circuit including a circuit opening element actuated by said first electric circuit upon interruption of the light beam between said first light beam receiver and said light emitting means to open said second circuit thereby preventing actuation of said indicating means by subsequent interruption of the light beam between said second receiver and said light emitting means.

2,577,409
ALLYL ISOTHIOCYANO ETHERS
William S. Emerson and Raymond I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 6, 1948, Serial No. 13,528
16 Claims. (Cl. 260—454)

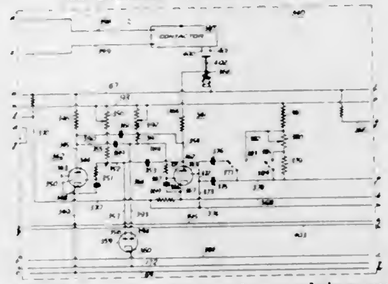
1. 5(n-butoxy)-3-isothiocyano-1-pentene.

2,577,410
RADIANT HEATER HAVING PLURAL REFLECTORS FOR PREVENTING FROST DAMAGE TO PLANT LIFE
Arthur W. Farrall, East Lansing, Mich., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application December 11, 1946, Serial No. 715,512
3 Claims. (Cl. 126—59.5)



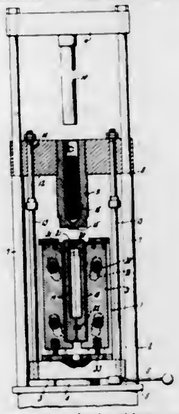
1. Combustion apparatus for heating by means of infrared rays an unenclosed area many times the horizontal extent of said combustion apparatus comprising a heat exchanger having a tubular side wall and a plurality of relatively wide annular reflector plates attached to said heat chamber in vertically spaced relation and substantially transverse to the axis thereof, the reflector plates being arranged at such a relative angle to said side wall that substantially all rays normal thereto strike said plates and are reflected and directed outwardly beyond the outer confines of any area beneath said plates.

2,577,411
SEQUENCE AND WELDING TIMER
Donald P. Faulk, Lexington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 31, 1950, Serial No. 141,518
25 Claims. (Cl. 315—246)



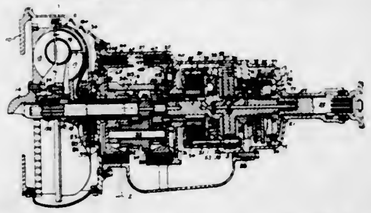
1. A timing system for use in supplying current through a load from a voltage source comprising means for controlling current from said source through said load, a pair of cascade connected controlled-ignition gas-filled discharge devices, means responsive to current flow in the leading one of said discharge devices for causing said controlling means to conduct current through said load, means responsive to current flow in the other of said discharge devices for causing said controlling means to stop current flow in said load, means for causing current to flow in said one discharge device, time control means effective only while said one discharge device is conductive for causing said other discharge device to conduct, and means for extinguishing said one discharge device thereby extinguishing said other discharge device.

2,577,412
MOLD CONSTRUCTION
Wesley Ferrell, Fair Lawn, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 23, 1947, Serial No. 793,448
5 Claims. (Cl. 18—42)



5. A mold for use in injection molding operations, comprising a supporting frame having spaced side walls provided with elongated slots having a surface disposed at an angle, spaced clamping members located in said frame and being provided with pins extending through and movable in said slots in engagement with said surfaces, said clamping members being movable toward and away from each other upon movement relative to said supporting frame, spring elements disposed between said frame and said clamping members supporting said clamping members in spaced apart relationship, a split mold insert having a cavity therein located between said clamping members, each of said clamping members being provided with a projecting portion for supporting said mold insert within said frame, said clamping members being moved toward each other to clamp the mold parts together when pressure is applied to the mold insert against the action of said springs during a molding operation.

2,577,413
TRANSMISSION MECHANISM
Le Roy H. Frailing, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 10, 1945, Serial No. 587,523
5 Claims. (Cl. 74—732)



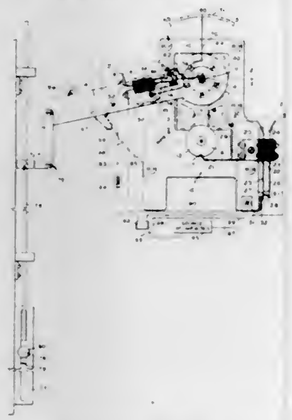
1. Transmission mechanism comprising drive and driven shafts, planetary gearing connecting said shafts and adapted to produce a low forward speed, a fluid operated brake device for establishing said low speed, a reverse gear meshing with an element of said gearing, a device for braking said reverse gear, a clutch device for locking the planetary gearing, a pressure fluid system connected with said brake and clutch devices, a valve controlling flow to the clutch device responsive to the speed of the driven shaft, a valve automatically actuated by pressure fluid used to engage the high speed clutch for venting the low speed brake, and a manually operable master valve controlling fluid flow selectively to said reverse brake device and said clutch valve device.

2,577,414
TRANSPARENT CASTING FROM STYRENE-POLYESTER COPOLYMER
George L. Fraser, Springfield, and Harold F. Park, East Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 29, 1948, Serial No. 68,065
1 Claim. (Cl. 260—45.4)

In the process for preparing casting free from internal haze by the mass polymerization of a mixture containing from 2–60 parts of styrene and 100 parts of a substantially water-free unsaturated polyester in the presence of an organic peroxide polymerization catalyst, said polyester being a condensation product of a glycol containing from 2–8 carbon atoms and maleic acid, the step which comprises improving the clarity of the heat-hardened casting by incorporating

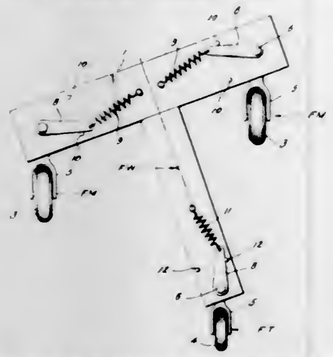
in the mixture 0.01–1.0% based on the total weight of the mixture, of the sodium sulfonate of dodecyl benzene prior to polymerization beyond the fluid stage.

2,577,415
MECHANISM FOR REGULATING SYNCHRONIZING IMPULSE TRANSMISSIONS
Charles C. Gall, Richmond Hill, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 18, 1947, Serial No. 742,356
6 Claims. (Cl. 58—33)



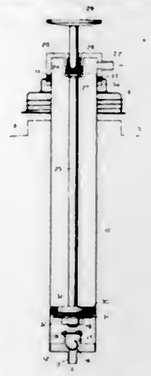
1. In an impulse transmitting system, a clock, a source of impulses, a control circuit for controlling the transmission of impulses therefrom, means for conditioning said control circuit periodically for a predetermined time interval, a cam on the seconds shaft of said clock, and contacts controlled by said cam for closing the conditioned circuit for a predetermined time interval during said first time interval, said contacts being movable in unison in an arc about said seconds shaft for shifting said second time interval relative to and within said first time interval.

2,577,416
CROSS-WIND UNDERCARRIAGE
John Harlin Geisse, Washington, D. C.
Application March 23, 1949, Serial No. 82,960
5 Claims. (Cl. 244—103)



1. In an airplane having castered main wheels and a castered tail wheel, the combination of stops limiting the degree of castering of the main wheels and pilot controllable stops limiting the degree of castering of the tail wheel.

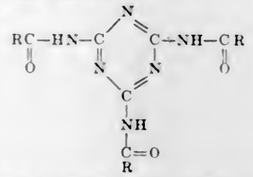
2,577,417
PUMP COMBINATION
Elwood R. Halpin, Rochester, N. Y.
Application July 16, 1948, Serial No. 39,050
1 Claim. (Cl. 222—385)



In combination, a unitary cap having a flat upper surface portion and a skirt portion depending from the periphery thereof, said upper portion having a single aperture therethrough of a given size smaller than said surface portion so as to leave a flat marginal area around said aperture, said cap having an enlarged portion extending outwardly and downwardly from said depending portion, said enlarged portion having screw threads to fit the threaded nipple of a standard fuel container, a pump extending through said aperture, said pump comprising a cylinder of uniform outer diameter substantially equal to said given size, said cylinder being externally threaded at its upper end portion; a head in the form of a cup internally threaded adjacent its rim and screwed on said end portion, an outlet nipple on said head externally of said cap and communicating with the interior of said pump, and means including an internally threaded collar screwed on said end portion, below said cup and said marginal area for clamping said marginal area between said collar and the edge of the rim of said cup.

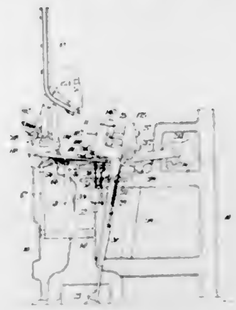
2,577,418
TALL OIL-MELAMINE REACTION PRODUCT AND PROCESS
Philip C. Hamm, Kansas City, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 15, 1949, Serial No. 127,507
2 Claims. (Cl. 260—97.5)

1. N,N′,N″-tri tall oil melamine, a composition having the structure



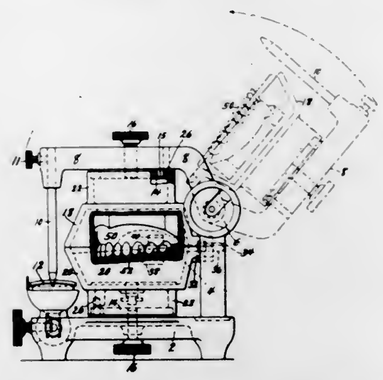
wherein R is a mixture of the hydrocarbon radicals of the carboxylic acids contained in the tall oil.

2,577,419
DOUBLE SHUTTLE WEFT REPLENISHING LOOM
William R. Hewton, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 7, 1947, Serial No. 753,211
42 Claims. (Cl. 139—242)



1. In a double shuttle weft replenishing loom, a replenishing mechanism on one side of the loom, picking means for simultaneously moving a pair of shuttles across the loom, two superposed movable shuttle compartments on the replenishing side of the loom and means for moving either of the compartments out of superposed relation so that a shuttle may be replenished in either compartment without interference from another shuttle or shuttle compartment.

2,577,420
METHOD AND APPARATUS FOR PREPARING DENTAL PROSTHESIS
Joseph J. Jablonski and Charles I. Hummer, Detroit, Mich.
Application December 13, 1949, Serial No. 132,746
9 Claims. (Cl. 32—32)



1. In a dental apparatus the combination of, an articulator adapted to reproduce movements and spacings of a patient's jaws, a locator plate attached to the articulator, a lower matrix former engageable with said locator plate and adapted to receive plaster for casts, and a cavity locator adapted to be mounted on said matrix former and projecting into the same.

2,577,421
METHOD FOR TREATMENT OF CITRUS FRUIT
Herman Joseph Keller, Dunedin, Fla.
No Drawing. Application January 24, 1948, Serial No. 4,209
17 Claims. (Cl. 99—103)

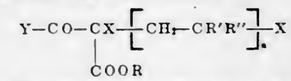
1. A method for degreening citrus fruit which comprises treating citrus fruit with an atmosphere containing a member of the group consisting of ethylene oxide, trichloroethane and ethylene dichloride, at a temperature from about 75° to about 90° F. and a relative humidity from about 80% to about 100%, the concentration thereof being sufficient to effect substantial degreening of the fruit but insufficient to affect deleteriously the color and the flavor thereof.

2,577,422
PROCESS OF REACTING 1-ALKENE HYDROCARBONS WITH AN ESTER TYPIFIED BY DIETHYL DICHLOROMALONATE
Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 27, 1949, Serial No. 95,882
5 Claims. (Cl. 260—483)

1. The process which comprises reacting a monoolefinic 1-alkene hydrocarbon with an ester having the formula

$$Y—CO—CX_2—COOR$$

where R is alkyl, X is a halogen selected from the class consisting of chlorine and bromine and Y is selected from the class consisting of alkyl and alkoxy in the presence of free radicals and recovering from the resulting reaction mixture a compound having the formula



where R, X and Y are as before and where R′ and R″ are selected from the class consisting of hydrogen and alkyl, and where n is an integer of from 1 to 3.

2,577,423
PIPE MOLD AND METHOD OF MAKING THE SAME
Ralph E. Ludwig, Youngsville, and Herbert L. MacBride, Warren, Pa., assignors to National Forge & Ordnance Company, Irvine, Pa., a corporation of Delaware
Application May 31, 1949, Serial No. 96,335
15 Claims. (Cl. 22—113.5)



1. In the manufacture of metal pipe molds for use in the art of centrifugal casting, the method of finishing the interior molding surface thereof which comprises the step of cold working said surface with embossed die means rolling in pressure contact therewith to harden the mold metal to a substantial depth below said surface and

simultaneously establish substantially contiguous indentations in said surface, the depth of said indentations being from about .005" to about .010".

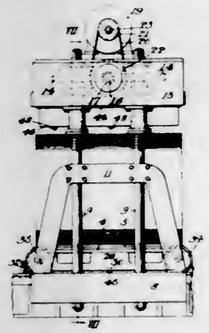
6. A metal pipe mold for use in the art of centrifugal casting having cold worked indentations in its interior molding surface, the depth of said indentations being from about .005" to about .010".

2,577,424

METHOD OF AND MEANS FOR STRIPPING CUT AND CREASED SHEETS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application December 31, 1946, Serial No. 719,553
24 Claims. (Cl. 93—58)



1. In a sheet stripper, upper and lower dies, means for moving one of the dies toward the other die to exert pressure on an interposed pile of cut and creased sheets to sever the connections between the useful and waste portions of the sheets to strip them, said dies having coacting cutting and stripping elements of the same contours as the said useful portions, and means for removing the lower die with its pile of stripped sheets from under the upper die and transferring them to a predetermined point.

2,577,425

THERMAL CUTOUT SWITCHES

Jean Marcoz, Rueil-Malmaison, France

Application June 1, 1950, Serial No. 165,404
In France July 29, 1949
2 Claims. (Cl. 200—116)



1. Circuit-breaker which comprises in combination a pair of spring-arms each carrying one of a pair of cooperating contacts, one of said arms being biassed away from, and the other towards, a contact-making position, a spring-strip resiliently movable in a plane perpendicular to the plane of movement of said arms, a nose projecting from said spring-strip and adapted to retain said one arm in its said position, a bi-metal strip adapted to be distorted under an overload, an adjustable screw carried by said bi-metal strip and engaging said spring-strip, distortion of said bi-metal strip being adapted to axially move said screw to deflect said spring-strip to withdraw said nose and release said one contact, and a push-button having a base bearing on said one spring arm and an extension bearing on said other spring arm, the dimensioning being such that depression of said button first moves said one arm to its latched contact-making position and then moves said other arm slightly away from its said position, said button when released allowing said other arm to return under its inherent bias to its said position.

2,577,426

RED BRASS, CAPABLE OF BEING HOT-WORKED

William E. McCullough, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application September 10, 1948, Serial No. 48,771
2 Claims. (Cl. 75—157.5)

1. An alloy having the following composition:

	Per cent
Copper	50 to 55
Aluminum	0.5 to 2
Manganese	0.5 to 2
Silicon	0.5 to 2
Lead	0 to 2
Others	0 to 1
Zinc	Balance

2,577,427

INSULATING COVERING

Paul F. McDermott, deceased, late of Martinsville, N. J., by Mary McDermott, administratrix, Plainfield, N. J., and Harry E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Original application November 11, 1943, Serial No. 509,880, now Patent No. 2,445,624, dated July 20, 1948. Divided and this application January 29, 1948, Serial No. 4,966
4 Claims. (Cl. 154—44)



3. An insulating covering consisting of a plurality of asbestos strands having reinforcing elements, said strands being wound in continuous, contiguous spirals to form a hollow tubular member, and a flexible, extensible adhesive material securing said strands in assembled, tube defining relationship.

2,577,428

OPEN-HEARTH FURNACE ROOF CONSTRUCTION

Joseph S. Mohr, Chicago, Ill., assignor to General Refractories Company, Philadelphia, Pa.

Application December 30, 1947, Serial No. 794,494
15 Claims. (Cl. 110—99)



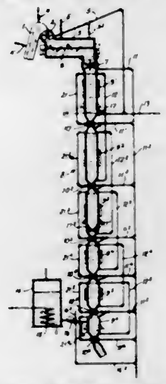
1. An open hearth furnace roof, comprising a girder plate structure supported at its ends, a plurality of bricks to span the arch of the roof, and means to detachably suspend said bricks from the upper portion of said girder plate structure, the lower edge of said girder plate structure extending substantially to the plane of those surfaces of said bricks that are directly exposed to the furnace heat.

2,577,429

EXTRACTION APPARATUS

Camillo J. Mueller, New York, N. Y.

Application November 23, 1945, Serial No. 630,462
5 Claims. (Cl. 23—270)



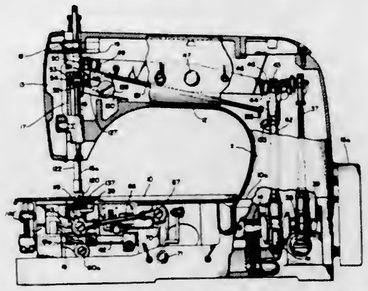
1. An apparatus for extraction of solid material with solvent comprising a succession of extraction containers, a solvent inlet into at least the end container in the series and a solvent outlet from the first container in the series in the order of flow of solid material, feed means for said solid material into the first container and an outlet therefor from the end container, a valve structure disposed betwen each pair of adjacent containers, said valve structure comprising a rotatable compartment valve plug and conduits for steam and screened outlet for expressed solvent, the latter to be returned to the container preceding the respective valve structures, and a conduit between each pair of adjacent containers for feeding solvent from each container to its preceding container.

2,577,430

NEEDLE FEED SEWING MACHINE

Albert C. Peterson, Park Ridge, and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application March 7, 1950, Serial No. 148,101
15 Claims. (Cl. 112—206)



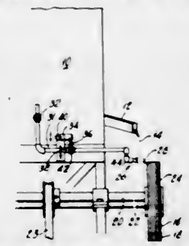
1. In a sewing machine having a frame with a work supporting base, a vertical standard and an overhanging arm terminating in a needle head and having a single rotary shaft which extends longitudinally of said base, the combination of a reciprocable needle bar, a carrier for said bar pivotally mounted in said needle head for movement of the lower end of said bar along the line of feed, connections from said shaft for reciprocating said needle-bar, and connections from said shaft for rocking said carrier about its pivot, said last mentioned connections including a rock shaft extending along said overhanging arm, an arm secured to said rock shaft in said needle head and a link pivotally connected with said arm and said carrier.

2,577,431

METHOD AND APPARATUS FOR THE MANUFACTURE OF MINERAL WOOL

Edward R. Powell, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application March 18, 1949, Serial No. 82,182
10 Claims. (Cl. 18—2.6)



1. In an apparatus for converting a molten raw material to fibers, said apparatus including means for discharging a fluid stream of molten material, the improvement comprising, means for directing a fluid jet against the stream for spreading said stream and increasing its velocity, a rotor having a fiberizing surface, means mounting said rotor for rotation with its fiberizing surface in the path of the spread stream, a second rotor having a fiberizing surface, means mounting said second rotor for rotation with its fiberizing surface adjacent said surface of the first rotor, and means for rotating said rotors at high speeds and in opposite directions.

2,577,432

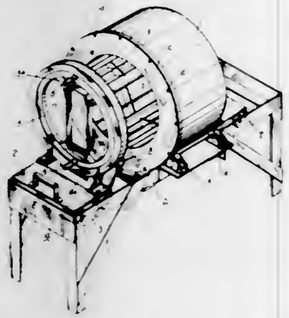
POLYETHYLENE POLYAMINE ACTIVATED ORGANIC PEROXIDE CATALYZED SYNTHETIC RUBBER EMULSION POLYMERIZATIONS

Raoul L. Provost, Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 23, 1950, Serial No. 163,784
12 Claims. (Cl. 260—84.7)

1. In the process of emulsion polymerizing in alkaline medium an iron-free synthetic rubber polymerization recipe comprising synthetic rubber-forming monomers selected from the group consisting of butadienes-1,3 and mixtures of butadienes-1,3 with compounds which contain a single $CH_2=C<$ group and are copolymerizable with butadienes-1,3, water, emulsifying agent, organic peroxide catalyst, and polyethylene polyamine activator, the step which comprises carrying out the polymerization in the presence of 0.001 to 0.1 part per 100 parts of polymerizable monomers of salt selected from the group consisting of alkali tartrates and alkali citrates.

2,577,433
MACHINE FOR COATING CONFECTION BODIES
John F. Robb, Cleveland Heights, Ohio, assignor to Good Humor Corporation, Brooklyn, N. Y., a corporation
Application March 31, 1949, Serial No. 84,712
16 Claims. (Cl. 107—1)



1. In a confection coating machine, a support, a coating material holding drum mounted to rotate about a horizontal axis on the support, and having an open end portion, blades on the drum interiorly thereof and rotatable therewith to pick up and spill coating material downward toward the axis of the drum, a carrier at the open end of the drum, means supporting said carrier for rotation independently of the drum, said carrier having means for supporting confections to be coated within the zone of the spilling of said material, and means to rotate the carrier independently of the drum.

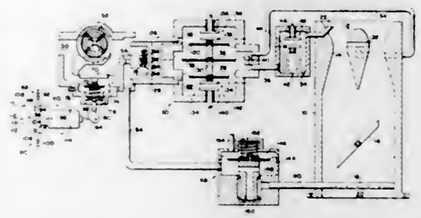
2,577,434
FLOW SYSTEM AND VALVE STRUCTURE THEREFOR
William C. Rosenbaum, Ferguson, Mo.
Application September 10, 1945, Serial No. 615,386
12 Claims. (Cl. 137—78)



10. In a fluid handling system including at least two fluid conduits, the system being such that in order to obtain a desired result it is essential that the flow of fluid through one conduit occurs only when the fluid in another conduit is subject to a predetermined control, a valve in each conduit comprising a valve body structure, having a valve seat, and a member having movement away from said seat to open the valve and having movement towards said seat to close the valve, a threaded stem associated with each member and rotatable in opposite directions to effect said movements respectively, a handle applicable selectively to said stems, elements on the valve in the first mentioned conduit cooperating with the handle to permit the application of the handle to the stem only when the valve is closed and to prevent the removal of the handle from the stem when the valve is open, and elements on the valve in the second mentioned conduit cooperating with the handle to permit the removal of the handle from the stem only when the valve effects said predetermined control and to prevent the removal of the handle from the stem when the valve effects a different control.

11. In combination, a valve body having a seat and a threaded extension, a member movable towards and away from said seat to valve closing position and to valve opening position respectively, a stem for said member rotatable in opposite directions to effect said movements of said member, a stem operating handle applicable to and removable from said stem by their non-rotative relative movement when said closure is in a predetermined one of said positions, said handle including a part fixed against rotation thereon and having threads engageable with said threaded extension, when said handle is rotated, to hold the handle against non-rotative movement relative to the stem.

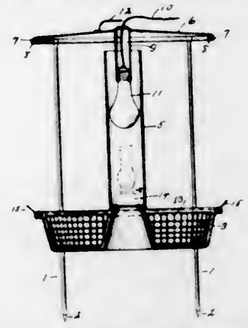
2,577,435
CONTROL APPARATUS
David H. Siebenthaler, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application September 5, 1946, Serial No. 695,009
12 Claims. (Cl. 261—39)



6. A fuel supply system for an internal combustion engine, comprising means for measuring the rate of flow of combustion air to said engine, means for measuring the rate of flow of fuel to said engine, first and second variable condensers, means including both said measuring means for simultaneously and oppositely varying the capacitance of said condensers in accordance with the balance between said air and fuel flows, a third variable condenser, means responsive to the density of said combustion air for varying said third condenser, a bridge circuit, means connecting said first and second condensers in adjacent arms of said bridge circuit, means connecting said third condenser in another arm of said bridge circuit, and means responsive to the unbalance potential of said bridge circuit for controlling the flow of fuel to said engine.

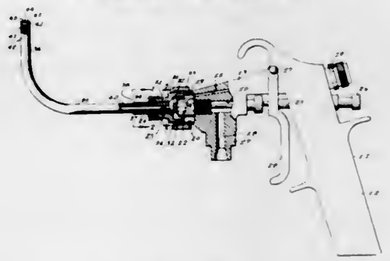
2,577,436
TRAP FOR FLYING INSECTS
Joe Ceifh Smith, Bibb County, Ala.
Application November 26, 1947, Serial No. 788,228
2 Claims. (Cl. 43—113)

2. A flying insect trap of the character described comprising, four metal legs having pointed ends adapted for insertion into the ground, a round pan attached to and supported by said legs and spaced upwardly of the said pointed ends, the bottom of the pan having an integral raised center portion, a transparent tube supported on said raised center portion, a light source supported within said tube; a wire mesh strainer of a size to loosely fit within the said pan, a ring made of metal attached to the top ends of the said legs retaining same in fixed positions with relation to each other, and a metal cover of a size to remov-



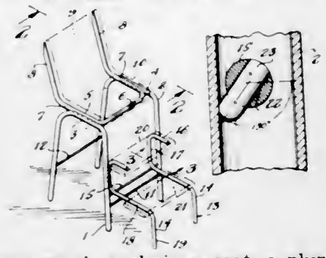
ably fit as a lid upon and over said ring and upper leg ends.

2,577,437
INNER WALL FOGGING GUN
Orval A. Stringer, Orlando, Fla.
Application September 16, 1949, Serial No. 116,155
2 Claims. (Cl. 299—140)



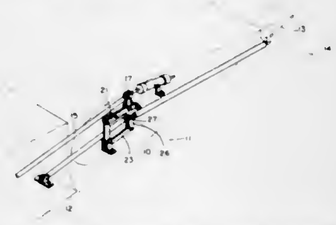
1. A spray gun comprising a gun body having a first passage for air under pressure and a second passage for liquid spaced from said first passage, a discharge nozzle connected to one end of said second passage, a sleeve having one end arranged in confronting relation with respect to one end of said gun body adjacent said nozzle, a cylindrical flange on the confronting end of said sleeve embracingly surrounding said nozzle and secured to said one end of said gun body, said flange being spaced from said nozzle to provide a space therebetween, said space being in communication with the adjacent one end of said first passage there being a plurality of spaced longitudinally extending port extending inwardly from the other end of said sleeve and terminating in and in communication with said space, a longitudinal tube having one end extending into the other end of said sleeve and embracing said discharge nozzle, a second longitudinal tube circumposed about and spaced from said first named tube and having one end fixedly secured to the other end of said sleeve, the space between said first and second named tubes being in communication with said plurality of spaced longitudinally extending ports of said sleeve, an end wall provided with a plurality of spaced apertures on the other end of said second tube, the other end of said first named tube being spaced from said end wall of said second named tube, and a second end wall provided with a centrally disposed aperture on the other end of said first named tube and spacedly secured to the adjacent portion of said second named tube, said second and first named end walls and the adjacent portion of said second named tube forming a mixing chamber for the liquid discharge through the central aperture of said second end wall and the air discharged through the spaced securement of said second end wall.

2,577,438
STEP STOOL
Nathan Sussman, Long Island City, N. Y.
Application April 22, 1950, Serial No. 157,509
1 Claim. (Cl. 228—30)



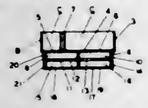
In a step stool or chair, a seat, a plurality of hollow legs supporting said seat, a step ladder turnably disposed between two of said legs, a brace rotatably mounted in said two hollow legs and secured to said step ladder, said brace being disposed eccentrically to the axis of said legs, a pin member inserted at each end of said brace within said legs and abutting against the inner face of the wall of lesser distance of said legs when said step ladder is in operative position and said pin member of the brace passing freely the inner opposite face of said legs when said step ladder is turned upon said brace from operative into inoperative position within said chair.

2,577,439
DIFFERENTIAL SPRING BALANCE TAB
Harold O. Wendt, Columbus, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application October 18, 1947, Serial No. 780,701
9 Claims. (Cl. 244—82)



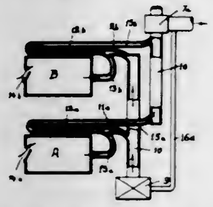
6. In a control system for an airplane having a control airfoil hinged thereto, the combination therewith comprising a tab hinged to the trailing edge of the airfoil, a first link pivoted to the tab and a second link pivoted to the airplane, said links being pivoted to each other and to a first connecting link upon a pivot axis that may be moved into substantial coincidence with the control airfoil hinge axis, a control element and a differential linkage connecting the element with the airfoil and said links, said differential linkage upon movement of the control element effecting movement of the airfoil or displacement of said link pivot axis from coincidence with the control airfoil hinge axis or both airfoil movement and link pivot axis displacement, and elastic means for resisting such displacement of said link pivot axis.

2,577,440
DAYLIGHT DEVELOPING TANK FOR PHOTOGRAPHIC ROLL FILMS
Nathan Wolff, St. Louis, Mo.
Application October 10, 1947, Serial No. 779,149
2 Claims. (Cl. 95—90.5)



2. A photographic developing device comprising, in combination, an elongated tank and a light fitting funnel-topped cap removably disposed across the top of the tank, said cap being provided with two sets of light-baffled apertures for permitting the introduction and removal of fluids into and from the tank, and a partition extending transversely across its funnel top for separating the sets of apertures.

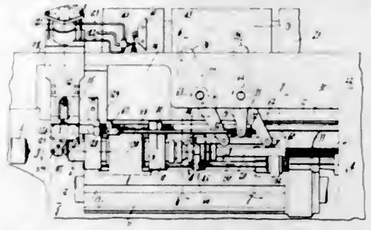
2,577,441
HEATING AND DRYING SYSTEM
René Zaniroli, Paris, France
Application January 7, 1948, Serial No. 1,042
In France January 9, 1947
3 Claims. (Cl. 237—69)



1. An arrangement for heating premises, comprising in combination, means for producing hot dust-free combustion gases; a main distributing duct connected to said producing means; at least one branch pipe for each premise to be heated connected to said main distributing duct; a pipe adapted to suck fresh air opening into each of the premises to be heated and leading into said branch pipe; at least one heat exchanger in each of the premises to be heated having an input side connected with said branch pipe on the down stream side of the point at which said sucking pipe opens into said branch pipe, so that the said heat exchanger is fed with a mixture of hot combustion gases and fresh air; a main collecting duct; a pipe for connecting said collecting duct with the output of each heat exchanger; and suction means having an input side connected with said main collecting duct.

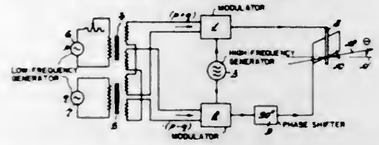
2,577,442
WORK HANDLING AND TOOLING MECHANISM
Clarence H. Adams and George H. Pratt, Windsor, Vt., assignors to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application March 15, 1946, Serial No. 654,627
5 Claims. (Cl. 29—37)

2. In combination with a reciprocating carrier, of a rotary pick-off spindle movable axially with said carrier, means limiting the axial motion of said spindle in the direction away from pick-off position while the motion of said carrier may continue, a work piece gripper carried by said spindle, a sleeve axially movable on said spindle and connected to open and close said gripper by relative axial motion between said spindle and sleeve, a collar in which said sleeve is journaled for rotation of said sleeve with said spindle while said collar is non-rotatable, cam actuated means impinging on said collar and moving said



collar in work-gripping closing position when said spindle is at its forward limit of motion, and means conditioned by continued retraction of said carrier after the axial motion of said spindle has been stopped for moving said collar in the opposite direction to release the work during the forward motion of said spindle.

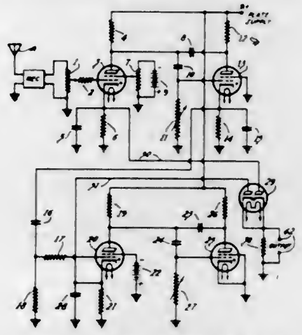
2,577,443
RADIO BEACON SYSTEM
Johan Willem Alexander and Balthazar Jan Wesselink, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 6, 1947, Serial No. 790,208
In the Netherlands December 12, 1946
7 Claims. (Cl. 343—107)



1. In a radio beacon system, transmitting apparatus for indicating a guiding plane in accordance with the amplitude comparison method, said apparatus comprising a high-frequency carrier wave source, means to generate first and second low-frequency modulation voltages of different frequency, means to modulate said carrier wave with a resultant voltage produced by the addition of said first and second modulation voltages to develop a first output signal, means to modulate said carrier wave with another resultant voltage produced by the subtraction of said first and second modulation voltages to develop a second output signal, the carrier wave component in one of said output signals being suppressed, directional radiation means responsive to one of said output signals to propagate the signals in phase opposition on either side of said guiding plane, and non-directional radiation means responsive to the other of said output signals to propagate the signals in phase coincidence on either side of said guiding plane.

2,577,444
PULSE REGENERATOR CIRCUIT
Warren H. Bliss, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1945, Serial No. 590,822
12 Claims. (Cl. 178—68)

9. In a pulse communication system of the type wherein groups of time spaced relatively short pulses of given nature are transmitted to represent longer pulses of the same nature, the transmitted short pulses being subject to distortion during transmission, a pulse reproducing circuit arrangement including a monostable multivibrator circuit having a stable and an active state, means to apply received signals to said multivibrator circuit whereby said short pulses as received are regenerated in essentially the same form as transmitted, a further monostable mul-

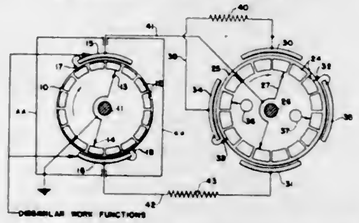


tivibrator circuit having a stable and an active state and being coupled to the first said multivibrator circuit to be activated upon said first multivibrator circuit being restored to the stable state, the active period of said further multivibrator circuit being substantially equal to the time spacing between the short pulses of each of said groups as regenerated, and a circuit directly connected to both of said multivibrator circuits to combine the outputs thereof to reproduce said longer pulses.

2,577,445
PREPARING METHACROLEIN FROM THE DIMER THEREOF
Newman M. Bortnick, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 4, 1947, Serial No. 784,084
3 Claims. (Cl. 260—601)

1. The process of preparing methacrolein from the dimer thereof which is identified by boiling at 171°–172° C. and forming a semicarbazone melting at 174°–177° C. which comprises pyrolyzing said dimer by heating it between 250° C. and 550° C.

2,577,446
ELECTROSTATIC VOLTAGE GENERATOR
Carl Bosch, Westfield, N. J., assignor to Chatham Electronics Corporation, Newark, N. J., a corporation of New Jersey
Application August 5, 1950, Serial No. 177,838
9 Claims. (Cl. 171—329)



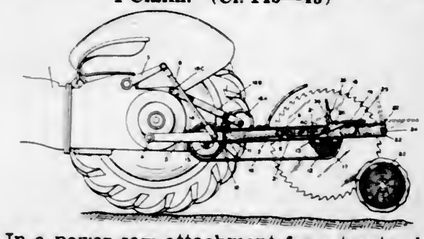
1. An electrostatic voltage generator comprising, a rotatable insulating support, conducting sectors mounted on said support, two stator plates having dissimilar work functions mounted adjacent to the sectors, a diametral conductor having a brush at each end thereof for sequentially connecting opposite sectors as said sectors pass through the electric field between the stator plates, and two collecting brushes, each connected to a stator plate, for collecting electrical charges from the sectors.

2,577,447
AUTOGRAPHIC REGISTER
Maxel L. Bright, Berkeley, Calif., assignor to Moore Business Forms, Inc., Emeryville, Calif., a corporation of Delaware
Application July 7, 1950, Serial No. 172,578
4 Claims. (Cl. 282—22)



1. In a record device, in combination, a rigid supporting casing having a space therein for containing a supply of record units, a platen, means movably supporting said platen with respect to said casing above said supply space and with its head end at a predetermined minimum distance from the corresponding end of the casing when in operative position, binding means including a binding post carried by said casing and normally positioned slightly beyond the head end of said platen when the latter is in said operative position, said binding post being accessible both above and below said platen to bind both the units in the supply space and a unit resting in writing position on the platen, said binding means further including a yielding retaining element fixed to the casing adjacent the head end thereof and normally resiliently engaging the free end of said binding post to releasably retain said units upon the post, a carriage supporting the binding post and slidable with respect to said casing, guiding means on the casing for confining the movement of said carriage solely to longitudinal movements with respect to the casing, and means for manually moving said carriage away from and toward said head end of the casing to alternately free said post from said fixed yielding retaining element and bring it into engagement therewith.

2,577,448
CUTOFF SAW FOR TRACTORS
Clarence Roy Carr, Salem, Oreg.
Application February 20, 1948, Serial No. 9,704
1 Claim. (Cl. 143—43)



In a power saw attachment for a tractor having a lift means and a power take-off, a frame including channel shaped outwardly facing side bars having upper and lower longitudinally disposed edge flanges and a cross bar connecting the outer ends of the bars, means for releasably

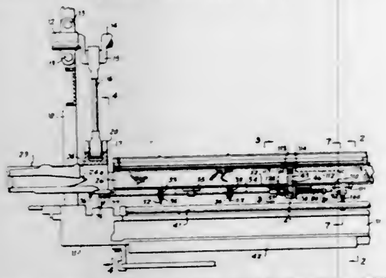
attaching the inner ends of the bars to the tractor, links connecting the bars with the lift means, a transverse shaft rotatably journalled on the bars and spaced from the cross bar, a saw mounted on one extremity of the shaft, drive transmission means operatively connecting the power take-off to the shaft, a table transversely disposed on the bars, brackets supporting the table and having rollers journalled thereon and rotatably disposed in the side bars whereby the table is mounted for longitudinal sliding movement on the bars, a stop member depending from the table and engageable with the cross bar to limit the outward movement of the table and locking means carried by the table and receivable in an opening formed in one of the bars for securing the table in a fixed position on the bars, said means for attaching the inner ends of the bars to the tractor including a pair of arms pivotally mounted to the tractor, fasteners securing the arms to the webs of said bars with the end of each arm lying flat against each web within the channel intermediate of the upper and lower longitudinally disposed edge flanges so that each arm is parallel to and serves as an extension of each side bar and pins removably carried by the upper and lower longitudinally disposed edge flanges of the bars in vertical relation thereto outwardly of the arms and in contact therewith for holding the arms in contact with the webs in axial alignment with the bars.

2,577,449

FILLING FORK WELL CLEANER

Howard W. Carroll, Rock Hill, S. C.

Application July 27, 1950, Serial No. 176,130
8 Claims. (Cl. 139—379)



1. In a loom having a lay provided with a filling fork well intermediate the ends thereof and in which a filling fork is adapted to move when a weft yarn is not thrown across the lay, means for preventing the accumulation of lint and the like in the filling fork well comprising a pipe extending past the filling fork well and having at least one opening therein disposed in closely spaced relation to the filling fork well and means for directing compressed air through the pipe to be emitted into the filling fork well upon each beat-up stroke of the lay to remove and prevent accumulation of lint in said well.

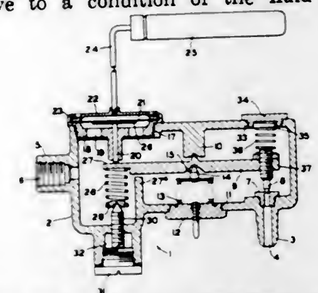
2,577,450

REFRIGERATION EXPANSION VALVE

Franklyn Y. Carter, Dearborn, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application June 18, 1948, Serial No. 33,719
11 Claims. (Cl. 236—92)

1. In a refrigeration expansion valve, a valve casing having an inlet and an outlet, a valve member for controlling fluid flow through said inlet, lever means for moving said valve member and having a fixed fulcrum point for normal operation, thermostatic means for rotating said lever means about said fulcrum point, and means responsive to a condition of the fluid passing



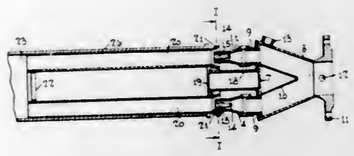
through said casing and operable to move said lever means away from said fulcrum point to control movement of said valve member, said responsive means holding said lever means against said fulcrum point during normal operation.

2,577,451

APPARATUS FOR THE PRODUCTION OF AIR FOAM AND AIR FOAM FIRE-EXTINGUISHING INSTALLATIONS

Günter Clemens, Hamburg-Nienstedten, and Egidius Westenfelder, Hamburg-Fuhlsbuttel, Germany, assignors to Standard Oil Development Company, Elizabeth, N. J.

Application September 23, 1950, Serial No. 186,402
In Germany February 24, 1949
13 Claims. (Cl. 169—15)



1. Apparatus for the production of air-foam, comprising an elongated foam delivery chamber having a discharge end and an inlet end, a foam mixing tube extended into said chamber toward the discharge end thereof, terminating in longitudinally spaced relation thereto, injector means for introducing foam forming liquid into said tube as an annular stream of such liquid, means for admitting air into said tube as a flowing stream in intimate surface contact with said annular stream of liquid, and conduit means for supplying foam forming liquid to said injector means.

2,577,452

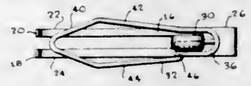
PIN CURL CLIP

Charles R. Cochran, Chicago, Ill.

Application July 28, 1950, Serial No. 176,440
2 Claims. (Cl. 132—46)

2. In a pin curl clip, a first clamping member including a bifurcated end and a finger grip

formed at the other end, said clamping member having a portion thereof intermediate the bifurcations curved rearwardly to form an annular bearing member upstruck from the member and disposed adjacent to the finger grip, a second clamping member formed from a single piece of resilient wire and including a first end coiled upon itself and journaled in the bearing member,



a finger grip projecting rearwardly from the coiled end and angularly overlying the finger grip of the first member, a clamping jaw projecting forwardly of the coiled end and having a triangular forward end overlying the bifurcated end of the first member and normally engaged therewith, said jaw having a rearward free end inserted within the coiled end to lock the second member in operative association with the first member.

2,577,453

METHOD OF TREATING TOBACCO AND TREATED PRODUCT

Ernest C. Crocker, Belmont, Mass., assignor, by mesne assignments, to Gustavus W. Dyer, Danville, Va.

No Drawing. Application June 7, 1945, Serial No. 598,203
2 Claims. (Cl. 131—17)

1. In the method of treating moisture containing tobacco, the step of treating said tobacco with a liquid ether selected from the group consisting of triglycol dichloride, dichlorodiisopropyl ether and dichlorodiethyl ether in a container during storage for a time sufficient to prevent infestation of said tobacco by insects.

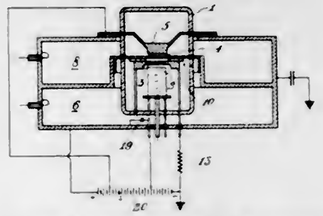
2. Encased moisture containing tobacco having therein liquid ether selected from the group consisting of triglycol dichloride, dichlorodiisopropyl ether and dichlorodiethyl ether.

2,577,454

CAVITY-RESONATOR TUBE AND ASSOCIATED CIRCUIT

Gesinus Diemer, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application July 25, 1947, Serial No. 763,681
In the Netherlands August 22, 1946
5 Claims. (Cl. 315—6)



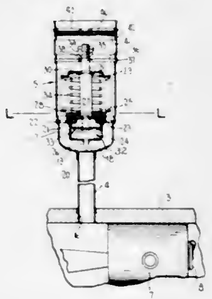
1. An ultra-high frequency transmission circuit comprising an electron discharge tube having in successive arrangement a cathode, a grid, an anode and a secondary-emission electrode, means providing a capacity between said grid and said anode whose impedance value is relatively low within a predetermined range of oscillations to effectively interconnect said grid and said anode, means connected to said grid to apply a negative bias to said grid, and means connected to said anode to apply a first positive potential to said anode and connected to said electrode to apply a second positive potential to said electrode, said first potential having a magnitude exceeding said second potential, and input means to supply oscillations to said grid.

2,577,455

PRESSURE REGULATOR

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 27, 1944, Serial No. 528,252
3 Claims. (Cl. 50—23)



1. A pressure limiting valve for controlling the inlet pressure to a compressor, comprising a cup-like casing having an outlet aperture through its end wall, a transverse supporting member in said casing and having a central aperture surrounded by flow ports, a cup-like bellows end wall member forming a dash pot housing and extending through and secured in said central aperture and having its base adjacent said outlet aperture, a metal bellows member having one end sealed to the rim of said wall member, a head plate member having its periphery sealed to the other end of said bellows member and having a central opening, a valve port plate member extending across said casing in spaced relation to said head plate member and having a central valve port, a valve stem secured and sealed in said head plate member central opening and having one end extending through said valve port and having its other end extending into said dash pot housing, a valve member secured on said one stem end and operable to close said valve port upon contraction of said bellows member, a piston in said dash pot and secured to said other stem end, liquid in said dash pot, a stop plate member in said casing and having an aperture for passage of said stem therethrough, a helical coil spring in said casing and surrounding said stem, said spring being held under compression between said stop plate member and said head plate member, said piston being engageable with said stop plate member to limit expansion of said bellows member by said spring.

2,577,456

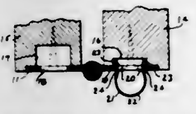
COMBINATION HINGE

John P. Doman, Los Angeles, Calif., assignor to Victor P. Doman, Los Angeles, Calif.

Application November 9, 1945, Serial No. 627,607
6 Claims. (Cl. 16—142)

6. A combination hinge as described, comprising a pair of pivoted butts, one of said butts having an aperture formed with a pair of lugs extending into said aperture and a resilient U-shaped check element secured to said butt and

formed with apertures to engage said lugs, said other butt having an aperture and said check



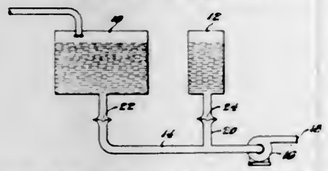
element being adapted to pass into and to resiliently engage the aperture of said other butt when one of said butts is rotated toward the other.

2,577,457

LIQUID MIXING APPARATUS

Howard G. Freeman, Worcester, Mass., assignor to Rockwood Sprinkler Company, a corporation of Massachusetts

Application October 6, 1948, Serial No. 52,991
1 Claim. (Cl. 169—15)



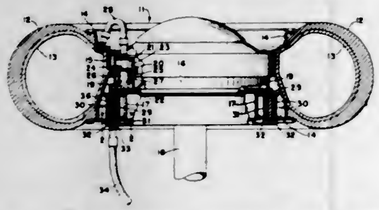
Portable fire extinguishing apparatus comprising a liquid discharge line, a pump in said line, and means both for supplying a plurality of liquids to said line and for maintaining the said liquids in substantially uniform proportions comprising a plurality of tanks each having a uniform cross-sectional area from top to bottom, the tanks being of cross-sections proportional to the desired proportion of fluids, connections from the tanks to the line on the inlet side of the pump, and orifice plates in the said connections, the orifice plates having orifices of sizes likewise proportional to the desired proportion of fluids, whereby operation of the pump to discharge liquid from the said line will draw proportionate amounts from the tanks regardless of rate of flow through the line or available head in the tanks after once starting with the head in the tanks substantially the same.

2,577,458

APPARATUS FOR REGULATING AIR PRESSURE IN AUTOMOBILE TIRES

Arnold L. Gaiptman, New York, N. Y.

Application October 24, 1947, Serial No. 781,894
1 Claim. (Cl. 152—416)



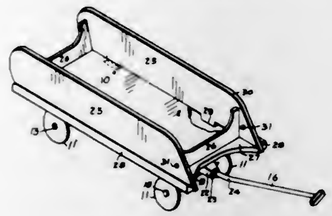
In an apparatus for controlling air pressure in automobile tires comprising an air compressor, tubular connections between the air compressor and the automobile tires, a pressure relief valve means having a manually adjustable air pressure indicator and a dial disposed in communication with said tubular connections, and annular air channels between the wheels and chassis of the automobile, valve chambers upon the wheels, the said valve chambers having inner and outer air compartments, air inlet valves and air pressure control valves in the valve chambers disposed between the said air inlet and outlet compartments, the said air inlet valves adapted to maintain the desired air pressure in the tires and the said air pressure control valves adapted to release any excessive air pressure from the tires.

2,577,459

CHILD'S CONVERTIBLE VEHICLE

Benjamin G. Gellenbeck, Tacoma, Wash.

Application February 24, 1948, Serial No. 10,497
4 Claims. (Cl. 280—8)



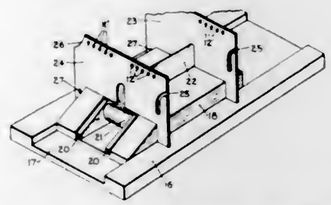
1. In a convertible vehicle, the combination of a wheeled platform and a removable frame member comprising a complete structure of side walls and cross braces and adapted to be removably secured to said wheeled platform in either of two inverted positions, and extending above the wheeled platform in one position and below said platform in the other position, said removable frame member being wider than said wheeled platform, and said side walls being deeper than said wheeled platform, whereby they form enclosing sled runners.

2,577,460

CARD SELECTING DEVICE

Lionel J. Gottschalk, New Orleans, La.

Application June 10, 1949, Serial No. 98,224
3 Claims. (Cl. 129—16.1)



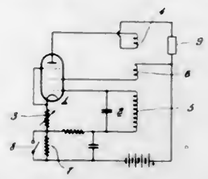
2. In a card selecting device, the combination of a base member, two spaced apart end members extending upwardly from said base member, the lower portions of said end members being cut out, a bar supported by said base member for sliding lengthwise through said cut out portions, a downwardly inclined magnet carried by the rear end of said bar, a plurality of magnetically attractive cards placeable between said end members for resting on said bar for successive contact by said magnet as said bar is slid to displace selected ones of said cards downwardly with relation to the other ones of said cards, and means associated with the latter cards whereby they resist such displacement.

2,577,461

ELECTRON DISCHARGE TUBE CIRCUIT ARRANGEMENT, INCLUDING SELECTIVE AND NONSELECTIVE NEGATIVE-FEEDBACK MEANS AND SELECTIVE POSITIVE-FEEDBACK MEANS

Johannes Anton Greefkes and Johannes Ensink, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application February 20, 1948, Serial No. 9,856
In the Netherlands March 4, 1947
7 Claims. (Cl. 250—36)



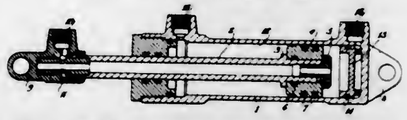
1. An electronic circuit arrangement comprising an electron discharge tube having a cathode, first and second grids and an anode, a resonant circuit coupled between said first grid and said cathode and tuned to a predetermined frequency, a selective positive-feedback path between said anode and said first grid, a selective negative-feedback path between said second grid and said first grid, said selective paths being operative at the frequency of said resonant circuit, and a negative-feedback impedance interposed between said cathode and said resonant circuit, said impedance being nonselective.

2,577,462

PRESSURE OPERATED MECHANISM

Stanley Hackney, Warrington, England, assignor to Electro-Hydraulics Limited, Warrington, England, a company of Great Britain

Application December 21, 1948, Serial No. 66,484
In Great Britain December 22, 1947
12 Claims. (Cl. 121—38)



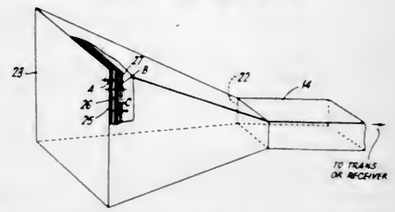
1. In a fluid pressure system for moving a member, a motor comprising cylinder means, a piston assembly element including a main piston and piston rod slidable in said cylinder means, and a floating piston element slidable within said cylinder means, said floating piston element sealing one portion of said cylinder means against communication with and thereby isolating it from other portions thereof; means connecting said motor to said member; two independent fluid pressure supply sources; and flow-control means including change-over selector mechanism for directing fluid to flow from a selected one of said sources into said cylinder means to act on a selected one of said elements for effecting a full stroke of said motor in either selected direction; the sealing of said isolated cylinder portion from the other of said cylinder portions causing flow of pressure fluid to said isolated cylinder portion to operate said floating piston to thereby effect such a stroke without such flow being communicated to said other portions of said cylinder means, whereby if said other portions of said cylinder means are in communication with a leak the pressure of fluid introduced into said isolated cylinder portion will not be diminished and said motor will be operated a full stroke by said floating piston irrespective of the leak.

2,577,463

DEVICE FOR TRANSMISSION AND RECEPTION OF VERY SHORT ELECTRICAL WAVES

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 17, 1944, Serial No. 535,951
1 Claim. (Cl. 250—33.63)



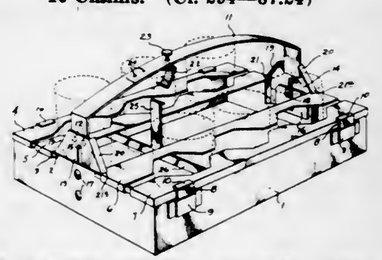
A closure for the open end of a radiant energy wave directive horn structure connected at the other end to a wave guide, said closure including a plurality of sheets of dielectric material completely covering said open end of said horn structure, said sheets having relatively large faces and narrow edges, the faces of said sheets being disposed in a plane perpendicular to the direction of propagation of the received or transmitted radiant energy waves, one of said sheets having a thickness in the direction of propagation of an integral multiple, including unity, of a half wavelength of a first frequency of said radiant energy, a second of said sheets having a thickness in the direction of propagation of an integral multiple, including unity, of a half wavelength of a second frequency higher than said first frequency, whereby energy having wavelengths of said first frequency and of said second frequency may be transmitted or received, and a third of said sheets having a thickness in the direction of propagation of an odd multiple, including unity, of one quarter wavelength of a third frequency higher than said second frequency whereby the transmission or reception of said third frequency is attenuated.

2,577,464

RELEASABLE ARTICLE CARRIER

Calvin E. Hutchison and William F. Spivey, Jr., Seaside, Oreg.

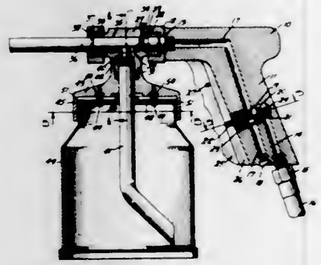
Application May 6, 1950, Serial No. 160,558
10 Claims. (Cl. 294—87.24)



1. A portable article carrier for releasably gripping an article to be carried therein, compris-

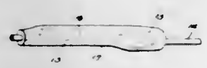
ing complementary movable and fixed article gripping jaws, a handle structure movable vertically and manually between a raised and a lowered position, cam and follower actuation means operatively connected to both said handle and said movable jaw to move the latter toward and away from said fixed jaw respectively to define a grip and a release position, said jaw grip and release positions corresponding respectively to said handle raised and lowered positions, and releasable latch means carried by said handle to latch said movable jaw in said release position when said handle is moved to said lowered position.

2,577,465
SANDBLAST GUN
Andy Jones, Edward J. Kessels, and Ferris A. Ruggles, Denver, Colo., assignors to Engineered Products, Inc., Denver, Colo.
Application October 7, 1949, Serial No. 120,024
4 Claims. (Cl. 51—8)



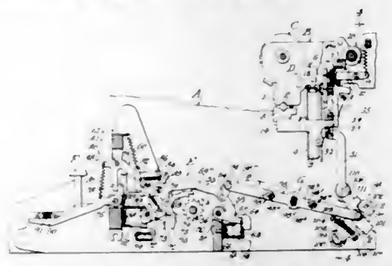
1. A construction for abrasive guns and fluid sprayers comprising: a T-fitting; two oppositely projecting and axially aligned threaded nipples formed on said T-fitting; a third threaded nipple projecting downwardly at right angles to the axis of the first nipples; a container mounted on the third nipple; a spray nozzle mounted on one of the first nipples; a valved air supply member mounted on the other of the first nipples; a suction tube extending downwardly from within the third nipple into said container; and an air jet member clamped between said air supply member and said T-fitting for projecting a jet of air into said spray nozzle.

2,577,466
METHOD OF JOINING LEADERS TO FISHHOOKS
Winfield W. Jones, Oceanville, N. J.
Application May 10, 1948, Serial No. 26,008
3 Claims. (Cl. 154—118)



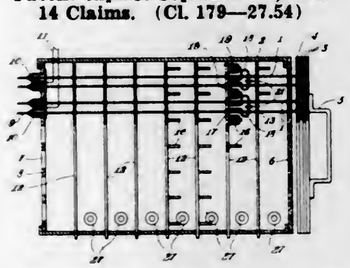
1. The method of joining a leader to a fish hook having an eye and a shank which method includes inserting through the eye of the fish hook an end of the leader, positioning the portion of the leader adjacent said end against the shank of the hook, encircling with a plastic sleeve the eye and the portion of the leader lying against the shank, and shrinking said sleeve adjacent its opposite ends about the leader and about the shank.

2,577,467
BACK SPACING MECHANISM OPERATING MEANS FOR TYPEWRITING OR LIKE MACHINES
John F. Kloski, Hartford, and William H. Kupper, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application September 13, 1949, Serial No. 115,542
9 Claims. (Cl. 197—91)



1. In power operating mechanism for a typewriter or like machine, a carriage back spacing mechanism; a driving member; an actuator; means including a cushioned motion-transmitting connection interposed between said actuator and said back spacing mechanism; an interponent mounted on said actuator for movements into and out of operative engagement with said driving member and being biased to move into engagement therewith; a trigger normally maintaining said interponent disengaged from said driving member; a manually operable back spacing control element; means responsive to depression of said element for actuating said trigger to release said interponent and enable it to move into engagement with said driving member, whereby said actuator will be driven by said driving member so as to operate said back spacing mechanism; and trigger re-setting means effective upon return movement of said element when said driving member is stationary for moving said trigger reversely to its releasing movement and thereby disengaging said interponent from said driving member.

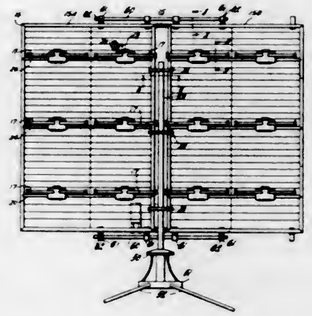
2,577,468
CROSS-BAR SWITCH FOR AUTOMATIC TELEPHONY
Gunnar Börge Knös, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 6, 1947, Serial No. 790,085
In the Netherlands September 4, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 4, 1966
14 Claims. (Cl. 179—27.54)



1. A cross-bar switch for automatic telephony comprising a planar grid constituted by a plurality of conductors disposed in spaced parallel

relation, said conductors acting as the passive contacts of said switch, a plurality of resilient wires arranged at spaced positions transversely with respect to said conductors, each of said wires being sinuously shaped to define a plurality of spaced bows, said bows acting as the active contacts of said switch, means fixedly to support each of said wires at points intermediate said bows, means normally maintaining said bows out of engagement with said conductors, and means coupled to said bows for rotating them into engagement with said conductors.

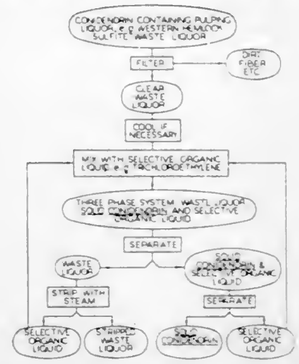
2,577,469
ANTENNA
George A. Kumpf, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 18, 1946, Serial No. 670,676
7 Claims. (Cl. 250—33.65)



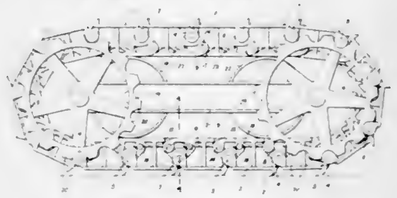
1. A portable high frequency antenna comprising a central tube, a plurality of spaced apertured support members secured to said central tube along the length thereof, a pair of half frames on opposite sides of said central tube and secured to said support members and pivotally movable in the apertures of said support members, a plurality of parallelly spaced supports secured to each of said half frames, means on said apertured support members to clamp said half frames, a plurality of dipoles each pivotally supported as a unit by a hinge connected to said parallelly spaced supports to permit folding, a plurality of support straps secured to each half frame, a movable metallic tube clamped by said support straps to top and bottom portions of said frames to retain them in the same operating plane.

2,577,470
PROCESS FOR THE SEPARATION OF CONIDENDRIN FROM LIQUORS CONTAINING THE SAME
Homer B. Lackey, Camas, Wash., assignor to Crown Zellerbach Corporation, Camas, Wash., a corporation of Nevada
Application April 18, 1949, Serial No. 88,186
14 Claims. (Cl. 260—344.6)

1. The process of separating conidendrin from conidendrin-containing liquors having a pH not substantially higher than pH 9.5, which comprises forming a mixture of the liquor with a selective organic liquid characterized by substantial insolubility in the conidendrin-containing liquor and by the ability to separate the conidendrin in the solid state, the selective organic liquid being used in amount sufficient to precipitate the conidendrin from the liquor but insufficient to dissolve a substantial amount of the conidendrin, and separating the solid conidendrin from the resulting mixture of liquor, conidendrin, and selective organic liquid.



2,577,471
SPROCKET AND ROLLER COMBINATION FOR TRUSSED TRACKS
Harry Y. Law, Merced, Calif.
Original application June 7, 1943, Serial No. 489,910, now Patent No. 2,426,032, dated August 19, 1947. Divided and this application June 9, 1947, Serial No. 753,537
4 Claims. (Cl. 305—8)

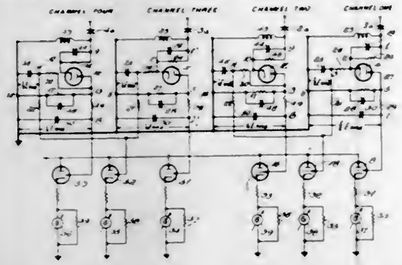


1. An endless track structure including end sprockets, an endless track unit extending about and between the sprockets and comprising a plurality of links of equal length and pivot pins connecting the links at adjacent ends; and idler rollers adajacent the sprockets mounted on the structure and engaging the links of the lower run of the unit when said lower run is tangent to the sprockets; the horizontal distance between the axis of each roller and that of the adjacent sprocket being equal to the length of a link.

2,577,472
CIRCUIT FOR MULTIPLE CHANNEL RECORDING GALVANOMETERS
William H. Lewis, State College, Pa., assignor, by mesne assignments, to The Pennsylvania Research Corporation, a corporation of Pennsylvania
Application July 14, 1948, Serial No. 38,725
4 Claims. (Cl. 171—95)

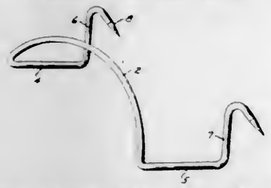
1. A system for controlling a multiplicity of galvanometers for recording adjacent light traces on film comprising a multiplicity of input circuit channels, a diode rectifier including a cathode and an anode individual to each of said channels, a multiplicity of electron tube amplifiers each including an anode, a control grid and a cathode, an output circuit individual to the anode and cathode of each of said amplifiers, a galvanom-

eter individual to each of said output circuits, a connection between the anode of the individual diode rectifiers and the control grid of the respective electron tube amplifiers, a circuit extending between the anode of one diode rectifier



in one of said channels and the cathode of the diode rectifier in the adjacent channel, a connection between said last mentioned circuit and the control grid of an additional electron tube amplifier, and a galvanometer connected with the output of said last mentioned amplifier.

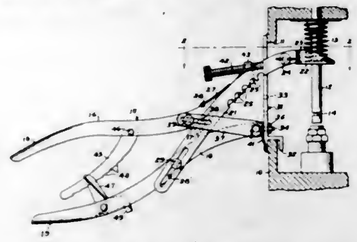
2,577,473
WIRE GARMENT HANGER
Norman S. McEwen, Fort Lauderdale, Fla.
Application May 3, 1948, Serial No. 24,830
1 Claim. (Cl. 211—106)



A garment hanger adapted to be hung on a wall surface, comprising a single strand of wire bent to form a garment receiving portion adapted for the reception of a coat, two spacing arms in the same plane, and two supporting legs, the garment receiving portion formed as a single arcuate bend extending upwardly and having a relatively large radius of curvature terminating in the spacing arms and providing a smooth even garment-contacting surface whereby no bulges will be formed in a garment hung thereon, the garment receiving portion disposed wholly in one plane, and the supporting legs disposed wholly in another plane and adapted to contact the wall surface when the hanger is in operative position, said planes substantially parallel to each other and separated by said spacing arms, said planes also parallel to the wall surface upon which the hanger is to be hung and at right angles to the plane of the spacing arms, each supporting leg terminating in a straight wall-penetrating end portion which is downwardly and angularly bent with respect to the main body portion of the supporting leg.

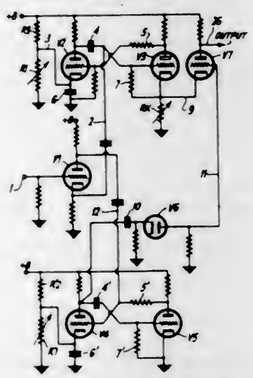
2,577,474
VALVE LIFTER
Roy G. Miller, Tacoma, Wash.
Application May 12, 1947, Serial No. 747,477
6 Claims. (Cl. 29—221)

2. A valve lifter adapted to be inserted through an opening in the block of an engine, said valve lifter comprising upper and lower lever arms pivotally interengaged intermediate their ends, link members interconnecting the lever arms and slidably engaging the same, one of the link members projecting outwardly a spaced distance from the upper lever arm and having thereon means for engaging a valve spring, and a support member pivotally connected to the forward terminal portion of the lower lever arm and engageable with the lower edge of the opening in the engine block,



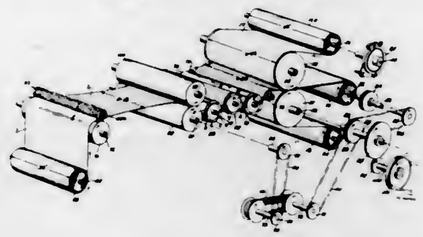
the support member having thereon a stem portion adapted to span the opening and to bear against the block adjacent the upper end of the opening, thereby positioning the spring engaging means precisely with respect to the valve spring, the link members and their connections with the lever arms providing movement in parallel planes of the spring engaging means and support member.

2,577,475
TRIGGER OPERATED PULSE AMPLITUDE SELECTOR
William A. Miller, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1948, Serial No. 23,417
7 Claims. (Cl. 250—27)



7. An amplitude selector system comprising first and second trigger circuits arranged to trip at different levels of waves applied thereto, a phase inverter circuit having an input electrode and a pair of output electrodes, a connection from one of said output electrodes to a tripping electrode of said first trigger circuit, a connection from the other output electrode of said pair to a tripping electrode of said second trigger circuit, means for supplying said input electrode with waves to be selected and whose amplitudes lie within limits corresponding to said different levels, an electron discharge device coupled to said first trigger circuit and biased to be ineffective during one condition of said first trigger circuit, said device being arranged to produce a useful output pulse during the other condition of said first trigger circuit, and means coupling said electron discharge device to said second trigger circuit for rendering said device ineffective upon the tripping of said second trigger circuit.

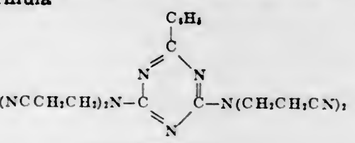
2,577,476
LAMINATED MATERIAL AND METHOD FOR MAKING THE SAME
Alvin Nashley, New York, N. Y.
Application January 28, 1948, Serial No. 4,891
16 Claims. (Cl. 154—124)



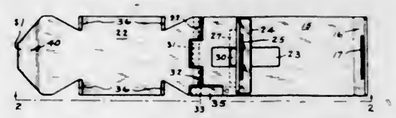
1. A method of producing a laminated material, which consists in stretching an elastic layer so as to increase its normal dimension in the direction of stretch and also to decrease its normal lateral dimension in a direction lateral to said direction of stretch to a reduced lateral dimension, also stretching said elastic layer laterally to increase said reduced lateral dimension to a greater lateral dimension, and then joining said stretched elastic layer to the adjacent faces of respective additional layers between which said elastic layer is located, and then releasing said elastic layer from tension.

2,577,477
TETRACYANOETHYL BENZOGUANAMINE
Warren D. Niederhauser, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 18, 1950, Serial No. 139,325
2 Claims. (Cl. 260—249.9)

1. Tetracyanoethyl benzoguanamine having the formula

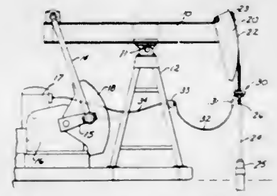


2,577,478
ICE CREEPER
Nils Albin Nordin, Anchorage, Territory of Alaska
Application March 28, 1950, Serial No. 152,424
3 Claims. (Cl. 36—61)



1. A folding ice creeper comprising a footplate positioned crosswise beneath the shank portion of a shoe; two spaced apart upstanding strap receiving brackets on said footplate extended upwardly along opposite sides of a shoe; strap means connected with said two upstanding brackets; a spike carrying plate having one end portion thereof hinged to one side of said footplate to selectively position said spike carrying plate between a position at right angles to the footplate and a position in face to face relation with the footplate; and a plurality of spikes of triangular shape integral with said spike carrying plate and perpendicular to said spike carrying plate and positioned along lateral edges of said spike carrying plate.

2,577,479
SAFETY DEVICE FOR POLISH ROD MOUNTINGS OF DEEP WELL PUMPS
George E. Owen, Downey, and Harris L. Brendt, Long Beach, Calif.
Application May 24, 1948, Serial No. 28,886
7 Claims. (Cl. 192—116.5)

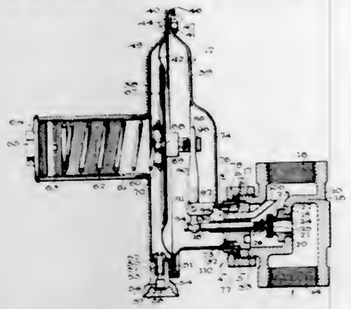


1. In a safety combination: a weighted device; spaced, twisted strand cables supporting said weighted device; plural cable engaging means respectively secured to said cables; arm means extending respectively from said cable engaging means in spaced relation; plural tension means mounted on said weighted device, and respectively engaging extending portions of the respective arm means, and maintained in normal tension by weight stresses on said cables when the cables are in normal condition and acting to twist said cables into distorted condition under other conditions, said tension means being opposing spring means having mountings positioning them on said weighted device and on said extending portions of said arm means, said spring means serving to produce relative distortion of said cables in the event of breakage of strands of said cables; relatively movable controlling means operatively connected with said arm means and tension means for actuation upon relative cable distortion; and a control device carried by said relatively movable controlling means for control of a power mechanism operating said weighted device, said control device being energizable through movement of said relatively movable controlling means upon development of said relative cable distortion.

2,577,480
GAS SERVICE PRESSURE REGULATOR
Charles D. Peterson, Dallas, Tex., assignor to Universal Controls Corporation, Dallas, Tex., a corporation of Texas
Application March 27, 1947, Serial No. 737,656
17 Claims. (Cl. 50—26)

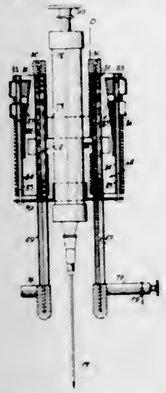
1. A gas service pressure regulator comprising in combination, a valve body having opposed inlet and discharge ports, a circular diaphragm extending in a plane parallel to the axis of said ports and adapted to be vertical under all conditions of valve body mounting, a lower diaphragm case and an upper diaphragm case together clamping the edges of said diaphragm, a single, edge-positioned drain and breather on the upper

case and operable fully only when positioned at the bottom of the upper case, cooperating necks on the valve body and the lower diaphragm case meeting in a plane parallel to the diaphragm, and



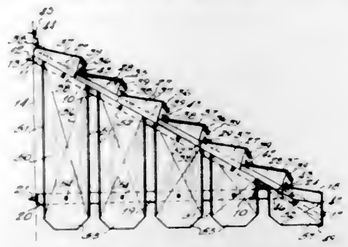
a union connecting said necks whereby the valve body can be positioned for gas flow in any of a plurality of directions in a vertical plane while the diaphragm remains vertical and the drain is at the bottom.

2,577,481
SURGICAL INJECTION APPARATUS
Alojzy Piechaczek, Glasgow, Scotland
Application February 2, 1950, Serial No. 141,969
In Great Britain February 19, 1949
12 Claims. (Cl. 128—218)



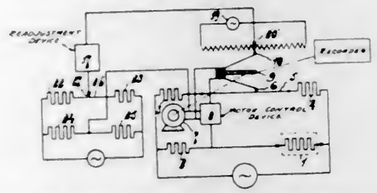
1. Surgical injection apparatus comprising a base plate adapted for attachment to the limb of a patient, a syringe holder in the form of a pair of parallel interconnected frame members spaced apart, parallel guide members extending one from each of said frame members, means for detachably attaching said guide members to said base plate, a syringe-supporting cradle mounted for sliding movement on said guide members, means mounted on said frame members for retaining a syringe in a supported position in said cradle, spring means arranged to urge said cradle outwards away from said frame members, finger-operable detent means for releasably retaining said cradle in a fully retracted position, additional finger-operable detent means for releasably retaining said cradle in a partially retracted position, and a separate needle guide detachably carried on the base plate and positioned thereon to receive and guide the needle of a syringe supported in said cradle during movement of said cradle towards or away from its fully retracted or partially retracted positions.

2,577,482
AWNING STRUCTURE
Felbert A. Ray, Stephenville, Tex.
Application August 6, 1948, Serial No. 42,840
2 Claims. (Cl. 20—57.5)



2. In a metal awning, in combination with a pair of inclined frame members having means for attachment at their upper ends to a wall, an upturned flange formed along each side of each of said frame members defining channels therealong, a series of longitudinally over-lapping strips arranged transversely of said frame members and spaced therefrom at each end, each of said strips being formed along its rear edge with an upwardly extending flange and having a downwardly inclined flange along its forward edge, and mounting brackets for the ends of said strips providing rigid connection therefor with said frame members, each having a flange formed thereon extending into said channels on alternate sides of said frame members.

2,577,483
SELF-COMPENSATING MEASURING BRIDGE CIRCUIT HAVING AUTOMATIC CONTROL AND/OR ALARM
Hermanus Joannes Roosdorp, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 1, 1947, Serial No. 725,776
In the Netherlands February 2, 1946
6 Claims. (Cl. 171—95)



1. A self-compensating measuring system comprising a measuring bridge circuit constituted by first and second parallel branches, the value of the first branch varying in accordance with the magnitude to be measured, the second branch having a movable contact therein to balance the bridge circuit, means to apply an energizing voltage as an input across said branches, means to derive an output voltage from said measuring bridge circuit between a fixed point in said first branch and said movable contact in said second branch, a control mechanism responsive to a voltage proportional to said output voltage and arranged to shift said contact to a position in said second branch establishing bridge balance for the magnitude being measured whereby the relative position of said contact provides an index to said magnitude, a readjustment device to be actuated when said contact passes beyond a predetermined position in said second branch, and means for actuating said device comprising means to develop a control voltage in accordance with the discrepancy between said predetermined position and the position assumed by said contact in said second branch, an auxiliary bridge circuit having input terminals connected to an energizing voltage source and output terminals, means to apply the voltage developed across said output terminals in series with said control voltage to said readjustment device, and means to disturb the equilibrium of said auxiliary bridge circuit to an extent in accordance with the degree of unbalance of said measuring bridge circuit beyond said predetermined position.

2,577,484
PROCESS FOR PRODUCING STABLE SILICA SOLS
Joseph M. Rule, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 8, 1950, Serial No. 183,901
13 Claims. (Cl. 252—313)

1. In a process for producing stable silica sols, the steps comprising preparing a substantially salt-free sol of active silica, the sol having a specific conductance, as measured at 2% SiO_2 and 28° C., of not more than 17×10^{-5} mho/cm., adding a suitable amount of a base having a monovalent cation to adjust the pH to between 6 and 9, heating the adjusted sol above 60° C. to form a heel, adding to the heel an additional quantity of a substantially salt-free sol of active silica while maintaining the pH in the range from 7.5 to 10.7, the amount of silica added being at least equal to that originally present, and heating the combined sols above 60° C., whereby build-up of the added silica upon that present in the heel is effected to give a sol product stable against gelation, total alkali additions being adjusted so that the product has an SiO_2:M_2O ratio of 130:1 to 500:1, and concentrating the silica sol obtained to a silica concentration of not more than 45% by weight of SiO_2.

2,577,485
PROCESS OF MAKING STABLE SILICA SOLS AND RESULTING COMPOSITION
Joseph M. Rule, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 8, 1950, Serial No. 183,902
22 Claims. (Cl. 252—313)

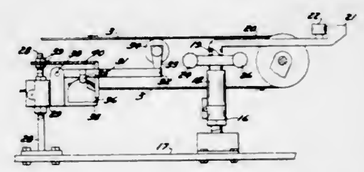
1. In a process for producing a stable silica sol, the step comprising adding an alkali metal hydroxide to a silica sol containing amorphous silica particles which are dense, non-agglomerrated, spherical, and have an average diameter of 10 to 130 millimicrons, the sol having a concentration of up to 50% by weight of SiO_2, a relative viscosity, as measured at 10% SiO_2 and pH 10, of 1.15 to 1.55 and a specific conductance, as measured at 10% SiO_2 and 28° C., of less than 4×10^{-4} mho/cm., the amount of hydroxide added being enough to adjust the silica : alkali metal oxide mole ratio to from 130:1 to 500:1.

12. An aqueous silica sol having a concentration of up to 50% by weight of SiO_2, a silica : alkali metal oxide mole ratio of from 130:1 to 500:1, a relative viscosity of from 1.15 to 1.55 as measured at 10% SiO_2 and pH 10, and a specific conductance, as measured at 10% SiO_2 and 28° C., of less than

$$\left(\frac{10{,}000}{R}+30\right)\times10^{-5}\ \text{mho/cm.}$$

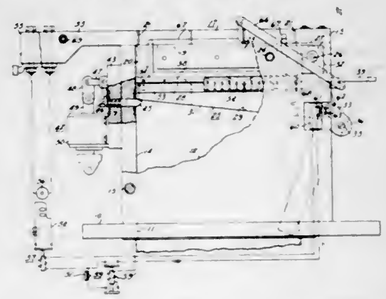
where R is the silica : alkali metal oxide mole ratio, and containing amorphous silica in the form of dense, non-agglomerated, spherical particles having an average particle diameter of 10 to 130 millimicrons.

2,577,486
RESILIENT WORK SUPPORT FOR GLASS MARKING OR CUTTING MACHINES
Franz G. Schwalbe, Toledo, Ohio, assignor to Toledo Engineering Company Inc., Toledo, Ohio, a corporation of Ohio
Application April 4, 1949, Serial No. 85,279
3 Claims. (Cl. 49—48)



2. For control of stock at a work station of a stock length marking device, a handling machine for the stock, said machine having a lineal section adjacent the work station of the stock marking device, said station including a transverse thrust marking device and a conveyor, equalizer arms directing stock centrally of the conveyor, a roller against the opposite side of the conveyor from the stock, and mounting means for the roller embodying an air-bag cushion yieldably directing the roller to hold the conveyor for positioning the stock against the marking device.

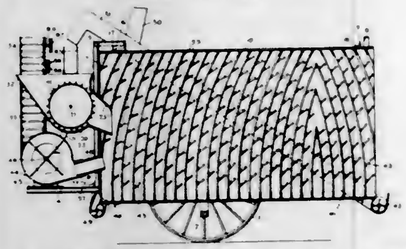
2,577,487
COMBINED INDUCTOR AND WORK-SUPPORTING MEANS
Rudolph M. Serota, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 5, 1949, Serial No. 74,784
4 Claims. (Cl. 219—47)



1. A current-carrying coil for inductively heating a workpiece, comprising first and second planar conductors having relatively parallel side portions depending therefrom, a third planar conductor having a plurality of contact surfaces, said third conductor being movable toward and away from said first and second conductors,

means for effecting engagement of said third conductor with said first and second conductors upon movement of said third conductor toward said first and second conductors including a plurality of depending contact fingers connected to each of said portions for electric engagement with said contact surfaces upon movement of said third conductor toward said first and second conductors and including means for retaining said third conductor in engagement with said first and second conductors, insulator means carried by said third conductor for releasably supporting said workpiece in heating position within said coil, and releasable means for effecting withdrawal of said third conductor from engagement with said first and second conductors to release and drop said workpiece from said coil.

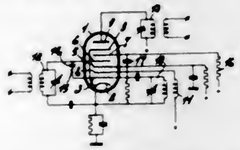
2,577,488
GRAIN SEPARATING DRUM
Isaac L. Stephenson, Darrouzett, Tex.
Application November 24, 1947, Serial No. 787,710
7 Claims. (Cl. 209—152)



1. A grain separator including an elongated cylindrical imperforate rotatable drum, means for feeding thrashed grain into the drum at the front end thereof, a discharge outlet for separated grain at the front thrashed grain inlet end of the drum, an outlet for straw and tailings at the rear end of the drum, means on the interior of the drum for conveying separated grain to the discharge outlet at the front thrashed grain inlet end thereof, inwardly projecting fingers on the interior of the drum adapted in the rotation of the drum to pick up the straw and carry it upwardly to the upper part of the drum and then letting it fall, and means for producing an air blast through the drum from the front thrashed grain inlet end thereof, the air blast carrying the straw rearwardly in the drum through the outlet at the rear end thereof, and the separated grain as it is carried forwardly toward the thrashed grain inlet end of the drum being subjected to the cleaning action of the air blast.

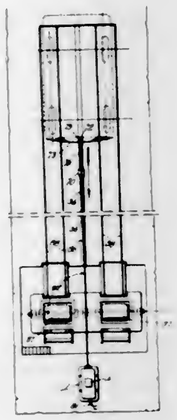
2,577,489
MIXING CIRCUIT EMPLOYING COMPENSATION FOR ELECTRON STREAM INDUCTION EFFECT
Maximiliaan Julius Otto Strutt, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 14, 1947, Serial No. 728,707
In Belgium November 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1964
6 Claims. (Cl. 250—20)

1. An electrical circuit arrangement for mixing a first wave and a second wave to produce an intermediate frequency wave, comprising an electron discharge tube having in the order named a cathode, a first control grid electrode, a second control grid electrode, a screen grid electrode and an anode and having a further electrode, a capacitive element coupled between said control grid electrodes, means to apply said first wave to one of said control grid electrodes, oscillator means comprising the other of said control



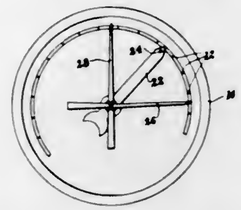
grid electrodes and said further electrode for generating said second wave, an impedance element coupled to said screen grid electrode, a reactance element interconnecting the junction of said screen grid electrode and said impedance element to one of said electrodes of said oscillator means, and an output circuit coupled to said anode.

2,577,490
STEERING PILOT
George H. Taber, Elmira, N. Y.
Application July 14, 1948, Serial No. 38,697
19 Claims. (Cl. 33—1)



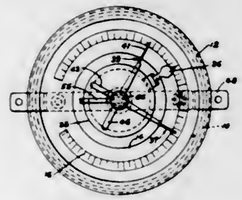
1. A stationary steering pilot for use on a service correction floor and including an extensible laterally swingable member and having a fixed central axis for the laterally swingable member, said member extending forwardly from said axis and actuated by lateral movements of a steered motor vehicle connected with said member in moving toward and from said central axis, indicating means located adjacent said central axis and comprising an upright pointer pivotally mounted for oscillatory movement on a horizontal axis located in the vertical plane of the laterally swingable member when the latter is in a central position, said pointer being of a size to be observed by the operator of the vehicle when the swingable member is in its extended position, and means actuated by the lateral swinging of said member for operating the indicating means to indicate angularity of the extensible member in steering the vehicle in a straight line course toward said axis to enable the operator to steer a vehicle in a substantially straight line to a desired position on said correction floor.

2,577,491
MEASURING INSTRUMENT WITH REGISTERING MEANS
Howard W. Teter, Wellesley, Mass.
Application February 17, 1947, Serial No. 728,970
2 Claims. (Cl. 116—129)



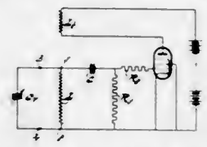
1. A measuring instrument comprising a casing, a moving system having a main indicating pointer embodying a push member extending angularly therefrom, a shaft separate from said pointer, a supporting member supported by said casing in which said shaft is fixedly mounted, a maximum registering arm and a minimum registering arm at opposite sides of said pointer push member and rotatably mounted on said shaft, said two arms being so positioned that they are in a path of movement of said push member on said pointer, a resetting member rotatably mounted on said casing and spaced from said shaft and embodying a push finger extending angularly therefrom and so positioned that it is adapted upon movement thereof to move into contact with and move either of said arms.

2,577,492
MEASURING INSTRUMENT, INCLUDING REGISTERING MEANS
Howard W. Teter, Wellesley, Mass.
Application July 3, 1948, Serial No. 36,936
4 Claims. (Cl. 116—129)



1. A measuring instrument including a moving system having a main indicating pointer embodying a push member extending angularly therefrom, a shaft separate from said pointer having an enlarged portion, a supporting member in which said shaft is fixed, a registering arm embodying two rear portions shaped to form a loop, and each said rear portion having a hole therein, said shaft extending through said rear portion holes with said rear portions bearing against said enlarged portion and supporting member and said shaft in frictional engagement therewith and being rotatable on said shaft when pressure is applied to said registering arm, said arm being so positioned that it is in a path of movement of said pointer push member.

2,577,493
ELECTRIC MUSICAL INSTRUMENT
Bernardus Willem van Ingen Schenau, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 20, 1946, Serial No. 685,197
In the Netherlands December 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 23, 1963
3 Claims. (Cl. 84—1.19)

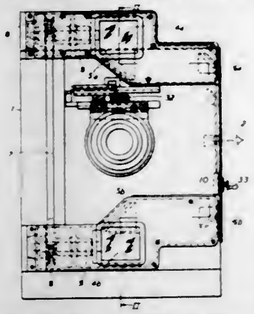


1. In an electrical musical instrument playable by keys and adapted to generate simultaneously a predetermined number of tones, the combination comprising a plurality of electronic oscillators whose number corresponds to said predetermined number, each oscillator being provided with a like inductor forming one element in a parallel-resonant circuit, the inductors of said oscillators having one end thereof interconnected, a like plurality of identical switching systems each constituted by a chain of serially-connected switches having a fixed contact and a movable contact normally engaging said fixed contact, the movable contact of each switch in the chain being connected to the fixed contact in the succeeding switch, the fixed contact of the first switch in the chain being connected to the other end of a respective inductor and the movable contact of the last switch in the chain being connected to the interconnection of said inductors, a multiplicity of identical groups of condensers, said multiplicity being equal in number to the number of switches constituting said chain, the condensers forming each group having substantially different values and being equal in number to said predetermined number, the condensers of the different groups having progressively different values, the corresponding condensers of said groups being connected between respective fixed contacts in the chain of switches in one of said systems and said interconnection, and means operatively coupling corresponding switches of said systems to a respective key of said instrument, the corresponding switches being banked whereby the operation of said key caused the movable contacts of each of said switches to engage the fixed contact of the succeeding switch in the bank excepting for the movable contact of the last switch which is disengaged.

2,577,494
AUTOMATICALLY FOCUSING CAMERA, WITH SPECIAL REFERENCE TO CINEMA CAMERAS
Charles Vinten and Ivor Joseph Dunningham, London, England
Application August 1, 1947, Serial No. 765,410
In Great Britain May 13, 1947
4 Claims. (Cl. 95—44)

1. A cinematograph camera having a casing and an objective lens system, in combination with a rangefinder comprising two reflecting surfaces located forward of the camera objective at opposite ends of a rangefinder base line which is perpendicular to the optical axis of said objective, said reflecting surfaces being equispaced from said optical axis and both being rotatable, each

about an axis perpendicular to the plane containing said base line and said optical axis, means for effecting simultaneous rotary adjustment of both said reflecting surfaces in opposite senses, means for moving said objective lens system to focussing position, mechanical means connecting said adjusting means and said lens moving means for simultaneous co-related operation, a viewing de-



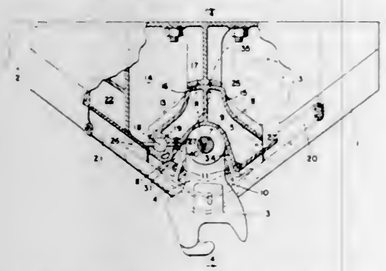
vice mounted forward of said objective and viewable from the side of the camera, optical means for projecting into said viewing device images originating from both said reflecting surfaces, manually operable means mounted in the side wall of the said camera casing adjacent to said viewing device, and mechanical connecting means between said manually operable means and said reflecting surface adjusting means.

2,577,495

LOCOMOTIVE PILOT AND COUPLER THEREFOR

Harry H. Wolfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio

Application October 16, 1947, Serial No. 780,227
11 Claims. (Cl. 213—6)



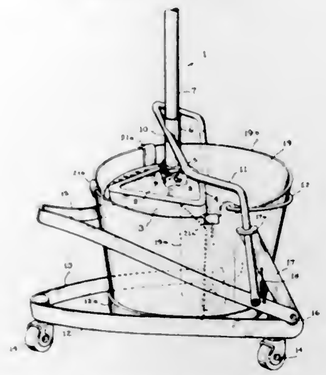
11. In a coupler and pilot organization for a locomotive, a coupler including a shank, a pilot structure, means including a vertically disposed pivot pin connecting the coupler shank to the pilot structure so that the coupler may turn about the axis of said pivot pin, a door structure abutting a rear end of the coupler shank and mounted to turn about the axis of said pivot pin with the coupler, a projection carried by the door structure arranged substantially diametrically opposite the coupler shank, an end face on said projection convex in horizontal section, a concave fixed buffing surface carried by the pilot structure generated about a vertical axis offset from the center of said pivot pin to one side of a longitudinal center of the pilot structure whereby the end face on said projection is urged into positive engagement with said buffing surface when the coupler and the door structure turn about the axis of said pivot pin to an operative position of the coupler to thereby relieve the pivot pin of buffing forces applied to the coupler.

2,577,496

MOPPING APPARATUS

Duane C. Wolfer, Vanport City, Oreg., assignor of one-half to E. S. Hokanson, McMinnville, Oreg.

Application September 3, 1946, Serial No. 694,613
1 Claim. (Cl. 15—260)



A floor mop squeezing apparatus, comprising a wheel mounted support carrying an open-mouthed bucket supporting frame, an elongated V-shaped lever pivotally connected at the ends thereof to said wheel mounted support, said lever straddling said bucket frame and being fulcrumed upon said wheel mounted support in overlying position for manual depression toward said support, an integral U-shaped bail member pivotally joined at the ends thereof to said lever for depression therewith, a pair of spaced guide members carried by said wheel mounted support and extending upwardly therefrom, each said guide member terminating in an aperture through which one leg of said U-shaped bail member slidably is threaded to guide the bail during said manual depression, a tension spring means fixed to each said guide and to the side of said lever companion thereto to bias said lever against said manual depression, a bucket removably seated in said open-mouthed frame and carrying a mop support with a mop seated therein, said mop having a mop head lying below the plane of the top of said bucket and pivotally joined to one end of a mop handle, and a cupped recess in said mop handle intermediate the ends thereof, said U-shaped bail member overlying said mop head and being complementary to and removably seated in said recess to apply squeezing force to said mop head during said manual depression against the force of said spring bias.

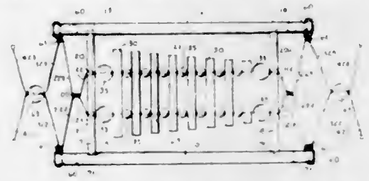
2,577,497

MUSICAL PLAY PEN TOY

Sam Zuckerman, Arverne, N. Y., assignor to Ever-Rite Toy Co., Inc., New York, N. Y., a corporation of New York

Application August 10, 1946, Serial No. 689,677
1 Claim. (Cl. 84—403)

A musical xylophone toy comprising a frame, a pair of strings supported by said frame, a plurality of spaced chimes supported by said strings and spaced thereby from said frame; pairs of alined transverse openings in said chimes; said strings passing through the transverse openings in said chimes; each string passing through alined openings, spacers supported on said strings between said chimes; transverse openings through said spacers; said strings passing through the openings of said spacers, support



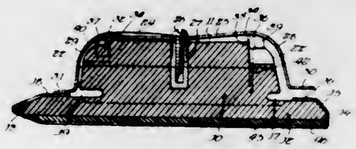
feet removably mounted in said frame; additional transverse openings in said frame, said strings being slidably mounted in said last-mentioned openings; the ends of the strings on each side being looped together; and additional means securing said ends of said strings together.

2,577,498

SANDING AND BUFFING TOOL

Earl C. Applegate, Chicago, Ill.

Application January 5, 1949, Serial No. 69,355
9 Claims. (Cl. 51—187)



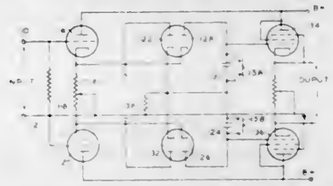
1. An abrasive or holding tool comprising in combination a body member having a hand hold portion and base portion of greater length than the hand hold portion whereby shelf portions are formed on the top of the said base portion, a spring clamping member secured to the body portion intermediate its ends and adapted to engage against the shelf portion of the base member and jack levers on said body member whereby the spring member may be raised at each of its ends and held in raised position the said body member having recesses therein for the reception of the said jack levers.

2,577,499

PULSE MEASURING DEVICE

Wilmer C. Anderson, Douglaston, N. Y., assignor to the United States of America as represented by the Secretary of War

Application July 9, 1945, Serial No. 604,067
7 Claims. (Cl. 250—27)



1. An apparatus adapted to operate in conjunction with a pulse source for measuring the amplitude of applied unidirectional pulses of positive or negative polarity, comprising a plurality of pairs of cathode follower means, balancing means connected in the output circuit of each pair of cathode follower means, respectively, for adjusting the outputs of the cathode followers of each pair to the same quiescent value, polarity discriminating means connected to the input circuit of a first pair of said cathode follower means for impressing pulses of positive polarity from the pulse source to one cathode follower of said first pair and pulses of negative polarity to the other cathode follower of said first pair, electrical energy storage means connected in the output circuit of each pair of cathode follower means, and rectifier means in series with each storage means with the anode thereof directly connected to the storage means to provide a plurality of pulse-retaining circuits each responsive to the difference in the outputs of the pair of cathode follower means preceding said pulse-retaining circuit, a plurality of pairs of amplifier means each of which has its input circuit coupled to the output circuit of the preceding cathode follower means so as to be cascaded alternately with said cathode follower means, one of each pair of amplifier means being driven by the output of the preceding cathode follower means, the other of said amplifier means being coupled to the preceding pulse-retaining circuit so as to be driven by the output thereof, the outputs of said amplifier means being applied to drive the next succeeding cathode follower means, and a plurality of second balancing means for adjusting each of the outputs of said amplifier means to the same quiescent value.

2,577,500

ABSORBING MEANS FOR DELAY LINES

David L. Arenberg, Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application April 2, 1946, Serial No. 659,111
10 Claims. (Cl. 178—44)

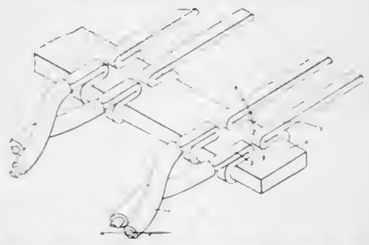
1. In combination with a fused quartz medium through which supersonic waves pass, a glass terminating means tapered down to a point and curved in a pigtail-like manner.

2,577,501

ELECTRIC IGNITER FOR USE IN ELECTRIC INITIATING DEVICES

Donald George Ashcroft, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

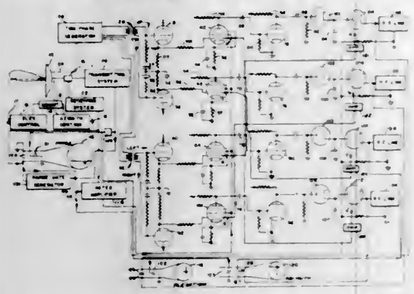
Application April 6, 1948, Serial No. 19,356
In Great Britain April 14, 1947
14 Claims. (Cl. 102—28)



1. An electric igniter wherein the pole pieces are constituted by the bared ends of insulated leading wires extending beyond a spacing element consisting of a strip of electrically non-conducting compressible material characterised in that a portion of each of the said wires is in the form of an open loop in contact with at least the two faces and the four corners of the said strip, with

the end portions of the loops on the same face of the strip and each end portion bent over on itself against said face.

2,577,502
DIRECTIONAL RADAR SYSTEM
Kenneth T. Bainbridge, Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 19, 1945, Serial No. 623,407
7 Claims. (Cl. 343—11)

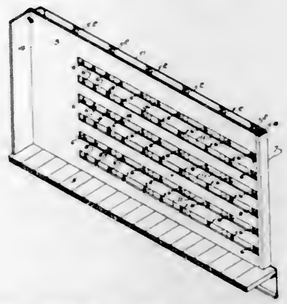


1. In combination, means for transmitting a directive beam of electromagnetic pulses, means for rotating said beam about an axis, means for orienting said axis, means for receiving echo pulses from surrounding reflecting objects, generator means responsive to the rotation of said beam for generating two sinusoidal voltages in quadrature with respect to each other, squaring means connected to said generator means for producing from said sinusoidal voltages a plurality of gate voltages, and at least one selector means operatively controlled by said squaring means to select from the entire series of echo pulses returned by a single selected target a group of pulses which occur during a given portion of the cycle of rotation of said beam, means including a storage capacitor connected to said selector means for utilizing said group of pulses to charge said storage capacitor, a plurality of cathode ray indicating means, means for discharging said storage capacitor periodically at the end of said portion of the cycle through a pulse forming line and means applying the resulting voltage pulse to one of said indicating means, to indicate a component displacement of said selected target from said axis.

2,577,503
DETERGENT COMPOSITION
William Baird, Edryd Gwylfa Parry, and Thomas Edward Thompson, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 6, 1947, Serial No. 746,320. In Great Britain May 6, 1946
5 Claims. (Cl. 252—152)

1. A detergent composition which consists essentially of a β-monohydroxy-ethylamide of a fatty acid of from 12 to 20 carbon atoms mixed with at least 10% by weight of an ethylene oxide condensation product of a fatty compound selected from the group consisting of fatty alcohols and fatty acids, said ethylene oxide condensation product having the formula $RX(CH_2CH_2O)_nY$ wherein R is an aliphatic radical of from 12 to 22 carbon atoms, X is a divalent radical selected from the group consisting of —COO— and —O—, Y is selected from the group consisting of hydrogen and alkyl of up to 5 carbon atoms and n is a whole number from 4 to 30.

2,577,504
LOAD RETAINER
Harold Dale Barber, Shaker Heights, Ohio
Application February 15, 1947, Serial No. 728,873
3 Claims. (Cl. 105—369)



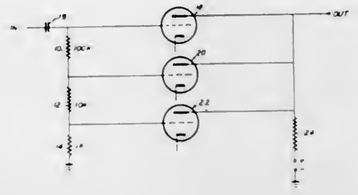
1. The combination with a vehicle having opposed side walls, of elongated channel members of U-shaped cross-section secured within said walls and disposed in spaced substantially parallel relation, said channel members opening outwardly of the car interior, and a plurality of U-shaped tie bars carried by each of said channel members and accessible from within the vehicle whereby a tie member such as a rope or strap may be secured to selected tie bars on said opposed walls and tensioned against a load therebetween, said U-shaped channels having openings in their base portion for receiving the arms of said U-shaped tie bars, said arms being welded near their ends to said channel base, some of said tie bars being disposed in a vertical direction.

2,577,505
PREPARATION OF DI-TERTIARY BUTYL QUINONE
Gerald R. Barrett, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 1, 1950, Serial No. 171,763
9 Claims. (Cl. 260—396)

1. The method of preparing 2,5 di-tertiary butyl quinone which comprises dissolving 2,5 ditertiary butyl hydroquinone in a water-miscible organic solvent, while heating the mixture, adding concentrated nitric acid to the resulting solution in an amount at least sufficient to provide substantially complete oxidation of said hydroquinone, cooling the reaction mass to produce crystals, and separating the crystals from the reaction mass.

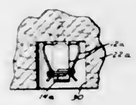
2,577,506
AMPLIFIER
Logan M. Belleville, Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,035
7 Claims. (Cl. 250—20)

2. An electrical circuit for transforming an input signal into an output signal substantially proportional to the logarithm of said input signal comprising means for transforming said input signal into a plurality of successively smaller signals whose values are substantially proportional to a geometric progression having a quotient which is less than unity at a corresponding plurality of terminals on said means, said transforming means comprising signal translating elements connected in an operative series, the translation of the signal by each of said elements being dependent upon the translation by the respective preceding element; a corresponding plu-



rality of saturable electrical networks having their input circuits connected to the respective terminals of said means, said networks reaching respective successive saturations at a common voltage with respect to a common point of reference potential on said means in response to an increase of said input signal when the input voltage is increased in the manner of said geometric progression, and a common load circuit in parallel with the output circuits of all of said networks.

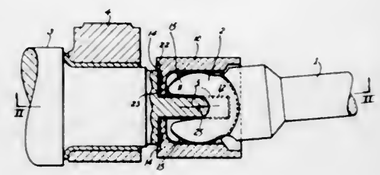
2,577,507
CATCH
Dale W. Bergdorf, Barberton, Ohio
Application July 15, 1949, Serial No. 104,995
4 Claims. (Cl. 292—17)



3. In a catch or the like, a base plate, a plurality of fingers positioned by said base plate and extending upwardly with relation thereto, said fingers being outwardly flared at their ends, and a spring ring having more than one complete turn with each turn engaging all of the outer surfaces of said fingers adjacent the ends thereof whereby said spring ring resiliently restrains said fingers from separating movement.

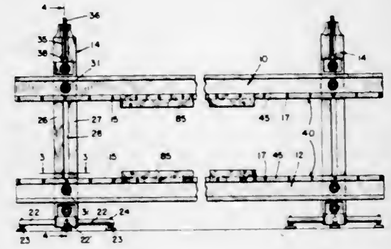
2,577,508
UNIVERSAL COUPLING
Florence C. Biggert, Jr., Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 6, 1947, Serial No. 784,390
2 Claims. (Cl. 64—8)

1. A universal coupling comprising a driving and a driven member having adjacent ends each of which is provided with a flat-faced tongue whose outer end is centrally bifurcated, the tongue of one member being perpendicular to that of the other, and the bifurcated portion of each tongue embracing the unbifurcated portion of the other, and an annular coupling box provided interiorly with a cruciform aperture within which said tongues and their bifurcated ends lie, each end of the coupling box being provided with



transverse walls that overhang the outer ends of the bifurcations of one of said tongues, the exteriors of said walls and portions of said driving and driven members adjacent thereto being provided with cooperating curved faces for maintaining said box in operative position on said tongues.

2,577,509
UNIVERSAL PANEL MASTERING FIXTURE
Leland A. Bryant, Beverly Hills, Calif.
Application November 21, 1947, Serial No. 787,297
2 Claims. (Cl. 29—286)



2. In a universal fixture, a pair of upright columns, each of said columns having a vertically extending flat accurate guide face, a pair of elongated length defining members each having a longitudinally extending working face and a longitudinally extending flat guide surface at right angles thereto, said latter guide surfaces having abutting engagement with the guide faces of said columns, means for adjustably securing said members to said columns in parallel relation with said working faces opposed, said working faces each comprising an inner pair of longitudinally extending flat-surfaced lands, an outer pair of longitudinally extending flat-surfaced lands and a slot intermediate said inner pair of lands, longitudinally extending vertical surfaces on each of said length defining members at right angles to said working faces having reference holes evenly spaced therealong, a locator fitting having a locator hole, said locator fitting being mounted on the working face of one of said length defining members, said locator fitting having an accurate flat face resting on the lands of said working face and an accurate flat guide surface in abutting engagement with the longitudinally extending flat guide surface of said

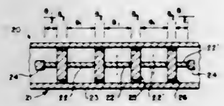
length defining member for squaring the fitting relative to the length defining member, means cooperating with said locator hole in the fitting and said reference holes in the length defining member for properly positioning the fitting, and means adjustably mounted in the slot intermediate the inner pair of lands for securing said fitting to said length defining member.

2,577,510

MICROWAVE FILTER

Seymour B. Cohn, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War

Application April 2, 1946, Serial No. 658,939
1 Claim. (Cl. 178—44)



A low-pass filter of the coaxial type for use within the microwave range of frequencies of electromagnetic energy comprising: concentric inner and outer conductors insulated from each other; said outer conductor being of uniform diameter; said inner conductor comprising alternate sections having respectively first and second diameters; said second diameter being larger than said first diameter; sections of said inner conductor of like diameter having equal axial lengths, whereby the sections of said inner conductor having said first diameter and sections of said outer conductor adjacent thereto form high characteristic impedance portions of said filter and the sections of said inner conductor having said second diameter and sections of said outer conductor adjacent thereto form low characteristic impedance portions of said filter; the axial lengths and diameters of the components of said high and low characteristic impedance portions having dimensions defined in accordance with the following formulae:

$$\frac{Z_{01}}{Z_{02}}=\rho=\frac{\cot\frac{\theta_{1c}}{2}}{\tan\frac{\theta_{2c}}{2}}$$

$$Z_{02}=\frac{Z_{01}}{\rho}$$

where θ_{1c} is the electrical length in radians at the desired cut-off frequency of each of said high characteristic portions, θ_{2c} is the electrical length in radians at the desired cut-off frequency of each of said low characteristic portions neglecting the discontinuity capacitance at the junctions of said high and low characteristic impedance portions, θ_{1c} and θ_{2c} being so chosen that spurious responses fall outside of the desired frequency range, and

$$\frac{Z_{01}}{Z_{02}}$$

is the ratio of the characteristic impedance of each high characteristic impedance portion to the characteristic impedance of each low characteristic impedance portion:

$$Z_{01}=K_{\infty}\sqrt{\frac{\frac{\theta_{1c}}{\theta_{2c}}+\rho}{\frac{\theta_{1c}}{\theta_{2c}}+\frac{1}{\rho}}}$$

where K_{∞} is the assumed value of the zero frequency characteristic impedance;

$$\overline{\theta}_{2c}=\arctan\left(\tan\frac{\theta_{2c}}{2}-B_cZ_{02}\right)$$

where θ_{2c} is the electrical length in radians at the desired cut-off frequency of each of said low characteristics corrected for said discontinuity capacitance and B_c is the susceptance at the desired cut-off frequency of said discontinuity capacitance; and

$$B_c=[4\pi^2f_cr_3C_{d1}'(a,\tau)][10^{-6}]$$

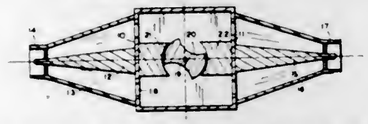
where f_c is the desired cut-off frequency in megacycles per second, r_3 is the radius of said outer conductor in centimeters, and $C_{d1}'(a,\tau)$ is said discontinuity capacitance in micromicrofarads per centimeter of the inner circumference of said outer conductor.

2,577,511

TUNABLE RADIO FREQUENCY FILTER

Seymour B. Cohn, Cambridge, Mass., assignor to United States of America as represented by the Secretary of War

Application May 24, 1946, Serial No. 672,018
3 Claims. (Cl. 178—44)



1. A tunable band-pass radio frequency filter comprising a cavity resonator, first and second axially aligned coaxial cables, said first coaxial cable having a tapered inner conductor and a like tapered outer conductor, the small end of said first cable being terminated by a standard cable connector and the large end of said first cable being terminated by a first wall of said cavity resonator, said second coaxial cable having a tapered inner conductor and a like tapered outer conductor, the small end of said second cable being terminated by a standard cable connector and the large end of said second cable being terminated by a second wall of said cavity resonator that is oppositely disposed with respect to said first wall, a pair of probes extending inwardly into said cavity resonator and axially aligned with said first and second coaxial cable, said probes being disposed in said opposite walls of said cavity resonator, the innermost surfaces of said probes being concave, a tuning rotor positioned between said probes and rotatably mounted on an axis transverse to the axis of said probes, said rotor having a pair of opposite surfaces that are convex and complementary with said concave surfaces and having a second pair of oppositely disposed concave surfaces intermediate said convex surfaces, the relative positions of the periphery of said rotor convex surfaces and said probe concave surfaces determining the value of the effective series capacitance of said cavity resonator.

2,577,512

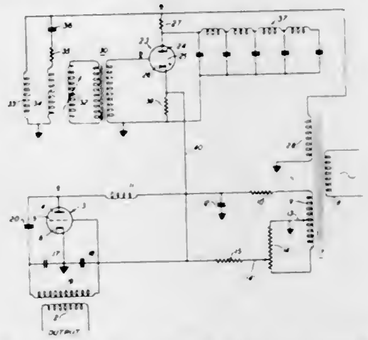
COMMUNICATION SYSTEM

Harold S. G. Cooper, Cambridge, and Howard Louis Schultz, Wellesley, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War

Application March 22, 1945, Serial No. 584,237
3 Claims. (Cl. 250—17)

1. A pulse modulated radio transmitter system comprising a source of alternating voltage,

an oscillatory circuit including a vacuum tube having at least a plate, a grid and a cathode, said grid and said plate being connected to opposite ends of said voltage source whereby said oscillatory circuit is normally rendered inoperative by mutually opposing voltages, a modulator circuit including a gaseous tube having at least a plate, a grid and a cathode, the modulator tube being normally non-conductive, a phase shifting network coupled to the modulator grid, means for applying a portion of said voltage source to the modulator tube plate whereby the voltage



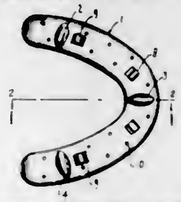
applied thereto is in phase with the voltage applied to the plate of the oscillator tube, means for applying said same voltage portion to said modulator grid through said phase shifting network to control the time for periodically rendering said modulator tube conductive whereby an output pulse is periodically generated by said modulator circuit, means for controlling the duration of said pulse, and means for applying said pulse to the grid of the oscillator tube whereby said oscillatory circuit is rendered operative only for the duration of said pulses.

2,577,513

DENTAL TRAY

Paul Cunningham, Houston, Tex., assignor of one-fourth to Charles H. Bradley, Jr., Houston, Tex.

Application March 28, 1949, Serial No. 83,988
9 Claims. (Cl. 32—17)



1. A dental tray of pliable and easily trimmed metal, said tray being of substantially semi-elliptical form and of substantially semi-circular cross-section to confine impression material between the tray and the ridge of a patient, upstanding means on said tray to assist and complete the attachment of a handle to the tray, additional means on said tray, normally depressed, to be forced into upstanding position so that said first and second means may serve together to assist and complete the connection of bite measuring means to said tray, holes in said tray to aid the adherence of the impression material and the bite measuring means thereto, and a plurality of indentations formed integrally with said tray to contact the ridge at a minimum number of points to maintain the tray in spaced relation from the ridge.

2,577,514

METHOD FOR REMOVAL OF RADIOACTIVE CONTAMINANTS

Jack De Ment, Portland, Oreg., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application April 2, 1947, Serial No. 738,916
3 Claims. (Cl. 134—4)

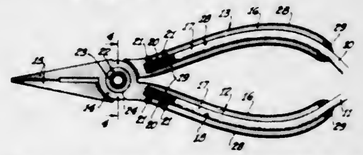
1. The method of removing radioactive contaminants from a surface comprising the steps of applying a sodium silicate to the surface, forming silicic acid by treating the sodium silicate with a dilute solution of a strong mineral acid and removing the reaction products and unreacted materials together with radioactive contaminants carried therewith.

2,577,515

ELECTRICAL SOLDERING PLIERS

Fowler Durst, Los Angeles, Calif.

Application July 3, 1948, Serial No. 36,947
1 Claim. (Cl. 219—26)



In a pair of pliers adapted to pass an electric current between its jaws: a pair of metallic current conducting members, each member being a unitary structure, said members having opposed metallic jaws of high current conductivity formed thereon at one end, the surfaces of the jaws being formed of a metal in which aluminum is a major ingredient said members having opposed handles at the other end; means pivotally connecting said members together between their handle and jaw ends, said means including insulation material for preventing passage of current between said members at said pivotal connection; an insulation coating on said handle; and a conductor connected to each handle adapted to impress an electromotive force between said members.

2,577,516

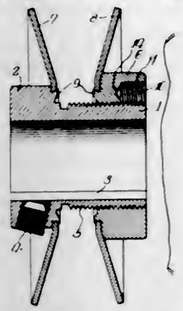
LOCKING MEANS FOR ADJUSTING NUTS

David Firth, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana

Application December 16, 1946, Serial No. 716,594
2 Claims. (Cl. 151—70)

1. In an adjusting means comprising a nut and a threaded member on which it is screwed, a locking means therefor comprising a screw arranged in said nut longitudinally thereof and having a thread of the same pitch as that of said member and interengaged with the thread of said member at longitudinally alined points, said screw so engaging the thread of said member being loosely fitted in a smooth walled recess in said nut, said recess having an open end in the outer end of said nut through which said screw can be inserted by screwing motion, and said nut having at the inner end of said recess an abutment against which said screw can be tightened for locking said nut to said member, said screw being

approximately parallel with a plane tangential to said member but in a skewed position such that the interengaging portions of the threads of said



screw and member are more nearly in approximate parallelism than if the screw axis were substantially parallel with the axis of said member.

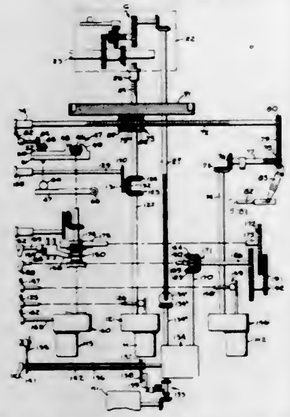
2,577,517

MACHINE TOOL

Keith F. Gallimore, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a corporation of Wisconsin

Application September 16, 1947, Serial No. 774,307

7 Claims. (Cl. 29—26)



1. In a horizontal boring, drilling and milling machine, a headstock having a rotatable tool supporting spindle, a translatable work support, a feed screw for translating said work support, a first motor driven transmission for driving said feed screw, a second motor driven transmission for driving said spindle, and clutch means operable selectively to interrupt the driving connection between said first transmission and said feed screw and for establishing a driving connection between said second transmission and said feed screw.

2,577,518

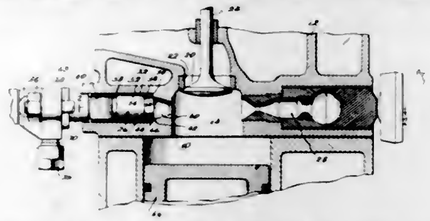
FUEL INJECTION ENGINE

Constantine N. Guerasimoff, Harvey, Ill., assignor to The Buda Company, Harvey, Ill., a corporation of Illinois

Application June 11, 1945, Serial No. 598,886

13 Claims. (Cl. 123—32)

1. In an internal combustion engine of the fuel injection type, the combination of means providing a cylinder, a cylinder head removably attached to said means, said cylinder head having a combustion chamber formed therein and opening into said cylinder, an energy cell communicating with said combustion chamber, a fuel feeding nozzle discharging into said combustion chamber and energy cell, said nozzle being located in a portion of said cylinder head operating at a higher temperature than said nozzle, said nozzle having a small diameter dis-



charge end of minimum length and a longer portion of larger diameter, a sleeve enclosing said nozzle and having a portion surrounding said smaller end in spaced relation thereto, said spaced relation providing an annular space communicating with said combustion chamber, said sleeve engaging said nozzle at the junction of the two diameter portions thereof to limit said space in one direction, means insulating said sleeve from said cylinder head, and means for supplying fuel to said nozzle.

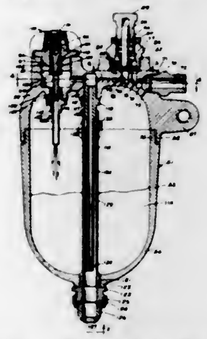
2,577,519

DRY POWDER SPRAYER

Eric Gustafsson, John W. Baur, and Theodore Kern, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application May 14, 1947, Serial No. 748,092

9 Claims. (Cl. 91—45)



1. In a device for spraying a dry powder material, comprising a holder having a hollow body portion providing a chamber portion for normally holding the dry powder material and a cover portion also having a hollow portion providing a chamber portion above the said chamber portion in said hollow body portion, both said body portion and said cover portion having mutually engageable closing parts for uniting said chamber portions, a connecting means connected at its lower end to the lower portion of said first mentioned chamber portion of said body portion and extending upwardly in both said chamber portions and connected at its upper end to said cover portion for holding said body portion and said cover portion in mutually closed condition, said

cover portion having an air passage provided with an air inlet and an air outlet means extending in said chamber portions provided between said body portion and said cover portion, said connecting means having a passage provided with an inlet means at its upper end portion for communicating with said air passage provided in said cover portion, and said connecting means having an outlet means at its lower end portion, said connecting means having a passage at an upper portion thereof for powdered material and air to pass from the upper portion of said chamber portions into said passage in said connecting means, and a spray means connected to said lower end portion of said connecting means and communicating with said passage in said connecting means and extending outside of the chamber portion of said body portion.

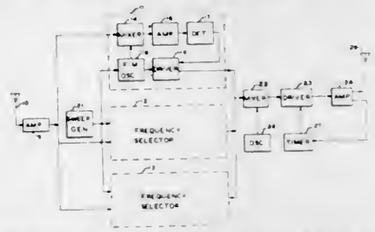
2,577,520

RADIO-FREQUENCY TRANSPONDER

Donald G. C. Hare, Greenvale, N. Y., assignor to the United States of America as represented by the Secretary of War

Application July 9, 1945, Serial No. 604,061

1 Claim. (Cl. 250—15)



A responding radio system, comprising a signal receiver having a given frequency band pass; a plurality of frequency selectors for corresponding respective successively adjacent portions of said band pass, said respective corresponding portions and the overall range covered by said selectors being shifted with respect to said receiver band pass by a given frequency differential; a periodic sweep voltage generator connected to said selectors for effecting a scanning thereby of said respective corresponding band pass portions; a signal transmitter, and means forming a supplying circuit for said transmitter connected thereto and to said selectors; each of said selectors including a first mixer circuit connected to said receiver, a frequency modulated oscillator connected to be controlled by said sweep voltage generator and connected to supply said mixer, a translating circuit for the output of said mixer responsive only to said frequency differential, a normally inoperative output circuit for said frequency modulated oscillator, and a circuit connected to detect the output of said translating circuit and to render said output circuit operative in response to a selected signal; said transmitter supplying circuit including a second mixer circuit connected to receive the output of said respective output circuits, a second oscillator having an output frequency equal to said frequency differential and connected to feed said second mixer, circuit means for coupling the output of said second mixer to said transmitter, means for controlling the operability of said coupling means with respect to time, and means for feeding back a portion of any signal in said transmitter to said controlling means, whereby the operability of said coupling means is effected in response to a selected signal.

2,577,521

CASHEW NUT SHELL EXTRACT

Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey

No Drawing. Application February 27, 1948, Serial No. 11,843

3 Claims. (Cl. 260—210)

3. The method comprising comminuting cashew nut shells which have been previously heated and containing up to 15% by weight of cashew nut shell liquid, then boiling a mixture thereof and water, removing the solids from the liquid phase, treating the liquid phase with an organic solvent for cashew nut shell liquid and separating cashew nut shell liquid-organic solvent solution therefrom leaving behind an extract containing a quantity of solids in solution measuring 20%–33% by weight of said shells in the substantially oil-free and moisture-free condition.

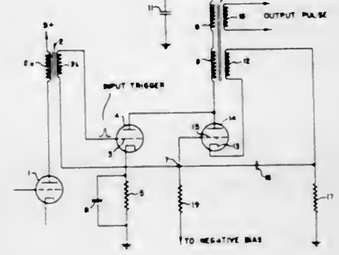
2,577,522

ELECTRICAL PULSE GENERATING CIRCUIT

George Hite, Dorchester, and Glenn E. Whitham, Wollaston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War

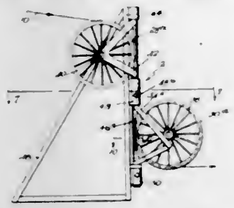
Application November 16, 1945, Serial No. 629,158

4 Claims. (Cl. 250—27)



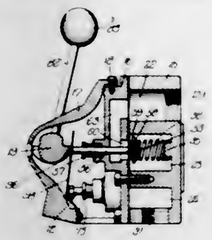
1. A blocking oscillator comprising first and second vacuum tubes each having an anode, a cathode, and at least one grid, a transformer having at least two windings, a first winding of said transformer electrically connecting the anodes of said vacuum tubes to a source of positive potential, a second winding of said transformer coupling the cathode of said second tube to a point of reference potential in such a way that an increase in anode current will lower the potential on the cathode of said second tube with respect to said point of reference potential, a source of negative potential, resistive means electrically connecting the control grids of said tubes to said source of negative potential, capacitive means electrically coupling said grids to said point of reference potential, means coupled to the grid of said first tube and including a second transformer for applying a positive pulse to the grid of said first tube, and biasing means connected between the cathode of said first tube and said point of reference potential, for maintaining said first tube in a normally non-conductive state.

2,577,523
HINGED SHEAVE CONSTRUCTION
William B. Horton, Groton, Mass., assignor to H. E. Fletcher Company, West Chelmsford, Mass., a corporation of Massachusetts
Application November 22, 1949, Serial No. 128,815
2 Claims. (Cl. 125—21)



1. A wire sawing apparatus comprising a wire member, a plurality of sheaves formed with peripheral grooves for urging the wire into sliding contact with a surface to be sawn, shafts upon which said sheaves are mounted, means for furnishing wire to the sheaves, sheave guide means adapted to receive wire from the wire furnishing means and to guide the wire to the sawing sheaves along conveyor paths of travel, said sheave guide means including a supporting base, an upright member secured on the base, mounting means for said sheaves including superimposed, vertically and axially arranged, elongated housing bodies fixed to said upright and having elongated openings at one side thereof for receiving peripheral portions of said sheaves, one of said housings being rotatably supported by said upright, and spaced pairs of arms fixed to said housings at vertically spaced points and converging toward each of said sheave shafts, and means for supporting said shafts on adjacent pairs of spaced arms.

2,577,524
MULTIPLE CONTROL VALVE
George C. Huppertz, St. Charles, Ill.
Application July 31, 1946, Serial No. 687,336
4 Claims. (Cl. 277—20)



1. A multiple valve construction comprising a valve body having a plurality of cavities therein, said body having a plurality of external pipe connection openings connected with certain of the cavities, a closure member on said body, passages formed in said closure member, said passages connecting certain of the body cavities, and valves for controlling flow through the passages, valve stems extending externally of the body through the closure member, and valve actuating means mounted on the member and adapted to selectively engage said stems to operate certain valves jointly or separately, said actuating means comprising a movable member having a plurality of spaced and oppositely extending valve operating cams projecting therefrom and an operating arm for moving said movable member axially and rotationally to cause selected cams to depress selected valves.

2,577,525
APPARATUS FOR DIGGING POTATOES AND THE LIKE
Clair R. Johnston, Akron, Ohio
Application February 24, 1948, Serial No. 10,248
9 Claims. (Cl. 55—137)



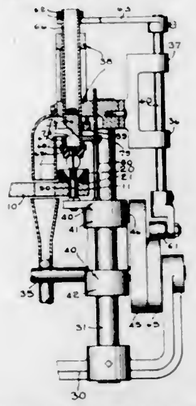
1. Apparatus for digging potatoes and the like including a pair of side frames, a plow supported between the forward ends of the side frames, an endless conveyor movable backwardly from the plow and supported between the side frames, said conveyor comprising essentially a plurality of laterally-extending, longitudinally-spaced rods, means for driving the conveyor independently of the forward motion of the apparatus, a main frame upon which the rear ends of the side frame are pivotally mounted, a sub-frame mounted between the side frames inside the top stretch of the conveyor, said sub-frame being pivotally secured at its front and rear ends to the side frame and being laterally split near its center, a transverse plate bridging the split in the sub-frame, a shaft journaled in the side frames below the plate, striker arms having rollers on their outer ends carried by the shaft near the ends of the plate and adapted to tilt the sub-frame and raise and lower the upper stretch of the conveyor, means independent of the means driving the conveyor for rotating the shaft, and adjustably positioned means limiting the movement of the sub-frame towards the shaft.

2,577,526
MIRROR MOUNTING AND PROTECTING DEVICE
Ogilvie C. Kelly, Toledo, Ohio, assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 27, 1949, Serial No. 73,207
1 Claim. (Cl. 88—97)



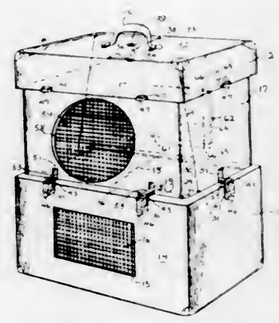
The combination with a sheet glass mirror of a slightly deformable plate of fiberboard material adapted to be fastened to a wall by randomly located wood screws or nails without being previously pierced, the back of said plate being unobstructed and smooth, whereby it is adapted to lie directly against the wall to which it is applied, said plate being slightly resilient and flexible for yielding application to non-planar wall surfaces and sufficiently porous to act as an insulator between a wall and the sheet glass mirror and to dissipate moisture by wicking and evaporative action, and hooked metal clips secured to the front of said plate and holding said sheet glass mirror and said plate spaced from each other and constituting the sole bridges therebetween to provide free ventilation and to prevent the capillary transfer of moisture from said plate to said mirror, those portions of the clips facing the back of the mirror being covered by yieldable pads, the hooks of certain of said clips projecting forwardly from the lower edge of said plate and opening upwardly, the hooks of others of said clips projecting forwardly from another edge portion of said plate and opening inwardly, said inwardly opening hooks being secured to said clips for in and out adjustment, the slight resiliency and flexibility of said plate adapting it to be sprung so that all of said hooks can be brought into engagement with the edges of said sheet glass mirror even though the plate be fastened to a wall with an irregular surface, whereby the lower edge of said mirror may be seated in the hooks projecting from the lower edge of said plate and the inwardly opening hooks then may be moved into engagement with other edge portions of said mirror.

2,577,527
COMBINED PITTING AND SLICING MECHANISM
Walter W. Kelly, Portland, Oreg., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application January 8, 1947, Serial No. 720,748
5 Claims. (Cl. 146—18)



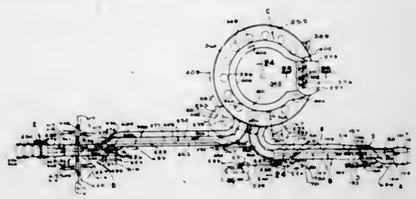
1. Mechanism for pitting and slicing cherries and like fruit including a tool comprising a vertical shaft composed of a plurality of radially arranged blades having sharpened and inwardly inclined upper ends, and a plurality of lateral fins projecting radially from said shaft at diametrically opposite sides thereof and terminating somewhat below the upper ends of said blades, each fin having a sharpened upper edge ascending obliquely toward said shaft; a support disposed above said tool to seat a cherry or like fruit and having a central opening and a plurality of slots radially extending therefrom in vertical axial alignment with said shaft and said fins respectively; vertically yieldable retaining means to hold a cherry or like fruit in said support regardless of its size; stop means to positively arrest yielding of said retaining means beyond a predetermined point vertically; and means for axially reciprocating said tool through said support.

2,577,528
SPEAKER CABINET
Edward P. Kennedy, Berwyn, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army
Application May 1, 1946, Serial No. 666,285
8 Claims. (Cl. 312—7)



1. A speaker unit comprising a cabinet including two sections arranged in partial telescopic relation with respect to each other with each of the sections being provided with an opening, a grille to the rear of each of said openings, a speaker element within one of said sections to the rear of the grille thereof, means automatic in its operation for releasably latching said sections in distended position with respect to each other, and other means for releasably latching said sections together and for rigidly holding the adjacent walls of said sections together.

2,577,529
CARTON HANDLING MACHINE
Charles E. Kerr, San Jose, Calif., and Roscoe Elsheimer, Hoopeston, Ill., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
Application July 8, 1946, Serial No. 681,980
17 Claims. (Cl. 93—6)



1. A machine for forming, filling, and closing a carton moving in continuous and uninterrupted flow through the machine, said carton comprising a rectangular body formed by a bottom and side and end walls hinged thereto and to each other and a cover hinged to one edge of a wall of the carton body and having a continuous flange hinged on the free edges of the cover, said carton being collapsed with the side and end walls of the carton body folded flat over the bottom thereof and with the flange folded flat under the cover and the cover folded over the body of the carton and disposed in substantially the plane of the bottom of the carton, which comprises a continuous conveyor for advancing the

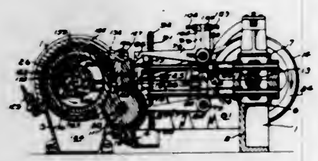
carton in continuous and uninterrupted flow along with the predetermined path with the bottom of the carton presented downwardly and the hinge of the carton parallel to its path of travel, means associated with the conveyor for elevating and turning back the cover of the carton to expose the collapsed body portion thereof, means cooperatively associated with the conveyor for erecting the end and side walls of the carton and for blocking the carton during its travel therepast, a filling device disposed adjacent said conveyor for depositing a measured quantity of product into the blocked carton body, means for turning the filled carton on said conveyor to dispose its cover hinge normal to its path of travel, means adjacent said conveyor and engageable with the collapsed flange of a cover of the carton for opening the same during the continuing flow of the carton, means for closing the cover of the carton with the flange of the cover overlying contiguous walls of the carton, and means for driving said conveyor, body opening, filling, and flange opening means in timed relation.

2,577,530

GREEN CORN CUTTER

Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware

Application September 30, 1946, Serial No. 700,245
4 Claims. (Cl. 130—9)



1. In a green corn cutter comprising a rotary knife carrier, a plurality of knives mounted on said carrier for radial movement relative to its central axis under the influence of centrifugal force, knife adjusting means for engaging the knives to limit outward movement thereof, means for driving said carrier, an auxiliary gear carried by said driving means and engaging said knife adjusting means for rotating said knife adjusting means, gauging means mounted in advance of said carrier for engaging an ear of corn delivered endwise toward said knives, and means operatively connecting said gauging means with said driving means for advancing or retarding said auxiliary gear to correspondingly shift said knife adjusting means relative to the carrier to thereby effect inward and permit outward movement of said knives commensurate with the movement of said gauging means as determined by the diameter of said ear of corn for cutting the kernels from the ear at a predetermined depth relative to the periphery of the same.

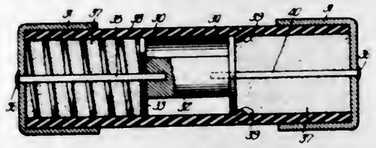
2,577,531

FUSE CONSTRUCTION

Gordon F. Laing, Delavan, Wis., assignor, by mesne assignments, to Economy Fuse and Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application April 14, 1948, Serial No. 20,919
3 Claims. (Cl. 200—123)

1. In an electric fuse, in combination, a cylindrical casing, a fuse element located within said casing, said fuse element including a member having two ends and having a relatively low melting point, said member having connected thereto at each of its ends a heat communicating link, at least one of said links having a higher melting point than said member, said one link being adapted to be fused upon a sudden rush therethrough of electric current of high amperage, said links being adapted to communicate heat to said member sufficient to fuse said member upon prolonged passage through said fuse element of electric current of a predetermined overload, said member having a relatively great mass as compared to the mass of said one link, diaphragms fitting the interior of said casing,



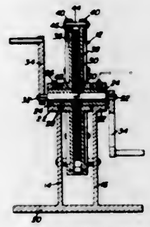
surrounding and engaging said links and dividing said casing into three compartments, of which the center compartment contains said member and each of the other two compartments contains one of said links and a spring biasing one of said diaphragms out of engagement with one of said links whereby said last mentioned link will be electrically disconnected from said member when said member is melted.

2,577,532

SEWER ROD REEL

Lawrence L. Loomis, Eleva, Wis., assignor of fifty per cent to Herman Halverson, Eleva, Wis.

Application September 11, 1950, Serial No. 184,287
4 Claims. (Cl. 242—84.8)



1. A tape reel comprising a support base having parallel side walls, journals in said side walls, a horizontal axle rotatably mounted in said journals, a resilient steel tape wound upon said axle, a cage mounted on said journals, said cage having side walls embracing and confining the edges of said tape, guide rollers journaled between the side walls of said cage for receiving and guiding the tape as the latter is reeled onto and from said axle, said base side walls having aligned apertured bosses, said journals comprising sleeves received in said bosses and having their adjacent ends terminating in spaced relation to each other.

2,577,533

SPECTACLE TEMPLE MEASURING INSTRUMENT

Ralph S. Loveridge, Salt Lake City, Utah

Application July 25, 1949, Serial No. 106,675
5 Claims. (Cl. 33—200)

1. A spectacle temple measuring instrument, comprising a substantially flat blade structure having an approximately semi-circularly curved edge portion merging into an elongate substantially rectilinear edge portion, the former portion to accommodate the comfort cable portion of a spectacle temple and the latter to accommodate the elongate rectilinear portion of said temple; an abutment means forming the free terminus of said curved blade-edge portion; an abutment means forming the free terminus of said elon-



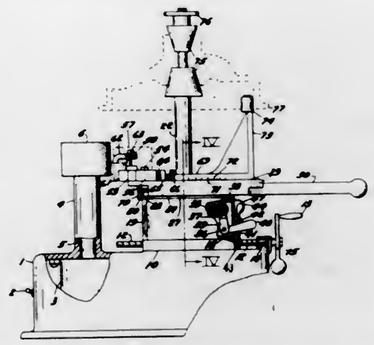
gate rectilinear blade-edge portion; a set of scale graduations marked on said blade structure adjacent the first-named abutment means, said graduations providing readings of edge distance from the second-named abutment means; and a set of scale graduations marked on said blade structure adjacent the second-named abutment means, said graduations providing readings of edge distance from the first-named abutment means.

2,577,534

BRAKE SHOE TREATING APPARATUS

Sydney P. Lowe, Columbus, Ohio

Application January 27, 1947, Serial No. 724,632
1 Claim. (Cl. 90—20)



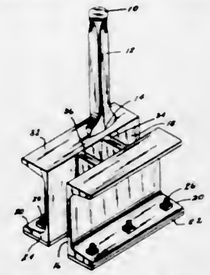
A machine for finishing segmental brake shoes having brake lining material on the peripheral surface thereof, comprising in combination, a rotating cutter; a base having a horizontally extending guideway extending toward the cutter; a horizontally movable slide member mounted on the base and guided by the guideway, said base and slide member having nut and screw elements for moving the slide member along the base; a vertically extending post carried by the slide member; a turret head including a base mounted on said slide member, said turret head base having an opening receiving the post, said turret head base having a horizontally extending guideway, said turret head including a horizontally movable slide member mounted on the turret head guideway, and having an elongated opening receiving the post, said post being adapted to carry an arcuate guide member, the axis of the latter being coincident with the axis of the post; a brake shoe support carried by the second mentioned slide member for supporting a brake shoe with the brake lining thereon in cuttable relation with the cutter; a feeler carried by the second mentioned slide member in position to ride on the inner periphery of the arcuate guide member; a spring interposed between the turret head base and the second mentioned slide member yieldingly urging the feeler into engagement with the arcuate guide member; and means for oscillating the turret head base and second mentioned slide member about said post.

2,577,535

STONE TRACER

Robert S. Mackenzie, North Chelmsford, Mass., assignor to H. E. Fletcher Company, Chelmsford, Mass., a corporation of Massachusetts

Application November 14, 1947, Serial No. 785,852
2 Claims. (Cl. 125—40)



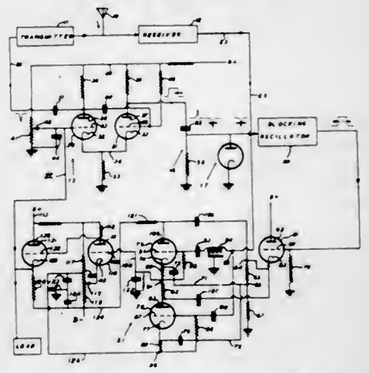
1. In combination a tool of the character described, presenting a cutting edge, a holder for maintaining the tool in a substantially upright position, said holder including a pair of parallel vertical sides which extend beyond the cutting edge to provide an elongated centering guideway, said sides being flanged laterally at their upper and lower edges, and a central shank support transversely mounted between the sides in a position to hold the cutting edge of the tool in substantially centered parallel relation to the vertical sides, said shank support terminating substantially above the bottom of the sides.

2,577,536

AUTOMATIC RANGE TRACKING CIRCUIT

Edward F. MacNichol, Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application May 5, 1944, Serial No. 534,310
1 Claim. (Cl. 343—7)



A pulse echo system comprising an antenna, transmitter to generate periodic energy pulses

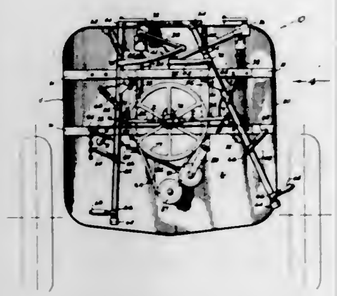
for radiation and receiver to receive target echoes following each pulse, a delay circuit having a normal stable condition, means for tripping said delay circuit when said transmitter operates so that said circuit assumes an unstable condition, said circuit being adapted to return to its stable condition over a period of time substantially equal to the time between adjacent transmitter pulses, said delay circuit being adapted to generate a delay voltage curve having a steep trailing edge when going through one cycle of operation, means controlled by the trailing edge of said delay circuit output for generating a voltage pulse having a time duration substantially equal to the duration of a transmitter pulse, a pair of three electrode vacuum tubes, means for impressing said voltage pulse upon the anodes of said vacuum tubes, means for impressing upon the control grid of one vacuum tube a target echo normally occurring at the same time as said voltage pulse, means for delaying said echo by a time substantially equal to the duration of said voltage pulse, means for impressing said delayed echo on said other control grid, means for combining the outputs of said tubes differentially to obtain a net voltage whose magnitude and polarity is a function of the relative position of said voltage pulse and said two echoes and means for impressing said net voltage upon said delay circuit in a manner to control the return of said delay circuit from its unstable to stable condition on succeeding cycles so that said system tends to maintain said two echoes symmetrical within said voltage pulse.

2,577,537

OSCILLATING HEADER TUBE ORCHARD SPRAYER

Ralph D. Malin, East Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware

Application October 18, 1949, Serial No. 122,009
8 Claims. (Cl. 299—37)



1. An orchard sprayer adapted to be mounted on a spray rig and comprising a frame; a header tube pivotally mounted on said frame on an axis substantially parallel with the direction of travel of said rig; a series of spray nozzles provided in vertically spaced relation on said tube and individually connected to and receiving liquid therefrom, said nozzles being individually rotatable relative to said tube to vary the angle of inclination of each of said nozzles with respect to the others of said nozzles; a power transmission mechanism mounted on said frame for oscillating said header tube about said axis periodically; and means for supplying spray liquid under pressure to said header tube during said oscillation.

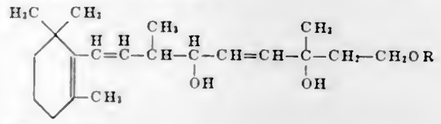
2,577,538

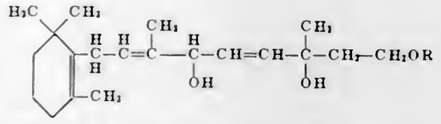
PROCESS FOR THE PRODUCTION OF VITAMIN-A ETHERS AND ESTERS

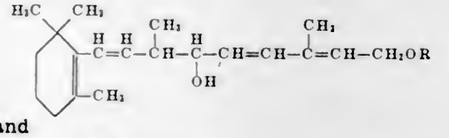
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application September 29, 1948, Serial No. 51,863
9 Claims. (Cl. 260—491)

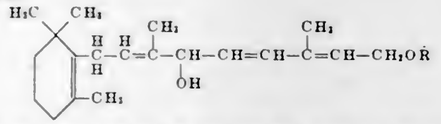
1. Process for the dehydration of a compound of the group consisting of







and



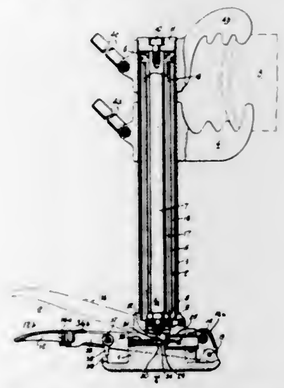
to produce vitamin A products in which R stands for a member of the group consisting of lower alkyl and lower acyl groups which comprises causing the said compound to react with an acid salt of a tertiary base in the presence of pyridine as a solvent.

2,577,539

HYDRAULIC BUMPER JACK

Herbert E. Page, Dayton, Ohio

Application March 13, 1947, Serial No. 734,464
4 Claims. (Cl. 60—52)



1. In a hydraulic jack incorporating a liquid reservoir and a movable ram, a body, means in said body defining in conjunction with said ram a pressure chamber, a cylinder in said body, a piston reciprocable in said cylinder, first and

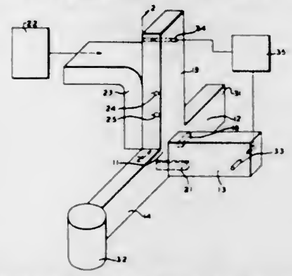
second passages providing communication respectively between said reservoir and said cylinder and between said cylinder and said pressure chamber, a third passage between said cylinder and said reservoir, a valve in the first passageway seating toward said reservoir, spring loaded valves in said second and third passages seating toward said cylinder, means defining a normal travel for said piston in said cylinder, and means responsive to an overtravel of said piston for moving said spring loaded valves from their seats.

2,577,540

WAVE GUIDE T BRIDGE DETECTING APPARATUS

Robert V. Pound, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application May 2, 1945, Serial No. 591,584
6 Claims. (Cl. 172—245)



4. Apparatus for providing an output indicative of the frequency deviation of input microwave energy from a reference frequency, comprising a rectangular waveguide T-bridge having first and second symmetrical branches and third and fourth asymmetrical branches said branches intersecting to form a common junction, impedance matching means in said junction, directional coupling means for propagating microwave energy along said third asymmetrical branch toward said junction to cause propagation of equal components of said energy in said first and second branches, resistance means terminating said first branch for reflecting said component toward said junction, resonance means terminating said second branch for reflecting said component toward said junction with a phase shift which is a function of the frequency, detector means in each of said third and fourth branches and indicator means for comparing the outputs from said detector means.

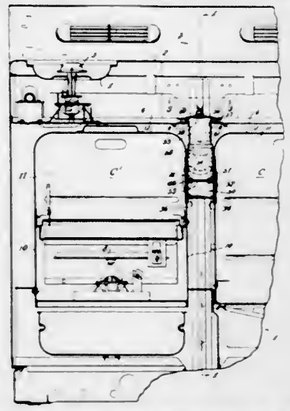
2,577,541

PLURAL COMPARTMENT OVEN LIGHT WITH DOOR OPERATED SWITCH

Marc Resek, Cleveland Heights, William M. Day, Parma Heights, and Joseph R. Kirkpatrick, South Euclid, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application January 31, 1950, Serial No. 141,374
15 Claims. (Cl. 240—5)

1. For incorporation in a stove structure including a casing, vertical and other walls within the casing enclosing a compartment, said compartment opening through the front of the casing, a door for said compartment, and hinge means connecting the door to the casing; a vertical wall of the compartment having an opening: electrical illuminating means inside the casing on the outer side of said vertical wall, said illuminating means comprising a drum-like shield arranged with an open end thereof registering with the opening of said wall, the shield having a side opening spaced from said end, a housing part arranged so that its interior opens into said shield through the side opening of the latter, an electric light socket supported within said housing part, an electric light bulb sustained by



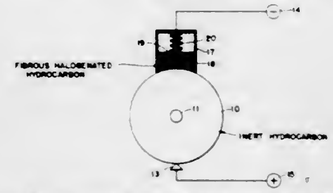
said socket with the light emitting area of the bulb within the shield, an electric switch in the casing adjacent the front top portion thereof, electrical conductors arranged to provide a circuit including said switch and the aforesaid socket, and operative connections between said switch and the hinge means of the compartment door whereby the switch is caused to close the circuit when the door is opened.

2,577,542

FRICTION GENERATOR

Jean Roudaut, New York, N. Y., assignor to Chatham Electronics Corporation, Newark, N. J., a corporation of New Jersey

Original application March 3, 1950, Serial No. 147,492. Divided and this application October 25, 1950, Serial No. 192,060
5 Claims. (Cl. 171—328)



1. A friction generator comprising, a rotor made of an inert hydrocarbon such as methyl methacrylate or polystyrene and a friction pad made of one of the halogenated hydrocarbons such as polyvinyl chloride, tetrafluoroethylene, or trifluoro-chloroethylene.

2,577,543

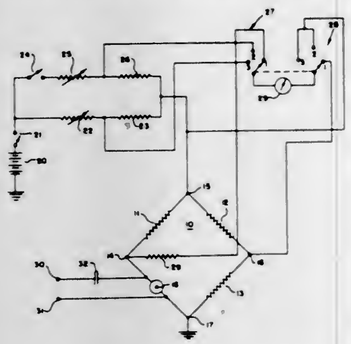
POWER MEASURING SYSTEM

Theodore S. Saad, West Roxbury, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application January 17, 1946, Serial No. 641,832
2 Claims. (Cl. 171—95)

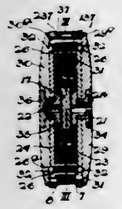
2. In a bridge network containing a non-linear resistance element, means for impressing an

A.-C. power input across said element, first and second means for separately producing first and second direct-current flows in said bridge network, meter means for indicating said first and



second direct-current flows individually and also the output of said bridge, and means for adjusting said first and second direct-current flows to balance said bridge whereby the magnitude of said A.-C. power is determined.

2,577,544
FECUNDITY CALENDAR
Theresia Schenk and Maria Sprung, Graz, Austria, assignors, by direct and mesne assignments, of one-half to Hans Schenk, Graz, Austria, and one-half to James Jovan, Chicago, Ill.
Application March 1, 1949, Serial No. 78,992
In Austria April 5, 1948
18 Claims. (Cl. 235—86)



8. Fecundity calendar, comprising a flat, essentially round casing, an axle, a reel rotatably supported in said casing upon said axle, a knob resting upon said axle for actuating said reel, a band with a date calibration rolled up along the circumference of said reel, two fixed discs, one on each side of said reel, two scales with the dates of the cycle from the shortest up to the longest period between two menstruations succeeding each other, one of said scales being fixedly arranged upon each of both said circular discs in the form of a circular arc, concentrically to the said axle of said reel, a pair of circular rotatable discs, each, forming one wall of the casing, said discs being arranged laterally from said fixed circular discs, and being provided with a window, each, and a pair of masks for indicating the fecundity days appearing upon said calendar band, each of said masks being connected in the form of a circular arc, concentric to said calendar band, and to each of said rotatable circular discs, for co-acting with one of said scales for adjusting the dates of the cycle for the shortest, and for the longest menstrual cycle, respectively.

2,577,545
WIRE SAW APPARATUS
Harry E. Stratton, Chelmsford, Mass., assignor to H. E. Fletcher Company, West Chelmsford, Mass., a corporation of Massachusetts
Application April 2, 1949, Serial No. 85,173
3 Claims. (Cl. 125—21)

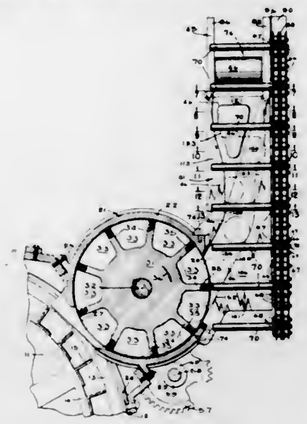


3. A wire sawing apparatus for use in quarrying, comprising a wire member, means for urging the wire into sliding contact with the surface to be sawn, means for furnishing wire to the sawing means, a guide assembly for the wire located between the sawing means and the wire furnishing means for directing the path of movement of the wire in varying directions, said guide assembly including a supporting structure, a lead-in sheave, a lead-out sheave, and an intermediate sheave, said supporting structure including a vertical frame, and longitudinally extending guide rails carried thereby, a sheave mounting longitudinally adjustable on certain of said guide rails, means for angularly adjusting said mounting in a horizontal plane, and a lead-in sheave supported thereby, a vertical sheave support positioned laterally of the main frame and movable on other of said guide rails laterally with respect to the first sheave mounting and in a plane parallel to the plane of movement of the first sheave support, an intermediate sheave carried at the upper end portion of said sheave support, and a sheave supporting structure for the lead-out sheave, said sheave supporting structure for the lead-out sheave including a swinging bracket and a rotatably adjustable upright support, said bracket being pivotally supported on said frame for swinging movement about the axis of the intermediate sheave, and a bearing at the upper end portion of the upright frame for supporting the lead-out sheave.

2,577,546
CAN-FEEDING MECHANISM
Ernest P. Tarot, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application September 21, 1946, Serial No. 698,412
6 Claims. (Cl. 198—33)

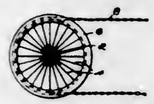
5. A can feeding mechanism comprising a helical guide portion having can supporting surfaces extending from an upper to a lower level and arranged to turn a can from one position to another as the can moves along said helical guide portion, said guide portion having straight slots formed to extend lengthwise in opposite sides thereof, a flexible conveyor element arranged for lengthwise movement outside of the guide, a can engaging element mounted on said conveyor element to extend through said slots for engaging a can within said guide to control

movement of the can through the helical guide portion, and power drive means mounted to



advance said conveyor element and the can engaging element thereon lengthwise of said helical guide portion.

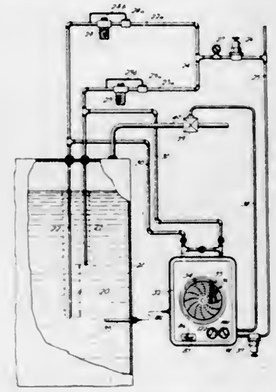
2,577,547
SHEAVE CONSTRUCTION
John F. Vasselin, Westford, Mass., assignor to H. E. Fletcher Company, West Chelmsford, Mass., a corporation of Massachusetts
Application September 17, 1948, Serial No. 49,837
6 Claims. (Cl. 74—230.7)



1. An improved sheave including a rim, a pair of resilient interchangeable liner elements located one against another in the rim, the liner elements extending upwardly to form a V-shaped channel, those sections of the liner elements occurring at the bottom of the rim overlapping one another at an angle which intersects the plane of rotation of the sheave.

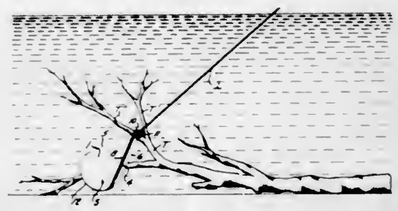
2,577,548
COMPENSATED SPECIFIC GRAVITY MEASURING DEVICE
Otto B. Vetter, McKeesport, Pa., assignor to Hagan Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1948, Serial No. 40,944
7 Claims. (Cl. 73—32)

1. Apparatus for totalizing a first factor proportional to the uncorrected specific gravity of a fluid and a second factor proportional to the magnitude of the temperature of said fluid, said apparatus comprising: a Bourdon tube responsive to said temperature, a stud projecting from the outer convolution of said Bourdon tube, a first arm secured to said stud and disposed radially with respect to said Bourdon tube, first pivot means coaxial with the effective center of rotation of said first arm, a first lever mounted on said pivot means and adjustable relative to said stud, indicating means driven by said first lever, a second lever pivotably secured to said first arm at said effective center of rotation, means for adjusting the angularity between said second lever and said first arm, said second lever having a first slot therein, second pivot means adjustable along said first slot, a first shaft and a second arm mounted thereon, said second arm having a second slot therein, third pivot means adjustable along said second slot, an adjustable-length link pivotably connected at the two ends thereof to said second and third pivot means, respectively, whereby the position of said second arm reflects the magnitude of said first factor; an element measuring said uncorrected specific gravity, a second shaft and a third arm mounted



thereon, drive means between said element and said third arm, whereby the position of said third arm reflects the magnitude of said second factor; two cranks secured to said first and second shafts respectively, a third crank, two links pivotably coupled to said two cranks, respectively, a third link pivotably coupled to said third crank and drivably interconnecting the same with said two links, whereby the deflection of each of said two cranks is transmitted through the respective link coupled thereto to said third link and said third crank, and whereby the deflection of said third crank is the algebraic sum of the deflections of said two cranks.

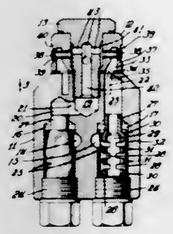
2,577,549
FISHING SINKER
Ora E. Vice, Middletown, Ohio
Application May 22, 1950, Serial No. 163,376
2 Claims. (Cl. 43—43.1)



1. A fishing sinker comprising a substantially flat body having substantially parallel top and bottom surfaces of generally tear-drop symmetrical configuration and side edge surfaces converging to form an apex, the side edge surfaces being angularly disposed relative to the top and bottom surfaces with one of said side edge surfaces disposed at an actue angle to said top surface and the other side edge surface being disposed at an obtuse angle to said top surface,

said side edge surfaces being slightly rounded and merging smoothly with the top and bottom surfaces and forming camming surfaces acting to rotate said body about its longitudinal axis when the apex strikes against an obstruction, and a line connecting eye disposed at the apex of said body.

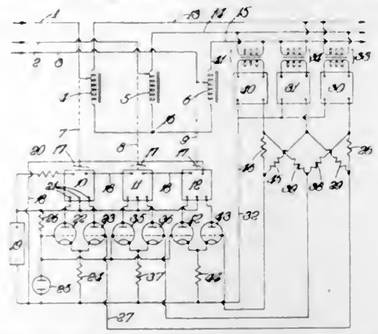
2,577,550
MULTIPLE NOZZLE SPRAY HEAD
Fred W. Wahlin, Oak Park, Ill., assignor to Spraying Systems Co., Bellwood, Ill., a corporation of Illinois
Application April 26, 1949, Serial No. 89,591
3 Claims. (Cl. 299—141)



1. A spraying unit comprising a main body portion, a removable spray head thereon, and a retaining screw whereby the spray head is attached to the main body portion, said spray head having a central opening therethrough and an annular chamber spaced from and encircling said central opening, a plurality of nozzles at intervals around the spray head and extending radially from said central openings through said chamber, said retaining screw being engaged through the central opening in the spray head and with the main body portion and having a passageway therein communicating axially with a passageway in the main body portion and radially with the nozzles, said annular chamber in said spray head having an opening therefrom communicating with another passageway in the main body portion, each of said passageways in the main body portion leading to the exterior of said body portion and each having another external outlet with strainer means removably inserted therethrough into the respective passageways.

2,577,551
APPARATUS STABILIZING THREE-PHASE VOLTAGE SUPPLIES
Eric Lawrence Casling White, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application July 22, 1948, Serial No. 40,149
In Great Britain July 25, 1947
9 Claims. (Cl. 323—22)

1. In a three phase voltage supply network, apparatus for stabilising the phase voltages of the supply, comprising three voltage regulators arranged to control the respective phase voltages, means for deriving signals representative of each delta voltage in the network, means for combining said signals to generate a control signal for each regulator, each control signal being a function of at least two of the delta voltages of said supply, means for setting up a substantially fixed reference voltage, means for comparing each of said control signals with the reference voltage, and means for operating each regulator in response to any difference between its control signal and the reference voltage to



maintain said delta voltages substantially equal to one another.

2,577,552
AUTOMATIC FISHING REEL
John W. White, Jr., Little Rock, Ark.
Application February 19, 1947, Serial No. 729,540
15 Claims. (Cl. 242—109)

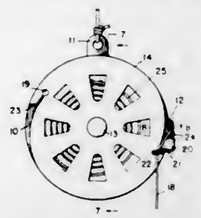


1. An automatic fishing reel comprising a sectional housing, a shaft rotatably mounted in said housing and having an end projected outwardly therefrom, a reel-actuating spring anchored at one end to the inner face of said housing and engaging said shaft at its other end, a reel mounted on and rotatable with the projected end of said shaft, externally disposed stops consisting of peripheral projections on the outer face of said reel, and a trip pivotally mounted externally of said housing at a point adjacent the periphery of said reel and movable relative to said reel and housing and responsive to pull on the line to release said spring-actuated reel.

2,577,553
AUTOMATIC FISHING REEL
John W. White, Jr., Little Rock, Ark.
Application July 27, 1948, Serial No. 40,925
10 Claims. (Cl. 242—109)

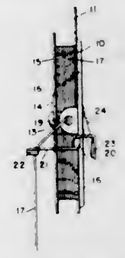
1. An automatic fishing reel comprising a hanger plate having a line guide receiving groove, an arbor carried by said hanger plate, an open reel plate having latch-engageable stops rotatably mounted on said arbor, line guides on said

reel plate the outer ends of which engage the groove in said hanger plate, a reel plate retracting spring secured at its inner end to said arbor and at its outer end to said reel plate, a



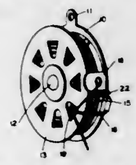
reel plate latch releasable by pull on the line pivoted on said hanger plate to engage the reel plate stops and hold said reel plate in adjusted positions, and a spring tending to return said latch always to reel holding position.

2,577,554
AUTOMATIC FISHING REEL
John W. White, Jr., Little Rock, Ark.
Application December 28, 1948, Serial No. 67,626
4 Claims. (Cl. 242—109)



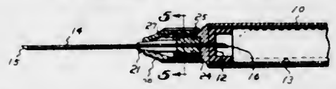
4. A fishing reel comprising a peripherally open housing having a stationary back plate, a front plate journalled to and rotatable relative to said stationary back plate, line supporting lugs mounted on said front plate, a plurality of peripheral stops on said rotatable plate, a line guide on said fixed plate, a trigger pivotally mounted on said fixed plate and extending laterally across the outer periphery of said rotatable plate and outwardly beyond the line carrying plate, a spring engageable arm at the other end of said trigger extending outwardly and downwardly beyond said fixed plate, and a flat trigger actuating spring mounted on said fixed plate to engage said arm and hold said trigger normally in engagement with said stops.

2,577,555
AUTOMATIC FISHING REEL
John W. White, Jr., Little Rock, Ark.
Application July 12, 1949, Serial No. 104,177
4 Claims. (Cl. 242—109)



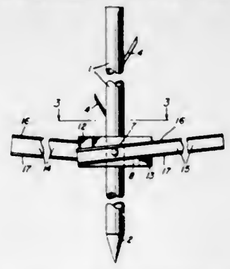
1. A fishing reel comprising a reel-supporting plate having a closed aperture in its wall, a line-carrying reel rotatably mounted on said plate, a reeling-in spring to rotate said reel, radial arms on said reel movable past the aperture in said supporting plate, a line-tripped trigger pivotally mounted on said supporting plate for pivotal movement around an axis at right angles to the axis of rotation of said reel, and an arm on said trigger normally projecting through the aperture in said supporting plate to engage a radial reel arm and hold the reel against rotation, but retractible from the aperture in a path substantially at right angles to the radial arms on tripping of the trigger under line pull to release said arm and permit reeling-in action of said spring-actuated reel.

2,577,556
CARTRIDGE SYRINGE, INCLUDING A CANNULA ATTACHING CHUCK
David C. Williams, Needham Heights, Mass., assignor to MacGregor Instrument Company, Needham, Mass., a corporation of Massachusetts
Application February 4, 1950, Serial No. 142,410
6 Claims. (Cl. 128—218)



1. In a cartridge syringe, a tip member, a closing sleeve member having forwardly and inwardly inclined surfaces at the front end of its chamber and being threaded on said tip member, and a chuck element including a plurality of resilient jaws of substantial length interconnected at their rear ends to establish a cylindrical part and disposed to have their front ends engaged and compressed by said surface as said members are threaded together, said cylindrical part and one of said members including complemental portions locking them together.

2,577,557
PEANUT CURING POLE
Edison D. Wright, Rocky Mount, N. C.
Application July 1, 1947, Serial No. 758,280
5 Claims. (Cl. 130—20)



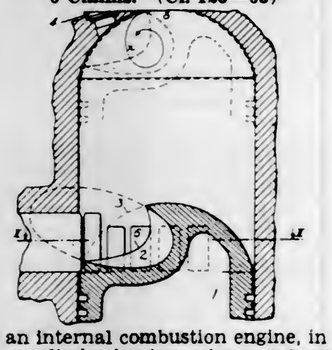
1. A peanut curing pole comprising a tubular metal body having a conical driving point on one end thereof for driving into the ground, a plurality of upwardly and outwardly extending pointed fingers or spurs struck from said metal body, a plate support slidably supported on said tubular body adjacent said conical driving point, a securing bolt extending through said tubular body and said plate support, a pair of opposed laterally extending vine supporting arms pivotally mounted upon said bolt, and means on said plate support for engaging said arms for holding the same in extended position.

2,577,558

FORMATION OF THE COMBUSTION SPACE IN PARTICULAR FOR TWO-STROKE ENGINES

Antonin Zelezny, Velesin, Czechoslovakia

Application June 13, 1947, Serial No. 754,528
In Czechoslovakia March 11, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 11, 1966
6 Claims. (Cl. 123—65)



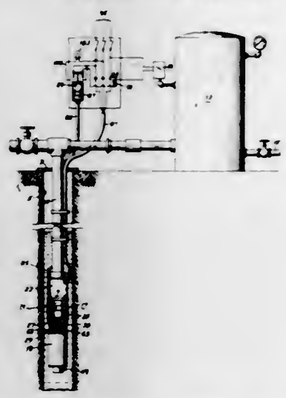
1. In an internal combustion engine, in combination, a cylinder having a bore and a concave end wall in the form of a spherical section, a piston slidable in said bore and having a convex head in the form of a spherical section of substantially the same contour as said cylinder end wall and adapted to closely approach said end wall at one end of its stroke, said piston having formed in its head laterally of its center point a recess in the form of an incomplete ellipsoid whose main axis is arranged to intersect the center axis of the piston at an angle, said recess when covered in the upper dead center position of the piston by a portion of the concave end wall of said cylinder forming a closed chamber containing almost the entire air content of the cylinder, and means for injecting the fuel into said chamber.

2,577,559

SUBMERSIBLE PUMP ASSEMBLY

John E. Armstrong, El Cerrito, and Frank Jacuzzi, Berkeley, Calif., assignors to Jacuzzi Bros., Incorporated, a corporation of California

Application July 1, 1948, Serial No. 36,538
4 Claims. (Cl. 103—87)



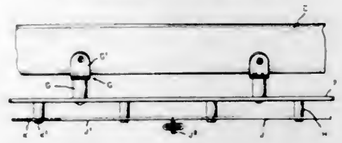
1. A submersible pump assembly comprising a pump unit having an upper end casting, a lower end pump bracket having an inlet opening therein, and a plurality of pressure stages on a pump unit shaft, a drive motor sealed to the lower end of said pump unit and having a shaft in alignment with said pump unit shaft and coupled thereto, means connecting said motor to an electrical power supply, rotary shaft sealing means within said pump bracket about said pump unit motor shaft and sealing the interior of said pump unit from said motor, said rotary sealing means including compressible packing means and a spring exerting a compressive force upwardly against said compressible packing means, said pump bracket forming a chamber below said rotary sealing means and adjacent thereto and including a wall opening for communication externally of said chamber, a continuously open oil line connected at one end to said pump bracket at said wall opening and extending upwardly to a point above ground level, an oil storage receptacle, means connecting said oil line in open communication with said oil storage receptacle, and a float-controlled switch associated with said oil storage receptacle and including a float adapted to rest on oil in said receptacle, said float-controlled switch being responsive to changes in oil level in said receptacle for altering the connection of said motor to said electrical power supply.

2,577,560

SADDLEBAG MOUNTING FOR MOTORCYCLES

James S. Ashdowne, Detroit, Mich., assignor to Joseph Buegeleisen Co., Inc., Detroit, Mich., a corporation of Michigan

Application July 14, 1947, Serial No. 760,747
2 Claims. (Cl. 224—32)



1. The combination with a saddle bag of a mounting for the same on a motorcycle, said mounting comprising a pair of brackets secured in spaced apart relation to a mud guard of the motorcycle, each of said brackets having an upper portion curved to fit over said mud guard and a downwardly extending depending portion, an outwardly projecting post at the lower end of each of said depending portions, a horizontally extending bar supported solely by means of said brackets and having its opposite ends respectively secured to the outer ends of said posts, studs projecting outwardly from said bar engageable with eyelets in the inner wall of the saddle bag and means located within the bag for locking the same to said studs.

2,577,561

COMBINATION ARMREST AND HEAT SHIELD

Leon W. Atwater, Williamston, Mich.

Application October 15, 1947, Serial No. 779,855
1 Claim. (Cl. 296—49.2)

A combination heat shield and arm rest for detachable association with the window sill of an automobile having a vertically slidable window pane operating in a centrally located slot in the sill, comprising a clip for embracing the inner portion of the sill with one portion of the clip depending into the slot adjacent the window pane, a padded rigid plate member, a hinge connection between the under side of said plate member and a part of said clip horizontally displaced with reference to said depending portion to be located at the inside edge of the sill, said plate member having a portion extending from said hinge connection away from the slot to overlie

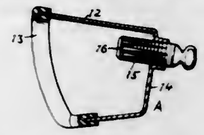
said clip and hinge connection, another portion of said plate member extending from said hinge connection across the slot to overlie the sill, said plate member hinging about said connection when the window pane is raised in the slot to dispose said plate member to the side of the window pane.

2,577,562

INSTRUMENT FOR CULTIVATION OF VOICE

David Baxter, Fort Wayne, Ind.

Application December 3, 1948, Serial No. 63,270
3 Claims. (Cl. 84—466)



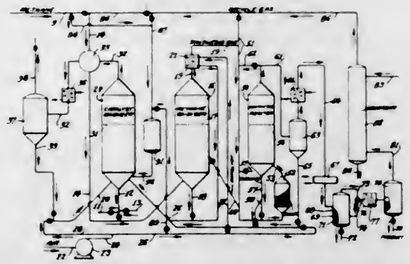
1. A voice culture instrument consisting of two chambers applicable respectively to the nose and mouth of a person, valves for said chambers projecting adjustably therein and each having a series of longitudinal flutes that vary increasingly in width toward one end of the valve and being adapted for passage of air into and from the corresponding chamber and the emission of tone from the instrument that is varied in volume accordingly as the valve is adjusted, and a coupler securing said chambers adjustably together.

2,577,563

PREPARATION OF HYDROGEN-CARBON OXIDE MIXTURES AND CATALYTIC REACTION THEREOF

Arnold Belchetz, Larchmont, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application May 20, 1947, Serial No. 749,282
21 Claims. (Cl. 260—449)



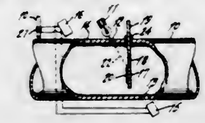
10. A process for the synthesis of organic compounds which comprises passing methane through a first reaction zone in the presence of a finely divided reducible metal oxide which in its reduced form is active as a catalyst for the hydrogenation of an oxide of carbon suspended in said gaseous mixture under conditions such that methane is oxidized to produce hydrogen and an oxide of carbon, withdrawing finely divided reduced metallic material from said first reaction zone and passing same to a second reaction zone, suspending said finely divided material in flowing oxygen under conditions such that the reduced metallic material is oxidized, removing finely divided oxidized metallic material from said second reaction zone and returning same to said first reaction zone to supply oxygen for the oxidation of the methane therein, withdrawing from said first reaction zone a gaseous effluent containing hydrogen, an oxide of carbon and entrained finely divided reduced metallic material, passing said gaseous effluent and said entrained finely divided material from said first reaction zone to a third reaction zone in which the hydrogen and oxide of carbon products of the methane oxidation are reacted with each other, suspending finely divided reduced metallic material in said third reaction zone, removing finely divided metallic material from said third reaction zone and recycling same to said second reaction zone, and removing from said third reaction zone a gaseous effluent comprising organic products of the process and separating same from said effluent.

2,577,564

FLUID FLOW CONTROL SYSTEM

Clifford C. Borden, Sr., New Providence, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 27, 1946, Serial No. 686,798
6 Claims. (Cl. 137—152)



1. A system for preventing the flow of fluid in a conduit in one direction and for controlling said flow within predetermined limits of velocity in the other direction comprising a conduit for said fluid, a valve arranged to block and unblock said flow, a light source, a light sensitive relay in light communication therewith, adjustable means for interrupting said light communication during flow of said fluid in the other direction between velocity values of substantially zero and a desirable maximum velocity, said means being operable to effect said light communication between said light source and said light responsive relay under conditions of flow in the one direction and conditions of flow in the other direction above said desirable maximum velocity, said light sensitive relay being operable to actuate said valve to a blocking position in response to light from said light source.

2,577,565

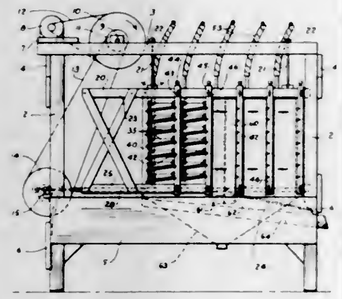
SEED CLEANER

Joshua Ernest Bradley, Stittsville, Ontario, Canada

Application February 26, 1946, Serial No. 650,342
2 Claims. (Cl. 209—112)

1. A seed cleaning machine comprising a main supporting structure, a shaker frame slung therefrom having front and rear pairs of upper and lower horizontal rails respectively, a longitudinally separated pair of vertical standards between the rear pair of vertically spaced rails

and another longitudinally spaced pair of vertical standards between the forward pair of vertically spaced rails, a stack of vertically spaced forwardly sloping trays disposed transversely of said frame and supported between said standards, vertical adjusting means for one of the



forward standards whereas the remaining standards are fixed, seed supplying means for the rear upper end of said trays, and a discharge chute for the forward end of said stack of trays attached only to the side of said trays opposite the standard having said vertical adjusting means.

2,577,566

3-THIENYL THIOETHERS

John W. Brooks, Wenonah, and Sigmund J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Original application December 13, 1947, Serial No. 791,652. Divided and this application November 22, 1948, Serial No. 61,524

1 Claim. (Cl. 260—329)

As a new composition of matter, allyl-3-thienyl thioether.

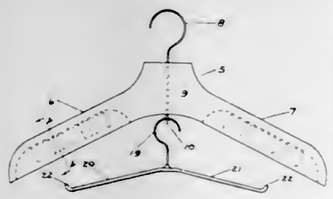
2,577,567

GARMENT HANGER

Earl E. Carlton, San Francisco, Calif.

Application August 2, 1947, Serial No. 765,733

1 Claim. (Cl. 223—86)



A garment hanger of the character described comprising a central portion and a pair of diverging arms extending laterally therefrom, each of said arms having an opening provided in the bottom surface thereof, an elongated perforated moth repellant container provided in each of the openings, and means for detachably retaining each container in its respective opening, said means comprising a pair of spaced spring clips partially encompassing each of said containers in each of the openings, said clips being fixedly mounted in each of said arms.

2,577,568

PLASTIC BINDING OF HARD CASED BOOKS

Luis de Florez and Peter de Florez, Pomfret, Conn., and Owen L. Gore, Great Neck, N. Y., assignors, by mesne assignments, to The de Florez Company, Inc., a corporation of Delaware

Application May 1, 1948, Serial No. 24,494

9 Claims. (Cl. 11—1)



9. In the manufacture of books, the steps of establishing a book block consisting of a multiplicity of separate leaves having a smooth back edge surface in which the edge of each component leaf is squarely exposed, applying to said back edge surface an insoluble thermoplastic adhesive dispersed in a water emulsion thereof and adapted to penetrate edgewise into each leaf, drying the adhesive to solidify the same, rounding and backing said back edge surface by mechanical deformation with the adhesive at an elevated temperature which renders it yieldable against rupture of its adhesive bond, said rounding and backing operation providing the book block with a rounded, hinge-defining configuration which is permanently maintained when the adhesive is fully cooled and set and which is adapted for application of a hard casing to the block, and said rounding and backing operation including flaring the leaves of the block toward each side of the back edge surface to constitute ridges at the sides of said surface for providing said hinge-defining configuration which is maintained as aforesaid when the adhesive is set.

2,577,569

ADJUSTING DEVICE

Charles Demuth, Mineola, N. Y.

Application September 14, 1948, Serial No. 49,158

2 Claims. (Cl. 74—531)



1. In an adjusting device the combination of a shaft member and a sleeve member providing a bore through which said shaft extends, said shaft being of generally oval cross-section throughout its operable length, said bore having major and minor diameters greater than the respective major and minor diameters of said shaft, said sleeve comprising two sections each having a substantially semi-cylindrical portion with aligned diametrically opposed portions disposed as outwardly extending continuations thereof, the aligned portions of one section being spaced apart in a direction normal to the corresponding portions of the other section and being secured thereto at zones spaced outwardly from said semi-circular portions in the direction of said alignment, whereby said sleeve sections are resiliently yieldable for frictional engagement with said shaft when the latter is rotated to a position where its major diameter approaches alignment with the minor diameter of said sleeve, and said shaft is freely slidable through said sleeve bore in one angular position to provide for axial adjustment and is frictionally locked to said sleeve member in another angular position.

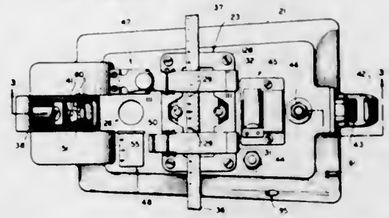
2,577,570

APPARATUS AND METHOD FOR ELECTRICALLY SPLICING FILM

Ben Eisenberg, Larchmont, N. Y.

Application August 6, 1947, Serial No. 766,843

19 Claims. (Cl. 154—42.1)



18. Apparatus for electrically splicing thermoplastic film sections comprising means for holding said sections with their ends in abutting relation along a junction line, and a pressure block adapted to apply pressure to said film section ends, said block being formed of an insulating material and having inserted therein a narrow strip of metallic material adapted to overlie said junction line.

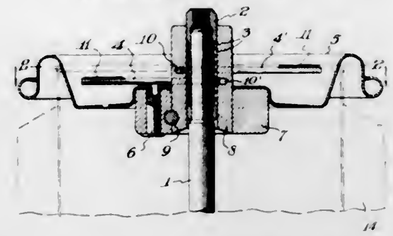
2,577,571

APPARATUS FOR YARN TWISTING

Alvin L. Ewing, Chester, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

Application September 22, 1949, Serial No. 117,167

4 Claims. (Cl. 57—59)



1. In combination, a grooved spindle; a bobbin cap having a bushing adapted to fit on said spindle, the bushing having a slot and positioned therein locking means cooperating, by action of centrifugal force, with said grooved spindle to hold said cap on said spindle.

2,577,572

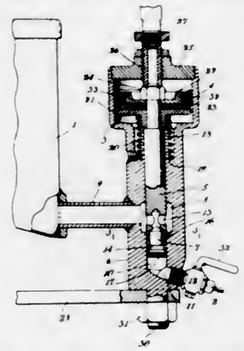
WRITING FLUID DISPENSING APPARATUS

Fred Ferber, Hohokus Township, Bergen County, N. J.

Application January 10, 1947, Serial No. 721,388

1 Claim. (Cl. 222—334)

Dispensing apparatus comprising a receptacle, a casing adjacent said receptacle, a pipe connecting the casing to the receptacle, a plunger in the casing, the latter having a chamber surrounding the plunger and communicating with the pipe, the plunger having a cavity in one end and a passage connecting the cavity to the chamber, the casing having an outlet, a delivery tube connected to the outlet adjacent one end beyond the plunger, a valve in said cavity to control said passage, the cavity having an annular shoulder at its inner end and longitudinal grooves extending from said shoulder to the open end of the cavity, said valve being cone-shaped at its inner end to engage the shoulder, a transverse pin in the plunger to retain the valve in the cavity, the valve being movable between the shoulder and the pin, a power cylinder connected to the opposite end of the casing, a piston therein attached to the



opposite end of the plunger, the casing having a shouldered recess in the end adjacent the cylinder, a spring in the recess engaging the piston, and a hollow gland in the cylinder for connection to a power medium, said gland being adjustable to limit the stroke of the piston.

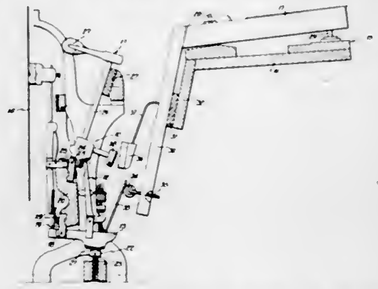
2,577,573

PIANO ACTION

William S. Finholm, New York, N. Y.

Application June 19, 1945, Serial No. 600,316

13 Claims. (Cl. 84—240)



1. In an upright piano action, a wippen, a hammer above the wippen, a keyboard having a key pivotally mounted thereon above and forward of the wippen, an actuating element for the hammer in operative relation to the wippen and extending upward therefrom, and means operable by said key and fixed thereon for imparting a kicking force to said wippen, said means comprising a member extending upward from the wippen, and disconnected from the first means.

2,577,574

LIQUID COOLING APPARATUS

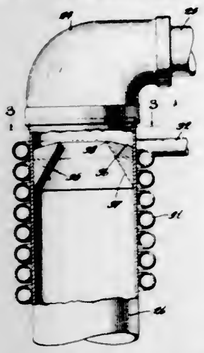
Clyde P. Freer, Warren, Ohio, assignor to Halsey W. Taylor Co., Warren, Ohio, a corporation of Ohio

Application August 24, 1948, Serial No. 45,958

1 Claim. (Cl. 62—141)

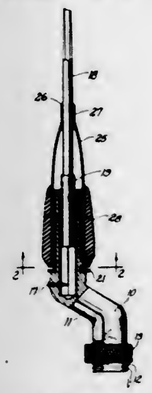
A pre-cooler device for use in conjunction with a substantially vertically disposed drain pipe of a drinking fountain, said drain pipe having a supply pipe for drinking water disposed in a coil therearound, comprising a ring member of gen-

erally angular cross-section closely fitting within said drain pipe and having an upwardly and inwardly inclined top surface forming with the adjacent inner wall surface of said drain pipe an annular trough terminating in an inner elevated peripheral discharge lip disposed in a substantially horizontal plane, the lower wall surface of said ring member extending downwardly and outwardly from said lip and terminating closely adjacent the inner wall surface of said drain pipe, a portion of the chilled waste water entering said



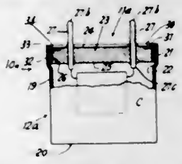
drain pipe being collected by said trough and discharged over said lip in a uniform peripheral overflow, a portion of said overflow water thereafter adhering to said lower wall surface of said ring member and thence adhering to the inner peripheral inner surface of said drain pipe and passing by gravity substantially directly downwardly therethrough, whereby drinking water in said supply pipe is initially pre-cooled by the chilled waste water adhering to and discharged through said drain pipe.

2,577,575
FISHING ROD
Harry M. Gephart, Elmhurst, Ill., assignor to Gephart Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1948, Serial No. 38,449
1 Claim. (Cl. 43—23)



In a fishing rod assembly wherein a tubular end portion of a handle is telescopingly engageable in and separable from a resilient ferrule secured on an end portion of a rod and carrying a surrounding hand-grip member to facilitate assembling and separating said assembly, the improvement comprising a rib extending axially along and projecting radially outwardly from the tubular end portion of said handle, an open end portion of said resilient ferrule adapted frictionally to engage about said tubular end portion and having a deformity providing a groove and a rib both extending axially along and projecting radially outwardly from the inner and outer surfaces of said open end portion, respectively, said groove being adapted to receive therein the rib of said tubular end portion and being slightly wider than the last said rib to permit slight relative rotation between said ferrule and said tubular end portion when they are in telescoping engagement to facilitate separating the handle from the rod, and said hand grip member having an axially extending groove at its inner surface registering with the rib of said open end portion and into which the last said rib extends when said ferrule and tubular end portion are in telescoping engagement and the rib of the latter is in the groove of said ferrule.

2,577,576
HERMETIC CRYSTAL HOLDER
Mannes N. Glickman and Michael Klebanoff, Nutley, N. J.
Application November 30, 1950, Serial No. 198,312
3 Claims. (Cl. 171—327)



1. A piezoelectric crystal device comprising a hollow metal casing open at one end, a hermetic seal for the open end of said casing comprising a thin flat vitreous body of substantially uniform thickness, a pair of spaced terminal members extending through and sealed to said body, a metal rim member sealed to peripheral portions of said body, said rim member including a portion sealed to the peripheral edge of said body and terminating at one face thereof so as to leave a maximal area of the vitreous body exposed to the interior of the casing, a crystal mounted on the ends of said terminal members extending from said last mentioned face of the body, the portions of said terminal members extending from the other face of the body being frictional contact means for connecting said mounted crystal in an external circuit and subject to mechanical strains arising from supporting said device, said rim member engaging the open end of said casing and a solder seal uniting said rim member to said casing, said vitreous body, terminal members and rim member having substantially the same coefficient of expansion.

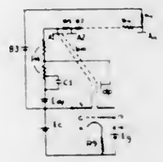
2,577,577
HOLDER FOR COSMETICS
Henry Groh, Glen Spey, N. Y., assignor of one-half to Harry W. Cron, Port Jervis, N. Y.
Application September 21, 1948, Serial No. 50,300
1 Claim. (Cl. 206—56)

A holder for a lipstick or the like, comprising a cylindrical base shell closed at one end thereof, a vertical slot in the wall of the shell, the slot extending from adjacent the lower end of the shell to a point above the transverse medial line, a cup for supporting a lipstick in a vertically upright position and disposed for vertical movement within the shell, the cup having a diameter slightly less than the internal diameter of the shell, the cup having a closed bottom, the bottom having an opening disposed therein at a point diametrically opposite to the slot, means for resiliently and releasably holding the cup against the inside of the shell adjacent the slot comprising a U-shaped flat spring having legs of unequal length, the longer leg having a supporting arm at right angles thereto engaging the bottom of the cup and supporting the same, the free end of the supporting arm having an upturned portion at right angles thereto, the upturned portion extending through



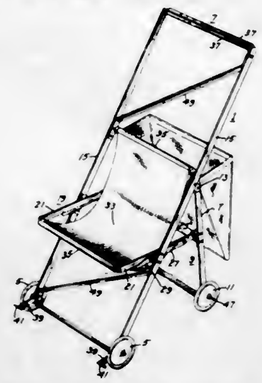
the opening in the bottom of the cup and fastened to the cup, the short leg of the U-shaped flat spring extending through the vertical slot of the shell, an elevator attached to the short leg, the elevator being longer and wider than the vertical slot so as to entirely cover the same when the cup is withdrawn into the shell, the U-shaped spring normally urging the cup against the inside wall of the shell adjacent the vertical slot so as to frictionally engage the same and upon inward and upward pressure on the elevator the frictional pressure is relieved and the cup may be elevated and lowered.

2,577,578
TRIGGERING IN ELECTRONIC SWITCHING DEVICE
Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application August 1, 1946, Serial No. 687,637
In Great Britain August 3, 1945
13 Claims. (Cl. 250—27)



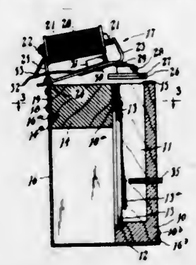
1. In an electronic switching system, an electron discharge device of the beam deflection type comprising a cathode, a deflection plate and a plurality of anodes, a feedback circuit connected from said anodes to said deflection plate, a beam formed in said device and controlled by changes in the potential of said deflection plate to move from one anode to another, said beam being normally positioned on a certain one anode, means for initially changing the potential of said one certain anode to cause, by way of said feedback circuit, a change in the potential of said deflection plate to cause said beam to move from said one anode to the next, and means responsive to the movement of said beam from any one anode to the next anode for causing further changes, by way of said feedback circuit, in the potential of said deflection plate to cause said beam to move from each anode to the next succeeding anode.

2,577,579
COLLAPSIBLE CART
Bertie R. Hall, Berkeley, Calif.
Application May 5, 1945, Serial No. 592,125
6 Claims. (Cl. 280—41)



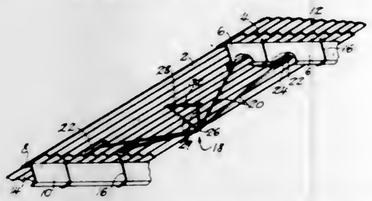
1. A collapsible go-cart comprising a main frame having a handle at one end and a pair of wheels at the opposite end; a rear frame having a pair of wheels at one end and a cross-bar at its other end; means pivotally securing said rear frame to said main frame at an intermediate location thereof with the cross-bar of said rear frame approximately arm's length from said handle in the collapsed condition of said go-cart; a seat frame pivotally connected to said rear frame; and link means interconnecting said seat frame and said main frame to limit the maximum permissible angle of spread between said main frame and rear frame, said link means including extensions directed toward each other to support said seat frame in a substantially horizontal position when said cart is in open condition.

2,577,580
ORGAN VALVE
Jacob C. Hallman, Kitchener, Ontario, Canada
Application August 13, 1949, Serial No. 110,127
6 Claims. (Cl. 84—337)



1. The combination of a reed cell through which air is adapted to flow, having an air inlet port and an air outlet opening, a reed mounted in the reed cell for vibration by the air flow, a valve having a head movable to open and close said inlet port, the air flow normally retaining the head in port closing position, spring means tending to urge the valve into an open position against the air flow, the pressure of said spring means being insufficient to open the valve against the air flow but sufficient to cushion the valve closing movement, and means for lifting the head from the port to permit air flow through the cell.

2,577,581
ROOF CONSTRUCTION
Andrew B. Hammitt and Herbert L. Birum, Jr., Trenton, N. J.
Application November 13, 1946, Serial No. 709,556
1 Claim. (Cl. 108—1)



A roof construction comprising a substantially rigid framework embodying spaced purlins held in fixed relative positions, corrugated sheet material which is substantially rigid and formed of cement-asbestos composition supported adjacent opposite ends thereof by said purlins, means for securing said sheet material to said purlins and means cooperating with the sheet material to form a stress couple in which the sheet material acts as a compression member, said means including a transverse truss having a saddle extending transversely of the sheet substantially midway between said purlins and formed to engage a plurality of said corrugations and having a support projecting from the saddle substantially at right angles to the sheet material, and tension members connected to said sheet material adjacent the ends thereof and between said purlins and having the central portion thereof spaced from the sheet material by said support to provide the triangular relation of elements characteristic of a truss.

2,577,582
ROOF CONSTRUCTION
Andrew B. Hammitt and Herbert L. Birum, Jr., Trenton, N. J.
Application February 4, 1947, Serial No. 726,262
2 Claims. (Cl. 108—1)



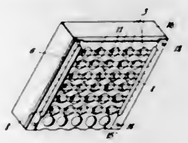
1. In a roof construction embodying corrugated sheet material arranged with the ends of the sheets overlapping and supported by purlins, means for supporting said sheet material between said purlins comprising a bridging member having its opposite ends resting upon the surfaces of said purlins engaged by the sheet material and within a corrugation thereof, one end of said bridging member having a laterally extending part for engaging a purlin and the other end of said bridging member being threaded and having means thereon for securing said opposite end to another purlin, said bridging member having a portion thereof between said purlins spaced from the lower surface of said sheet material, a rigid supporting member extending from said portion of the bridging member to said sheet material and cooperating therewith to hold the bridging member and sheet material in predetermined spaced relation, and fastening means extending through the overlapping portions of said sheets and into retaining engagement with said purlins, said supporting member being of greater length than the distance between said portion of the bridging member and a plane including the surfaces of said purlins engaged by the sheet material whereby the supporting member tends to thrust the sheet material upward adjacent the center thereof.

2,577,583
TIME SWITCH ATTACHMENT FOR ALARM CLOCKS
Glenn J. Hines, Minneapolis, Minn.
Application July 7, 1947, Serial No. 759,445
1 Claim. (Cl. 200—35)



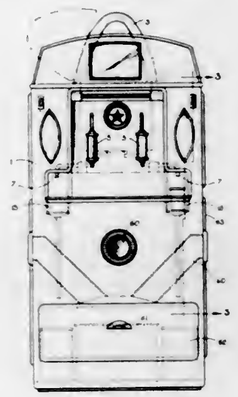
A time-controlled electric switch in the form of a self-contained unit including a case having means for operating the wind member of an alarm clock, an arm having on one end a head pivoted to the case, said head having a slot on the arc of a circle having its center at the axis of the pivot for the head, and a set screw extending through said slot and having threaded engagement with the case for locking the head against pivotal movement, said arm having a longitudinal slot for a screw holding the back member of the alarm clock in place to attach the case to the alarm clock.

2,577,584
MANUFACTURE OF MESHLIKE ORNAMENTAL ARTICLES
Alois Hofreiter, Wattens, Tirol, Austria, assignor to D. Swarovski Glasfabrik und Tyrolit Schleifmittel-Werke, Wattens, Tirol, Austria, a firm
Application February 19, 1948, Serial No. 9,426
In Austria August 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 12, 1966
7 Claims. (Cl. 18—36)



4. The method of producing ribbons composed of a plurality of molded decorative elements, each element having a portion of maximum cross section and two groups of parallel string means extending through said elements at their maximum cross section and in two parallel planes, which method comprises embedding the ends of the string means of one group in bars extending crosswise to the string means, tensioning the string means of said group across the maximum cross section of cavities in a mold by pressing the bars in corresponding grooves in the mold, setting another group of string means within the mold independently of the first group and in a plane parallel to the first group and adjacent the maximum cross section of the cavities, pouring a molten material into the mold, and severing the bars from the string means after the material has hardened.

2,577,585
COIN-CONTROLLED LIQUID DISPENSING DEVICE
Elno Hongell, Verdun, Quebec, Canada
Application July 17, 1948, Serial No. 39,229
6 Claims. (Cl. 225—21)



1. A liquid dispenser comprising a cabinet, a reservoir therein, a measuring chamber connected therewith and an outlet faucet for said chamber, a normally closed valve between said reservoir and said chamber and a normally open valve between said chamber and said faucet, mechanism for said valves so that they operate reversely in substantial synchrony, a gravity-operated one-way drive for said mechanism, a motor-driven return for said gravity-operated drive automatically actuated by said gravity-operated drive and a coin-releasing holding device for said gravity-operated one-way drive mechanism; said holding device being resettable by said automatic, motor-driven return.

2,577,586
TANK PLUG
Harold A. Maguire, Bedford, Ohio
Application January 15, 1948, Serial No. 2,531
1 Claim. (Cl. 85—9)

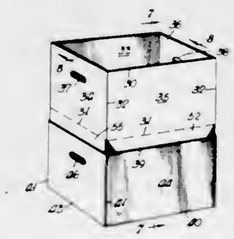


In a device for plugging an opening in the wall of a tank or the like, a shank insertable through the opening to be plugged, said shank having a transverse opening through one end thereof, one section of the opening having a larger diameter than that of the remainder of the opening and forming a shoulder within the opening; a cross pin slidable in the opening and having a shoulder at the central portion adapted to abut the shank at the smaller end of said transverse opening for positioning the cross pin; and a spring adapted to be compressible entirely within said one section of the transverse opening and surrounding the portion of the cross pin extending in said one section of said opening and resting on the first mentioned shoulder, the end of the said portion of the pin having a stop having an axial length that is a small fraction of the axial length of the pin and being engaged by said spring and having a diameter less than the diameter of the opening in said one section whereby said spring and stop are adaptable to be concealed in said opening having the larger diameter when said pin is in position for insertion through the opening in the wall of said tank, and said spring being adapted to normally maintain the pin in a position in which the shoulder on the pin is in engagement with the shank, said spring when the pin is in said latter position being exposed to one side of the shank for a considerable portion of its length.

2,577,587
PROCESS FOR RECOVERING WAX FROM SUGAR CANE
Victor Merz, Burton-upon-Trent, England
No Drawing. Application November 12, 1949, Serial No. 126,929. In Great Britain April 14, 1949
6 Claims. (Cl. 260—412.5)

1. A process for the separate recovery of high melting point wax and fatty substances direct from sugarcane filter residues commonly known as muds or cachaza characterised by extracting the said filter residues preferably air-dry with a selective organic solvent, first at a predetermined temperature at which the organic solvent dissolves the bulk of the fatty substances without dissolving the wax, separating the solution of the fatty substances from the residue and then extracting the residue with the same solvent at a higher temperature, near the boiling point of the solvent, whereby the hard wax is dissolved, collecting the solutions of fatty substances and wax in separate receptacles and then distilling off the solvent from said receptacles to obtain the fatty substance and hard wax respectively.

2,577,588
DOUBLE-WALLED COLLAPSIBLE CARTON
Richard E. Paige, New York, N. Y.
Application November 29, 1946, Serial No. 712,818
26 Claims. (Cl. 229—41)



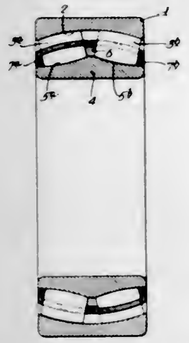
1. In a collapsible carton, snugly nested inner and outer tubular shells each of which comprises hingedly connected panels, said shells being axially adjustable into and out of a telescopically contracted set-up relationship in which the overlying panels define a set of double-walled carton sides, and foldable means for forming the bottom of the carton connecting said shells along one set of adjacent end edges, said foldable means being hinged at the ends to adjacent edge portions of said inner and outer shells; said ends and said edge portions of the shells lying substantially in the same plane when the shells are in fully telescoped relation.

2,577,589

DOUBLE-ROW ROLLER BEARING

Nils Arvid Palmgren, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application October 6, 1949, Serial No. 119,819
In Sweden November 5, 1948
1 Claim. (Cl. 308—212)



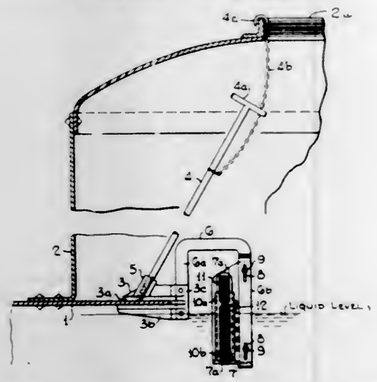
A roller bearing having an inner race ring, an outer race ring and two rows of rollers with symmetrical rolling surfaces interposed between said rings, cage means of window type, one of said race rings having a raceway forming a zone of a sphere and common to both of the rows of rollers, the other of said race rings having a separate race for each of said rows and a cylindrical surface between the said races, and a guide ring disposed between the rows of rollers and having a cylindrical surface slidably centered on the cylindrical surface of the race ring and axially movable thereon.

2,577,590

LIQUID GAUGING DEVICE

Leonard S. Payne, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware

Application July 19, 1950, Serial No. 174,660
4 Claims. (Cl. 73—290)



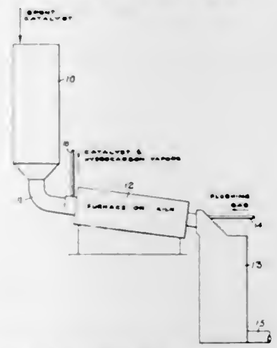
1. A liquid level gauging device, comprising a mounting clamp member, said member having opposed upper and lower jaw portions, means for rigidly engaging said member with a fixed reference element for determining liquid levels in a container vessel with said element disposed between said jaw portions when thus engaged, a substantially J-shaped support arm secured in inverted position by the shorter leg portion thereof to said clamp member, with the longer leg portion depending below said clamp member, an open ended hollow, liquid receiving, gauge element supported on said longer leg portion of said arm with a major portion of the length of said gauge element extending below said clamp, said gauge element having an upper and a lower end and a reflex glass viewing face, fixed pointer means associated with said gauge element, and the glass face thereof, adjacent the upper end of said element, and adjustable means for positioning said gauge element with reference to the clamp to establish said pointer means in the same plane with the upper face of said clamping member lower jaw portion.

2,577,591

PREPARATION OF A SUPPORTED ALUMINUM-HALIDE-CARBON CATALYST

Howard R. Sailors, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 10, 1947, Serial No. 790,877
15 Claims. (Cl. 252—442)



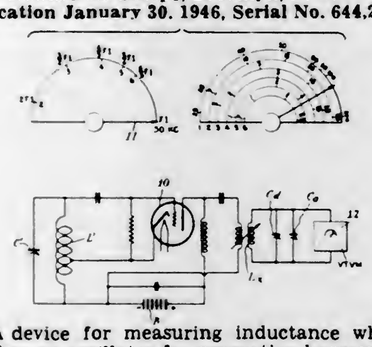
1. A method of processing an aluminum halide-hydrocarbon complex supported on a solid inorganic adsorptive carrier which comprises heating the complex to a temperature of from 400° F. to 900° F. to decompose it, vaporize the aluminum halide and hydrocarbons, and deposit carbon on said carrier.

2,577,592

INDUCTANCE AND SELF-CAPACITANCE MEASURING DEVICE

Edward M. Shiepe, Brooklyn, N. Y.

Application January 30. 1946, Serial No. 644,284



1. A device for measuring inductance which comprises an oscillator for generating harmonics, a measuring circuit connected to be energized by said harmonics and consisting of a coil of unknown inductance and a variable condenser; said condenser having a series of inductance scales, each of which is calibrated for a different harmonic of the fixed starting frequency of the oscillator; means for indicating resonance in the measuring circuit, means for changing the fundamental frequency of the oscillator from its starting value, and a scale adjacent the oscillator for indicating different harmonic frequencies, with each division on said scale corresponding with one of the inductance scales of said variable condenser.

2,577,593

STABILIZING CELLULOSE YARNS

Jefferson A. Stokes, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 21, 1946, Serial No. 717,813
6 Claims. (Cl. 117—136)

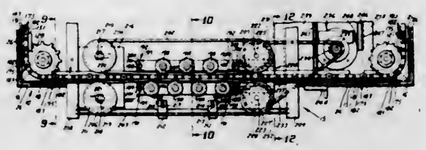
1. The process of stabilizing regenerated cellulose yarns against deterioration by heat which comprises impregnating said yarns with 1-phenylbiguanide to the extent of at least 0.1% by weight of said yarns.

2,577,594

COATING MACHINE CONVEYER

Howard W. Taylor, Danbury, Conn.

Application November 24, 1947, Serial No. 787,693
8 Claims. (Cl. 198—19)



8. In a machine of the character described, a horizontal frame structure, horizontal sprockets supported from said frame structure, an endless chain supported on said sprockets for movement relative to said frame structure, means for driving one of said sprockets and thereby said chain, upstanding pin-like extensions at spaced points along the length of said chain, work spindles on said extensions and movable therewith and adapted to be raised thereon and rotated relative thereto, a pair of pulleys at each side of a portion of said chain and spaced longitudinally of said chain portion, sets of idlers at each side of said chain portion and located between and in an elevation slightly above that of the pulleys of the respective pairs, an endless belt trained over each pair of pulleys, said belts having their adjacent flights trained over the respective sets of idlers whereby the adjacent flights of the belts at the respective sides of the chain portion incline upwardly to and then along said idlers and then incline downwardly, said adjacent flights of the belts being arranged to engage work spindles as the chain moves between said belts to elevate said spindles on the pin-like extensions and rotate the spindles and to again lower the spindles fully onto the pin-like extensions, means for driving one pulley of each of said pair, means for independently adjusting said pulleys vertically, and other means for vertically and simultaneously adjusting all of the idlers of a set.

2,577,595

ARTICULATED PILLOW AND CASE

Joseph J. Tobias, New York, N. Y.

Application August 5, 1948, Serial No. 42,677
7 Claims. (Cl. 5—341)



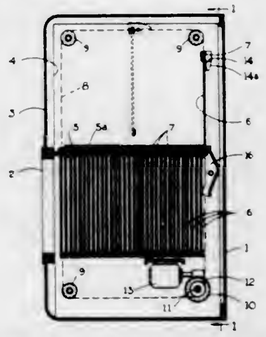
1. An articulated pillow and pillow case comprising a plurality of head pillows disposed end-to-end, a tubular pillow equal in length to the combined length of the head pillows and an articulated pillow case snugly enclosing all of the said pillows, maintaining corresponding sides of said head pillows in a row along one side of said tubular pillow and permitting the flexing of the tubular pillow without lifting any of the pillows from the supporting surface, thereby changing the end-to-end relation of the head pillows when a sleeper needs to use one of the head pillows to rest his back.

2,577,596

CARD DISPLAYING APPARATUS

Joseph E. Wood, Toronto, Ontario, Canada

Application November 15, 1948, Serial No. 60,110
4 Claims. (Cl. 40—36)



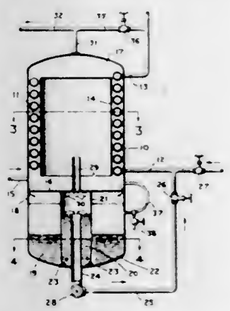
2. In a card changing apparatus enclosed within a windowed, box-like cabinet, a pair of spaced horizontal side rails, a plurality of independent cards suspended therefrom in a horizontal pack one behind the other with the front-most in registry with and viewable through the cabinet window, said cards being slidable on said side rails and substantially filling the same from end to end, card-moving mechanism engageable with the front-most card in the pack and operable over the pack to reinsert the engaged card at the rear comprising a spaced pair of endless chains with correspondingly placed card pick-up fittings included therein, spaced idlers supporting and driving means for said chains, a card moving mechanism-operated card pack patter acting on the rear thereof, said patter comprising a pair of patter plates pivotally mounted in said cabinet each with a flared mouth on its upper side and normally held in engagement with the rear of one of said side rails by a retractile spring, and a wedge-shaped patter plate spreader carried by each of said chains.

2,577,597
DENTAL FLOSS HOLDER
Charles E. Wright and Lionel A. Leicester, Toronto, Ontario, Canada
Application May 3, 1948, Serial No. 24,775
7 Claims. (Cl. 132—91)



1. A dental floss holder having a handle, an elongated axially extending shank on said handle, and a U-shaped fork formed by a pair of curved prongs attached to said shank opposite the handle, the shank joining the fork at a point spaced from the mid-point of the U to form a long prong and a relatively shorter prong so that a line joining the tips of the prongs is biased with respect to the axis of the shank and the handle, and in which the plane of the U is biased with respect to the axis of the shank and handle.

2,577,598
WATER REMOVER AND AIR CONCENTRATOR FOR REFRIGERATING SYSTEMS
Joseph R. Zwickl, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 1, 1950, Serial No. 153,318
9 Claims. (Cl. 62—117.85)



2. In a refrigerating system containing a volatile refrigerant and including a condenser and an evaporator, means for purging the system of polluting condensibles including a separator structure embodying a shell, a heat exchange element in said shell, means for delivering liquid refrigerant to said heat exchange element, means for delivering non-condensible gases mixed with condensible vapors from the condenser into said shell to provide condensation of the condensible vapors by said heat exchange element, said shell having a separation space therein below said heat exchange element into which the condensed vapors pass, a partition forming a refrigerant compartment in said separation space, a baffle supported by said partition and providing restricted communication between the space in the shell surrounding said heat exchange element and said separation space, a riser extending upwardly in said refrigerant compartment for maintaining a predetermined level of condensed refrigerant in the refrigerant compartment, means for withdrawing separated out polluting condensate from said separation space.

2,577,599
SHOCKPROOF CASE FOR BOREHOLE MEASURING INSTRUMENTS
Raoul J. Bethancourt, Corpus Christi, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 3, 1948, Serial No. 42,226
3 Claims. (Cl. 73—151)



1. A shock-absorbing housing for instruments used in measuring and recording borehole information in well drilling operations adapted to be suspended by a wire line comprising, in combination: a tubular chamber constructed to receive and enclose said instruments; a nose plug divided into shock-absorbing and connector members detachably attachable to the lower end of said chamber, said shock-absorbing member including a metallic nose piece, a plurality of slotted resilient disks above said nose piece to absorb vertical shock, a metallic body section above and adjacent said resilient disks, a longitudinally movable pin centrally disposed in said body section and through said resilient disks connecting said nose piece to the body member in alignment therewith, a plurality of resilient rings of a diameter larger than said body section compressed between the shock-absorbing and connector members to absorb lateral shock, and the connector member constructed to attach said shock-absorbing member to the instrument chamber; a tail plug longitudinally and concentrically apertured to receive said suspending line and divided into shock-absorbing and retainer members detachably attachable to the upper end of said chamber, a resilient sleeve within the suspending line aperture of the shock-absorbing member enclosing the suspending line and adapted to absorb vertical operating shocks, a plurality of resilient rings of a diameter larger than said shock-absorbing member compressed between the shock-absorbing and retaining members to absorb lateral shock, and said retainer member threaded to engage said shock-absorbing member above said resilient rings.

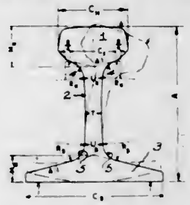
2,577,600
HAT HOLDER
Ruby Lipton Brill, New York, N. Y.
Application March 5, 1946, Serial No. 652,013
3 Claims. (Cl. 132—58)

1. A hat holder including a flexible strand having anchor pins at the ends thereof and a metal clamp attached thereon, said clamp comprising a longitudinally split metal sleeve having a fabric covering providing a rough hair-contacting surface, said fabric extending around the outside of said sleeve and having its ends bent over the



edges of the sleeve so as to be held by the sleeve when the latter is clamped on the flexible strand.

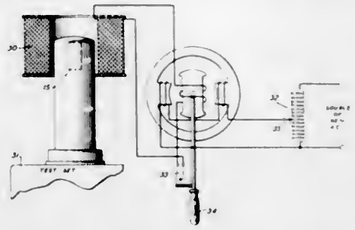
2,577,601
RAILWAY RAIL
George R. Burkhardt, Chicago, Ill.
Application December 15, 1944, Serial No. 568,309
5 Claims. (Cl. 238—125)



1. A Vignoles type rail having a head section, a base section, a web section, head-web fillets and base-web fillets, the sides of said web section being of a substantially flat concave curvature, the point of minimum width of said web lying between the point of tangency of the head-web and base-web fillets with the web and being along a horizontal line passing through the center of curvature of the arcs of greatest radii of the web on opposite sides of the vertical center line of the cross section of the rail, the width of the web at the juncture with the head-web and base-web fillets being not less than said minimum width, the radius of each of said fillets being not more than 1.6 and not less than 0.8 times the width of the web at its juncture with the fillets, said head section at its thickest point having a depth of not more than 4 and not less than 2.4 times the width of the web at the juncture of web and head-web fillets, the maximum width of said head being not more than 4 times and not less than 2.5 times the width of the web at the juncture of the web and head-web fillets, the overall height of the rail being not more than 13 times the minimum width of web, not more than 1¼ times and not less than the width of the base to provide against overturning by the resultant of vertical and lateral loads and being greater than the width of the base section which is not less than twice the width of the head section.

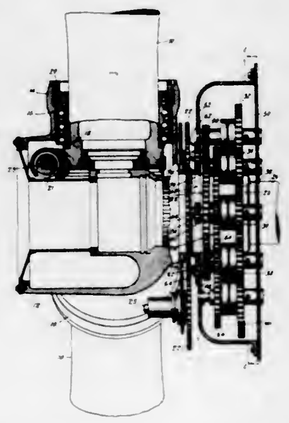
2,577,602
METHOD FOR ADJUSTING THE SENSITIVITY OF CONTACT DEVICES
Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1947, Serial No. 777,199
7 Claims. (Cl. 175—320)

1. A method for adjusting the sensitivity of a magnetically shielded make and break contact device of the type wherein a magnetizable armature biased by a permanent magnet coupled thereto is caused to make operative contact with an electrode in response to a current of specified amplitude flowing through a winding which is also magnetically coupled to said armature, comprising the steps of overmagnetizing said permanent magnet with respect to the ultimate magnetic adjustment required thereof, demagnetizing said permanent magnet by subjecting same



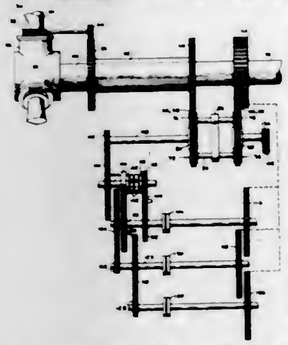
to a demagnetizing magnetic field sufficiently intense to saturate said magnetic shield, testing said contact device by passing a current through the winding thereof to determine the effect of said demagnetization step in adjusting the contact device to the specified sensitivity value, and continuing said demagnetizing and testing steps upon said contact device until the specified sensitivity adjustment is attained.

2,577,603
PROPELLER PITCH CHANGE MECHANISM
Charles W. Chillson, Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 24, 1946, Serial No. 699,024
9 Claims. (Cl. 170—160.28)



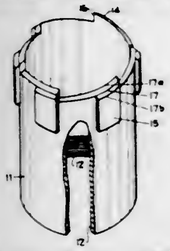
5. In a propeller pitch-changing mechanism for a propeller having rotatably mounted blades, a planetary gear system comprising coaxial sun and ring gears one including means to hold it against rotation and the other being drivably connected to rotate said blades to alter the pitch thereof, planet gears meshing with both said sun and ring gears, a carrier for said planet gears, at least one drive gear coaxially secured to said carrier, a plurality of individual gears of different diameters in mesh with said carrier gear and means driven by propeller rotation operable to drive said individual gears.

2,577,604
PROPELLER PITCH CHANGING MECHANISM
Charles W. Chillson, Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 23, 1947, Serial No. 762,853
6 Claims. (Cl. 170—160.28)



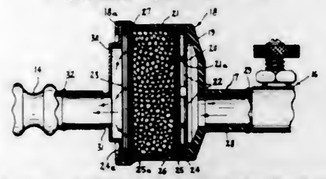
1. In a variable pitch propeller, a hub, blades swivelled therein for pitch change, a drive shaft, a sleeve on said drive shaft, means responsive to the relative rotation between said sleeve and shaft for effecting pitch change, a pair of planetary gear trains each having coaxial gears and planet gears interposed and having a common planet carrier, a coaxial gear of each planetary geared to said sleeve and shaft respectively, means for fixing one of the remaining coaxial gears, and means for holding, or driving the other remaining coaxial gear at different speeds and in different directions to fix, or increase or decrease pitch at different speeds, said means for driving the other gear including means for deriving driving torque from the drive shaft at three different speeds and in either direction.

2,577,605
ROTARY WASHOVER SHOE
Max L. Clayton, Iberia, La., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 23, 1949, Serial No. 117,436
1 Claim. (Cl. 255—61)



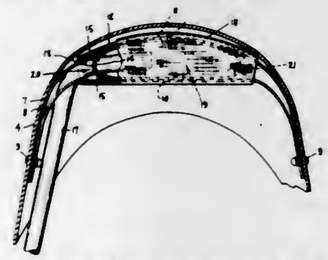
A rotary washover shoe comprising a tubular body member open at both ends, means carried on one end of said body member for attaching it to a string of pipe, a plurality of cutting teeth formed at the other end of said body member and projecting longitudinally therefrom, and a plurality of auxiliary reaming teeth affixed in spaced relationship in a single row to the outer surface of said body member adjacent the cutting faces of said cutting teeth, the spaces between said auxiliary teeth forming longitudinal water courses through which drilling fluid may circulate, each of said cutting and reaming teeth having outwardly beveled annular faces flush with each other in a single plane.

2,577,606
FILTERING MEANS FOR AIR SUPPLY DEVICES
Thomas A. Conley, Harrisville, R. I., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 15, 1950, Serial No. 144,357
7 Claims. (Cl. 183—45)



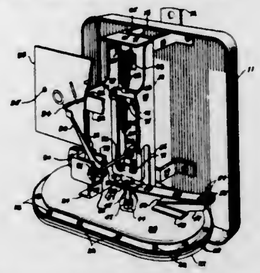
1. A device of the character described comprising filtering means embodying a canister having an opening in each side communicating with the interior thereof, and filtering media within said canister for purifying air passing therethrough, a hose for directing air to said filtering means, a second hose for conduction of air passing from said filtering means, means for attaching said filtering means to said hoses comprising a casing of pliable material partially enclosing said canister, interfitting means on said canister and said casing for causing the casing to closely encompass the canister to prevent leakage of air therebetween, an internal groove formed circumferentially in said casing, and a disc-like adapter having its peripheral edge closely interfitting with said groove for further enclosing said filtering means, said casing having connection means on the side thereof opposite the adapter and connected to one of said hoses, and said adapter having connection means connected with the other of said hoses whereby air is permitted to pass from said first hose directly to said filtering means and from said filtering means directly to said second hose.

2,577,607
AIR SUPPLY SYSTEM FOR WELDERS' HELMETS
Thomas A. Conley, Harrisville, R. I., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 16, 1950, Serial No. 144,497
9 Claims. (Cl. 128—142)



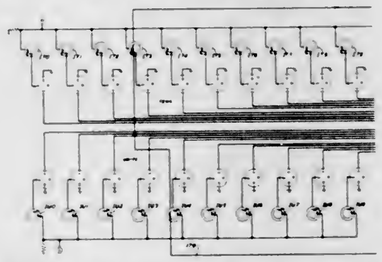
1. In a device of the character described embodying a face shield, a pair of spaced supports connected to each other adjacent the opposed ends thereof, one of said supports being pivotally connected adjacent its opposed ends to the shield internally thereof, an oval shaped member fitted between said supports, an air line extending within said oval shaped member, and filtering material overlying the opposed open sides of the oval shaped member and functioning cooperatively with said member to form a chamber into which air is directed by the air line.

2,577,608
PRESSURE GAUGE
Raymond L. Coultrip, Milwaukee, Wis.
Application August 15, 1946, Serial No. 690,669
3 Claims. (Cl. 73—408)



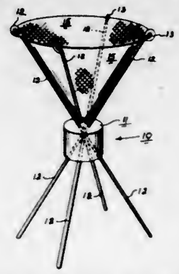
1. A gage comprising a movable condition responsive element, a shaft supported for rotation and having associated therewith a condition indicator, an adjustable spring spaced from said condition responsive element, connecting means connecting said condition responsive element and said adjustable spring and movable linearly in response and proportional to movements of the former, said connecting means comprising a yoke, extending above and below said shaft, elongated spring tensioned means having an intermediate portion wound around said shaft and having one end attached to the portion of the yoke below said shaft and its other end attached to the portion of the yoke above said shaft, and spaced means on each of said portions of the yoke for alternately attaching the ends of said spring tensioned means when said spring tensioned means is wound in one or the other direction around said shaft.

2,577,609
CALL DATA RECORDING AUTOMATIC TELEPHONE SYSTEM
Thomas L. Dimond, Rutherford, and Charles A. Wingardner, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 5, 1949, Serial No. 91,542
6 Claims. (Cl. 179—7)



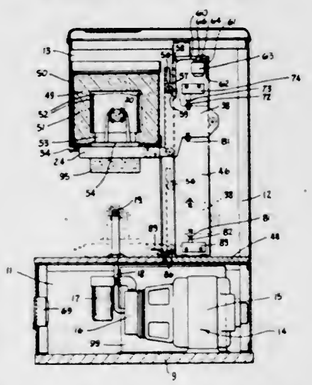
4. A call data recording telephone system comprising numbered line switches arranged in numbered columns and having numbered contact groups, lines each connected to one of said contact groups and each having a plurality of stations thereon, each of said stations having a distinguishing number, means responsive to a call from any one of said stations, means responsive to said last-mentioned means for registering the number of the column, the number of the switch, and the number of the contact group to which the line of said station is connected, a plurality of number coils, wires threaded through said coils each in accordance with the number of one of said sations, means responsive to said registering means for selecting and energizing the wire corresponding to the number of said calling station, means responsive to the potentials induced in the coils through which said wire is threaded for registering the number of said calling station indicated thereby, and means responsive to said latter registering means for recording said number of said calling stations.

2,577,610
WELL BRIDGE
Edwin A. Deupree, Oklahoma City, Okla.
Application August 31, 1949, Serial No. 113,280
3 Claims. (Cl. 166—13)



2. A well bridge including: a rigid central body; straight spaced downwardly and outwardly slanting spring arms rigidly embedded in the body and extending laterally beyond the periphery thereof, for contacting a well wall and anchoring the body against downward movement therein; straight upwardly and outwardly slanting radially spaced spring arms rigidly embedded in the body and projecting laterally beyond the periphery thereof; and an open topped fabric bag supported above the body by the latter spring arms.

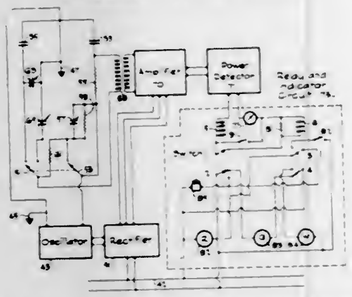
2,577,611
DEVICE FOR HARDENING
Joseph Robert Eves, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 2, 1947, Serial No. 719,750
9 Claims. (Cl. 49—45)



1. A device of the character described comprising a heating chamber having an entrance opening thereto, cooling means spaced from said

entrance opening to the heating chamber, and a work holder movable to and from a pair of positions, one of said positions being so located as to cause work carried by the work holder to be supported so as to be chillable by the cooling means, and the second of said positions being so located as to cause the work to be held in the heating chamber, said work holder having an engageable portion, and supporting means adjacent said second position for releasably engaging said portion of the work holder when in said second position to overcome a force tending to urge the work holder to return to the first position, control means for disengaging said supporting means from the engageable portion of the work holder upon elapse of a predeterminable interval of time to allow said force to return the work holder to said first position, said control means being operable by movement of the work holder into said second position where the work is held in the heating chamber.

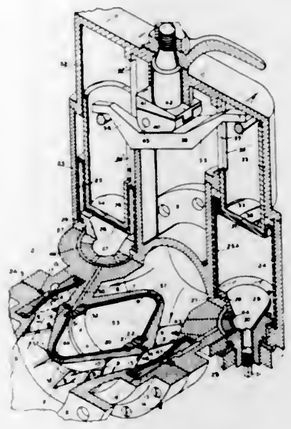
2,577,612
DIELECTRIC CONSTANT MEASUREMENT
Charles H. Fay, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 28, 1948, Serial No. 46,566
5 Claims. (Cl. 175—183)



2. A system for dielectric constant determinations comprising a first cell, liquid passage means for continuously supplying a liquid to said cell, a second cell, restricted liquid passage means in communication between said cells for continuously transferring the liquid from the first to the second cell with a substantial time lag, liquid passage means for continuously removing the liquid from the second cell, means associated with said liquid passage means for regulating the rate of transfer of said liquid from the first to the second cell, electrical condenser means in each cell, the dielectric of said condenser means being formed of the liquid in said cells, a measuring bridge circuit having each of said condenser means connected into an arm thereof, means for balancing said bridge, and means for indicating a change in the balance of said bridge caused by a change of the dielectric constant of the liquid in one of said cells.

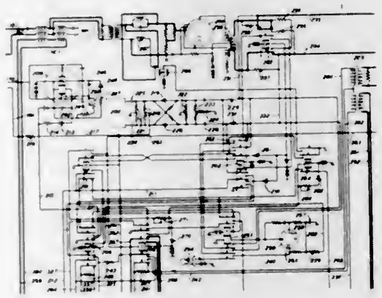
2,577,613
VALVE
Alfred F. Friberg, Portland, Oreg.
Application January 6, 1947, Serial No. 720,393
10 Claims. (Cl. 137—139)

1. A valve construction comprising a body having a passage for flow of fluid therethrough, a collapsible fluid tight inner chamber mounted in and spaced from the interior wall of said passage, a collapsible fluid tight outer chamber surrounding said inner chamber and cooperative with the latter to control the flow of fluid through said passage, a pair of cylinders on said body and having fluid tight communications respectively



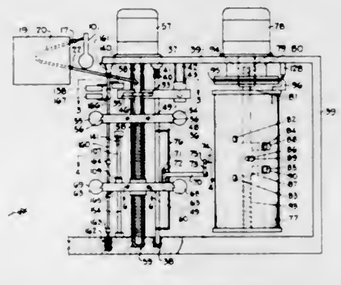
with said inner and outer chambers for confining an operating fluid therein, a piston reciprocative in each of said cylinders, and selectively adjustable means interconnecting said pistons and rockable by reciprocation of said pistons to control opening and closing of said passage.

2,577,614
VOICE-FREQUENCY SIGNALING SYSTEM
Walter W. Fritschi, Manhasset, and Charles W. Lucek, Port Chester, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 57,384
6 Claims. (Cl. 179—16)



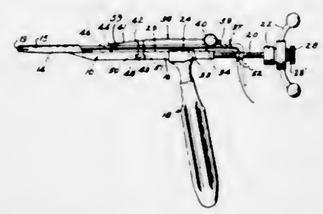
1. In a signaling system in which the transmission of selective and supervisory signals over a telephone line is effected by impulses of alternating current of a particular frequency in the voice band, signal receiving means comprising an electronic circuit responsive to signal impulses and a relay controlled by said circuit and means in said circuit for delaying the response of said circuit to prevent its response to short impulses of said frequency occurring in speech thereby to prevent the control of said relay by said circuit, and signal transmitting means comprising a signal source and first means for connecting and disconnecting said source to and from said line to transmit impulses thereover and second means controlling said first means and operable to effect the transmission of intentional signals and relay means associated with said transmitting means and automatically effective at times under the control of said second means to increase the interval during which said source is connected to said line to insure its connection thereto for a sufficient length of time to insure the response by said circuit to intentional signals so as to insure the operation of said signal receiving relay.

2,577,615
AUTOMATIC DISTILLATION APPARATUS
Albert H. Garrison, Edwardsville, Ill., and Francis B. Rolfson, San Pablo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 8, 1947, Serial No. 772,628
14 Claims. (Cl. 202—206)



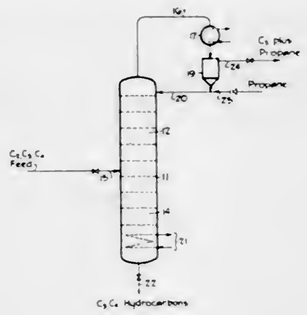
1. An automatic system for controlling and recording the distillation of a liquid, comprising a flask adapted to hold said liquid, electric heater means for said flask, a transparent receiver of uniform cross section, condenser means for transferring distillate from said flask to said receiver, thermocouple means in said flask responsive to temperatures therein, first photoelectric means mounted for vertical movement adjacent said transparent receiver, said movement being responsive to the rate of change of volume of the distillate transferred thereto by the condenser, timing means, potentiometer means comprising first and second potentiometers connected in parallel for continuously varying the electric current supplied to said heater means, said first potentiometer being responsive to the movement of said photoelectric means, said second potentiometer having a sliding contact actuated by said timing means at a constant predetermined rate, second photoelectric means mounted adjacent said transparent receiver above said first photoelectric means and responsive to the initial discharge of distillate into said transparent receiver, and recorder means responsive to said thermocouple means and said first and second photoelectric means for recording a temperature-volume distillation curve of said liquid, said first and said second photoelectric means comprising a photocell, a light source, a shield covering said light source having a slot therein and a carriage, said photocell and said light source being supported by said carriage in a horizontal plane on opposite sides of the transparent receiver, said slot in the shield covering the light source being positioned to direct a horizontal light beam from said light source through said transparent receiver onto said photocell.

2,577,616
TONSILLECTOME
Herman R. Grieshaber, Chicago, Ill., assignor to Grieshaber Manufacturing Company, Inc., Chicago, Ill., a corporation of Illinois
Application October 9, 1947, Serial No. 778,872
7 Claims. (Cl. 128—309)



2. An instrument of the class described comprising an elongated body, an elongated cutting blade and crusher hemostat slidably mounted on said body, said blade and hemostat having the rear end portions thereof angularly offset, and guide means, mounted on said body and rearwardly extending therefrom, embraced by the angular offset portions of said blade and hemostat.

2,577,617
FRACTIONAL DISTILLATION PROCESS
Joost Hudig, Pasadena, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 28, 1947, Serial No. 744,449
7 Claims. (Cl. 62—175.5)



1. In a fractional distillation process for the separation of propylene from ethane in a mixture consisting essentially of methane, ethane, propylene, propane and C_4 hydrocarbons, wherein the mixture is rectified in a rectifying zone to produce an overhead vapor containing methane, ethane, propylene and propane and a bottoms liquid portion comprising essentially propylene, propane and C_4 hydrocarbons, said overhead vapor is partially condensed to produce a condensate of a major portion of the propylene and propane therein and said condensate is returned as reflux to the rectifying zone, the improvement which comprises augmenting the condensate-reflux with propane taken from an extraneous source in amount at least equivalent in mols to the amount of propylene and propane in the uncondensed overhead vapor portion prior to said augmentation, to increase the recovery of the propylene in the bottoms liquid product.

2,577,618

RUBBERLIKE CURED POLYESTERS CONTAINING CALCIUM SILICATE AND PROCESS OF PRODUCING SAME

David W. Jayne, Jr., Old Greenwich, and Harold M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 18, 1946, Serial No. 717,092
2 Claims. (Cl. 260—40)

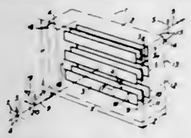
1. A process of preparing a rubber-like resinous product which comprises heating substantially equivalent proportions of a saturated aliphatic dicarboxylic acid having at least four carbon atoms between the two carboxyl groups and a substantially equimolar mixture of ethylene glycol and diethylene glycol in the presence of from 2 to 6 mol percent, based on the saturated dicarboxylic acid content of an alpha, beta unsaturated aliphatic hydrocarbon dicarboxylic acid and from 2 to 3.5 mol percent, based on the saturated dicarboxylic acid content plus the alpha, beta unsaturated acid content, of a polyhydric alcohol containing at least three hydroxyl groups, blending the resinous reaction obtained with an organic peroxide curing catalyst and an inert filler, said filler being selected from the group consisting of (1) calcium silicate, (2) a mixture consisting of calcium silicate and magnesium carbonate, at least about 15% by weight of said mixture being calcium silicate, and (3) a mixture consisting of calcium silicate and a filler other than magnesium carbonate, at least 50% by weight of said mixture being calcium silicate, and curing the blended resinous reaction product by heating.

2,577,619

METALLIC STRUCTURE FOR DELAYING UNIPOLARIZED WAVES

Winston E. Kock, Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 16, 1947, Serial No. 748,448
11 Claims. (Cl. 250—33.63)



1. A metallic electromagnetic phase velocity changer comprising flat rectangular conductive members having equal width dimensions extending in a direction parallel to the electric polarization of an incoming electromagnetic wave and spaced apart in a direction coincident with said width dimensions, said structure having an effective dielectric constant greater than unity and dependent upon the aforesaid width dimensions of said members.

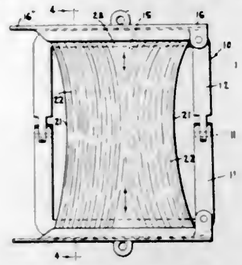
2,577,620

LIGHT POLARIZER AND PROCESS OF MAKING THE SAME

Joseph Mahler, Brookline, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application May 12, 1948, Serial No. 26,667
4 Claims. (Cl. 88—65)

1. A molecularly oriented sheet of transparent plastic material comprising a stretched sheet of plastic having when disposed in a substantially plane shape its molecules linearly oriented so that on opposite sides of a centrally disposed axis the directions of orientation of the molecules assume a uniform and convexly curved linear relation on each side of said central axis, with the curved linear relation on the same side of said axis being disposed substantially parallel, said convexities on the opposed sides of said central axis being



toward each other, said sheet being adapted to be subsequently formed to a substantially meniscus shape, and the amount of convexity of said orientation of the molecules being controlled according to the steepness of meniscus shape which it is adapted to assume whereby the direction of orientation of said molecules on both sides of said central axis when the sheet is in said meniscus shape will have a substantially straight line parallel relation with each other.

2,577,621

PRODUCTION OF POLYAMIDES OF HIGH MOLECULAR WEIGHT UTILIZING 1:4-BIS-(3-AMINOPROPOXY)-CYCLOHEXANE

Geoffrey Bilson May and James Wotherspoon Fisher, Spondon, near Derby, England

No Drawing. Original application August 3, 1948, Serial No. 42,350. Divided and this application December 28, 1950, Serial No. 203,228. In Great Britain August 22, 1947
4 Claims. (Cl. 260—78)

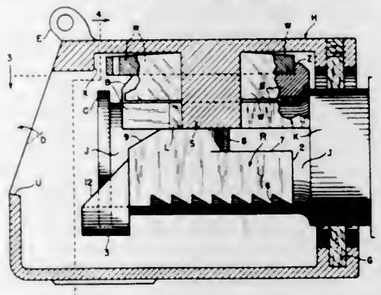
3. As new substances, linear fibre-forming polyamides which on hydrolysis yield substantially equimolecular proportions of 1:4-bis-(3-aminopropoxy)-cyclohexane and a dicarboxylic acid containing at least one p-phenylene group in the chain separating the carboxyl groups.

2,577,622

OIL WASTE RETAINER FOR RAILROAD JOURNAL BOXES

Orville O. Meranda, Spokane, Wash.

Application December 16, 1947, Serial No. 791,959
4 Claims. (Cl. 308—89)



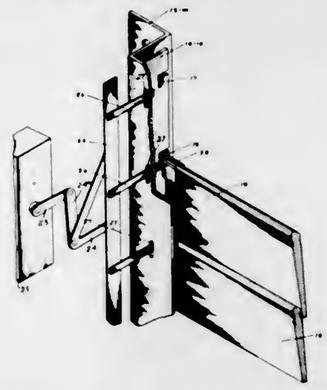
1. An oiled waste retainer for railroad journal boxes, comprising a pair of upright plates laterally spaced apart and connected together by a downwardly offset web having an upright flange on its inner edge and an upright flange on its outer edge, said plates having teeth on their lower edges, the upper edge of each of said plates having a tongue extending laterally therefrom, the top of the free end of each of said plates being even with the underside of the tongue thereon, and each of said plates having its outer top corner slanting downward from the top edge of the plate.

2,577,623

WINDOW VENTILATOR

Alexis Nihon, Montreal, Quebec, Canada

Application June 19, 1948, Serial No. 33,959
In Canada October 16, 1946
2 Claims. (Cl. 98—88)



1. In window ventilators, a window frame, upright side members, and upper and lower cross members secured to said upright side members forming a rigid ventilator frame and supported within said window frame, said upright side members being Z shaped, and upright louver mounting bars extending parallel to said upright side members within said window frame, said upright louver mounting bars having a plurality of slots therein, movable ventilating louvers pivotally mounted in the slots in said upright louver mounting bars, said movable ventilating louvers being made of a translucent material, pins fixedly secured in the ends of said movable ventilating louvers towards the upper edges thereof, said pins being inserted in the slots in said upright louver mounting bars for movably supporting said movable ventilating louvers, a thermostat suitably located in a room to be ventilated, a motor suitably located with respect to said movable ventilating louvers, electric wiring connecting said motor with said thermostat, said motor being of a slow operating type, a crank arm fixedly secured to a rotating shaft in said motor, one of said upright side members having a plurality of elongated slots therein and suitably spaced apart with respect to one another, horizontal connecting arms fixedly secured to one end of each of said movable ventilating strips and extending through the elongated slots in said upright side member, a louver connecting bar pivotally connected to the free end of each of said horizontal connecting arms, means connecting said louver connecting bar with said crank arm for imparting a reciprocating motion in said louver connecting bar upon the operation of said motor.

2,577,624

MINERAL-COATED PAPER AND PROCESS OF PRODUCING SAME

George E. Niles, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 29, 1947, Serial No. 738,227
7 Claims. (Cl. 117—155)

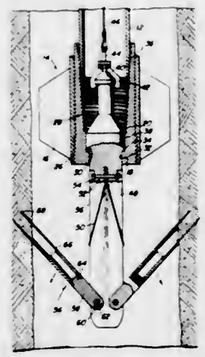
1. The process of producing a mineral-coated printing paper of high brightness and having excellent ink receptivity which consists in coating at least one side of a paper body stock suitable as a base for printing papers with a coating color consisting essentially of water, a mineral pigment and from 5 to 30% by weight on the pigment of a water-soluble salt of styrene-maleic anhydride copolymer, said pigment being supplied in an amount sufficient to provide the major portion of the solids content of said coating color, said copolymer being characterized in that a 0.2% aqueous solution thereof adjusted to a pH of 5.5 to 5.6 with NaOH has a viscosity of 5 to 30 centipoises at 25° C. and then drying and calendering the coated paper stock until the coating on the coated stock has a smooth and continuous surface.

2,577,625

RETRACTABLE SIDE WALL CORE BARREL

Joseph H. Page, Houma, La., assignor of forty-five per cent to John M. Walker and ten per cent to Sam M. Hattaway, both of Houma, La.

Application June 1, 1948, Serial No. 30,255
1 Claim. (Cl. 255—1.4)



A wire line sidewall sampling tool for wells comprising a string of pipe in the well bore, a shoulder inside such pipe adjacent the lower end thereof, a side wall coring member including a mandrel to move down through said pipe, a cooperating shoulder on said mandrel to engage and stop on said pipe shoulder to limit downward movement of said mandrel, a lower end on said mandrel projecting below the lower end of said pipe when said shoulders are engaged, a transverse slot in said projecting end of said mandrel, a plurality of core holders disposed in said slot, a pivoted connection between said core holders and said mandred adjacent the lower end of said slot, said slot of a length to receive said core holders in upstanding inverted position, each core holder having an open core receiving end disposed upwardly in said slot as said core holder stands inverted when said mandrel is landed on said shoulder, spring means normally urging said core holders to pivot oppositely out of said slot after such core holders pass out of the

lower end of said pipe to engage the well bore wall, each said core holder being adapted to cut a core upon upward movement of said mandrel whereby said core holders pivot from inverted to vertical position as said mandrel is raised and withdrawn back into said pipe for removal from the well while the string of pipe remains in the well bore.

2,577,626

PREVENTING CORROSION OF METALS

Cecil Phillips, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application June 20, 1947, Serial No. 756,112
5 Claims. (Cl. 23—193)

1. A method for reducing the corrosive action of a corrosive solution including ammonia, water, and oxygen to an article having a corrodible surface consisting of copper, tin, and zinc in contact with said solution which comprises introducing into said solution an amount of a salt of a petroleum mahogany acid sufficient to inhibit the corrosion thereof.

2,577,627

GLASS COMPOSITION AND METHOD OF MAKING SAME

Alexis G. Pincus, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

No Drawing. Application May 1, 1947, Serial No. 745,239
10 Claims. (Cl. 106—47)

6. The process of making a glass composition which is highly resistant to contact by hydrofluoric acid, the fluoride ion and fluoride vapors comprising mixing phosphorus pentoxide (P_2O_5) ranging from approximately 72 to 85 parts by weight, aluminum oxide (Al_2O_3) ranging from approximately 5 to 9 parts by weight, boric oxide (B_2O_3) ranging from approximately 1 to 8 parts by weight, and metal oxide selected from the group consisting of zinc oxide, calcium oxide, beryllium oxide, magnesium oxide and mixtures thereof approximately 1 to 12 parts by weight, and controlling the silica content to be, at most, only of a negligible amount, heating the mixture to melt the same completely in the neighborhood of 2500° F. and readily cooling the melt to a temperature in the neighborhood of 1800 to 2200° F. to allow working thereof, further permitting the glass to cool slowly to relieve mechanical strains.

2,577,628

TELEVISION SYSTEM

Maurice Ponte, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application February 27, 1947, Serial No. 731,275
In France February 9, 1946
5 Claims. (Cl. 178—5.4)



1. Television receiving tube comprising inside of an evacuated vessel an electron gun producing an electron beam, means for modulating said beam in intensity means for deflecting the beam, means for impressing on the beam a high acceleration, said mentioned means being arranged in cascade at the beginning of the electron gun, a thin wall of material permeable to electrons closing tightly the said vessel, said wall being arranged within the sweep range of the beam, a metallic grill of large mechanical resistance attached to said wall so as to render it more rigid, a chamber in part bounded by said wall and filled with gas under suitable pressure and a transparent wall closing said chamber through which the produced luminosity is observable.

2,577,629

STORAGE TANK LIQUID LEVEL MEASURING DEVICE

Harold A. Quist, Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application May 29, 1948, Serial No. 30,039
11 Claims. (Cl. 33—126.4)



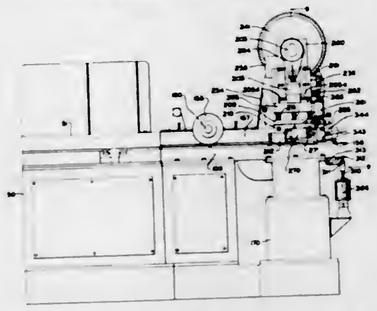
1. A device for measuring the liquid level in a tank comprising a transparent graduated tube adapted to be lowered into said tank and be partially immersed in the liquid; a valve cooperating with the lower end of said tube; means to actuate said valve to the open position when the rod is partially immersed in the liquid permitting said liquid to rise within the transparent tube to a level adjacent the liquid level in the tank and thereafter to close the valve before the tube is removed from the liquid thereby retaining the liquid level within the tube until subsequently released; said valve actuating means including a cage adjacent the lower end of said transparent tube having a plurality of apertures therein to readily admit the liquid, a hollow float movably supported within said cage and connected to operate said valve when immersed in the liquid, said float having apertures to permit a predetermined flow of liquid into the hollow interior thereof and cause the float to sink in said cage thereby closing the valve after the liquid has risen in said tube to a level adjacent the liquid level in said tank; and a flexible suspending tape having graduations thereon secured to the upper end of said transparent graduated tube, cleats mounted on said tape at regularly spaced intervals conforming to said graduations, said cleats being adapted to contact a fixed datum point on the top of the tank and maintain said tube at a known and fixed level when the measurement is taken.

2,577,630

MACHINE FOR MAKING WOOD FLOORING BLOCKS

Clifton W. Redin, Rockford, Ill., assignor to Bradley Lumber Company of Arkansas, Warren, Ark., a corporation of Arkansas

Application May 27, 1948, Serial No. 29,566
22 Claims. (Cl. 144—3)



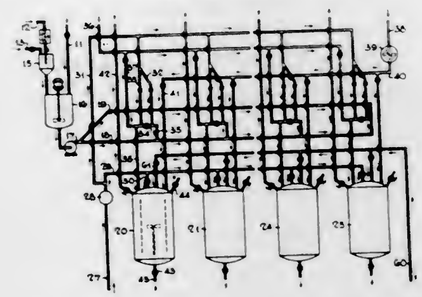
1. In a machine for making wood flooring blocks from wood flooring boards, including a work support having a pressing station to which units of boards assembled edge to edge in block formation are fed, unit by unit, at periodic intervals, the combination of actuating means for feeding the boards to the pressing station; spline feeding means operable in a cycle to feed a length of spline material over a unit of boards at the pressing station; a spline cut-off and spline pressing means operable in a cycle of operation to cut off a length of spline and press it into a unit of boards at the pressing station to fasten the boards of the unit together; a control member moved by a unit of boards as it comes to position at the pressing station; and means given a cycle of operation by the actuating means, when the control member is moved, to cause a cycle of operation of the spline cut-off and spline pressing means followed by a cycle of operation of the spline feeding means.

2,577,631

MANUFACTURE OF MICROSPHEROIDAL GEL PARTICLES

Walter A. Rex, Westfield, and Karl J. Nelson, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 29, 1948, Serial No. 68,028
8 Claims. (Cl. 252—448)



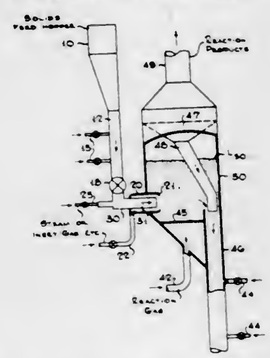
1. A process for the production of an inorganic oxide gel in the form of microspheroidal particles by dispersion and gelation of a hydrosol of said oxide in an organic liquid setting medium which is at most only partially miscible with water, which comprises continuously withdrawing a stream of the hydrosol from a common hydrosol source, dividing the withdrawn stream of hydrosol into two substreams forming a closed supply circuit having outlets to a plurality of separate gelation zones, which zones are partially filled with the organic liquid setting medium and are distributed around the aforesaid circuit, and successively supplying the hydrosol from the circuit to each of the said gelation zones, whereby a continuous flow of hydrosol in all parts of the circuit is maintained at all times so that stagnation and gelation of the hydrosol in the circuit is prevented.

2,577,632

PROCESS FOR SUPPLYING PLASTICIZABLE CARBONACEOUS SOLIDS INTO A GASIFICATION ZONE

Bruno E. Roetheli, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

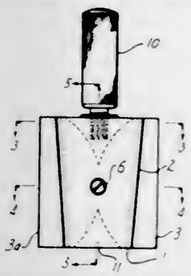
Application August 27, 1946, Serial No. 693,298
8 Claims. (Cl. 48—203)



1. In the process of supplying finely divided solids which pass through a plastic state at elevated temperatures, to a treating zone operated at a temperature higher than said plasticizing temperature, wherein said solids are maintained in the form of a dense turbulent mass of finely divided solids fluidized by an upwardly flowing gas to resemble a boiling liquid having a well defined upper level, the improvement which comprises passing finely divided solids of a fluidizable particle size under the pseudo-hydrostatic pressure of a vertical aerated column of said solids the upper level of which is substantially above said first named level, through a confined path opening into said treating zone below said first named level at a point above, but close to, the bottom of said mass, and introducing a gaseous medium which does not detrimentally affect the desired treatment in said treating zone and which has a temperature lower than said plasticizing temperature, in heat exchange with and in the direction of flow of said finely divided solids, into said treating zone, at a rate not substantially exceeding that required to maintain the temperature of said finely divided solids below plasticizing temperature prior to the entry into said treating zone.

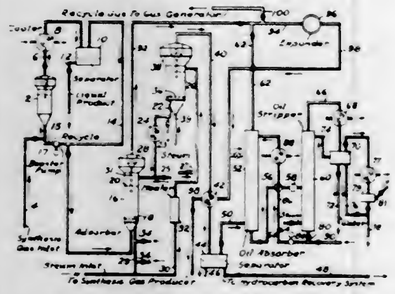
3. The process as claimed in claim 1 wherein at least a portion of said gaseous medium flows outside said path.

2,577,633
ADJUSTABLE PLUG GAUGE
Jacob Schaetzle, Pittsburgh, Pa.
Application April 10, 1947, Serial No. 740,511
1 Claim. (Cl. 33—178)



An adjustable plug gage comprising a center block having parallel faces and grooved inclined sides, gage blocks having tongues movably mounted in the grooves of said center block, said center block having communicating slots extending from the grooves a substantial distance through the section of the block to constitute the grooves resilient gripping members, and means consisting of a screw extending through the communicating portion of said slots for drawing the slotted sections of the block toward each other to effect clamping engagement of the grooves with the tongues of said gage blocks.

2,577,634
RECOVERY OF HYDROCARBONS FROM GASEOUS STREAMS
Walter G. Scharmann, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 23, 1948, Serial No. 56,218
7 Claims. (Cl. 260—450)



1. An improved process of economically recovering valuable hydrocarbons from the tail gases of the hydrocarbon synthesis reaction which comprises contacting carbon monoxide and hydrogen at synthesis conditions including pressures of from about 250 to 750 p. s. i. g. in synthesis proportions in a fluidized catalyst synthesis zone with a catalyst promoting the formation of normally liquid reaction products, cooling effluent gases from said fluidized solids hydrocarbon synthesis zone, passing cooled products to a gas-liquid separation zone, withdrawing from said separation zone a gas comprising uncondensed hydrocarbons normally liquid at atmospheric temperature, passing said gas to a fluidized solids adsorption zone, maintaining a pressure within said zone of approximately the same order of magnitude as within the hydrocarbon synthesis zone, scrubbing said gas with finely divided activated carbon, withdrawing solids and adsorbed hydrocarbons downwardly from said adsorption zone, passing said material to a fluidized solids desorption zone, passing desorbed hydrocarbons to a cooling zone, condensing relatively high boiling hydrocarbons, passing uncondensed desorbed hydrocarbons to an oil absorption zone, absorbing normally condensable hydrocarbons in said zone, passing oil containing absorbed hydrocarbons to a stripping zone, recovering low molecular weight hydrocarbons from said zone, withdrawing scrubbed tail gas at superatmospheric pressures from said fluidized solids adsorption zone, passing said gas through an expansion zone, whereby said gas is expanded to atmospheric pressure and undergoes substantial cooling, and passing at least a portion of said cooled gas in heat exchange relationship with the effluent gases from said fluid solids desorption zone.

2,577,635
POLYMERIC VINYLIDENE CHLORIDE COMPOSITIONS
Eugene D. Serdynsky, James S. Gowing, and Ralph M. Wiley, Midland, and Carl B. Havens, Hope, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 2, 1949, Serial No. 79,313
3 Claims. (Cl. 260—30.6)

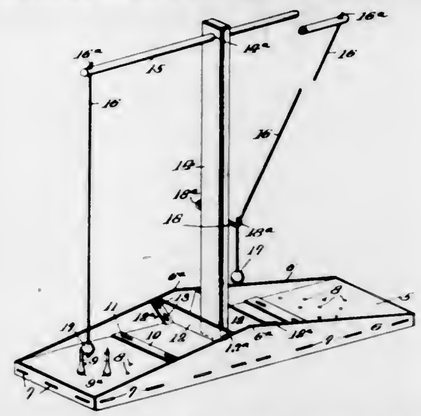
1. A composition of matter having little tendency to acquire and retain a charge of static electricity, the essential ingredients of which are a polymer in which vinylidene chloride predominates and from 0.5 to 5 per cent of the weight of such polymer of a compound selected from the class consisting of the penta-alkyl tripolyphosphates and the hexa-alkyl tetrapolyphosphates wherein the alkyl groups contain from 3 to 8 carbon atoms.

2,577,636
SULFURIZATION OF LARD OIL
Elmer H. Sperry, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application May 7, 1949, Serial No. 92,073
5 Claims. (Cl. 260—399)

1. A process of sulfurizing lard oil which comprises contacting hydrogen sulfide and sulfur dioxide in the presence of said lard oil at a temperature of from 50° F. to 100° F.

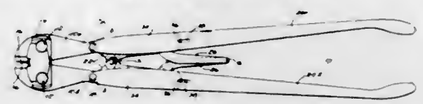
2,577,637
TETHERED PROJECTILE GAME
Edmund C. Talbot, Fall River, Mass.
Substituted for abandoned application Serial No. 555,101, September 21, 1944. This application September 10, 1948, Serial No. 48,660
1 Claim. (Cl. 273—40)

A tethered projectile game comprising in combination, a substantially rectangular base, the top of said base providing two playing surfaces which extend inwardly from opposite ends of said base, a post extending upwardly from the center of said base between said playing surfaces, said post having its lower end fitted in a recess in said base, a cross bar frictionally engaged in an opening adjacent the upper end of said post and having its ends disposed above the respective playing surfaces, a tethered ball attached to each of the respective ends of the cross bar, game pieces positionable on the respective playing surfaces, all portions of each of said playing surfaces being in a path of possible travel of one of said tethered balls, side wall-providing pieces attached to the respective sides of the base, and defining the lateral limits of said playing surfaces, said side wall pieces increasing in heighth from the ends of the base to a point approximately midway the length of same, a transverse inner boundary defining strip for each playing surface, said strips mounted on the upper surface of the base and at opposite sides of said post, a pair of



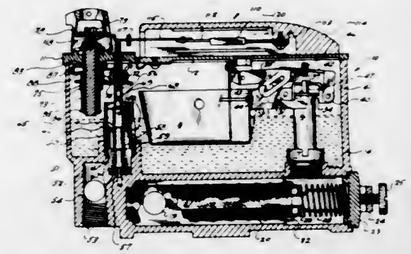
adjacent transversely disposed backstop providing panels extending above and across said base at opposite sides of said post and inclined away from the latter, said backstop panels having their ends transversely turned and secured to said opposite side wall pieces whereby to reinforce the same and provide a game piece receptacle between said backstop panels, and the middle lower edge portions of said backstop panels being braced against opposite sides of said post to reinforce the same and further reinforce said wall providing side pieces.

2,577,638
MULTIPLE LEVER TOOL
Willis F. Tibbetts, Reading, Mass., assignor to H. K. Porter, Inc., Somerville, Mass., a corporation of Massachusetts
Application November 5, 1949, Serial No. 125,814
6 Claims. (Cl. 30—193)



1. A tool of the class described comprising in combination a pair of jaw levers and means for swingingly mounting them in opposition to provide a pair of work engaging jaws and a pair of tails, the relative movements of which latter effect opening and closing movements of the jaws, a pair of handles pivoted together, radius links pivotally connected to the jaw tails and handles for supporting the former from the latter, levers pivoted between their ends on the handles remote from the pivotal center of the latter and having inner ends pivotally joined to enforce equal and opposite movement thereof when the handles are moved, and connecting rods extending from points in the levers remote from their pivots on the handles and operatively connected to enforce movement of the joint between the jaw tails and the radius links.

2,577,639
METERING VALVE
Clarence H. Traver, Milwaukee, Wis.
Application April 25, 1947, Serial No. 743,817
6 Claims. (Cl. 137—21)

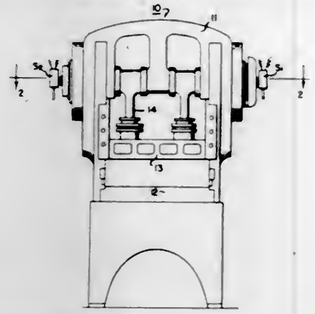


1. A valve comprising a valve body having a port, means controlling flow through said port, said means comprising a reciprocable valve stem positionable within said body, a sleeve resiliently held on said stem and movable therewith, said sleeve being loosely fitted within said body and movable laterally and longitudinally into flow-obstructing relationship with said port for varying the flow therethrough, a longitudinal groove in said body, a generally U-shaped resilient member mounted on said stem having one leg abutting said sleeve and the other leg positioned within said groove for resiliently urging said sleeve laterally into flow-obstructing relation with said port, and means cooperating with said stem for longitudinally positioning said stem thereby longitudinally positioning said member in flow-obstructing relationship with said port.

2,577,640
METHOD FOR ANALYZING HYDROCARBONS
Edward F. Wadley and James A. Anderson, Jr., Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application November 18, 1948, Serial No. 60,828
6 Claims. (Cl. 23—230)

1. A method for analyzing a hydrocarbon fraction selected from the group of fractions boiling in the gasoline boiling range and in the kerosene and gas-oil boiling range and containing dienes which comprises blending said fraction with a normally liquid saturated hydrocarbon to form a blend in which said diene-containing fraction is in a minor quantity, dividing said blend into first and second portions, contacting said first portion with a solution of a treating reagent, selective for the removal of dienes, selected from the group consisting of nitric acid acidified mercuric nitrate and potassium permanganate, removing said treating reagent from contact with said contacted portion, and passing separately separate beams of light at wave lengths of 235 and 258 millimicrons through at least a portion of said contacted first portion and through at least a portion of said second portion to obtain values which are measures of the light absorption coefficients of said contacted first portion and said second portion at said wave lengths whereby the diene index of said fraction may be obtained.

2,577,641
MULTIPLE DRIVE PRESS WITH MULTIPLE CLUTCH
Reuben E. Wissman, Minster, Ohio, assignor to The Minster Machine Company, Minster, Ohio, a corporation of Ohio
Application May 5, 1950, Serial No. 160,327
7 Claims. (Cl. 192—4)



1. A dual drive mechanical press, including, a crankshaft, a drive wheel at each end of said crankshaft, power means drivingly connected with said drive wheels, independent clutch means between said power means and each end of said crankshaft, a brake operatively connected with said crankshaft to stop the same, and separate control means operatively connected with said clutches for independent actuation of each clutch, and other means actuated in predetermined relation to the movement of said crankshaft for initiating operation of at least one of said separate control means.

2,577,642
OIL WELL DERRICK
Homer J. Woolslayer, Cecil Jenkins, and William H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 25, 1948, Serial No. 51,226
8 Claims. (Cl. 189—15)

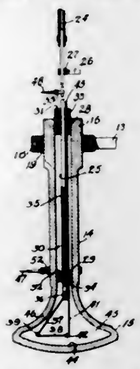


8. In an oil well derrick, a substructure including a normally horizontal arm means pivoted at its front end on a horizontal axis to the top of the rest of the substructure, a mast having front and rear legs, and means pivotally connecting the lower ends of the rear legs of the mast to the rear end of said arm means so that the mast can be swung forward and down from an upright position to a prone position on a vehicle, said arm means being adapted to swing upward to permit said prone mast to lie flat on the vehicle.

2,577,643
WAX COMPOSITIONS
David W. Young, Roselle, and Arnold J. Morway, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 11, 1949, Serial No. 120,812
6 Claims. (Cl. 106—270)

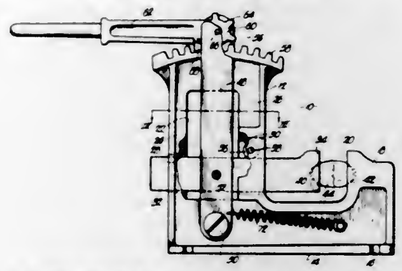
1. A wax composition consisting essentially of refined paraffin wax and 1 to 5% of a metal salt chosen from the class consisting of alkali metal and alkali earth salts of a heterocyclic carboxylic acid, said heterocyclic acid being a low molecular weight acid having a five-membered furan-type ring.

2,577,644
APPARATUS FOR ANODICALLY TREATING INTERNAL SURFACES
Kenneth M. Bartlett, Cleveland, Ohio, assignor to Thompson Products, Inc., a corporation of Ohio
Original application April 9, 1943, Serial No. 482,379. Divided and this application May 7, 1949, Serial No. 93,517
1 Claim. (Cl. 204—222)



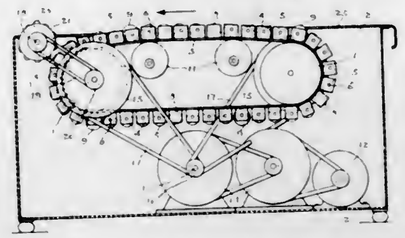
Apparatus for effecting an anodic treatment of the internal surfaces of a hollow metal article having an enlarged head cavity, comprising an electrically conductive tubular member, a pair of spacers in spaced relation along said tubular member, each of said spacers having a fluid flow passage therein and an aperture to slidably receive an actuating wire therethrough, means for introducing a flow of an electrolyte through said tubular member, a collapsible conductive extension secured to one end of said tubular member, an actuating wire having one end secured to said collapsible conductive extension and extending through the apertures in said spacers in parallel spaced relationship to said tubular member for collapsing and extending said collapsible conductive extension, whereby when said apparatus is inserted in a hollow metal article, an electrolyte introduced through said tubular member will flow about said conductive extension and then through the fluid flow passages in said spacers.

2,577,645
NUTCRACKER WITH RECIPROCATING JAW
Henry A. Brecheisen, Baldwin, Kans.
Application November 3, 1949, Serial No. 125,236
3 Claims. (Cl. 146—16)



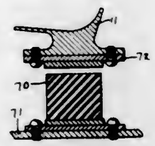
1. A nut cracker comprising a frame; a stationary jaw on said frame; a jaw carried by the frame for movement toward and away from said stationary jaw; an elongated, toothed rack on the frame; a toothed gear in mesh with the teeth of said rack and rotatable along the rack; and at least one arm pivotally joined to said gear, to said frame and to said movable jaw for moving the latter as the gear moves on the rack.

2,577,646
MASSAGING MACHINE
William Thomas Cameron, Barrie, Ontario, Canada
Application June 12, 1948, Serial No. 32,637
5 Claims. (Cl. 128—33)



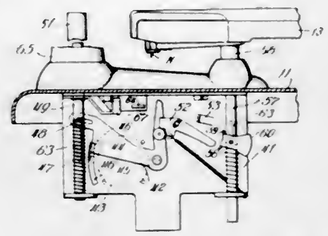
1. In a massaging machine, a pair of endless flexible belts, an endless series of rollers, eccentrically journalled between said belts to rotate on eccentric axes with the axes of rotation at opposite ends of the rollers being eccentric, the upper reach of said endless series of rollers forming a roller table, means for driving said endless roller series to rotate said rollers under the weight of a patient placed thereon to massage the muscles of the back from adjacent the neck to the coccyx, and a peripheral groove formed centrally in said rollers to receive the spinal column.

2,577,647
CENTRIFUGAL MACHINE
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 8, 1944, Serial No. 536,097, which is a division of application Serial No. 358,871, September 28, 1940. Divided and this application August 17, 1945, Serial No. 610,985
3 Claims. (Cl. 210—72)



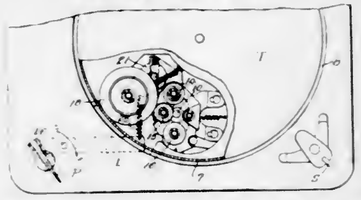
1. A centrifugal machine including a frame means, a movable assembly comprising a vertical basket and driving means located below said basket for rotating said basket generally upon a vertical axis, a damping means extending between the lower portion of said driving means and said frame means, said damping means having means forming a plurality of relatively movable generally horizontal frictional surfaces maintained in contact with each other solely by downward gravitational and upward resilient reaction, and a resilient supporting means extending from said frame means for upwardly supporting said movable assembly adjacent the upper end of the driving means.

2,577,648
PHONOGRAPH RECORD CHANGER
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application April 15, 1946, Serial No. 662,292
2 Claims. (Cl. 74—483)



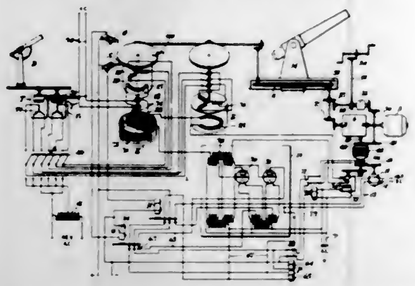
1. A record changing phonograph including a start button, a switch lever biased to an off position and operated by the start button to an on position, a latch biased to a latching position in which it locks the switch lever in the on position, an off button, a vertically movable plunger carrying the off button and biased to an off position, and a pawl carried by said plunger and actuated by the off button and the downward movement of said plunger to release the latch and pivotally mounted to ride freely past the latch on the return stroke of the off button and the plunger.

2,577,649
SPEED ADJUSTMENT FOR PHONOGRAPH TURNTABLES
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application January 3, 1951, Serial No. 204,167
7 Claims. (Cl. 74—207)



1. In a phonograph turntable drive of the type which utilizes a driven wheel in frictional engagement with a marginal flange depending from the turntable, the friction wheel being carried on a mounting which is shiftable transversely of the axis of the turntable to vary the position of the friction wheel relative to its flange, the feature of improvement which comprises a lever of the first-class mounted to swing its weight end toward and from the wheel axis, a tension spring interconnecting the weight end of the lever and the wheel mounting at a point adjacent the wheel axis, the lever at its power end being reversely bent to provide a doubled-back portion, a post constituting a fulcrum for the lever traversing an aperture therein and also an aperture in the doubled-back portion of the lever, and a cam in engagement with the lever at its power end for operation thereof, counter to tension of the spring, to a selected distant position relative to the wheel axis, thereby to determine the tension of the spring and of the force transmitted therethrough to the mounting transversely of the axis of wheel rotation.

2,577,650
GUN CONTROL SYSTEM
Arthur Pattison Davis, New York, N. Y., assignor, by direct and mesne assignments, to Arma Corporation, a corporation of New York
Application April 18, 1933, Serial No. 666,675
10 Claims. (Cl. 89—41)



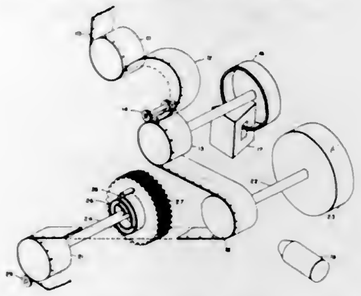
7. In a gun control system the combination with a gun mount, of means for moving said mount, a director element, electrical motion transmission means operatively connected to said element for controlling said first means, and means for simultaneously disconnecting said director element and substituting another control automatically operating said transmission means to cause said first means to bring said gun mount to a predetermined desired position.

2,577,651
HANDLE FOR SCREW DRIVERS OR THE LIKE
Clarence L. Dewey, Grand Rapids, Mich.
Application December 23, 1946, Serial No. 718,069
1 Claim. (Cl. 145—61)



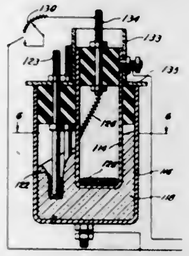
A manual tool of tubular form from end to end made from a continuous piece of tubular metal progressively reduced in diameter to provide an enlarged upper grip section, an intermediate finger engaging section, and a lower shank section terminating in a flattened head formed to receive and laterally support a bit whose work-engaging end is projected outwardly therebeyond, said flattened head having opposite portions thereof pressed radially inwardly for tight engagement with the supported bit at spaced points thereabout to secure the bit fixedly in operative position, the flattened head extending outwardly beyond the confines of the shank in one plane and narrowed inwardly thereof in a transverse plane and thus forming an abutment inwardly of the end of the flattened head with which the bit may engage, whereby to transmit thereto a thrust proceeding axially of the tool toward the work.

2,577,652
SOUND FILM DRIVE
Frank B. Dibble, Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application September 11, 1947, Serial No. 773,340
10 Claims. (Cl. 271—2.3)



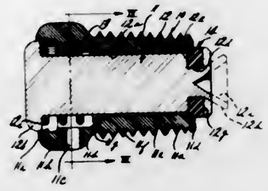
1. In a film driving mechanism, a sound pulling sprocket for moving a strip of film past a scanning point, a driving gear for said sound pulling sprocket, a weak spiral spring having one end connected to said driving gear and its other end connected to said sound pulling sprocket, a scanning drum at said scanning point driven by said film strip, a single mass of considerable inertia attached to and rotated by said scanning drum and drag means for resisting the movement of said film strip and cooperating with said sound pulling sprocket for placing said film strip under tension and for causing said film strip to frictionally engage said scanning drum.

2,577,653
MERCURY SWITCH
Arthur S. Dysart, Elizabeth, N. J., assignor of one-half to Mabel S. Dysart, Elizabeth, N. J.
Application May 22, 1945, Serial No. 595,155
8 Claims. (Cl. 200—122)



1. A fluid operated switch comprising two electrically conducting casings filled with a gas, said casings being one within the other and normally insulated from each other, means to change the pressure of said gas within one of said casings, a connection between said casings, and conducting fluid normally retained within one of said gas filled casings and movable when the pressure of said gas is changed into a position partially filling the other of said casings and electrically connecting terminals secured to said casings.

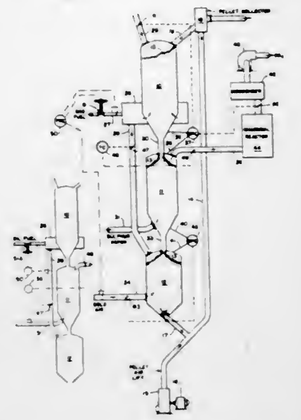
2,577,654
VENT VALVE
Richard L. Gates, Dayton, Ohio, assignor to Curtis Automotive Devices, Inc., Dayton, Ohio, a corporation of Ohio
Application July 5, 1946, Serial No. 681,577
4 Claims. (Cl. 251—137)



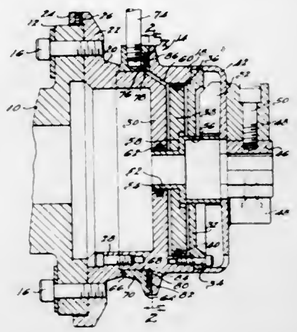
1. A valve comprising a body having an exteriorly threaded shank and a polygonal head at one end of the shank, said body having three coaxial stepped bores therethrough, shoulders between said bores, the smallest of said bores extending through the shank of the body, the largest of said bores extending inwardly from the head of the valve body and the middle bore connecting the small and large bores in the head of the body, a drain outlet port extending radially through said head from said middle bore, a valve having a shank portion fitting freely in the smallest of said bores and projecting through the middle bore, a head on one end of the shank portion of said valve fitting freely in the largest of said bores and adapted to engage the shoulder between the largest bore and the middle bore, a spring surrounding the shank of said valve bottomed at one end on the shoulder between the smallest bore and the middle bore and at the other end on the head of the valve, a sealing ring of larger diameter than said shank carried by the other end portion of the shank and held by said spring against the end of the shank portion of the housing, and an integral shoulder portion on the shank of the valve extending radially to substantially the same diameter as the sealing ring for backing up the sealing ring.

2,577,655
FLUID HEATER CONTROL
Paul R. Grossman, Irvington, N. J., and Jack F. Shannon, Euclid, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application June 5, 1948, Serial No. 31,258
34 Claims. (Cl. 263—19)

5. The method of operating a fluid heater of the type having three superposed chambers connected by throats with fluent gas-pervious heat transfer material in each of the chambers and in the throats and having provision for substantially continually moving such material by gravity downwardly progressively through the chambers and throats and exteriorly from the lowermost chamber back to the uppermost chamber including, maintaining a supply of heating medium comprising the products of combustion to the upper chamber to heat the material as it passes therethrough, passing a fluid to be heated through the middle chamber in direct contact with the heated material passing therethrough, passing air as an element of combustion for the supply of heating medium through the lower chamber in direct contact with the heated material passing therethrough for heating the air, supplying fuel as an element of combustion for the heating medium, separately measuring the rate of supply of the air and fuel, comparing such measurements, and continually controlling the rate of supply of fuel responsive to such comparison.



2,577,656
DIAPHRAGM CHUCK
George Hohwart and Ernest F. Hohwart, Detroit, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application November 4, 1949, Serial No. 125,606
9 Claims. (Cl. 279—46)



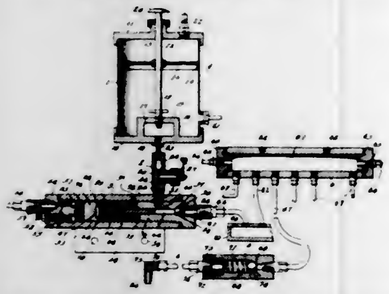
3. In combination with a machine having relatively rotatable parts, an annular groove at the juncture of said parts and each part defining a radial side wall of said groove, a ring in said groove normally having a running fit with said side walls to permit relatively easy rotation between the stationary and rotatable parts, said ring having an internal annular surface and provided with a channel extending radially outwardly from said surface, said channel disposed in close proximity to one side of the ring to define a thin, laterally flexible flange between the channel and the mentioned side of the ring, and means for introducing fluid under pressure into said channel, whereby to flex said flange laterally against the adjacent side wall of the groove and thus effect a substantially fluidtight seal between the ring and said parts.

2,577,657
RESTRICTED BUTTERFLY VALVE
Warren E. Houk, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application May 24, 1946, Serial No. 672,060
12 Claims. (Cl. 251—11)



1. Means for controlling the flow of fluid in a conduit comprising means for interposition in a conduit, a flange extending radially inwardly from said means providing a restricted opening smaller than adjacent portions of the conduit, a butterfly valve element pivotally mounted in said flange to control the opening therein, and a generally longitudinal extension carried by said flange over substantially its entire circumference, said extension conforming to the shape of the opening in said flange and projecting in the general direction of opening movement of the adjacent edge of said valve element beyond the edge of said valve element in any position thereof.

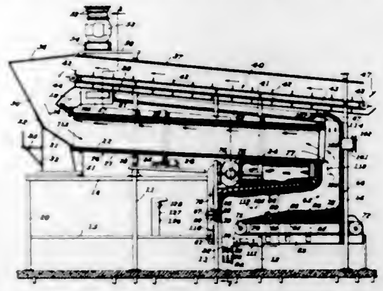
2,577,658
LUBRICATING SYSTEM
George Kenoszt, Chicago, Ill.
Application December 8, 1945, Serial No. 633,750
10 Claims. (Cl. 184—7)



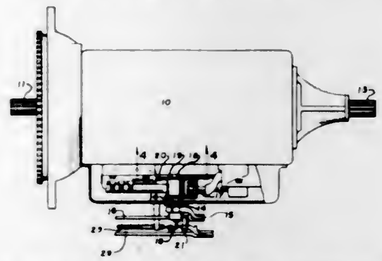
8. Apparatus for high pressure lubrication of various parts, comprising: means for holding a supply of lubricant; a lubricant pump connected to said supply means and having a differential piston operated by fluid pressure of substantial amount; manually operable means in said connection for permitting passage of lubricant from said supply means to said pump; a plurality of passageways connecting said pump with the parts to be lubricated; and a restrictor in each of said passageways comprising a high pressure check valve for preventing flow of lubricant to the respective part until the pressure on the check valve reaches several thousand pounds per square inch.

2,577,659
GARBAGE INCINERATOR
Rainer H. Knipping, San Antonio, Tex.
Application October 9, 1947, Serial No. 778,819
9 Claims. (Cl. 110—15)

1. A garbage incinerator comprising an elongated, inclined, cylindrical, rotary drier, means for rotating the same, an elongated housing in superimposed, closely spaced, heat exchange relation above the drier, means within the housing for delivering material to the interior of the upper end of said drier, a stack disposed exteriorly of the housing having communication with the interior of the upper end of the drier, a combustion chamber below the lower end of the drier, in direct communication therewith for the delivery of products of combustion thereto, a grate in said chamber positioned to receive material from the drier and means for delivering air under pressure to the combustion chamber to support combustion of the material therein, the products of combustion passing through the drier serving to pre-heat the material thereabove on the material delivery means in the housing.

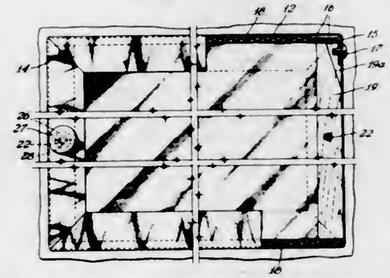


2,577,660
SELECTIVE MANUAL CONTROL FOR AUTOMATIC CHANGE-SPEED TRANSMISSIONS
Martin C. Krueger, Idaho Springs, Colo.
Application October 18, 1948, Serial No. 55,168
4 Claims. (Cl. 74—472)



1. A supplementary, selective, manual control for automatic transmissions having an exterior arm oscillatable about a fixed axis in direct reaction to throttle linkage travel to inhibit shift of the transmission from a lower and to a higher drive ratio in its position reflecting open throttle condition and to permit such transmission shift in its position reflecting closed throttle condition, said control comprising means selectively and manually operable to immobilize said arm in its shift-inhibiting position, and associated means for the automatic accommodation of otherwise arm-operating linkage travel when said arm is so immobilized, wherein the means operable to immobilize said arm in one of its positions comprises a manually extensible and retractible push-and-pull wire slidably engaging said arm and a stop block on said wire engageable against and to move said arm when said wire is retracted, and the means for accommodating throttle linkage travel during immobilization of said arm comprises a second arm hinged to and to oscillate in a plane paralleling that of said first arm with its free end connected to the throttle linkage, a stop on said second arm engageable with and to move said first arm when said wire is extended, and spring means yieldably interconnecting said arms in normal, stop-engaged proximity.

2,577,661
WALL MIRROR
Carl A. Laystrom, Decatur, and Howard R. Sigler, Argenta, Ill., assignors to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application January 27, 1950, Serial No. 140,914
4 Claims. (Cl. 88—97)



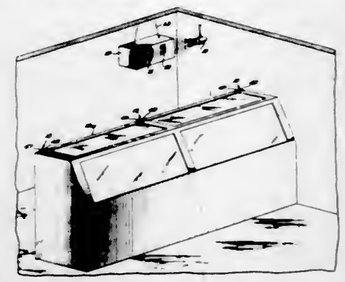
1. A wall mirror or the like which comprises a one-piece wrap around channel strip, means securing the ends of the strip in juxtaposed position to embrace the periphery of a mirror with the peripheral margin of the mirror seated in the channel, resilient cushion strips in opposite portions of the channel cushioning opposite edges of the mirror in snug engagement with the mirror and channel strip, load carrying strips filling opposite portions of the channel at the ends of the mirror in snug engagement with the channel strip and mirror, and fasteners extending through the legs of the filled channel strip portions and through the load carrying strips for mounting the assembly on a wall or the like.

2,577,662
REMOTE-CONTROL DEVICE
Ernst Meili, Bad Ragaz, Switzerland
Application July 21, 1948, Serial No. 39,894
In Switzerland July 25, 1947
8 Claims. (Cl. 177—353)



1. Apparatus for effecting selective operation of a plurality of switches in accordance with the duration of a control signal comprising, a control member mounted for displacement over a predetermined path from a starting position in response to the control signal, the displacement of said member being proportional to the duration of the signal, yieldable means opposing displacement of said member and tending to return the same to said starting position, a series of switch control devices distributed in spaced relation along said path and adapted to be passed in succession by said control member, each such device being cooperative with said control member and actuated by the latter upon movement thereof in the return direction in response to termination of said control signal subsequent to passing such device and prior to having passed the next said device in the series, and each such device including means preventing further movement of said control member in the return direction, and first and second trip members positioned along said path and located respectively in advance of the first and beyond the last of said switch control devices, said second trip member being operative to engage and shift said control member from an operative to a non-operative position with respect to said devices thereby to enable said control member to execute a full return movement past all of said devices to said starting position, and said first trip member being operative to engage and shift said control member back to said operative position.

2,577,663
INDICATOR
Thomas B. Owens, Barrington, Ill., assignor to Jewel Tea Co., Inc., Chicago, Ill., a corporation of New York
Application December 24, 1948, Serial No. 67,119
4 Claims. (Cl. 177—337)



1. An accessory for the serving counter of a store comprising a control push button switch mounted on said counter, a box-like housing mounted in spaced relation above said counter, a rotatable drum in said housing, numerical indicia spaced on the outer surface of said drum, power means connected to said drum for rotating the same, a second switch mounted in said housing adjacent said drum, a plurality of abutment arms on said drum spaced to conform to the spacing of said numerals and movable against said second switch for tripping the switch, and said power means including an electric circuit that is energized by actuation of said push-button switch and deenergized by tripping of said second switch by said abutment arms.

2,577,664
DISCHARGE NOZZLE FOR HYDRATING CEMENTITIOUS SUBSTANCES UNDER PRESSURE
George Marcus Pro, Kansas City, Mo., assignor to Jo Zach Miller, III, Kansas City, Mo., trustee
Application March 20, 1950, Serial No. 150,579
6 Claims. (Cl. 259—151)

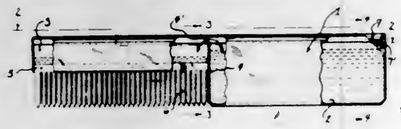
1. In a discharge nozzle, a tubular body; a ring-shaped insert in the body; a pair of fluid inlets formed in said body; an annular equalizing chamber for each inlet respectively formed in the body, said chambers being in communication and

circumscribing said insert; and a number of passages formed in the insert and constituting the



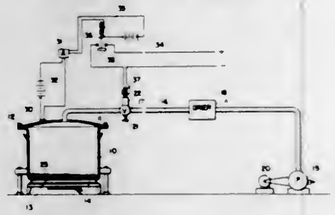
sole means for placing said chambers in communication with the interior of said body.

2,577,665
FOUNTAIN COMB
Stanley A. Rypel and Rupert Rypel, Milwaukee, Wis.
Application August 7, 1947, Serial No. 766,944
1 Claim. (Cl. 132—13)



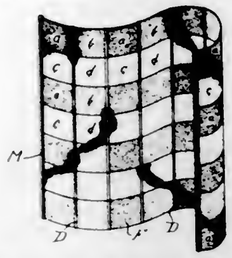
A fountain comb comprising a shell having a reservoir chamber at one end provided with a filling opening, a partition extending transversely of the reservoir chamber terminating a slight distance from the top edge of the shell to form a discharge port, a comb backbone and teeth on the backbone, said backbone being secured to the bottom edge of the shell beyond the reservoir chamber to close said bottom end and form with the shell a fluid distributing chamber, said discharge port for the reservoir chamber opening into the fluid distributing chamber, whereby upon an upward tilt of the reservoir chamber fluid will be discharged into the distributing chamber through the port, said backbone having a longitudinally extending slot opening into the distributing chamber and out through the lower edge of the backbone at said comb teeth.

2,577,666
METHOD OF POPPING CORN
Harold A. Skinner, New Carlisle, Ohio
Application April 6, 1950, Serial No. 154,285
6 Claims. (Cl. 99—81)



1. The method of producing popped pop corn of an increased size that includes, heating the corn kernels in one atmospheric condition to a stage at which they are ready for popping in that atmospheric condition as signalled by initial popping of any heated kernel therein, and immediately thereafter popping the kernels in a second atmospheric condition of reduced pressure from that of the first condition.

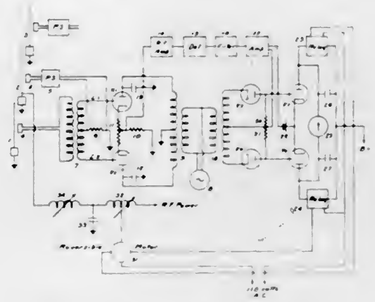
2,577,667
STAND-UP FLEXIBLE SCREEN
Stanley E. Waite, Oshkosh, Wis., assignor to Waite Carpet Company, Oshkosh, Wis., a corporation of Wisconsin
Application January 6, 1950, Serial No. 137,085
3 Claims. (Cl. 160—352)



1. In a stand-up horizontally flexible screen, a fabric structure made up of interwoven fiber filler strands and fiber warp strands, upright moldings attached to the ends of the screen for vertical support thereof, the filler strands of the fabric structure being also vertically disposed and the warp strands being horizontally disposed, and a plurality of evenly spaced dowel pins whose diameters are greater than the thickness of the fiber strands and also of that of the completed fabric structure and produce a vertical bulging of the screen at opposite sides thereof, the dowel pins being interwoven into the fabric structure to constitute certain of the filler strands therefor and engaged at opposite sides of the screen by vertically spaced groups of contiguous warp strands and protruding and exposed at opposite sides of the screen at the spaces between the groups of warp strands, the warp strands extending across the opposite sides of the dowel pins at the bulging portions of the screen bowing outwardly and symmetrically at such points of crossing and engaging the dowel pins relatively loosely to preserve to the fabric structure substantially full freedom of flexing movement either way into and out of a single plane, the upright moldings at the ends of the screen and the dowel pins rendering the fabric structure self-sustaining in an upright position with its lower edge resting upon a horizontal supporting surface and the strands of the fabric structure forming smooth, uninterrupted upper and lower edges throughout the entire horizontal dimension of the screen.

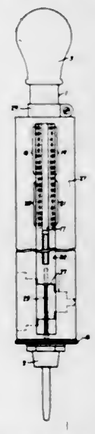
2,577,668
CIRCUIT STABILIZER
Raymond M. Wilmotte, Washington, D. C., and Clemens X. Castle, Silver Spring, Md., assignors, by direct and mesne assignments, to Padevco, Inc., Washington, D. C., a corporation of Delaware
Application May 15, 1944, Serial No. 535,767
16 Claims. (Cl. 343—101)

1. In combination, a pair of electron tubes each having an anode, cathode and control grid, means for impressing potentials of a first frequency counterphasally on the control grids, means for impressing potentials of the same freqency and normally in phase quadrature with said first potentials cophasally on said control grids, a load impedance connected between the cathodes and ground, a low impedance connection for said first frequency from each anode to ground, means for impressing a voltage of a second frequency counterphasally between the anodes and ground, the control grids being connected to the cathodes through the load impedance, means for balancing out the second frequency voltage across the load impedance when the first frequency potentials are in phase quadrature, whereby the second frequency voltage across the load impedance has a given phase when the phase difference between the first frequency potentials is less than 90 degrees and an opposite phase when the phase difference is more than 90 degrees.



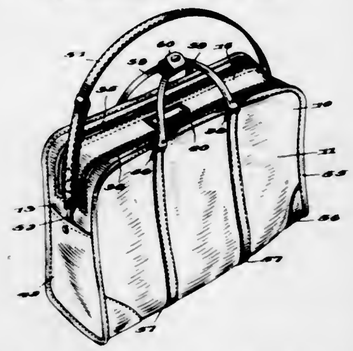
7. A system for controlling the entire contour of a radiation pattern, comprising, a radio transmitter, a plurality of wave energy radiators coupled thereto, and means for maintaining a predetermined relationship of both amplitude and phase of current flow to said plurality of radiators to maintain a predetermined entire contour of radiation pattern generated by said plurality of radiators, separate means coupled intermediate said transmitter and at least certain of said radiators and responsive to deviation from said predetermined relationship of relative amplitudes and phases of individual current flow in said at least certain of said radiators with respect to current in one of said radiators for re-establishing said predetermined relationship.

2,577,669
HYDROMETER
Frank R. Wilson, Lexington, Ky.
Application April 21, 1945, Serial No. 589,485
11 Claims. (Cl. 73—34)



10. A hydrometer for testing solutions having antifreeze material therein comprising a container for the solution to be tested including an elongated barrel of transparent material, a bulb fixed to one end of said barrel for expelling fluid from or drawing fluid into said container, means within the barel forming a chamber extending longitudinally of the barrel, the chamber being closed at the top and open at the bottom to form a trap for air preventing liquid from rising in the chamber when the barrel is filled above the bottom of the chamber, first indicating means comprising a float in said container, said float having a stem portion operable to enter the chamber, second indicating means comprising a thermometer extending longitudinally of said container and mounted to be responsive to the temperature of the liquid drawn into said container, and means for obtaining readings, corrected as to the temperature of the solution to be tested, indicating the freezing temperature of the solution by employing a reading obtained from noting the position of the upper end of said float, such last mentioned means comprising a member rotatably mounted on said container, said member having a plurality of longitudinally extending, circumferentially spaced, narrow sight openings disposed to have at least one of said indicating means visible therethrough and having a column of figures adjacent each opening for giving a reading of the freezing temperature which the solution will withstand, a casing for containing said rotatable member, said casing being nonrotatably mounted on said container and having a longitudinally extending sight opening through which one of the first mentioned sight openings and an associated column of figures of said rotatable member are visible, and said rotatable member having markings adapted to be brought into registration with the thermometer reading.

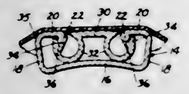
2,577,670
MULTICOMPARTMENT TRAVELING BAG
Edward E. Adams, Washington, D. C.
Application November 3, 1950, Serial No. 193,990
6 Claims. (Cl. 190—48)



1. A traveling bag for use with a carrying strap, said bag being made of flexible material and having pairs of parallel end and side walls and parallel top and bottom walls, a fixed internal partition extending from the bottom wall to the top wall, said partition being parallel with said side walls and positioned nearer one side wall than the other to divide the interior of the bag longitudinally into a large compartment and a small compartment, said top wall having a pair of openings extending longitudinally the entire length of the top wall and extending a short distance only down each end wall, one of said openings lying on each side of said partition to provide access to each compartment individually, closure means for closing each opening separately,

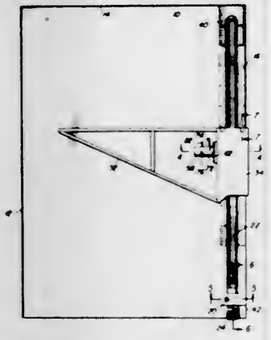
outer end flaps lying along each end wall of the bag, with their upper edge lying below the ends of said openings, said end flaps having bottom and side edges attached to the bag and having upper edges free of attachment to the bag, thereby providing end pockets, and means attached to the end walls of said bag positioned in each pocket thus formed for detachable connection to a carrying strap for the bag.

2,577,671
LINEAR STRUCTURAL MEMBER
John L. Barrett, Bloomfield Hills, Mich., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 5, 1947, Serial No. 789,861
2 Claims. (Cl. 189—37)



2. A linear structural member comprising one linear portion which is channel shaped in transverse cross section, a second linear portion which is channel shaped in transverse cross section and which is disposed within the channel of the first portion between the side walls thereof in inverted relationship with the bottom of the channel shaped second portion disposed approximately flush with the uper margins of the side walls of the channel of the first portion and with the side walls of the second portion seating against the bottom of the first portion and then curved outwardly upon themselves and backwardly toward the bottom of the channel and provided with shoulders facing opposite margins of the bottom of the channel and spaced therefrom, the side walls of the first portion being bent inwardly toward the bottom of the second portion and then bent downwardly inside of and into abutting engagement with the shoulders of the side walls of the second portion and tensioned outwardly against the shoulders of the side walls of the second portion.

2,577,672
MAKE-UP GALLEY
Frank Bernik, Mount Vernon, Wash.
Application March 1, 1948, Serial No. 12,319
19 Claims. (Cl. 276—43)



1. A galley comprising a type receiving plate having an elongated block on one of the side edges thereof, a type positioning and locking arm slidably carried by said block and disposed transversely on the plate, actuating means disposed in said block for moving said arm longitudinally on the plate, a guideway formed on the inner surface of the block, a guide and locking assembly carried by said arm and including a pin having a head portion slidably and rotatably disposed in the groove, means for selectively rotating and axially reciprocating said head portion in the groove to disengage said head from said groove, and means for locking said head portion in the groove whereby the arm is locked against longitudinal movement on the plate.

2,577,673
FRONT FENDER SKIRT
Harry Bookman, Los Angeles, Calif.
Application October 21, 1948, Serial No. 55,692
1 Claim. (Cl. 280—153)

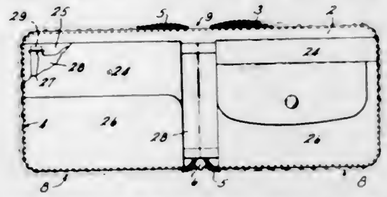


For use on a finished automobile front fender having an arcuate fender well at the side thereof open at the bottom and defining depending forward and rearward fender panels, a front fender skirt applicable to the outer side of said fender extending over the central fender body above the well, said skirt extending over said forward and rearward panels farther than over said central fender body, and means releasably securing said skirt to said fender above the well and over said forward and rearward fender panels, said means comprising a downwardly turned flange on an upper margin of said skirt, a stiffening lip on the bottom edge thereof, an elongate brace member having an end secured between the flange and the skirt body at said margin, another end of the brace member being secured to said opposite edge of the skirt, a clamp element comprising a link defining opposed arms pivotally secured to the brace member between the ends of the latter, said fender at said well defining a bead, one of said arms being hook-shaped to accommodate and grip said bead, holding means associated with the other arm and said brace member to retain the same in said gripping relationship to the bead whereby said skirt is firmly pressed against said fender, and a non-abrasive tape normally held between the flange and the fender to prevent marring of the latter.

2,577,674
METHOD OF AND MEANS FOR MAKING FLEXIBLE POCKET RECEPTACLES
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application April 11, 1947, Serial No. 740,860
4 Claims. (Cl. 154—41)

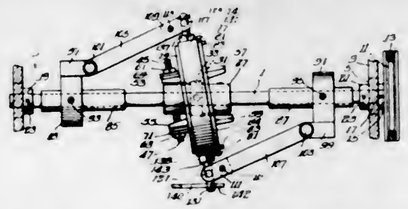
1. The method of assembling a slide fastener with the cover of a flexible pocket receptacle which comprises, cementing the outer face of the extending end portions of the tapes of a closed slide fastener to the inner face of a shaped cover sheet at opposite ends of the transverse centerline of the cover sheet with the adjacent ends of the tapes on opposite sides of said line and with the ends of the row of interengaged

elements of the fastener accurately aligned with said line, opening the fastener, positioning each tape around the periphery of the adjacent half of the cover with the interengageable elements carried thereby positioned below and spaced from the edges of the cover and with the free



edges of the tapes extending upwardly above the inner face of the cover, holding the interengageable elements fixed in said spaced relation from the edges of the cover, folding the upstanding edge portions of the tapes onto the inner face of the cover and cementing said portions to said face while the interengageable elements are so held.

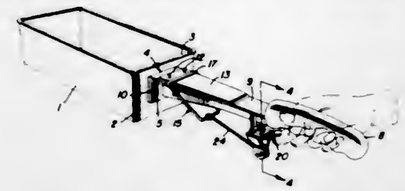
2,577,675
MECHANICAL MOVEMENT
Carl J. Burkland, Chicago, Ill., assignor of one-half to Earl Haubrich, Chicago, Ill.
Application September 23, 1948, Serial No. 50,795
11 Claims. (Cl. 74—60)



1. A mechanical movement comprising a rotary drive member, a raised annular bearing surface on said drive member, a sleeve tiltably mounted on said drive member over said bearing surface, and secured to said member to nutate and rotate on rotation of said member, the axes of said sleeve and said drive member being relatively inclined, means for adjusting the relative inclination, said adjusting means including means for exerting a force between said sleeve and said drive member substantially transversely of said drive member, a second member journaled on said sleeve, means connecting said sleeve and said second member for nutating said second member, and means for preventing rotation of said second member with said sleeve.

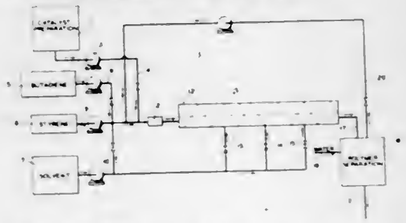
2,577,676
ATTACHABLE HANDLE FOR PANS
James L. Chance, Chester, Md., assignor of fifty per cent to Wesley E. Thawley, Denton, Md.
Application January 12, 1950, Serial No. 138,158
3 Claims. (Cl. 16—114)

1. A handle for attachment to a side ledge fixed to a pan and having a pair of apertures, said handle comprising a shank, a flat leaf spring on said shank reacting away from said shank to provide for placing said shank and spring into straddling relation to said ledge, said spring being flexible toward said shank into clamping relation thereto to grip the ledge between the same and said spring, studs on said shank adapted for insertion through said apertures, said spring having apertures therein for receiving said studs in the clamping relation of the shank and spring for locking said handle to said ledge, and manipulative means on said handle for flexing said



spring toward said shank comprising a pivoted member on the shank for swinging against said spring, and a pivoted finger operative member on said shank beneath the same for swinging said member.

2,577,677
SOLUTION POLYMERIZATION
Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 24, 1946, Serial No. 718,184
5 Claims. (Cl. 260—83.7)

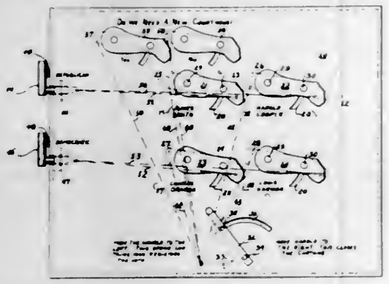


1. In a process for the polymerization of a monomer mixture comprising a major portion of 1,3-butadiene and a minor portion of styrene in the presence of finely divided metallic sodium as polymerization catalyst, the improvement which comprises dissolving said monomers in 40 to 100 parts of liquid benzene, continuously passing a resulting solution in admixture with a finely divided sodium catalyst through a polymerization zone under polymerization conditions, adding at an intermediate point along the length of said polymerization zone additional liquid benzene in an amount between 100 and 200 parts, adding at a subsequent point along the length of said zone an additional quantity of liquid benzene in an amount between 100 and 500 parts, all parts being parts by weight per 100 parts by weight of said monomer mixture, continuously passing from said polymerization zone a solution of resulting polymeric synthetic rubber in benzene so produced, admixing water with said solution and recovering from said solution a synthetic rubber as a product of the process.

2,577,678
INSTRUCTIONAL DEVICE ON THE OPERATION OF VOTING MACHINES
Carl R. Finegan, Elyria, Ohio
Application August 6, 1948, Serial No. 42,858
3 Claims. (Cl. 35—13)

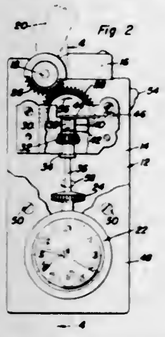
1. An instruction device for instructing a voter in the correct manipulation of a voting machine comprising, a keyboard having a back side and having a face side with a representation of a

voting machine used by the voters and including party rows of candidate names for offices, a voting indicator for each name pivotally mounted on the face side of said keyboard for movement angularly toward its respective name to a voted position and for movement angularly away from its respective name to a non-voted position, levers having opposite ends on the back side of said keyboard one secured between the opposite ends thereof to each voting indicator for angular movement therewith, a party lever for each of the party rows pivotally mounted on said keyboard and in substantial longitudinal alignment with the voting indicators of its respective party row of candidates, first flexible connectors interconnecting each of said party levers and one end of each of the levers in its respective party row



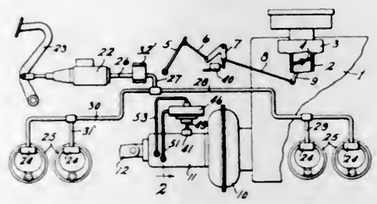
to move all of the voting indicators in that row into voted position upon pivotal movement of the party lever, a curtain handle pivotally mounted on the face side of said keyboard for movement angularly in one direction to an open curtain position and for movement angularly in the opposite direction to a closed curtain position, a control lever on the back side of said keyboard and secured to said curtain handle for angular movement therewith, and second flexible connectors interconnecting the other end of each of said levers and said control lever to angularly move its respective voting indicator to its non-voted position upon movement of the curtain handle to its open curtain position, thereby symbolizing the registering of a vote on a voting machine.

2,577,679
COMBINED LIGHTER AND WATCH
Frank H. Fraser, Wellsville, Ohio, assignor of one-half to Richard C. Haugh, Wellsville, Ohio
Application February 27, 1950, Serial No. 146,549
1 Claim. (Cl. 58—80)



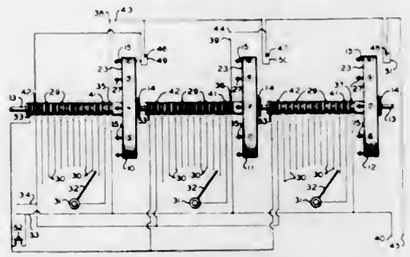
The combination of a pyrophoric lighter including a housing and a snuffer cap swingable in opposite directions on said housing between closed and open positions, a watch carried by the housing and including a rotatable and slidable winding and time setting crown, and an operative connection provided between said snuffer cap and said crown, said connection including a toothed segment operated by said snuffer cap, a combined bevel and spur gear driven by said segment, a pinion driven by said gear, a stem secured to said crown, an overrunning clutch member secured to said stem, a cooperating clutch member fixed to said pinion, said overrunning clutch member being disengageable from said cooperating clutch member by axial shifting of the stem as when the crown is manually shifted for hand setting, and a leaf spring bearing against said overrunning clutch member and biasing the same into engagement with the cooperating clutch member, whereby said crown may be intermittently rotated in one direction only to wind said watch by successive swinging movements of said cap and whereby the watch hands may be set when the clutch members are disengaged.

2,577,680
CONTROL MECHANISM FOR THE BRAKE HOLDERS OF AUTOMOTIVE VEHICLES
Kenneth A. Harmon, Longmeadow, and Glen A. Guernsey, West Springfield, Mass., assignors to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application October 17, 1950, Serial No. 190,608
10 Claims. (Cl. 192—3)



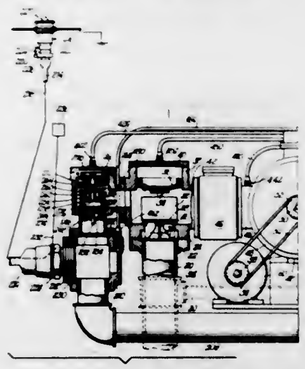
1. In an automotive vehicle, having an engine, a torque-transmitting connection from the engine including a clutch, transmission and propeller shaft for driving the vehicle wheels, an accelerator for controlling the engine, a fluid pressure braking system, a valve in said system operable when closed to hold the brakes applied, a pump driven with said shaft, a reservoir for liquid, a suction conduit connecting the reservoir to the inlet of the pump, a pressure motor including a chamber having a movable wall, a conduit connecting the outlet of the pump to said chamber, a non-return valve in the last-named conduit, a vent conduit from said chamber to said reservoir and having a restricted orifice retarding the outflow of liquid from the chamber, an operating connection between said wall and first-named valve, yieldable means acting on said wall with a predetermined and relatively low pressure to hold the first-named valve open, and means connecting the accelerator and first-named valve to open the latter when the accelerator is moved from engine-idling position, said pump producing pressure in said chamber which increases as the speed of said shaft increases, the pressure in said chamber decreasing, when said accelerator is released, at a time rate through said restricted orifice, whereby said first-named valve cannot close until the lapse of a certain time interval from the release of the accelerator irrespective of propeller shaft speed.

2,577,681
PERMUTATION SWITCH
Henry Haskett, Annapolis, Md.
Application April 1, 1949, Serial No. 85,009
7 Claims. (Cl. 171—97)



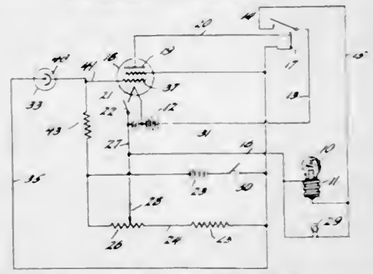
1. A permutation switch for energizing one or more circuits upon compliance with a series of selectively predetermined conditions comprising a switch associated with each circuit, means connecting said switches in series whereby the operation of each switch to energize its associated circuit is dependent upon the closing of the preceding switches, a rotatable switch actuator associated with each switch and having a plurality of selectively operable switch operating elements each comprising a member mounted in said actuator for movement to and from a retracted or extended position, drive means for rotating said actuators, solenoid means operably associated with each operating element for moving the same to extended position, cancellation means on each actuator, means for operating said cancellation means to move extended operating elements to retracted position, selector switch means for selectively energizing said solenoids and means on said operating elements for rendering said selector switch means inoperative upon movement of one of said operating elements to operative position.

2,577,682
AIRPORT FUELING MECHANISM
Sherwood Hinds, Columbia City, and J. Gordon Dahlem, Fort Wayne, Ind., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application August 17, 1946, Serial No. 691,212
13 Claims. (Cl. 222—23)



1. In liquid dispensing apparatus, the combination of a flexible, collapsible hose, valve mechanism normally closing the hose at its dispensing end and maintaining it in an exhausted, collapsed condition, means for pumping liquid into said hose at will, the valve mechanism opening the dispensing end of said hose when the pressure of said liquid pumped into said hose has risen above a predetermined point, means for measuring the amount of liquid dispensed from said hose after the pressure within said hose is at or above said predetermined point, means for registering the amount of liquid dispensed from said hose, pressure controlled means for rendering said last named means operative to register when the pressure within the hose is at or above said predetermined point, and means for pumping liquid within said hose back out of said hose at will, thereby reducing the pressure of said liquid in said hose, causing said dispensing end to close, and thereby returning said hose to exhausted, collapsed condition.

2,577,683
PHOTOFLASH CONTROL SYSTEM
Paul S. Hoffman, Dayton, Ohio, assignor to Globe Industries, Inc., Dayton, Ohio
Application March 18, 1947, Serial No. 735,376
3 Claims. (Cl. 67—31)

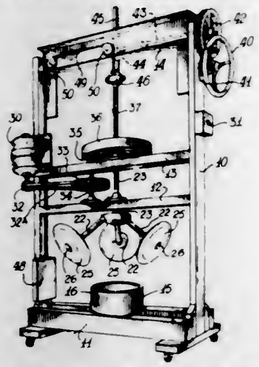


1. In an apparatus of the class described; an electric circuit including an amplifier tube having a cathode, an anode, and a control electrode; an output circuit including said cathode and said anode, a relay connected in series with said output circuit; a source of current, a voltage divider connected to said source, a portion of said voltage divider being connected to the control electrode, variable means adjustable immediately before each use for imposing a variable portion of said voltage divider upon the control electrode so as to permit adjustment of the current flowing in the output circuit such that the current in the output circuit is slightly less than the current required to actuate the relay; and indicator means for use in adjusting said variable portion of the voltage divider, said indicator means being responsive to the relay being actuated for indicating whether or not the current flowing through the output circuit is greater or less than the current required to actuate the relay.

2,577,684
CIRCUMFERENTIALLY TRAVELING TYPE FRAME MOUNTED TIRE REMOVER
Edmund Donatus Horne, Enfield, Nova Scotia, Canada
Application March 16, 1949, Serial No. 81,806
In Canada May 28, 1948
2 Claims. (Cl. 157—1.24)

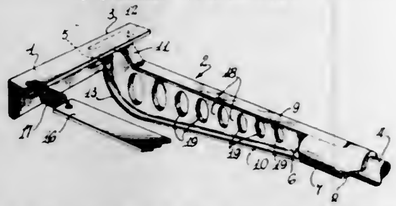
1. In a device for removing tires from wheel rims, a support for the wheel, a shaft coaxial with the wheel and upwardly spaced therefrom, arms extending radially outwardly from said shaft, rigid therewith, and downwardly inclined relatively thereto, discs mounted for rotational and translational movement on said arms and adapted

to abut the wheel rim and a side of the tire at their junction, said discs movable towards the wheel axis along the side of said side of the tire to exert a wedging action between the latter



and the adjacent face of said rim whereby said tire is urged from said rim, means for rotating said shaft and means independent of the rotational movement of said shaft for urging same towards the wheel.

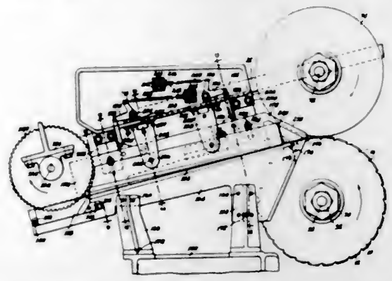
2,577,685
SIDE BRACKET FOR BEDSPRINGS
Joseph Rodolphe Houle, Victoriaville, Quebec, Canada
Application October 4, 1950, Serial No. 188,406
3 Claims. (Cl. 5—200)



1. A side bracket of the character described comprising a middle portion of I-beam cross-sectional contour the top and bottom flange of said middle portion converging toward the inner end of said side bracket, a sleeve integrally formed at said inner end aligned with said middle portion, the axis of said sleeve lying in a plane substantially parallel with the plane containing the top flange of said middle portion, said top flange bent upwardly at its outer end to form an inclined portion, a flared flange portion extending from said inclined portion of said top flange and lying in a plane disposed above and substantially parallel with the said top flange, a T-shaped flange portion formed at the outer end of said bracket and meeting said flared flange portion at right-angles, and a rounded flange portion merging with and linking said T-shaped flange portion and said bottom flange.

2,577,686
METHOD OF FILLETING FISH
William H. Hunt, National City, Calif., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass., a corporation of Delaware
Application September 20, 1946, Serial No. 698,097
5 Claims. (Cl. 17—45)

1. A method for filleting fish comprising feeding the fish tail first, incising the portion of the fish between the tail and the belly from the dorsal side past the backbone and substantially through the ventral side of the fish by a cut commencing adjacent the tail end and progressing towards the head end of the fish, continuing the cut



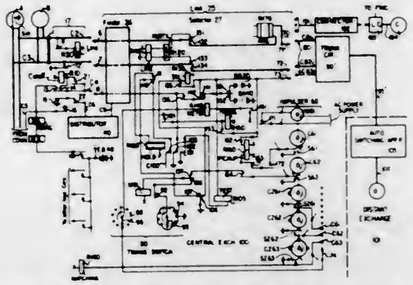
towards the head end of the fish to incise the portion of the fish which is on the dorsal side of the ribs thereof from the dorsal side to a line short of the backbone joints of the ribs, and thereafter severing the fillet from the ribs.

2,577,687
WEED KILLER
Fred J. Lee, Pasadena, Calif.
Application December 5, 1949, Serial No. 131,237
2 Claims. (Cl. 222—322)



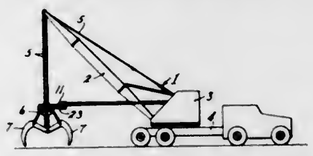
1. A liquid dispenser comprising a portable liquid container, said container at its lower end having a casing having a valve chamber, a downwardly closing valve for said valve chamber, spring means for urging said valve to closed position, said valve having an operator extending outwardly from said chamber, said chamber having a plurality of discharge ports controlled by said valve and arranged around said operator, said casing comprising a molding of plastic material, said casing having an outer end having a central bearing aperture for said operator, said bearing aperture and said ports tapering out in a direction inwardly of the lower end of said casing and said bearing aperture and said ports having parallel axes, said operator snugly fitting the outer end of said bearing aperture whereby flow from said chamber is mainly through said ports.

2,577,688
AUTOMATIC MEASURED SERVICE TELEPHONE SYSTEM
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1947, Serial No. 777,934
17 Claims. (Cl. 179—8.5)



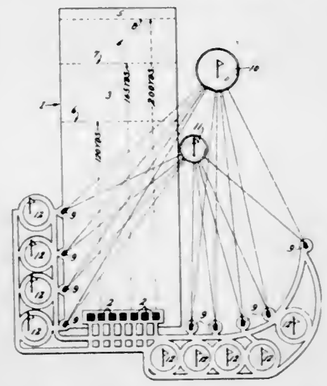
1. In a telephone system including a party line having first and second stations thereon, a first meter individual to said first station, a second meter common to said first and second stations, automatic switching apparatus, and means controlled from either calling one of said stations on said party line for operating said switching apparatus to extend a connection therefrom; a first source of potential, a second source of potential, means included in said switching apparatus for identifying the calling one of said stations, means governed by said identifying means for selecting said first source of potential incident to the identification of said first station as the calling station and for selecting said second source of potential incident to the identification of said second station as the calling station, and means including said selected first source of potential for operating both said first and second meters and including said selected second source of potential for operating only said second meter so that said first meter is operated to measure service rendered only to said first station and said second meter is operated to measure service rendered to both said first and second stations.

2,577,689
CONTROL FOR GRAPPLES
George G. Morin, South Hadley Falls, Mass., assignor to Morin Manufacturing Company, Incorporated, Holyoke, Mass., a corporation of Massachusetts
Application August 19, 1948, Serial No. 45,116
4 Claims. (Cl. 212—44)



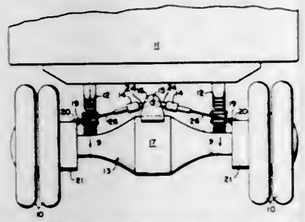
1. A control for grapples and the like suspended from power cranes which comprises, an annular member secured to the grapple, an elongated frame rotatably secured to said member at one end of the frame to permit rotation of the grapple relative to the frame about a vertical axis, a vertical shaft carried by the frame intermediate its ends, a sprocket carried by said shaft, a chain connecting said sprocket and said member for driving the latter from said shaft, a pulley fixed to the shaft, two taglines respectively connected to said pulley to rotate the latter in opposite directions, means applying frictional restraint to the rotation of said shaft, a constantly operating slack take up means for each tagline, guide means carried by said frame at the end opposite said member and engaging the taglines to maintain the frame in alignment with the taglines, a power driven windup for each tagline, and means to apply power to either or both of said windups.

2,577,690
FIELD FOR PLAYING GOLF
Milton B. Reach, Springfield, Mass.
Application November 27, 1948, Serial No. 62,354
1 Claim. (Cl. 273—35)



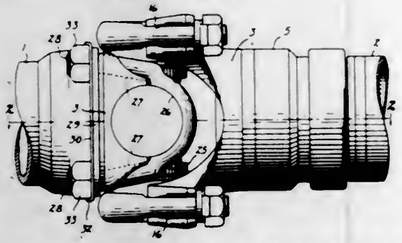
A golf game structure comprising a playing field and on the field a full size fairway provided at one end thereof with a series of spaced driving tees for long wood drives along said fairway, a set of spaced second shot tees arranged along one edge of the fairway adjacent one end of said series of driving tees, a target area offset from the opposite end portion of the fairway and forming a target for said second shot tees with each of the latter presenting separate paths thereto of varying distances and at different angles transversely of the fairway, the second shot tee adjacent the end of said series of driving tees being most distant from said target, another set of tees consisting of a series of spaced second shot tees arranged at the other end of said series of driving tees and extending substantially in line therewith and curving toward said target area, said latter set of second shot tees presenting separate paths to said target area substantially parallel with said fairway at the same side thereof and at varying distances from said target each being less distant than the aforesaid most distant second shot tee of said first set, a spaced putting green located rearwardly of each of said second shot tees of each set, and a second target area inwardly spaced from said first target toward the series of driving tees and positioned outside said fairway and within the triangular area formed by the first target and the second shot tees adjacent each end of the series of driving tees each of said target areas being of a size similar to and to simulate a green used as a target on an orthodox golf course.

2,577,691
WEIGHT MEASURING APPARATUS
Fred W. Shrader, Los Angeles, and Henry W. Bigge, Oakland, Calif.
Application January 18, 1945, Serial No. 573,421
9 Claims. (Cl. 265—40)



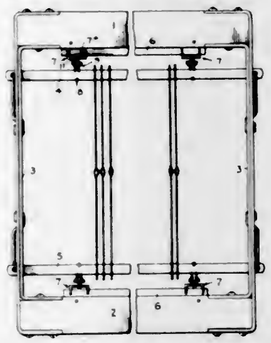
4. Apparatus for measuring the useful load carried by a wheeled vehicle having a pair of wheels supporting an axle, and having a carrying body supported on said axle at points intermediate said wheels and the central region of said axle, said apparatus comprising, in combination with said axle, means rigidly associated with said axle providing a pair of bearing points vertically spaced from the axis of said axle and spaced from each other longitudinally of said axle, means including a load sensitive instrument interposed between said bearing points and responsive to the change in distance between said bearing points as the result of deflection of said axle under the useful load carried by said vehicle, an indicator instrument operatively connected with said load sensitive instrument, adapted to respond to the changes in loading thereon caused by said axle deflection, and to give a direct reading of the loading on said load carrying member, means selectively operable for rendering said indicator instrument operable or inoperable, and mechanism controlled by said last named means for removing load from said load sensitive instrument when said indicator instrument is inoperable.

2,577,692
UNIVERSAL COUPLING
William W. Slaght, Rocky River, Ohio, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 18, 1947, Serial No. 729,346
1 Claim. (Cl. 64—17)



A universal joint comprising a transverse web, an annular shaft-receiving flange projecting axially from one side of said web, and a pair of trunnion receiving arms projecting axially and outwardly in diametrically opposite directions from the opposite side of said web, said arms having diametrically alined open-sided trunnion receiving recesses in their ends, each of said arms providing an elongated flat shoulder parallel to said web between the plane thereof and the recess in the arm and having a pair of open-sided U-bolt positioning channels formed on diametrically opposite sides of the recess, said pair of channels diverging axially of said member in the direction of said shoulder and terminating at the ends thereof with the open sides of the channels facing outwardly from the ends of said shoulder and away from the recess, bearing thimbles positioned in said recesses, U-bolts having diverging legs straddling said thimbles and fitting into said positioning channels, said legs having threaded parallel end portions projecting beyond said shoulders, straps resting against said shoulders with apertures receiving the parallel ends of said U-bolts, and nuts on the parallel ends of said U-bolts bearing against said straps for drawing the U-bolts tightly over said thimbles.

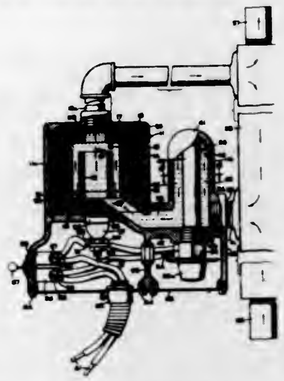
2,577,693
HEDDLE FRAME
Frederick Max Suchke, Atlanta, Ga., assignor to Pioneer Heddle and Reed Company, Incorporated, Atlanta, Ga., a corporation of Georgia
Application March 28, 1949, Serial No. 83,830
4 Claims. (Cl. 139—92)



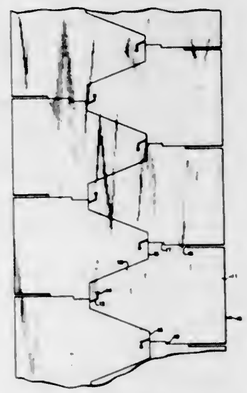
1. The combination of a heddle frame including cross members and heddle bars therein, tracks on the inside of the cross members of the frame, a stirrup having its ends bent in respect to its central portion and having apertures to receive a track, a hanger hook having a stem and a flattened body fastened to the central portion of the stirrup adapted to receive a heddle bar, and a clip having its central portion movably mounted on the stem of the hanger hook and having its ends bent down along the outside of the hanger hook, said ends being notched to engage the edge of a heddle bar.

2,577,694
HEATING APPARATUS
Roy E. Winn, Los Angeles, Calif.
Application November 14, 1947, Serial No. 785,836
9 Claims. (Cl. 219—39)

1. In electric heating apparatus for heating and maintaining liquid in a storage tank at a substantially uniform temperature, the combination of a storage tank having a hot-liquid outlet from the same, an electric heater having a casing with a heating chamber, a liquid inlet to said heater connected from the tank at a low level, an uptake outlet for the liquid from the said electric heater, means connecting said hot-liquid outlet to the tank at a higher level, and a thermally-controlled device having a duct within which the thermally sensitive element is mounted, located in the line of flow of the water passing from the tank to the heating chamber of the electric heater, past which all the circulating water passes, and operating to close the heating circuit through the heater at a predetermined temperature; said heater co-operating with said uptake to induce an upward flow of water in the uptake.

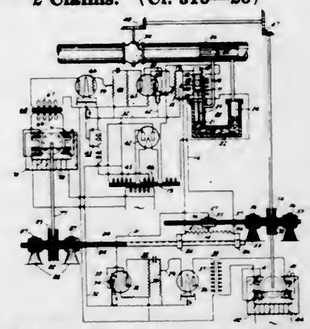


2,577,695
SHINGLE CONSTRUCTION
Floyd L. Worsham, Anniston, Ala.
Application August 27, 1946, Serial No. 693,225
3 Claims. (Cl. 108—7)



1. A composition shingle adapted to be laid in side by side relationship with similar shingles comprising a rectangular base portion and an integral truncated tongue portion extending from one edge thereof, an edge of the tongue portion and the edges of the base portion being substantially parallel to each other, one side of the base portion being provided with a parallel stepped-down portion forming a recess extending to the said one edge thereof, the opposite side of the base portion being provided with three progressively stepped down parallel edges of progressively increased lengths separated by shoulders, the uppermost of said edges being of identical length and depth with the recess provided in the opposite side of the base portion whereby when a plurality of shingles are laid in side by side relationship to form a pattern the uppermost of said stepped-down edges will be received within the recess in the side of the adjacent shingle, the intermediate stepped-down portion will abut the side of the adjacent shingle adjoining the recess therein, and the lowermost of said stepped-down portions will provide a space between adjacent shingles, said truncated tongue portion being provided with an angular slot in the outer end thereof providing a locking tab to be inserted beneath the edge portion of an adjacent shingle.

2,577,696
ELECTRIC POSITIONING-PROPORTIONAL FLOATING CONTROL
Thomas A. Abbott, La Grange, and Jerome B. McMahon, Wilmette, Ill., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application March 22, 1946, Serial No. 656,463
2 Claims. (Cl. 318—28)

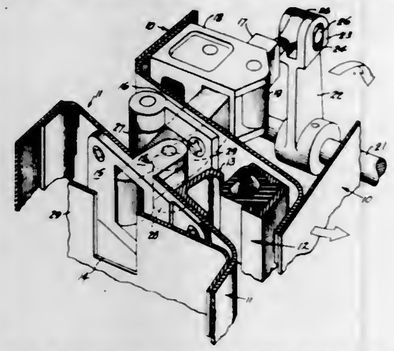


1. In a system for controlling a variable quantity, comprising a first reversible electric motor for producing control effects tending to increase or decrease said quantity accordingly as the motor operates in one direction or in an opposite direction, a second reversible electric motor, a control member movable in accordance with variations in said quantity to be controlled, an electrical control circuit for each of said motors having means cooperating with said member for producing electrical quantities variable in phase and magnitude in accordance with the direction and magnitude of adjustment of said control means for effecting operation of said motors, a pair of relatively movable elements comprising a resistance and slidable tap for the resistance, said elements being connected in a circuit for increasing or decreasing the electrical quantity producing the operating effect of said first motor in accordance with their relative positioning and means mechanically connecting the resistance element to the second one of said motors and the tap element to the first one of said motors for effecting simultaneous movement of each of said elements in the same direction.

2,577,697
SAFETY DEVICE FOR PRESSURIZED CABIN DOORS
John B. Castle, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application November 26, 1948, Serial No. 61,939
8 Claims. (Cl. 244—129)

1. In an aircraft of the type having a pressurized compartment and means to provide pressure airflow into and out of said compartment and to maintain the air pressure within said compartment above ambient atmospheric pressure and including an aperture in the outer wall of said compartment and a panel member mounted in sealing relation in said aperture for outward opening, safety latch mechanism comprising:

fixed latch means carried by said wall; latch means carried by said panel member and movable, in the general plane of said panel member, in one direction to release said panel member for opening and in another direction to a position inwardly of said fixed latch means to retain said panel member in closed, sealing relation; said movable latch means having an outwardly facing, engageable surface provided toward its free end with a depression and with a first detent portion nearer to said free end and defining the outer limit of said depression; said fixed latch means having a second detent portion extending toward said engageable surface and adapted to



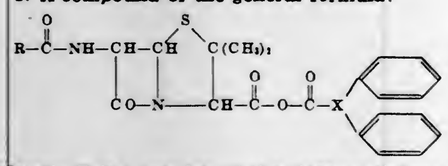
contact successive portions thereof and to seat in said depression upon predetermined partial withdrawal of said movable latch means to provide for partial opening of said panel member and escape of pressure air from said compartment; the innermost part of said second detent portion extending inwardly of the outermost part of said first detent portion when seated in said depression and preventing full disengagement of said latch means; said first detent portion being movable past said second detent portion for full disengagement of said latch means only upon inward movement of said panel member.

2,577,698
MELAMINE SALT OF PENICILLIN
Lee Cannon Cheney, Fayetteville, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application April 6, 1951, Serial No. 219,760
2 Claims. (Cl. 260—239.1)

1. A salt of penicillin and melamine.

2,577,699
PENICILLIN ANHYDRIDES
Douglas E. Cooper, Syracuse, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application September 10, 1949, Serial No. 115,110
7 Claims. (Cl. 260—239.1)

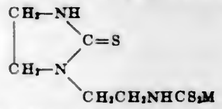
5. A compound of the general formula:



wherein R is a member of the class consisting of benzyl, p-hydroxybenzyl, p-chlorobenzyl, Δ-2-pentenyl, n-heptyl and n-amyl; and X is an alkylene chain containing 1 to 2 carbon atoms.

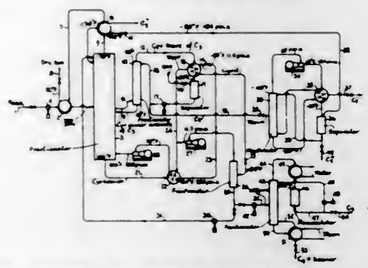
2,577,700
THIONOIMIDAZOLIDYLETHYL DITHIOCARBAMATES
Willard J. Croxall, Bryn Athyn, and Chien-Pen Lo, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 26, 1950, Serial No. 192,353
6 Claims. (Cl. 260—299)

1. Compounds having the formula



wherein M is a salt-forming group.

2,577,701
FRACTIONATION PROCESS
Philip Harvey Deming and Malcolm Lee Sagenkahn, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 20, 1946, Serial No. 670,941
10 Claims. (Cl. 62—175.5)

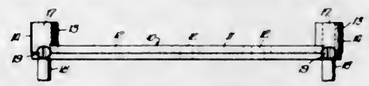


1. A process of separating ethylene from a mixture comprising essentially only ethylene and ethane, which comprises separating the mixture in a fractionating zone into a vapor fraction rich in ethylene and poor in ethane and a liquid fraction rich in ethane and poor in ethylene, said vapor fraction being at a lower temperature than said liquid fraction, substantially adiabatically compressing the vapor fraction and raising its temperature above that of the liquid, simultaneously liquefying a portion of the vapor fraction and vaporizing at least a portion of the liquid fraction by heat exchange between said fractions, returning at least portions of the liquefied vapor fraction and of the vaporized liquid fraction separately and respectively to the upper and lower sections of the fractionating zone, and withdrawing unliquefied vapor fraction as substantially pure ethylene.

2,577,702
TOY CONSTRUCTION ELEMENT
Jan de Swart, Los Angeles, Calif., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application June 3, 1947, Serial No. 752,104
5 Claims. (Cl. 46—17)

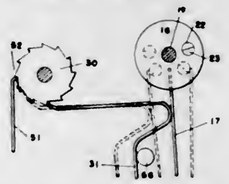
1. A toy construction element comprising a relatively flat elongate bar having integral end formations, said bar being provided with spaced

bores between said end formations, each of said end formations comprising a laterally extending open-ended tubular portion provided with an axial bore, a short pin extending in a direction



opposite to the tubular portion and laterally directed opposed axle forming pin members, each of said pin members having a slotted end and provided with a wheel retaining peripheral shoulder spaced inwardly of said end.

2,577,703
ELECTRIC WATCH
Arthur E. Fillinger, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application October 31, 1947, Serial No. 783,319
1 Claim. (Cl. 58—28)

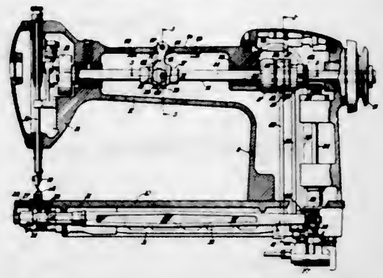


An electric watch having hands comprising an electromagnetically driven balance wheel assembly, a train of gears including a ratchet wheel for driving the hands, a contact post formed of a semicylindrical section of electric conducting material and a semicylindrical section of a dielectric material, fixedly carried by said balance wheel assembly, a battery, an electromagnet, a spring contact arm connected to said battery and adapted to engage the contact post on said balance wheel assembly to energize said electromagnet when moving clockwise to impulse said balance wheel, an elongated substantially L-shaped ratchet arm secured at one end and upturned at its free end to form a ratchet wheel engaging prong, said arm being decreased in thickness adjacent its secured end and adjacent the butt of the L to insure transverse flexure of each of the legs of the L, said arm being contacted and moved by contact with said moving spring contact arm to index said ratchet wheel, the flexure of the legs insuring operation of the ratchet wheel, the mechanical impulse transmitted through said spring ratchet arm to said ratchet wheel occurring simultaneously with the electrical impulse imparted from said electromagnet to said balance wheel.

2,577,704
PROCESS OF DRYING PLUMS AND GRAPES
Earl W. Flosdorf, Forest Grove, Pa., assignor to Tabor-Olney Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application March 9, 1950, Serial No. 148,735
1 Claim. (Cl. 99—199)

The process of producing dried plums and grapes which on the addition of water reconstitute to the substantial equivalent of the fresh fruit, which comprises cutting fresh fruit into sections, dusting ascorbic acid over the cut areas, freezing the fruit and removing the water from such frozen fruit by use of high vacuum.

2,577,705
ADJUSTABLE FEED MECHANISM FOR SEWING MACHINES
Robert L. Hoffmeister, Westfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 28, 1949, Serial No. 118,337
7 Claims. (Cl. 112—210)



1. A work-feeding mechanism for sewing machines having a rotary shaft, comprising a movable feed-dog, a feed-lift eccentric operatively connected to said feed-dog, an adjustable feed-advance eccentric mounted on said rotary shaft and operatively connected to said feed-dog and including relatively movable inner and outer elements having interengaging surfaces inclined to the longitudinal axis of said rotary shaft, a sleeve slidable on said rotary shaft, a connection between said sleeve and one of the elements of said feed-advance eccentric, an eccentric operatively associated with said sleeve, and means providing for turning said eccentric and thereby shifting said sleeve lengthwise of said rotary shaft.

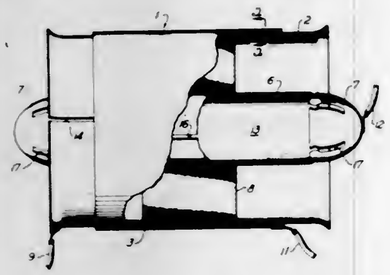
2,577,706
HIGH MELTING-HIGH WATER-RESISTANT GREASE
Bruce W. Hotten, Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 26, 1948, Serial No. 62,230
19 Claims. (Cl. 252—42)

1. An improved lubricant comprising a major proportion of a grease stock consisting essentially of a lubricating oil and an organic acid alkali metal salt grease thickening agent, and a small amount, sufficient to improve the resistance of said grease stock to emulsification in water, of a polymeric compound containing recurring saponifiable groups selected from the class consisting of carboxyl and carboxy-ester groups, of which from 10% to 60% are saponified by metals selected from the group consisting of alkali metals and alkaline earth metals.

2,577,707
PULSE TRANSFORMER
Quentin A. Kerns and William R. Baker, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application August 8, 1950, Serial No. 178,267
8 Claims. (Cl. 323—44)

1. A pulse transformer comprising a pair of concentric hollow split cylinders, a primary winding about the outer circumference of the larger of said cylinders and electrically connected at the inner end thereof to said larger cylinder, a secondary winding about the smaller of said cyl-

inders and electrically connected at one end to said smaller cylinder and at the other end to said larger cylinder, means impressing pulsed energy



between the outer end of said primary winding and said larger cylinder, and means for removing transformed pulsed energy from between said larger and smaller cylinders.

2,577,708

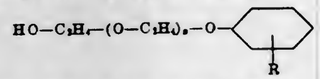
ALKYLENEOXY-BENZYL DIAMINODIPHENYL SULFONE

Milton Kosmin, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 24, 1948, Serial No. 61,894

4 Claims. (Cl. 260—397.6)

1. A reaction product of from five to 30 moles of ethylene oxide and one mole of a product prepared by the reaction of one mole of 4,4'-diaminodiphenyl sulfone with one mole of a product prepared by the reaction of equimolar proportions of formaldehyde, hydrogen chloride, and a compound having the structure:



wherein R is an alkyl radical having up to 18 carbon atoms and x is a small whole number from five to 30.

2,577,709

COATING COMPOSITION COMPRISING THE REACTION PRODUCT OF VINYL ESTERS OF TALL OIL ACIDS WITH STYRENE AND AN ISOPROPENYL COMPOUND, AND THE METHOD OF PREPARATION

Paul E. Marling, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 29, 1948, Serial No. 51,858

10 Claims. (Cl. 260—27)

3. A method of preparing a coating composition which comprises heating vinyl esters of tall oil acids while gradually adding thereto from 33⅓ percent to 300 percent of a mixture of 50 to 95 percent styrene and 5 to 50 percent of a compound of the group consisting of isopropylbiphenyls and isopropylbenzene, at the reflux temperature of the reaction mixture, and in the presence of the catalyst, benzoyl peroxide; and continuing heating the mixture to a temperature of 500 to 550° F., and thinning the product with a miscible solvent.

2,577,710

PERMANENT WAVING COMPOSITIONS AND METHODS

Everett G. McDonough, Yonkers, N. Y., assignor, by mesne assignments, to The Procter and Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application June 16, 1941, Serial No. 398,235

18 Claims. (Cl. 132—7)

4. The method of permanently changing the configuration of human hair without damage to the hair structure, including the steps of imparting the desired configuration to the hair and treating of the hair for a length of time with a permanent waving solution comprising an alkaline material having a dissociation constant less than 5×10^{-3} and a mercaptan of the general formula R—SH where the organic group R contains a carbon atom attached to the sulfur atom, said mercaptan having a vapor-pressure-depressing substituent in the organic group R and having a molecular weight less than 121, said solution having a pH higher than pH 7 and not higher than pH 9.5, the concentration of the mercaptan in terms of weight per volume ranging between about 1% and about 10%, the concentration of mercaptan and the pH of the solution being adjusted within said ranges to obtain a permanent change in the configuration of human hair during a given time of application without damage to the hair structure by having the concentration of mercaptan in the higher portion of said concentration range for a lower pH and having the concentration of mercaptan in the lower portion of said concentration range for a higher pH within the stated pH range; and then fixing said configuration.

2,577,711

PERMANENT WAVING COMPOSITIONS AND METHODS

Everett Goodrich McDonough, Yonkers, N. Y.

No Drawing. Application November 1, 1949, Serial No. 124,940

13 Claims. (Cl. 132—7)

1. A permanent waving composition comprising in solution a mercaptan having the general formula R—SH, where the organic group R contains a carbon atom attached to the sulfur atom, said mercaptan having a hydroxyl substituent in the organic group R, in a solution containing an alkaline material having a dissociation constant less than 5×10^{-3}, said solution having a pH higher than pH 7 but not higher than pH 9.5, the concentration of said mercaptan in terms of weight per volume ranging between about 1% and about 10%, the concentration of mercaptan and the pH of the solution being adjusted within said ranges to obtain a permanent change in the configuration of human hair during a given time of application without damage to the hair structure.

2,577,712

APPARATUS FOR CONTROLLING FREENESS OF PAPERMAKING STOCK

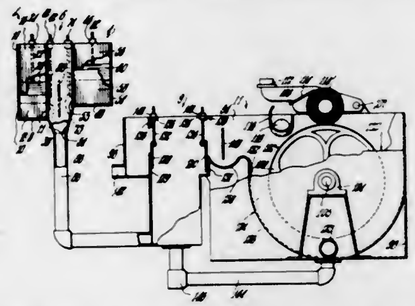
Clifton N. Nilson, Springfield, Mass., assignor to Cheney Bigelow Wire Works, Springfield, Mass., a corporation of Massachusetts

Application May 17, 1947, Serial No. 748,775

3 Claims. (Cl. 92—46)

1. The combination of stock treating apparatus for delivering stock to a paper machine and having adjustable means for varying the freeness of stock with apparatus for adjusting the means accordingly as the freeness of stock varies

comprising, means to receive a portion of the stock, means to mix the stock with water in predetermined proportions and provide stock of certain consistency, a vat to receive the stock having a white water compartment and a foram-



inous mat forming element rotatable therein whereby a mat is formed on said element and different levels of stock and white water are provided in said vat and white water compartments, and means for operating the adjustable means actuated by the differential in the levels.

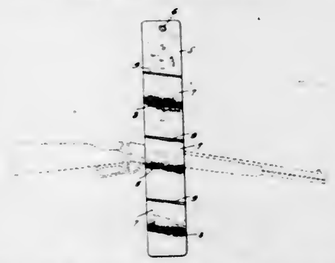
2,577,713

PORTABLE GUN RACK

James E. Nogle, Jacksonville Beach, Fla.

Application November 13, 1945, Serial No. 628,125

1 Claim. (Cl. 211—64)



A gun rack comprising a body formed of a length of wide flexible material having a hook-receiving opening at the upper end thereof, a plurality of vertically spaced gun-receiving pockets, each pocket comprising a length of wide flexible material folded upon itself, the meeting edges of each pocket being secured together and being secured to the body by a line of stitching, the upper and lower edges of the pockets being disposed at oblique angles with respect to the side edges of the body whereby a gun positioned therein will be balanced against accidental displacement from the pockets.

2,577,714

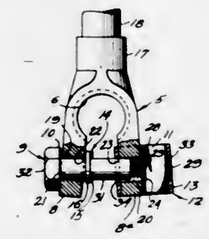
BATTERY CABLE CLAMP

Philip H. Proff, Augusta, Mont.; Leo G. Murphy, executor of said Philip H. Proff, deceased, assignor, by direct and mesne assignments, of ninety-five per cent to Harold Phillip Proff, Olympia, and Margaret M. Schmitz, Seattle, Wash., and five per cent to Leo H. Murphy, Choteau, Mont.

Application September 7, 1948, Serial No. 48,043

2 Claims. (Cl. 173—259)

1. In combination with a battery cable clamp including a body having a bight and two apertured arms normally diverging from said bight, and a bolt and nut for said arms, protecting and retaining means for said nut including a hollow member having two confronting substantially parallel end walls, each having a perforation with the perforations substantially aligning and of a diameter slightly greater than the diameter of the shank of said bolt, a side wall joining the end walls and a side wall portion opposite said side wall, the shortest distance between the confronting faces of said end walls being slightly greater than the combined thickness of said nut and



the free end portion of one of said arms in contact with said nut and the shortest distance between the inner faces of said side wall and side wall portion being very slightly greater than the shortest distance between said opposite faces, one of said end walls being in contact with the inner face of said one of said arms, and said nut section and free end portion being within said hollow member; and an abutment extending outwardly from said shank closely adjacent and overlaying a portion of the inner face of said other of said arms.

2,577,715

ELECTRICAL INSULATING MATERIAL

Alfred Rheiner and Werner Hagenbuch, Basel, Switzerland, assignors to Sandoz, A. G., Basel, Switzerland

No Drawing. Application December 27, 1949, Serial No. 135,299. In Switzerland January 5, 1949

4 Claims. (Cl. 154—2.6)

1. Electrical insulating material consisting essentially of a heat-and-pressure consolidated laminate made up of a plurality of superposed sheets of acetylated paper, of which the original physical structure of the fibers has been retained, impregnated with and bonded together by a cured thermo-setting resin selected from the class consisting of phenol-formaldehyde resin and cresol-formaldehyde resin.

2,577,716

GRINDING MACHINE

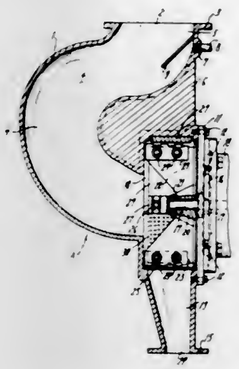
Harry J. Shelton, Jr., Ladue, Mo., assignor to Gruendler Crusher and Pulverizer Co., St. Louis, Mo., a corporation of Missouri

Application September 12, 1949, Serial No. 115,250

5 Claims. (Cl. 241—38)

1. A garbage grinder comprising a housing having a cylindrical grinder cage with a horizontally presented coaxial intake opening, a curved intake member having a vertically upwardly presented intake opening and a horizontally presented discharge opening coincident with the intake opening of the grinder cage, said member, between its openings, being provided with a substantially semi-circular passageway,

the center line of which lies substantially within a vertical plane passing through the center line



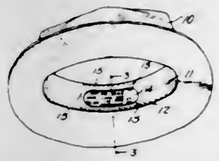
of the grinder cage, and grinding means disposed in said chamber.

2,577,717

HAT IDENTIFICATION HOLDER

Robert A. Stevens, Asheville, N. C.

Application October 6, 1947, Serial No. 778,227
1 Claim. (Cl. 40—9)



As an article of manufacture, a hat having a conventional flexible sweat-band secured to the hat near the edge of the head opening, said sweat-band having an aperture extending longitudinally thereof, an inner transparent flexible sheet secured to the inner face of the band along both sides and at its end edges to seal the band around the edges of the aperture, a second transparent sheet secured to the band and first mentioned transparent sheet adjacent the free edge of the band and at the ends of the second sheet thereby defining a window pocket, said second sheet having an inner side edge spaced inwardly of the adjacent edge of the first sheet, and the band being adapted to be folded back within the hat to a normal position to abut the open side of the window pocket adjacent the hat and thereby hold the card against accidental displacement from the window pocket.

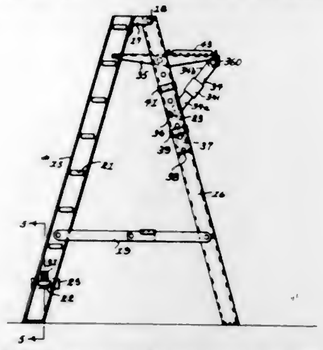
2,577,718

ADJUSTABLE SHELF FOR STEPLADDER

Ross T. Stewart, Van Nuys, Calif.

Application October 27, 1947, Serial No. 782,443
1 Claim. (Cl. 228—17)

A stepladder comprising front and rear legs, a shelf support, a slide on each rear leg for supporting the shelf support, said slide and said rear leg having alined openings therein and spring projected locking means adapted to enter said openings for fastening the slide of each rear leg in any one of a plurality of vertical positions, adjustable links pivotedly connected to each slide



and to said shelf support to support the rear end of said shelf support and steps for the front legs.

2,577,719

LUBRICATING COMPOSITIONS CONTAINING DICARBOALKOXY-DIHEPTADECYL SELENIDES

William T. Stewart, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 23, 1950, Serial No. 163,793
5 Claims. (Cl. 252—48.6)

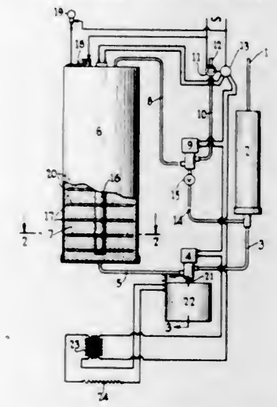
1. A lubricant comprising a major proportion of a hydrocarbon oil and 0.1 to 2% by weight based on finished oil of 1,1'-dicarboalkoxy heptadecyl selenide additive selected from the group consisting of 1,1'-dicarboalkoxy-8,8'-heptadecyl selenide; 1,1'-dicarboalkoxy-9,9'-heptadecyl selenide; and mixtures thereof, wherein the alkoxy groups have not more than 8 carbon atoms.

2,577,720

APPARATUS FOR THE PURIFICATION AND DRYING OF GASES

Milton M. Waller, Plainfield, N. J., assignor to Baker & Co., Inc., Newark, N. J., a corporation of New Jersey

Application July 16, 1947, Serial No. 761,304
6 Claims. (Cl. 23—260)



4. Apparatus for treating gas comprising a reaction chamber having an inlet and an outlet, a drying chamber for containing a desiccant, means for heating said desiccant, said drying chamber having two spaced apart openings therein, a first gas conduit connected to said outlet, a second gas conduit interconnecting said first gas conduit with one of said openings, a first valve casing in said second conduit, said valve casing having an outlet port for allowing flow of gas to the atmosphere, valve means in said casing movable to one position to allow gas to flow from said reaction chamber to said drying chamber and to simultaneously cut off passage of gas through said outlet port, said valve means being movable to another position to cut off communication between said chambers and to simultaneously establish communication between said drying chamber to the atmosphere through said outlet port, a second reaction chamber having an inlet and an outlet and said inlet connected to the outlet port of said first valve casing, a catalytic wire secured in said second reaction chamber between said inlet and outlet, electrical conductors leading to said catalytic wire for electrically heating said catalytic wires, a third gas conduit interconnecting said first gas conduit with the other of said openings, a second valve casing in said third conduit, said second valve casing having an outlet port for connection to a place of use for treated gas, valve means in said second casing movable to one position to allow gas to flow from said reaction chamber to said drying chamber and to simultaneously cut off passage of gas through said outlet port in said second valve casing, said valve means in said second casing being movable to another position to cut off communication between said chambers and to simultaneously establish communication between said drying chamber to said place of use through said outlet port in said second valve casing.

2,577,721

ELECTRICALLY HEATED FOUNTAIN STYLUS

John J. Belak, Youngstown, Ohio, assignor of one-half to Theodore M. Szemborn, Campbell, Ohio

Application December 2, 1949, Serial No. 130,817
3 Claims. (Cl. 219—21)



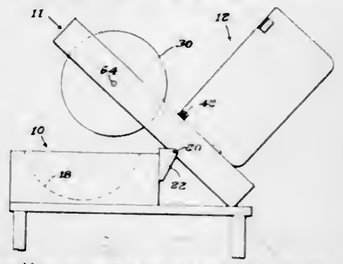
1. In a wax applying stylus of the fountain type, a tubular casing having an upper end wall, an elongated electric resistance heating assembly having a metallic outer casing disposed centrally and longitudinally in said tubular casing and rigidly carried by said end wall, a tapering head member secured to and closing off the lower end of said tubular casing and formed of heat insulating material, said head member having a centrally and longitudinally disposed bore extending therethrough, and a heat conductive pin slidably received in said bore and projecting outwardly of both ends thereof and having a headed inner end positioned adjacent to and adapted to come into contact with the adjacent longitudinal end of said heating assembly, the arrangement being such that upon downward movement of the casing toward a work surface and upon the lower end of said pin engaging such surface said pin will move upwardly in said bore into engagement with said heat assembly and thereby become heated to soften and melt the wax in said bore while upon vertical withdrawal of said casing and pin from said surface the pin will move out of contact with said heating assembly and be cooled to thereby solidify the wax in said bore.

2,577,722

COATING MACHINE

Don S. Greer, Winchester, Mass., assignor to J. W. Greer Company, Cambridge, Mass., a corporation of Massachusetts

Application May 13, 1950, Serial No. 161,821
3 Claims. (Cl. 91—3)



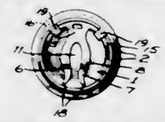
1. In coating apparatus having a conveyor for transporting articles to be coated, a tank disposed beneath said conveyor for holding liquid coating material, a coating material distributor disposed above said conveyor, a frame for said tank, a frame for said conveyor resting on said tank frame, and a frame for said distributor resting on said conveyor frame, said distributor frame having adjacent one end thereof a pivotal connection with said conveyor frame, said pivotal connection having a horizontal axis so that the conveyor frame may be pivoted about a horizontal axis from its position resting on said conveyor frame to an elevated position exposing said conveyor, and said conveyor frame having at its lower portion and at a point intermediate its ends a pivotal connection with the upper end portion of said tank frame, said last-mentioned pivotal connection having a horizontal axis so that the tank frame may be pivoted about a horizontal axis from its position resting on said tank frame to an elevated position exposing said tank.

2,577,723

BUTTON COVER

Henry Groh, Glen Spey, N. Y., assignor of one-half to Harry Cron, Port Jervis, N. Y.

Application May 24, 1949, Serial No. 94,989
3 Claims. (Cl. 24—113)



1. A cover member consisting of a recessed cap portion, a bifurcated angular spring member rigidly secured to and extending inwardly from one part of the rim of said cap member within said recessed interior thereof, said spring member extending downwardly into said recessed portion and then upwardly toward the opposite rim of said recessed portion, a gap being formed between said opposite rim and said member normally too narrow to admit a button therethrough, said bifurcated spring member being secured to said rim portion by two turned over lugs attached to said rim portion and engaging an arcuate arm extending on each side of said bifurcated spring member.

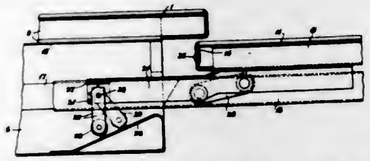
2,577,724

DRAW LEAF EXTENSION ATTACHMENT FOR TABLES

Jack Weller, Lee, London, England, assignor to Sankey-Sheldon Limited, Bilston, England, a company of Great Britain

Application February 21, 1950, Serial No. 145,323
In Great Britain February 25, 1949
5 Claims. (Cl. 311—55)

5. A table-top, a slide movable beneath the same, a draw-leaf, parallel-motion links connecting the draw-leaf to the slide so that the draw-leaf may be moved with the slide to a position beneath the top or drawn out from beneath the same, a ramp, a pivoted part, a stop for preventing angular movement of the pivoted part in one direction, the said pivoted part, held against angular movement by the stop, engaging and moving over the ramp as the draw-leaf is withdrawn, so that the draw-leaf is positively raised as it



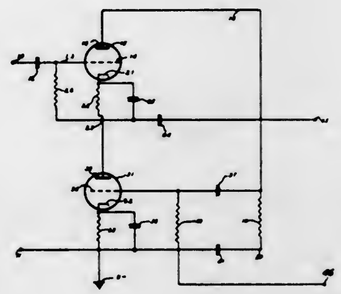
passes from beneath the table top, the pivoted part moving angularly and wiping against the ramp when the draw-leaf is moved back beneath the top.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

546,069. **CATHODE FOLLOWER CIRCUIT.** Calvin M. Hammack, United States Army, Denver, Colo. Filed July 22, 1944. Published Dec. 4, 1951. Class 179—171. 1 sheet of drawings. 10 pages of specification.

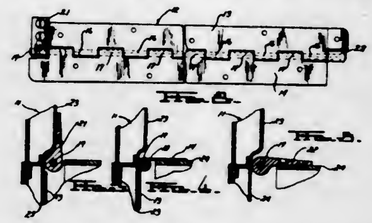
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



This disclosure relates to the improvement in cathode follower circuits wherein a variable resistance is provided in the cathode circuit of a vacuum tube as a load resistance in place of the commonly used constant resistance so that the circuit will handle a higher frequency limit.

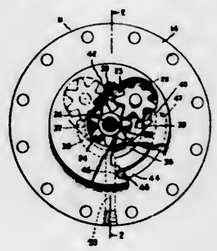
Referring to the drawing, an input circuit connected to the terminal 10 is coupled to the control electrode 14 of the cathode follower tube 15, a condenser 25, which provides a relatively low impedance path for the lowest frequency, is shunted across the cathode bias resistor of tube 15. A vacuum tube 31 is connected between the other end of the bias resistor and ground and operates as the variable load resistance in the cathode circuit of tube 15. The plate potential variations of the plate 16 of tube 15 is coupled through the blocking condenser 37 to the grid of tube 31. The operation of this circuit for a large signal voltage and with a capacitive load is as follows: The voltage variations at anode 16 is kept low and a large positive signal at the control electrode 14 would tend to produce a heavy space current. However the potential of the cathode 21 would tend to rise and this rise would raise the voltage of the anode 30 with respect to ground and effectively tend to increase the space current through the tube 31. At the same time, however, the small drop in potential at the anode 16 would be impressed as a negative pulse on the control electrode 38 and thereby tend to decrease the space current of the tube 31. Thus most of the potential variation is localized at the junction 23 and a maximum potential is impressed on the output condenser 44 thus increasing the effectiveness of a cathode follower circuit.

790,892. **HINGE CONSTRUCTION.** Charles William Bugbee, Royal Oak, Stephen Elliott Crick, Dearborn, John Raymond Gustafson, and Thomas W. Stephenson, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. Filed Dec. 10, 1947. Published Dec. 4, 1951. Class 16—180. 1 sheet of drawings. 7 pages of specification.



This disclosure relates to a combined torsion bar and pintle for a hinge assembly particularly suited for hinging and counterbalancing a closure member of an automobile body such as the tailgate of a station wagon. The pintle is formed of square bar stock of universal cross section throughout its entire length. The ends of the square bar fit into square sockets provided in anchor members secured to the closure member and to the body, and the intermediate portion of the square bar passes through the eyes of the hinge leaves to form the pintle therefor. Only the corners of the square bar frictionally engage the inner cylindrical surfaces of the eyes of the hinge leaves to reduce friction and noise. The torsion bar is preloaded to provide a proper counterbalance for the weight of the closure.

68,614. **AUTOMATICALLY REVERSIBLE GEAR PUMP.** Donald W. Lynch and Dorman H. Kirke, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York. Filed Dec. 31, 1948. Published Dec. 4, 1951. Class 103—117. 1 sheet of drawings. 13 pages of specification.



The application discloses an arrangement for securing unidirectional flow of oil from a reversible gear type oil pump. The gears 24 and 25 are positioned within a compartment 23 within a ro-

tatable housing. A port 42 extends through the housing into the compartment on one side of the pair of gears and a second port 43 extends into the compartment on the other side of the pair of gears. Each of these ports acts as an inlet port or a discharge port, depending on the direction of rotation of the pump. The housing is spring-pressed against the stationary wall 14. A discharge passage 39 and two inlet passages 35 and 36 extend through the wall 14. A pin 45 mounted on the rotatable housing engages the ends 46 and 47 of a slot 44 in the stationary wall 14 to limit the movement of the rotatable housing in each direction of rotation of the gear pump. In one direction of rotation the pin 45 engages the end 46 to position the port 42 in registry with the discharge passage 39 and the port 43 in registry with the inlet passage 36. In the opposite direction of rotation the pin 45 engages the end 47 to position the port 42 in registry with the inlet passage 35 and the port 43 in registry with the discharge passage 39.

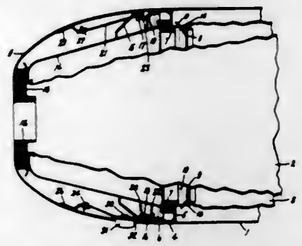
71,033. **STABILIZATION.** George E. P. Smith, Jr., and Harry E. Albert, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Filed Jan. 14, 1949. Published Dec. 4, 1951. Class 260—45.75. No drawing. 17 pages of specification.

This application pertains to the stabilization of both cured and uncured synthetic rubbery polymers against the deleterious action of heat and light. The stabilizers are the stannous salts of dialkylphenol sulfides, each of which preferably carries at least one tertiary alkyl substituent and includes, for example, the stannous salts of 3-methyl-4-tert-amylphenol sulfide, 3-methyl-4-tert-octylphenol sulfide, 3-methyl-4-heptylphenol sulfide, 3-methyl-4-dodecylphenol sulfide, 3-methyl-4-octadecylphenol sulfide, 3-isopropyl-4-tert-butylphenol sulfide, 4-methyl-6-tert-butylphenol sulfide, 4-methyl-6-tert-amylphenol sulfide, 4,6-di-tert-butylphenol sulfide, and 4-methyl-6-isopropylphenol sulfide. Although the dialkyl phenol sulfide preferably contains at least one alkyl group which contains at least three carbon atoms, and especially one tertiary alkyl substituent, this is not necessary and the use of any dialkylphenol sulfide is included. Furthermore, the phenol sulfides which contain only one sulfur atom between each two phenol residues are preferred to those which contain two or more sulfur atoms in this relation. Polysulfide sulfur gives a colored tin salt, and in the production of compounds heavily loaded with light colored pigments, this is objectionable.

The rubbery polymers stabilized include the copolymers of butadiene and styrene known as GR–S and also the various rubbery butadiene-acrylonitrile copolymers. However, the application relates broadly to the stabilization of any rubber-like copolymer of a conjugated diene monomer, for example, butadiene, isoprene, 2-cyanobutadiene, chlorobutadiene, cyclopentadiene, piperylene, dimethylbutadiene, 2-methyl-1, 3-pentadiene, etc., with a vinyl monomer which may be (1) a vinyl aromatic compound such as styrene, alpha-methyl styrene, nuclear-substituted styrenes, monochlorostyrene, dichlorostyrene, vinylnaphthalene, vinylbiphenyl, vinylcarbazole, 2-vinyl-5-ethylpyridine, 2-ethyl-5-vinylpyridine etc., or (2) a monomer having the formula $CH_2=C(R)$. CX when R is —H, —CH_3, —C_2H_5, —C_3H_7 or —Cl CX is —CN, —$CONH_2$, —COOR′ or —COR′, and R′ is an alkyl hydrocarbon radical of one to 5 carbon atoms.

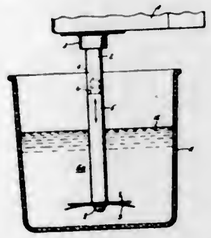
From 0.1 to 10 parts of the stabilizer are used per 100 parts of copolymer. Preferably 2 parts per 100 parts copolymer are added to the latex. In a heat-aging test on cured CR–S tire tread stock, the stabilizer of the invention was superior to phenyl-beta-naphthylamine in retarding loss of tensile strength and elongation. In a color comparison test, cured stocks heavily loaded with white pigment did not discolor after two months natural weathering in Florida. The tin salts also protect the synthetic rubbers against stiffening or softening deterioration.

112,188. **SUCTION CLEANER END CAP.** Allen P. Cawl, Painesville, and Duane D. Arey, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York. Filed Aug. 25, 1949. Published Dec. 4, 1951. Class 220—55. 1 sheet of drawings. 8 pages of specification.



A tank type suction cleaner having a body 1 ending in a flange 6, is provided with an end cap 11 removably secured to the flange by a pair of spring latches 20 and 21 attached inside the end cap, with hooked portions 22 and 23 respectively, resiliently biased and extending in the same direction, with a push-button 31 on the latch 20 extending outside the cap to release this latch from a catch 18 secured to the body flange 6. After release of the latch 20 from the catch 18, the end cap may be removed by swinging it about the other latch 21 to release this latch from a second catch 17, also secured to the flange 6 opposite the catch 18.

189,017. **MIXING TOOL.** Carl R. Sebens, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York. Filed Oct. 7, 1950. Published Dec. 4, 1951. Class 259—124. 1 sheet of drawings. 6 pages of specification.



Discloses a vertically reciprocating mixing tool for blending liquid drinks and the like comprising a shaft 5 having a rigid disk 7 and a flexible disk 9 at its lower end. Reciprocation of shaft 5 causes disk 9 to flex up and down with respect to disk 7 to effect pumping action in a radial direction.

DESIGNS

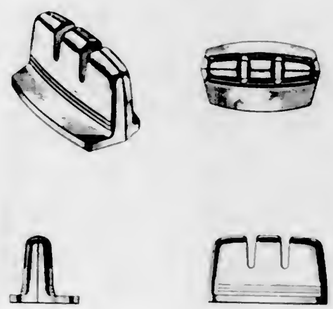
DECEMBER 4, 1951

165,317
TEXTILE FABRIC
Harriet Elizabeth Adams, San Antonio, Tex.
Application August 2, 1949, Serial No. 4,263
Term of patent 14 years
(Cl. D92—1)



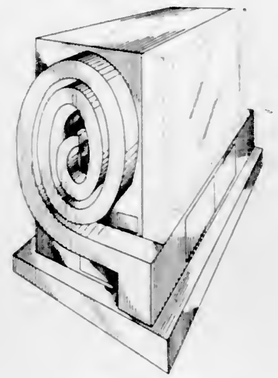
The ornamental design for a textile fabric, as shown.

165,318
HOUSING FOR KNIFE SHARPENERS
Alfred E. Anheuser, West Allis, Wis.
Application November 1, 1950, Serial No. 12,811
Term of patent 14 years
(Cl. D37—1)



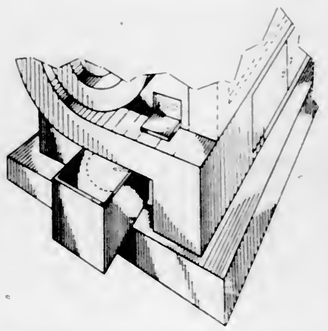
The ornamental design for a housing for knife sharpeners, as shown.

165,319
COMBINED TELEVISION, RADIO, AND PHONOGRAPH CABINET OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application April 20, 1951, Serial No. 14,900
Term of patent 14 years
(Cl. D56—4)



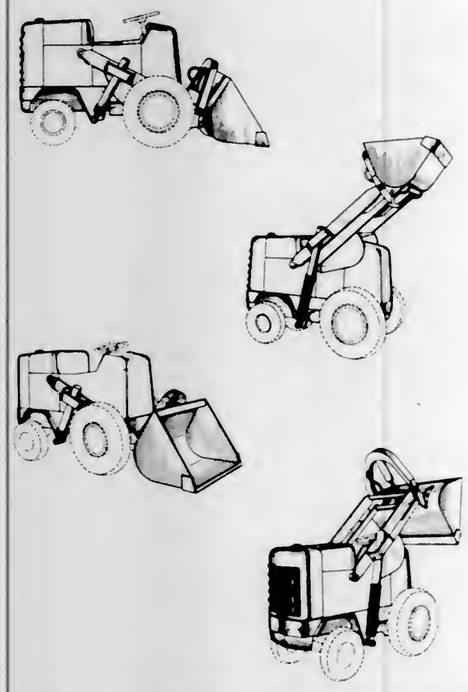






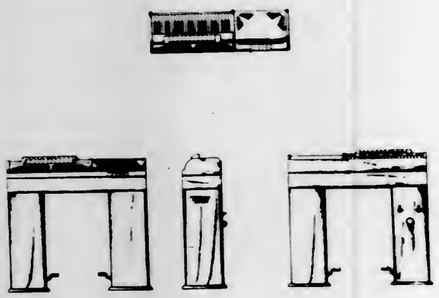
The ornamental design for a combined television, radio, and phonograph cabinet or similar article, as shown and described.

165,320
EARTH MOVING VEHICLE
Ralph L. Beyerstedt, Libertyville, Ill., assignor to The Frank G. Hough Co., Libertyville, Ill., a corporation of Illinois
Application January 4, 1951, Serial No. 13,669
Term of patent 7 years
(Cl. D14—3)



The ornamental design for an earth moving vehicle, as shown and described.

165,321
ACCORDION
Ernest Bonvicini, Denver, Colo.
Application January 31, 1951, Serial No. 14,046
Term of patent 14 years
(Cl. D56—1)



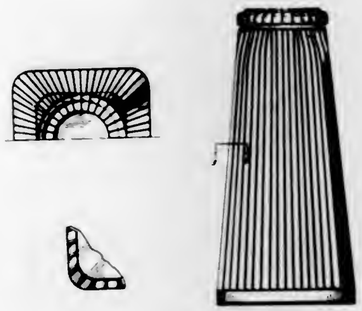
The ornamental design for an accordion, substantially as shown and described.

165,322
STENOGRAPHER'S CHAIR
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application September 7, 1950, Serial No. 12,086
Term of patent 14 years
(Cl. D15—1)



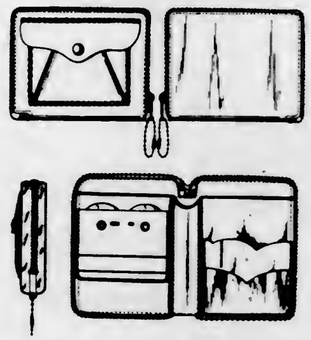
The ornamental design for a stenographer's chair, as shown.

165,323
CARTON
Charles J. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application April 14, 1950, Serial No. 9,226
Term of patent 14 years
(Cl. D58—12)



The ornamental design for a carton, as shown.

165,324
COMBINED WALLET AND CALENDAR
Herbert S. Chase, New York, N. Y.
Application July 13, 1951, Serial No. 15,869
Term of patent 7 years
(Cl. D87—3)



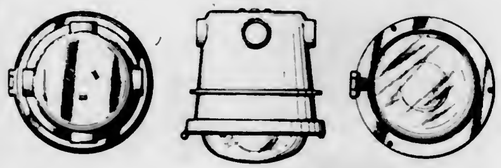
The ornamental design for a combined wallet and calendar, substantially as shown.

165,325
DRINKING GLASS
John S. Cooper, Pensacola, Fla.
Application November 13, 1950, Serial No. 12,960
Term of patent 14 years
(Cl. D36—8)



The ornamental design for a drinking glass, as shown.

165,326
LIGHTING FIXTURE
Kenneth M. Cross, Monrovia, Calif., assignor to Cross Lighting Company, Los Angeles, Calif., a corporation of California
Application November 13, 1950, Serial No. 12,959
Term of patent 7 years
(Cl. D48—23)



The ornamental design for a lighting fixture, as shown.

165,327
TEXTILE FABRIC OR THE LIKE
Annabelle P. Crotty, Arlington, Va.
Application August 25, 1950, Serial No. 11,934
Term of patent 7 years
(Cl. D92—1)



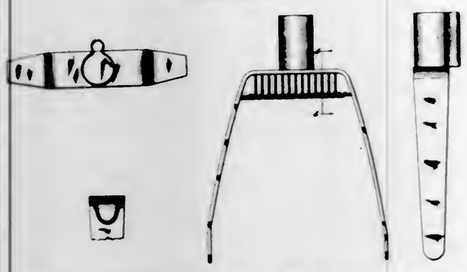
The ornamental design for a textile fabric or the like, substantially as shown and described.

165,328
DISPLAY STAND FOR HANDBAG HOLDERS
Edward M. Davis, Brooklyn, N. Y.
Application July 10, 1950, Serial No. 11,057
Term of patent 3½ years
(Cl. D80—9)



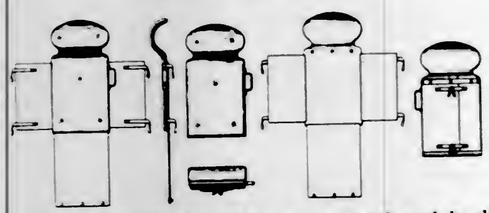
The ornamental design for a display stand for handbag holders, as shown and described.

165,329
HANDLE BAIL FOR A SUCTION CLEANER OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 12, 1951, Serial No. 16,619
Term of patent 14 years
(Cl. D9—2)



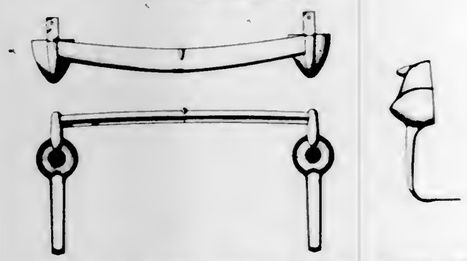
The ornamental design for a handle bail for a suction cleaner or similar article, substantially as shown.

165,330
HEAD AND BACK REST FOR CHAIRS AND BEACHES, WITH FLAPS
Charles Fleisig, New York, N. Y.
Application July 12, 1951, Serial No. 15,845
Term of patent 14 years
(Cl. D15—8)



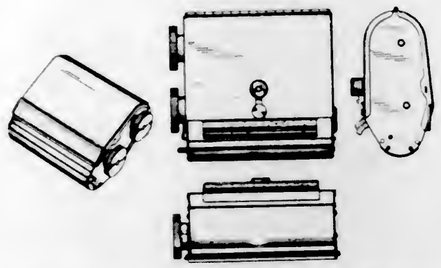
The ornamental design for a head and back rest for chairs and beaches, with flaps, as shown.

165,331
AUTOMOBILE BUMPER ATTACHMENT OR SIMILAR ARTICLE
Walter B. Ford, II, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 15, 1951, Serial No. 14,511
Term of patent 14 years
(Cl. D14—6)



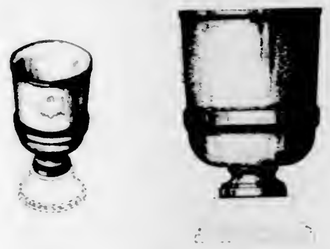
The ornamental design for an automobile bumper attachment or similar article, substantially as shown.

165,332
PORTABLE DUPLICATOR
Arthur J. Heyer, Oak Park, and Francis K. Moore, Chicago, Ill., assignor to The Heyer Corporation, Chicago, Ill., a corporation of Illinois
Application December 16, 1950, Serial No. 13,468
Term of patent 14 years
(Cl. D64—11)



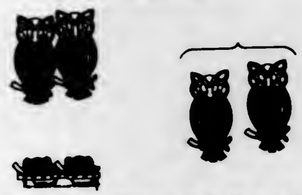
The ornamental design for a portable duplicator, substantially as shown.

165,333
TROPHY CUP OR SIMILAR ARTICLE
Thomas H. Jones, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army
Application March 24, 1950, Serial No. 8,736
Term of patent 14 years
(Cl. D29—28)



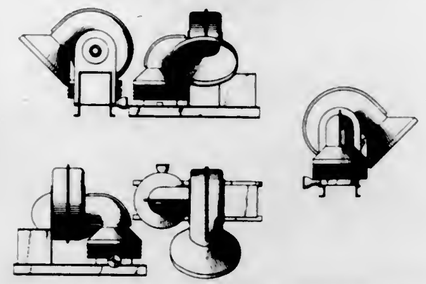
The ornamental design for a trophy cup or similar article, substantially as shown and described.

165,334
SEPARABLE BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 27, 1951, Serial No. 16,756
Term of patent 7 years
(Cl. D45—19)



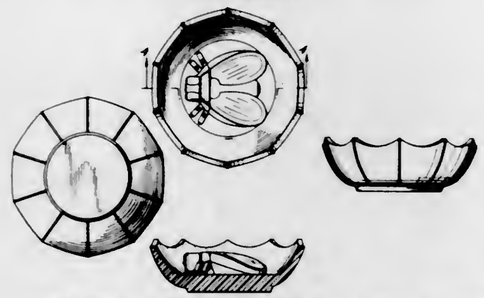
The ornamental design for a separable brooch or the like, substantially as shown.

165,335
CIRCULATING HEATER
Paul D. Kilbury, Hawthorne, Calif.
Application March 27, 1950, Serial No. 8,807
Term of patent 14 years
(Cl. D81—19)



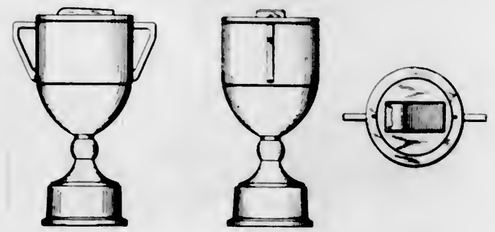
The ornamental design for a circulating heater, as shown.

165,336
ASH TRAY
Thomas Harold Kinkade, Williamsport, Pa.
Application May 25, 1951, Serial No. 15,311
Term of patent 3½ years
(Cl. D85—2)



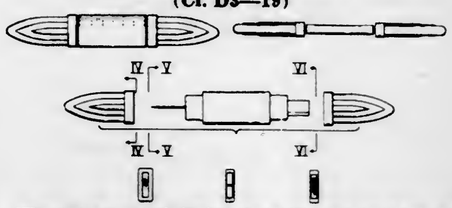
The ornamental design for an ash tray, substantially as shown.

165,337
TABLE LIGHTER OR SIMILAR ARTICLE
Frank N. Mariani, New York, N. Y.
Application August 31, 1950, Serial No. 11,999
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a table lighter or similar article, substantially as shown.

165,338
THREAD PICKING AND SEAM RIPPING IMPLEMENT
Clara E. McNutt, Toledo, Ohio
Application July 26, 1950, Serial No. 11,402
Term of patent 14 years
(Cl. D3—19)



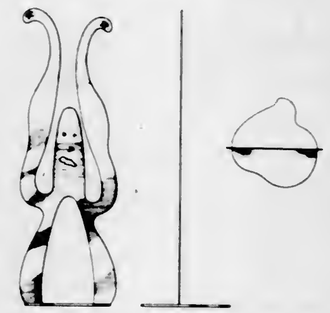
The ornamental design for a thread picking and seam ripping implement, substantially as shown.

165,339
STOCKING
Julius Miran, Bronx, N. Y.
Application August 3, 1950, Serial No. 11,579
Term of patent 14 years
(Cl. D47—7)



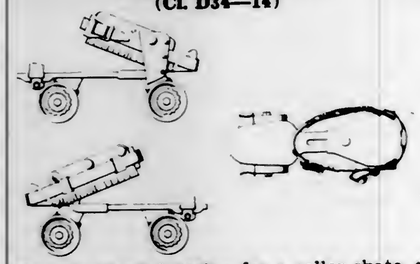
The ornamental design for a stocking, substantially as shown and described.

165,340
TOY FIGURE
George W. Owen, Columbia, S. C.
Application December 4, 1950, Serial No. 13,259
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy figure, substantially as shown.

165,341
ROLLER SKATE
Charles H. Parton, Ossining, N. Y., assignor to D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application September 23, 1950, Serial No. 12,306
Term of patent 14 years
(Cl. D34—14)



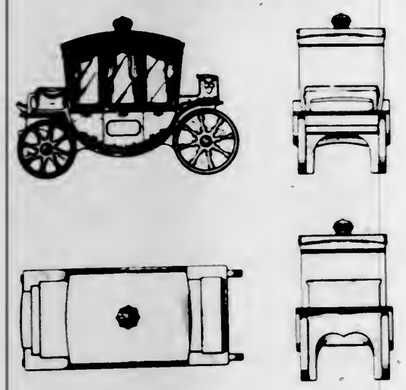
The ornamental design for a roller skate, substantially as shown.

165,342
EARRING OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1951, Serial No. 16,244
Term of patent 7 years
(Cl. D45—9)



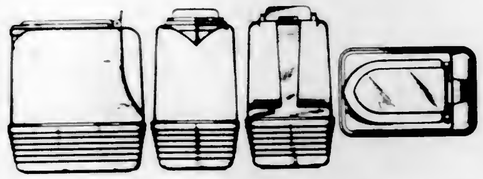
The ornamental design for an earring or the like, substantially as shown.

165,343
LAMP
Thomas Raichel, Chicago, Ill., assignor to Deena Products Co., Chicago, Ill., a corporation of Illinois
Application June 15, 1951, Serial No. 15,545
Term of patent 7 years
(Cl. D48—20)



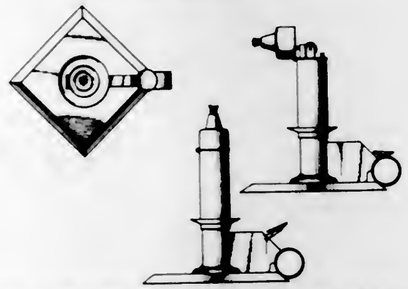
The ornamental design for a lamp, substantially as shown.

165,344
PITCHER OR SIMILAR ARTICLE
Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products, Inc., Columbus, Ohio, a corporation of Ohio
Application August 23, 1950, Serial No. 11,884
Term of patent 14 years
(Cl. D44—21)



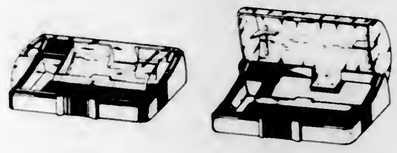
The ornamental design for a pitcher or similar article, substantially as shown.

165,345
TABLE LIGHTER
Karl Schieder, Nurnberg-W, Germany, and Alfred Farber, New York, N. Y.
Application August 4, 1951, Serial No. 16,146
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a table lighter, as shown.

165,346
SAFETY RAZOR SET CASE
Peter Schladermundt, Bronxville, and William H. Dennerlein, Whitestone, N. Y., assignors to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application April 5, 1951, Serial No. 14,723
Term of patent 14 years
(Cl. D58—12.6)



The ornamental design for a safety razor set case, substantially as shown.

165,347
LADY'S STOCKING
Richard E. Schletter, Cheltenham Township, Montgomery County, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application July 16, 1951, Serial No. 15,885
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown.

165,348
LADY'S STOCKING
Richard E. Schletter, Cheltenham Township, Montgomery County, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application July 16, 1951, Serial No. 15,886
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown.

165,349
SPECTACLE FRONT
Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 27, 1951, Serial No. 16,045
Term of patent 14 years
(Cl. D57—1)



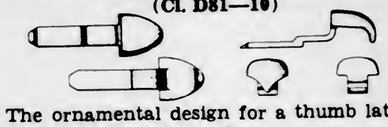
The ornamental design for a spectacle front, substantially as shown and described.

165,350
WATCH AND JEWEL CHEST
Milton Weill, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J., a corporation of New Jersey
Application May 3, 1951, Serial No. 15,045
Term of patent 7 years
(Cl. D86—9)



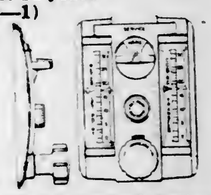
The ornamental design for a watch and jewel chest, as shown.

165,351
THUMB LATCH KEY FOR A GAS SAFETY VALVE
Willis E. Williams, Shelbyville, Ind., assignor to Chambers Corporation, a corporation of Indiana
Application December 23, 1949, Serial No. 6,801
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a thumb latch key for a gas safety valve, as shown.

165,352
CONTROL INSTRUMENT
Kenneth A. Wood, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 17, 1950, Serial No. 12,606
Term of patent 14 years
(Cl. D52—1)



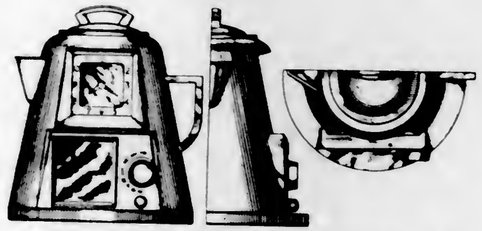
The ornamental design for a control instrument, substantially as shown and described.

165,353
CONTROL INSTRUMENT
Kenneth A. Wood, South Euclid, and Michael Panich, Willoughby, Ohio, assignors to Bailey Meter Company, a corporation of Delaware
Application October 17, 1950, Serial No. 12,607
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a control instrument, substantially as shown and described.

165,354
COMBINATION RADIO AND CLOCK
Armand S. Zucker, Chicago, Ill., assignor to Mitchell Manufacturing Company, Chicago, Ill.
Application April 3, 1951, Serial No. 14,697
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a combination radio and clock, as shown and described.

December 11, 1951 Volume 653 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Absalon Brands, Inc., New York, N. Y. Cheeses and fruit preserves. Serial No. 604,287, Dec. 11. Class 46.

Alongi, John R., Du Quoin, Ill. Shirts. Serial No. 598,288, Dec. 11. Class 39.

American Bleached Goods Company, Inc., New York, N. Y. Men's outer shirts. Serial No. 589,695, Dec. 11. Class 39.

American Truck & Body Company, Inc., Martinsville, Va. Special-bodied automotive trucks and special bodies therefor. Serial No. 594,089, Dec. 11. Class 19.

Armour and Company, Chicago, Ill. Butter, fresh eggs and dressed poultry. Serial 533,258, Dec. 11. Class 46.

Armour and Company, doing business under the trade style of Jacob E. Decker & Sons, Chicago, Ill. Meat and meat products. Serial No. 607,211, Dec. 11. Class 46.

Associated Laboratories: *See*—
Chumlea, Leon W.

Aug. Stenman Aktiebolag, Eskilstuna, Sweden. Door handles, cabinet catches and fittings, hinges and butts, etc. Serial No. 611,750, Dec. 11. Class 13.

Baldwin-Lima-Hamilton Corporation: *See*—
Baldwin Locomotive Works, The

Baldwin Locomotive Works, The, Eddystone and Philadelphia, Pa., now by change of name Baldwin-Lima-Hamilton Corporation. Valves. Serial No. 555,896, Dec. 11. Class 13.

Bambacigno, M., doing business as Modesto Olive Oil Company, Modesto, Calif. Olive oil and fresh grapes. Serial No. 614,128, Dec. 11. Class 46.

Bankers Box Company, Chicago, Ill. Cardboard and corrugated-board storage filing boxes. Serial No. 553,063, Dec. 11. Class 32.

Bayou Candy Co., Inc., New Orleans, La. Candy. Serial Nos. 591,066–7, Dec. 11. Class 46.

Bell & Gossett Company, Morton Grove, Ill. Circulating pumps and motorized valves. Serial No. 606,204, Dec. 11. Class 23.

Benioff, David, Brothers, San Francisco, Calif. Women's fur garments. Serial No. 600,252, Dec. 11. Class 39.

Bidex Foundations, Inc., New York, N. Y. Girdles, panties and foundation garments. Serial No. 548,475, Dec. 11. Class 39.

Black Panther Tool Company, Philadelphia, Pa. Electric machines. Serial No. 615,680, Dec. 11. Class 21.

Bowman Products Co., The, Cleveland, Ohio. Structural and replacement parts for automotive and aviation vehicles. Serial No. 564,075, Dec. 11. Class 23.

Brach, E. J., & Sons, Chicago, Ill. Hard candies, toffies and caramels. Serial No. 596,555, Dec. 11. Class 46.

Brand of Texas, Inc., Laredo, Tex. Men's suits and jackets. Serial No. 611,681, Dec. 11. Class 39.

Brawley, T. R., Felt Co. Inc., Brooklyn, N. Y. Cushioned glides. Serial No. 581,401, Dec. 11. Class 13.

Brooklyn Mills, Inc., New York, N. Y. Hair-retaining devices. Serial No. 556,173, Dec. 11. Class 40.

Brooks Brothers, New York, N. Y. Collars. Serial No. 606,205, Dec. 11. Class 39.

Brookville Locomotive Works, Brookville, Pa. Gasoline and diesel locomotives. Serial No. 608,699, Dec. 11. Class 23.

Brown, John C., Belleville, N. J. Household hand tools. Serial No. 590,486, Dec. 11. Class 23.

Builders Iron Foundry, Providence, R. I. Rotary type integrating flow meters. Serial No. 609,476, Dec. 11. Class 26.

Burnham, Robert J., Inc., New York, N. Y. Fountain pens. Serial No. 606,410, Dec. 11. Class 37.

Call Bond & Mortgage Company, Sioux City, Iowa. Ball point tooth comb. Serial No. 606,969, Dec. 11. Class 40.

Calvin, Curtis: *See*—
Limbach, Curtis A.

Cameron Iron Works, Inc., Houston, Tex. Valves. Serial No. 612,120, Dec. 11. Class 13.

Canter, George G., doing business as Security Seal Company, New York, N. Y. Bag seals. Serial No. 617,435, Dec. 11. Class 25.

Capitol Records, Inc., Hollywood, Calif. Toy rubber balloons; changeable block game; toy molding sets; stuffed dolls. Serial No. 616,310, Dec. 11. Class 22.

Carmelle, Inc., Burbank, Calif. Writing paper, note paper, correspondence and mailing envelopes. Serial No. 607,981, Dec. 11. Class 37.

Champion Dry Coaster Co.: *See*—
Champion, George D.

Champion, George D., doing business as Champion Dry Coaster Co., Cincinnati, Ohio. Coasters in the nature of blotter tablets. Serial No. 609,026, Dec. 11. Class 37.

Chumlea, Leon W., doing business as Chumlea's Laboratories and as Associated Laboratories, Lebanon, Ind. Distilled milk. Serial No. 594,102, Dec. 11. Class 46.

Chumlea's Laboratories: *See*—
Chumlea, Leon W.

Consolidated Brass Company, Detroit, Mich. Safety valves. Serial No. 609,536, Dec. 11. Class 13.

Corporacion Argentina de Productores de Carnes, New York, N. Y. Canned corned beef, canned corned beef hash, canned roast beef, etc. Serial No. 609,676, Dec. 11. Class 46.

Crawford Gum Company, Inc., Long Island City, N. Y. Chewing gum. Serial No. 608,149, Dec. 11. Class 46.

Cripps Mens Wear, Inc., New York, N. Y. Men's and boys' negligee shirts, neckties, sport coats, etc. Serial No. 609,398, Dec. 11. Class 39.

Crown Can Company, Philadelphia, Pa. Cans. Serial No. 610,955, Dec. 11. Class 2.

Dana Perfumes, Inc., Chicago, Ill. Lipstick. Serial No. 612,952, Dec. 11. Class 51.

Dana Perfumes, Inc., Chicago, Ill. Lipstick. Serial No. 612,959, Dec. 11. Class 51.

Dana Perfumes, Inc., Chicago, Ill. Lipstick. Serial Nos. 612,961–2, Dec. 11. Class 51.

Danca Products Corporation, New York, N. Y. Wide-angle lens for installation in a door for use as a door peep. Serial No. 593,585, Dec. 11. Class 26.

Daniels, Jack, Brooklyn, N. Y. Wearing apparel. Serial No. 565,238, Dec. 11. Class 39.

Davison's Northwest Shade & Linoleum Service Inc., Seattle, Wash. Window shades. Serial No. 563,910, Dec. 11. Class 32.

Dayton Rubber Company, The, Dayton, Ohio. Sponge rubber cushions. Serial No. 561,810, Dec. 11. Class 32.

Decker, Jacob E., & Sons: *See*—
Armour and Company.

Delta-Star Electric Company, Chicago, Ill. Clamping structures and elements. Serial No. 566,327, Dec. 11. Class 13.

Di Giorgio Fruit Corporation, San Francisco, Calif. Wines. Serial No. 589,078, Dec. 11. Class 47.

Dimco-Gray Company: *See*—
Gray, Floyd E.

Dot Recording Co.: *See*—
Dot Records, Incorporated.

Dot Records, Incorporated, doing business as Dot Recording Co., Gallatin, Tenn. Disc grooved phonograph records. Serial No. 598,578, Dec. 11. Class 36.

Doughboy Industries, Inc., New Richmond, Wis. Inflatable toys. Serial No. 617,492, Dec. 11. Class 22.

Downingtown Manufacturing Company, Downingtown, Pa. Vats used in conjunction with the cylinder molds of paper board machines. Serial No. 568,780, Dec. 11. Class 23.

Draper Brothers Inc., Frederica, Del. Canned vegetables. Serial No. 610,203, Dec. 11. Class 46.

Dreier, Thomas, St. Petersburg, Fla. Monthly magazine. Serial No. 612,007, Dec. 11. Class 38.

Dunham, Carrigan & Hayden Co., San Francisco, Calif. Extension hack saw frames, lathing hatchets, claw hatchets, etc. Serial No. 525,071, Dec. 11. Class 23.

Eastern States Farmers' Exchange, West Springfield, Mass. Spiral nails. Serial No. 569,362, Dec. 11. Class 13.

Eaton Manufacturing Company, Cleveland, Ohio. Electromagnetic fan drives. Serial No. 615,693, Dec. 11. Class 21.

Elysee Lingerie Corporation, Bronx, New York, N. Y. Women's nightgowns, pajamas, lounging gowns, etc. Serial No. 552,961, Dec. 11. Class 39.

Emkay Novelty Corp., Chicago, Ill. Tumbling toy. Serial No. 602,606, Dec. 11. Class 22.

Everett Piano Company, South Haven, Mich. Piano tone-producing units. Serial No. 586,966, Dec. 11. Class 36.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber erasers. Serial No. 609,404, Dec. 11. Class 37.

Fables Publishing Co., Inc., New York, N. Y. Magazine and a cartoon strip. Serial No. 613,324, Dec. 11. Class 38.

Fair Lawn Finishing Company, Fair Lawn, N. J. Application of permanent type water repellent finishes to nylon, etc. Serial No. 561,815, Dec. 11. Class 106.

Flat Metal Manufacturing Company, Franklin Park, Ill. Shower cabinets. Serial No. 612,249, Dec. 11. Class 13.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. Serial No. 594,208, Dec. 11. Class 18.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Morris, Owen, & Co.: *See*—
Morris, Owen.

Morrow, Eva M., Elgin, Ill. Food product. Serial No. 592,091, Dec. 11. Class 46.

Murphy-Miller, Inc., Owensboro, Ky. Chairs. Serial No. 607,035, Dec. 11. Class 32.

National Dairy Products Corporation, New York, N. Y. Whole milk, skim milk, buttermilk, etc. Serial No. 601,995, Dec. 11. Class 46.

National Distillers Products Corporation, New York, N. Y. Dried solubles. Serial No. 603,807, Dec. 11. Class 46.

National-Rose Company, The, Memphis, Tenn. Mattresses. Serial No. 559,531, Dec. 11. Class 32.

National Spiritual Assembly of the Baha'is of the United States, Wilmette, Ill. Publications. Serial No. 610,452, Dec. 11. Class 38.

Nelson, L. R., Mfg. Co., Inc., Peoria, Ill. Hoze nozzle. Serial No. 606,882–4, Dec. 11. Class 13.

Nelson, L. R., Mfg. Co., Inc., Peoria, Ill. Lawn sprinkler. Serial No. 606,885–9, Dec. 11. Class 13.

Newnan Hosiery Mills, Incorporated, Newnan, Ga., assignor to Spalding Knitting Mills, Hosiery. Serial No. 606,433, Dec. 11. Class 39.

New York Herald Tribune Inc., New York, N. Y. Magazine. Serial No. 609,980, Dec. 11. Class 38.

Nickel Tackle Company, Jacksonville, Fla. Artificial fishing lures. Serial No. 617,309, Dec. 11. Class 22.

Norris Inc., Atlanta, Ga. Candy. Serial No. 606,233, Dec. 11. Class 46.

Northwood Fur Farms, Cary, Ill. Mink garments. Serial No. 599,966, Dec. 11. Class 39.

Nuernberg, Fritz W., doing business as The Hilo Company, Norwalk, Conn. Insecticides and remedies. Serial No. 561,636 Dec. 11. Class 18.

Parfums Evyan Inc., New York, N. Y. Negligees, nightgowns, evening gowns, etc. Serial No. 599,968, Dec. 11. Class 39.

Parkview Markets, Inc., Cincinnati, Ohio. Canned vegetables, canned fruits, canned fish, canned juices. Serial No. 596,376, Dec. 11. Class 46.

Parts Analysis and Services Company: *See*—
Killmer, Lawrence E.

Peal Manufacturing Co., The, Cincinnati, Ohio. Kitchen utensils. Serial No. 543,736, Dec. 11. Class 13.

Peters & Russell, Inc., Springfield, Ohio. Air deflectors. Serial No. 566,423, Dec. 11. Class 19.

Phillips Publishers, Inc., Newton, Mass. Paper toys. Serial No. 591,798, Dec. 11. Class 22.

Pledgewear, Incorporated, St. Louis, Mo. Outer clothing for girls, subteens and teens. Serial No. 600,913, Dec. 11. Class 39.

Pool Manufacturing Company, Sherman, Tex. Work pants, work shirts, and one-piece work suits. Serial No. 594,332, Dec. 11. Class 39.

Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Sectional, portable, gravity conveyors. Serial No. 508,920, Dec. 11. Class 23.

Rex-O-Kut Company, Long Island City, N. Y. Electrically operated phonograph record players. Serial No. 615,902, Dec. 11. Class 21.

Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostats, thermostatic valves, thermostatic switches, etc. Serial No. 579,154, Dec. 11. Class 26.

Rockford Screw Products Co., Rockford, Ill. Machine and wood screws and machine screw nuts. Serial No. 597,785, Dec. 11. Class 13.

Rogers, Custer, doing business as Rogers Food Products, Lawrence, Mass. Canned and bottled comestibles. Serial No. 566,049, Dec. 11. Class 46.

Rogers Food Products: *See*—
Rogers, Custer.

Rogers Imports Inc., New York, N. Y. Smoking pipes and cigar and cigarette holders. Serial No. 612,137, Dec. 11. Class 8.

Rose, Sonya, Beverly Hills, Calif. Facial creams, lip and cheek rouges, face powders, etc. Serial No. 593,444, Dec. 11. Class 51.

Russell, F. L., Corporation, Saugerties, N. Y. Tablets, blank books, memorandum books, etc. Serial No. 595,418, Dec. 11. Class 37.

SF Laboratories, The: *See*—
Floreskul, Stanley.

Sahlein, J. M., Music Company: *See*—
Sahlein, Jules M.

Sahlein, Jules M., doing business as J. M. Sahlein Music Company, San Francisco, Calif. Accordions; stringed and fretted instruments, etc. Serial No. 573,004, Dec. 11. Class 36.

Sal-San Corp., Decatur, Ill. Plastic liners. Serial No. 604,266, Dec. 11. Class 2.

Sanford, D. E., Company: *See*—
Sanford, David E.

Sanford, David E., doing business under the fictitious name and style of D. E. Sanford Company, Los Angeles, Calif. Porcelain enameled cast iron utensils. Serial No. 612,357, Dec. 11. Class 13.

Schenley Distillers, Inc., New York, N. Y. Crude corn oil. Serial No. 612,510, Dec. 11. Class 46.

Schenley Laboratories, Inc., New York, N. Y. Blood plasma substitute. Serial No. 609,201, Dec. 11. Class 18.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's slips. Serial No. 558,940, Dec. 11. Class 39.

Schwanda, B., & Sons, New York, N. Y. Buttons. Serial No. 577,910, Dec. 11. Class 40.

Sebastopol Cooperative Cannery, Sebastopol, Calif. Canned apple sauce. Serial No. 611,545, Dec. 11. Class 46.

Security Seal Company: *See*—
Canter, George G.

Selected Risks Indemnity Company, Branchville, N. J. Underwriting of insurance. Serial No. 569,482, Dec. 11. Class 102.

Shasta Water Company, The, San Francisco, Calif. Non-alcoholic maltless soft drinks. Serial No. 571,938, Dec. 11. Class 45.

Shedd, H. Plymouth, Wayzata, Minn. Combination automobile calendar and notebook. Serial No. 608,436, Dec. 11. Class 37.

Shellmar Products Corporation, Chicago, Ill. Printed merchandise wrappers. Serial No. 607,238, Dec. 11. Class 37.

Simplex Binder Co., New York, N. Y. Memorandum books, address books, bridge pads, etc. Serial No. 575,495, Dec. 11. Class 37.

Skyline Co., Chicago, Ill. Men's sport shirts. Serial No. 560,297, Dec. 11. Class 39.

Sloan Valve Company, Chicago, Ill. Water closet combinations. Serial No. 610,381, Dec. 11. Class 13.

Smock, W. B., Mfg.: *See*—
Smock, William B.

Smock, William B., doing business as W. B. Smock Mfg., Ridgecrest, Calif. Barbecue sauce. Serial No. 588,902, Dec. 11. Class 46.

Snelbaker Manufacturing Company, Mechanicsburg, Pa. Men's and boys' outer shirts, jackets, mackinaws and pants. Serial No. 612,038, Dec. 11. Class 39.

Sorg Paper Company, The, Middletown, Ohio. Writing paper, printing paper, bristol and paper. Serial No. 525,964, Dec. 11. Class 37.

South Carolina Mills, Spartanburg, S. C. Underwear and outerwear for men, women, and children. Serial No. 604,865, Dec. 11. Class 39.

Southern California Plastic Company, Glendale, Calif. Plastic dishes, plastic table dishes, plastic boxes, etc. Serial No. 565,018, Dec. 11. Class 2.

Spalding Knitting Mills, assignee: *See*—
Newnan Hosiery Mills, Incorporated.

Spiegel, Inc., Chicago, Ill. Outboard motors. Serial No. 614,222, Dec. 11. Class 23.

Sprosty, Ray C., Bag Company, Inc., Wooster, Ohio. Periodical. Serial No. 587,763, Dec. 11. Class 38.

Steven Candy Kitchens, Inc., Chicago, Ill. Candies. Serial No. 613,428, Dec. 11. Class 46.

Stocker Manufacturing Company, Netcong, N. J. Paper bags. Serial No. 613,532, Dec. 11. Class 2.

Stoeger Arms Corporation, New York, N. Y. Publication. Serial No. 546,802, Dec. 11. Class 38.

Strawbridge & Clothier, Philadelphia, Pa. Women's shoes. Serial No. 604,866, Dec. 11. Class 39.

Stroock, S., & Co., Inc., New York, N. Y. Women's coats. Serial No. 558,196, Dec. 11. Class 39.

Superior Sleeprite Corporation, Chicago, Ill. Beds and bunk beds, vanity chairs, night tables, etc. Serial No. 557,222, Dec. 11. Class 32.

Superior Valve and Fittings Company, Pittsburgh, Pa. Flanged compressor valve. Serial No. 509,180, Dec. 11. Class 13.

Tabin-Picker & Co., Chicago, Ill. Rayon piece goods. Serial No. 615,951, Dec. 11. Class 42.

Tarrant Manufacturing Company, Saratoga Springs, N. Y. Metal pouring kettles and metal pouring pots, etc. Serial No. 606,062, Dec. 11. Class 13.

Templeton, James, & Company Limited, Glasgow, Scotland. Valve-controlled, nozzle-type, applicator for applying liquids. Serial No. 568,874, Dec. 11. Class 23.

Tenderet Sales Company, Chicago, Ill. Preparation consisting of dehydrated egg albumen and egg yolk. Serial No. 550,860, Dec. 11. Class 46.

Tension Envelope Corporation, Kansas City, Mo. Merchandising envelopes. Serial No. 576,724, Dec. 11. Class 2.

Texia Rice, Inc., Crowley, La. Rice. Serial No. 614,020, Dec. 11. Class 46.

Tip-Top Products Company, Omaha, Nebr. Hair curlers. Serial No. 606,091, Dec. 11. Class 40.

Tomlinson of High Point, High Point, N. C. Articles of furniture. Serial No. 552,816, Dec. 11. Class 32.

Toyad Corporation, Latrobe, Pa. Surgical, industrial, and specialty products fabricated from foam rubber—namely foam rubber pillows. Serial No. 608,799, Dec. 11. Class 32

Trabon Engineering Corporation, Cleveland, Ohio. Lubricating systems. Serial No. 589,927, Dec. 11. Class 23.

United States Rubber Company, New York, N. Y. Insulated wire and cable. Serial No. 615,866, Dec. 11. Class 21.

LIST OF TRADE-MARK APPLICANTS

United States Spring & Bumper Company, Los Angeles, Calif. Automobile springs. Serial No. 589,285, Dec. 11. Class 19.
United States Steel Corporation, New York, N. Y. Cans, drums, pails, etc. Serial No. 588,239, Dec. 11. Class 2.
Valier & Spies Milling Company: *See*—
Flour Mills of America, Inc.
Vidal Alvarez, Manuel, known legally as M. Vidal, Ponce, Puerto Rico. Suits, pants, slacks, etc. Serial No. 612,105, Dec. 11. Class 39.
Vidal, M.: *See*—
Vidal Alvarez, Manuel.
Viking Products, Inc., New York, N. Y. Fresh, frozen and canned fish. Serial No. 612,287, Dec. 11. Class 46.
Visual Research Incorporated, Boston, Mass. Spectacles with optical prisms. Serial No. 614,590, Dec. 11. Class 26.
Wagner, August, Breweries, Inc., Columbus, Ohio. Beer. Serial No. 527,803, Dec. 11. Class 48.
Walker, Hiram, & Sons, Inc., Detroit, Mich., and Peoria, Ill. Vodka. Serial No. 603,424, Dec. 11. Class 49.
Walun Trading Company, San Francisco, Calif. Canned clams and canned abalone. Serial No. 607,833, Dec. 11. Class 46.
Watkins, Phyllis E., doing business under the name and style of Victor E. Watkins Company, Holland, Mich. Motor boats and structural parts thereof. Serial No. 609,349, Dec. 11. Class 19.
Watkins, Victor E., Company: *See*—
Watkins, Phyllis E.
West Bend Aluminum Co., West Bend, Wis. Metal cooking utensils. Serial No. 612,640, Dec. 11. Class 13.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,080, Dec. 11. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. Serial No. 558,332, Dec. 11. Class 37.
Wickbury, Ltd., New York, N. Y. Men's suits, top coats, overcoats, etc. Serial No. 605,188, Dec. 11. Class 39.
Willett, Walter E., Cortland, N. Y. Water repellent and compositions for hardening masonry or other products. Serial No. 608,967, Dec. 11. Class 6.
Wright & McGill Co., Denver, Colo. Bulk fish hooks, snelled fish hooks, fish lures, and artificial flies. Serial No. 616,577, Dec. 11. Class 22.
Zimmerman, Jay V., Company, St. Louis, Mo. Children's toys. Serial No. 603,325, Dec. 11. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Accordio-Tape System: *See*—
McCormick, John G.
Acme Breweries: *See*—
Cereal Products Refining Corp.
Acme School of Die Design Engineering, Inc., South Bend, Ind. Correspondence school lessons. 552,022, Dec. 11; Serial No. 606,961, published Sept. 11, 1951. Class 38.
Acrow (Engineers) Limited, London, England. Scaffolding, clips and putlogs, props and trestles. 551,891, Dec. 11; Serial No. 566,445, published Sept. 11, 1951. Class 50.
Adjustable Blind Company, assignor to Kilray Blind Company, Atlanta, Ga. Adjustable blinds for automobiles. 552,084, Dec. 11; Serial No. 546,743. Class 19.
Airborne Instruments Laboratory, Inc., Mineola, N. Y. Enginering and research services. 552,069, Dec. 11; Serial No. 559,667, published Sept. 11, 1951. Class 100.
Airmaid Hosiery Mills: *See*—
McGaugh, Calvin C.
Airseco, Paris, France. Thermostatically operated valves, switches, and indicators. 551,871, Dec. 11; Serial No. 550,766, published Aug. 21, 1951. Class 26.
Aladdin Industries, Incorporated, Chicago, Ill. Lunch boxes, lunch kits and picnic kits, etc. 551,874, Dec. 11; Serial No. 554,070, published Sept. 18, 1951. Class 2.
Albany Corrugated Container Corporation, Cohoes, N. Y. Collapsible, corrugated cardboard preformed packs. 551,919, Dec. 11; Serial No. 587,228, published Sept. 11, 1951. Class 2.
Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., and elsewhere throughout the United States of America. Tool steel, alloy steel, and alloy tool steel. 551,946, Dec. 11; Serial No. 595,645, published Oct. 31, 1950. Class 14.
Alpha Metals, Inc., Brooklyn, N. Y. Solder. 552,043, Dec. 11; Serial No. 608,139, published Sept. 4, 1951. Class 14.
Altman, B., & Co., New York, N. Y. Chairs, sofas, credenzas, etc. 551,999, Dec. 11; Serial No. 604,893, published Aug. 28, 1951. Class 32.
Altmann, Bernhard, New York, N. Y. Piece goods, knitted fabrics, elastic webbing, etc. 551,961, Dec. 11; Serial No. 599,302, published Sept. 18, 1951. Class 42.
Altone Chemical Company, Inc.: *See*—
Lea's Pharmacy.
Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Fresh killed and frozen poultry and eggs. 552,082, Dec. 11; Serial No. 582,879, published Aug. 28, 1951. Class 46.
American Cast Iron Pipe Company, Birmingham, Ala. Hollow cast metal bodies. 288,068, renewed Oct. 20, 1951. O. G. Dec. 11. Class 13.
American Character Doll Co., New York, N. Y. Dolls. 552,064, Dec. 11; Serial No. 614,737, published Sept. 25, 1951. Class 22.
American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y. Foam rubber pillows. 552,010, Dec. 11; Serial No. 605,980, published Aug. 21, 1951. Class 32.
American Hardware Corporation, The, New Britain, Conn. Locks and latches. 552,089, Dec. 11; Serial No. 561,416. Class 25.
American Metal Specialties Corporation: *See*—
American Metal Specialties Corp.
American Metal Specialties Corp., also known as American Metal Specialties Corporation, Hatboro, Pa. Bathing tub for dolls, dolls' beds, dolls' gliders, etc. 552,099, Dec. 11; Serial No. 591,220. Class 22.
American Pharmaceutical Company, assignee: *See*—
Aspirin Company of America.
American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighter flints. 552,015, Dec. 11; Serial No. 600,449, published Sept. 25, 1951. Class 8.
American Trading Stamp Company, Lincoln, Nebr., and elsewhere. Trading stamps. 552,018, Dec. 11; Serial No. 606,846, published Sept. 11, 1951. Class 38.
Amieux-Maroc, Casablanca, French Morocco. Canned fish. 551,966, Dec. 11; Serial No. 600,873, published Aug. 28, 1951. Class 46.
Anchor Packing Company, The, Philadelphia, Pa. Brake lining. 552,049, Dec. 11; Serial No. 608,587, published Sept. 18, 1951. Class 35.
Anderson, Edward H., & Co. Inc., Chicago, Ill. Potatoes. 551,941, Dec. 11; Serial No. 594,433, published July 3, 1951. Class 46.
Anderson and Johnson, Chicago, Ill. Fish hook. 551,967, Dec. 11; Serial No. 600,940, published Sept. 25, 1951. Class 22.
Annin & Co., New York, N. Y. Manufactured flags. 551,936, Dec. 11; Serial No. 593,521, published Sept. 4, 1951. Class 50.
Arketex Ceramic Corporation: *See*—
Clay Products Company, Inc. of Indiana.
Artko Mfrs.: *See*—
Rubin, Samuel L.
Aspirin Company of America, assignor to American Pharmaceutical Company, New York, N. Y. Medicinal preparation. 551,894, Dec. 11; Serial No. 567,748, published Sept. 18, 1951. Class 18.
Associated Products, Inc., Chicago, Ill. Shaving creme. 552,053, Dec. 11; Serial No. 608,911, published Sept. 4, 1951. Class 51.
Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. 552,001, Dec. 11; Serial No. 605,134, published July 17, 1951. Class 15.
"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Heat actuated thermostats and sprinkler system control thermostats. 552,052, Dec. 11; Serial No. 608,853, published Aug. 21, 1951. Class 26.
Avildsen Tools & Machines, Inc., doing business under the name of Century Drill & Tool Works, Chicago, Ill. Twist drills. 552,109, Dec. 11; Serial No. 604,182. Class 23.
B. W. Photo Utilities, Incorporated, Pasadena, Calif. Moulded plastic compartmented feeding dish. 552,096, Dec. 11; Serial No. 582,996. Class 2.
Bandwagon Manufacturing, Inc., Boston, Mass. Plant stands. 552,044, Dec. 11; Serial No. 608,234, published Sept. 4, 1951. Class 32.
Bank of America National Trust and Savings Association, San Francisco, Calif. Savings account services. 552,080, Dec. 11; Serial No. 602,821, published Sept. 18, 1951. Class 102.
Barker, Marie, Co., St. Louis, Mo. Toiletries. 552,032, Dec. 11; Serial No. 607,413, published Aug. 28, 1951. Class 51.
Barrett, Raymond W., Freeport, N. Y. Sheet metal picket fence. 552,110, Dec. 11; Serial No. 606,068. Class 13.
Barricini, Inc., New York and Long Island City, N. Y. Candy, candied and chocolate covered nuts; candied fruits, candied dates, etc. 551,974, Dec. 11; Serial No. 602,018, published Sept. 4, 1951. Class 46.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 552,029, Dec. 11; Serial No. 607,112, published Sept. 18, 1951. Class 42.
Belgau, Robert C., doing business as Bell Distributing Co., Tawas City, Mich. Platform carriers for use on the tops of automobiles. 552,097, Dec. 11; Serial No. 584,656. Class 19.
Belknap Hardware and Manufacturing Company, Louisville, Ky. Row boats and outboard motor boats and bicycles. 551,992, Dec. 11; Serial No. 603,873, published July 24, 1951. Class 19.
Bell Distributing Co.: *See*—
Belgau, Robert C.

Bell Manufacturing Company, San Francisco, Calif. Chairs. 551,993, Dec. 11; Serial No. 603,979, published Aug. 28, 1951. Class 32.
Bellanca Aircraft Corporation, New Castle, Del. Airplanes and airplane structural parts. 551,947, Dec. 11; Serial No. 595,936, published Aug. 21, 1951. Class 19.
Belnap & Thompson, Inc., Chicago, Ill. Merchandise catalog. 551,913, Dec. 11; Serial No. 582,939, published Sept. 11, 1951. Class 38.
Benton Clay Co., Casper, Wyo. Bentonite. 552,039, Dec. 11; Serial No. 608,054, published Sept. 11, 1951. Class 1.
Berenee Co., Brooklyn, N. Y. Food sauce. 552,002, Dec. 11; Serial No. 605,401, published Sept. 4, 1951. Class 46.
Berkeley Industries, Jersey City, N. J. Furniture. 552,003, Dec. 11; Serial No. 605,575, published Aug. 28, 1951. Class 32.
Berkeley Scientific Corporation, Richmond, Calif. Frequency meters, tachometers, etc. 552,051, Dec. 11; Serial No. 608,778, published Aug. 14, 1951. Class 26.
Bettermade Garment Company, Los Angeles, Calif. Women's, misses' and juniors' ready-to-wear clothing. 552,023, Dec. 11; Serial No. 607,000, published Sept. 25, 1951. Class 39.
Beverly Mattress Co., Inc., Salem, Mass. Mattresses and box springs. 552,019, Dec. 11; Serial No. 606,849, published Aug. 21, 1951. Class 32.
Biele, Irene A., Newark, N. J. Pillows. 552,005, Dec. 11; Serial No. 605,714, published Aug. 21, 1951. Class 32.
Bingham-Herbrand Corporation, The, Toledo and Fremont, Ohio. Tool in the nature of a stethoscope. 551,926, Dec. 11; Serial No. 589,626, published Aug. 14, 1951. Class 26.
Blum, Milton C., Inc., New York, N. Y. Cotton piece goods. 552,060, Dec. 11; Serial No. 610,887, published Sept. 18, 1951. Class 42.
Blum's, San Francisco, Calif. Candy. 552,115, Dec. 11; Serial No. 613,691. Class 46.
Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y. Plastic composition floor covering. 551,937, Dec. 11; Serial No. 593,528, published Sept. 11, 1951. Class 20.
Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y. Felt base, linoleum and composition floor coverings and rugs. 551,969, Dec. 11; Serial No. 601,349, published Sept. 11, 1951. Class 20.
Bondi, Emanuel, doing business under the firm name of Imperial Pharmacal Co., Richmond Hill, N. Y. Fungicide for the treatment of athlete's foot. 551,931, Dec. 11; Serial No. 592,120, published Aug. 7, 1951. Class 18.
Bowers Tool & Die Company, Kalamazoo, Mich. Portable pyrophoric cigar or cigarette lighters and flints therefor. 552,102, Dec. 11; Serial No. 592,468. Class 8.
Boyd, William, Beverly Hills, Calif. Cameras and field glasses. 552,013, Dec. 11; Serial No. 606,127, published Aug. 21, 1951. Class 26.
Brenner, Raymond: *See*—
Brenner, Raymond, Inc.
Brenner, Raymond, Inc., also trading as Raymond Brenner, Youngstown, Ohio. Smokers' articles. 551,932, Dec. 11; Serial No. 592,415, published Sept. 25, 1951. Class 8.
British Ropes, Limited, London, to British Ropes Limited, Doncaster, England. Steel ropes, cables, and strands. 285,969, renewed Aug. 11, 1951. O. G. Dec. 11. Class 7.
Broderick & Bascom Rope Company, St. Louis, Mo. Wire rope. 551,915, Dec. 11; Serial No. 584,316, published Sept. 18, 1951. Class 7.
Broh, Fred G., Inc., New York, N. Y. Shellac, wall paints and varnish. 444,615, Dec. 11; Serial No. 523,364, published Sept. 25, 1951. Class 16.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling bags. 552,062, Dec. 11; Serial No. 613,629, published Sept. 25, 1951. Class 22.
Brütsch & Co., Zurich, Switzerland. Sewing and darning machines and parts thereof. 552,012, Dec. 11; Serial No. 606,071, published July 3, 1951. Class 23.
Burge, Robert S., doing business as S. W. Flower Company, Toledo, Ohio. Lawn seeds. 552,036, Dec. 11; Serial No. 607,843, published Sept. 11, 1951. Class 1.
Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 551,995, Dec. 11; Serial No. 604,563, published Sept. 18, 1951. Class 42.
Bymart, Inc., Dover, Del., and New York, N. Y. Home hair coloring. 551,953, Dec. 11; Serial No. 597,499, published Sept. 4, 1951. Class 51.
California Bottling Assn.: *See*—
Cereal Products Refining Corpn.
California Packing Corporation, San Francisco, Calif. Periodical. 551,897, Dec. 11; Serial No. 572,014, published Aug. 28, 1951. Class 38.
California & Washington Co., San Francisco, Calif. Frozen vegetables, berries. 551,914, Dec. 11; Serial No. 583,242, published Aug. 21, 1951. Class 46.
Canterbury Press: *See*—
Parnell, Wallace R.
Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., now by merger and change of name United States Steel Company. Steel bars. 552,033, Dec. 11; Serial No. 607,420, published Sept. 4, 1951. Class 14.
Catalina, Inc., Los Angeles, Calif. Sweaters. 551,902, Dec. 11; Serial No. 575,326, published Sept. 11, 1951. Class 39.
Century Drill & Tool Works: *See*—
Avildsen Tools & Machines, Inc.
Cereal Products Refining Corpn., doing business as California Bottling Assn., to Acme Breweries, San Francisco, Calif. Nonalcoholic, maltless beverages. 289,965, renewed Dec. 15, 1951. O. G. Dec. 11. Class 45.
Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Women's hosiery. 551,975, Dec. 11; Serial No. 602,139, published Sept. 11, 1951. Class 39.
Chatham Candies, Inc., Brooklyn, N. Y. Granules of unsweetened chocolate. 552,101, Dec. 11; Serial No. 591,833. Class 46.
Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving and photomechanical supplies. 551,903, Dec. 11; Serial No. 575,839, published Oct. 2, 1951. Class 4.
Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving, and photomechanical supplies. 551,933, Dec. 11; Serial No. 592,545, published Oct. 2, 1951. Class 4.
Chicago Mill and Lumber Company: *See*—
Chicago Mill and Lumber Corporation.
Chicago Mill and Lumber Corporation, to Chicago Mill and Lumber Company, Chicago, Ill. Rough and finished lumber. 287,381, renewed Sept. 22, 1951. O. G. Dec. 11. Class 12.
Chopak-Solow Corp., New York, N. Y. Piece goods. 551,960, Dec. 11; Serial No. 599,226, published Sept. 18, 1951. Class 42.
Clark Equipment Company, Buchanan, Mich. Power operated warehouse or industrial trucks. 552,048, Dec. 11; Serial No. 608,409, published Aug. 21, 1951. Class 19.
Clay Products Company, Inc. of Indiana, to Arketex Ceramic Corporation, Brazil, Ind. Glazed and unglazed clay building tile. 283,094, renewed May 19, 1951. O. G. Dec. 11. Class 12.
Clay Products Company, Inc. of Indiana, to Arketex Ceramic Corporation, Brazil, Ind. House organ. 283,336, renewed May 26, 1951. O. G. Dec. 11. Class 38.
Clearwater Finishing Company, Clearwater, S. C., and Old Fort, N. C. Dyeing and finishing textile fabrics in the piece, etc. 552,072, Dec. 11; Serial No. 592,981, published Sept. 18, 1951. Class 106.
Clersanges, Société à Responsabilité Limitée, Colombes, France. Perfume, cologne, toilet water, etc. 551,954, Dec. 11; Serial No. 597,666, published Sept. 11, 1951. Class 51.
Clicquot Club Bottling & Extract Co., to Clicquot Club Company, Millis, Mass. Sarsaparilla. 36,450, renewed May 21, 1951. O. G. Dec. 11. Class 45.
Clicquot Club Company: *See*—
Clicquot Club Bottling & Extract Co.
Communications Workers of America, Washington, D. C. Promoting, protecting, and advancing the general welfare and mutual interest of its members, etc. 552,068, Dec. 11; Serial No. 543,684, published Sept. 18, 1951. Class 100.
Comoy, H., & Co., Limited, London, England. Tobacco pipes. 551,920, Dec. 11; Serial No. 587,713, published Sept. 25, 1951. Class 8.
Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's shoes. 552,114, Dec. 11; Serial No. 611,768. Class 39.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy products processing equipment. 551,866, Dec. 11; Serial No. 527,915, published Aug. 21, 1951. Class 26.
Cyclemaster Limited, South Kensington, London, England. Bicycles and motorized bicycles. 552,055, Dec. 11; Serial No. 609,400, published Aug. 21, 1951. Class 19.
Dall, Inc., Minneapolis, Minn. Rule. 552,006, Dec. 11; Serial No. 605,731, published Aug. 14, 1951. Class 26.
Delta Food Packers, Inc., Hammonton, N. J. Canned tomatoes and sweet potatoes. 551,997, Dec. 11; Serial No. 604,773, published Sept. 25, 1951. Class 46.
Device & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Periodical publication. 551,880, Dec. 11; Serial No. 559,459, published Sept. 11, 1951. Class 38.
Devon Originations, Summit, N. J. Handbags and purses. 552,108, Dec. 11; Serial No. 600,036. Class 3.
Diamond Match Company, The, New York, N. Y. Dishes. 551,921, Dec. 11; Serial No. 588,279, published Sept. 11, 1951. Class 2.
Dotty Products, Milwaukee, Wis. Facial masks. 551,991, Dec. 11; Serial No. 603,773, published Aug. 7, 1951.
Du-List Products Corporation, New York, N. Y. Metal swinging sectional cabinets. 551,899, Dec. 11; Serial No. 573,533, published Sept. 4, 1951. Class 32.
Dun & Bradstreet, Inc., New York, N. Y. Mercantile credit information service. 552,081, Dec. 11; Serial No. 602,895, published Sept. 18, 1951. Class 101.

Duraloom Carpet Mills, Inc., New York, N. Y. Textile carpets and rugs. 552,107, Dec. 11; Serial No. 599,699. Class 42.

Edison, Sylvan M., Chicago, Ill. Powder soluble to make a cleaning solution. 441,810, Jan. 4, 1949. Republished Dec. 11. Class 52.

Electrofilm Inc., assignee: *See*—
Hall, E. R., Co.

Electrographic Corporation, New York, N. Y., doing business as Mid-West Body & Mfg. Division, Electrographic Corporation, Paris, Ill. Truck body platforms and truck bodies. 552,014, Dec. 11; Serial No. 606,372, published Aug. 14, 1951. Class 19.

Empire Carpet Corporation, New York, N. Y. Linoleum, felt base linoleum, and linoleum rugs. 551,987, Dec. 11; Serial No. 603,512, published Aug. 28, 1951. Class 20.

Empire Parlor Furniture Co., Chelsea, Mass. Living room furniture. 551,945, Dec. 11; Serial No. 595,370, published Apr. 10, 1951. Class 32.

Europa Schreibmaschinen A. G., Erfurt, Germany, to Olympia Buromaschinenwerke A. G., Wilhelmshaven, Germany. Calculating machines. 284,827, renewed July 7, 1951. O. G. Dec. 11. Class 26.

Exactomatic Systems: *See*—
Schmitt, Joe L., Jr.

Fargo Battery & Mfg. Co., Fargo, N. Dak. Storage batteries. 552,098, Dec. 11; Serial No. 588,791. Class 21.

Federal Auto Products Co., Chicago, Ill. Automatic underground sprinkler systems. 552,088, Dec. 11; Serial No. 560,392. Class 13.

Feltman & Curme Shoe Stores Company, The, Chicago, Ill. Shoes. 380,962, Sept. 10, 1940. Republished Dec. 11. Class 39.

Finkel Outdoor Products, Inc., New York, N. Y. Beach and garden umbrellas. 552,016, Dec. 11; Serial No. 606,602, published Aug. 21, 1951. Class 32.

Fitsall Display Co.: *See*—
Martino, Peter V.

Flintkote Company, The: *See*—
Hawaiian Cane Products, Limited.

Flying A Pictures, Inc., Los Angeles, Calif. Series of motion picture photoplays. 552,034, Dec. 11; Serial No. 607,584, published Aug. 21, 1951. Class 26.

Fort Worth Macaroni Company, Fort Worth, Tex. Macaroni. 551,929, Dec. 11; Serial No. 591,563, published Aug. 7, 1951. Class 46.

Fort Worth Macaroni Company, Fort Worth, Tex. Spaghetti and egg noodles. 551,930, Dec. 11; Serial No. 591,564, published Aug. 21, 1951. Class 46.

Foster Wheeler Corporation, New York, N. Y. Periodical publication. 551,952, Dec. 11; Serial No. 597,425, published Sept. 25, 1951. Class 38.

Frederick Post Company, The, Chicago, Ill. Sensitized paper. 552,020, Dec. 11; Serial No. 606,860, published Aug. 21, 1951. Class 26.

Fritzsche Brothers, by Fritzsche Brothers, Inc., New York, N. Y. Essential oils and essences, etc. 62,432, May 7, 1907. Republished Dec. 11. Class 6.

Fritzsche Brothers, Inc.: *See*—
Fritzsche Brothers.

Fruit of the Loom, Inc., Providence, R. I. Cloth in the piece. 551,976, Dec. 11; Serial No. 602,684, published Sept. 18, 1951. Class 42.

Funsten, R. E., Company: *See*—
Funsten, R. E., Dried Fruit & Nut Co.

Funsten, R. E., Dried Fruit & Nut Co., to R. E. Funsten Company, St. Louis, Mo. Fresh cracked pecans. 84,618, re-renewed Dec. 26, 1951. O. G. Dec. 11. Class 46.

Gale Hall Engineering: *See*—
Universal Chemists, Inc.

Garland Coal Company, Knoxville, Tenn. Bituminous coal. 551,985, Dec. 11; Serial No. 603,292, published Aug. 28, 1951. Class 1.

Gem-O-Graph Company, The, assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y. Display and advertising devices. 551,923, Dec. 11; Serial No. 588,640, published Sept. 11, 1951. Class 50.

Gem-O-Graph Corporation of America, Inc., The, assignee: *See*—
Gem-O-Graph Company, The.

General Finance Corporation, Chicago, Ill. Automobile purchase finance and loan services. 552,065, Dec. 11; Serial No. 494,501, published Sept. 11, 1951. Class 102.

Germaine Monteil Parfums Co., New York, N. Y. Cologne, toilet water, perfume, etc. 552,057, Dec. 11; Serial No. 609,722, published Aug. 28, 1951. Class 51.

Gillette Safety Razor Company, assignee: *See*—
Toni Company, The.

Golden Glint Company, Seattle, Wash. Hair rinses and shampoos. 551,901, Dec. 11; Serial No. 573,764, published Aug. 21, 1951. Class 51.

Goldsmith Bros., New York, N. Y. Paper towels. 552,103-4, Dec. 11; Serial Nos. 597,268-9. Class 37.

Gould, Barbara, Inc., New York, N. Y. Face cream. 552,056, Dec. 11; Serial No. 609,548, published Aug. 28, 1951. Class 51.

Granger, Elizabeth A., Sea Cliff, N. Y. Newspaper column. 552,030, Dec. 11; Serial No. 607,123, published Sept. 4, 1951. Class 38.

Graphic Calculator Company, Chicago, Ill. Mechanical calculator. 552,024, Dec. 11; Serial No. 607,017, published Aug. 21, 1951. Class 26.

Green, Daniel, Company: *See*—
Green, Daniel, Felt Shoe Company.

Green, Daniel, Company, Dolgeville, N. Y. Shoes and slippers. 387,345, May 13, 1941. Republished Dec. 11. Class 39.

Green, Daniel, Felt Shoe Company, Boston, Mass., and Dolgeville, N. Y., by Daniel Green Company, Dolgeville, N. Y. Shoes and slippers. 104,301, May 18, 1915. Republished Dec. 11. Class 39.

Grimlok Sales, Chicago, Ill. Collapsible, paperboard, food boxes. 551,878, Dec. 11; Serial No. 558,785, published Sept. 11, 1951. Class 2.

Gristede Bros., Inc., Bronx, N. Y. Canned fish, canned fruits, canned fruit juices, etc. 401,324, May 11, 1943. Republished Dec. 11. Class 46.

Gruver, Arthur B., Wilmington, Del. Preparation for grooming the hair. 551,957, Dec. 11; Serial No. 598,850, published Aug. 7, 1951. Class 51.

Gunn Brothers, Amarillo, Tex., assignee of Gunn Brothers, Trading stamps. 551,942, Dec. 11; Serial No. 594,967, published Sept. 4, 1951. Class 38.

Hall, E. R., Co., Los Angeles and North Hollywood, assignor to Electrofilm Inc., Los Angeles, Calif. Electric heating elements. 552,116, Dec. 11; Serial No. 565,433. Class 21.

Hallauer, Walter A., doing business as Wapato Packing Company, Wapato, Wash. Canned tomatoes. 552,035, Dec. 11; Serial No. 607,807, published Aug. 28, 1951. Class 46.

Halstead, James, Limited, Whitefield, Manchester, England. Plastic floor coverings. 551,948, Dec. 11; Serial No. 596,164, published Sept. 11, 1951. Class 20.

Halstead, Marian, Washington, D. C. Undergarments. 552,007, Dec. 11; Serial No. 605,739, published Sept. 25, 1951. Class 39.

Handy & Herman, New York, N. Y. Solder. 290,363, renewed Jan. 5, 1952. O. G. Dec. 11. Class 14.

Hanger, J. E., Inc., Washington, D. C. Artificial limbs. 289,717, renewed Dec. 1, 1951. O. G. Dec. 11. Class 44.

Hardeman Milling Company, McAlester, Okla. Hen feed. 551,864, Dec. 11; Serial No. 512,502, published Sept. 12, 1950. Class 46.

Hargo Sales Corp., New York, N. Y. Collapsible cigarette holder. 551,924, Dec. 11; Serial No. 589,444, published Sept. 18, 1951. Class 8.

Hartman, A. F., Co.: *See*—
Hartman, Alfred F.

Hartman, Alfred F., doing business as A. F. Hartman Co., Kansas City, Mo. Mail boxes. 552,112, Dec. 11; Serial No. 610,441. Class 2.

Hawaiian Cane Products, Limited, Honolulu, Hawaii, by The Flintkote Company, New York, N. Y. Insulating board, insulating lath, insulating tile, etc. 294,076, May 17, 1932. Republished Dec. 11. Class 12.

Heintz, William J., Utica, N. Y. Head rests and head rest covers. 289,225, renewed Nov. 24, 1951. O. G. Dec. 11. Class 44.

Herb Helmus-Hardware Corp., Brooklyn, N. Y. Nails. 552,093, Dec. 11; Serial No. 578,332. Class 13.

Hitchcock Chair Company, The, Riverton, Conn. Furniture seat or bench. 552,037, Dec. 11; Serial No. 608,001, published Sept. 4, 1951. Class 32.

Hoelzer, C. F., New York, N. Y. Conservation of paintings. 552,066, Dec. 11; Serial No. 529,755, published Sept. 11, 1951. Class 103.

Holman, A. J., Company, Philadelphia, Pa. Bibles. 552,041, Dec. 11; Serial No. 608,112, published Sept. 25, 1951. Class 38.

Horn & Hardart Baking Co., Philadelphia, Pa. Restaurant service. 552,071, Dec. 11; Serial No. 569,852, published Sept. 18, 1951. Class 100.

Hudnut, Richard, New York, N. Y. Mascara. 552,025, Dec. 11; Serial No. 607,025, published Sept. 4, 1951. Class 51.

Hudnut, Richard, New York, N. Y. Hair rinse. 552,026, Dec. 11; Serial No. 607,026, published Sept. 4, 1951. Class 51.

Hudson Pulp & Paper Corporation, Portland, Maine, and New York, N. Y. Paper bags. 551,872, Dec. 11; Serial No. 551,801, published Sept. 11, 1951. Class 2.

Huenelator Corporation, Beverly Hills, Calif. Skin creams, sun tan oil, skin lotions, etc. 552,011, Dec. 11; Serial No. 606,017, published Aug. 28, 1951. Class 51.

Hurd Lock & Manufacturing Company, Detroit, Mich. Fishing reels. 552,085, Dec. 11; Serial No. 550,044. Class 22.

Imperial Pharmacal Co.: *See*—
Bondi, Emanuel.

Inland Air Lines, Inc., Los Angeles, Calif. Transportation of passengers, freight, and mail by airplane. 552,073, Dec. 11; Serial No. 593,872, published Sept. 18, 1951. Class 105.

International Harvester Company, Chicago, Ill. Refrigeration packaging products. 551,971, Dec. 11; Serial No. 601,800, published Sept. 4, 1951. Class 14.

International Projector Corporation, New York, N. Y., to International Projector Corporation, Bloomfield, N. J. Cameras and parts thereof and accessories thereto, etc. 287,315, renewed Sept. 22, 1951. O. G. Dec. 11. Class 26.

Irwin Foundry & Mine Car Company, Irwin, Pa. Mine cars, industrial cars, kiln cars, etc. 552,046–7, Dec. 11; Serial Nos. 608,311–12, published Aug. 21, 1951. Class 19.

Jaeger Company, Limited, The, London, England. Infants' underwear, ladies' and men's shoes and slippers, etc. 551,911, Dec. 11; Serial No. 581,770, published Sept. 11, 1951. Class 39.

James Candy Company: *See*—
James', Inc.

James', Inc., to James Candy Company, Atlantic City, N. J. Confections. 290,903, renewed Jan. 19, 1952. O. G. Dec. 11. Class 46.

Jennison-Wright Corporation, The, Toledo, Ohio. Block and hydrocarbon containing paving materials. 85,355, re-renewed Feb. 13, 1952. O. G. Dec. 11. Class 12.

Jerman, Daniel L., Teaneck, N. J. Automatic shut-off valve. 552,091, Dec. 11; Serial No. 574,364. Class 13.

Johnson Plastic Corporation, Middlefield, Ohio. Flexible plastic pipe and tubing, and flexible pipe fittings. 551,981, Dec. 11; Serial No. 603,063, published Sept. 18, 1951. Class 35.

Johnson-Williams, Ltd., Palo Alto, Calif. Electrically operated combined combustible gas indicator and detector. 551,977, Dec. 11; Serial No. 602,700, published Aug. 21, 1951. Class 26.

Jupiter Foundations, Inc., New York, N. Y. Brassières. 444,614, Dec. 11; Serial No. 518,080, published Sept. 25, 1951. Class 39.

Kagran Corporation, assignee: *See*—
Smith, Robert E.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. House organ. 551,885, Dec. 11; Serial No. 563,190, published Aug. 28, 1951. Class 38.

Kansas City Fire and Marine Insurance Company, Kansas City, Mo. Fire, marine, casualty, liability, theft and property damage insurance services. 552,078, Dec. 11; Serial No. 601,677, published Sept. 18, 1951. Class 102.

Kauderer, Louis G., Riverside, N. J. Men's hosiery. 552,105, Dec. 11; Serial No. 597,340. Class 39.

Kaye-Tex Manufacturing Corp., New York, N. Y. Plastic film. 551,927, Dec. 11; Serial No. 590,160, published Sept. 11, 1951. Class 50.

Kayman, Phil, & Co., Chicago, Ill. Venetian blinds. 551,917, Dec. 11; Serial No. 585,332, published Aug. 28, 1951. Class 32.

Kilray Blind Company, assignee: *See*—
Adjustable Blind Company.

Koehring Company, Milwaukee, Wis. Motor propelled dirt hauling and dumping vehicles. 551,973, Dec. 11; Serial No. 601,925, published July 24, 1951. Class 19.

Landau, Louis, Inc., New York, N. Y. Window curtains. 551,867, Dec. 11; Serial No. 538,934, published Sept. 18, 1951. Class 42.

Lea Brothers, Chemists: *See*—
Lea's Pharmacy.

Lea's Pharmacy, doing business as Lea Brothers, Chemists, to Altone Chemical Company, Inc., New Orleans, La. Athlete's foot medicine. 289,040, renewed Nov. 17, 1951. O. G. Dec. 11. Class 18.

Lemon Cove Association, Lemon Cove, Calif. Fresh citrus fruits. 551,868, Dec. 11; Serial No. 539,183, published Sept. 4, 1951. Class 46.

Leonard, Peggy Ltd., Hollywood, Calif. Cream foundation, cleansing cream, skin lotion, etc. 551,964, Dec. 11; Serial No. 600,837, published Sept. 4, 1951. Class 51.

Lesnick, Louis, and Son, Philadelphia, Pa. Men's trousers. 551,889, Dec. 11; Serial No. 565,789, published July 10, 1951. Class 39.

Levy, M. S., & Sons Incorporated, to Men's Hats, Inc., Baltimore, Md. Men's hats. 286,156, renewed Aug. 18, 1951. O. G. Dec. 11. Class 39.

Libbey-Owens-Ford Glass Company: *See*—
Toledo Synthetic Products, Inc.

Linne Products Company: *See*—
Titley, Walter J.

Lowe, Herbert T., Custer, S. Dak., assignor to R. Sabor, to Midland Laboratories, Dubuque, Iowa. Electric scrubbing, polishing, and sanding machines. 291,285, renewed Feb. 9, 1952. O. G. Dec. 11. Class 21.

Lowe, Joe, Corporation, New York, N. Y. Bags. 552,045, Dec. 11; Serial No. 608,280, published Sept. 11, 1951. Class 2.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. 552,087, Dec. 11; Serial No. 559,851. Class 46.

MacFadden Publications, Inc., New York, N. Y. Monthly magazine. 551,970, Dec. 11; Serial No. 601,634, published Sept. 25, 1951. Class 38.

MacVeagh, Franklin, and Company, Chicago, Ill. Grapejuice and boiled cider. 85,263, re-renewed Feb. 6, 1952. O. G. Dec. 11. Class 45.

Manahan Moth Paper Company, New York and Brooklyn, N. Y. Collapsible storage chests, wardrobe box bags, storage bags, etc. 551,886, Dec. 11; Serial No. 563,747, published Sept. 18, 1951. Class 2.

Mandee Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 551,928, Dec. 11; Serial No. 591,428, published Sept. 18, 1951. Class 42.

Mantaug Ointment Co., Inc., assignee: *See*—
Rieth, Warren P.

Martino, Peter V., doing business as Fitsall Display Co., Long Island City, N. Y. Platform units. 551,863, Dec. 11; Serial No. 510,713, published Sept. 4, 1951. Class 32.

Marvin-Neitzel Corporation, Troy, N. Y. Monthly publications. 551,951, Dec. 11; Serial No. 597,345, published Sept. 11, 1951. Class 38.

Mason, Ehrman & Co., Portland, Oreg. Canned fruit, canned vegetables, canned salmon, etc. 552,021, Dec. 11; Serial No. 606,876, published Sept. 4, 1951. Class 46.

Mautz Paint & Varnish Company, Madison, Wis. Ready mixed paints; ready mixed primers and sealers; etc. 551,869, Dec. 11; Serial No. 540,300, published Sept. 18, 1951. Class 16.

McCormick, John G., doing business as Accordio-Tape System, Minneapolis, Minn. Instructing in the playing of the accordion. 552,076, Dec. 11; Serial No. 597,346, published Sept. 18, 1951. Class 107.

McDonald, James W., Wichita Falls, Tex. Cooked animal fats, oils and greases, and meat cake. 551,865, Dec. 11; Serial No. 521,355, published Sept. 25, 1951. Class 46.

McGaugh, Calvin C., to Airmaid Hosiery Mills, Dallas, Tex. Hosiery. 287,851, renewed Oct. 13, 1951. O. G. Dec. 11. Class 39.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Hard rubber combs. 286,879, renewed Sept. 8, 1951. O. G. Dec. 11. Class 40.

McKesson & Robbins, Incorporated, Bridgeport, and Fairfield, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Tooth brushes. 287,272, renewed Sept. 15, 1951. O. G. Dec. 11. Class 29.

Melfi, Veto, Jamaica, N. Y. All purpose cosmetic cream. 551,968, Dec. 11; Serial No. 601,331, published Aug. 7, 1951. Class 51.

Men's Hats, Inc.: *See*—
Levy, M. S., & Sons Incorporated.

Merit Clothing Company, Mayfield, Ky. Suit coats, sport coats, top coats, etc. 552,092, Dec. 11; Serial No. 574,849. Class 39.

Metal Products Engineering, Inc., Los Angeles, Calif. Sandwich holder. 552,111, Dec. 11; Serial No. 607,595. Class 21.

Midland Laboratories: *See*—
Lowe, Herbert T.

Mid-West Body & Mfg. Division, Electrographic Corporation: *See*—
Electrographic Corporation.

Miller-Jones Company, Columbus, Ohio. Men's shoes. 552,095, Dec. 11; Serial No. 582,571. Class 39.

Miro Container Company, Inc., Brooklyn, N. Y. Liquid tight food cartons, set-up paper boxes, cardboard butter plates, etc. 551,873, Dec. 11; Serial No. 553,503, published Sept. 11, 1951. Class 2.

Mohr, Ann E., New York, N. Y. Toy gift stockings. 552,061, Dec. 11; Serial No. 611,366, published Sept. 25, 1951. Class 22.

Monroe Calculating Machine Company, Inc., Orange, N. J. Instructional booklets and lesson sheets. 551,916, Dec. 11; Serial No. 584,341, published Sept. 11, 1951. Class 38.

Mueller, A. R., doing business as A. R. Mueller Printing & Lithograph Co., Cleveland, Ohio. Magazine. 551,949, Dec. 11; Serial No. 596,353, published Sept. 25, 1951. Class 38.

Mueller, A. R., Printing & Lithograph Co.: *See*—
Mueller, A. R.

National Association of Sanitarians, Los Angeles, Calif. Periodical publication. 551,934, Dec. 11; Serial No. 592,682, published Sept. 11, 1951. Class 38.

National Association of Shoe Chain Stores, Inc., New York, N. Y. Shoe and allied and accessory lines exhibiting space service. 552,117, Dec. 11; Serial No. 571,354. Class 101.

Nelson Manufacturing Corporation, Pontiac, Mich. Metal stampings and metal spinnings. 551,996, Dec. 11; Serial No. 604,701, published Sept. 4, 1951. Class 14.

New Jersey Zinc Company, The, New York, N. Y. Slab zinc. 552,027, Dec. 11; Serial No. 607,037, published Sept. 4, 1951. Class 14.

New London Mills, Inc., New London, Conn. Felt base floor coverings. 552,017, Dec. 11; Serial No. 606,627, published Sept. 4, 1951. Class 20.

Nicole Sportswear, Inc., New York, N. Y. Blouses and skirts. 551,877, Dec. 11; Serial No. 558,662, published Sept. 25, 1951. Class 39.

Nielsen, Herman, New York, N. Y. Towel racks. 551,922, Dec. 11; Serial No. 588,380, published Aug. 28, 1951. Class 32.

Northwood Fur Farms, Gary, Ill. Mink garments. 542,721, May 22, 1951. Corrected. O. G. Dec. 11. Class 39.

Olympia Buromaschinenwerke A. G.: *See*—
Europa Schreibmaschinen A. G.

Original Products Corporation, Miami Beach, Fla. Adjustable full length body conforming lounge. 551,989, Dec. 11; Serial No. 603,697, published Aug. 28, 1951. Class 32.

Oswego Falls Corporation, Fulton, N. Y. Round containers. 551,896, Dec. 11; Serial No. 569,171, published Sept. 11, 1951. Class 2.

Owens, George, Chicago, Ill. Preparation for relief of sciatica, rheumatism and neuritis. 551,998, Dec. 11; Serial No. 604,799, published Aug. 7, 1951. Class 18.

Ozarka, Incorporated, Woodstock, Ill. Prefabricated boats. 551,938, Dec. 11; Serial No. 593,680, published Aug. 14, 1951. Class 19.

Pagliuso Engineering Company: *See*—
Pagliuso, R. J.

Pagliuso, R. J., doing business as Pagliuso Engineering Company, Glendale, Calif. Hand operated, round, hollow tube with sharp cutting edge and plunger ejector. 552,100, Dec. 11; Serial No. 591,510. Class 23.

Pappas, Clement, & Co., Cedarville, N. J. Canned cranberry sauce. 551,875, Dec. 11; Serial No. 555,192, published Sept. 4, 1951. Class 46.

Parfums Ciro, Inc., New York, N. Y. Perfume. 551,980, Dec. 11; Serial No. 602,853, published Sept. 4, 1951. Class 51.

Parnell, Wallace R., doing business as Canterbury Press, Hollywood, Calif. Crossword puzzle publication. 552,004, Dec. 11; Serial No. 605,675, published Sept. 18, 1951. Class 38.

Penick & Ford, Ltd., Incorporated, New York, N. Y. Table syrup. 551,986, Dec. 11; Serial No. 603,305, published July 17, 1951. Class 46.

Penn Camera Exchange, Inc., New York, N. Y. Projection screens, copy and enlarger stands, photographic lighting units, etc. 551,894, Dec. 11; Serial No. 604,541, published Aug. 14, 1951. Class 26.

Phillips, J. A., & Company, Limited, Birmingham, England. Motorcycles, bicycles, and tricycles. 551,978, Dec. 11; Serial No. 602,773, published Aug. 21, 1951. Class 19.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 551,939–40, Dec. 11; Serial Nos. 594,399–400, published Sept. 4, 1951. Class 46.

Pioneer Life Insurance Company, Philadelphia, Pa. Underwriting life, health and accident insurance. 552,079, Dec. 11; Serial No. 602,469, published Sept. 18, 1951. Class 102.

Powell Duffryn Limited, London, England. Chemical substances. 551,912, Dec. 11; Serial No. 582,421, published Sept. 18, 1951. Class 6.

Protection Products Manufacturing Company, Kalamazoo, Mich. Material impregnating apparatus. 529,293, Aug. 22, 1950. Amended. O. G. Dec. 11. Class 23.

Purofied Down Products Corporation, New York, N. Y. Pillows. 551,950, Dec. 11; Serial No. 596,801, published Aug. 28, 1951. Class 32.

Regal Service and Sales Company, Inc., Baltimore, Md. Service and repair of oil burners. 552,067, Dec. 11; Serial No. 537,506, published Sept. 18, 1951. Class 103.

Rhoads, J. E., & Sons, Philadelphia, Pa. Lace leather. 290,649, renewed Jan. 12, 1952. O. G. Dec. 11. Class 1.

Rhythm Lingerie, Inc., New York, N. Y. Ladies' and misses' camisoles, petticoats, slips, etc. 552,058, Dec. 11; Serial No. 609,740, published Sept. 18, 1951. Class 39.

Richmond-Chase Company, San Jose, Calif. Canned fruits; canned vegetables; canned fruit and vegetable juices, etc. 551,876, Dec. 11; Serial No. 556,656, published Sept. 18, 1951. Class 46.

Rieth, Warren P., assignor to Mantaug Ointment Co., Inc., Malden, Mass. Ointments. 551,892, Dec. 11; Serial No. 566,889, published Aug. 28, 1951. Class 18.

Robertshaw-Fulton Controls Company, Greensburg, Pa. Expansible fluid thermal elements. 551,890, Dec. 11; Serial No. 565,966, published Aug. 21, 1951. Class 26.

Roe, Wm. G., & Sons, Winter Haven, Fla. Fresh citrus fruits. 552,054, Dec. 11; Serial No. 608,951, published Oct. 2, 1951. Class 46.

Rohm & Haas Company, Philadelphia, Pa. Material in powder or liquid form containing enzymes. 286,596, renewed Sept. 1, 1951. O. G. Dec. 11. Class 6.

Ruberoid Co., The, Bound Brook, N. J., to The Ruberoid Co., New York, N. Y., and Bound Brook, N. J. Composition shingles. 290,418, renewed Jan. 5, 1952. O. G. Dec. 11. Class 12.

Rubin, Samuel L., doing business as Artko Mfrs., Chicago, Ill. Dry cleaning garment finisher. 551,979, Dec. 11; Serial No. 602,779, published Sept. 25, 1951. Class 24.

S. W. Flower Company: *See*—
Burge, Robert S.

S & Z Manufacturing Co., Chicago, Ill. Women's slips. 552,059, Dec. 11; Serial No. 610,500, published Sept. 25, 1951. Class 39.

Saab, A. N., Co., Inc., New York, N. Y. Ladies' gowns, slips, panties, etc. 551,982, Dec. 11; Serial No. 603,130, published Sept. 25, 1951. Class 39.

Sabor, Russell, assignee: *See*—
Lowe, Herbert T.

Sankey, Joseph, & Sons, Ltd., Bilston, England. Sheet-metal transformer and dynamo plates. 79,791, renewed Oct. 4, 1950. O. G. Dec. 11. Class 21.

Sankey, Joseph, & Sons, Ltd., Bilston, England. Iron and steel blooms, billets, bars, and sheets. 80,086, renewed Nov. 1, 1950. O. G. Dec. 11. Class 14.

Schmitt, Joe L., Jr., doing business as Exactomatic Systems, Phoenix, Ariz. Bookkeeping service. 552,074–5, Dec. 11; Serial Nos. 595,855–6, published Sept. 25, 1951. Class 101.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 552,113, Dec. 11; Serial No. 611,044. Class 39.

Schwitzer-Cummins Company, Indianapolis, Ind. Water pump seals. 552,050, Dec. 11; Serial No. 608,679, published Sept. 18, 1951. Class 35.

Scientific Photo Corp., Queens Village, N. Y. Printed photographs. 552,038, Dec. 11; Serial No. 608,046, published Sept. 25, 1951. Class 38.

Screw Conveyor Corporation, Hammond, Ind. Boltless spring clamping device. 552,090, Dec. 11; Serial No. 563,500. Class 13.

Sculpto-foto, Inc., Chicago, Ill. Photographs. 552,028, Dec. 11; Serial No. 607,046, published Sept. 4, 1951. Class 38.

Sears, Roebuck and Co., Chicago, Ill. Electric blankets, lamp shades and electrical lighting apparatus. 551,888, Dec. 11; Serial No. 612,091, published Sept. 25, 1951. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Women's and children's hosiery. 551,900, Dec. 11; Serial No. 573,685, published Sept. 11, 1951. Class 39.

Seymour Hosiery Company, Newark, N. J. Hosiery. 552,000, Dec. 11; Serial No. 605,122, published Sept. 11, 1951. Class 39.

Sheraton Corporation of America, Jersey City, N. J., and Boston, Mass. Hotel and restaurant services. 552,070, Dec. 11; Serial No. 563,549, published Sept. 25, 1951. Class 100.

Sheraton Mills, Inc., New York, N. Y. Piece goods. 552,008–9, Dec. 11; Serial Nos. 605,920–1, published Sept. 18, 1951. Class 42.

Sheridan-Clayton Paper Company, St. Joseph, Mo. Paper bags. 551,905, Dec. 11; Serial No. 578,227, published Aug. 28, 1951. Class 2.

Sherman, Nathan, Philadelphia, Pa. Weekly publication. 551,962, Dec. 11; Serial No. 599,904, published Sept. 4, 1951. Class 38.

Shulton, Inc., Clifton, N. J., and New York, N. Y. Perfume compounds and synthetic aromatic flavoring to be used for cosmetic purposes. 551,984, Dec. 11; Serial No. 603,259, published Aug. 14, 1951. Class 51.

Siebe, Gorman & Co. Limited, Tolworth, Surrey, England. Breathing apparatus. 83,188, re-renewed Aug. 22, 1951. O. G. Dec. 11. Class 44.

Sil-oo-Ette Systems, Inc., assignee: *See*—
Sil-oo-Ette Systems of Ohio, Inc.

Sil-oo-Ette Systems of Ohio, Inc., Columbus, Ohio, and New York, N. Y., assignor to Sil-oo-Ette Systems, Inc., New York, N. Y. Posture correction and slenderizing service. 552,077, Dec. 11; Serial No. 598,549, published Sept. 18, 1951. Class 100.

Sirera, Clemente G., Murcia, Spain. Paprika. 551,907, Dec. 11; Serial No. 579,397, published Aug. 28, 1951. Class 46.

Slimaker Dress Corporation, Inc., Kansas City, Mo. Women's dresses. 552,106, Dec. 11; Serial No. 599,662. Class 39.

Smith, Robert E., assignor to Kagran Corporation, New York, N. Y. Gloves and mittens. 551,943, Dec. 11; Serial No. 595,003, published Sept. 25, 1951. Class 39.

Smith, S. W., Rio Vista, Calif. Appliances used in fishing. 552,063, Dec. 11; Serial No. 614,220, published Sept. 25, 1951. Class 22.

Soc. p. A. Besana, Milan, Italy. Cakes, candy, biscuits, etc. 551,881, Dec. 11; Serial No. 559,800, published Sept. 18, 1951. Class 46.

Society for Visual Education, Inc., Chicago, Ill. Attachment for a projector. 551,955, Dec. 11; Serial No. 598,112, published Aug. 21, 1951. Class 26.

Society for Visual Education, Inc., Chicago, Ill. Slide attachment for projectors. 551,958, Dec. 11; Serial No. 599,027, published Aug. 21, 1951. Class 26.

Southeastern Mills, Inc., Rome, Ga. Self-rising wheat flour. 551,882, Dec. 11; Serial No. 560,363, published Oct. 2, 1951. Class 46.

Spiral Manufacturing Corporation, The, Chicago, Ill. Motor operated production control machine with movable indicators. 551,884, Dec. 11; Serial No. 562,585, published Aug. 14, 1951. Class 26.

Spool Cotton Company, The, New York, N. Y. Printed instruction leaflets. 551,972, Dec. 11; Serial No. 601,811, published Sept. 25, 1951. Class 38.

Standard Oil Company, Whiting, Ind., to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Petroleum-pitch. 84,416, re-renewed Dec. 12, 1951. O. G. Dec. 11. Class 1.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Rust preventing oils and greases. 286,188, renewed Aug. 18, 1951. O. G. Dec. 11. Class 15.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Mothproofing compound and insecticide. 286,276, renewed Aug. 25, 1951. O. G. Dec. 11. Class 6.

Stanley Works, The, New Britain, Conn. Electrically lighted eye shields. 551,965, Dec. 11; Serial No. 600,856, published Aug. 21, 1951. Class 26.

Stannus Propeller Company, Detroit, Mich. Propeller wheels. 552,040, Dec. 11; Serial No. 608,091, published Aug. 14, 1951. Class 19.

Styron-Beggs Company, The, Newark, Ohio. Pure vanilla extract, pure wintergreen extract, pure orange extract, etc. 552,031, Dec. 11; Serial No. 607,270, published Aug. 21, 1951. Class 46.

Teahen, James M., Detroit, Mich. Water closets. 288,859, renewed Nov. 10, 1951. O. G. Dec. 11. Class 13.

Technical Rubber Co., Johnstown, Ohio. Pneumatic tire vulcanizing units. 551,944, Dec. 11; Serial No. 595,292, published Sept. 18, 1951. Class 35.

Temperleys Haslehust & Co., Inc., New York, N. Y., Self coupling three-wheeled truck for trailers. 551,908–9, Dec. 11; Serial Nos. 580,266–7, published Aug. 21, 1951. Class 19.

Terrytoons, Inc., New Rochelle, N. Y. Comic strips. 552,042, Dec. 11; Serial No. 608,130, published Sept. 25, 1951. Class 38.

Thayer, Inc., Gardner, Mass. Convertible carriage and stroller. 551,990, Dec. 11; Serial No. 603,704, published July 24, 1951. Class 19.

Titley, Walter J., doing business as Linne Products Company, Santa Monica, Calif. Automobile accessory. 551,983, Dec. 11; Serial No. 603,212, published July 24, 1951. Class 19.

Toledo Synthetic Products, Inc., to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Synthetic heat hardening molding material. 291,254, renewed Feb. 2, 1952. O. G. Dec. 11. Class 1.

Toni Company, The, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass. Liquid crème shampoo. 551,925, Dec. 11; Serial No. 589,536, published Sept. 25, 1951. Class 52.

Tracer, Nettie, doing business as Nettie Tracer Cosmetics, New York, N. Y. Perfumes and toilet waters. 551,906, Dec. 11; Serial No. 579,151, published Aug. 28, 1951. Class 51.

Tracer, Nettie, Cosmetics: *See*—
Tracer, Nettie.

Trio Chemical Works, Inc., Brooklyn, N. Y. Floor polishing wax. 551,935, Dec. 11; Serial No. 592,852, published Oct. 2, 1951. Class 4.

Uddo & Taormina Company: *See*—
Uddo Taormina Corp.

Uddo Taormina Corp., Brooklyn and New York, by Uddo & Taormina Company, New York, N. Y. Combination of peanut, cottonseed oils and olive oil. 391,090, Oct. 21, 1941. Republished Dec. 11. Class 46.

United Kingdom Tobacco Company, Limited, The, by The United Kingdom Tobacco Company, Limited, London, England. Cigarettes. 117,490, July 10, 1917. Republished Dec. 11. Class 17.

United Laboratories, Inc., Cleveland, Ohio. Cargo lash. 552,094, Dec. 11; Serial No. 579,724. Class 19.

United Metal Box Co., Inc., Brooklyn, N. Y. Metal trash cans and metal hampers. 551,870, Dec. 11; Serial No. 544,937, published Sept. 11, 1951. Class 2.

United States Junior Chamber of Commerce, The, St. Louis, Mo., and Tulsa, Okla. Organizing and holding meetings and competitions and other special events for business people and the public, etc. 552,083, Dec. 11; Serial No. 556,232, published Sept. 25, 1951. Class 100.

United States Safety Service Co., Kansas City, Mo. Brochure of facts and material. 551,956, Dec. 11; Serial No. 598,619, published Sept. 25, 1951. Class 38.

United States Steel Company: *See*—
Carnegie-Illinois Steel Corporation.

Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Gauge to show the condition of the cooling system of a motor vehicle. 551,959, Dec. 11; Serial No. 599,036, published Aug. 21, 1951. Class 26.

Universal Wire Spring Company, The, Cleveland, Ohio. Wire springs for upholstered furniture. 551,898, Dec. 11; Serial No. 572,469, published Aug. 28, 1951. Class 32.

Up-Right, Inc., Berkeley, Calif. Scaffolds and ladders. 551,879, Dec. 11; Serial No. 559,191, published Sept. 11, 1951. Class 50.

Valentine Laboratories, Inc., Chicago, Ill. Hair dressing. 551,887, Dec. 11; Serial No. 564,227, published Mar. 21, 1950. Class 51.

Vincennes Packing Corporation, Vincennes, Ind. Canned foods. 551,895, Dec. 11; Serial No. 568,130, published Apr. 10, 1951. Class 46.

Waite Carpet Co., Oshkosh, Wis. Rugs and carpets. 551,988, Dec. 11; Serial No. 603,623, published Sept. 18, 1951. Class 42.

Walters' "Palm" Toffee Limited, London, England. Toffees. 551,883, Dec. 11; Serial No. 560,669, published Sept. 4, 1951. Class 46.

Wapato Packing Company: *See*—
Hallauer, Walter A.

West Virginia Pulp and Paper Company, New York, N. Y. Coated book and magazine paper. 552,086, Dec. 11; Serial No. 555,714. Class 37.

White, David, Company, Milwaukee, Wis. Stereoscopic cameras, stereoscopic projectors, stereoscopes, etc. 412,242, Feb. 27, 1945. Republished Dec. 11. Class 26.

Wilco, Incorporated, Kenton, Ohio. Bodies for trucks and trailers. 551,910, Dec. 11; Serial No. 580,337, published May 9, 1950. Class 19.

Wolfram & Molybdene Société Anonyme, Nyon, Switzerland. Metal powder and metal powder mixtures, carbide blanks. 551,904, Dec. 11; Serial No. 577,846, published Jan. 16, 1951. Class 14.

Wood, J. B., doing business under the trade name of Wood Manufacturing Co., El Dorado, Ark. Artificial fish lures. 551,963, Dec. 11; Serial No. 599,915, published Sept. 25, 1951. Class 22.

Wood, John, Manufacturing Company, Inc., New York, N. Y., and Muskegon Heights, Mich. Apparatus for automatically inflating a container to a predetermined pressure. 551,893, Dec. 11; Serial No. 567,729, published Aug. 21, 1951. Class 26.

Wood Manufacturing Co.: *See*—
Wood, J. B.

World Editions, Inc., New York, N. Y. Periodical publications. 551,918, Dec. 11; Serial No. 586,898, published Sept. 4, 1951. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bentonite. Benton Clay Co. 552,039, Dec. 11; Serial No. 608,054, published Sept. 11, 1951.

Coal, Bituminous. Garland Coal Company. 551,985, Dec. 11; Serial No. 603,292, published Aug. 28, 1951.

Leather, Lace. J. E. Rhoads & Sons. 290,649, renewed Jan. 12, 1952. O. G. Dec. 11.

Petroleum-pitch. Standard Oil Company. 84,416, re-renewed Dec. 12, 1951. O. G. Dec. 11.

Seeds, Lawn, R. S. Burge. 552,036, Dec. 11; Serial No. 607,843, published Sept. 11, 1951.

Synthetic heat hardening molding material. Toledo Synthetic Products, Inc. 291,254, renewed Feb. 2, 1952. O. G. Dec. 11.

CLASS 2

Bags. Joe Lowe Corporation. 552,045, Dec. 11; Serial No. 608,280, published Sept. 11, 1951.

Bags, Paper. Hudson Pulp & Paper Corporation. 551,872, Dec. 11; Serial No. 551,801, published Sept. 11, 1951.

Bags, Paper. Sheridan-Clayton Paper Company. 551,905, Dec. 11; Serial No. 578,227, published Aug. 28, 1951.

Boxes, Collapsible, paperboard, food. Grimlok Sales. 551,878, Dec. 11; Serial No. 558,785, published Sept. 11, 1951.

Boxes, Lunch, lunch kits and picnic kits, etc. Aladdin Industries, Incorporated. 551,874, Dec. 11; Serial No. 554,070, published Sept. 18, 1951.

Boxes, Mail. A. F. Hartman. 552,112, Dec. 11; Serial No. 610,441.

Cartons, Liquid tight food, set-up paper boxes, cardboard butter plates, etc. Miro Container Company, Inc. 551,873, Dec. 11; Serial No. 553,503, published Sept. 11, 1951.

Chests, Collapsible storage, wardrobe box bags, storage bags, etc. Manahan Moth Paper Company. 551,886, Dec. 11; Serial No. 563,747, published Sept. 18, 1951.

Collapsible, corrugated cardboard preformed packs. Albany Corrugated Container Corporation. 551,919, Dec. 11; Serial No. 587,228, published Sept. 11, 1951.

Containers, Round. Oswego Falls Corporation. 551,896, Dec. 11; Serial No. 569,171, published Sept. 11.

Dish, Moulded plastic compartmented feeding. B. W. Photo Utilities, Incorporated. 552,096, Dec. 11; Serial No. 582,996.

Dishes. The Diamond Match Company. 551,921, Dec. 11; Serial No. 588,279, published Sept. 11, 1951.

Trash cans, Metal, and metal hampers. United Metal Box Co., Inc. 551,870, Dec. 11; Serial No. 544,937, published Sept. 11, 1951.

CLASS 3

Handbags and purses. Devon Originations. 552,108, Dec. 11; Serial No. 600,036.

CLASS 4

Photographic, photoengraving and photomechanical supplies. Chemco Photoproducts Company, Inc. 551,903, Dec. 11; Serial No. 575,839, published Oct. 2, 1951.

Photographic, photoengraving and photomechanical supplies. Chemco Photoproducts Company, Inc. 551,933, Dec. 11; Serial No. 592,545, published Oct. 2, 1951.
Wax, Floor polishing. Trio Chemical Works, Inc. 551,935, Dec. 11; Serial No. 592,852, published Oct. 2, 1951.

CLASS 6

Chemical substances. Powell Duffryn Limited. 551,912, Dec. 11; Serial No. 582,421, published Sept. 18, 1951.
Material in powder or liquid form containing enzymes. Rohm & Haas Company. 286,596, renewed Sept. 1, 1951. O. G. Dec. 11.
Mothproofing compound and insecticide. Standard Oil Company. 286,276, renewed Aug. 25, 1951. O. G. Dec. 11.
Oils and essences, Essential. Fritzsche Brothers. 62,432, May 7, 1907. Republished Dec. 11.

CLASS 7

Rope, Wire. Broderick & Bascom Rope Company. 551,915, Dec. 11; Serial No. 584,316, published Sept. 18, 1951.
Ropes, cables, and stranda, Steel. British Ropes, Limited. 285,969, renewed Aug. 11, 1951. O. G. Dec. 11.

CLASS 8

Cigarette holder, Collapsible. Hargo Sales Corp. 551,924, Dec. 11; Serial No. 589,444, published Sept. 18, 1951.
Cigarette lighter flints. American Safety Razor Corporation. 552,015, Dec. 11; Serial No. 606,449, published Sept. 25, 1951.
Lighters and flints therefor, Portable pyrophoric cigar or cigarette. Bowers Tool & Die Company. 552,102, Dec. 11; Serial No. 592,468.
Pipes, Tobacco. H. Comoy & Co., Limited. 551,920, Dec. 11; Serial No. 587,713, published Sept. 25, 1951.
Smokers' articles. Raymond Brenner, Inc. 551,932, Dec. 11; Serial No. 592,415, published Sept. 25, 1951.

CLASS 12

Clay building tile, Glazed and unglazed. Clay Products Company, Inc. of Indiana. 283,094, renewed May 19, 1951. O. G. Dec. 11.
Insulating board, insulating lath, insulating tile, etc. Hawaiian Cane Products, Limited. 294,076, May 17, 1932. Republished Dec. 11.
Lumber, Rough and finished. Chicago Mill and Lumber Corporation. 287,381, renewed Sept. 22, 1951. O. G. Dec. 11.
Paving materials, Block and hydrocarbon containing. The Jennison-Wright Corporation. 85,355, re-renewed Feb. 13, 1952. O. G. Dec. 11.
Shingles, Composition. The Ruberoid Co. 290,418, renewed Jan. 5, 1952. O. G. Dec. 11.

CLASS 13

Automatic underground sprinkler systems. Federal Auto Products Co. 552,088, Dec. 11; Serial No. 560,392.
Hollow cast metal bodies. American Cast Iron Pipe Company. 288,068, renewed Oct. 20, 1951. O. G. Dec. 11.
Nails. Herb Helmus-Hardware Corp. 552,093, Dec. 11; Serial No. 578,332.
Sheet metal picket fence. R. W. Barrett. 552,110, Dec. 11; Serial No. 606,068.
Spring clamping device, Boltless. Screw Conveyor Corporation. 552,090, Dec. 11; Serial No. 563,500.
Valve, Automatic shut-off. D. L. Jerman. 552,091, Dec. 11; Serial No. 574,364.
Water closets. J. M. Teahen. 288,859, renewed Nov. 10, 1951. O. G. Dec. 11.

CLASS 14

Iron and steel blooms, billets, bars, and sheets. Joseph Sankey & Sons, Ltd. 80,086, re-renewed Nov. 1, 1950. O. G. Dec. 11.
Metal powder and metal powder mixtures, carbide blanks. Wolfram & Molybdene Société Anonyme. 551,904, Dec. 11; Serial No. 577,846, published Jan. 16, 1951.
Metal stampings and metal spinnings. Nelson Manufacturing Corporation. 551,996, Dec. 11; Serial No. 604,701, published Sept. 4, 1951.
Refrigeration packaging products. International Harvester Company. 551,971, Dec. 11; Serial No. 601,800, published Sept. 4, 1951.
Slab zinc. The New Jersey Zinc Company. 552,027, Dec. 11; Serial No. 607,037, published Sept. 4, 1951.
Solder. Alpha Metals, Inc. 552,043, Dec. 11; Serial No. 608,139, published Sept. 4, 1951.
Solder. Handy & Herman. 290,363, renewed Jan. 5, 1952. O. G. Dec. 11.
Steel, Tool, alloy steel, and alloy tool steel. Allegheny Ludlum Steel Corporation. 551,946, Dec. 11; Serial No. 595,845, published Oct. 31, 1950.
Steel bars. Carnegie-Illinois Steel Corporation. 552,033, Dec. 11; Serial No. 607,420, published Sept. 4, 1951.

CLASS 15

Gasoline. The Atlantic Refining Company. 552,001, Dec. 11; Serial No. 605,134, published July 17, 1951.
Oils and greases, Rust preventing. Standard Oil Company. 286,188, renewed Aug. 18, 1951. O. G. Dec. 11.

CLASS 16

Paints, Ready mixed; ready mixed primers and sealers; etc. Mautz Paint & Varnish Company. 551,869, Dec. 11; Serial No. 540,300, published Sept. 18, 1951.
Shellac, wall paints and varnish. Fred G. Broh, Inc. 444,615, Dec. 11; Serial No. 523,364, published Sept. 25, 1951.

CLASS 17

Cigarettes. The United Kingdom Tobacco Company, Limited. 117,490, July 10, 1917. Republished Dec. 11.

CLASS 18

Fungicide for the treatment of athlete's foot. E. Bondi. 551,931, Dec. 11; Serial No. 592,120, published Aug. 7, 1951.
Medicinal preparation. Aspirin Company of America. 551,894, Dec. 11; Serial No. 567,748, published Sept. 18, 1951.
Medicine, Athlete's foot. Lea's Pharmacy. 289,040, renewed Nov. 17, 1951. O. G. Dec. 11.
Ointments. W. P. Rieth. 551,892, Dec. 11; Serial No. 566,889, published Aug. 28, 1951.
Preparation for relief of sciatica, rheumatism and neuritis. G. Owens. 551,998, Dec. 11; Serial No. 604,799, published Aug. 7, 1951.

CLASS 19

Adjustable blinds for automobiles. Adjustable Blind Company. 552,084, Dec. 11; Serial No. 546,743.
Airplanes and airplane structural parts. Bellanca Aircraft Corporation. 551,947, Dec. 11; Serial No. 595,936, published Aug. 21, 1951.
Automobile accessory. W. J. Titley. 551,983, Dec. 11; Serial No. 603,212, published July 24, 1951.
Bicycles and motorized bicycles. Cyclemaster Limited. 552,055, Dec. 11; Serial No. 609,400, published Aug. 21, 1951.
Boats, Prefabricated. Ozarka, Incorporated. 551,938, Dec. 11; Serial No. 593,680, published Aug. 14, 1951.
Boats, Row, and outboard motor boats and bicycles. Belknap Hardware and Manufacturing Company. 551,992, Dec. 11; Serial No. 603,873, published July 24, 1951.
Bodies for trucks and trailers. Wilco, Incorporated. 551,910, Dec. 11; Serial No. 580,337, published May 9, 1950.
Cargo lash. United Laboratories, Inc. 552,094, Dec. 11; Serial No. 579,724.
Carriage and stroller, Convertible. Thayer, Inc. 551,990, Dec. 11; Serial No. 603,704, published July 24, 1951.
Cars, Mine, industrial cars, kiln cars, etc. Irwin Foundry & Mine Car Company. 552,046–7, Dec. 11; Serial No. 608,311–12, published Aug. 21, 1951.
Hauling and dumping vehicles, Motor propelled dirt. Koehring Company. 551,973, Dec. 11; Serial No. 601,925, published July 24, 1951.
Motorcycles, bicycles, and tricycles. J. A. Phillips & Company, Limited. 551,978, Dec. 11; Serial No. 602,773, published Aug. 21, 1951.
Platform carriers for use on the tops of automobiles. R. C. Belgau. 552,097, Dec. 11; Serial No. 584,656.
Propeller wheels. Stannus Propeller Company. 552,040, Dec. 11; Serial No. 608,091, published Aug. 14, 1951.
Self coupling three-wheeled truck for trailers. Temperleys Haslehust & Co., Inc., 551,908–9, Dec. 11; Serial No. 580,266–7, published Aug. 21, 1951.
Truck body platforms and truck bodies. Electrographic Corporation. 552,014, Dec. 11; Serial No. 606,372, published Aug. 14, 1951.
Trucks, Power operated warehouse or industrial. Clark Equipment Company. 552,048, Dec. 11; Serial No. 608,409, published Aug. 21, 1951.

CLASS 20

Floor covering, Plastic composition. Bonafide Mills, Inc. 551,937, Dec. 11; Serial No. 593,528, published Sept. 11, 1951.
Floor coverings and rugs, Felt base, linoleum and composition. Bonafide Mills, Inc. 551,969, Dec. 11; Serial No. 601,349, published Sept. 11, 1951.
Floor coverings, Felt base. New London Mills, Inc. 552,017, Dec. 11; Serial No. 606,627, published Sept. 4, 1951.
Floor coverings, Plastic. James Halstead Limited. 551,948, Dec. 11; Serial No. 596,164, published Sept. 11, 1951.
Linoleum, felt base linoleum, and linoleum rugs. Empire Carpet Corporation. 551,987, Dec. 11; Serial No. 603,512, published Aug. 28, 1951.

CLASS 21

Electric blankets, lamp shades and electrical lighting apparatus. Sears, Roebuck and Co. 551,888, Dec. 11; Serial No. 612,091, published Sept. 25, 1951.
Electric scrubbing, polishing, and sanding machines. H. T. Lowe. 291,285, renewed Feb. 9, 1952. O. G. Dec. 11.
Heating elements, Electric. E. R. Hall Co. 552,116, Dec. 11; Serial No. 565,433.
Sandwich holder, Metal Products Engineering, Inc. 552,111, Dec. 11; Serial No. 607,595.

Sheet-metal transformer and dynamo plates. Joseph Sankey & Sons, Ltd. 79,791, re-renewed Oct. 4, 1950. O. G. Dec. 11.
Storage batteries. Fargo Battery & Mfg. Co. 552,098, Dec. 11; Serial No. 588,791.

CLASS 22

Appliances used in fishing. S. W. Smith. 552,063, Dec. 11; Serial No. 614,220, published Sept. 25, 1951.
Bathing tub for dolls, dolls' beds, dolls' gliders, etc. American Metal Specialties Corp. 552,099, Dec. 11; Serial No. 591,220.
Bowling bags. The Brunswick-Balke-Collender Company. 552,062, Dec. 11; Serial No. 613,629, published Sept. 25, 1951.
Dolls. American Character Doll Co. 552,064, Dec. 11; Serial No. 614,737, published Sept. 25, 1951.
Fish hook. Anderson and Johnson. 551,967, Dec. 11; Serial No. 600,940, published Sept. 25, 1951.
Fish lures, Artificial. J. B. Wood. 551,963, Dec. 11; Serial No. 599,915, published Sept. 25, 1951.
Fishing reels. Hurd Lock & Manufacturing Company. 552,085, Dec. 11; Serial No. 550,044.
Toy gift stockings. A. E. Mohr. 552,061, Dec. 11; Serial No. 611,366, published Sept. 25, 1951.

CLASS 23

Hand operated, round, hollow tube with sharp cutting edge and plunger ejector. R. J. Pagliuso. 552,100, Dec. 11; Serial No. 591,510.
Material impregnating apparatus. Protection Products Manufacturing Company. 529,293, Aug. 22, 1950. Amended. O. G. Dec. 11.
Sewing and darning machines and parts thereof. Brütsch & Co. 552,012, Dec. 11; Serial No. 606,071, published July 3, 1951.
Twist drills. Avildsen Tools & Machines, Inc. 552,109, Dec. 11; Serial No. 604,182.

CLASS 24

Garment finisher, Dry cleaning. S. L. Rubin. 551,979, Dec. 11; Serial No. 602,779, published Sept. 25, 1951.

CLASS 25

Locks and latches. The American Hardware Corporation. 552,089, Dec. 11; Serial No. 561,416.

CLASS 26

Apparatus for automatically inflating a container to a predetermined pressure. John Wood Manufacturing Company, Inc. 551,893, Dec. 11; Serial No. 567,729, published Aug. 21, 1951.
Attachment for a projector. Society for Visual Education, Inc. 551,955, Dec. 11; Serial No. 598,112, published Aug. 21, 1951.
Calculating machines. Europa Schreibmaschinen A. G. 284,827, renewed July 7, 1951. O. G. Dec. 11.
Calculator, Mechanical. Graphic Calculator Company. 552,024, Dec. 11; Serial No. 607,017, published Aug. 21, 1951.
Cameras and field glasses. William Boyd. 552,013, Dec. 11; Serial No. 606,127, published Aug. 21, 1951.
Cameras and parts thereof and accessories thereto, etc. International Projector Corporation. 287,315, renewed Sept. 22, 1951. O. G. Dec. 11.
Cameras, Stereoscopic, stereoscopic projectors, stereoscopes, etc. David White Company. 412,242, Feb. 27, 1945. Republished Dec. 11.
Dairy products processing equipment. The Creamery Package Mfg. Company. 551,866, Dec. 11; Serial No. 527,915, published Aug. 21, 1951.
Expansible fluid thermal elements. Robertshaw-Fulton Controls Company. 551,890, Dec. 11; Serial No. 565,966, published Aug. 21, 1951.
Eye shields, Electrically lighted. The Stanley Works. 551,965, Dec. 11; Serial No. 600,856, published Aug. 21, 1951.
Gauge to show the condition of the cooling system of a motor vehicle. Universal Chemists, Inc. 551,959, Dec. 11; Serial No. 599,036, published Aug. 21, 1951.
Indicator and detector, Electrically operated combined combustible gas. Johnson-Williams, Ltd. 551,977, Dec. 11; Serial No. 602,700, published Aug. 21, 1951.
Meters, Frequency, tachometers, etc. Berkeley Scientific Corporation. 552,051, Dec. 11; Serial No. 608,778, published Aug. 14, 1951.
Motor operated production control machine with movable indicators. The Spiral Manufacturing Corporation. 551,884, Dec. 11; Serial No. 562,585, published Aug. 14, 1951.
Projection screens, copy and enlarger stands, photographic lighting units, etc. Penn Camera Exchange, Inc. 551,994, Dec. 11; Serial No. 604,541, published Aug. 14, 1951.
Rule, Dail, Inc. 552,006, Dec. 11; Serial No. 605,731, published Aug. 14, 1951.
Sensitized paper. The Frederick Post Company. 552,020, Dec. 11; Serial No. 606,860, published Aug. 21, 1951.
Series of motion picture photoplays. Flying A Pictures, Inc. 552,034, Dec. 11; Serial No. 607,584, published Aug. 21, 1951.
Slide attachment for projectors. Society for Visual Education, Inc. 551,958, Dec. 11; Serial No. 599,027, published Aug. 21, 1951.
Thermostats, Heat actuated, and sprinkler system control thermostats. "Automatic" Sprinkler Corporation of America. 552,052, Dec. 11; Serial No. 608,853, published Aug. 21, 1951.
Tool in the nature of a stethoscope. The Bingham-Herbrand Corporation. 551,926, Dec. 11; Serial No. 589,626, published Aug. 14, 1951.
Valves, switches, and indicators, Thermostatically operated. Airseco. 551,871, Dec. 11; Serial No. 550,766, published Aug. 21, 1951.

CLASS 29

Brushes, Tooth. McKesson & Robbins, Incorporated. 287,272, renewed Sept. 15, 1951. O. G. Dec. 11.

CLASS 32

Beach and garden umbrellas. Finkel Outdoor Products, Inc. 552,016, Dec. 11; Serial No. 606,602, published Aug. 21, 1951.
Chairs. Bell Manufacturing Company. 551,993, Dec. 11; Serial No. 603,979, published Aug. 28, 1951.
Chairs, sofas, credenzas, etc. B. Altman & Co. 551,999, Dec. 11; Serial No. 604,893, published Aug. 28, 1951.
Furniture. Berkeley Industries. 552,003, Dec. 11; Serial No. 605,575, published Aug. 28, 1951.
Furniture, Living room. Empire Parlor Furniture Co. 551,945, Dec. 11; Serial No. 595,370, published Apr. 10, 1951.
Furniture seat or bench. The Hitchcock Chair Company. 552,037, Dec. 11; Serial No. 608,001, published Sept. 4, 1951.
Lounge, Adjustable full length body conforming. Original Products Corporation. 551,989, Dec. 11; Serial No. 603,697, published Aug. 28, 1951.
Mattresses and box springs. Beverly Mattress Co., Inc. 552,019, Dec. 11; Serial No. 606,849, published Aug. 21, 1951.
Metal swinging sectional cabinets. Du-List Products Corporation. 551,899, Dec. 11; Serial No. 573,533, published Sept. 4, 1951.
Pillows. I. A. Biele. 552,005, Dec. 11; Serial No. 605,714, published Aug. 21, 1951.
Pillows. Purofied Down Products Corporation. 551,950, Dec. 11; Serial No. 596,801, published Aug. 28, 1951.
Pillows, Foam rubber. American Foam Rubber Corporation. 552,010, Dec. 11; Serial No. 605,980, published Aug. 21, 1951.
Platform units. P. V. Martino. 551,863, Dec. 11; Serial No. 510,713, published Sept. 4, 1951.
Stands, Plant. Bandwagon Manufacturing, Inc. 552,044, Dec. 11; Serial No. 608,234, published Sept. 4, 1951.
Towel racks. H. Nielsen. 551,922, Dec. 11; Serial No. 588,380, published Aug. 28, 1951.
Venetian blinds. Phil Kayman & Co. 551,917, Dec. 11; Serial No. 585,332, published Aug. 28, 1951.
Wire springs for upholstered furniture. The Universal Wire Spring Company. 551,898, Dec. 11; Serial No. 572,469, published Aug. 28, 1951.

CLASS 35

Brake lining. The Anchor Packing Company. 552,049, Dec. 11; Serial No. 608,587, published Sept. 18, 1951.
Flexible plastic pipe and tubing, and flexible pipe fittings. Johnson Plastic Corporation. 551,981, Dec. 11; Serial No. 603,063, published Sept. 18, 1951.
Tire vulcanizing units, Pneumatic. Technical Rubber Co. 551,944, Dec. 11; Serial No. 595,292, published Sept. 18, 1951.
Water pump seals. Schwitzer-Cummins Company. 552,050, Dec. 11; Serial No. 608,679, published Sept. 18, 1951.

CLASS 37

Paper, Coated book and magazine. West Virginia Pulp and Paper Company. 552,086, Dec. 11; Serial No. 555,714.
Paper towels. Goldsmith Bros. 552,103–04, Dec. 11; Serial Nos. 597,268–9.

CLASS 38

Bibles. A. J. Holman Company. 552,041, Dec. 11; Serial No. 608,112, published Sept. 25, 1951.
Booklets, Instructional, and lesson sheets. Monroe Calculating Machine Company, Inc. 551,916, Dec. 11; Serial No. 584,341, published Sept. 11, 1951.
Brochure of facts and material. United States Safety Service Co. 551,956, Dec. 11; Serial No. 598,619, published Sept. 25, 1951.
Catalog, Merchandise. Belnap & Thompson, Inc. 551,913, Dec. 11; Serial No. 582,939, published Sept. 11, 1951.
Comic strips. Terrytoons, Inc. 552,042, Dec. 11; Serial No. 608,130, published Sept. 25, 1951.
Correspondence school lessons. Acme School of Die Design Engineering, Inc. 552,022, Dec. 11; Serial No. 606,961, published Sept. 11, 1951.
House organ. Clay Products Company, Inc. of Indiana. 283,336, renewed May 26, 1951. O. G. Dec. 11.
House organ. Kalamazoo Vegetable Parchment Co. 551,885, Dec. 11; Serial No. 563,190, published Aug. 28, 1951.

Leaflets. Printed instruction. The Spool Cotton Company. 551,972, Dec. 11; Serial No. 601,811, published Sept. 25, 1951.
Magazine. A. R. Mueller. 551,949, Dec. 11; Serial No. 596,353, published Sept. 25, 1951.
Magazine, Monthly. Macfadden Publications, Inc. 551,970, Dec. 11; Serial No. 601,334, published Sept. 25, 1951.
Newspaper column. E. A. Granger. 552,030, Dec. 11; Serial No. 607,123, published Sept. 4, 1951.
Periodical. California Packing Corporation. 551,897, Dec. 11; Serial No. 572,014, published Aug. 28, 1951.
Periodical publication. Devoe & Raynolds Company, Inc. 551,880, Dec. 11; Serial No. 559,459, published Sept. 11, 1951.
Photographs. Sculpto-foto, Inc. 552,028, Dec. 11; Serial No. 607,046, published Sept. 4, 1951.
Printed photographs. Scientific Photo Corp. 552,038, Dec. 11; Serial No. 608,046, published Sept. 25, 1951.
Publication, Crossword puzzle. W. R. Parnell. 552,004, Dec. 11; Serial No. 605,675, published Sept. 18, 1951.
Publication, Periodical. Foster Wheeler Corporation. 551,952, Dec. 11; Serial No. 597,425, published Sept. 25, 1951.
Publication, Periodical. National Association of Sanitarians. 551,934, Dec. 11; Serial No. 592,682, published Sept. 11, 1951.
Publication, Weekly. N. Sherman. 551,962, Dec. 11; Serial No. 599,904, published Sept. 4, 1951.
Publications, Monthly. Marvin-Neitzel Corporation. 551,951, Dec. 11; Serial No. 597,345, published Sept. 11, 1951.
Publications, Periodical. World Editions, Inc. 551,918, Dec. 11; Serial No. 586,898, published Sept. 4, 1951.
Trading stamps. American Trading Stamp Company. 552,018, Dec. 11; Serial No. 606,846, published Sept. 11, 1951.
Trading stamps. Gunn Brothers. 551,942, Dec. 11; Serial No. 594,967, published Sept. 4, 1951.

CLASS 39

Blouses and skirts. Nicole Sportswear, Inc. 551,877, Dec. 11; Serial No. 558,662, published Sept. 25, 1951.
Brassières. Jupiter Foundations, Inc. 444,614, Dec. 11; Serial No. 518,080, published Sept. 25, 1951.
Camisoles, petticoats, slips, etc., Ladies' and misses'. Rhythm Lingerie, Inc. 552,058, Dec. 11; Serial No. 609,740, published Sept. 18, 1951.
Clothing, Women's, misses' and juniors' ready-to-wear. Bettermade Garment Company. 552,023, Dec. 11; Serial No. 607,000, published Sept. 25, 1951.
Coats, vests, trousers, etc. J. Schoeneman Inc. 552,113, Dec. 11; Serial No. 611,044.
Dresses, Women's. Slimaker Dress Corporation, Inc. 552,106, Dec. 11; Serial No. 599,662.
Garments, Mink. Northwood Fur Farms. 542,721, May 22, 1951. Corrected. O. G. Dec. 11.
Gloves and mittens. R. E. Smith. 551,943, Dec. 11; Serial No. 595,003, published Sept. 25, 1951.
Gowns, slips, panties, etc., Ladies'. A. N. Saab Co., Inc. 551,982, Dec. 11; Serial No. 603,130, published Sept. 25, 1951.
Hats, Men's. M. S. Levy & Sons Incorporated. 286,156, renewed Aug. 18, 1951. O. G. Dec. 11.
Hosiery. C. C. McGaugh. 287,851, renewed Oct. 13, 1951. O. G. Dec. 11.
Hosiery. Seymour Hosiery Company. 552,000, Dec. 11; Serial No. 605,122, published Sept. 11, 1951.
Hosiery, Men's. L. G. Kauderer. 552,105, Dec. 11; Serial No. 597,340.
Hosiery, Women's. Chadbourn Hosiery Mills, Incorporated. 551,975, Dec. 11; Serial No. 602,139, published Sept. 11, 1951.
Hosiery, Women's and children's. Sears, Roebuck and Co. 551,900, Dec. 11; Serial No. 573,685, published Sept. 11, 1951.
Shoes. The Feltman & Curme Shoe Stores Company. 380,962, Sept. 10, 1940. Republished Dec. 11.
Shoes and slippers. Daniel Green Company. 387,345, May 13, 1941. Republished Dec. 11.
Shoes and slippers. Daniel Green Felt Shoe Company. 104,301, May 18, 1915. Republished Dec. 11.
Shoes, Men's. Craddock-Terry Shoe Corporation. 552,114, Dec. 11; Serial No. 611,768.
Shoes, Men's. Miller-Jones Company. 552,095, Dec. 11; Serial No. 582,571.
Slips, Women's. S & Z Manufacturing Co. 552,059, Dec. 11; Serial No. 610,500, published Sept. 25, 1951.
Suit coats, sport coats, top coats, etc. Merit Clothing Company. 552,092, Dec. 11; Serial No. 574,849.
Sweaters. Catalina, Inc. 551,902, Dec. 11; Serial No. 575,326, published Sept. 11, 1951.
Trousers, Men's. Louis Lesnick and Son. 551,889, Dec. 11; Serial No. 565,789, published July 10, 1951.
Undergarments. M. Halstead. 552,007, Dec. 11; Serial No. 605,739, published Sept. 25, 1951.
Underwear, Infants', ladies' and men's shoes and slippers, etc. The Jaeger Company Limited. 551,911, Dec. 11; Serial No. 581,770, published Sept. 11, 1951.

CLASS 40

Combs, Hard rubber. McKesson & Robbins, Incorporated. 286,879, renewed Sept. 8, 1951. O. G. Dec. 11.

CLASS 42

Carpets and rugs, Textile. Duraloom Carpet Mills, Inc. 552,107, Dec. 11; Serial No. 599,699.
Cloth in the piece. Fruit of the Loom, Inc. 551,976, Dec. 11; Serial No. 602,684, published Sept. 18, 1951.
Curtains, Window. Bartmann & Bixer, Inc. 552,029, Dec. 11; Serial No. 607,112, published Sept. 18, 1951.
Curtains, Window. Louis Landau, Inc. 551,867, Dec. 11; Serial No. 538,934, published Sept. 18, 1951.
Fabrics in the piece, Textile. Burlington Mills Corporation. 551,995, Dec. 11; Serial No. 604,583, published Sept. 18, 1951.
Fabrics in the piece, Textile. Mandee Fabrics, Inc. 551,928, Dec. 11; Serial No. 591,428, published Sept. 18, 1951.
Piece goods. Chopak-Solow Corp. 551,960, Dec. 11; Serial No. 599,226, published Sept. 18, 1951.
Piece goods. Sheraton Mills, Inc. 552,008-9, Dec. 11; Serial No. 605,920-1, published Sept. 18, 1951.
Piece goods, Cotton. Milton C. Blum, Inc. 552,060, Dec. 11; Serial No. 610,887, published Sept. 18, 1951.
Piece goods, knitted fabrics, elastic webbing, etc. B. Altmann. 551,961, Dec. 11; Serial No. 599,302, published Sept. 18, 1951.
Rugs and carpets. Waite Carpet Co. 551,988, Dec. 11; Serial No. 603,623, published Sept. 18, 1951.

CLASS 44

Artificial limbs. J. E. Hanger, Inc. 289,717, renewed Dec. 1, 1951. O. G. Dec. 11.
Breathing apparatus. Siebe, Gorman & Co. Limited. 83,188, re-renewed Aug. 22, 1951. O. G. Dec. 11.
Head rests and head rest covers. W. J. Heintz. 289,225, renewed Nov. 24, 1951. O. G. Dec. 11.

CLASS 45

Beverages, Nonalcoholic, maltless. Cereal Products Refining Corpn. 289,965, renewed Dec. 15, 1951. O. G. Dec. 11.
Grape-juice and boiled cider. Franklin MacVeagh and Company. 85,263, re-renewed Feb. 6, 1952. O. G. Dec. 11.
Sarsaparilla. Clicquot Club Bottling & Extract Co. 36,450, re-renewed May 21, 1951. O. G. Dec. 11.

CLASS 46

Cakes, candy, biscuits, etc. Soc. P. A. Besana. 551,881, Dec. 11; Serial No. 559,800, published Sept. 18, 1951.
Candy. Blum's. 552,115, Dec. 11; Serial No. 613,691.
Candy, candied and chocolate covered nuts; candied fruits, candied dates, etc. Barricini, Inc. 551,974, Dec. 11; Serial No. 602,018, published Sept. 4, 1951.
Canned cranberry sauce. Clement Pappas & Co. 551,875, Dec. 11; Serial No. 555,192, published Sept. 4, 1951.
Canned fish. Amieux-Maroc. 551,966, Dec. 11; Serial No. 600,873, published Aug. 28, 1951.
Canned fish, canned fruits, canned fruit juices, etc. Gristede Bros., Inc. 401,324, May 11, 1943. Republished Dec. 11.
Canned foods. Vincennes Packing Corporation. 551,895, Dec. 11; Serial No. 568,130, published Apr. 10, 1951.
Canned fruit, canned vegetables, canned salmon, etc. Mason, Ehrman & Co. 552,021, Dec. 11; Serial No. 606,876, published Sept. 4, 1951.
Canned fruits; canned vegetables; canned fruit and vegetable juices, etc. Richmond-Chase Company. 551,876, Dec. 11; Serial No. 556,656, published Sept. 18, 1951.
Canned tomatoes. W. A. Hallauer. 552,035, Dec. 11; Serial No. 607,807, published Aug. 28, 1951.
Canned tomatoes and sweet potatoes. Delta Food Packers, Inc. 551,997, Dec. 11; Serial No. 604,773, published Sept. 25, 1951.
Combination of peanut, cottonseed oils and olive oil. Uddo Taormina Corp. 391,090, Oct. 21, 1941. Republished Dec. 11.
Confections. James', Inc. 290,903, renewed Jan. 19, 1952. O. G. Dec. 11.
Confections, Frozen, and liquid syrups or concentrates. Joe Lowe Corporation. 552,087, Dec. 11; Serial No. 559,851.
Cooked animal fats, oils and greases, and meat cake. J. W. McDonald. 551,865, Dec. 11; Serial No. 521,355, published Sept. 25, 1951.
Feed, Hen. Hardeman Milling Company. 551,864, Dec. 11; Serial No. 512,502, published Sept. 12, 1950.
Flour, Self-rising wheat. Southeastern Mills, Inc. 551,882, Dec. 11; Serial No. 560,363, published Oct. 2, 1951.
Flour, Wheat. Pillsbury Mills, Inc. 551,939-40, Dec. 11; Serial Nos. 594,399-400, published Sept. 4, 1951.
Food sauce. Berenee Co. 552,002, Dec. 11; Serial No. 605,401, published Sept. 4, 1951.
Fruits, Fresh citrus. Lemon Cove Association. 551,868, Dec. 11; Serial No. 539,183, published Sept. 4, 1951.
Fruits, Fresh citrus. Wm. G. Roe & Sons. 552,054, Dec. 11; Serial No. 608,951, published Oct. 2, 1951.
Granules of unsweetened chocolate. Chatham Candies, Inc. 552,101, Dec. 11; Serial No. 591,833.
Macaroni. Fort Worth Macaroni Company. 551,929, Dec. 11; Serial No. 591,563, published Aug. 7, 1951.

Paprika. Sirera Clemente Garcia. 551,907, Dec. 11; Serial No. 579,397, published Aug. 28, 1951.
Pecans, Fresh cracked. R. E. Funsten Dried Fruit & Nut Co. 84,618, re-renewed Dec. 26, 1951. O. G. Dec. 11.
Potatoes. Edward H. Anderson & Co. Inc. 551,941, Dec. 11; Serial No. 594,433, published July 3, 1951.
Poultry, Fresh killed and frozen, and eggs. Amalgamated Meat Cutters and Butcher Workmen of North America. 552,082, Dec. 11; Serial No. 582,879, published Aug. 28, 1951.
Spaghetti and egg noodles. Fort Worth Macaroni Company. 551,930, Dec. 11; Serial No. 591,564, published Aug. 21, 1951.
Syrup, Table. Penick & Ford, Ltd., Incorporated. 551,986, Dec. 11; Serial No. 603,305, published July 17, 1951.
Toffees. Walters' "Palm" Toffee Limited. 551,883, Dec. 11; Serial No. 560,669, published Sept. 4, 1951.
Vanilla extract, Pure, pure wintergreen extract, pure orange extract, etc. The Styron-Beggs Company. 552,031, Dec. 11; Serial No. 607,270, published Aug. 21, 1951.
Vegetables, Frozen, berries. California & Washington Co. 551,914, Dec. 11; Serial No. 583,242, published Aug. 21, 1951.

CLASS 50

Display and advertising devices. The Gem-O-Graph Company. 551,923, Dec. 11; Serial No. 588,640, published Sept. 11, 1951.
Flags, Manufactured. Annin & Co. 551,936, Dec. 11; Serial No. 593,521, published Sept. 4, 1951.
Plastic film. Kaye-Tex Manufacturing Corp. 551,927, Dec. 11; Serial No. 590,160, published Sept. 11, 1951.
Scaffolding, clips and putlogs, props and trestles. Acrow (Engineers) Limited. 551,891, Dec. 11; Serial No. 566,445, published Sept. 11, 1951.
Scaffolds and ladders. Up-Right, Inc. 551,879, Dec. 11; Serial No. 559,191, published Sept. 11, 1951.

CLASS 51

Cologne, toilet water, perfume, etc. Germaine Monteil Parfums Co. 552,057, Dec. 11; Serial No. 609,722, published Aug. 28, 1951.
Cosmetic cream, All purpose. V. Melfi. 551,968, Dec. 11; Serial No. 601,331, published Aug. 7, 1951.
Cream foundation, cleansing cream, skin lotion, etc. Leonard, Peggy Ltd. 551,964, Dec. 11; Serial No. 600,837, published Sept. 4, 1951.
Face cream. Barbara Gould, Inc. 552,056, Dec. 11; Serial No. 609,548, published Aug. 28, 1951.
Facial masks. Dotty Products. 551,991, Dec. 11; Serial No. 603,773, published Aug. 7, 1951.
Hair coloring, Home. Bymart, Inc. 551,953, Dec. 11; Serial No. 597,499, published Sept. 4, 1951.
Hair dressing. Valentine Laboratories, Inc. 551,887, Dec. 11; Serial No. 564,227, published Mar. 21, 1950.
Hair rinse. R. Hudnut. 552,026, Dec. 11; Serial No. 607,026, published Sept. 4, 1951.
Hair rinses and shampoos. Golden Glint Company. 551,901, Dec. 11; Serial No. 573,764, published Aug. 21, 1951.
Mascara. R. Hudnut. 552,025, Dec. 11; Serial No. 607,025, published Sept. 4, 1951.
Perfume. Parfums Ciro, Inc. 551,980, Dec. 11; Serial No. 602,853, published Sept. 4, 1951.
Perfume, cologne, toilet water, etc. Clersanges, Société à Responsabilité Limitée. 551,954, Dec. 11; Serial No. 597,666, published Sept. 11, 1951.
Perfume compounds and synthetic aromatic flavoring to be used for cosmetic purposes. Shulton, Inc. 551,984, Dec. 11; Serial No. 603,259, published Aug. 14, 1951.
Perfumes and toilet waters. N. Tracer. 551,906, Dec. 11; Serial No. 579,151, published Aug. 28, 1951.
Preparation for grooming the hair. A. B. Gruver. 551,957, Dec. 11; Serial No. 598,850, published Aug. 7, 1951.
Shaving creme. Associated Products, Inc. 552,053, Dec. 11; Serial No. 608,911, published Sept. 4, 1951.
Skin creams, sun tan oil, skin lotions, etc. Huenelator Corporation. 552,011, Dec. 11; Serial No. 606,017, published Aug. 28, 1951.
Toiletries. Marie Barker Co. 552,032, Dec. 11; Serial No. 607,413, published Aug. 28, 1951.

CLASS 52

Powder soluble to make a cleaning solution. S. M. Edison. 441,810, Jan. 4, 1949. Republished Dec. 11.
Shampoo, Liquid crème. The Toni Company. 551,925, Dec. 11; Serial No. 589,536, published Sept. 25, 1951.

CLASS 100

Engineering and research services. Airborne Instruments Laboratory, Inc. 552,069, Dec. 11; Serial No. 559,667, published Sept. 11, 1951.
Hotel and restaurant services. Sheraton Corporation of America. 552,070, Dec. 11; Serial No. 563,549, published Sept. 25, 1951.
Organizing and holding meetings and competitions and other special events for business people and the public, etc. The United States Junior Chamber of Commerce. 552,083, Dec. 11; Serial No. 556,232, published Sept. 25, 1951.
Posture correction and slenderizing service. Sil-oo-Ette Systems of Ohio, Inc. 552,077, Dec. 11; Serial No. 598,549, published Sept. 18, 1951.
Promoting, protecting, and advancing the general welfare and mutual interest of its members, etc. Communications Workers of America. 552,068, Dec. 11; Serial No. 543,684, published Sept. 18, 1951.
Restaurant service. Horn & Hardart Baking Co. 552,071, Dec. 11; Serial No. 569,852, published Sept. 18, 1951.

CLASS 101

Bookkeeping service. J. L. Schmitt, Jr. 552,074-5, Dec. 11; Serial Nos. 595,855-6, published Sept. 25, 1951.
Mercantile credit information service. Dun & Bradstreet, Inc. 552,081, Dec. 11; Serial No. 602,895, published Sept. 18, 1951.
Shoe and allied and accessory lines exhibiting space service. National Association of Shoe Chain Stores, Inc. 552,117, Dec. 11; Serial No. 571,354.

CLASS 102

Automobile purchase finance and loan services. General Finance Corporation. 552,065, Dec. 11; Serial No. 494,501, published Sept. 11, 1951.
Fire, marine, casualty, liability, theft and property damage insurance services. Kansas City Fire and Marine Insurance Company. 552,078, Dec. 11; Serial No. 601,677, published Sept. 18, 1951.
Savings account services. Bank of America National Trust and Savings Association. 552,080, Dec. 11; Serial No. 602,821, published Sept. 18, 1951.
Underwriting life, health and accident insurance. Pioneer Life Insurance Company. 552,079, Dec. 11; Serial No. 602,469, published Sept. 18, 1951.

CLASS 103

Conservation of paintings. C. F. Hoelzer. 552,066, Dec. 11; Serial No. 529,755, published Sept. 11, 1951.
Service and repair of oil burners. Regal Service and Sales Company, Inc. 552,067, Dec. 11; Serial No. 537,506, published Sept. 18, 1951.

CLASS 105

Transportation of passengers, freight, and mail by airplane. Inland Air Lines, Inc. 552,073, Dec. 11; Serial No. 593,872, published Sept. 18, 1951.

CLASS 106

Dyeing and finishing textile fabrics in the piece, etc. Clearwater Finishing Company. 552,072, Dec. 11; Serial No. 592,981, published Sept. 18, 1951.

CLASS 107

Instructing in the playing of the accordion. J. G. McCormick. 552,076, Dec. 11; Serial No. 597,346, published Sept. 18, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

General Electric Company, assignee: *See*—
Young, Allan M.

Young, Allan M., Meriden, Conn., assignor to General Electric Company. Electric toaster. Re. 23,439, Dec. 11.

LIST OF PLANT PATENTEES

Conard-Pyle Company, The, assignee: *See*—
De Vink, John.
Poulsen, Svend.

De Vink, John, Boskoop, Netherlands, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,051, Dec. 11.

Ecke, Paul, Encinitas, Calif. Poinsettia plant. 1,052, Dec. 11.

Poulsen, Svend, Copenhagen, Denmark, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,050, Dec. 11.

LIST OF DESIGN PATENTEES

Amberge, George: *See*—
Toombs, Harry B., and Amberge.

American Optical Company, assignee: *See*—
Splaine, Edward M.

Amston Silver Company, Inc., assignee: *See*—
Lipman, Isadore A.

Anro Products Company, Inc., assignee: *See*—
Flater, Anders H. and R. H.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 165,355, Dec. 11.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 165,356, Dec. 11.

Babel, Rudolph M., Pawtucket, R. I., assignor to General Electric Company. Clockcase. 165,357, Dec. 11.

Baldwin, Gilbert W., Lansing, Mich. Newspaper rack. 165,358, Dec. 11.

Bleiberg, Benjamin, assignee: *See*—
Toler, Linster D.

Braun-Crystal Mfg. Co., Inc., assignee: *See*—
Braun, Samuel, and Crystal.

Braun, Samuel, Rockville Centre, and M. Crystal, Forest Hills, assignors to Braun-Crystal Mfg. Co., Inc., Middle Village, N. Y. Display receptacle. 165,359, Dec. 11.

Brettner, Jules, Bronx, N. Y. Combination cigarette and match pouch. 165,360, Dec. 11.

Bruns, Lawrence A., Relay, assignor to The Crosse & Blackwell Company, Baltimore, Md. Bottle. 165,361, Dec. 11.

Budlong, Robert D., Evanston, Ill., assignor to New-Process Gear Corporation, Syracuse, N. Y. Sewing-machine head. 165,362, Dec. 11.

Burnbaum, Jack, Watertown, Mass. Christmas tree trim or similar article. 165,363, Dec. 11.

Clayman, James, Allston, Mass. Picture frame. 165,364, Dec. 11.

Conkle, Carl C., assignor to Ultra-Cold, Inc., Los Angeles, Calif. Juice dispenser. 165,365, Dec. 11.

Cory Corporation, assignee: *See*—
Neuman, Edward C.

Crosse & Blackwell Company, The, assignee: *See*—
Bruns, Lawrence A.

Crystal, Max: *See*—
Braun, Samuel, and Crystal.

De Armond, Verle, Newark, N. J. Slider for slide fasteners. 165,366, Dec. 11.

Ditto, Incorporated, assignee: *See*—
Palma, Joseph, Jr.

Eging, Henry B., Shaker Heights, Ohio. Perambulator. 165,367, Dec. 11.

Flater, Anders H. and R. H., Evanston, assignors to Anro Products Company, Inc., Chicago, Ill. Fountain brush. 165,368, Dec. 11.

Flater, Roaid H.: *See*—
Flater, Anders H. and R. H.

Fortuna, Bruno, North Bergen, N. J. Lace holder. 165,369, Dec. 11.

Francis, Oliver J., Baker, Oreg. Child's masquerade and play costume. 165,370, Dec. 11.

Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Valve unit for testing and charging refrigeration systems. 165,371, Dec. 11.

Frank, Maxwell, New York, N. Y. Game indicator. 165,372, Dec. 11.

General Electric Company, assignee: *See*—
Babel, Rudolph M.

Gerett, M. A., Corporation, assignee: *See*—
Maage, Alfred E., Jr.

H. M. H. Co., The, assignee: *See*—
Randall, Horace.

Hayes, Virginia C., Chicago, Ill. Hood. 165,373, Dec. 11.

Hutcheson, William S., Omaha, Nebr. Holder for match books. 165,374, Dec. 11.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.

Kafer, Clare H., Palmyra, assignor to Revco, Inc., Deerfield, Mich. Handle for refrigerated cabinets. 165,375, Dec. 11.

Kahn, Harry E., assignee: *See*—
Toler, Linster D.

Kaufman & Krieger, Inc., assignee: *See*—
Krieger, Herman.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 165,376, Dec. 11.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 165,377, Dec. 11.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 165,378, Dec. 11.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 165,379, Dec. 11.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embrodired fabric. 165,380, Dec. 11.

Lerner, Muriel E., San Francisco, Calif. Scarf or similar article. 165,381, Dec. 11.

Lipman, Isadore A., assignor to Amston Silver Company, Inc., Meriden, Conn. Spoon or similar article. 165,382, Dec. 11.

Lorenzana, Moises B., assignor to Storkline Furniture Corporation, Chicago, Ill. Child's walker-stroller. 165,383, Dec. 11.

Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,384, Dec. 11.

Maage, Alfred E., Jr., assignor to M. A. Gerett Corporation, Milwaukee, Wis. Coin actuated calendar bank. 165,385, Dec. 11.

MacIntyre, John A., Barrington, R. I. Fabric or the like for grills of radios. 165,386, Dec. 11.

Mingo, Fred J., Cleveland, Ohio. Can and bottle crusher. 165,387, Dec. 11.

Neuman, Edward C., Oak Park, assignor to Cory Corporation, Chicago, Ill. Upper bowl for a coffee brewer. 165,388, Dec. 11.

New-Process Gear Corporation, assignee: *See*—
Budlong, Robert D.

Palma, Joseph, Jr., assignor to Ditto, Incorporated, Chicago, Ill. Photographic contact printer. 165,389, Dec. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., deceased, by S. L. Abbott, executor, assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Pressure dyeing apparatus for textile packages. 2,577,727, Dec. 11.

Abbott, Samuel L., executor: *See*—
Abbott, Edward J.

Abbott Worsted Mills, Incorporated, assignee: *See*—
Abbott, Edward J.

Adams, Isaac C., assignee: *See*—
Hamby, Walter W.

Adams, Sumner W., Sequim, Wash. Pistol holster. 2,577,869, Dec. 11.

Advertising Metal Display Co., assignee: *See*—
Wirth, Sidney R.

Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Antifriction support for gyroscopes and the like. 2,577,942, Dec. 11.

Ahmanson, Leonard, Washington, D. C. Toy pistol. 2,578,029, Dec. 11.

Air Preheater Corporation, The, assignee: *See*—
Holm, Sven, and Karlsson.

Air Reduction Company, Incorporated, assignee: *See*—
Hughey, Howard G.
Hulme, Philip M.

Aktiebolaget Bofors, assignee: *See*—
Palme, Karl B.

Aktiebolaget Dentatus, assignee: *See*—
Björklund, Gustaf E., and Westberg.

Aktiebolaget Gotaverken, assignee: *See*—
Edvinsson, Anders G.

Aktiebolaget Imo-Industri, assignee: *See*—
Montelius, Carl O. J.

Albertson, Lawrence E., Minneapolis, assignor to The McKays Company, St. Paul, Minn. Feeder. 2,578,387, Dec. 11.

Alexander, Carl Z., Hopatcong, N. J. Boiler. 2,577,728, Dec. 11.

Allied Chemical & Dye Corporation, assignee: *See*—
Florio, Patrick A., and Calfee.
Joris, George G.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Edwards, Ray C.
Goodwin, Edwin C.
Neubauer, Emil T. P.
Peek, Henry L.

Alpak, assignee: *See*—
Crane, Walton B.

Aluminum Fabricating Company of Pittsburgh, assignee: *See*—
Gorell, Frank, and Pozzi.

Alvis Limited, assignee: *See*—
Dunn, William M.

Ambler, Franklin M., Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Brake system for vehicles. 2,578,388, Dec. 11.

Ambrose, Paul J., Silver Spring, Md. Marine safety light. 2,578,030, Dec. 11.

American Brake Shoe Company, assignee: *See*—
Dalrymple, William P.

American Car and Foundry Company, assignee: *See*—
Kepner, Robert C.

American Chemical Paint Company, assignee: *See*—
Jones, Franklin D.

American Cyanamid Company, assignee: *See*—
Booth, Robert B., and Morash.
Denton, John J., and Stewart.
Ham, Garnet P.
Hook, Edwin O., and Moss.
Marcot, Guy C.

American Machine and Foundry Company, assignee: *See*—
Schmidt, Gottfried J.

American Steel Foundries, assignee: *See*—
Lehrman, Leo A.

American Viscose Corporation, assignee: *See*—
Cruz, Mamerto M., Jr.
Hoxie, Howard M.
Webb, Wesley L.

Anderson, Arnold T.: *See*—
Burnham, Robert R., Anderson, and Matheson.

Anderson, William C., Oak Park, assignor to Illinois Tool Works, Chicago, Ill. Screw and washer assembly machine. 2,578,217, Dec. 11.

Andersson, Björn F., Ulvsunda, Sweden. Pressure cooker closure structure. 2,578,389, Dec. 11.

Andrew, William K., Wauwatosa, R. H. Ford, Waukesha, and E. W. Just, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool organization and control mechanism. 2,577,943, Dec. 11.

Andrews, Edward D., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Container loading machine having automatic carton ejector. 2,578,277, Dec. 11.

Anke, Rudolph, West Lawn, assignor to Textile Machine Works, Wyomissing, Pa. Full-fashioned knitting machine and operating the same. 2,578,164, Dec. 11.

Apex Electrical Manufacturing Company, The, assignee: *See*—
Archbold, Ralph L.

Archbold, Ralph L., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Hydraulic counterweight. 2,578,278, Dec. 11.

Arma Corporation, assignee: *See*—
Agins, George.

Armco Steel Corporation, assignee: *See*—
McNabb, Carlos, Whitley, and Morrow.

Armour and Company, assignee: *See*—
Ralston, Anderson W., Barrett, and Segebrecht.

Armstrong, George A., Vancouver, British Columbia, Canada. Phase angle and power factor meter. 2,577,992, Dec. 11.

Armstrong Riding Car Operator Corp., assignee: *See*—
Armstrong, Westropp.

Armstrong, Westropp, Philadelphia, Pa., assignor to Armstrong Riding Car Operator Corp., Chicago, Ill. Elevator closure operating mechanism. 2,578,459, Dec. 11.

Arnolt Corporation, assignee: *See*—
Brown, William N.

Art Electrotype Company, The, assignee: *See*—
Schwarz, Howard G.

Arthuis, Albert R., Paris, France. Machine for testing tensile, compressive, bending, shearing, etc., strength of metals or other materials. 2,577,944, Dec. 11.

Ashbaugh, Norman R., Wichita, Kans. Hydraulic selector valve. 2,578,334, Dec. 11.

Ashlock, George W., Jr., Oakland, Calif. Apparatus and method for the preparation of pimento. 2,578,496, Dec. 11.

Ashworth, Rawden, Greenmount, near Bury, England. Attachment of soles to footwear. 2,578,218, Dec. 11.

Aspinook Corporation, The, assignee: *See*—
Farnsworth, Edwin, and Wood.

Asselin, George F., Kankakee, and L. F. Audrieth, Urbana, Ill., assignors to United States of America as represented by the Secretary of the Navy. Concentration of thorium. 2,578,623, Dec. 11.

Aston, Jack B., Rittman, Ohio. Electrically heated lunch kit. 2,577,870, Dec. 11.

Ateliers de Construction Lavalette, assignee: *See*—
Lagardelle, Germain.

Atherton, Harold S., Detroit, Mich. Plaster or bandage for skin application. 2,577,945, Dec. 11.

Atlantic Refining Company, The, assignee: *See*—
Clarke, Edgar W.

Aubrey, Richard, Jr., Boardman Township, Mahoning County, and A. A. Chambers, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Apparatus for transversely testing cylindrical members. 2,578,031, Dec. 11.

Audrieth, Ludwig F.: *See*—
Asselin, George F., and Audrieth.

Augustine, Roy W., Oak Park, and J. F. Houdek, Jr., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Variable percussion hermetically sealed electromagnetic call-signal device. 2,578,032, Dec. 11.

Austin, Glen L., and E. B. Byrd, Happy, Tex. Posthole auger. 2,578,033, Dec. 11.

Automatic Electric Laboratories, Inc., assignee: *See*—
Montani, Angelo.
Sengebusch, Hans.

Automatic Telephone & Electric Company Limited, assignee: *See*—
Jones, Eric W., and Pearce.

Automotive Spring Company, assignee: *See*—
Heuer, Lawrence H.

Avco Manufacturing Corporation, assignee: *See*—
Bavlo, Arthur D.
Holst, Paul F. G., and Nelson.
Wissel, Francis A.

Babin, Lionel J., assignee: *See*—
Babin, Lionel J., Jr.

Perry, Chester C., Chagrin Falls, Ohio. Lighting fixture for a cooking range back guard panel. 165,390, Dec. 11.
Peters, Leo, Evanston, Ill. Molded food product. 165,391, Dec. 11.
Peters, Leo, Evanston, Ill. Molded food product. 165,392, Dec. 11.
Peters, Leo, Evanston, Ill. Molded food product. 165,393, Dec. 11.
Randall, Horace, Pawtucket, R. I., assignor to The H. M. H. Co. Religious pendant. 165,394, Dec. 11.
Reilly, Alfred F., North Attleboro, Mass. Table lighter. 165,395, Dec. 11.
Revco, Inc., assignee: *See*—
Kafer, Clare H.
Richwine, James R., Lorain, Ohio. Vehicle signal light. 165,396, Dec. 11.
Robbins, Otis C., Dallas, Tex. Dresser or similar article. 165,397, Dec. 11.
Saxton, Maxine N., Apollo, Pa. Slipper. 165,398, Dec. 11.
Siegel, Joseph, New York, N. Y. Lady's stocking or similar article. 165,399, Dec. 11.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
Spinali, Salvatore C., San Diego, Calif. Boot. 165,400, Dec. 11.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting or the like. 165,401, Dec. 11.
Staff, Aaron S., New York, N. Y. Lace. 165,402, Dec. 11.
Stahl, Louis, New York, N. Y. Kitchen canister. 165,403, Dec. 11.
Standard Hosiery Mills, Inc., assignee: *See*—
Torgersen, Raymond A.
Storkline Furniture Corporation, assignee: *See*—
Lorenzana, Moises B.
Talmadge, Arthur O., Atlanta, Ga. Jewelry rack. 165,404, Dec. 11.
Tesch, George D., Chicago, Ill. Building. 165,405, Dec. 11.
Toler, Linster D., assignor to B. Bleiberg and H. E. Kahn, Baltimore, Md. Wall lamp. 165,406, Dec. 11.
Toombs, Harry B., New York, and G. Amberge, Mount Vernon, N. Y. Toy rattle. 165,407, Dec. 11.
Torgersen, Raymond A., Burlington, N. C., assignor to Standard Hosiery Mills, Inc. Man's sock. 165,408, Dec. 11.
Ultra-Cold, Inc., assignee: *See*—
Conkle, Carl C.

LIST OF PATENTEES

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PATENTS WERE ISSUED ON THE 11TH DAY OF DECEMBER, 1951

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Abbott, Samuel L., executor: *See*—
Abbott, Edward J.
Abbott Worsted Mills, Incorporated, assignee: *See*—
Abbott, Edward J.
Adams, Isaac C., assignee: *See*—
Hamby, Walter W.
Adams, Sumner W., Sequim, Wash. Pistol holster. 2,577,869, Dec. 11.
Advertising Metal Display Co., assignee: *See*—
Wirth, Sidney R.
Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Antifriction support for gyroscopes and the like. 2,577,942, Dec. 11.
Ahmanson, Leonard, Washington, D. C. Toy pistol. 2,578,029, Dec. 11.
Air Preheater Corporation, The, assignee: *See*—
Holm, Sven, and Karlsson.
Air Reduction Company, Incorporated, assignee: *See*—
Hughey, Howard G.
Hulme, Philip M.
Aktiebolaget Bofors, assignee: *See*—
Palme, Karl B.
Aktiebolaget Dentatus, assignee: *See*—
Björklund, Gustaf E., and Westberg.
Aktiebolaget Gotaverken, assignee: *See*—
Edvinsson, Anders G.
Aktiebolaget Iro-Industri, assignee: *See*—
Montelius, Carl O. J.
Albertson, Lawrence E., Minneapolis, assignor to The McKays Company, St. Paul, Minn. Feeder. 2,578,387, Dec. 11.
Alexander, Carl Z., Hopatcong, N. J. Boiler. 2,577,728, Dec. 11.
Allied Chemical & Dye Corporation, assignee: *See*—
Florio, Patrick A., and Calfee.
Joris, George G.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Edwards, Ray C.
Goodwin, Edwin C.
Neubauer, Emil T. P.
Peek, Henry L.
Alpak, assignee: *See*—
Crane, Walton B.
Aluminum Fabricating Company of Pittsburgh, assignee: *See*—
Gorell, Frank, and Pozzi.
Alvis Limited, assignee: *See*—
Dunn, William M.
Ambler, Franklin M., Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Brake system for vehicles. 2,578,388, Dec. 11.
Ambrose, Paul J., Silver Spring, Md. Marine safety light. 2,578,030, Dec. 11.
American Brake Shoe Company, assignee: *See*—
Dalrymple, William P.
American Car and Foundry Company, assignee: *See*—
Kepner, Robert C.
American Chemical Paint Company, assignee: *See*—
Jones, Franklin D.
American Cyanamid Company, assignee: *See*—
Booth, Robert B., and Morash.
Denton, John J., and Stewart.
Ham, Garnet P.
Hook, Edwin O., and Moss.
Marcot, Guy C.
American Machine and Foundry Company, assignee: *See*—
Schmidt, Gottfried J.
American Steel Foundries, assignee: *See*—
Lehrman, Leo A.
American Viscose Corporation, assignee: *See*—
Cruz, Mamerto M., Jr.
Hoxie, Howard M.
Webb, Wesley L.
Anderson, Arnold T.: *See*—
Burnham, Robert R., Anderson, and Matheson.
Anderson, William C., Oak Park, assignor to Illinois Tool Works, Chicago, Ill. Screw and washer assembly machine. 2,578,217, Dec. 11.
Andersson, Björn F., Ulvsunda, Sweden. Pressure cooker closure structure. 2,578,389, Dec. 11.
Andrew, William K., Wauwatosa, R. H. Ford, Waukesha, and E. W. Just, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool organization and control mechanism. 2,577,943, Dec. 11.
Andrews, Edward D., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Container loading machine having automatic carton ejector. 2,578,277, Dec. 11.
Anke, Rudolph, West Lawn, assignor to Textile Machine Works, Wyomissing, Pa. Full-fashioned knitting machine and operating the same. 2,578,164, Dec. 11.
Apex Electrical Manufacturing Company, The, assignee: *See*—
Archbold, Ralph L.
Archbold, Ralph L., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Hydraulic counterweight. 2,578,278, Dec. 11.
Arma Corporation, assignee: *See*—
Agins, George.
Armco Steel Corporation, assignee: *See*—
McNabb, Carlos, Whitley, and Morrow.
Armour and Company, assignee: *See*—
Ralston, Anderson W., Barrett, and Segebrecht.
Armstrong, George A., Vancouver, British Columbia, Canada. Phase angle and power factor meter. 2,577,992, Dec. 11.
Armstrong Riding Car Operator Corp., assignee: *See*—
Armstrong, Westropp.
Armstrong, Westropp, Philadelphia, Pa., assignor to Armstrong Riding Car Operator Corp., Chicago, Ill. Elevator closure operating mechanism. 2,578,459, Dec. 11.
Arnolt Corporation, assignee: *See*—
Brown, William N.
Art Electrotype Company, The, assignee: *See*—
Schwarz, Howard G.
Arthuis, Albert R., Paris, France. Machine for testing tensile, compressive, bending, shearing, etc., strength of metals or other materials. 2,577,944, Dec. 11.
Ashbaugh, Norman R., Wichita, Kans. Hydraulic selector valve. 2,578,334, Dec. 11.
Ashlock, George W., Jr., Oakland, Calif. Apparatus and method for the preparation of pimento. 2,578,496, Dec. 11.
Ashworth, Rawden, Greenmount, near Bury, England. Attachment of soles to footwear. 2,578,218, Dec. 11.
Aspinook Corporation, The, assignee: *See*—
Farnsworth, Edwin, and Wood.
Asselin, George F., Kankakee, and L. F. Audrieth, Urbana, Ill., assignors to United States of America as represented by the Secretary of the Navy. Concentration of thorium. 2,578,623, Dec. 11.
Aston, Jack B., Rittman, Ohio. Electrically heated lunch kit. 2,577,870, Dec. 11.
Ateliers de Construction Lavalette, assignee: *See*—
Lagardelle, Germain.
Atherton, Harold S., Detroit, Mich. Plaster or bandage for skin application. 2,577,945, Dec. 11.
Atlantic Refining Company, The, assignee: *See*—
Clarke, Edgar W.
Aubrey, Richard, Jr., Boardman Township, Mahoning County, and A. A. Chambers, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Apparatus for transversely testing cylindrical members. 2,578,031, Dec. 11.
Audrieth, Ludwig F.: *See*—
Asselin, George F., and Audrieth.
Augustine, Roy W., Oak Park, and J. F. Houdek, Jr., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Variable percussion hermetically sealed electromagnetic call-signal device. 2,578,032, Dec. 11.
Austin, Glen L., and E. B. Byrd, Happy, Tex. Posthole auger. 2,578,033, Dec. 11.
Automatic Electric Laboratories, Inc., assignee: *See*—
Montani, Angelo.
Sengebusch, Hans.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Jones, Eric W., and Pearce.
Automotive Spring Company, assignee: *See*—
Heuer, Lawrence H.
Avco Manufacturing Corporation, assignee: *See*—
Bavlo, Arthur D.
Holst, Paul F. G., and Nelson.
Wissel, Francis A.
Babin, Lionel J., assignee: *See*—
Babin, Lionel J., Jr.

Babin, Lionel J., Jr., assignor of eighty-five per cent to L. J. Babin, and fifteen per cent to D. Melancon, Houma, La. Awning clip. 2,578,460, Dec. 11.

Baccei, Aldo E. and G. F., Woodland, Calif. Disk harrow squad hitch. 2,577,993, Dec. 11.

Baccei, Guido F.: *See*—
Baccei, Aldo E. and G. F.

Bachman, Carl O., Watertown, N. Y. Winding machine. 2,578,461, Dec. 11.

Back, Frank G., New York, and H. Lowen, Forest Hills, N. Y.; said Lowen assignor to said Back. Three-component lens system of the petzval type. 2,578,624, Dec. 11.

Bailey, Arthur J.: *See*—
Bonnell, Gordon H., Bailey, and Garlick.

Bailey, Carl W., Concrete, Wash. Concrete fence post. 2,578,165, Dec. 11.

Bailey, Edward T. W., Hamilton, Ontario, Canada. Flame divergence controlling means for fuel oil burners. 2,578,121, Dec. 11.

Bailey Meter Company, assignee: *See*—
Barnard, Clayton H.

Bailey, Roy W., and J. T. Faull, assignors to Detroit Power Screwdriver Company, Detroit, Mich. Injector mechanism. 2,577,946, Dec. 11.

Baizer, Manuel M., Flushing, assignor to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y. Manufacture of dihydroisocodeine. 2,577,948, Dec. 11.

Baizer, Manuel M., Flushing, N. Y., and R. P. Williams, Englewood, N. J., assignors to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y. Manufacture of dihydrocodeinone. 2,577,947, Dec. 11.

Bakke, Olaf: *See*—
Selinger, Anton, and Bakke.

Baldwin, John D., Jr., South Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Stamped valve handle. 2,577,838, Dec. 11.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Hyde, Lawrence K.

Ballard, Seaver A.: *See*—
Morris, Rupert C., Buls, and Ballard.

Ballew, Frank E., Woodland, Mich. Road marker. 2,578,497, Dec. 11.

Baltzell, Charles W., assignee: *See*—
Baltzell, Walter C.

Baltzell, Walter C., assignor of one-fifth to C. W. Baltzell, Dallas, Tex. Electrical cooking apparatus. 2,578,034, Dec. 11.

Barber-Colman Company, assignee: *See*—
Kennedy, Walter W.

Bard, F. N., assignee: *See*—
Clark, Robert S.

Bardwell, Martin W., Syracuse, N. Y. Portable power wrench. 2,578,279, Dec. 11.

Barnard, Clayton H., South Euclid, Ohio, assignor to Bailey Meter Company. Tubing bundle or cluster. 2,578,280, Dec. 11.

Barrett, John P.: *See*—
Ralston, Anderson W., Barrett, and Segebrecht.

Barrett, Joseph C., Philadelphia, Pa. Body supporting seat. 2,577,949, Dec. 11.

Bashover, Albert, assignor to Conmar Products Corporation, Newark, N. J. Lockable slide fastener. 2,578,035, Dec. 11.

Bass, John, New York, N. Y. Combination camera and developer. 2,578,498, Dec. 11.

Bastow, George E., Amherst, Mass. Combination billfold and coin purse. 2,578,390, Dec. 11.

Bauer, Earl W., assignor to Wagner Electric Corporation, St. Louis, Mo. Surge insulation tester. 2,578,499, Dec. 11.

Bauer, William V., New York, N. Y., assignor to Stauffer Chemical Company. Carbon bisulfide retort. 2,577,729, Dec. 11.

Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Two-part connector and cam means for forcing the two parts into engagement. 2,577,871, Dec. 11.

Baylor, Arthur D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Multiband oscillator. 2,578,335, Dec. 11.

Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Halogenation of n-methyl-4-aminophenol. 2,578,281, Dec. 11.

Beaudet, Telesphore J., Glen Ellen, assignor to S. S. Townsend, Piedmont, and C. E. Townsend, Jr., Oakland, Calif. Juice extracting device. 2,578,122, Dec. 11.

Beaver Pipe Tools, Inc., assignee: *See*—
Pealer, Robert B.
Shafer, Clarence W.

Beck, Hugo M.: *See*—
Faust, William R., and Beck.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastening device. 2,578,639, Dec. 11.

Behr, Leo J., Bridgeport, Conn. Shopping bag and pants hanger. 2,578,391, Dec. 11.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Doba, Stephen, Jr.
Ekvall, Adolph C.
Gannett, Danforth K.
Hampton, Leon N., Mesch, and Obst.
Mohr, Milton E.
Mott, Edward E.
Peck, Donald S.
Pfann, William G.

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.

Bendeler, William, and C. Howard, Oklahoma City, Okla. Overshot. 2,577,994, Dec. 11.

Bendersky, David, and F. H. Gage, Kansas City, and W. M. Yocum, Independence, Mo., assignors, by mesne assignments, to Viking Corporation, Hastings, Mich. Spray nozzle. 2,578,392, Dec. 11.

Bendfelt, Herbert A., Oak Park, assignor to Mills Industries, Incorporated, Chicago, Ill. Film tensioning apparatus. 2,578,123, Dec. 11.

Bendix Aviation Corporation, assignee: *See*—
Perkins, Corles M., and MacCallum.

Benedict, Manson, Westfield, J. B. Wagstaff, Ridgewood, and G. B. Webb, Westfield, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Iron oxide reduction. 2,577,730, Dec. 11.

Benello, Egidio M.: *See*—
Gerlach, Hugo, and Benello.

Berger, François C. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. High-frequency traffic system over power supply lines. 2,577,731, Dec. 11.

Berke, John A., Dallas, Tex. Device for fueling large aircraft. 2,578,036, Dec. 11.

Berlant Associates, assignee: *See*—
Berlant, Emmanuel.

Berlant, Emmanuel, Culver City, assignor to Berlant Associates, Los Angeles, Calif. Microfilm camera. 2,578,037, Dec. 11.

Bernard, George G., and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Studying earth formations employing carbon disulfide as a tracer. 2,578,500, Dec. 11.

Berndsen, William E., Cleveland, Ohio. Adjustable flow fountain type washer device. 2,577,872, Dec. 11.

Berry, James H. and M. F., Eureka, Calif. Hat. 2,578,219, Dec. 11.

Berry, Marguerite F.: *See*—
Berry, James H. and M. F.

Best Foods, Inc., The, assignee: *See*—
Vahlteich, Hans W., Gooding, and Neal.

Bevarly, Henry W., assignor to The Girdler Corporation, Louisville, Ky. Apparatus for treating materials. 2,578,393, Dec. 11.

Bill, Clifford E., Louisville, Ky., assignor to General American Transportation Corporation, Chicago, Ill. Rotary drier. 2,578,166, Dec. 11.

Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Handling apparatus. 2,578,220, Dec. 11.

Bird, William B.: *See*—
McPherson, Alexander, and Bird.

Birkebak, Christian A., Detroit, Mich. Machine for assembling pistons to wrist pins and connecting rods. 2,578,124, Dec. 11.

Bishop & Babcock Manufacturing Company, The, assignee: *See*—
Marette, Ralph T.

Björklund, Gustaf E., Stockholm, and J. E. H. Westberg, Malarhojden, assignors to Aktiebolaget Dentatus, Jakobsdal, Aspudden, Sweden. Grinding wheel and producing same. 2,578,167, Dec. 11.

Black & Decker Manufacturing Company, The, assignee: *See*—
Merrill, Cy R.

Blackman, Stanley, Brooklyn, N. Y., assignor to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Hypodermic syringe. 2,578,394, Dec. 11.

Blackmore, Joseph J.: *See*—
Mayer, Albert C., and Blackmore.

Blaw-Knox Company, assignee: *See*—
Brown, Ely E., and Miller.
Sarosdy, Louis J.

Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Spinning viscose. 2,577,732, Dec. 11.

Bliss, Lester E., assignor to Eastman Kodak Company, Rochester, N. Y. Protective layer for finished photographic film. 2,578,282, Dec. 11.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Resinous copolymerization products. 2,578,168, Dec. 11.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Copolymers of an ehtylenically unsaturated compound with a polyolefinic cyclic hydrocarbon. 2,578,169, Dec. 11.

Block & Anderson Limited, assignee: *See*—
Gerlach, Hugo, and Benello.

Blumenfeld, Joseph, assignee: *See*—
Kaczalskli, Efraim.

Boax, John J., McKeesport, Pa. Hair singeing apparatus. 2,577,839, Dec. 11.

Bodmer, Ernest, Grand-Lancy-Geneve, assignor to Tarex S. A., Geneva, Switzerland. Automatic screw-cutting lathe. 2,578,221, Dec. 11.

Boeck, Frank W.: *See*—
Holgaard, Cyrus J., and Boeck.

Boegel, Maurice J.: *See*—
Hirsch, Joel H., and Boegel.

Bohmer, Clarence I., assignor to The Jaeger Machine Company, Columbus, Ohio. Shutoff gate for the open end of transit mixers. 2,578,170, Dec. 11.

Bolger, Joseph A., Philadelphia, Pa. Hooked rug making device. 2,578,038, Dec. 11.

Bonnell, Gordon H., A. J. Bailey, and G. G. Garlick, assignors to Protection Products Manufacturing Company, Kalamazoo, Mich. Tank for use in impregnating wood. 2,578,039, Dec. 11.

Bonnet, Maurice, assignor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France. Lathe for engraving cylindrical surfaces, with self-rectification. 2,578,222, Dec. 11.

Boosinger, Thomas H., Glenolden, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuel trap for combustion apparatus of gas turbine engines 2,578,501, Dec. 11.

Booth, Robert B., Springdale, and N. Morash, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Method of and circuit for material modification and coolant clarification. 2,578,040, Dec. 11.

Border, Samuel L.: *See*—
Miller, Chant A., and Border.

Borg-Warner Corporation, assignee: *See*—
Gillespie, Daniel C.

Bornemann, William: *See*—
Tuttle, Fordyce E., and Bornemann.

Bornemann, William, and R. A. Gordon, assignors to Eastman Kodak Company, Rochester, N. Y. Take-up magazine for strip material. 2,578,283, Dec. 11.

Bowers, Kenneth, Hudson Falls, and T. E. Mason, assignors to Glens Falls Laboratory, Inc., Glens Falls, N. Y. Gloss meter. 2,578,625, Dec. 11.

Bowman, Ervin D. L., Fairview Park, Ohio. Warning signal system. 2,578,284, Dec. 11.

Bozarth, Harry, Muskogee, Okla. Cue tip trimmer. 2,577,995, Dec. 11.

Brady, Francis A., Canandaigua, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Stitchless wallet construction. 2,578,502, Dec. 11.

Brandenberger, Jacques E., Paris, France, assignor to Societe La Cellophane (Swisse), Basel, Switzerland. Apparatus for wrapping plastic-confections. 2,578,626, Dec. 11.

Brandwein, A., & Company, assignee: *See*—
Rozwens, Joseph M.

Brange, Lennart B. V., and B. E. Sjöstrand, Boras, Sweden. Shaving apparatus. 2,577,873, Dec. 11.

Braun, Ottwin L., Pittsburgh, assignor to Reliance Steel Products Company, McKeesport, Pa. Road rail. 2,577,996, Dec. 11.

Brent, George D. P., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Apparatus for applying a primer coating to the stems of flash lamps. 2,578,627, Dec. 11.

Bridges, John H., Fairburn, Ga., assignor to National Inventions Corporation. Transformer. 2,577,733, Dec. 11.

Brinker, Howard C., South St. Paul, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Plasticized polyvinyl acetate emulsion. 2,577,734, Dec. 11.

Bristol Laboratories, Inc., assignee: *See*—
Cooper, Douglas E.
Granatek, Alphonse P.

Brooker, Leslie G. S.: *See*—
Heseltine, Donald W., and Brooker.

Brooks, Wesley W., Fort Wayne, Ind., assignor to General Electric Company. Electrical ballast. 2,578,395, Dec. 11.

Broomell, George L., Jr., Lower Gwynedd Township, Montgomery County, assignor to Leeds and Northrup Company, Philadelphia, Pa. Consecutive ratio recorder. 2,577,735, Dec. 11.

Brotman, Hyman D., Detroit, Mich, assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Closure for washing machine cylinders. 2,578,125, Dec. 11.

Brown, Clyde A., assignor to The Dole Valve Company, Chicago, Ill. Valve and sealing structure therefor. 2,578,396, Dec. 11.

Brown, Ely E., and E. Miller, Portsmouth, Ohio, assignors to Blaw-Knox Company, Pittsburgh, Pa. Water-cooled furnace door. 2,577,736, Dec. 11.

Brown, Graham B., Youngstown, Ohio. Parachute pack. 2,577,737, Dec. 11.

Brown, William N., Winona Lake, assignor to Arnolt Corporation, Warsaw, Ind. Furniture construction. 2,578,397, Dec. 11.

Brunner, Devona A., assignor of one-half to H. Brunner, Chicago, Ill. Hairpin organizer. 2,578,223, Dec. 11.

Brunner, Howard, assignee: *See*—
Brunner, Devona A.

Bub, Robert A., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Combination welder's face shield and helmet. 2,578,171, Dec. 11.

Bucyrus-Erie Company, assignee: *See*—
Thierry, John A.

Buder, Spurgeon H.: *See*—
Greenleaf, Francis D., Seeberger, and Buder.

Bullock, Edward A., Detroit, Mich., assignor, by mesne assignments, to National Advertising Company, Westminster, Md. Sign projection apparatus. 2,578,336, Dec. 11.

Buls, Vernon W.: *See*—
Morris, Rupert C., Buls, and Ballard.

Bundick, Clarkson U.: *See*—
Goodale, Elmer D., and Bundick.

Bundy, Francis P., Alplaus, and H. M. Strong, Schenectady, N. Y., assignors to General Electric Company. Apparatus for measuring gas velocity in flames. 2,578,398, Dec. 11.

Burnham, Robert R., Buffalo, A. T. Anderson, Tonawanda, and A. M. Matheson, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Compositions for use in treating fibrous materials to impart water repellency. 2,577,840, Dec. 11.

Burrichter, Thomas G., Chicago, Ill. Electrical switch means. 2,578,503, Dec. 11.

Burton, Russell I., Richmond, Ind. Trap tunnel. 2,578,172, Dec. 11.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Internally expanding brake assembly. 2,578,285, Dec. 11.

Byram, Harry A., Los Angeles, Calif., assignor, by decree of distribution, to G. N. Freeman and M. A. Nier. Casement window hinge. 2,577,738, Dec. 11.

Byrd, Earl B.: *See*—
Austin, Glen L., and Byrd.

C. D. Patents Limited, assignee: *See*—
Jennings, Raymond J. S., and Williams.

Cade, Phillip J.: *See*—
MacDougall, Donald J., and Cade.

Cadman, Coin Q., Silver City, N. Mex. Portable golf ball washer having a brush and a liquid reservoir. 2,578,224, Dec. 11.

Caldecourt, Victor J.: *See*—
Saunderson, Jason L., Caldecourt, and Peterson.

Calfee, John D.: *See*—
Florio, Patrick A., and Calfee.

California Research Corporation, assignee: *See*—
Elwell, William E.
Haynor, Robert L.
Miller, Robert J., and Condit.
Parker, Frank M.
Toland, William G., Jr.

Candioto, Thomas E., New Castle, Pa. Artificial bait. 2,578,041, Dec. 11.

Canter, George G., New York, N. Y. Bag seal. 2,578,504, Dec. 11.

Carlin, Benson, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Supersonic agitation. 2,578,505, Dec. 11.

Carmick, Louis G., Jr.: *See*—
Watts, William S., and Carmick.

Carnahan, Raymond, Magnolia, Ark. Jack with bladder motor. 2,577,874, Dec. 11.

Carnes, Julian E., Jr., Charlotte, N. C. Needle replacement tool for circular knitting machines. 2,578,506, Dec. 11.

Carrier Corporation, assignee: *See*—
McGrath, William L.

Carroll, Clarence W., assignee: *See*—
Pease, Charles H.

Carter, John E., Columbus, Ohio. Traffic lane marker strip. 2,577,997, Dec. 11.

Carter, John E., Columbus, Ohio. Vertical joint sealing strip for concrete slab road pavements. 2,577,998, Dec. 11.

Castino, Harry L.: *See*—
Evanoff, John, and Castino.

Cavanagh, John F., assignor to M. L. Grant, Providence, R. I. Coin collector and register. 2,578,226, Dec. 11.

Celanese Corporation of America, assignee: *See*—
Dodge, Frederick G.
Taylor, Matthew M.

Celotex Corporation, The, assignee: *See*—
Muench, Carl G.

Centrifuge Mechanical Equipment, Inc., assignee: *See*—
Smith, John D. L.

Century Electric Company, assignee: *See*—
O'Daniel, Clarence.

Chambers, Alfred A.: *See*—
Aubrey, Richard, Jr., and Chambers.

Chambers Corporation, assignee: *See*—
Chambers, John E.

Chambers, John E., Shelbyville, Ind., assignor to Chambers Corporation. Rotatable burner support. 2,578,227, Dec. 11.

Chandler, Alanson W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Automatic change-over and indicator valve. 2,578,042, Dec. 11.

Charipar, Louis J., Chicago, Ill. Tool. 2,578,126, Dec. 11.

Chatelet, Henri J. G., Puteaux, and H. Michellet, Paris, France. Electromagnetic change-speed mechanism for automotive vehicles. 2,578,399, Dec. 11.

Chicago Aerial Survey Co., assignee: *See*—
Monk, George S.

Chicago Bridge & Iron Company, assignee: *See*—
Moyer, Frederick D.

Chichester, Irving F., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Ornamental necktie clasp. 2,578,507, Dec. 11.

Chichester, Irving F., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Ornamental necktie clasp. 2,578,508, Dec. 11.

Chichester, Irving F., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Ornamental necktie clasp. 2,578,509, Dec. 11.

Chisholm, Clifton, assignor of one-half to H. C. Osborn, Cleveland, Ohio, and one-fourth to M. F. Chisholm. Keyboard operated printing machine. 2,578,286, Dec. 11.

Chisholm, Marie F., assignee: *See*—
Chisholm, Clifton.

Christensen, Niels A., South Euclid, Ohio. Reversing valve. 2,577,999, Dec. 11.

Christy, Alexander C., Morgantown, W. Va. Electrovibrant high-voltage supply. 2,578,043, Dec. 11.

Chrysler Corporation, assignee: *See*—
Butterfield, John P.
Iavelli, Teno.
Janeway, Robert N.
Janeway, Robert N., and Pretz.
Jones, Robert L., Jr.
Mayrath, Robert L.
Miller, John R.
Newton, Alwin B.
Nims, Paul T.
Slider, George.
Toot, David F.

Churchward, Ruth E., Boulder City, Nev., and F. K. Shelton, Kutch, Colo., assignors to the United States of America as represented by the Secretary of the Interior. Purification of cobalt sulphate solution. 2,577,739, Dec. 11.

Ciringione, Peter, Stoneham, Mass. Brassière. 2,577,842, Dec. 11.

Clark Controller Company, The, assignee: *See*—
Few, William.

Clark, Eugene F., Damariscotta, Maine, assignor to Marshall Field & Company, Chicago, Ill. Pile fabric. 2,578,173, Dec. 11.

Clark, Howard H., Kent, Ohio. Safety scaffold pole. 2,578,228, Dec. 11.

Clark, Robert H., assignee: *See*—
Wilson, Harry C.

Clark, Robert H., Denver, Colo. Combined fork and spoon. 2,578,287, Dec. 11.

Clark, Robert S., Albany, N. Y., assignor, by mesne assignments, to F. N. Bard, Chicago, Ill. Apparatus for indicating and recording the performance of electrically driven locomotives. 2,577,950, Dec. 11.

Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,578,510, Dec. 11.

Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,578,511, Dec. 11.

Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,578,512, Dec. 11.

Clemens, Milton: *See*—
Von Bramer, Harold, Magoffin, and Clemens.

Clement, Marcel R., Montreuil, and D. E. Germain, Paris, France. Draw plate. 2,578,229, Dec. 11.

Cleveland Automatic Machine Company, The, assignee: *See*—
Watcher, Albert K., and Dulaney.

Cline, Lester W.: *See*—
Ziskin, Manuel S., and Cline.

Cloud, Raymond T., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Pendulum compensator. 2,577,875, Dec. 11.

Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Vibrator. 2,578,640, Dec. 11.

Cocchiarella, Otell M.: *See*—
Smith, Edmund G., and Cocchiarella.

Cochran, Hewitt, executor: *See*—
Ionides, Margaret L., and Siple.

Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazleton, Pa. Apparatus for spinning and twisting textile yarns. 2,578,513, Dec. 11.

Cockbain, Ernest R.: *See*—
Meers, Cockbain, and Probert.

Coddington, Samuel H., Detroit, and W. Merry, River Rouge, Mich. Edging machine. 2,578,337, Dec. 11.

Codiga, Stephen M., Monterey, Calif. Milk can punch. 2,578,462, Dec. 11.

Cohn, Charles C., Elkins Park, Pa. Providing oxide coating on aluminum and its alloys. 2,578,400, Dec. 11.

Cohrt, Eigil, Copenhagen, Denmark, assignor to International Standard Electric Corporation, New York, N. Y. Telephone exchange system. 2,577,740, Dec. 11.

Coleman, Edwin D., Maywood, Ill. Electrode structure. 2,578,044, Dec. 11.

Collins, Edgar V., assignor to Iowa State College Research Foundation, Ames, Iowa. Earth terracer with variable-speed transmission. 2,578,127, Dec. 11.

Collins, Edgar V., assignor to Iowa State College Research Foundation, Ames, Iowa. Earth-moving apparatus. 2,578,128, Dec. 11.

Collins Radio Company, assignee: *See*—
Shanklin, John P.

Colombu, Eugene: *See*—
Pierrat, Paul, and Colombu.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Williams, Arthur.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Grivet, Pierre.

Compule Corporation, The, assignee: *See*—
Lockhart, Marshall L.

Condit, Paul C.: *See*—
Miller, Robert J., and Condit.

Conklin, Oliver E., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Film registration device. 2,578,514, Dec. 11.

Conmar Products Corporation, assignee: *See*—
Bashover, Albert.
Moehler, Otto J.

Connolly, Thomas L., assignee: *See*—
Headrick, Lester L.

Conrad, John S., Sturbridge, and O. C. Frans, Southbridge, Mass. Fly tying device. 2,578,045, Dec. 11.

Consolidated Water Power & Paper Company, assignee: *See*—
Fisher, Harry C., and Sooy.

Consolidated Western Steel Corporation, assignee: *See*—
De Camp, Ray E., and Hereford.

Continental Silver Co. Inc., assignee: *See*—
Ruben, August.

Cook, James W., Waltham, Mass. Test adapter. 2,578,288, Dec. 11.

Cooper, Benjamin, New York, and S. A. Kroll, Brooklyn, N. Y., said Kroll assignor to said Cooper. Vehicle detecting device. 2,578,046, Dec. 11.

Cooper, Douglas E.: *See*—
McDuffie, Harold F., Jr., and Cooper.

Cooper, Douglas E., assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Bicyclohexylamine salt of penicillin. 2,578,641, Dec. 11.

Copper Clad Products Inc., assignee: *See*—
Schoor, Samuel.

Corey, James J., Elmhurst, N. Y. Bubbler outlet and deflection plate for water coolers. 2,578,047, Dec. 11.

Cortsen, Eiler J., Copenhagen, Denmark. Retractable wheel arrangement for baggage. 2,577,951, Dec. 11.

Court, Jean: *See*—
Robert, Ramon C., and Court.

Courtaulds Limited, assignee: *See*—
Weigham, William R., Field, and Dunton.

Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Fastening bolt with swinging head. 2,578,515, Dec. 11.

Crane, Walton B., Beverly Hills, assignor to Alpak, Los Angeles, Calif. Cellular container. 2,578,174, Dec. 11.

Cranmer, Richard S., Wyncote, assignor to Philco Corporation, Philadelphia, Pa. Phonograph control arrangement. 2,577,876, Dec. 11.

Craven, Robert L., Westfield, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Paraformaldehyde production with countercurrent concentration. 2,578,338, Dec. 11.

Crawford, Howard H., assignee: *See*—
Mennie, Edward W.

Creagmile, John C., Walnut Creek, Calif. Wheel alignment gauge. 2,577,841, Dec. 11.

Creveling, Catherine B., and E. V. Pennell, Patterson, N. Y. Convertible hassock and bed. 2,577,741, Dec. 11.

Croce, Santy M., Uniondale, assignor to The Wescot Development Corporation, Brooklyn, N. Y. Atomizer. 2,578,463, Dec. 11.

Cronk, George W., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water tank for concrete mixers. 2,578,000, Dec. 11.

Crosby, Melvin A., and E. L. Luaces, Dayton, Ohio, assignors to The Dayton Rubber Company. Manufacturing wire cord. 2,577,843, Dec. 11.

Crow, Cecil F., Klamath Falls, Oreg. Work guide for woodworking machines and the like. 2,578,516, Dec. 11.

Cruz, Mamerto M., Jr., assignor to American Viscose Corporation, Wilmington, Del. Production of carboxyethyl celluloses. 2,577,844, Dec. 11.

Cubberley, Richard H., Madison, L. P. Hill, Ridgewood, and W. J. Mohr, Clifton, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y. Asphalt-base laminating adhesive. 2,578,001, Dec. 11.

Cumpston, Edward H., Jr., Rochester, N. Y. Mechanism for feeding rotary tool spindles of drill presses and the like. 2,578,464, Dec. 11.

Cunningham, Joseph C., Baltimore, Md. Can opener. 2,578,401, Dec. 11.

Cuozzi, Connie, New York, N. Y., assignor, by mesne assignments, to I. N. Epstein. Bust support or brassière. 2,578,175, Dec. 11.

Cuthbert, Alexander F., Lynn, Mass. Sealing gasket. 2,578,339, Dec. 11.

Dager, Albert, Los Angeles, Calif. Sheet collator. 2,578,176, Dec. 11.

Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Spray gun. 2,578,402, Dec. 11.

Dalton, Robert A., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Combined printer and drier for planographic printing plates. 2,578,048, Dec. 11.

D'Amico, Carman, assignee: *See*—
Parisotto, Henry S.

Danelon, Luigi, Aosta, Italy. Variable-speed transmission mechanism. 2,578,403, Dec. 11.

Daniels, Gordon E., Nashville, Tenn. Dirt scraping apparatus. 2,577,877, Dec. 11.

Danielson, Albert, South Gate, Calif. Fishhook remover. 2,578,289, Dec. 11.

Dapprich, William R., Mount Lebanon, Pa. Refrigeration device. 2,578,049, Dec. 11.

Daugherty, Thomas, Tulsa, Okla. Cooking oil filtering apparatus. 2,578,129, Dec. 11.

Davidson, Norman R.: *See*—
Fried, Sherman, and Davidson.

Davis, Augustine, Jr., and J. A. Nichols, assignors to Davisbilt Steel Joist, Inc., Washington, D. C. Metal joist. 2,578,465, Dec. 11.

Davis, Carroll V., Holabird, S. Dak. Fencing tool. 2,578,230, Dec. 11.

Davis, Enoch A., Seattle, Wash. Disk plow. 2,577,952, Dec. 11.

Davis, Ernest W., River Forest, Ill. Coupler for lubricating apparatus. 2,578,517, Dec. 11.

Davisbilt Steel Joist, Inc., assignee: *See*—
Davis, Augustine, Jr., and Nichols.

Dayton Rubber Company, The, assignee: *See*—
Crosby, Melvin A., and Luaces.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Selector switch brush unit assembly. 2,577,742, Dec. 11.

De Camp, Ray E., Glendale, and R. Hereford, Pasadena, assignors, by mesne assignments, to Consolidated Western Steel Corporation, Los Angeles, Calif. Sliding door operating mechanism. 2,577,878, Dec. 11.

Deere Manufacturing Co., assignee: *See*—
Hanson, Paul L., and Fletcher.

Dehmel, Richard C., Short Hills, N. J. Training apparatus for simulating flight indicating instruments. 2,578,177, Dec. 11.

De Jur-Amsco Corporation, assignee: *See*—
Moomaw, Lewis H.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Hot water heating system and control therefor. 2,578,340, Dec. 11.

Delf, George A., Creve Cour, and R. E. Kortum, Robertson, Mo. Window fan assembly with width-adjustment provision. 2,577,845, Dec. 11.

De Long, Chancey E., Freeland, assignor to The Dow Chemical Company, Midland, Mich. Method and composition for production of cellular thermoplastic products. 2,577,743, Dec. 11.

Deming Company, The, assignee: *See*—
Shallenberg, Walter.

Denton, John J., Bound Brook, and H. W. Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Piperazine oxides and preparing the same. 2,578,053, Dec. 11.

Derbyshire, Henry G., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Azathiazolone cyanine dyes and their preparation. 2,578,178, Dec. 11.

De Stoutz, William P., Lausanne, Switzerland. Apparatus for treating liquids with radiation. 2,577,879, Dec. 11.

Deters, Elmer M., assignor to Red Jacket Manufacturing Co., Davenport, Iowa. Automatic air volume control for liquid supply systems. 2,578,050, Dec. 11.

Detroit Power Screwdriver Company, assignee: *See*—
Bailey, Roy W., and Faull.

Detroit Stoker Company, assignee: *See*—
Wagner, Herbert L.

De Vries, Abraham and L., Amsterdam, Netherlands. Sash balancing mechanism. 2,577,953, Dec. 11.

De Vries, Louis: *See*—
De Vries, Abraham and L.

Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds containing a 4,6-dihydroxypyrimidine nucleus. 2,578,290, Dec. 11.

Dickson, David H., Jr., West Palm Beach, Fla. Boat fender. 2,578,291, Dec. 11.

Dimitruk, Charles F., Ansonia, Conn. Device for cutting bottle seals. 2,578,404, Dec. 11.

Di Pietro, Louis J., Waterbury, Conn. Nail set. 2,577,954, Dec. 11.

Ditz, Charles H., Watertown, and H. A. Hussey, Belmont, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Molding composition for battery containers. 2,578,518, Dec. 11.

Dixon, Leslie G., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Tuning control mechanism. 2,577,955, Dec. 11.

Doba, Stephen, Jr., Whippany, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized feedback amplifier. 2,578,341, Dec. 11.

Dodelin, Frederick A.: *See*—
Ferguson, George E., and Dodelin.

Dodge, Floyd L., assignor to The Wade Tool Co., Waltham, Mass. Collet structure. 2,578,642, Dec. 11.

Dodge, Frederick G., Cumberland, Md., assignor to Celanese Corporation of America. Apparatus for tentering. 2,577,880, Dec. 11.

Dole Valve Company, The, assignee: *See*—
Brown, Clyde A.

Donlon, Peter D.: *See*—
Thornton, John W., and Donlon.

Donovan, Thomas S., Ontario, assignor to Eastman Kodak Company, Rochester, N. Y. Disodium-N,N'-dimethyl-p-phenylenediaminomethane sulfonate and preparation. 2,578,292, Dec. 11.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car door latching means. 2,578,231, Dec. 11.

Double, Clyde W., Crafton, Pa. Tape dispenser. 2,578,519, Dec. 11.

Dow Chemical Company, The, assignee: *See*—
De Long, Chancey E.
Pye, David J., and Joseph.
Saunderson, Jason L., Caldecourt, and Peterson.

Downie, Emerson G., Fort Wayne, Ind., assignor to General Electric Company. Magnetic amplifier. 2,578,405, Dec. 11.

Dowty Equipment Limited, assignee: *See*—
Nicholl, Edward J.

Doyle, Frank B., Trenton, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device for food processing apparatus. 2,578,179, Dec. 11.

Dozier, William F.: *See*—
Stephenson, Robert M., Dozier, and McCoy.

Drake, Robert W., Tulsa, Okla. Eccentric ball valve for high-pressure lines. 2,577,725, Dec. 11.

Drexel Furniture Company, assignee: *See*—
Early, William A.

Drury, Carroll L. H.: *See*—
Flanders, Ernest V., and Drury.

Duchêne, Roger, assignor to Gaz de France, Ex Compagnie du Gaz de Paris, Paris, France. Method and apparatus for heating by the laminar combustion of gas in the interior of dull radiation tubes. 2,578,520, Dec. 11.

Dugas, Joseph J., New Orleans, La., assignor to Higgins Industries, Inc. Securing clip for wall panels. 2,577,881, Dec. 11.

Dulaney, William B.: *See*—
Watcher, Albert K., and Dulaney.

Dunlap, Henry L.: *See*—
Schueder, George, Dunlap, and Gavagan.

Dunn, Ted E.: *See*—
Wald, Sidney, and Dunn.

Dunn, William M., assignor to Alvis Limited, Coventry, England. Truck. 2,578,232, Dec. 11.

Dunton, Francis G.: *See*—
Weigham, William R., Field, and Dunton.

Duplan Corporation, The, assignee: *See*—
Cochran, John K.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Conklin, Oliver E.
Craven, Robert L.
Edgar, Donald E.
Evans, George L.
Llewellyn, Walter E.

Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 4,4-diphenyl-2,5-oxazolidinedione. 2,578,293, Dec. 11.

Dutro, Orville V., La Canada, Calif., assignor to Time, Inc., New York, N. Y. Blanket clamp for blanket cylinders of printing presses. 2,578,406, Dec. 11.

Early, William A., assignor of one-third to Kent-Coffey Manufacturing Company, Lenoir, and one-third to Drexel Furniture Company, Drexel, N. C. Dovetailing machine. 2,578,521, Dec. 11.

Eastman Kodak Company, assignee: *See*—
Bean, Frederic R.
Bliss, Lester E.
Bornemann, William, and Gordon.
Dickey, Joseph B., and McNally.
Donovan, Thomas S.
Ernisse, Paul J.
Harrison, Henry.
Heseltine, Donald W.
Heseltine, Donald W., and Brooker.
Hull, David C.
Hunt, Clayton E., Jr.
Perry, Edmond S.
Schubert, Alvin E.
Sun, Kuan-Han, and Huggins.
Tuttle, Fordyce E., and Bornemann.
Von Bramer, Harold, Magoffin, and Clemens.
Yule, John A. C.

Eberling, Dolph G. P., Troy, N. Y., assignor to General Electric Company. Making cast Alnico magnets. 2,578,407, Dec. 11.

Edgar, Donald E., Westport, Conn., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing unsupported films of polytetrafluoroethylene. 2,578,522, Dec. 11.

Edison, Thomas A., Incorporated, assignee: *See*—
Odell, Carl H., and Lewthwaite.
Somers, Richard M.
Tichenor, Robert L.

Edmunds, William J., St. Louis County, Mo. Fishing tackle holder. 2,578,181, Dec. 11.

Edvinsson, Anders G., Lerum, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Solid fuel furnace. 2,578,051, Dec. 11.

Edwards, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Scrubber with lining and paddles of rubbery materials. 2,578,180, Dec. 11.

Ek, Lester and W., and W. Grubb, Conrad, Mont. Underslung tire carrying frame. 2,578,466, Dec. 11.

Ek, William: *See*—
Ek, Lester and W., and Grubb.

Ekvall, Adolph C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Deflection coil assembly. 2,578,342, Dec. 11.

Ekvall, Adolph C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Deflection coil testing apparatus and method. 2,578,343, Dec. 11.

Electric & Musical Industries Limited, assignee: *See*—
Leyton, Eric M.

Electric Storage Battery Company, The, assignee: *See*—
Longaker, Edgar L.

Electro Manufacturing Corporation, assignee: *See*—
Schoenbrod, Leslie K.

Elite, sdruzene tovarny puncoch, narodni podnik, assignee: *See*—
Piller, Bohumil, Zmatlik, Pinkava and Starý.

Elliott, Howard A.: *See*—
Simpkins, Robert L., Materka, and Elliott.

Elsberg, John, New York, N. Y. Keyhole lock. 2,577,956, Dec. 11.

Elwell, William E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Producing 3,4-dimethyl 1-ethyl benzene. 2,578,294, Dec. 11.

Emanuelsson, Gunnar G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for generation and modulation of impulses. 2,578,467, Dec. 11.

Enginering and Research Corporation, assignee: *See*—
Greene, William L.

Enterprise Railway Equipment Company, assignee: *See*—
Dorey, George B.

Entsminger, Dallas E., Hilton Village, Va. Handle and brush holder for paint cans. 2,578,233, Dec. 11.

Epstein, Irving N., assignee: *See*—
Cuozzi, Connie.

Equipment Development Co., Inc., assignee: *See*—
Smith, Edmund G., and Cocchiarella.

Erickson, Lowell H., assignor to Marcellus S. Merrill, Denver, Colo. Electronic control. 2,578,525, Dec.

Ericson, Kurt E. A., Lerum, Sweden. Drawing board, book, or like. 2,578,524, Dec. 11.

Ermold, Edward, Company, assignee: *See*—
Rothman, Emil.

Ernisse, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Film take-up chamber for photographic apparatus. 2,578,295, Dec. 11.

Ernisse, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Lamp ejecting socket. 2,578,296, Dec. 11.

Esselstrom, Joel, Esse, Finland. Heating stove with hot cupboard. 2,578,408, Dec. 11.

Essex Wire Corporation, assignee: *See*—
Simpkins, Robert L., Materka, and Elliott.

Evanoff, John, and H. L. Castino, assignors of one-fourth to A. M. Ingebretson, Dishman, Wash. Load suspending vehicle body. 2,578,052, Dec. 11.

Evans, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pyrrolidine compounds and preparing same. 2,578,526, Dec. 11.

Evans, Orville L., and W. H. Warth, Rushville, Ind. Bagless golf cart. 2,578,409, Dec. 11.

Evans Products Company, assignee: *See*—
Schueder, George, Dunlap, and Gavagan.
Watts, William S., and Carmick.

Everett, William L., Wilmington, N. C. Fish and crab tongs. 2,578,344, Dec. 11.

Everitt, Philip F., and G. R. Jamieson, Seven Kings, England, assignors, by mesne assignments, to Kelvin & Hughes Limited. Sextant hatch. 2,578,234, Dec. 11.

Evershed & Vignoles Limited, assignee: *See*—
Marchment, William T.

Fagerstrom, Elmer L.: *See*—
Johnson, Arthur W. and Fagerstrom.

Farnsworth Research Corporation, assignee: *See*—
Halstead, William S.

Farnworth, Edwin, and G. H. Wood, Jr., Warwick, East Greenwich, R. I., assignors, by mesne assignments, to The Aspinook Corporation, Jewett City, Conn. Calender finishing nylon fabric. 2,577,957, Dec. 11.

Farquhar, A. B., Company, assignee: *See*—
Tranter, Watson W.

Farren, Leslie I., and N. E. Head, Sudbury, Wembley, and M. M. Levy, Earls Court, assignors to The General Electric Company, Limited, London, England. Electric pulse signaling system. 2,578,527, Dec. 11.

Faull, John T.: *See*—
Bailey, Roy W., and Faull.

Fauske, Sig C.: *See*—
Mahan, John E., and Fauske.

Faust, Delbert G., Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Fire extinguishing system. 2,577,744, Dec. 11.

Faust, William R., and H. M. Beck, Washington, D. C. Variable reactance decoupling circuit. 2,577,746, Dec. 11.

Federal Enterprises, Inc., assignee: *See*—
Gosswiller, Earl W.

Federal Telephone and Radio Corporation, assignee: *See*—
Pickles, Sidney B.

Ferguson, George E., Spring Valley, N. Y., and F. A. Dodelin, Glen Ridge, assignors to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 2,578,528, Dec. 11.

Ferguson, George E., Spring Valley, N. Y., and F. A. Dodelin, Glen Ridge, assignors to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 2,578,529, Dec. 11.

Ferguson, Harry, Inc., assignee: *See*—
Nelson, Noral A.

Ferris Instrument Laboratories, assignee: *See*—
Montcalm, Surrius R.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Extractive crystallization process. 2,578,054, Dec. 11.

Few, William, Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Phase shifting system. 2,578,235, Dec. 11.

Fibre Leather Manufacturing Corporation, assignee: *See*—
Lynam, Thornton L.

Field, John C.: *See*—
Weighan, William R., Field, and Dunton.

Field, Theophilus A., Jr., Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Dyeing vinyl resin textile articles. 2,577,846, Dec. 11.

Filiatreault, Willis J., assignor of one-half to A. T. Perbohner, Chicago, Ill. Open-ended ratchet wrench. 2,578,410, Dec. 11.

Findlow, Eric, assignor to Ernest Scragg & Sons Limited, Macclesfield, England. Spindle for textile machinery. 2,578,530, Dec. 11.

Fisher, Donald G., Petersham, Mass. Fishing lure. 2,578,411, Dec. 11.

Fisher, Emery J., Chicago, Ill. Spray gun for comminuted material and adhesive. 2,578,412, Dec. 11.

Fisher, Harry C., Cincinnati, and B. E. Sooy, Middletown, Ohio, assignors, by mesne assignments, to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Imprinting coatings on paper and paperboard. 2,578,345, Dec. 11.

Fisher, Roy R., Paris, Ky. Vertical vaporizer. 2,577,958, Dec. 11.

Flanders, Ernest V., and C. H. Drury, assignors to Jones & Lamson Machine Company, Springfield, Vt. Machine for grinding impeller bucket shanks. 2,578,531, Dec. 11.

Fleischer, Svend S. C., Charlottenlund, Denmark. Continuous centrifugal separator. 2,578,468, Dec. 11.

Fletcher, Edward H.: *See*—
Hanson, Paul L., and Fletcher.

Flores, Manuel G., Mexico City, Mexico. Apparatus for molding concrete floor slabs. 2,578,057, Dec. 11.

Florian, Berkeley J., Plantsville, and R. S. Florian, Southington, Conn. Mechanism for cutting sheet material. 2,578,346, Dec. 11.

Florian, Rodriguez S.: *See*—
Florian, Berkeley J. and R. S.

Florio, Patrick A., Woodside, and J. D. Calfee, Manhasset, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Purification of chlorocarbons. 2,577,847, Dec. 11.

Fonner, Dale E.: *See*—
Nicholls, Richard S., and Fonner.

Ford, Frank R., Sparkbrook, Birmingham, England. Pressure roller bending device for duplicating machines. 2,578,413, Dec. 11.

Ford, Richard H.: *See*—
Andrew, William K., Ford, and Just.

Ford, Thomas L., Tyler, Tex. Telescopic sight. 2,578,130, Dec. 11.

Forsberg, Clarence P., Brainerd, Minn. Fish lure. 2,578,532, Dec. 11.

Foster, John, assignor to B. & S. Massey Limited, Openshaw, Manchester, England. Forging press. 2,577,882, Dec. 11.

Foster, Lee, Berwyn, Ill. Cutter for solid carbon dioxide. 2,577,745, Dec. 11.

Foulds, John P., Revere, Mass., assignor to General Electric Company. Liquid irradiating apparatus. 2,578,414, Dec. 11.

Fourmanoit, Jean C. Brussels, Belgium. Treatment of metals. 2,577,883, Dec. 11.

Frank, Alexander, Palo Alto, Calif. Fluid drive. 2,578,055, Dec. 11.

Franklin, John S., West Lynn, Mass., assignor to General Electric Company. Liquid cooled lamp mount having one lamp terminal insulated from the cooling medium. 2,578,415, Dec. 11.

Franklin Research Company, assignee: *See*—
Hussey, James F., and Johnson.

Franz, Othmar C.: *See*—
Conrad, John S., and Franz.

Franzos, Wilhelm, assignee: *See*—
Gourevitch, Jacques.

Fredd, John V., assignor to Otis Pressure Control, Inc., Dallas, Tex. Tubing calipering device. 2,578,236, Dec. 11.

Freeman, Gertrude N., assignee: *See*—
Byram, Harry A.

French Oil Mill Machinery Company, The, assignee: *See*—
Stacy, Thomas F.

French, Walter P., assignor to Oil Center Tool Company, Houston, Tex. Combined tubing head and blowout preventer. 2,578,056, Dec. 11.

Fricano, Santo J., Inglewood, Calif. Skewer. 2,578,182, Dec. 11.

Fried, Sherman, Chicago, Ill., and N. R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Making neptunium chlorides. 2,578,416, Dec. 11.

Fryer, Louis S., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Method and an apparatus for blending viscose solutions. 2,578,002, Dec. 11.

Fürst, Anna P., Chicago, Ill. Insect swatter. 2,578,183, Dec. 11.

Gabrielson, Samuel I., Southport, Conn., assignor to General Electric Company. Reversing flume mechanism for clothes wringers. 2,578,417, Dec. 11.

Gage, Frank H.: *See*—
Bendersky, David, Gage, and Yocum.

Gagnaire, François, Lyon, France. Signal transmitting device for vehicles. 2,578,347, Dec. 11.

Gait, Arthur W. W., Eastcote, and C. W. Tapping, Ewell, England, assignors to The M-O Valve Company, Limited. Apparatus for coating indirectly heated cathodes. 2,578,418, Dec. 11.

Gannett, Danforth K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television noise measuring technique and apparatus. 2,578,348, Dec. 11.

Gannon, Roy C., Rivera, Calif. Combination earth scraper and scarifier. 2,578,131, Dec. 11.

Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Prevention of erosion by moving solids. 2,578,003, Dec. 11.

Garlick, Gardner G.: *See*—
Bonnell, Gordon H., Bailey, and Garlick.

Garrahan, Thomas F., Jr., Washington, D. C. Torque limiter. 2,578,533, Dec. 11.

Garrett, John R., Aurora, Ill. Feed control attachment for torches. 2,578,132, Dec. 11.

Garubo, Angelo T., Newark, N. J. Folding door. 2,577,884, Dec. 11.

Gasoline Research Industrial & Commercial Company, Inc., assignee: *See*—
Labour, Jean P.

Gattuso, Salvatore, Ozone Park, N. Y. Food storage device. 2,577,959, Dec. 11.

Gavagan, James: *See*—
Schueder, George, Dunlap, and Gavagan.

Gay Bell Corporation, assignee: *See*—
Gay, Jacob D., Jr.

Gay, Jacob D., Jr., Pine Grove, assignor to Gay Bell Corporation, Paris, Ky. Body lifting device. 2,577,885, Dec. 11.

Gaz de France, Ex Compagnie du Gaz de Paris, assignee: *See*—
Duchêne, Roger.

Geistweit, John D., assignor of one-third to O. H. Thomas, Williamsport, Pa. Fish net hanger. 2,578,237, Dec. 11.

General American Transportation Corporation, assignee: *See*—
Bill, Clifford E.

General Aniline & Film Corporation, assignee: *See*—
Derbyshire, Henry G.
Lambert, Joseph M.

General Electric Company, assignee: *See*—
Brooks, Wesley W.
Bundy, Francis P., and Strong.
Downie, Emerson G.
Ebeling, Dolph G. P.
Foulds, John P.
Franklin, John S.
Gabrielson, Samuel I.
Gittings, William N.
Lundy, Richard T.
Millar, Norval P.
Odenheimer, Jerome H.
Rex, Charles H.
Seely, Richard E.

General Electric Company, Limited, The, assignee: *See*—
Farren, Leslie I., Head, and Levy.

General Metals Corporation, assignee: *See*—
Van Der Werff, Jacob B.

General Radio Company, assignee: *See*—
Karplus, Eduard.

Gerber, Frank G.: *See*—
Krupp, Carroll P., and Gerber.

Gerdin, Sven G.: *See*—
Palme, Karl B., and Gerdin.

Gerlach, Carl J., Green Bay, Wis. Machine for packaging merchandise rolls. 2,578,297, Dec. 11.

Gerlach, Hugo, and E. M. Benello, assignors to Block & Anderson Limited, London, England. Moistener for hectograph duplicators. 2,577,886, Dec. 11.

Germain, Daniel E.: *See*—
Clement, Marcel R., and Germain.

Gibbons, James, Company, The, assignee: *See*—
Middlestadt, William F.

Gibian, Emil F., East Cleveland, assignor to Thompson Products, Inc., Cleveland, Ohio. Making turbine blades. 2,577,747, Dec. 11.

Gibson, Robert C., Birmingham, assignor to Parker Rust Proof Company, Detroit, Mich. Activation of oxalate metal coating compositions. 2,577,887, Dec. 11.

Gifford, Earl W., San Diego, Calif. Door latch and lock. 2,578,004, Dec. 11.

Giles, Jeremiah D., Litchfield, Conn., and R. J. Scott, Beverly Hills, Calif., assignors, by mesne assignment, to Tilo Roofing Company, Inc. Separator for electric storage batteries. 2,578,534, Dec. 11.

Gillespie, Daniel C., Oak Park, assignor to Borg-Warner Corporation, Chicago, Ill. Electrical connector. 2,577,748, Dec. 11.

Gilron Products Company, assignee: *See*—
Orozco, Gilbert H., and Roy.

Ginard, John A., New York, N. Y. Push-button biturn single-pole switch. 2,577,960, Dec. 11.

Girdler Corporation, The, assignee: *See*—
Bevarly, Henry W.

Gittings, William N., Oakmont, Pa., assignor to General Electric Company. Eccentric magnetic suspension. 2,578,419, Dec. 11.

Glasgow, Clarence O., assignor to National Tank Company, Tulsa, Okla. Pilot gas regulator. 2,578,005, Dec. 11.

Glens Falls Laboratory, Inc., assignee: *See*—
Bowers, Kenneth, and Mason.

Globe Company, The, assignee: *See*—
Triggs, Ronald G.

Goldman, Robert, Chicago, Ill. Automobile luggage and support therefor. 2,578,238, Dec. 11.

Goldsbarry, Albert W., Northbrook, and M. M. Tomaszewski, assignors to The Pure Oil Company, Chicago, Ill. Differential pressure distilling apparatus and method. 2,578,469, Dec. 11.

Goldsmith, Alfred N., New York, N. Y. Stereoscopic television system. 2,578,298, Dec. 11.

Goodale, Elmer D., New Rochelle, and C. U. Bundick, Scarsdale, N. Y., assignors to Radio Corporation of America. Camera attachment for holding an illuminated transparency in front of the camera lens. 2,578,420, Dec. 11.

Gooding, Chester M.: *See*—
Vahiteich, Hans W., Gooding, and Neal.

Goodrich, B. F., Company, The, assignee: *See*—
Ditz, Charles H., and Hussey.
Krupp, Carroll P., and Gerber.
Sears, Daniel S., and Newton.

Goodwin, Edwin C., Canton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dump valve for a circuit breaker pneumatic motor. 2,578,349, Dec. 11.

Gordon, Robert A.: *See*—
Bornemann, William, and Gordon.

Gorell, Frank, Penn Township, Allegheny County, and P. D. Pozzi, Heidelberg, assignors to Aluminum Fabricating Company of Pittsburgh, Pittsburgh, Pa. Seal for an auxiliary window frame and a main window sash. 2,578,470, Dec. 11.

Goslin-Birmingham Manufacturing Company, Inc., assignee: *See*—
Mair, James.

Goss Printing Press Company, The, assignee: *See*—
Worthington, Emory W., and Knell.

Gosswiller, Earl W., assignor to Federal Enterprises, Inc., Chicago, Ill. Enclosed rotating signal light. 2,578,239, Dec. 11.

Gould, William F.: *See*—
Hargreaves, Thomas F. S., and Gould.

Gourevitch, Jacques, Sevres, assignor to W. Franzos, Paris, France. Inductance device. 2,578,421, Dec. 11.

Graci, Anthony, Bronx, N. Y. Manually operated rotor oar for boats. 2,578,535, Dec. 11.

Graham, Dempsey E. and L., Amarillo, Tex. Closure operator for ditching wheel bucket backs. 2,578,058, Dec. 11.

Graham, Harold M., Kenmore, assignor to Graham Manufacturing Co., Inc., New York, N. Y. Heat interchanger. 2,578,059, Dec. 11.

Graham, Lattrell: *See*—
Graham, Dempsey E. and L.

Graham Manufacturing Co., Inc., assignee: *See*—
Graham, Harold M.

Granatek, Alphonse P., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Emetine penicillin. 2,578,536, Dec. 11.

Granatek, Alphonse P., assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Amine salt of penicillin. 2,578,537, Dec. 11.

Grant, Jesse R., Chicago, Ill. Egg case. 2,578,060, Dec. 11.

Grant, Max L., assignee: *See*—
Cavanagh, John F.

Graves, Frank R., Rochester, N. Y. Game board and chance means for simulated racing. 2,577,961, Dec. 11.

Gray, Robert C., Portland, Oreg. Combination salt and pepper shaker with concentrically arranged compartments. 2,578,538, Dec. 11.

Greathouse, Holly G., Dawes, W. Va. Pipe wrench having sliding link and pivoted jaw piece. 2,577,888, Dec. 11.

Green, George S., Cape Elizabeth, Maine, and L. F. Howatt, Belmont, Mass. Nonwarping trussed door. 2,578,240, Dec. 11.

Green, John R., Belvidere, Ill. Oil filler neck extension for automobile engines. 2,578,184, Dec. 11.

Green, Joseph F., Moline, Ill., assignor to Montgomery Elevator Company. Load limit control. 2,578,006, Dec. 11.

Green, Robert N., New York, N. Y. Aircraft cabin pressurizing. 2,578,539, Dec. 11.

Greenblatt, Morris J., Jacksonville, Fla. Combination tobacco pipe and igniter. 2,578,061, Dec. 11.

Greene, Harry S., Bryan, Ohio. Plumb bob shield. 2,578,062 Dec. 11.

Greene, William L., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Variable pitch propeller. 2,578,350, Dec. 11.

Greenleaf, Francis D., Oaklyn, L. M. Seeberger, Woodbury, and S. H. Buder, Merchantville, N. J., assignors to Radio Corporation of America. Protective circuit. 2,577,848, Dec. 11.

Griffin, James H.: *See*—
Waldron, Frederic B., and Griffin.

Griffin, James H., Moss Bank, St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Method and apparatus for grinding flat glass on both faces simultaneously. 2,577,889, Dec. 11.

Griffiths, Hugh M., Bradway, near Sheffield, assignor to Rip-Bits, Limited, Sheffield, England. Making rock drill bits. 2,578,351, Dec. 11.

Griswold, Stanley M., Newton, and H. C. Paulsen, Medford, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Making insole matrices. 2,577,749, Dec. 11.

Griswold, Stanley M., Newton, and H. C. Paulsen, Medford, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Matrix for use in making welt insoles. 2,577,750, Dec. 11.

Grivet, Pierre, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electron tube for operation with short waves. 2,578,471, Dec. 11.

Grubb, William: *See*—
Ek, Lester, W., and Grubb.

Grunkemeyer, Frank P., Morris, Ind. Shooting fly swatter. 2,578,352, Dec. 11.

Guanella, Gustav, Zurich, assignor to Patelhold Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Radio receiver for use on aircraft in the field of a rotating beam. 2,578,241, Dec. 11.

Guillot, Etienne J. F., Rives, France. Burner for liquid fuel operating under low air and fuel pressures. 2,578,422, Dec. 11.

Gulf Research & Development Company, assignee: *See*—
Hirsch, Joel H., and Boegel.

Gundlach, Theodore J., Belleville, Ill. Paired-roll crushers with peripheral sizing-pockets on each roll. 2,578,540, Dec. 11.

Gunnarson, John W., Los Angeles, Calif. Dispensing casing for collapsible tube, with roller-type squeezer for said tube. 2,578,472, Dec. 11.

Gussa, Arvin A., San Diego, Calif. Spring motor. 2,577,982, Dec. 11.

Haase, Gordon W., and L. D. Merkl, Appleton, Wis., said Merkl assignor to said Haase. Vending machine. 2,578,545, Dec. 11.

Hackmann, Johannes T., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Reacting rubbers with sulfur dioxide. 2,578,063, Dec. 11.

Hagopian, Haig A., Fresno, Calif. Barbecue grill. 2,577,963, Dec. 11.

Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Remote supervisory radio signaling system. 2,577,751, Dec. 11.

Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Card punch control system. 2,578,185, Dec. 11.

Ham, Garnet P., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Bacteria-resistant elastomers containing silvered anion-exchange resins. 2,578,186, Dec. 11.

Hamby, Walter W., Greensboro, N. C., assignor of one-fifth to I. C. Adams, Dalton, Ga. Tufting. 2,578,242, Dec. 11.

Hamilton Metal Products Company, The, assignee: *See*—
Piker, Herbert M.

Hammond Instrument Company, assignee: *See*—
Hanert, John M.

Hammond Iron Works, assignee: *See*—
Plummer, Fred L.

Hammond, John H., Jr., Gloucester, Mass. Automatic frequency corrected transmission system. 2,578,541, Dec. 11.

Hammond, John M., Glendale, assignor to H. J. Minkus, Los Angeles, Calif. Contractile reel for paper cutting machines. 2,578,084, Dec. 11.

Hampton, Leon N., New York, O. S. A. Mesch, St. Albans, and C. V. Obst, Richmond Hill, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical control device. 2,578,353, Dec. 11.

Hampton, Lucian W., Portland, Oreg. Load carrying attachment for bicycles, motorcycles, and the like. 2,578,243, Dec. 11.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Tone quality control circuit for electrical musical instruments. 2,577,752, Dec. 11.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument with tone sustaining means. 2,577,753, Dec. 11.

Hanson, Paul L., and E. H. Fletcher, Waterloo, assignors to Deere Manufacturing Co., Dubuque, Iowa. Fluid line coupling for hydraulic control systems. 2,578,542, Dec. 11.

Hardinge Company, Inc., assignee: *See*—
Hardinge, Harlowe.

Hardinge, Harlowe, assignor to Hardinge Company, Inc., York, Pa. Classifier. 2,577,754, Dec. 11.

Hardy, Peter S., Bridgeport, Conn. Automobile traction device. 2,577,890, Dec. 11.

Hardy, Peter S., Bridgeport, Conn. Elevating traveling conveyer. 2,577,891, Dec. 11.

Hargreaves, Thomas F. S., and W. F. Gould, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Alternating-current signaling system. 2,577,755, Dec. 11.

Harley, Alfred H., assignor to Harley Machine Company, Inc., Watertown, N. Y. Tape former apparatus. 2,578,473, Dec. 11.

Harley Machine Company, Inc., assignee: *See*—
Harley, Alfred H.

Harr, Herman H., Verona, N. J. Dispensing faucet. 2,578,543, Dec. 11.

Harr, Jesse, South Orange, N. J. Multiple liquid dispensing valve. 2,578,544, Dec. 11.

Harrington, Thomas T., Berkeley, Calif. Color television. 2,577,756, Dec. 11.

Harris, I. Henry, Jr., assignee: *See*—
Thacker, Bernard J., Harris, and Newstrom.

Harris, Scott C.: *See*—
Thacker, Bernard J., Harris, and Newstrom.

Harrison, Henry, assignor to Eastman Kodak Company, Rochester, N. Y. Vector analog computing mechanism. 2,578,299, Dec. 11.

Harrison, John K. M., Gainesville, Va. Paper container. 2,578,244, Dec. 11.

Harstine, John W., Dover, Ohio. Directional signal switch assembly for vehicles. 2,578,423, Dec. 11.

Hart, Parker E., New York, N. Y. Fishhook holder. 2,578,424, Dec. 11.

Hart, Robert W., United States Navy, Lynn, Mass. Very high-frequency radio receiving system. 2,577,757, Dec. 11.

Hartman, Joseph H., Norristown, Pa. Valve protector. 2,578,628, Dec. 11.

Hartman, Joseph H., Norristown, Pa. Valve protector. 2,578,629, Dec. 11.

Hartman, Joseph H., Norristown, Pa. Valve shank protector. 2,578,630, Dec. 11.

Hastings, Allen E., Washington, D. C. Frequency indicator. 2,577,758, Dec. 11.

Hatton, Arthur T., West Hartford, and E. K. Sprague, Woodbury, assignors to The Patent Button Company, Waterbury, Conn. Magnetic testing apparatus. 2,577,892, Dec. 11.

Hausman, Ward B., Philadelphia, Pa. Step printer. 2,578,300, Dec. 11.

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Riveting and like machines with pressure limiting mechanism. 2,578,546, Dec. 11.

Hawkins, James E., assignor, by mesne assignments, to Seismograph Service Corporation, Tulsa, Okla. System of seismic recording. 2,578,133, Dec. 11.

Haworth, Lionel, and C. B. Taylor, assignors to Rolls-Royce Limited, Derby, England. Torque meter in gear drives. 2,578,474, Dec. 11.

Haynor, Robert L., El Cerrito, assignor to California Research Corporation, San Francisco, Calif. 1,1,2,5-tetrachlorothiophane. 2,578,301, Dec. 11.

Hayslett, Lamar E., Kenmore, and F. M. Schmidt, assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Telemetering system. 2,578,643, Dec. 11.

Haseltine Research, Inc., assignee: *See*—
Dixon, Leslie G.
Loughlin, Bernard D.

Head, Norman E.: *See*—
Farren, Leslie I., Head, and Levy.

Headrick, Lester L., Mars, assignor of one-half to T. L. Connolly, Wilkinsburg, Pa. Elastomer coin receptacle. 2,578,134, Dec. 11.

Heaton, William H., Jr., Chattanooga, Tenn. Automatic chuck. 2,578,245, Dec. 11.

Hedenburg, Oscar F., Pittsburgh, Pa., assignor to H. W. Moburg, trustee, Toledo, Ohio. Methylenedioxyphenyl compounds containing sulfur as insecticide and pyrethrin synergists. 2,578,302, Dec. 11.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanization apparatus. 2,578,354, Dec. 11.

Henquet, Andre J., and M. R. Mauge, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation, New York, N. Y. Trunk telephone office without three cords. 2,577,759, Dec. 11.

Henry, Huelah L., New York, N. Y. Simulated dispensing device. 2,577,849, Dec. 11.

Hercules Powder Company, assignee: *See*—
Shapleigh, James H.

Hereford, Rockwell: *See*—
De Camp, Ray E., and Hereford.

Hershkowitz, Murray, Brooklyn, N. Y. Evaporative marking composition. 2,578,425, Dec. 11.

Herwig, Charles W.: *See*—
Pierson, Reuben E., and Herwig.

Heseltine, Donald W., assignor to Eastman Kodak Company, Rochester, N. Y. Quinaldinium salts and synthesis. 2,578,303, Dec. 11.

Heseltine, Donald W., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Lepidinium salts and synthesis. 2,578,304, Dec. 11.

Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. 1,5-pentanediol difuroate. 2,578,246, Dec. 11.

Heuer, Lawrence H., assignor to Automotive Spring Company, Detroit, Mich. Torsion brake release spring. 2,577,964, Dec. 11.

Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Spring suspension for vehicles. 2,577,760, Dec. 11.

Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Spring suspension for vehicles. 2,577,761, Dec. 11.

Hickman Industries, Inc., assignee: *See*—
Hickman, Albert F.

Hickok Manufacturing Co. Inc., assignee: *See*—
Chichester, Irving F.
Brady, Francis A.

Higgins Industries, Inc., assignee: *See*—
Dugas, Joseph J.

Hilger, Henry M., Fort Wayne, Ind. Foil for door handles. 2,578,547, Dec. 11.

Hill, Francis A., 2nd: *See*—
Hill, Myron F. and F. A.

Hill, John D., Cleveland, Ohio. Respirator. 2,578,007, Dec. 11.

Hill, Lyman P.: *See*—
Cubberley, Richard H., Hill, and Mohr.

Hill, Myron F. and F. A., 2nd, Westport, Conn. Making rotors. 2,578,187, Dec. 11.

Hinkson, Clair L., assignor to Hinkson Mfg. Co., Seattle, Wash. Trolling sinker. 2,577,965, Dec. 11.

Hinkson Mfg. Co., assignee: *See*—
Hinkson, Clair L.

Hires, Castner & Harris, Inc., assignee: *See*—
Mills, John.

Hirsch, Joel H., Oakmont, and M. J. Boegel, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Production of gas comprising hydrogen and carbon monoxide. 2,578,475, Dec. 11.

Histed, George B., Rochester, N. Y. Die-cut card. 2,578,548, Dec. 11.

Hoeppner, Conrad H., Washington, D. C., and C. H. Smith, Jr., Arlington, Va. Interval guard. 2,577,762, Dec. 11.

Hoff, John M.: *See*—
Mayer, Charles M., and Hoff.

Hofferbert, William P., Florence, Ala. Automatic door for nests. 2,578,247, Dec. 11.

Hoffmann-La Roche Inc., assignee: *See*—
Duschinsky, Robert.

Holgaard, C. J., Co., assignee: *See*—
Holgaard, Cyrus J., and Boeck.

Holgaard, Cyrus J., and F. W. Boeck, assignors to C. J. Holgaard Co., Minneapolis, Minn. Sectional athletic field cover. 2,578,135, Dec. 11.

Holland, Arthur A., Chaplin, Saskatchewan, Canada. Dehydration of mineral salts by drum drier. 2,578,355, Dec. 11.

Holley, Earl, assignee: *See*—
Udale, Stanley M.

Holley, George M., assignee: *See*—
Udale, Stanley M.

Hollinger, John S., Pontiac, Mich. Work indexing attachment. 2,578,476, Dec. 11.

Holm, Sven, and P. H. Karlsson, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Multifluid heat exchanger. 2,578,550, Dec. 11.

Holmberg, Anders, Stockholm, Sweden. Sintering ores and the like. 2,578,426, Dec. 11.

Holmes, Frank G., Philadelphia, Pa. Home bar unit. 2,577,850, Dec. 11.

Holst, Paul F. G., and M. J. Nelson, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Tone and volume control. 2,577,893, Dec. 11.

Hooban, Robert O., Coeur d'Alene, Idaho. Power-driven clothes-cleaning brush. 2,578,549, Dec. 11.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Seldovia, Alaska, assignors to American Cyanamid Company, New York, N. Y. Dialkyldithiophosphoric acid formaldehyde condensation products. 2,577,966, Dec. 11.

Hooton, Joseph H., Englewood, N. J., assignor to Richelieu Corporation, New York, N. Y. Removing backs from marine and fresh water shells. 2,578,356, Dec. 11.

Horn, Roy A.: *See*—
Ronicker, Harry, and Horn.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Suction roll seal assembly. 2,578,551, Dec. 11.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drier section for paper machines. 2,578,552, Dec. 11.

Horton Manufacturing Company, assignee: *See*—
Brotman, Hyman D.

Houdaille-Hershey Corporation, assignee: *See*—
Sandberg, Ray A.

Houdek, Joseph F., Jr.: *See*—
Augustine, Roy W., and Houdek.

Houdry Process Corporation, assignee: *See*—
McKinney, Dwight D.

Hough, George H.: *See*—
Reeves, Alec H., and Hough.

Howard, Clifford: *See*—
Bendeler, William, and Howard.

Howard-Smith, Howard, Birmingham, England. Erection of buildings. 2,578,631, Dec. 11.

Howatt, Lawrence F.: *See*—
Green, George S., and Howatt.

Howe Scale Company, The, assignee: *See*—
Singleton, Lester D.

Hoxie, Howard M., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Wet spinning process. 2,577,763, Dec. 11.

Hribar, Frank, assignor to The Weatherhead Company, Cleveland, Ohio. Pressure relief valve. 2,577,851, Dec. 11.

Huet, André, Paris, France. Tangentially finned heat exchange tubes. 2,578,136, Dec. 11.

Huet, André P. J., Paris, France. Fin for heat exchange elements. 2,578,305, Dec. 11.

Hufferd, George H., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Self-adjusting tappet. 2,577,852, Dec. 11.

Huggins, Maurice L.: *See*—
Sun, Kuan-Han, and Huggins.

Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Diaphragm valve. 2,577,967, Dec. 11.

Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for flame hardening rounds. 2,578,065, Dec. 11.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Direct oxidation of aldehydes and alcohol to acid. 2,578,306, Dec. 11.

Hulme, Philip M., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Desulfurization of ferrous metals. 2,577,764, Dec. 11.

Hunt, Clayton, E., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Facsimile scanning device. 2,578,307, Dec. 11.

Hurd, Edwin P., assignor to Hurd Lock and Manufacturing Company, Detroit, Mich. Fishing reel. 2,578,477, Dec. 11.

Hurd Lock and Manufacturing Company, assignee: *See*—
Hurd, Edwin P.

Hussey, Harold A.: *See*—
Ditz, Charles H., and Hussey.

Hussey, James F., Orlando, Fla., and B. S. Johnson, Merwood Park, assignors to Franklin Research Company, Philadelphia, Pa. Apparatus for the liquid treatment of fruits and vegetables. 2,578,427, Dec. 11.

Hyde, Lawrence K., Washington, D. C., assignor to Baldwin-Lima-Hamilton Corporation. Multirange extensometer. 2,578,066, Dec. 11.

Hydrocarbon Research, Inc., assignee: *See*—
Benedict, Manson, Wagstaff, and Webb.
Garbo, Paul W.

Hyslop, James, St. Clairsville, Ohio, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Treating granular solids. 2,578,357, Dec. 11.

Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Planetary transmission. 2,578,308, Dec. 11.

Illinois Tool Works, assignee: *See*—
Anderson, William C.

Imperial Paper and Color Corporation, assignee: *See*—
Jones, George F.
Industrial Rayon Corporation, assignee: *See*—
Fryer, Louis S.
Infilco Incorporated, assignee: *See*—
Hughes, Walter J.
Ingebretson, Abner M., assignee: *See*—
Evanoff, John, and Castino.
Ingersoll Milling Machine Company, The, assignee: *See*—
Johnson, Arthur W., and Fagerstrom.
Ingersoll-Rand Company, assignee: *See*—
Doyle, Frank B.
Naab, Julius.
Ingram, George E., Chicago, Ill. Thermostatic air control device for carburetors. 2,578,553, Dec. 11.
Interchemical Corporation, assignee: *See*—
Kass, Peter, and Wicks.
Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Churchward, Ruth E., and Shelton.
Westby, George.
International Nickel Company, Inc., The, assignee: *See*—
Mudge, William A.
Welblund, Albert G.
International Standard Electric Corporation, assignee: *See*—
Berger, François C. M.
Cobrt, Eigil.
Deakin, Gerald.
Hargreaves, Thomas F. S., and Gould.
Henquet, Andre J., and Mauge.
Meers, Richard A., Cockbain, and Probert.
Reeves, Alec H., and Hough.
Ionides, Margaret L., deceased, Silver Spring, Md.; by H. Cochran, executor, Washington, D. C., and P. A. Siple, Arlington, Va. Heat resistant covering. 2,578,188, Dec. 11.
Iowa State College Research Foundation, assignee: *See*—
Collins, Edgar V.
Ipatieff, Vladimir N.: *See*—
Pines, Herman, and Ipatieff.
Irmscher, Hans O., East Hempstead, N. Y., assignor to National Urn Bag Co. Inc. Packaging beverage infusor units having string handles and tags. 2,577,765, Dec. 11.
Iron Fireman Manufacturing Company, assignee: *See*—
Wright, Richard C.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Sears, Richard E.
Jacob, Carlyle W., Rochester, N. Y. Electronic signal recording system and apparatus. 2,577,894, Dec. 11.
Jaeger Machine Company, The, assignee: *See*—
Bohmer, Clarence I.
Jamieson, George R.: *See*—
Everitt, Philip F., and Jamieson.
Janecek, Frank H., assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for hard surfacing blast furnace bells and hoppers. 2,578,248, Dec. 11.
Janes, Ralph, Duffield, assignor to Rolls-Royce Limited, Derby, England. Gas-turbine engine. 2,578,478, Dec. 11.
Janeway, Robert N., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Suspension. 2,578,137, Dec. 11.
Janeway, Robert N., Detroit, and P. H. Pretz, Wing Lake, near Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Suspension. 2,578,138, Dec. 11.
Janeway, Robert N., Detroit, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Railway passenger car truck. 2,578,554, Dec. 11.
Jasco, Incorporated, assignee: *See*—
Sparks, William J., and Thomas.
Jeffery Manufacturing Company, The, assignee: *See*—
Bauroth, Walter J.
Jellison, Ernest E., Twin Falls, Idaho. Signaling device for automobiles. 2,578,358, Dec. 11.
Jenkins, Russell L., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of halogenated organic compounds with dibutyl diphenyl tin. 2,578,359, Dec. 11.
Jennings, Raymond J. S., and A. F. Williams, assignors to C. D. Patents Limited, London, England. Polymerizing bis-diphenylene ethylene. 2,578,479, Dec. 11.
Jensen, John W., Los Angeles, Calif. Automobile fishing pole holder. 2,578,067, Dec. 11.
Jentsch, Edward, Clifton, N. J. Yarn carrier. 2,577,968, Dec. 11.
Johnson, Arthur J.: *See*—
Lemmon, Paul E., and Johnson.
Johnson, Arthur W., and E. L. Fagerstrom, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Multiple station machine tool. 2,577,766, Dec. 11.
Johnson, Bayard S.: *See*—
Hussey, James F., and Johnson.
Johnson, Clarence R., Gary, Ind. Combined bumper and grille. 2,578,068, Dec. 11.
Johnson, Stanley A., New York, assignor to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Variable attenuator with linear drive. 2,578,249, Dec. 11.
Johnston, Charles F., Oakland, Calif. Piston expander. 2,578,555, Dec. 11.
Johnston, Clair R., Akron, Ohio. Harvester for potatoes and the like. 2,578,189, Dec. 11.
Johnston, Greenhow, Richmond, Va. Safety equipment for jails, banks, and the like. 2,578,556, Dec. 11.
Jones, Arthur N., Morris, Okla. Ball housing. 2,578,069, Dec. 11.
Jones, Eric W., and O. A. Pearce, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Automatic switch. 2,578,071, Dec. 11.
Jones, Franklin D., Llanerch, Upper Darby, assignor to American Chemical Paint Company, Ambler, Pa. Compositions for killing weeds. 2,577,969, Dec. 11.
Jones, George F., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y. Stable, water soluble, cationic melamine formaldehyde resins. 2,577,767, Dec. 11.
Jones, Henry C., Sparrows Point, Md., assignor to Patapsco and Back Rivers Railroad Company. Wheel grinder. 2,578,250, Dec. 11.
Jones, Joseph H., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Charging tongs for lift trucks. 2,578,070, Dec. 11.
Jones & Lamson Machine Company, assignee: *See*—
Flanders, Ernest V., and Drury.
Jones, Robert L., and H. O. Nylene, Leadville, Colo. Drilling apparatus and cleaning plugged drill steel. 2,577,895, Dec. 11.
Jones, Robert L., Jr., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Multiple-effect compressor. 2,578,139, Dec. 11.
Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Oxidation of cumene. 2,577,768, Dec. 11.
Joseph, William J.: *See*—
Pye, David J., and Joseph.
Jubenville, Arthur R., Huntington, N. Y. Electrical connector. 2,578,360, Dec. 11.
Judd, Charles H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,578,008, Dec. 11.
Just, Edmund W.: *See*—
Andrew, William K., Ford, and Just.
Kaczalski, Efraim, Brooklyn, assignor to J. Blumenfeld, New York, N. Y. Producing copolymers by reacting an N-carboxyl anhydride of an alpha aminoacid with an omega aminoacid. 2,578,428, Dec. 11.
Kälin, Josef, Rheinfelden, Switzerland. Arrangement for regulating the voltage of a galvanic bath. 2,578,251, Dec. 11.
Kane, Harry, Brooklyn, N. Y. Denture. 2,577,769, Dec. 11.
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Spinner brake for beverage mixing machines. 2,577,726, Dec. 11.
Kappel, John, Chicago, Ill. Plastic mold for ice cream, confections, etc. 2,578,361, Dec. 11.
Kargol, Adolph, Hamilton, Ontario, Canada. Tongs for handling building blocks. 2,578,072, Dec. 11.
Karlsson, Per H.: *See*—
Holm, Sven, and Karlsson.
Karplus, Eduard, Belmont, assignor to General Radio Company, Cambridge, Mass. Ultrahigh-frequency tuning apparatus. 2,578,429, Dec. 11.
Kask Technical Corporation, assignee: *See*—
Kurata, Fred.
Kass, Peter, and Z. W. Wicks, assignors to Interchemical Corporation, New York, N. Y. Alkyd resins. 2,577,770, Dec. 11.
Kearney & Trecker Corporation, assignee: *See*—
Andrew, William K., Ford, and Just.
Thomas, Albert G.
Kellogg, Joseph, assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Lubricator. 2,578,073, Dec. 11.
Kellogg, M. W., Company, The, assignee: *See*—
Rowe, Harold E.
Kellogg Switchboard and Supply Company, assignee: *See*—
Augustine, Roy W., and Houdek.
Kelsey-Hayes Wheel Company, assignee: *See*—
Ross, Elmer R.
Kelvin & Hughes Limited, assignee: *See*—
Everitt, Philip F., and Jamieson.
Kennedy, Walter, Cliffside Park, N. J. Radiant gas burner, including air filter and Venturi mixer. 2,577,772, Dec. 11.
Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution outlet. 2,577,771, Dec. 11.
Kent-Coffey Manufacturing Company, assignee: *See*—
Early, William A.
Kepner, Robert C., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Latch for end dump mine cars. 2,578,430, Dec. 11.
Kershaw, Henry, Belleville, assignor of one-sixth to H. L. Zuckerman, one-sixth to A. E. Zuckerman, and one-sixth to H. Zuckerman, Maplewood, N. J. Welding machine. 2,578,074, Dec. 11.
Keuffel & Esser Company, assignee: *See*—
Kienast, John F.
Kienast, John F., River Edge, assignor to Keuffel & Esser Company, Hoboken, N. J. Brownprint fixing composition containing alkali thiosulfate, alkali oxalate, and a surface active wetting agent. 2,578,075, Dec. 11.

Kiesling, Le Roy H., Bay Shore, N. Y. Vertical lift control system. 2,578,431, Dec. 11.
King, Louis A., Haddonfield, N. J., assignor to Radio Corporation of America. Electric timing device. 2,578,557, Dec. 11.
King Sales & Engineering Co., assignee: *See*—
McGihon, Leonard.
Kinton, James P., Lansing, Mich. Stirrer. 2,577,896, Dec. 11.
Kirby, Kathryn, assignor to W. Harrison Young, Inc., New York, N. Y. Check valve. 2,578,076, Dec. 11.
Klapman, Philip A., trustee, assignee: *See*—
Plice, William A.
Klein, William F., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake with anti-slide control. 2,577,897, Dec. 11.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,578,558, Dec. 11.
Kluver, James B., Salem, assignor of forty per cent to R. A. Schaeffer, Amity, Oreg. Combination faucet. 2,578,362, Dec. 11.
Knell, Christopher V.: *See*—
Worthington, Emory W., and Knell.
Kölbl, Karl M., Vienna, Austria. Suspension bar for vertically suspending plans, drawings, maps, and the like in storage cabinets. 2,578,252, Dec. 11.
Korsgren, Theodore Y., Winnetka, Ill. Motion converting mechanism. 2,578,559, Dec. 11.
Kortum, Robert E.: *See*—
Delf, George A., and Kortum.
Kroczek, Anton M., Chicago, Ill. Tool grinding machine. 2,578,309, Dec. 11.
Kroll, Stanley A.: *See*—
Cooper, Benjamin, and Kroll.
Kromex Corporation, assignee: *See*—
Ziskin, Manuel S., and Cline.
Krupp, Carroll P., Barberton, and F. G. Gerber, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Stretchable diaphragm. 2,578,140, Dec. 11.
Kurata, Fred, Lawrence, Kans., assignor to Kask Technical Corporation, Jackson Heights, N. Y. Atomizing nozzle. 2,577,853, Dec. 11.
Kurtzon, Albert, Highland Park, Ill. Fluorescent lamp housing for corner mounting. 2,578,190, Dec. 11.
Kuss, John D., Chippewa Lake Park, Ohio. Chance device with spiral carrier and disks. 2,578,560, Dec. 11.
Labour, Jean P., Washington, D. C., assignor to Gasoline Research Industrial & Commercial Company, Inc., Panama, Panama. Producing apparent solidification of liquid hydrocarbons. 2,578,432, Dec. 11.
Labour, Jean P., Washington, D. C., assignor to Gasoline Research Industrial & Commercial Company, Inc., Panama, Panama. Producing apparent solidification of liquid hydrocarbons. 2,578,433, Dec. 11.
La Cellophane, assignee: *See*—
Mauffre, Marcel.
Pierrat, Paul, and Colombu.
La Croix Optical Company, assignee: *See*—
Miles, John R.
Lagardelle, Germain, Colombes, assignor to Ateliers de Construction Lavalette, Saint-Ouen, Seine, France. Injection pump. 2,578,561, Dec. 11.
Lager, Edward J., Davenport, Iowa. Core for burial vault molds. 2,578,310, Dec. 11.
Lambert, Joseph M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Ternary detergent compositions. 2,577,773, Dec. 11.
Lapadura, Thomas A., Brooklyn, N. Y. Automatic warning signal for motor vehicles. 2,578,562, Dec. 11.
La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, assignee: *See*—
Bonnet, Maurice.
Larsson, Frans A.: *See*—
Larsson, Frans T. and F. A., von Dardel, and Nettelbladt.
Larsson, Frans T. and F. A., Saltsjobaden, G. E. von Dardel and B. G. Nettelbladt, Stockholm, Sweden. Collapsible boat. 2,577,970, Dec. 11.
Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. Microwave cavity resonator device. 2,577,971, Dec. 11.
Lawrence, Richard B., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse modulator. 2,578,253, Dec. 11.
Lee, Robert H., Indianapolis, Ind., assignor, by mesne assignments, to Micro Recording Company. Automatic exposure timer for cameras. 2,577,774, Dec. 11.
Lee, Robert H., Indianapolis, Ind., assignor, by mesne assignments, to Micro Recording Company. Camera film take-up for automatic exposure cameras. 2,578,254, Dec. 11.
Leeds and Northrup Company, assignee: *See*—
Broomell, George L. Jr.
Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,578,480, Dec. 11.
Lemmon, Paul E., and A. J. Johnson, San Fernando, Calif. Combination of rotary furrower and press wheels. 2,577,775, Dec. 11.
Lerma, Stephen, Flushing, N. Y. Fabric covered buckle. 2,577,898, Dec. 11.
Levin, Robert H., A V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3,22 - diacyloxy - 5,7,9(11),20(22) - bisnorcholatetraenes. 2,577,776, Dec. 11.
Levin, Robert H., A V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3,20-diacyloxy-5,7,9(11),17(20)-pregnatetraenes. 2,577,777, Dec. 11.
Levin, Robert H., G. B. Spero, and J. L. Thompson, assignors to The Upjohn Company, Kalamazoo, Mich. Preparation of 4,6,8(9),11-pregnatetraen-3,20-dione. 2,577,778, Dec. 11.
Levy, Maurice M.: *See*—
Farren, Leslie I., Head, and Levy.
Lewthwaite, Raymond B.: *See*—
Odell, Carl H., and Lewthwaite.
Leyton, Eric M., Wimbledon, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Circuit arrangement for stabilizing the amplitude of electrical oscillations. 2,577,972, Dec. 11.
Libby, McNeill & Libby, assignee: *See*—
Martin, Charles F., and Wodicka.
Liberatore, Laurence C., assignor to Taylor Instrument Companies, Rochester, N. Y. Age compensated glass thermometer. 2,578,563, Dec. 11.
Lindberg, John E., Redwood City, Calif. Icing detection device. 2,577,779, Dec. 11.
Lindberg, Richard C., trustee, assignee: *See*—
Plice, William A.
Lindell, Sigurd I., assignor to S & C Electric Company, Chicago, Ill. Contact construction for circuit interrupters such as fuses. 2,578,255, Dec. 11.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency electron discharge device of the traveling wave type. 2,578,434, Dec. 11.
Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Electronic high vacuum apparatus. 2,578,009, Dec. 11.
Link, Edwin A.: *See*—
Steinmayer, Alwin G., and Link.
Linton, William C., Washington, D. C. Current limiting fuse. 2,577,899, Dec. 11.
Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James.
Lisk, George F., Buffalo, and G. W. Stacy, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Producing anils. 2,577,900, Dec. 11.
Llewellyn, Walter E., Nutley, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polytetrafluoroethylene packing material and making same. 2,578,523, Dec. 11.
Llorens, Victor M., Long Island City, N. Y. Sugar shaker and dispenser. 2,578,010, Dec. 11.
Lockhart, Marshall L., assignor to The Compule Corporation, Rutherford, N. J. Crowned cupped resilient plug for cylindrical passages. 2,577,780, Dec. 11.
Lohmann-Werke A. G., assignee: *See*—
Teegen, Hermann.
Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Gas turbine power plant with auxiliary compressor supplying cooling air for the turbine. 2,578,481, Dec. 11.
Longaker, Edgar L., Collegeville, Pa., assignor to The Electric Storage Battery Company. Storage battery terminal. 2,578,191, Dec. 11.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,578,311, Dec. 11.
Lorimer, Allan G., Douglaston, N. Y. Window construction. 2,578,435, Dec. 11.
Loroco Industries Incorporated, assignee: *See*—
Tomarin, Harry A.
Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal receiver. 2,577,781, Dec. 11.
Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative frequency-modulation receiver. 2,577,782, Dec. 11.
Love, James L.: *See*—
Love, Jesse L., Rose, and Love.
Love, Jesse L., Titusville, Pa., H. F. Rose, Prospect Heights, Ill., and James L. Love, Columbus, Ohio. Log fireplace apparatus. 2,578,564, Dec. 11.
Lowen, Herbert: *See*—
Back, Frank G., and Lowen.
Luaces, Enrique L.: *See*—
Crosby, Melvin A., and Luaces.
Lucas, Joseph, Limited, assignee: *See*—
Marlow, Frederick J.
Lundstrom, Edward W.: *See*—
Palmquist, Marvin E., and Lundstrom.
Lundy, Richard T., Schenectady, N. Y., assignor to General Electric Company. Electrical connector. 2,578,436, Dec. 11.
Lynam, Thornton L., North Dartmouth, assignor to Fibre Leather Manufacturing Corporation, New Bedford, Mass. Method and apparatus for making fibrous sheet material. 2,577,784, Dec. 11

Lyon, Floyd A., Elmhurst, N. Y., assignor to The Sperry Corporation. Computing gun sight. 2,577,785, Dec. 11.

M-O Valve Company, Limited, The, assignee: *See*—
Galt, Arthur W. W.

MacCallum, Alan M.: *See*—
Perkins, Cories M., and MacCallum.

MacDougall, Donald J., Framingham, and P. J. Cade, Sharon, assignors to Photoswitch, Incorporated, Cambridge, Mass. Fire warning device. 2,577,973, Dec. 11.

Macdougall, Iver C., Bronxville, N. Y., assignor to Stauffer Chemical Company. Carbon bisulfide retort. 2,577,786, Dec. 11.

Mack Manufacturing Corporation, assignee: *See*—
Ambler, Franklin M.

MacNichol, Edward F., Jr., Hamilton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Coincidence-integrating circuit. 2,578,256, Dec. 11.

Magoffin, James E.: *See*—
Von Bramer, Harold, Magoffin, and Clemens.

Mahan, John E., and S. C. Fauske, Bartlesville, Okla., assignors to Phillips Petroleum Company. Hydrogenating sulfolenes to sulfolanes. 2,578,565, Dec. 11.

Maheux, Joseph C. H., Quebec, Quebec, Canada. Shaft measuring tool. 2,578,011, Dec. 11.

Mair, James, Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc. Separating wax from liquids. 2,578,192, Dec. 11.

Mallinckrodt Chemical Works, assignee: *See*—
Stoughton, Roger W.

Manco Mfg. Co., assignee: *See*—
Northcutt, Walter E.

Marbit, George, Brooklyn, N. Y. Collapsible hanger. 2,577,854, Dec. 11.

Marchment, William T., Chiswick, assignor to Evershed & Vignoles Limited, London, England. Movement transmitting system. 2,578,257, Dec. 11.

Marcot, Guy C., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Cadmium sulfide pigments. 2,578,363, Dec. 11.

Marette, Ralph T., Cleveland Heights, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat control means for engine cooling systems. 2,578,141, Dec. 11.

Marlow, Frederick J., Sutton Coldfield, assignor to Joseph Lucas Limited, Birmingham, England. Delivery nozzle for liquid fuels or other liquids. 2,577,901, Dec. 11.

Marshall Field & Company, assignee: *See*—
Clark, Eugene F.

Marshall, Walton H., Jr., New York, N. Y. Ammonia dissociator. 2,578,193, Dec. 11.

Martin, Charles F., and V. O. Wodicka, assignors to Libby, McNeill & Libby, Chicago, Ill. Thermal processing of food products. 2,578,437, Dec. 11.

Mascuch, Joseph J., assignee: *See*—
Nardone, Romeo M.

Masek, Walter F., and W. F. Richardon, assignors to Multiscope, Inc., Coffeyville, Kans. Escalator handrail. 2,578,566, Dec. 11.

Masek, Walter F., Richmond, Ind., assignor to Multiscope, Inc., Coffeyville, Kans. Handrail for moving stairways. 2,578,567, Dec. 11.

Mason, Thomas E.: *See*—
Bowers, Kenneth, and Mason.

Massey, B. & S. Limited, assignee: *See*—
Foster, John.

Materka, John S.: *See*—
Simpkins, Robert L., Materka, and Elliott.

Matheson, Arthur M.: *See*—
Burnham, Robert R., Anderson, and Matheson.

Matthews, Russell, Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric burner control system. 2,578,194, Dec. 11.

Mauffre, Marcel, assignor to La Celiophane, Paris, France. Drier for printed webs. 2,578,633, Dec. 11.

Mauge, Marcel R.: *See*—
Henquet, Andre J., and Mauge.

Mautner, Steven E., assignor to Skydyne, Inc., Port Jervis, N. Y. Chest or the like. 2,578,644, Dec. 11.

Maxon, Glenway, Jr., Milwaukee, Wis. Hinged tubular joint. 2,578,364, Dec. 11.

Mayberry, C. R.: *See*—
Mayberry, William H., and C. R.

Mayberry, William H., and C. R., Kennett, Mo. Cotton chopper. 2,578,365, Dec. 11.

Mayer, Albert C., St. Louis, Mo., and J. J. Blackmore, Edwardsville, Ill. Gas-liquid separator. 2,578,568, Dec. 11.

Mayer, Charles M., and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Gas burner control mechanism. 2,577,787, Dec. 11.

Mayrath, Robert L., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Electrical circuit for transmission and clutch control apparatus. 2,578,142, Dec. 11.

McAteer, James H., Cranford, and C. E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company. Concurrent dealkylation of aromatic hydrocarbons and dehydrogenation of naphthenic hydrocarbons. 2,577,788, Dec. 11.

McCarn, Burtis B., Jersey City, N. J. Hanger for trolley rails. 2,577,789, Dec. 11.

McCarthy, Henry J., Danvers, Mass., assignor to Sylvania Electric Products Inc. Variable-frequency interdigital magnetron. 2,578,569, Dec. 11.

McConnell, Robert A., Cambridge, and V. A. Olson, Suffolk, Mass., assignors, by mesne asignments, to the United States of America as represented by the Secretary of the Navy. Sweep generator. 2,578,258, Dec. 11.

McCormick, William E., United States Navy. Positive-locking hook. 2,577,790, Dec 11.

McCoy, Ross K., assignee: *See*—
Stephenson, Robert M., Dozier, and McCoy.

McDuffie, Harold F., Jr., Camillus, and D. E. Cooper, assignors to Bristol Laboratories, Inc., Syracuse, N. Y. Keto esters of penicillin and preparation thereof. 2,578,570, Dec. 11.

McGarry, John T., deceased, Cincinnati, Ohio; M. F. McGarry, executrix, assignor to Railroad Products Company, Cincinnati, Ohio. Water service apparatus. 2,578,143, Dec. 11.

McGarry, Mary F., executrix: *See*—
McGarry, John T.

McGibon, Leonard, San Leandro, assignor to King Sales & Engineering Co., San Francisco, Calif. Variable drive transmission. 2,578,012, Dec. 11.

McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Control bulb for thermal expansion valves. 2,577,902, Dec. 11.

McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Control bulb for thermal expansion valves. 2,577,903, Dec. 11.

McGraw Electric Company, assignee: *See*—
Steinmayer, Alwin G., and Link.
Willman, Philip E.

McInerney, James M.: *See*—
McInerney, William K. and J. M.

McInerney, William K. and J. M., Grand Rapids, Mich. Spring selecting and feeding machine. 2,578,438, Dec. 11.

McIntosh, A V., Jr.: *See*—
Levin, Robert H., McIntosh, and Spero.

McKays Company, The, assignee: *See*—
Albertson, Lawrence E.

McKinley, Benjamin P., Evanston, Ill. Electrical outlet. 2,577,974, Dec. 11.

McKinney, Dwight D., Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic contacting unit with gas separator. 2,577,791, Dec. 11.

McKnight, Arch C., Jr., Torrance, Calif. Mechanic's tool. 2,578,077, Dec. 11.

McMillan, Edward B., Wakefield, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Copolymerization process and product. 2,578,259, Dec. 11.

McMillan, Wallac A., Glenham, assignor to The Texas Company, New York, N. Y. Catalyst for the reaction of carbon monoxide and hydrogen with unsaturated compounds. 2,578,144, Dec. 11.

McNabb, Carlos, P. J. Whitley, and F. M. Morrow, Middletown, Ohio, assignors to Armco Steel Corporation. Hot dip coating of metal strip. 2,577,904, Dec. 11.

McNair, Samuel L., Boston, and C. E. Wyman, Brockton, assignors to Everett E. Young Co., Inc., Whitman, Mass. Device for discharging wax and the like having a valve operating rod. 2,578,078, Dec. 11.

McNally, James G.: *See*—
Dickey, Joseph B., and McNally.

McPherson, Alexander, and W. B. Bird, Glasgow, Scotland. Apparatus for lubricating wire ropes or cables. 2,578,260, Dec. 11.

Meers, Richard A., and E. R. Cockbain, London, and G. O. Probert, deceased, Uplands, Meophan Green, England, by I. M. Probert, widow and executrix, Bedhampton, Havant, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric wave repeater circuit. 2,577,792, Dec. 11.

Mefina, S. A., assignee: *See*—
Robert, Ramon C., and Court.

Meier, Wilbur L., Chatham, N. J. Electron discharge device. 2,578,571, Dec. 11.

Meinertz, Mark F., Copenhagen, Denmark. Frame for vertical piston engines. 2,578,079, Dec. 11.

Melancon, Dudley, assignee: *See*—
Babin, Lionel J., Jr.

Melvin, Francis F., and J. O. Stevens, Elwood, Ind.; said Stevens assignor to said Melvin. Spray gun keeper. 2,578,572, Dec. 11.

Mennie, Edward W., Windsor, Ontario, Canada, assignor to H. H. Crawford, Detroit, Mich. Ellipse compass. 2,577,905, Dec. 11.

Mercier, Ernest F. and P. E., Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Balanced double-acting engine. 2,578,439, Dec. 11.

Mercier, Pierre E.: *See*—
Mercier, Ernest F. and P. E.

Merck & Co., Inc., assignee: *See*—
Tishler, Max.
Wendler, Norman L., and Slates.

Merkl, Lloyd D.: *See*—
Haase, Gordon W., and Merkl.

Merrill, Cy R., Towson, Md., assignor to The Black & Decker Manufacturing Company. Ridge or step grinder for internal-combustion engines. 2,578,195, Dec. 11.

Merrill, Marcellus S., assignee: *See*—
Erickson, Lowell H.

Merry, Walter: *See*—
Coddington, Samuel H., and Merry.

Mesch, Orwar S. A.: *See*—
Hampton, Leon N., Mesch, and Obst.

Meyer, Alvin F., Cincinnati, Ohio. Utility cart. 2,578,440, Dec. 11.

Meyercord Co., The, assignee: *See*—
Rathke, Harry C.

Micafil A.-G., assignee: *See*—
Wirth, Otto.

Michellet, Henri: *See*—
Chatelet, Henri J. G., and Michellet.

Micro Recording Company, assignee: *See*—
Lee, Robert H.

Middlestadt, William F., Baltimore, assignor to The James Gibbons Company, Relay, Md. Apparatus for dispensing fluent material. 2,578,080, Dec. 11.

Miles, John R., Maine Township, Cook County, assignor to La Croix Optical Company, Chicago, Ill. Optical system for variable power Galilean telescopes. 2,578,574, Dec. 11.

Miles Laboratories, Inc., assignee: *See*—
Nicholls, Richard S., and Fonner.

Millar, Norval P., Danvers, Mass., assignor to General Electric Company. Expanded scale voltmeter. 2,578,441, Dec. 11.

Miller, Bert and H. H., Brunswick, Ga. Tractor mounted brush saw. 2,577,906, Dec. 11.

Miller, Chant A., Winamac, and S. L. Border, Monon, Ind. Dental tool sharpening device. 2,578,081, Dec. 11.

Miller Company, The, assignee: *See*—
De Lancey, Ralph W.

Miller, Emery: *See*—
Brown, Ely E., and Miller.

Miller-Harris Instrument Co., assignee: *See*—
Miller, Wayland R.

Miller, Herbert H.: *See*—
Miller, Bert and H. H.

Miller, John R., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for handling liquids. 2,578,145, Dec. 11.

Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Upper shaping machine. 2,577,907, Dec. 11.

Miller, Louis P., West Hazleton, Pa., assignor to Specialties Development Corporation, Belleville, N. J. Apparatus for impregnating yarn. 2,577,793, Dec. 11.

Miller, Robert J., and P. C. Condit, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Esterification of certain aromatic polycarboxylic acids. 2,578,312, Dec. 11.

Miller, Wayland R., Whitefish Bay, assignor to Miller-Harris Instrument Co., Milwaukee, Wis. Control device. 2,578,632, Dec. 11.

Mills Industries, Incorporated, assignee: *See*—
Bendfelt, Herbert A.

Mills, John, Drexel Hill, assignor to Hires, Castner & Harris, Inc., Philadelphia, Pa. Glass spike detector. 2,578,573, Dec. 11.

Mills, Victor, Springfield Township, Hamilton County, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Continuous process for neutralizing fatty acids. 2,578,366, Dec. 11.

Milton Roy Company, assignee: *See*—
Saalfrank, Royal B.

Milwaukee Gas Specialty Company, assignee: *See*—
Matthews, Russell.

Minard, John F., Mount Vernon, Ohio. Electric plug. 2,577,794, Dec. 11.

Mindrup, Louis A., Dallas, Tex. Insect poisoning and crop dusting machine. 2,578,482, Dec. 11.

Mine Safety Appliances Company, assignee: *See*—
Bub, Robert A.
Yant, William P.

Minkus, Herman J., assignee: *See*—
Hammond, John M.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Taylor, Daniel G.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Brinker, Howard C.

Moburg, Harold W., trustee, assignee: *See*—
Hedenburg, Oscar F.

Moehler, Otto J., assignor to Conmar Products Corporation, Newark, N. J. Making separable end stop for slide fasteners. 2,577,855, Dec. 11.

Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized frequency-modulated multivibrator. 2,577,795, Dec. 11.

Mohr, Wilfred J.: *See*—
Cubberley, Richard H., Hill, and Mohr.

Monk, George S., assignor to Chicago Aerial Survey Co., Chicago, Ill. View finder and drift sight. 2,578,013, Dec. 11.

Monsanto Chemical Company, assignee: *See*—
Jenkins, Russell L.

Montani, Angelo, Woodhaven, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Time-division multiplex system wherein the duration of each received sample is effectively increased. 2,578,083, Dec. 11.

Montcalm, Surrius R., assignor to Ferris Instrument Laboratories, Boonton, N. J. Electrical alternating current generation. 2,578,575, Dec. 11.

Montelius, Carl O. J., assignor to Aktiebolaget Imo-Industri, Stockholm, Sweden. Screw compressor. 2,578,196, Dec. 11.

Montgomery Elevator Company, assignee: *See*—
Green, Joseph F.

Moomaw, Lewis H., Great Neck, assignor to de Jur-Amsco Corporation, Long Island City, N. Y. Motion-picture projector transmission. 2,578,082, Dec. 11.

Moore Company, The, assignee: *See*—
White, Calvin F.

Moore, Henry T., Greenfield, Mass. Wood planer. 2,577,975, Dec. 11.

Moore, Inc., assignee: *See*—
Mercier, Ernest F. and P. E.

Morash, Norman: *See*—
Booth, Robert B., and Morash.

Morin, Louis H., Bronx, N. Y. Quick exit separable fastener. 2,578,442, Dec. 11.

Morrell, Charles E.: *See*—
McAteer, James H., and Morrell.

Morris, George C., assignor to Redmond Company, Inc., Owosso, Mich. Crankcase ventilation. 2,578,576, Dec. 11.

Morris, George C., assignor to Redmond Company, Inc., Owosso, Mich. Vapor expulsion. 2,578,577, Dec. 11.

Morris, Rupert C., Berkeley, V. W. Buls, Walnut Creek, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Unsaturated esters of phosphonous acids and polymers thereof. 2,577,796, Dec. 11.

Morrow, Forrest M.: *See*—
McNabb, Carlos, Whitley, and Morrow.

Mortrude, Albert D., Detroit, Mich. Cocktail shaker. 2,577,976, Dec. 11.

Moseley, Nicholas, Sandy Hook, Conn. Game practice device. 2,578,313, Dec. 11.

Moss, Philip H.: *See*—
Hook, Edwin O., and Moss.

Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone mounting. 2,578,367, Dec. 11.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Mixing apparatus for tanks. 2,577,797, Dec. 11.

Mudge, William A., assignor to The International Nickel Company, Inc., New York, N. Y. Thermostatic device. 2,578,197, Dec. 11.

Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Conveyer apparatus. 2,578,314, Dec. 11.

Muggli, Victor V., Minneapolis, Minn. Toy gun. 2,578,198, Dec. 11.

Multiscope, Inc., assignee: *See*—
Masek, Walter F.
Masek, Walter F., and Richardson.

Mureau, Charles A., Van Nuys, Calif. Retractable make-up applicator. 2,578,084, Dec. 11.

Murray, Francis T., Padstow, Cornwall, England. Transition curve plotter for roads and railways and other purposes. 2,578,483, Dec. 11.

Myers, George F., New York, N. Y. Convertible aircraft landing gear. 2,578,578, Dec. 11.

Myseis, George, New York, N. Y. Ball bouncing pull toy. 2,578,579, Dec. 11.

Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Compressor. 2,578,199, Dec. 11.

Nakken, Theodore H., New York, N. Y. Flexible bellows. 2,577,908, Dec. 11.

Nardone, Romeo M., Teaneck, assignor to J. J. Mascuch, Maplewood, N. J. Pressure gas generation control. 2,578,443, Dec. 11.

Nash, Frank L., Widnes, assignor to Turners Asbestos Cement Company Limited, Rochdale, England. Reinforcing asbestos-cement sheets and apparatus for use therein. 2,578,580, Dec. 11.

Nash, Frank L., Widnes, assignor to Turners Asbestos Cement Company Limited, Rochdale, England. Reinforcing asbestos-cement sheets. 2,578,581, Dec. 11.

Nashua Gummed and Coated Paper Company, assignee: *See*—
Smith, Robert L., and Wight.

National Advertising Company, assignee: *See*—
Bullock, Edward A.

National Distillers Products Corp., assignee: *See*—
Pattee, Ellis C.

National Inventions Corporation, assignee: *See*—
Bridges, John H.

National Lead Company, assignee: *See*—
Southard, John C.

National Lock Company, assignee: *See*—
Stone, Roy A.

National Tank Company, assignee: *See*—
Glasgow, Clarence O.

National Urn Bag Co. Inc., assignee: *See*—
Irmscher, Hans O.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Asselin, George F., and Audrieth.
Lawrence, Richard B.
MacNichol, Edward F., Jr.
McConnell, Robert A., and Olson.
McMillan, Edward B.
Perkins, Joseph R.
Sherwin, Chalmers W.
Wachtell, George P.
Whiteman, Irvin R.

Neal, Ralph H.: *See*—
Vahlteich, Hans W., Gooding, and Neal.

Nehrke, Charles, New York, N. Y. Toy coupling. 2,578,368, Dec. 11.

Nelson, Joseph F., Elizabeth, N. J., assignor to Standard Oil Development Company. Polymerization reaction vessel. 2,577,856, Dec. 11.

Nelson, Morton J.: *See*—
Holst, Paul F. G., and Nelson.

Nelson, Noral A., Royal Oak, assignor to Harry Ferguson, Inc., Detroit, Mich. Bucket attachment for tractor mounted forks. 2,577,977, Dec. 11.

Nettelbladt, Bo G.: *See*—
Larsson, Frans T. and F. A., von Dardel, and Nettelbladt.

Neubauer, Emil T. P., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bearing construction with segmental shoes on flexible resilient supports. 2,577,798, Dec. 11.

New Jersey Machine Corporation, assignee: *See*—
Von Hofe, George W.

Newstrom, Walter O.: *See*—
Thacker, Bernard J., Harris, and Newstrom.

Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor. 2,578,146, Dec. 11.

Newton, Edwin B.: *See*—
Sears, Daniel S., and Newton.

New York Air Brake Company, The, assignee: *See*—
Klein, William F.

New York and Pennsylvania Co., Inc., assignee: *See*—
Putnam, Charles P.

New York Quinine and Chemical Works, Incorporated, assignee: *See*—
Baizer, Manuel M.
Baizer, Manuel M., and Williams.

Nicholl, Edward J., Charlton Kings, assignor to Dowty Equipment Limited, Arle Court, Cheltenham, England. Mechanism to minimise pitching in braked aircraft bogie undercarriages. 2,578,200, Dec. 11.

Nicholls, Richard S., and D. E. Fonner, assignors to Miles Laboratories, Inc., Elkhart, Ind. Diagnostic composition. 2,577,978, Dec. 11.

Nicolle, Charles, Gentilly, France. Multicapsule sheet. 2,578,444, Dec. 11.

Nicolle, Charles, Gentilly, France. Packing made of plastic material chiefly for pharmaceutical tubes. 2,578,445, Dec. 11.

Nicorvo, Edwin J., South Amboy, N. J. Nonspillable drinking unit. 2,578,201, Dec. 11.

Nielsen, Peter S., Bismarck, N. Dak. Automatic stop device for motion-picture projectors. 2,577,909, Dec. 11.

Nier, Mildred A., assignee: *See*—
Byram, Harry A.

Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fuel feeding system for internal-combustion engines. 2,578,147, Dec. 11.

Noelcke, Carl L., Sr., Cincinnati, Ohio. Multiple poultry feeder. 2,578,369, Dec. 11.

Nordberg Manufacturing Co., assignee: *See*—
Kellogg, Joseph.

Norland, Ernest, assignee: *See*—
Samel, Ruth, and Wotzilka.

North American Rayon Corporation, assignee: *See*—
Bley, Rudolph S.

Northcutt, Walter E., Chebanse, assignor to Manco Mfg. Co., Bradley, Ill. Hydraulic cutting tool. 2,578,582, Dec. 11.

Northern Marine Corporation, assignee: *See*—
York, William S.

Norton Company, assignee: *See*—
Van der Pyl, Edward.

Nylene, Harry O.: *See*—
Jones, Robert L., and Nylene.

Nyrop, Aage, Hellerup, Denmark. Self-discharging sludge separator. 2,578,484, Dec. 11.

Nyrop, Aage, Hellerup, Denmark. Centrifugal separation. 2,578,485, Dec. 11.

O'Brien, Herbert J., San Francisco, Calif. Packaging. 2,578,583, Dec. 11.

Obst, Charles V.: *See*—
Hampton, Leon N., Mesch, and Obst.

O'Daniel, Clarence, Richmond Heights, Mo., assignor to Century Electric Company. Geared electric motor. 2,578,446, Dec. 11.

Odell, Carl H., Morristown, and R. B. Lewthwaite, River Edge, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Condition-responsive system. 2,578,447, Dec. 11.

Odenheimer, Jerome H., Havertown, Pa., assignor to General Electric Company. Terminal socket electrical connector. 2,578,448, Dec. 11.

Ohio Crankshaft Company, The, assignee: *See*—
Strickland, Harold A., Jr.

Ohio Knitting Mills, Inc., assignee: *See*—
Rovas, Tobias.

Oil Center Tool Company, assignee: *See*—
French, Walter P.

Oliva, Ervin W., Alton, Kans. Pivotally mounted tire bead compressing clamp. 2,577,910, Dec. 11.

Olson, Verland A.: *See*—
McConnell, Robert A., and Olson.

O'Neil, John P., Bay City, Tex., assignor to Phillips Petroleum Company. Recovery of unsaturated oil from used HF catalyst. 2,577,799, Dec. 11.

Orozco, Gilbert H., Euclid, and R. F. Roy, assignors to Gilron Products Company, Cleveland, Ohio. Composition for forming a dry, homogeneous, self-adherent lubricating film on metal stock. 2,578,585, Dec. 11.

Orozco, Gilbert H., Euclid, and R. F. Roy, assignors to Gilron Products Company, Cleveland, Ohio. Composition for forming a dry, homogeneous, self-adherent, lubricating film on metal stock. 2,578,586, Dec. 11.

Orr, Harold M., Glendale, Calif. Internal thread gauge. 2,578,261, Dec. 11.

Osborn, Henry C., assignee: *See*—
Chisholm, Clifton.

Osborn, William D., Los Angeles, Calif. Multiple speed power transmitting means for sewer rod tractors. 2,578,584, Dec. 11.

Otis Pressure Control, Inc., assignee: *See*—
Fredd, John V.

Otti, Joseph, Oklahoma City, Okla. Awning. 2,577,800, Dec. 11.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Russell, Robert G., and Wiley.
Stalego, Charles J.
Tooley, Fay V.
Waggoner, Jack H.

Owens-Illinois Glass Company, assignee: *See*—
Windus, Donald W.

Palme, Karl B., assignor to Aktiebolaget Bofors, Bofors, Sweden. Rate control means for target trackers. 2,578,202, Dec. 11.

Palme, Karl B., and S. G. Gerdin, Bofors, Sweden. Apparatus for predicting the lateral and vertical angles of the future position of a moving target by geometrical analogue. 2,578,203, Dec. 11.

Palmer, Richard A. E., Alburg, Vt. Staple puller and insulator remover. 2,577,911, Dec. 11.

Palmquist, Marvin E., Cherry Valley, and E. W. Lundstrom, Rockford, Ill., assignors, by mesne assignments, to Trimble, Inc., Rochester, N. Y. Faucet hose temperature indicator. 2,578,587, Dec. 11.

Parisotto, Henry S., assignor of one-half to C. D'Amico, St. Louis, Mo. Combination oil can and light. 2,577,857, Dec. 11.

Parker, Frank M., Richmond, assignor to California Research Corporation, San Francisco, Calif. Dust recovery. 2,578,315, Dec. 11.

Parker Rust Proof Company, assignee: *See*—
Gibson, Robert C.

Pascotto, Dante, New York, N. Y. Grinding, polishing, or surfacing machine. 2,578,588, Dec. 11.

Patapsco and Back Rivers Railroad Company, assignee: *See*—
Jones, Henry C.

Patelhold Patentverwertungs-& Elektro-Holding A.-G., assignee: *See*—
Guanella, Gustav.

Patent Button Company, The, assignee: *See*—
Hatton, Arthur T., and Sprague.

Patent and Licensing Corporation, The, assignee: *See*—
Cubberley, Richard H., Hill, and Mohr.

Pease, Charles H., Canaan, Conn., assignor of one-fourth to C. W. Carroll, Rochester, N. Y. Queen and drone trap. 2,578,634, Dec. 11.

Paterson, Donald M., Temple, London, England. Photographic spool. 2,578,262, Dec. 11.

Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corp. Hydrolyzation of pentosan containing protein materials. 2,577,801, Dec. 11.

Paulsen, Hans C.: *See*—
Griswold, Stanley M., and Paulsen.

Pawelski, Adam, Brooklyn, N. Y. Magnifying loupe with reflector. 2,578,589, Dec. 11.

Payne, Pearson M., Denver, Colo. Froth flotation apparatus. 2,577,802, Dec. 11.

Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Power drive. 2,578,316, Dec. 11.

Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Switch lock for power driven tools. 2,578,317, Dec. 11.

Pearce, Owen A.: *See*—
Jones, Eric W., and Pearce.

Peck, Donald S., Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gaseous discharge device. 2,578,370, Dec. 11.

Pedersen, Elmer P., L. R., and K. E., Pipestone, Minn. Mailbox with door operated signal flag. 2,578,486, Dec. 11.

Pedersen, Kenneth E.: *See*—
Pedersen, Elmer P., L. R., and K. E.

Pedersen, Leo R.: *See*—
Pedersen, Elmer P., L. R., and K. E.

Peek, Henry L., Boston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dumping valve for expediting reverse movements of fluid motors. 2,578,204, Dec. 11.

Pennell, Elmer V.: *See*—
Creveling, Catherine B., and Pennell.

Perbohner, Aaron T., assignee: *See*—
Filiatreault, Willis J.

Perkins, Corles M., Rutherford, and A. M. MacCallum, Maywood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Gyroscope system. 2,577,912, Dec. 11.

Perkins, Joseph R., Upper Montclair, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Spark gap modulator. 2,578,263, Dec. 11.

Perkins, Robert C., Worcester, Mass. Panel structure and assembling panels on a support. 2,578,085, Dec. 11.

Perrault, Ainslie, assignor to Perrault Bros., Tulsa, Okla. Safety valve. 2,578,590, Dec. 11.

Perrault Bros., assignee: *See*—
Perrault, Ainslie.

Perry, Edmond S., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. High-vacuum fractionating distillation apparatus. 2,578,086, Dec. 11.

Peters, Leo, Evanston, Ill. Clothes retainer. 2,578,148, Dec. 11.

Petersen, Gerald A., San Francisco, Calif. Earth auger. 2,578,014, Dec. 11.

Peterson, Alf A., Hallock, Minn. Variable-speed drive and clutch. 2,577,913, Dec. 11.

Peterson, Eugene W.: *See*—
Saunderson, Jason L., Caldecourt, and Peterson.

Peterson, George A., Sydney, New South Wales, Australia. Safety pilot for gas burners. 2,578,087, Dec. 11.

Peterson, Oscar R., Oakland, and R. A. Peterson, San Leandro, Calif. Flexible motor fluid operated clutch. 2,578,487, Dec. 11.

Peterson, Robert A.: *See*—
Peterson, Oscar R. and R. A.

Pfahl, Wilbert C., Silver Lake, Ohio. Disappearing stairway. 2,577,914, Dec. 11.

Pfann, William G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacture of semiconductor translators. 2,577,803, Dec. 11.

Pfarrwaller, Erwin, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Gripper-shuttle loom. 2,578,205, Dec. 11.

Philco Corporation, assignee: *See*—
Cranmer, Richard S.

Phillips, Fred C., Stoughton, Mass. Athletic shoe calk. 2,578,591, Dec. 11.

Phillips Petroleum Company, assignee: *See*—
Chandler, Alanson W.
Mahan, John E., and Fauske.
O'Neil, John P.
Robinson, Sam P.

Phipps, Orville, Adams County, near Denver, Colo. Auger-type drill bit. 2,578,593, Dec. 11.

Photoswitch, Incorporated, assignee: *See*—
MacDougall, Donald J., and Cade.

Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio antenna. 2,577,804, Dec. 11.

Pidduck, Thomas G., Bremerton, Wash. Spring comparator. 2,577,805, Dec. 11.

Pierce, Gaylord I., San Diego, Calif. Sheet realigning attachment for typewriters. 2,578,088, Dec. 11.

Pierrat, Paul, and E. Colombu, Paris, France, assignors to La Cellophane. Hood for collecting gases. 2,578,635, Dec. 11.

Pierson, Reuben E., and C. W. Herwig, Seattle, Wash. Scaffold supporting structure. 2,577,979, Dec. 11.

Piker, Herbert M., assignor to The Hamilton Metal Products Company, Hamilton, Ohio. Carrying means. 2,578,089, Dec. 11.

Pile, Sydney, assignor to Teleflex Products Limited, London, England. Corner guide for endless conveyer cables. 2,578,592, Dec. 11.

Pilkington Brothers Limited, assignee: *See*—
Griffin, James H.
Waldron, Frederic B., and Griffin.

Piller, Bohumil, Varnsdorf, J. Zmatlik, Brunn, J. Pinkava, Prague, and M. Staryˊ, Zilina, assignors to Zavody pre Chemicku Vyrobu, narodny podnik, Bratislava, and Elite, sdruzene tovarny puncoch, narodni podnik, Varnsdorf, Czechoslovakia. Producing artificial fibers from high molecular linear polymers or polycondensates respectively. 2,577,915, Dec. 11.

Pines, Herman, and J. A. Vesely, assignors to Universal Oil Products Company, Chicago, Ill. Alkenylation of phenols. 2,578,206, Dec. 11.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Di(alkylphenyl)-alkenes. 2,578,207, Dec. 11.

Pinkava, Jan: *See*—
Piller, Bohumil, Zmatlik, Pinkava, and Staryˊ.

Pinney, Ernest F., Glen Cove, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wick holder loading machine. 2,578,449, Dec. 11.

Pittsburgh Consolidation Coal Company, assignee: *See*—
Hyslop, James.

Pittsburgh Plate Glass Company, assignee: *See*—
Strain, Franklin.

Placerean, Frank J., Rochester, N. Y. Roller attachment for chairs. 2,578,488, Dec. 11.

Pleater, Joseph, Coventry, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Baginton, Coventry, England. Tool for shaving down local protuberances. 2,578,371, Dec. 11.

Plice, William A., Oak Park, assignor to R. C. Lindberg and P. A. Klapman, Chicago, Ill., as trustees. Network for intercommunication system. 2,577,806, Dec. 11.

Plummer, Fred L., assignor to Hammond Iron Works, Warren, Pa. Diaphragm cover for liquid storage tanks. 2,578,090, Dec. 11.

Pocci, Tebaldo G., Canton, Ohio. Portable cylinder grinding tool. 2,578,149, Dec. 11.

Pollard, Willard L., Evanston, Ill. Hydraulic transmission. 2,578,450, Dec. 11.

Polytechnic Institute of Brooklyn, assignee: *See*—
Johnson, Stanley A.

Pope, William, New Orleans, La. Combination crib and cradle. 2,578,372, Dec. 11.

Powell and Richert, Inc., assignee: *See*—
Powell, David M.

Powell, David M., assignor to Powell and Richert, Inc., La Junta, Colo. Rotary seat attachment for barbers' chairs. 2,578,373, Dec. 11.

Power Jets (Research and Development) Limited, assignee: *See*—
Thompson, Arthur C. R.

Pozzi, Peter D.: *See*—
Gorell, Frank, and Pozzi.

Pratt, Edmond O., Los Angeles, Calif. Apparatus for handling irrigating fluid. 2,578,374, Dec. 11.

Prefab Stairs and Tile, Inc., assignee: *See*—
Thornton, John W., and Donlon.

Premo Pharmaceutical Laboratories, Inc., assignee: *See*—
Blackman, Stanley.

Pretz, Philip H.: *See*—
Janeway, Robert N., and Pretz.

Probert, Gurney O.: *See*—
Meers, Richard A., Cockbain, and Probert.

Probert, Isobel M., widow and executrix: *See*—
Meers, Richard A., Cockbain, and Probert.

Procter & Gamble Company, The, assignee: *See*—
Mills, Victor.

Protection Products Manufacturing Company, assignee: *See*—
Bonnell, Gordon H., Bailey, and Garlick.

Pryor, Paul L., Dayton, Ohio. Telescope for aligning lenses, jigs, and the like. 2,577,807, Dec. 11.

Publicker Industries Inc., assignee: *See*—
Visor, Frederick C.

Pure Oil Company, The, assignee: *See*—
Bernard, George G., and Savoy.
Goldsbarry, Albert W., and Tomaszewski.

Putnam, Charles P., Lock Haven, Pa., assignor to New York and Pennsylvania Co., Inc., New York, N. Y. Calender machine. 2,578,594, Dec. 11.

Pye, David J., and W. J. Joseph, Pittsburgh, Calif., assignors to The Dow Chemical Company. Production of chlorine. 2,577,808, Dec. 11.

Pyrene Manufacturing Company, assignee: *See*—
Ferguson, George E., and Dodelin.

Quaker Oats Company, The, assignee: *See*—
Andrews, Edward D.

Radio Corporation of America, assignee: *See*—
Goodale, Elmer D., and Bundick.
Greenleaf, Francis D., Seeberger, and Buder.
King, Louis A.
Law, Russell R.
Lindenblad, Nils E.
Linder, Ernest G.
Roberts, Walter van B.
Shrader, Terry M.
Sussman, Harry.
Thompson, Harry C.
Wald, Sidney, and Dunn.

Railroad Products Company, assignee: *See*—
McGarry, John T.

Ralston, Anderson W., J. P. Barrett, and E. W. Segebrecht, assignors to Armour and Company, Chicago, Ill. Rodent repelling binder cord and making same. 2,578,595, Dec. 11.

Rathke, Harry C., assignor to The Meyercord Co., Chicago, Ill. Decalcomania and applying same. 2,578,150, Dec. 11.

Raymick, John D., Pine Bluff, Ark. Draft gear jack. 2,578,264, Dec. 11.

Raytheon Manufacturing Company, assignee: *See*—
Klemperer, Hans.
Shropshire, Ralph F.
Skudre, Arnold M.
Stolberg, Sven A.

Red Jacket Manufacturing Co., assignee: *See*—
Deters, Elmer M.

Redmond Company, Inc., assignee: *See*—
Morris, George C.

Reed, Alfred S., assignor to Ripon Knitting Works, Ripon, Wis. Leather soled sock with rearwardly extending toe cap. 2,578,091, Dec. 11.

Reeves, Alec H., and G. H. Hough, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Cold cathode electric discharge tube. 2,577,809, Dec. 11.

Regie Nationale des Usines Renault, assignee: *See*—
Salves, Léon.

Reher, James C., Jr., assignee: *See*—
Throne, Dallas.

Rehn, Edward H., Lima, Ohio. Corn shocker with divided former. 2,578,092, Dec. 11.

Reinhard, Gustav A., Shaker Heights, Ohio. Transmission. 2,578,015, Dec. 11.

Reliance Steel Products Company, assignee: *See*—
Braun, Ottwin L.

Remington Rand Inc., assignee: *See*—
Dalton, Robert A.

Republic Steel Corporation, assignee: *See*—
Janecek, Frank H.
Jones, Joseph H.

Rex, Charles H., Marblehead, Mass., assignor to General Electric Company. Luminaire. 2,578,451, Dec. 11.

Richardson, William F.: *See*—
Masek, Walter F., and Richardson.

Richelieu Corporation, assignee: *See*—
Hooton, Joseph H.

Ricks, Bernard E., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Idler arm pivot joint. 2,578,645, Dec. 11.

Rieck, Russell W., Detroit, Mich. Compressor gas turbine combustion chamber with rotating and reciprocating valve therein. 2,578,596, Dec. 11.

Rike, Siles E., Centerton, Ind. Brick handling fork mechanism. 2,578,016, Dec. 11.

Rip-Bits, Limited, assignee: *See*—
Griffiths, Hugh M.

Ripon Knitting Works, assignee: *See*—
Reed, Alfred S.

Robert, Ramon C., and J. Court, Geneva, assignors to Mefina S. A., Binningen, Switzerland. Feeding device for sewing machines. 2,578,225, Dec. 11.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Mechanical filter. 2,578,452, Dec. 11.

Robertson, H. H., Company, assignee: *See*—
Crafton, Henry H.
Wiesmann, Joseph W.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of p-tertiary-butyl phenol. 2,578,597, Dec. 11.

Rocca, Julius P.: *See*—
Schneider, Helmuth G., Young, and Rocca.

Rollman, Michael A., Landisville, Pa. Ice-cream freezer. 2,577,916, Dec. 11.

Rolls-Royce Limited, assignee: *See*—
Haworth, Lionel, and Taylor.
Janes, Ralph.
Lombard, Adrian A.

Roman, Charles, Miami, Fla. Artificial wood product and making the same. 2,578,489, Dec. 11.

Ronfeldt Associates, Inc., assignee: *See*—
Ronfeldt, Howard W.

Ronfeldt, Howard W., Toledo, Ohio, assignor to Ronfeldt Associates, Inc. Mast turning gear mechanism. 2,578,151, Dec. 11.

Ronicker, Harry, West Milton, and R. A. Horn, Dayton, Ohio. Vertically adjustable bifocal spectacles. 2,578,318, Dec. 11.

Rooksby, William H., Trafford Park, Manchester, assignor to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England. Apparatus for reinforcing asbestos-cement sheets. 2,578,598, Dec. 11.

Root, Homer L., Transfer, Pa. Aquatic device. 2,577,917, Dec. 11.

Rosan, Joseph, Balboa Island, Calif. Screw-threaded insert. 2,577,810, Dec. 11.

Rose, Helen F.: *See*—
Love, Jesse L., Rose, and Love.

Rose, Jay, New York, N. Y. Insulation device. 2,578,599, Dec. 11.

Rose, Jay, New York, N. Y. Insulation device. 2,578,600, Dec. 11.

Rosenstein, Ludwig, San Francisco, Calif., assignor to Texaco Development Corporation, New York, N. Y. Dethiolizing hydrocarbons and other organic liquids. 2,578,602, Dec. 11.

Rosenthal, Adolph H., New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation. Supersonic light modulator. 2,578,601, Dec. 11.

Ross, Elmer R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Internally expanding brake. 2,578,152, Dec. 11.

Rothman, Emil, assignor to Edward Ermold Company, New York, N. Y. Apparatus for inverting article containers. 2,578,603, Dec. 11.

Rovas, Tobias, assignor of forty per cent to Ohio Knitting Mills, Inc., Cleveland, Ohio. Method and apparatus for warping a beam. 2,578,017, Dec. 11.

Rovas, Tobias, assignor of forty per cent to Ohio Knitting Mills, Inc., Cleveland, Ohio. Warp beam collar. 2,578,018, Dec. 11.

Rowe, Harold E., assignor to The M. W. Kellogg Company, New York, N. Y. Air jacketed combustion chamber flame tube. 2,577,918, Dec. 11.

Roy, Maurice, assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Association on flying machine of compressor-jet units with ram-jet units. 2,577,919, Dec. 11.

Roy, Richard F.: *See*—
Orozco, Gilbert H., and Roy.

Rozwens, Joseph M., assignor to A. Brandwein & Company, Chicago, Ill. Sofa bed. 2,578,453, Dec. 11.

Ruben, August, Brooklyn, N. Y., assignor to Continental Silver Co. Inc. Dish holder. 2,578,646, Dec. 11.

Russell, Robert G., and R. B. Wiley, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for mixing viscous liquids. 2,577,920, Dec. 11.

Rutledge, Harry E., Pittsburgh, Pa. Pole hinge. 2,577,811, Dec. 11.

Ryan, Catherine M., Cleveland Heights, Ohio. Artificial limb. 2,578,019, Dec. 11.

S & C Electric Company, assignee: *See*—
Lindell, Sigurd I.

S-P Manufacturing Corporation, The, assignee: *See*—
Sampson, Merritt B.

Saalfrank, Royal B., Gulfport, Fla., assignor to Milton Roy Company, Springfield Township, Pa. Bellows pump. 2,578,265, Dec. 11.

Saives, Léon, assignor to Regie Nationale des Usines Renault, Billancourt, France. Drilling and swarf clearing device for machine tools. 2,578,454, Dec. 11.

Samel, Emanuel, Denville, N. J. Upholstery spring construction. 2,577,812, Dec. 11.

Samel, Emanuel, Denville, N. J. Cord attachment means for upholstery spring. 2,577,813, Dec. 11.

Samel, Ruth, and M. Wotzilka, assignor to E. Norland, London, England. Dyeing, bleaching, and treating living hair. 2,577,921, Dec. 11.

Sampson, Merritt B., assignor to The S-P Manufacturing Corporation, Cleveland, Ohio. High-speed rotating cylinder. 2,577,858, Dec. 11.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Filter cartridge container. 2,578,020, Dec. 11.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Making a locking ring and plate assembly. 2,578,021, Dec. 11.

Sandler, William, New York, N. Y. Nonrefillable bottle cap and spout. 2,577,980, Dec. 11.

Santoni, Ermenegildo, assignor to Societa per Azioni Officine Galileo, Florence, Italy. Shutter device of the lamellar type for cameras, aerial cameras, survey cameras, and the like. 2,578,604, Dec. 11.

Saroudy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Bucket for transporting concrete or the like. 2,577,922, Dec. 11.

Saunderson, Jason L., V. J. Caldecourt, and E. W. Peterson, Midland, Mich., assignors to The Dow Chemical Company. Photoelectric instrument for direct spectrochemical analysis by the internal standard method. 2,577,814, Dec. 11.

Saunderson, Jason L., V. J. Caldecourt, and E. W. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Photoelectric instrument for direct spectrochemical analysis by the internal standard method. 2,577,815, Dec. 11.

Savoy, Michael: *See*—
Bernard, George G., and Savoy.

Schaefer, John, Strum, Wis. Wheel rotating device. 2,578,266, Dec. 11.

Schaeffer, Robert A., assignee: *See*—
Kluver, James B.

Schillinger, Christian, Hazleton, Pa. Adjustable comfort cow stall. 2,578,093, Dec. 11.

Schirmer, Waldo P., Brecksville, Ohio. Hose reel operating mechanism for gasoline pumps. 2,577,859, Dec. 11.

Schmidt, Francis M.: *See*—
Hayslett, Lamar E., and Schmidt.

Schmidt, Gottfried J., Pearl River, N. Y., assignor to American Machine and Foundry Company. Bowling pin setting machine. 2,578,319, Dec. 11.

Schmitt, Joseph J., Erie, Pa. Aerating mixing spoon. 2,578,208, Dec. 11.

Schmitz, Frederick J., Chicago, Ill. Toilet seat locking hinge. 2,578,153, Dec. 11.

Schneider, Helmuth G., Westfield, D. W. Young, Roselle, and J. P. Rocca, Linden, N. J., assignors to Standard Oil Development Company. Polyethylene-wax compositions. 2,577,816, Dec. 11.

Schoenbrod, Leslie K., assignor to Electro Manufacturing Corporation, Chicago, Ill. Lighting fixture installation. 2,578,022, Dec. 11.

Schoor, Samuel, assignor, by mesne assignments, to Copper Clad Products Inc., Newark, N. J. Rack. 2,577,860, Dec. 11.

Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus for successively copying each side of a document. 2,578,320, Dec. 11.

Schueder, George, and H. L. Duniap, Dearborn, and J. Gavagan, assignors to Evans Products Company, Detroit, Mich. Foldable seat. 2,577,817, Dec. 11.

Schwarz, Howard G., Newbury, assignor to The Art Electrotype Company, Cleveland, Ohio. Making molds for electrotypes. 2,578,209, Dec. 11.

Scott, Carl W.: *See*—
White, Frank J., and Scott

Scott, Roy J.: *See*—
Giles, Jeremiah D., and Scott.

Scott, Walter J., Hinsdale, and C. C. Veale, West Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Producing parts. 2,577,923, Dec. 11.

Scragg, Ernest, & Sons Limited, assignee: *See*—
Findlow, Eric.

Sears, Daniel S., Cuyahoga Falls, and E. B. Newton, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Surface-treated silica. 2,578,605, Dec. 11.

Sears, Richard E., Cleveland Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Engine starter jaw meshing mechanism. 2,578,094, Dec. 11.

Seeberger, Louis M.: *See*—
Greenleaf, Francis D., Seeberger, and Buder.

Seely, Richard E., Fort Wayne, Ind., assignor to General Electric Company. Circuit for measuring the resistance of energized alternating current apparatus. 2,578,455, Dec. 11.

Segebrecht, Ervin W.: *See*—
Ralston, Anderson W., Barrett, and Segebrecht.

Seismograph Service Corporation, assignee: *See*—
Hawkins, James E.

Sekely, Carl, Salem, Ohio. Grass shears. 2,578,606, Dec. 11.

Selfridge, Leroy K., Portland, Oreg. Adjusting means for chain wrench. 2,577,861, Dec. 11.

Selinger, Anton, New England, and O. Bakke, De Sart, N. Dak. Machine for moving boxcars. 2,578,267, Dec. 11.

Sengebusch, Hans, Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Multidirectional selective switch. 2,578,095, Dec. 11.

Senn Corporation, assignee: *See*—
Coake, Charles F.

Senogles, John J., Los Angeles, Calif. Curtain guard. 2,578,607, Dec. 11.

Shacikoski, Anthony, Avonmore, Pa. Mine roof scaler. 2,577,924, Dec. 11.

Shafer, Clarence W., assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipe rest. 2,578,321, Dec. 11.

Shallenberg, Walter, assignor to The Deming Company, Salem, Ohio. Pump. 2,578,322, Dec. 11.

Shanklin, John P., assignor to Collins Radio Company, Cedar Rapids, Iowa. Radiant energy antenna. 2,578,154, Dec. 11.

Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Gas purification. 2,578,490, Dec. 11.

Shaw, Charles K., Jr., Pawtucket, R. I., assignor to Shaw-Randall Company, Inc. Dispensing container for stacked elongated articles. 2,577,862, Dec. 11.

Shaw-Randall Company, Inc., assignee: *See*—
Shaw, Charles K., Jr.

Shaw, Richard W., Dayton, Ohio. Deep smooth surface finishing process. 2,577,818, Dec. 11.

Shell Development Company, assignee: *See*—
Fetterly, Lloyd C.
Hackmann, Johannes T.
Morris, Rupert C., Buls, and Ballard.

Shellmar Products Corporation, assignee: *See*—
Southwick, Charles A., Jr.

Shelton, Francis K.: *See*—
Churchward, Ruth E., and Shelton.

Sherwin, Chalmers W., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Voltage clamping circuit. 2,578,268, Dec. 11.

Short, Frank, Canton Center, Conn. Screw thread tester. 2,577,819, Dec. 11.

Shrader, Terry M., Oaklyn, N. J., assignor to Radio Corporation of America. Magnetic wire recording. 2,578,023, Dec. 11.

Shropshire, Ralph F., Cambridge, Mass., assignor to Raytheon Manufacturing Company. Accelerating the growth of microorganisms. 2,578,491, Dec. 11.

Shull, Charles L., Horseheads, N. Y. Screw and nut mechanism. 2,578,608, Dec. 11.

Sillaway, Luella R., Manhasset, N. Y. Infant's sleeping garment. 2,578,323, Dec. 11.

Silva, Leola, Oakland, Calif. Liquid face rouge. 2,578,210, Dec. 11.

Simpkins, Robert L., Royal Oak, J. S. Materka, Dearborn, and H. A. Elliott, assignors to Essex Wire Corporation, Detroit, Mich. Twelve cavity grommet mold. 2,578,492, Dec. 11.

Sinclair Refining Company, assignee: *See*—
Smith, Reading B.

Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Recording scale. 2,577,820, Dec. 11.

Sinton, James H., Colorado Springs, Colo. Plastic bow tie. 2,578,269, Dec. 11.

Siple, Paul A.: *See*—
Ionides, Margaret L., and Siple.

Sire, Edouard M., New York, N. Y. Skee-ball game apparatus. 2,578,375, Dec. 11.

Sjöstrand, Bror E.: *See*—
Brange, Lennart B. V., and Sjöstrand.

Skiatron Electronics and Television Corporation, assignee: *See*—
Rosenthal, Adolph H.

Skudre, Arnold M., Quincy, assignor to Raytheon Manufacturing Company, Newton, Mass. Window mounting. 2,577,783, Dec. 11.

Skydyne, Inc., assignee: *See*—
Mautner, Steven E.

Slates, Harry L.: *See*—
Wendler, Norman L., and Slates.

Slider, George, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Differential mechanism. 2,578,155, Dec. 11.

Smith, Alexander, Sanford, Fla. Wheeled attachment for boats. 2,578,376, Dec. 11.

Smith, Carl H., Jr.: *See*—
Hoeppner, Conrad H., and Smith.

Smith, Edmund G., Cedar Grove, and O. M. Cocchiarella, Newark, assignors to Equipment Development Co., Inc., Montclair, N. J. Tube thickener. 2,578,636, Dec. 11.

Smith, John D. L., Freeport, N. Y., assignor to Centrifuge Mechanical Equipment, Inc., Hoboken, N. J. Centrifugal separator. 2,578,456, Dec. 11.

Smith, Oliver R., Fort Worth, Tex. Vehicle with drive shaft coupled to forward extremity of engines. 2,578,156, Dec. 11.

Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons with finely divided catalysts utilizing sonic vibrations. 2,578,377, Dec. 11.

Smith, Robert L., and M. A. Wight, Jr., Amherst, assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H. Article with water-sensitive gum coating and manufacture. 2,577,821, Dec. 11.

Smith, Robert P., Monrovia, Calif. Medicine cabinet. 2,578,096, Dec. 11.

Societa per Azioni Officine Galileo, assignee: *See*—
Santoni, Ermenegildo.

Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Roy, Maurice.

Societe La Cellophane (Swisse), assignee: *See*—
Brandenberger, Jacques E.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Pinney, Ernest F.

Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Method of and apparatus for reconditioning phonographic records. 2,578,457, Dec. 11.

Sooy, Brainard E.: *See*—
Fisher, Harry C., and Sooy.

Sosnowich, Michael, Brooklyn, N. Y. Paper dust collecting bag for vacuum cleaners. 2,577,863, Dec. 11.

Soss, Mark, Spokane, Wash. Vehicle mounted chain-saw wood sawing machine. 2,578,097, Dec. 11.

Southard, John C., Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Aluminum base alloy. 2,578,098, Dec. 11.

Southwick, Charles A., Jr., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Desiccant pouch. 2,578,324, Dec. 11.

Spain, Roy C., Salem, Va., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Side bar cylinder lock. 2,578,211, Dec. 11.

Sparks, William J., and R. M. Thomas, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Cyclodiene isobutylene copolymers. 2,577,822, Dec. 11.

Specialties Development Corporation, assignee: *See*—
Faust, Delbert G.
Miller, Louis P.

Spencer, Lee, Phoenix, Ariz. Alterable common gauge railway track construction. 2,578,099, Dec. 11.

Spero, George B.: *See*—
Levin, Robert H., McIntosh, and Spero.
Levin, Robert H., Spero, and Thompson.

Sperry Corporation, The, assignee: *See*—
Lyon, Floyd A.

Sperry Products, Inc., assignee: *See*—
Carlin, Benson.

Sprague, Enoch K.: *See*—
Hatton, Arthur T., and Sprague.

Stacy, Gardner W.: *See*—
Lisk, George F., and Stacy.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Hydraulic motor control. 2,577,981, Dec. 11.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for forming fibers. 2,578,100, Dec. 11.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for producing fibers from glass and other heat softenable materials. 2,578,101, Dec. 11.

Standard Oil Company, The, assignee: *See*—
Stine, Harrison M.

Standard Oil Development Company, assignee: *See*—
McAteer, James H., and Morrell.
Nelson, Joseph F.
Schneider, Helmuth G., Young, and Rocca.

Stanolind Oil and Gas Company, assignee: *See*—
Cloud, Raymond T.

Starý, Miroslav: *See*—
Piller, Bohumil, Zmatlík, Pinkava, and Starý.

Stauffer Chemical Company, assignee: *See*—
Bauer, William V.
Macdougall, Iver C.

Steinmayer, Alwin G., Milwaukee, and E. A. Link, South Milwaukee, Wis., assignors to McGraw Electric Company. Method and apparatus for impregnating electrical instrumentalities. 2,578,024, Dec. 11.

Stephenson, Robert M., and W. F. Dozier, Oakland, and R. K. McCoy, Berkeley, Calif., said Dozier and said McCoy assignors to said Stephenson. Antisurge mechanism for fluid spray apparatus. 2,578,102, Dec. 11.

Sternbach, Victor E., Bronx, N. Y. Dough shaping, treating, and filling device. 2,577,925, Dec. 11.

Stevens, Clarence A., Wichita, Kans. Crop pickup and feeding implement. 2,578,609, Dec. 11.

Stevens, Joe O.: *See*—
Melvin, Francis F., and Stevens.

Stewart, Hugh W.: *See*—
Denton, John J., and Stewart.

Stiles, John W., New York, N. Y. Adjustable conveyer device. 2,577,926, Dec. 11.

Stine, Harrison M., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Hydrodesulfurization of sulfur-containing hydrocarbon fractions. 2,577,823, Dec. 11.

Stine, Harrison M., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Removing mercaptans from hydrocarbons with alkali impregnated charcoal. 2,577,824, Dec. 11.

Striteler, Charles H., Hilladale, and P. O. Tawney, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Preparing esters of 1,2,4-butanetriol. 2,578,647, Dec. 11.

Stockmar, Albert H., Villa Rica, Ga. Arcuate-edged discharge opening for hopper, and an arcuate closure for said opening. 2,577,927, Dec. 11.

Stolberg, Sven A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Automatic stop mechanism for record changers. 2,578,378, Dec. 11.

Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Cabinet hinge. 2,578,610, Dec. 11.

Stoughton, Roger W., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. 2,4-oxazolidinediones. 2,578,611, Dec. 11.

Strain, Franklin, Norton Center, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stable chlorinated melamine composition. 2,578,270, Dec. 11.

Stregack, Boris M., Brooklyn, N. Y. Invisibly hinged handbag frame. 2,578,612, Dec. 11.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Transformer. 2,577,825, Dec. 11.

Strong, Herbert M.: *See*—
Bundy, Francis P., and Strong.

Stulce, William L., Harrison, Tenn. Hive cover with built-in top entrance. 2,578,103, Dec. 11.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Pfarrwaller, Erwin.

Sun, Kuan-Han, Pittsburgh, Pa., and M. L. Huggins, assignors to Eastman Kodak Company, Rochester, N. Y. Oxyfluoride glasses. 2,578,325, Dec. 11.

Sun Oil Company, assignee: *See*—
Hetzel, Stanford J.

Sussman, Harry, Great Neck, N. Y., assignor to Radio Corporation of America. Second and third harmonic generator. 2,578,613, Dec. 11.

Sweeny, Alfred A., Denver, and M. F. Sweeny, Silt, Colo. Printing telegraph system. 2,578,025, Dec. 11.

Sweeny, Maurice F.: *See*—
Sweeny, Alfred A. and M. F.

Sylvan, Joseph, Berkley, Mich. Wall construction panel. 2,578,614, Dec. 11.

Sylvania Electric Products Inc., assignee: *See*—
Brent, George D. P.
McCarthy, Henry J.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M., and Hoff.

Tapping, Charles W.: *See*—
Galt, Arthur W. W., and Tapping.

Tarex S. A., assignee: *See*—
Bodmer, Ernest.

Taube, David, Paris, France. Machine for cutting sheet materials. 2,578,637, Dec. 11.

Tawney, Pliny O.: *See*—
Striteler, Charles H., and Tawney.

Taylor, Colin B.: *See*—
Haworth, Lionel, and Taylor.

Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,578,026, Dec. 11.

Taylor Instrument Companies, assignee: *See*—
Liberatore, Laurence C.

Taylor, James Y., Garland, Tex. Liquid level gauge. 2,578,104, Dec. 11.

Taylor, James Y., Garland, Tex. Die-casting apparatus. 2,578,105, Dec. 11.

Taylor, James Y., Garland, Tex. Opaque projection apparatus with adjustable tray and platen means. 2,578,106, Dec. 11.

Taylor, Matthew M., Spondon, near Derby, England, assignor to Celanese Corporation of America. Yarn-carrying device. 2,577,928, Dec. 11.

Taylor, Matthew M., Spondon, near Derby, England, assignor to Celanese Corporation of America. Shuttle. 2,577,929, Dec. 11.

Taylor, Samuel M., Vallejo, Calif. Pivoted jaw closure remover with eccentric pivot. 2,578,379, Dec. 11.

Teegen, Hermann, Bunde, Westfalia, assignor to Lohmann-Werke A. G., Bielefeld, Germany. Preparing ignitable mixtures. 2,578,380, Dec. 11.

Teleflex Products Limited, assignee: *See*—
Plie, Sydney.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Emanuelsson, Gunnar G.

Teletype Corporation, assignee: *See*—
Halvorsen, Ralph H.

Teufel, George, Portland, Oreg. Container for flowers. 2,578,271, Dec. 11.

Texaco Development Corporation, assignee: *See*—
Rosenstein, Ludwig.

Texas Company, The, assignee: *See*—
McMillan, Wallace A.

Textile Machine Works, assignee: *See*—
Anke, Rudolph.

Thacker, Bernard J., Montebello, S. C. Harris, Downey, and W. O. Newstrom, assignors, to I. H. Harris, Jr., Glendale, Calif. Shipping package for storage batteries. 2,578,107, Dec. 11.

Thierry, John A., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Operating mechanism for material-handling machines. 2,577,826, Dec. 11.

Thomas, Albert G., Alexandria, Va., assignor, by mesne assignments, to Kearney & Trecker Corporation, West Allis, Wis. Electromagnetic device. 2,578,648, Dec. 11.

Thomas, Arthur R.: *See*—
Turner, Donald C., and E. F. and A. R. Thomas.

Thomas, Edward F.: *See*—
Turner, Donald C., and E. F. and A. R. Thomas.

Thomas, Orrin H., assignee: *See*—
Geistweit, John D.

Thomas, Robert M.: *See*—
Sparks, William J., and Thomas.

Thomas, Samuel E., Enid, Okla. Gate latch. 2,577,930, Dec. 11.

Thompson, Arthur C. R., Cheltenham, assignor to Power Jets (Research and Development) Limited, London, England. Liquid fuel burner. 2,578,272, Dec. 11.

Thompson, Harry C., Chester, Vt., assignor to Radio Corporation of America. Electron discharge device and associated circuits. 2,578,458, Dec. 11.

Thompson, John L.: *See*—
Levin, Robert H., Spero, and Thompson.

Thompson, Joseph H., Gastonia, N. C. Equipment for use in handling invalids. 2,578,382, Dec. 11.

Thompson, Judson L., Manufacturing Company, assignee: *See*—
Havener, Arthur R.

Thompson Products, Inc., assignee: *See*—
Gibian, Emil F.
Ricks, Bernard E.

Thornton, John W., San Francisco, and P. D. Donlon, Piedmont, Calif., assignors to Prefab Stairs and Tile, Inc. Stairs. 2,577,864, Dec. 11.

Thornton, Loxia C., Fresno, Calif. Leg brace. 2,578,108, Dec. 11.

Throne, Dallas, La Verne, assignor of one-half to J. C. Reher, Jr., Covina, Calif. Flash synchronizer mounting for cameras. 2,578,157, Dec. 11.

Tichenor, Robert L., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Storage battery charging system and method. 2,578,027, Dec. 11.

Tillberg, Olof V., Solna, Sweden. Valve with a variable range of regulation. 2,578,109, Dec. 11.

Tillman, Paul C., San Diego, Calif. Crank handle with counter-balancing means. 2,577,931, Dec. 11.

Tilo Roofing Company, Inc., assignee: *See*—
Giles, Jeremiah D., and Scott.

Time, Inc., assignee: *See*—
Dutro, Orville V.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Sheet metal snap fastener. 2,578,381, Dec. 11.

Tinnerman Products, Inc., assignee: *See*—
Judd, Charles H.
Tinnerman, George A.

Tishler, Max, Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparing metal salts of penicillin. 2,577,865, Dec. 11.

Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Purification of benzene polycarboxylic acids by an oil sublimation process. 2,578,326, Dec. 11.

Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Shield for garment hangers. 2,578,383, Dec. 11.

Tomaszewski, Max M.: *See*—
Goldsbarry, Albert W., and Tomaszewski.

Tompkins, Charles B., U. S. Navy. Pulse recognition device. 2,577,827, Dec. 11.

Tooley, Fay V., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Production of glass. 2,578,110, Dec. 11.

Toot, David F., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Electrical circuit for transmission and clutch control. 2,578,158, Dec. 11.

Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Copying lathe. 2,577,932, Dec. 11.

Tote Engineering, Inc., assignee: *See*—
White, Frank J., and Scott.

Townsend, Charles E., Jr., assignee: *See*—
Beaudet, Telesphore J.

Townsend, Stephen S., assignee: *See*—
Beaudet, Telesphore J.

Tranter, Watson W., assignor to A. B. Farquhr Company, York, Pa. Sprayer head control mechaniam. 2,577,828, Dec. 11.

Traum, Julius A., New York, N. Y. Illuminated picture support. 2,577,982, Dec. 11.

Triggs, Ronald G., assignor to The Globe Company, Chicago, Ill. Measuring and filling machine. 2,577,933, Dec. 11.

Trimble, Inc., assignee: *See*—
Palmquist, Marvin E., and Lundstrom.

Tubacki, Anthony F., Detroit, Mich. Combination desk. 2,577,934, Dec. 11.

Turners Asbestos Cement Company Limited, assignee: *See*—
Rooksby, William H.

Turner, D. C., Inc., assignee: *See*—
Turner, Donald C., and E. F. and A. R. Thomas.

Turner, Donald C., Brighton, and E. F. and A. R. Thomas, assignors to D. C. Turner, Inc., Rochester, N. Y. Folding bellows for photographic devices. 2,578,111, Dec. 11.

Turners Asbestos Cement Company Limited, assignee: *See*—
Nash, Frank L.

Tuttle, Fordyce E., and W. Bornemann, assignors to Eastman Kodak Company, Rochester, N. Y. High-speed camera. 2,578,327, Dec. 11.

Twardowski, John J., Greenvale, N. Y. Micrometer measuring and scribing tool. 2,578,615, Dec. 11.

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Throttle controlled carburetor producing a rich mixture for an exhaust turbine. 2,578,028, Dec. 11.

Union Carbide and Carbon Corporation, assignee: *See*—
Burnham, Robert R., Anderson, and Matheson.
Field, Theophilus A., Jr.

United Aircraft Corporation, assignee: *See*—
Wallace, Rudolf N.

United-Carr Fastener Corporation, assignee: *See*—
Bedford, William A., Jr.

United Shoe Machinery Corporation, assignee: *See*—
Griswold, Stanley M., and Paulsen.
Miller, Lloyd G.
Topham, Laurence E.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Fried, Sherman, and Davidson.

United States Rubber Company, assignee: *See*—
Striteler, Charles H., and Tawney.
Wilhelm, Kurt E.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S.
Pines, Herman, and Ipatieff.
Pines, Herman, and Vesely.
West, James P.

Upjohn Company, The, assignee: *See*—
Levin, Robert H., McIntosh, and Spero.
Levin, Robert H., Spero, and Thompson.

Vacuum Concrete, Inc., assignee: *See*—
Billner, Karl P.

Vahlteich, Hans W., Edgewater, N. J., C. M. Gooding, Staten Island, N. Y., and R. H. Neal, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Glyceridic oil compositions and producing same. 2,578,649, Dec. 11.

Vance, John E., North Canton, Ohio. Garden hose reel and sprinkler. 2,578,159, Dec. 11.

Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Tunnel kiln. 2,577,935, Dec. 11.

Van Der Werff, Jacob B., Burbank, Calif., assignor to General Metals Corporation. Rotary fluid valve. 2,578,160, Dec. 11.

Van Vessem, John, Cleveland, Ohio. Hunter's blind. 2,577,983, Dec. 11.

Vaughn, Charles C., Okmulgee, Okla. Cap attached pencil holder. 2,578,112, Dec. 11.

Veale, Charles C.: *See*—
Scott, Walter J., and Veale.

Vesely, Jerome A.: *See*—
Pines, Herman, and Vesely.

Viking Corporation, assignee: *See*—
Bendersky, David, Gage, and Yocum.

Visor, Frederick C., assignor to Publicker Industries Inc., Philadelphia, Pa. Production of unsaturated acids. 2,577,829, Dec. 11.

Von Bramer, Harold, J. E. Magoffin, and M. Clemens, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Reducing nitroanilines. 2,578,328, Dec. 11.

Von Dardel, Georges E.: *See*—
Larsson, Frans T. and F. A., von Dardel, and Nettelbladt.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label applying mechanism. 2,578,329, Dec. 11.

Von Kohorn, Henry, Westchester County, N. Y. Thread advancing reel. 2,578,330, Dec. 11.

Wachtell, George P., Princeton, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electronic time delay device. 2,578,273, Dec. 11.

Wade Tool Co., The, assignee: *See*—
Dodge, Floyd L.

Waggoner, Jack H., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Colored glass fiber product and making same. 2,577,936, Dec. 11.

Wagner Electric Corporation, assignee: *See*—
Bauer, Earl W.

Wagner, Herbert L., Detroit, assignor to Detroit Stoker Company, Monroe, Mich. Agitator for spreader stoker feeders. 2,578,161, Dec. 11.

Wagstaff, James B.: *See*—
Benedict, Manson, Wagstaff, and Webb.

Wald, Sidney, Collingswood, and T. E. Dunn, Pennsauken, N. J., assignors to Radio Corporation of America. Voltage regulator. 2,578,385, Dec. 11.

Waldron, Frederic B., Eccleston Park, Prescot, and J. H. Griffin, St. Helens, assignors to Pilkington Brothers Limited, Liverpool, England. Method of and apparatus for grinding flat glass on both faces simultaneously. 2,577,937, Dec. 11.

Wall, Eugene J., Springfield, Ill. Shoe skate and stop assembly. 2,578,384, Dec. 11.

Wallace, Edward M., Union, N. J. Hand shears for pinking. 2,578,616, Dec. 11.

Wallace, Rudolf N., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Free piston unit assembly. 2,578,162, Dec. 11.

Walte, Charles, Sr., Louisville, Ky. Rotary blade power lawn mower. 2,577,938, Dec. 11.

Wannebo, Otto, Pine River, Minn. Mounting for guard finger with ledger plates. 2,577,939, Dec. 11.

War, United States of America as represented by the Secretary of, assignee: *See*—
Lisk, George F., and Stacy.

Warnecke, Harry W., Putnam Valley Township, Putnam County, N. Y. Making color printing plates. 2,577,984, Dec. 11.

Warren, Charley W., Paradise, Calif. Metal skin stitcher. 2,578,212, Dec. 11.

Warth, William H.: *See*—
Evans, Orville L., and Warth.

Watcher, Albert K., Kenwood, and W. B. Dulaney, Cincinnati, assignors to The Cleveland Automatic Machine Company, Norwood, Ohio. Machine tool transmission and control. 2,578,113, Dec. 11.

Watson, Riaph M., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Multistage centrifugal compressor. 2,578,617, Dec. 11.

Watts, William S., Dearborn, and L. G. Carmick, Jr., Dearborn Township, Wayne County, assignors to Evans Products Company, Detroit, Mich. Combined road and rail vehicle. 2,577,830, Dec. 11.

Weatherhead Company, The, assignee: *See*—
Baldwin, John D., Jr.
Hribar, Frank.
Hufferd, George H.

Webb, George B.: *See*—
Benedict, Manson, Wagstaff, and Webb.

Webb, Wesley L., Glenmoore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Centering device for plastic funnels. 2,577,866, Dec. 11.

Webber, Fred C., Portland, Maine. Bleacher back. 2,578,114, Dec. 11.

Webster, Stanley F., Nashville, Tenn. Garment hanger. 2,577,940, Dec. 11.

Weeks, William L., Shawsville, Va. Map holder. 2,578,493, Dec. 11.

Weidinger, Robert C., Sr., Norwalk, Ohio. Vehicle steering and braking mechanism. 2,577,831, Dec. 11.

Weigham, William R., Coventry, England, W. J. C. Field, Holywell, Wales, and F. G. Dunton, Coventry, assignors to Courtaulds Limited, London, England. Manufacture of viscose. 2,578,274, Dec. 11.
Weiks, John E., Seattle, Wash. Baffle plate for use in tube type heat exchangers. 2,577,832, Dec. 11.
Weinland, George F., Canadensis, Pa. Cord twisting machine. 2,578,618, Dec. 11.
Weiblund, Albert G., Sudbury, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Vibrating mechanism for dynamic mold casting machines. 2,578,213, Dec. 11.
Wendler, Norman L., Linden, and H. L. Slates, Cranford, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of beta-methylcrotonaldehyde. 2,577,867, Dec. 11.
Wenk, Edward A., New York, N. Y. Apparatus for dewaxing and dehydrating refrigerants. 2,577,834, Dec. 11.
Wescot Development Corporation, The, assignee: *See*— Croce, Santy M.
West, Franklin G., Garden City, Kans. Sack holder and dispenser. 2,578,115, Dec. 11.
West, James P., Westmont, assignor to Universal Oil Products Company, Chicago, Ill. Drying oil composition. 2,578,214, Dec. 11.
Westberg, Johan E. H.: *See*— Björklund, Gustaf E., and Westberg.
Westby, George, Boulder City, Nev., assignor to the United States of America as represented by the Secretary of the Interior. Electrowinning chromium. 2,577,833, Dec. 11.
Western Electric Company, Incorporated, assignee: *See*— Henning, George E. Scott, Walter J., and Veale.
Western Wire Products Company, assignee: *See*— Young, Harry M.
Westinghouse Electric Corporation, assignee: *See*— Boosinger, Thomas H.
Whalen, Edward A., assignor to Wha-Lite Products, Chicago, Ill. Plasterer's darby. 2,578,163, Dec. 11.
Wha-Lite Products, assignee: *See*— Whalen, Edward A.
White, Calvin F., assignor to The Moore Company, Muncie, Ind. Bedspring. 2,578,331, Dec. 11.
White, Frank J., and C. W. Scott, Beatrice, Nebr., assignors to Tote Engineering, Inc., Seattle, Wash. Receptacle tilting and unloading device. 2,578,116, Dec. 11.
Whiteman, Irvin R., Philadelphia, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Air-free lubricant pump discharge system. 2,578,275, Dec. 11.
Whitley, Paul J.: *See*— McNabb, Carlos, Whitley, and Morrow.
Whitworth, Sir W. G. Armstrong, Aircraft Limited, assignee: *See*— Plester, Joseph.
Wicks, Zeno W.: *See*— Kass, Peter, and Wicks.
Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Grommet applying tool with resiliently urged longitudinally shiftable upsetting element. 2,578,619, Dec. 11.
Wiggins, Harry S., Long Beach, Calif. Electric switch. 2,578,494, Dec. 11.
Wight, Marshall A., Jr.: *See*— Smith, Robert L., and Wight.
Wiley, Ronald B.: *See*— Russell, Robert G., and Wiley.
Wilhelm, Kurt E., Warren, R. I., assignor to United States Rubber Company, New York, N. Y. Controlling thread tension. 2,578,620, Dec. 11.
Williams, Alan F.: *See*— Jennings, Raymond J. S., and Williams.
Williams, Arthur, Munster, Ind., assignor to Combustion Engineering-Superheater, Inc. Water tube firebox for locomotive boilers. 2,578,332, Dec. 11.
Williams, George R., United States Navy. Engine timing device. 2,577,835, Dec. 11.
Williams, Harvey A., Davison, Mich. Gun sight mounting. 2,578,386, Dec. 11.
Williams, James W., 3rd: *See*— Yarnall, David R., and Williams.
Williams, Richard P.: *See*— Balzer, Manuel M., and Williams.
Williman, Philip E., Chicago, assignor to McGraw Electric Company, Elgin, Ill. Coffee maker. 2,577,985, Dec. 11.
Willson, Corwin D., Flint, Mich. Mobile dwelling. 2,577,836, Dec. 11.
Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Expansion bit. 2,577,986, Dec. 11.
Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Bit with detachable blade. 2,577,987, Dec. 11.
Wilson, Lucas, Denver, Colo. Apparatus for dispensing predetermined quantities of liquids. 2,578,215, Dec. 11.
Windus, Donald W., Streator, Ill., assignor to Owens-Illinois Glass Company. Chuck. 2,577,941, Dec. 11.
Winslow, James C., Inglewood, assignor to Winslow Product Engineering Corp., Los Angeles, Calif. Knitting needle. 2,578,117, Dec. 11.
Winslow Product Engineering Corp., assignee: *See*— Winslow, James C.
Winter, John R., Jr., assignor to J. R. Winter, Sr., Detroit, Mich. Rocker arm. 2,578,638, Dec. 11.
Winter, John R., Sr., assignee: *See*— Winter, John R., Jr.
Wirth, Otto, assignor to Micafil A.-G., Zurich, Switzerland. Coil form. 2,578,495, Dec. 11.
Wirth, Sidney R., River Forest, assignor to Advertising Metal Display Co., Chicago, Ill. Display board. 2,577,988, Dec. 11.
Wissel, Francis A., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Video amplifier coupling network for television receivers. 2,577,868, Dec. 11.
Wodicka, Virgil O.: *See*— Martin, Charles F., and Wodicka.
Wood, George H., Jr.: *See*— Farnworth, Edwin, and Wood.
Wood, Paul J., Danville, Ill. Apparatus for measuring apparent density of flour, meal, and the like. 2,578,118, Dec. 11.
Worthington, Emory W., Chicago, and C. V. Knell, Glen Ellyn, assignors to The Goss Printing Press Company, Chicago, Ill. Rotary printing press frame structure. 2,577,989, Dec. 11.
Worthington Pump and Machinery Corporation, assignee: *See*— Cronk, George W. Watson, Ralph M.
Wotzilka, Minna: *See*— Samel, Ruth, and Wotzilka.
Wright, Richard C., Bay Village, Ohio., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Industrial stoker drive. 2,578,650, Dec. 11.
Wurlitzer, Rudolph, Company, The, assignee: *See*— Hayslett, Lamar E., and Schmidt.
Wyman, Clarence E.: *See*— McNair, Samuel L., and Wyman.
Yale & Towne Manufacturing Company, The, assignee: *See*— Spain, Roy C.
Yant, William P., Murraysville, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Respirator mask. 2,578,621, Dec. 11.
Yarnall, David R., Philadelphia, and J. W. Williams, 3rd, Ambler, assignors to Yarnall-Waring Company, Philadelphia, Pa. Circuit closer for high-low alarms. 2,578,276, Dec. 11.
Yarnall-Waring Company, assignee: *See*— Yarnall, David R., and Williams.
Yench, Frank A., Two Rivers, Wis. Scaffolding device. 2,578,119, Dec. 11.
Yocum, Wallace M.: *See*— Bendersky, David, Gage, and Yocum.
York, William S., assignor to Northern Marine Corporation, Bellingham, Wash. Net roller for fishing boats. 2,578,622, Dec. 11.
Young, David W.: *See*— Schneider, Helmuth G., Young, and Rocca.
Young, Everett E., Co., Inc., assignee: *See*— McNair, Samuel L., and Wyman.
Young, Harry M., Webster Groves, assignor to Western Wire Products Company, St. Louis, Mo. Wire-forming machine. 2,578,216, Dec. 11.
Young, W. Harrison, Inc., assignee: *See*— Kirby, Kathryn.
Youngstown Sheet & Tube Company, The, assignee: *See*— Aubrey, Richard, Jr., and Chambers.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic color correction process. 2,578,333, Dec. 11.
Zavody pre Chemicku Vyrobu, narodny podnik, assignee: *See*— Piller, Bohumil, Zamtlik, Pinkava, and Stary.
Zeman, Louis, Danbury, Nebr. Guide for window sashes. 2,578,120, Dec. 11.
Zifferer, Lothar R., York, Pa. Introduction of magnesium into molten iron. 2,577,837, Dec. 11.
Ziskin, Manuel S., University Heights, and L. W. Cline, Berea, assignors to Kromex Corporation, Cleveland, Ohio. Filtering device for coffee makers. 2,577,990, Dec. 11.
Zmatlik, Josef: *See*— Piller, Bohumil, Zmatlik, Pinkava, and Stary.
Zuckerman, Arthur E., assignee: *See*— Kershaw, Henry.
Zuckerman, Herbert L., assignee: *See*— Kershaw, Henry.
Zuckerman, Honi, assignee: *See*— Kershaw, Henry.
Zurndorfer, Esther E. M., Chicago, Ill. Telescoping hairdressing comb. 2,577,991, Dec. 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Toaster, Electric. A. M. Young. Re. 23,439, Dec. 11.

LIST OF PLANT INVENTIONS

Poinsettia plant. P. Ecke. 1,052, Dec. 11.
Rose plant. J. de Vink. 1,051, Dec. 11.
Rose plant. S. Poulsen. 1,050, Dec. 11.

LIST OF DESIGN INVENTIONS

Bank, Coin actuated calendar. A. E. Maage, Jr. 165,385, Dec. 11.
Boot. S. C. Spinali. 165,400, Dec. 11.
Bottle. L. A. Bruns. 165,361, Dec. 11.
Bowl for a coffee brewer, Upper. E. C. Neuman. 165,388, Dec. 11.
Brush, Fountain. A. H. and R. H. Fiater. 165,368, Dec. 11.
Building. G. D. Tesch. 165,405, Dec. 11.
Can and bottle crusher. F. J. Mingo. 165,387, Dec. 11.
Canister, Kitchen. L. Stahl. 165,403, Dec. 11.
Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 165,355–6, Dec. 11.
Christmas tree trim or similar article. J. Burnbaum. 165,363, Dec. 11.
Clockcase. R. M. Babel. 165,357, Dec. 11.
Costume, Child's masquerade and play. O. J. Francis. 165,370, Dec. 11.
Dispenser, Juice. C. C. Conkle. 165,365, Dec. 11.
Dresser or similar article. O. C. Robbins. 165,397, Dec. 11.
Fabric, Embroidered. H. Krieger. 165,376–80, Dec. 11.
Fabric or the like for grills of radios. J. A. MacIntyre. 165,386, Dec. 11.
Food product, Molded. L. Peters. 165,391–3, Dec. 11.
Frame, Picture. J. Clayman. 165,364, Dec. 11.
Handle for refrigerated cabinets. C. H. Kafer. 165,375, Dec. 11.
Holder for match books. W. S. Hutcheson. 165,374, Dec. 11.
Holder, Lace. B. Fortuna. 165,369, Dec. 11.
Hood. V. C. Hayes. 165,373, Dec. 11.
Indicator, Game. M. Frank. 165,372, Dec. 11.
Lace. A. S. Staff. 165,402, Dec. 11.
Lamp, Wall. L. D. Toler. 165,406, Dec. 11.
Light, Vehicle signal. J. R. Richwine. 165,396, Dec. 11.
Lighter, Table. A. F. Reilly. 165,395, Dec. 11.
Lighting fixture for a cooking range back guard panel. C. C. Perry. 165,390, Dec. 11.
Ophthalmic mounting or the like. E. M. Splaine. 165,401, Dec. 11.
Pendant, Religious. H. Randall. 165,394, Dec. 11.
Perambulator. H. B. Eging. 165,367, Dec. 11.
Photographic contact printer. J. Palma, Jr. 165,389, Dec. 11.
Pouch, Combination cigarette and match. J. Brettner. 165,360, Dec. 11.
Rack, Jewelry. A. O. Talmadge. 165,404, Dec. 11.
Rack, Newspaper. G. W. Baldwin. 165,358, Dec. 11.
Receptacle, Display. S. Braun and M. Crystal. 165,359, Dec. 11.
Scarf or similar article. M. E. Lerner. 165,381, Dec. 11.
Sewing-machine head. R. D. Budlong. 165,362, Dec. 11.
Slider for slide fasteners. V. De Armond. 165,366, Dec. 11.
Slipper. M. N. Saxion. 165,398, Dec. 11.
Sock, Man's. R. A. Torgersen. 165,408, Dec. 11.
Spoon or similar article. I. A. Lipman. 165,382, Dec. 11.
Stocking or similar article, Lady's. J. Siegel. 165,399, Dec. 11.
Toy rattle. H. B. Toombs and G. Amberge. 165,407, Dec. 11.
Valve unit for testing and charging refrigeration systems. G. E. Franck. 165,371, Dec. 11.
Wheel cover or similar article. G. A. Lyon. 165,384, Dec. 11.
Walker-stroller, Child's. M. B. Lorenzana. 165,383, Dec. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerating the growth of microorganisms. R. F. Shropshire. 2,578,491, Dec. 11.
Activation of oxalate metal coating compositions. R. C. Gibson. 2,577,887, Dec. 11.
Adjustable flow fountain type washer device. W. E. Berndsen. 2,577,872, Dec. 11.
Adjusting means for chain wrench. L. K. Selfridge. 2,577,861, Dec. 11.
Agitator for spreader stoker feeders. H. L. Wagner. 2,578,161, Dec. 11.
Aircraft cabin pressurizing. R. N. Green. 2,578,539, Dec. 11.
Air distribution outlet. W. W. Kennedy. 2,577,771, Dec. 11.
Air-free lubricant pump discharge system. I. R. Whiteman. 2,578,275, Dec. 11.
Air jacketed combustion chamber flame tube. H. E. Rowe. 2,577,918, Dec. 11.
Alkenylation of phenols. H. Pines and J. A. Vesely. 2,578,206, Dec. 11.
Alkyd resins. P. Kass and Z. W. Wicks. 2,577,770, Dec. 11.
Alloy: *See*—
  Aluminum base alloy.
Alterable common gauge railway track construction. L. Spencer. 2,578,099, Dec. 11.
Alternating-current signaling system. T. F. S. Hargreaves and W. F. Gould. 2,577,755, Dec. 11.
Aluminum base alloy. J. C. Southard. 2,578,098, Dec. 11.
Amine salt of penicillin. A. P. Granatek. 2,578,537, Dec. 11.
Ammonia dissociator. W. H. Marshall, Jr. 2,578,193, Dec. 11.
Amplifier, Magnetic. E. G. Downie. 2,578,405, Dec. 11.
Amplifier, Stabilized feedback. S. Doba, Jr. 2,578,341, Dec. 11.
Antenna, Radiant energy. J. P. Shanklin. 2,578,154, Dec. 11.
Antenna, Radio. S. B. Pickles. 2,577,804, Dec. 11.
Antisurge mechanism for fluid spray apparatus. R. M. Stephenson, W. F. Dozier, and R. K. McCoy. 2,578,102, Dec. 11.
Apparatus and method for the preparation of pimento. G. W. Ashlock, Jr. 2,578,496, Dec. 11.
Apparatus for applying a primer coating to the stems of flash lamps. G. D. F. Brent. 2,578,627, Dec. 11.
Apparatus for coating indirectly heated cathodes. A. W. W. Gait and C. W. Tapping. 2,578,418, Dec. 11.
Apparatus for dewaxing and dehydrating refrigerants. E. A. Wenk. 2,577,834, Dec. 11.
Apparatus for dispensing fluent material. W. F. Middlestadt. 2,578,080, Dec. 11.
Apparatus for dispensing predetermined quantities of liquids. L. Wilson. 2,578,215, Dec. 11.
Apparatus for flame hardening rounds. H. G. Hughey. 2,578,065, Dec. 11.
Apparatus for handling irrigation fluid. E. O. Pratt. 2,578,374, Dec. 11.
Apparatus for handling liquids. J. R. Miller. 2,578,145, Dec. 11.
Apparatus for hard surfacing blast furnace bells and hoppers. F. H. Janecek. 2,578,248, Dec. 11.
Apparatus for impregnating yarn. L. P. Miller. 2,577,793, Dec. 11.
Apparatus for indicating and recording the performance of electrically driven locomotives. R. S. Clark. 2,577,950, Dec. 11.
Apparatus for inverting article containers. E. Rothman. 2,578,603, Dec. 11.
Apparatus for lubricating wire ropes or cables. A. McPherson and W. B. Bird. 2,578,260, Dec. 11.
Apparatus for measuring apparent density of flour, meal, and the like. P. J. Wood. 2,578,118, Dec. 11.
Apparatus for measuring gas velocity in flames. F. P. Bundy and H. M. Strong. 2,578,398, Dec. 11.
Apparatus for mixing viscous liquids. R. G. Russell and R. B. Wiley. 2,577,920, Dec. 11.
Apparatus for molding concrete floor slabs. M. G. Flores. 2,578,057, Dec. 11.
Apparatus for predicting the lateral and vertical angles of the future position of a moving target by geometrical analogue. K. B. Palme and S. G. Gerdin. 2,578,203, Dec. 11.
Apparatus for producing fibers from glass and other heat softenable materials. C. J. Stalego. 2,578,101, Dec. 11.
Apparatus for reinforcing asbestos-cement sheets. W. H. Rooksby. 2,578,598, Dec. 11.
Apparatus for spinning and twisting textile yarns. J. K. Cochran. 2,578,513, Dec. 11.
Apparatus for tentering. F. G. Dodge. 2,577,880, Dec. 11.
Apparatus for the liquid treatment of fruits and vegetables. J. F. Hussey and B. S. Johnson. 2,578,427, Dec. 11.
Apparatus for transversely testing cylindrical members. R. Aubrey, Jr., and A. A. Chambers. 2,578,031, Dec. 11.
Apparatus for treating liquids with radiation. W. P. de Stoutz. 2,577,879, Dec. 11.
Apparatus for treating materials. H. W. Bevarly. 2,578,393, Dec. 11.
Apparatus for wrapping plastic confections. J. E. Brandenberger. 2,578,626, Dec. 11.
Aquatic device. H. L. Root. 2,577,917, Dec. 11.
Arcuate-edged discharge opening for hopper, and an arcuate closure for said opening. A. H. Stockmar. 2,577,927, Dec. 11.
Arrangement for regulating the voltage of a galvanic bath. J. Kälin. 2,578,251, Dec. 11.
Article of furniture, Reclining. A. Lorenz. 2,578,311, Dec. 11.
Article with water-sensitive gum coating and manufacture. R. L. Smith and M. A. Wight, Jr. 2,577,821, Dec. 11.
Artificial bait. T. E. Candioto. 2,578,041, Dec. 11.
Artificial limb. C. M. Ryan. 2,578,019, Dec. 11.
Asphalt-base laminating adhesive. R. H. Cubberley, L. P. Hill, and W. J. Mohr. 2,578,001, Dec. 11.
Association on flying machine of compressor-jet units with ram-jet units. M. Roy. 2,577,919, Dec. 11.
Atomizer. S. M. Croce. 2,578,463, Dec. 11.
Attachment of soles to footwear. R. Ashworth. 2,578,218, Dec. 11.
Auger-type drill bit. O. Phipps. 2,578,593, Dec. 11.
Automatic air volume control for liquid supply systems. E. M. Deters. 2,578,050, Dec. 11.
Automatic change-over and indicator valve. A. W. Chandler. 2,578,042, Dec. 11.
Automatic chuck. W. H. Heaton, Jr. 2,578,245, Dec. 11.
Automatic frequency corrected transmission system. J. H. Hammond, Jr. 2,578,541, Dec. 11.
Automatic stop mechanism for record changers. S. A. Stolberg. 2,578,378, Dec. 11.
Automatic switch. E. W. Jones and O. A. Pearce. 2,578,071, Dec. 11.
Automobile fishing pole holder. J. W. Jensen. 2,578,067, Dec. 11.
Automobile traction device. P. S. Hardy. 2,577,890, Dec. 11.
Awning. J. Otti. 2,577,800, Dec. 11.
Awning clip. L. J. Babin, Jr. 2,578,460, Dec. 11.
Azathiazolone cyanine dyes and their preparation. H. G. Derbyshire. 2,578,178, Dec. 11.
Bacteria-resistant elastomers containing silvered anion-exchange resins. G. P. Ham. 2,578,186, Dec. 11.
Baffle plate for use in tube type heat exchangers. J. E. Weiks. 2,577,832, Dec. 11.
Bag for vacuum cleaners, Paper dust collecting. M. Sosnowich. 2,577,863, Dec. 11.
Bag seal. G. G. Canter. 2,578,504, Dec. 11.
Balanced double-acting engine. E. F. and P. E. Mercier. 2,578,439, Dec. 11.
Ball housing. A. N. Jones. 2,578,069, Dec. 11.
Bearing construction with segmental shoes on flexible resilient supports. E. T. P. Neubauer. 2,577,798, Dec. 11.
Bed, Sofa. J. M. Rozwens. 2,578,453, Dec. 11.
Bedspring. C. F. White. 2,578,331, Dec. 11.
Bellows, Flexible. T. H. Nakken. 2,577,908, Dec. 11.
Bellows pump. R. B. Saalfrank. 2,578,265, Dec. 11.
Beta-methylcrotonaldehyde, Preparation of. N. L. Wendler and H. L. Slates. 2,577,867, Dec. 11.
Bicyclohexylamine salt of penicillin. D. E. Cooper. 2,578,641, Dec. 11.
Bifocal spectacles, Vertically adjustable. H. Ronicker and R. A. Horn. 2,578,318, Dec. 11.
Billfold and coin purse, Combination. G. E. Bastow. 2,578,390, Dec. 11.

Bit: *See*—
  Auger-type drill bit.
  Expansion bit.
Bit with detachable blade. H. C. Wilson. 2,577,987, Dec. 11.
Bleacher back. F. C. Webber. 2,578,114, Dec. 11.
Blending viscose solutions, Method and an apparatus for. L. S. Fryer. 2,578,002, Dec. 11.
Board: *See*—
  Display board.
Boat, Collapsible. F. T. and F. A. Larsson, G. E. Von Dardel, and B. G. Nettelbladt. 2,577,970, Dec. 11.
Boat fender. D. H. Dickson, Jr. 2,578,291, Dec. 11.
Body lifting device. J. D. Gay, Jr. 2,577,885, Dec. 11.
Body supporting seat. J. C. Barrett. 2,577,949, Dec. 11.
Boiler. C. Z. Alexander. 2,577,728, Dec. 11.
Bolt with swinging head, Fastening. H. H. Crafton. 2,578,515, Dec. 11.
Bottle cap and spout, Nonrefillable. W. Sandler. 2,577,980, Dec. 11.
Bow tie, Plastic. J. H. Sinton. 2,578,269, Dec. 11.
Bowling pin setting machine. G. J. Schmidt. 2,578,319, Dec. 11.
Brake: *See*—
  Internally expanding brake.
Brake assembly, Internally expanding. J. P. Butterfield. 2,578,285, Dec. 11.
Brake for beverage mixing machines, Spinner. J. Kantor. 2,577,726, Dec. 11.
Brake system for vehicles. F. M. Ambler. 2,578,388, Dec. 11.
Brake with antislide control, Air. W. F. Klein. 2,577,897, Dec. 11.
Brassière, P. Ciringione. 2,577,842, Dec. 11.
Brick handling fork mechanism. S. E. Rike. 2,578,016, Dec. 11.
Brownprint fixing composition containing alkali thiosulfate, alkali oxalate, and a surface active wetting agent. J. F. Kienast. 2,578,075, Dec. 11.
Brush, Power-driven clothes-cleaning. R. O. Hooban. 2,578,549, Dec. 11.
Bubbler outlet and deflection plate for water coolers. J. J. Corey. 2,578,047, Dec. 11.
Bucket attachment for tractor mounted forks. N. A. Nelson. 2,577,977, Dec. 11.
Bucket for transporting concrete or the like. L. J. Sarosdy. 2,577,922, Dec. 11.
Buckle, Fabric covered. S. Lerma. 2,577,898, Dec. 11.
Bumper and grille, Combined. C. R. Johnson. 2,578,068, Dec. 11.
Burner: *See*—
  Liquid fuel burner.
Burner for liquid fuel operating under low air and fuel pressures. E. J. F. Guillot. 2,578,422, Dec. 11.
Burner, including air filter and Venturi mixer, Radiant gas. W. Kennedy. 2,577,772, Dec. 11.
Bust support or brassière. C. Cuozzi. 2,578,175, Dec. 11.
Cabinet: *See*—
  Medicine cabinet.
Cadmium sulfide pigments. G. C. Marcot. 2,578,363, Dec. 11.
Calender finishing nylon fabric E. Farnworth and G. H. Wood, Jr. 2,577,957, Dec. 11.
Calender machine. C. P. Putnam. 2,578,594, Dec. 11.
Camera and developer, Combination. J. Bass. 2,578,498, Dec. 11.
Camera attachment for holding an illuminated transparency in front of the camera lens. E. D. Goodale and C. U. Bundick. 2,578,420, Dec. 11.
Camera film take-up for automatic exposure cameras. R. H. Lee. 2,578,254, Dec. 11.
Camera, High-speed. F. E. Tuttle and W. Bornemann. 2,578,327, Dec. 11.
Camera, Microfilm. E. Berlant. 2,578,037, Dec. 11.
Cap attached pencil holder. C. C. Vaughn. 2,578,112, Dec. 11.
Car truck, Railway passenger. R. N. Janeway. 2,578,554, Dec. 11.
Carbon bisulfide retort. W. V. Bauer. 2,577,729, Dec. 11.
Carbon bisulfide retort. I. C. Macdougall. 2,577,786, Dec. 11.
Carboxyethyl celluloses, Production of. M. M. Cruz, Jr. 2,577,844, Dec. 11.
Card punch control system. R. H. Halvorsen. 2,578,185, Dec. 11.
Carrier: *See*—
  Yarn carrier.
Carrying means. H. M. Piker. 2,578,089, Dec. 11.
Cart, Utility. A. F. Meyer. 2,578,440, Dec. 11.
Case: *See*—
  Egg case.
Casing for collapsible tube, with roller-type squeezer for said tube, Dispensing. J. W. Gunnarson. 2,578,472, Dec. 11.
Cast alnico magnets, Making. D. G. P. Ebeling. 2,578,407, Dec. 11.
Catalyst for the reaction of carbon monoxide and hydrogen with unsaturated compounds. W. A. McMillan. 2,578,144, Dec. 11.
Catalytic contacting unit with gas separator. D. D. McKinney. 2,577,791, Dec. 11.
Catalytic conversion of hydrocarbons with finely divided catalysts utilizing sonic vibrations. R. B. Smith. 2,578,377, Dec. 11.
Cellular container. W. B. Crane. 2,578,174, Dec. 11.
Cellular thermoplastic products, Method and composition for production of. C. E. De Long. 2,577,743, Dec. 11.
Centering device for plastic funnels. W. L. Webb. 2,577,866, Dec. 11.
Centrifugal separation. A. Nyrop. 2,578,485, Dec. 11.
Centrifugal separator. J. D. L. Smith. 2,578,456, Dec. 11.
Chance device with spiral carrier and disks. J. D. Kuss. 2,578,560, Dec. 11.
Check valve. K. Kirby. 2,578,076, Dec. 11.
Cheat or the like. S. E. Mautner. 2,578,644, Dec. 11.
Chlorine, Production of. D. J. Pye and W. J. Joseph. 2,577,808, Dec. 11.
Chopper, Cotton. W. H. and C. R. Mayberry. 2,578,365, Dec. 11.
Chuck. D. W. Windus. 2,577,941, Dec. 11.
Circuit: *See*—
  Coincidence integrating circuit.
  Protective circuit.
  Electric wave repeater circuit.
  Variable reactance decoupling circuit.
  Voltage clamping circuit.
Circuit arrangement for stabilizing the amplitude of electrical oscillations. E. M. Leyton. 2,577,972, Dec. 11.
Circuit closer for high-low alarms. D. R. Yarnall and J. W. Williams, 3rd. 2,578,276, Dec. 11.
Circuit for electrical musical instruments, Tone quality control. J. M. Hanert. 2,577,752, Dec. 11.
Circuit for measuring the resistance of energized alternating current apparatus. R. E. Seely. 2,578,455, Dec. 11.
Circuit for transmission and clutch control, Electrical. D. F. Toot. 2,578,158, Dec. 11.
Circuit for transmission and clutch control apparatus, Electrical. R. L. Mayrath. 2,578,142, Dec. 11.
Clamp: *See*—
  Pivotally mounted tire bead compressing clamp.
Clamp for blanket cylinders of printing presses, Blanket. O. V. Dutro. 2,578,406, Dec. 11.
Clasp, Ornamental necktie. I. F. Chichester. 2,578,507–9, Dec. 11.
Classifier. H. Hardinge. 2,577,754, Dec. 11.
Clip: *See*—
  Awning clip.
Clip for wall panels, Securing. J. J. Dugas. 2,577,881, Dec. 11.
Closure for washing machine cylinders. H. D. Brotman. 2,578,125, Dec. 11.
Closure operator for ditching wheel bucket backs. D. E. and L. Graham. 2,578,058, Dec. 11.
Clothes retainer. L. Peters. 2,578,148, Dec. 11.
Clutch: *See*—
  Flexible motor fluid operated clutch.
Coating of metal strip, Hot dip. C. McNabb, P. J. Whitley, and F. M. Morrow. 2,577,904, Dec. 11.
Coffee maker. P. E. Willman. 2,577,985, Dec. 11.
Coil form. O. Wirth. 2,578,495, Dec. 11.
Coin collector and register. J. F. Cavanagh. 2,578,226, Dec. 11.
Coincidence-integrating circuit. E. F. MacNichol, Jr. 2,578,256, Dec. 11.
Cold cathode electric discharge tube. A. H. Reeves and G. H. Hough. 2,577,809, Dec. 11.
Collapsible hanger. G. Marbit. 2,577,854, Dec. 11.
Collet structure. F. L. Dodge. 2,578,642, Dec. 11.
Comb, Telescoping hairdressing. E. E. Zurndorfer. 2,577,991, Dec. 11.
Combination of rotary furrower and press wheels. P. E. Lemmon and A. J. Johnson. 2,577,775, Dec. 11.
Combined road and rail vehicle. W. S. Watts and L. G. Carmick, Jr. 2,577,830, Dec. 11.
Compass, Ellipse. E. W. Mennie. 2,577,905, Dec. 11.
Composition for forming a dry, homogeneous, self-adherent lubricating film on metal stock. G. H. Orozco and R. F. Roy. 2,578,585–6, Dec. 11.
Compositions for killing weeds. F. D. Jones. 2,577,969, Dec. 11.
Compositions for use in treating fibrous materials to impart water repellency. R. R. Burnham, A. T. Anderson, and A. M. Matheson. 2,577,840, Dec. 11.
Compressor. J. Naab. 2,578,199, Dec. 11.
Compressor. A. B. Newton. 2,578,146, Dec. 11.
Compressor gas turbine combustion chamber with rotating and reciprocating valve therein. R. W. Rieck. 2,578,596, Dec. 11.
Compressor, Multistage centrifugal. R. M. Watson. 2,578,617, Dec. 11.
Compressor, Multiple-effect. R. L. Jones, Jr. 2,578,139, Dec. 11.
Concentration of thorium. G. F. Asselin and L. F. Audrieth. 2,578,623, Dec. 11.
Concrete fence post. C. W. Bailey. 2,578,165, Dec. 11.
Concurrent dealkylation of aromatic hydrocarbons and dehydrogenation of naphthenic hydrocarbons. J. H. McAteer and C. E. Morrell. 2,577,788, Dec. 11.
Condition-responsive system. C. H. Odell and R. B. Lewthwaite. 2,578,447, Dec. 11.

Connector: *See*—
Electrical connector.
Terminal socket electrical connector.
Contact construction for circuit interrupters such as fuses. S. I. Lindell. 2,578,255, Dec. 11.
Container: *See*—
Cellular container. Paper container.
Filter cartridge container.
Container for flowers. G. Teufel. 2,578,271, Dec. 11.
Container for stacked elongated articles, Dispensing. C. K. Shaw, Jr. 2,577,862, Dec. 11.
Container loading machine having automatic carton ejector. E. D. Andrews. 2,578,277, Dec. 11.
Continuous centrifugal separator. S. S. C. Fleischer. 2,578,468, Dec. 11.
Continuous process for neutralizing fatty acids. V. Mills. 2,578,366, Dec. 11.
Continuous vulcanization apparatus. G. E. Henning. 2,578,354, Dec. 11.
Control apparatus. D. G. Taylor. 2,578,026, Dec. 11.
Control bulb for thermal expansion valves. W. L. McGrath. 2,577,902–3, Dec. 11.
Control device. W. R. Miller. 2,578,632, Dec. 11.
Controlling device for food processing apparatus. F. B. Doyle. 2,578,179, Dec. 11.
Controlling thread tension. K. E. Wilhelm. 2,578,620, Dec. 11.
Convertible aircraft landing gear. G. F. Myers. 2,578,578, Dec. 11.
Conveyer apparatus. C. G. Muench. 2,578,314, Dec. 11.
Conveyer device, Adjustable. J. W. Stiles. 2,577,926, Dec. 11.
Conveyer, Elevating traveling. P. S. Hardy. 2,577,891, Dec. 11.
Cooking apparatus, Electrical. W. C. Baltzell. 2,578,034, Dec. 11.
Copolymerisation process and product. E. B. McMillan. 2,578,259, Dec. 11.
Copolymers of an ethylenically unsaturated compound with a polyolefinic cyclic hydrocarbon. H. S. Bloch. 2,578,169, Dec. 11.
Copying lathe. L. E. Topham. 2,577,932, Dec. 11.
Cord attachment means for upholstery spring. E. Samel. 2,577,813, Dec. 11.
Cord twisting machine. G. F. Weinland. 2,578,618, Dec. 11.
Core for burial vault molds. E. J. Lager. 2,578,310, Dec. 11.
Corn shocker with divided former. E. H. Rehn. 2,578,092, Dec. 11.
Corner guide for endless conveyer cables. S. Pile. 2,578,592, Dec. 11.
Coupler for lubricating apparatus. E. W. Davis. 2,578,517, Dec. 11.
Coupling: *See*—
Toy coupling.
Coupling for hydraulic control systems, Fluid line. P. L. Hanson and E. H. Fletcher. 2,578,542, Dec. 11.
Cover: *See*—
Sectional athletic field cover.
Cow stall, Adjustable comfort. C. Schillinger. 2,578,093, Dec. 11.
Crankcase ventilation. G. C. Morris. 2,578,576, Dec. 11.
Crank handle with counter-balancing means. P. C. Tillman. 2,577,931, Dec. 11.
Crib and cradle, Combination. W. Pope. 2,578,372, Dec. 11.
Crop pickup and feeding implement. C. A. Stevens. 2,578,609, Dec. 11.
Cue tip trimmer. H. Bozarth. 2,577,995, Dec. 11.
Curtain guard. J. J. Senogles. 2,578,607, Dec. 11.
Cutter for solid carbon dioxide. L. Foster. 2,577,745, Dec. 11.
Cyclodiene isobutylene copolymers. W. J. Sparks and R. M. Thomas. 2,577,822, Dec. 11.
Cylinder, High-speed rotating. M. B. Sampson. 2,577,858, Dec. 11.
Decalcomania and applying same. H. C. Rathke. 2,578,150, Dec. 11.
Deep smooth surface finishing process. R. W. Shaw. 2,577,818, Dec. 11.
Deflection coil assembly. A. C. Ekvall. 2,578,342, Dec. 11.
Deflection coil testing apparatus and method. A. C. Ekvall. 2,578,343, Dec. 11.
Dehydration of mineral salts by drum drier. A. A. Holland. 2,578,355, Dec. 11.
Dental tool sharpening device. C. A. Miller and S. L. Border. 2,578,081, Dec. 11.
Denture. H. Kane. 2,577,769, Dec. 11.
Desiccant pouch. C. A. Southwick, Jr. 2,578,324, Dec. 11.
Desk, Combination. A. F. Tubacki. 2,577,934, Dec. 11.
Desulfurization of ferrous metals. P. M. Hulme. 2,577,764, Dec. 11.
Detergent compositions, Ternary. J. M. Lambert. 2,577,773, Dec. 11.
Dethiolizing hydrocarbons and other organic liquids. L. Rosenstein. 2,578,602, Dec. 11.
Device for cutting bottle seals. C. F. Dimitruk. 2,578,404, Dec. 11.
Device for discharging wax and the like having a valve operating rod. S. L. McNair and C. E. Wyman 2,578,078, Dec. 11.
Device for fueling large aircraft. J. A. Berke. 2,578,036, Dec. 11.
Device for generation and modulation of impulses. G. G. Emanuelsson. 2,578,467, Dec. 11.
Diagnostic composition. R. S. Nicholls and D. E. Fonner. 2,577,978, Dec. 11.
Dialkyldithiophosphoric acid formaldehyde condensation products. E. O. Hook and P. H. Moss. 2,577,966, Dec. 11.
Di(alkylphenyl)-alkenes. H. Pines and V. N. Ipatieff. 2,578,207, Dec. 11.
Diaphragm cover for liquid storage tanks. F. L. Plummer. 2,578,090, Dec. 11.
Diaphragm valve. W. J. Hughes. 2,577,967, Dec. 11.
Die-casting apparatus. J. Y. Taylor. 2,578,105, Dec. 11.
Die-cut card. G. B. Hlsted. 2,578,548, Dec. 11.
Differential mechanism. G. Slider. 2,578,155, Dec. 11.
Differential pressure distilling apparatus and method. A. W. Goldsbarry and M. M. Tomaszewski. 2,578,469, Dec. 11.
Dihydrocodeinone, Manufacture of. M. M. Balzer and R. P. Williams. 2,577,947, Dec. 11.
Dihydroisocodeine, Manufacture of. M. M. Balzer. 2,577,948, Dec. 11.
Direct oxidation of aldehydes and alcohol to acid. D. C. Hull. 2,578,306, Dec. 11.
Dirt scraping apparatus. G. E. Daniels. 2,577,877, Dec. 11.
Dish holder. A. Ruben. 2,578,646, Dec. 11.
Disk plow. E. A. Davis. 2,577,952, Dec. 11.
Disodium-N,N'-dimethyl-p-phenylenediaminomethane sulfonate and preparation. T. S. Donovan. 2,578,292, Dec. 11.
Dispenser: *See*—
Tape dispenser.
Dispensing device, Simulated. B. L. Henry. 2,577,849, Dec. 11.
Display board. S. R. Wirth. 2,577,988, Dec. 11.
Door: *See*—
Folding door. Water-cooled furnace door.
Nonwarping trussed door.
Door for nests, Automatic. W. P. Hofferbert. 2,578,247, Dec. 11.
Door latching means, Hopper car. G. B. Dorey. 2,578,231, Dec. 11.
Door operating mechanism, Sliding. R. E. De Camp and R. Hereford. 2,577,878, Dec. 11.
Dough shaping, treating, and filling device. V. E. Sternbach. 2,577,925, Dec. 11.
Dovetailing machine. W. A. Early. 2,578,521, Dec. 11.
Draft gear jack. J. D. Raymick. 2,578,264, Dec. 11.
Draw plate. M. R. Clement and D. E. Germain. 2,578,229, Dec. 11.
Drawing board, book, or like. K. E. A. Ericson. 2,578,524, Dec. 11.
Drier: *See*—
Rotary drier.
Drier for printed webs. M. Mauffre. 2,578,633, Dec. 11.
Drier section for paper machines. L. Hornbostel. 2,578,552, Dec. 11.
Drilling and swarf clearing device for machine tools. L. Salves. 2,578,454, Dec. 11.
Drilling apparatus and cleaning plugged drill steel. R. L. Jones and H. O. Nylene. 2,577,895, Dec. 11.
Drinking unit, Nonspillable. E. J. Nicorvo. 2,578,201, Dec. 11.
Drying oil composition. J. P. West. 2,578,214, Dec. 11.
Dust recovery. F. M. Parker. 2,578,315, Dec. 11.
Dyeing, bleaching, and treating living hair. R. Samel and M. Wotsilka. 2,577,921, Dec. 11.
Dyeing vinyl resin textile articles. T. A. Field, Jr. 2,577,846, Dec. 11.
Earth auger. G. A. Petersen. 2,578,014, Dec. 11.
Earth-moving apparatus. E. V. Collins. 2,578,128, Dec. 11.
Earth scraper and scarifier, Combination. R. C. Gannon. 2,578,131, Dec. 11.
Earth terracer with variable-speed transmission. E. V. Collins. 2,578,127, Dec. 11.
Eccentric magnetic suspension. W. N. Gittings. 2,578,419, Dec. 11.
Edging machine. S. H. Coddington and W. Merry. 2,578,337, Dec. 11.
Egg case. J. R. Grant. 2,578,060, Dec. 11.
Elastomer coin receptacle. L. L. Headrick. 2,578,134, Dec. 11.
Electric plug. J. F. Minard. 2,577,794, Dec. 11.
Electric switch. H. S. Wiggins. 2,578,494, Dec. 11.
Electric wave repeater circuit. R. A. Meers, E. R. Cockbain, and G. O. Probert. 2,577,792, Dec. 11.
Electrical alternating current generation. S. R. Montcalm. 2,578,575, Dec. 11.
Electrical ballast. W. W. Brooks. 2,578,395, Dec. 11.
Electrical connector. D. C. Gillespie. 2,577,748, Dec. 11.
Electrical connector. A. R. Jubenville. 2,578,360, Dec. 11.
Electrical connector. R. T. Lundy. 2,578,436, Dec. 11.

Electrical control device. L. N. Hampton, O. S. A. Mesch, and C. V. Obst. 2,578,353, Dec. 11.
Electrical outlet. B. P. McKinley. 2,577,974, Dec. 11.
Electrical precipitator. H. Klemperer. 2,578,558, Dec. 11.
Electrode structure. E. D. Coleman. 2,578,044, Dec. 11.
Electromagnetic change-speed mechanism for automotive vehicles. H. J. G. Chatelet and H. Michellet. 2,578,399, Dec. 11.
Electromagnetic device. A. G. Thomas. 2,578,648, Dec. 11.
Electron discharge device. W. L. Meier. 2,578,571, Dec. 11.
Electron discharge device and associated circuits. H. C. Thompson. 2,578,458, Dec. 11.
Electronic control. L. H. Erickson. 2,578,525, Dec. 11.
Electronic high vacuum apparatus. E. G. Linder. 2,578,009, Dec. 11.
Electronic time delay device. G. P. Wachtell. 2,578,273, Dec. 11.
Electrovibrant high-voltage supply. A. C. Christy. 2,578,043, Dec. 11.
Electrowinning chromium. G. Westby. 2,577,833, Dec. 11.
Elevator closure operating mechanism. W. Armstrong. 2,578,459, Dec. 11.
Emetine penicillin. A. P. Granatek. 2,578,536, Dec. 11.
Enclosed rotating signal light. E. W. Gosswiller. 2,578,239, Dec. 11.
Engine: *See*—
Balanced double-acting Gas-turbine engine.
engine.
Engine starter jaw meshing mechanism. R. E. Sears. 2,578,094, Dec. 11.
Equipment for use in handling invalids. J. H. Thompson. 2,578,382, Dec. 11.
Erection of buildings. H. Howard-Smith. 2,578,631, Dec. 11.
Escalator handrail. W. F. Masek and W. F. Richardson. 2,578,566, Dec. 11.
Esterification of certain aromatic polycarboxylic acids. R. J. Miller and P. C. Condit. 2,578,312, Dec. 11.
Ester of 1,2,4-butanetriol, Preparing. C. H. Stiteler and P. O. Tawney. 2,578,647, Dec. 11.
Esters of phosphonous acids and polymers thereof, Unsaturated. R. C. Morris, V. W. Buls, and S. A. Ballard. 2,577,796, Dec. 11.
Evaporative marking composition. M. Hershkowitz. 2,578,425, Dec. 11.
Expansion bit. H. C. Wilson. 2,577,986, Dec. 11.
Extractive crystallization process. L. C. Fetterly. 2,578,054, Dec. 11.
Fabric: *See*—
Pile fabric.
Facsimile scanning device. C. E. Hunt, Jr. 2,578,307, Dec. 11.
Fastener: *See*—
Lockable slide fastener. Sheet metal snap fastener.
Quick exit separable fastener.
Fastening device. W. A. Bedford, Jr. 2,578,639, Dec. 11.
Fastening device. C. H. Judd. 2,578,008, Dec. 11.
Faucet, Combination. J. B. Kluver. 2,578,362, Dec. 11.
Faucet, Dispensing. H. H. Harr. 2,578,543, Dec. 11.
Faucet hose temperature indicator. M. E. Palmquist and E. W. Lundstrom. 2,578,587, Dec. 11.
Feed control attachment for torches. J. R. Garrett. 2,578,132, Dec. 11.
Feeder: *See*—
Multiple poultry feeder.
Feeder. L. E. Albertson. 2,578,387, Dec. 11.
Feeding device for sewing machines. R. C. Robert and J. Court. 2,578,225, Dec. 11.
Fencing tool. C. V. Davis. 2,578,230, Dec. 11.
Film registration device. O. E. Conklin. 2,578,514, Dec. 11.
Film take-up chamber for photographic apparatus. P. J. Ernisse. 2,578,295, Dec. 11.
Film tensioning apparatus. H. A. Bendfelt. 2,578,123, Dec. 11.
Filter: *See*—
Mechanical filter.
Filter cartridge container. R. A. Sandberg. 2,578,020, Dec. 11.
Filtering apparatus, Cooking oil. T. Daugherty. 2,578,129, Dec. 11.
Filtering device for coffee makers. M. S. Ziskin and L. W. Cline. 2,577,990, Dec. 11.
Fin for heat exchange elements. A. P. J. Huet. 2,578,305, Dec. 11.
Firebox for locomotive boiler, Water tube. A. Williams. 2,578,332, Dec. 11.
Fire extinguisher. G. E. Ferguson and F. A. Dodelin. 2,578,528, Dec. 11.
Fire extinguisher. G. E. Ferguson and F. A. Dodelin. 2,578,529, Dec. 11.
Fire extinguishing system. D. G. Faust. 2,577,744, Dec. 11.
Fireplace apparatus, Log. Jesse L. and James L. Love, and H. F. Rose. 2,578,564, Dec. 11.
Fire warning device. D. J. MacDougall and P. J. Cade. 2,577,973, Dec. 11.
Fishhook holder. P. E. Hart. 2,578,424, Dec. 11.
Fishhook remover. A. Danielson. 2,578,289, Dec. 11.
Fish lure. C. P. Forsberg. 2,578,532, Dec. 11.
Fish net hanger. J. D. Geistweit. 2,578,237, Dec. 11.
Fishing lure. D. G. Fisher. 2,578,411, Dec. 11.
Fishing reel. E. P. Hurd. 2,578,477, Dec. 11.
Fishing tackle holder. W. J. Edmunds. 2,578,181, Dec. 11.
Flame: *See*—
Air jacketed combustion chamber flame.
Flame divergence controlling means for fuel oil burners. E. T. W. Bailey. 2,578,121, Dec. 11.
Flexible motor fluid operated clutch. O. R. and R. A. Peterson. 2,578,487, Dec. 11.
Fluid drive. A. Frank. 2,578,055, Dec. 11.
Fly tying device. J. S. Conrad and O. C. Franz. 2,578,045, Dec. 11.
Foil for door handles. H. M. Hilger. 2,578,547, Dec. 11.
Foldable seat. G. Schueder, H. L. Dunlap, and J. Gavagan. 2,577,817, Dec. 11.
Folding bellows for photographic devices. D. C. Turner, E. F. and A. R. Thomas. 2,578,111, Dec. 11.
Folding door. A. T. Garbuo. 2,577,884, Dec. 11.
Food storage device. S. Gattuso. 2,577,959, Dec. 11.
Forging press. J. Foster. 2,577,882, Dec. 11.
Fork and spoon, Combined. R. H. Clark. 2,578,287, Dec. 11.
4,4-diphenyl-2,5-oxazolidinedione. R. Duschinsky. 2,578,293, Dec. 11.
4,6,8(9),11-pregnatetraen-3,20-dione, Preparation of. R. H. Levin, G. B. Spero, and J. L. Thompson. 2,577,778, Dec. 11.
Frame: *See*—
Invisibly hinged handbag Underslung tire carrying frame. frame.
Frame for vertical piston engines. M. F. Meinertz. 2,578,079, Dec. 11.
Free piston unit assembly. R. N. Wallace. 2,578,162, Dec. 11.
Freezer, Ice-cream. M. A. Rollman. 2,577,916, Dec. 11.
Frequency indicator. A. E. Hastings. 2,577,758, Dec. 11.
Froth flotation apparatus. P. M. Payne. 2,577,802, Dec. 11.
Fuel feeding system for internal-combustion engines. P. T. Nims. 2,578,147, Dec. 11.
Fuel trap for combustion apparatus of gas turbine engines. T. H. Boosinger. 2,578,501, Dec. 11.
Furnace: *See*—
Solid fuel furnace.
Furniture construction. W. N. Brown. 2,578,397, Dec. 11.
Fuse, Current limiting. W. C. Linton. 2,577,899, Dec. 11.
Game board and chance means for simulated racing. F. R. Graves. 2,577,961, Dec. 11.
Game practice device. N. Moseley. 2,578,313, Dec. 11.
Garment hanger. S. F. Webster. 2,577,940, Dec. 11.
Garment, Infant's sleeping. L. R. Sillaway. 2,578,323, Dec. 11.
Gas burner control mechanism. C. M. Mayer and J. M. Hoff. 2,577,787, Dec. 11.
Gas comprising hydrogen and carbon monoxide, Production of. J. H. Hirsch and M. J. Boegel. 2,578,475, Dec. 11.
Gas-liquid separator. A. C. Mayer and J. J. Blackmore. 2,578,568, Dec. 11.
Gas purification. J. H. Shapleigh. 2,578,490, Dec. 11.
Gas-turbine engine. R. Janes. 2,578,478, Dec. 11.
Gas turbine power plant with auxiliary compressor supplying cooling air for the turbine. A. A. Lombard. 2,578,481, Dec. 11.
Gaseous discharge device. D. S. Peck. 2,578,370, Dec. 11.
Gasket, Sealing. A. F. Cuthbert. 2,578,339, Dec. 11.
Gate for the open end of transit mixers, Shutoff. C. I. Bohmer. 2,578,170, Dec. 11.
Gate latch. S. E. Thomas. 2,577,930, Dec. 11.
Gauge: *See*—
Internal thread gauge. Wheel alignment gauge.
Liquid level gauge.
Gear: *See*—
Convertible aircraft landing gear.
Gear mechanism, Mast turning. H. W. Ronfeldt. 2,578,151, Dec. 11.
Geared electric motor. C. O'Daniel. 2,578,446, Dec. 11.
Generator: *See*—
Second and third harmonic Sweep generator.
generator.
Glass fiber product and making same, Colored. J. H. Waggoner. 2,577,936, Dec. 11.
Glass, Production of. F. V. Tooley. 2,578,110, Dec. 11.
Glass spike detector. J. Mills. 2,578,573, Dec. 11.
Gloss meter. K. Bowers and T. E. Mason. 2,578,625, Dec. 11.
Glyceridic oil compositions and producing same. H. W. Vahlteich, C. M. Gooding, and R. H. Neal. 2,578,649, Dec. 11.
Golf ball washer having a brush and a liquid reservoir, Portable C. Q. Cadman. 2,578,224, Dec. 11.
Golf cart, Bagless. O. L. Evans and W. H. Warth. 2,578,409, Dec. 11.

Grill, Barbecue. H. A. Hagopian. 2,577,963, Dec. 11.
Grinding flat glass on both faces simultaneously, Method and apparatus for. J. H. Griffin. 2,577,889, Dec. 11.
Grinding flat glass on both faces simultaneously, Method of and apparatus for. F. B. Waldron and J. H. Griffin. 2,577,937, Dec. 11.
Grinding, polishing, or surfacing machine. D. Pascotto. 2,578,388, Dec. 11.
Gripper-shuttle loom. E. Pfarrwaller. 2,578,205, Dec. 11.
Guide for window sashes. L. Zeman. 2,578,120, Dec. 11.
Gun sight, Computing. F. A. Lyon. 2,577,785, Dec. 11.
Gun sight mounting. H. A. Williams. 2,578,386, Dec. 11.
Gyroscope system. C. M. Perkins and A. M. MacCallum. 2,577,912, Dec. 11.
Hairpin organizer. D. A. Brunner. 2,578,223, Dec. 11.
Hair singeing apparatus. J. J. Boax. 2,577,839, Dec. 11.
Halogenation of n-methyl-4-aminophenol. F. R. Bean. 2,578,281, Dec. 11.
Handle: *See*—
Stamped valve handle.
Handle and brush holder for paint cans. D. E. Entsminger. 2,578,233, Dec. 11.
Handling apparatus. K. P. Billner. 2,578,220, Dec. 11.
Handrail for moving stairways. W. F. Masek. 2,578,567, Dec. 11.
Hanger: *See*—
Collapsible hanger. Garment hanger.
Fish net hanger.
Hanger for trolley rails. B. B. McCarn. 2,577,789, Dec. 11.
Harvester for potatoes and the like. C. R. Johnston. 2,578,189, Dec. 11.
Hassock and bed, Convertible. C. B. Creveling and E. V. Pennell. 2,577,741, Dec. 11.
Hat. J. H. and M. F. Berry. 2,578,219, Dec. 11.
Heat exchanger, Multifluid. S. Holm and P. H. Karlsson. 2,578,550, Dec. 11.
Heat interchanger. H. M. Graham. 2,578,059, Dec. 11.
Heat resistant covering. M. L. Ionides and P. A. Siple. 2,578,188, Dec. 11.
Heating by the laminar combustion of gas in the interior of dull radiation tubes, Method and apparatus for. R. Duchêne. 2,578,520, Dec. 11.
Heating system and control therefor, Hot water. R. W. De Lancey. 2,578,340, Dec. 11.
High-frequency electron discharge device of the traveling wave type. N. E. Lindenblad. 2,578,434, Dec. 11.
High-vacuum fractionating distillation apparatus. E. S. Perry. 2,578,086, Dec. 11.
Hinge, Cabinet. R. A. Stone. 2,578,610, Dec. 11.
Hinge, Casement window. H. A. Byram. 2,577,738, Dec. 11.
Hinge, Pole. H. E. Rutledge. 2,577,811, Dec. 11.
Hinge, Toilet seat locking. F. J. Schmitz. 2,578,153, Dec. 11.
Hinged tubular joint. G. Maxon, Jr. 2,578,364, Dec. 11.
Hire cover with built-in top entrance. W. L. Stulce. 2,578,103, Dec. 11.
Holder: *See*—
Automobile fishing pole holder. Dish holder.
Fishhook holder.
Cap attached pencil holder. Fishing tackle holder.
Map holder.
Holder and dispenser, Sack. F. G. West. 2,578,115, Dec. 11.
Holster, Pistol. S. W. Adams. 2,577,869, Dec. 11.
Home bar unit. F. G. Holmes. 2,577,850, Dec. 11.
Hood for collecting gases. P. Pierrat and E. Colombu. 2,578,635, Dec. 11.
Hook: *See*—
Positive-locking hook.
Hose reel and sprinkler, Garden. J. E. Vance. 2,578,159, Dec. 11.
Hose reel operating mechanism for gasoline pumps. W. P. Schirmer. 2,577,859, Dec. 11.
Hunter's blind. J. Van Vessem. 2,577,983, Dec. 11.
Hydraulic counterweight. R. L. Archbold. 2,578,278, Dec. 11.
Hydraulic cutting tool. W. E. Northcutt. 2,578,582, Dec. 11.
Hydraulic motor control. T. F. Stacy. 2,577,981, Dec. 11.
Hydraulic selector valve. N. R. Ashbaugh. 2,578,334, Dec. 11.
Hydraulic transmission. W. L. Pollard. 2,578,450, Dec. 11.
Hydrodesulfurization of sulfur-containing hydrocarbon fractions. H. M. Stine. 2,577,823, Dec. 11.
Hydrogenating sulfolenes to sulfolanes. J. E. Mahan and S. C. Fauske. 2,578,565, Dec. 11.
Hydrolyzation of pentosan containing protein materials. E. C. Pattee. 2,577,861, Dec. 11.
Icing detection device. J. E. Lindberg. 2,577,779, Dec. 11.
Idler arm pivot joint. B. E. Ricks. 2,578,645, Dec. 11.
Illuminated picture support. J. A. Traum. 2,577,982, Dec. 11.
Impregnating electrical instrumentalities, Method and apparatus for. A. G. Steinmayer and E. A. Link. 2,578,024, Dec. 11.
Imprinting coatings on paper and paperboard. H. C. Fisher and B. E. Sooy. 2,578,345, Dec. 11.
Indexing attachment, Work. J. S. Hollinger. 2,578,476, Dec. 11.
Indicator: *See*—
Automatic change-over and indicator. Frequency indicator.
Faucet hose temperature indicator.
Inductance device. J. Gourevitch. 2,578,421, Dec. 11.
Injection pump. G. Lagardelle. 2,578,561, Dec. 11.
Injector mechanism. R. W. Bailey and J. T. Faull. 2,577,946, Dec. 11.
Insect poisoning and crop dusting machine. L. A. Mindrup. 2,578,482, Dec. 11.
Insole matrices, Making. S. M. Griswold and H. C. Paulsen. 2,577,749, Dec. 11.
Instrument for direct spectro-chemical analysis by the internal standard method, Photoelectric. J. L. Saunderson, V. J. Caldecourt, and E. W. Peterson. 2,577,814–15, Dec. 11.
Insulation device. J. Rose. 2,578,599–600, Dec. 11.
Internal thread gauge. H. M. Orr. 2,578,261, Dec. 11.
Internally expanding brake. E. R. Ross. 2,578,152, Dec. 11.
Interval guard. C. H. Hoeppner and C. H. Smith, Jr. 2,577,762, Dec. 11.
Introduction of magnesium into molten iron. L. R. Zifferer. 2,577,837, Dec. 11.
Invisibly hinged handbag frame. B. M. Stregack. 2,578,612, Dec. 11.
Iron oxide reduction. M. Benedict, J. B. Wagstaff, and G. B. Webb. 2,577,730, Dec. 11.
Jack: *See*—
Draft gear jack.
Jack with bladder motor. R. Carnahan. 2,577,874, Dec. 11.
Joint: *See*—
Hinged tubular joint. Idler arm pivot joint.
Juice extracting device. T. J. Beaudet. 2,578,122, Dec. 11.
Keto esters of penicillin and preparation thereof. H. F. McDuffie, Jr. and D. E. Cooper. 2,578,570, Dec. 11.
Keyhole lock. J. Elsberg. 2,577,956, Dec. 11.
Knitting machine and operating the same, Full-fashioned. R. Anke. 2,578,164, Dec. 11.
Label applying mechanism. G. W. von Hofe. 2,578,329, Dec. 11.
Lamp ejecting socket. P. J. Ernisse. 2,578,296, Dec. 11.
Lamp housing for corner mounting, Fluorescent. A. Kurtzon. 2,578,190, Dec. 11.
Lamp mount having one lamp terminal insulated from the cooling medium, Liquid cooled. J. S. Franklin. 2,578,415, Dec. 11.
Latch: *See*—
Gate latch.
Latch and lock, Door. E. W. Gifford. 2,578,004, Dec. 11.
Latch for end dump mine cars. R. C. Kepner. 2,578,430, Dec. 11.
Lathe, Automatic screw-cutting. E. Bodmer. 2,578,221, Dec. 11.
Lathe for engraving cylindrical surfaces, with self-rectification. M. Bonnet. 2,578,222, Dec. 11.
Lawn mower, Rotary blade power. C. Waite, Sr. 2,577,938, Dec. 11.
Leg brace. L. C. Thornton. 2,578,108, Dec. 11.
Lens system of the petzval type, Three-component. F. G. Back and H. Lowen. 2,578,624, Dec. 11.
Lepidinium salts and synthesis. D. W. Heseltine and L. G. S. Brooker. 2,578,304, Dec. 11.
Light: *See*—
Enclosed rotating signal light. Marine safety light.
Light modulator, Supersonic. A. H. Rosenthal. 2,578,601, Dec. 11.
Lighting fixture installation. L. K. Schoenbrod. 2,578,022, Dec. 11.
Liquid fuel burner. A. C. R. Thompson. 2,578,272, Dec. 11.
Liquid irradiating apparatus. J. P. Foulds. 2,578,414, Dec. 11.
Liquid level gauge. J. Y. Taylor. 2,578,104, Dec. 11.
Load carrying attachment for bicycles, motorcycles, and the like. L. W. Hampton. 2,578,243, Dec. 11.
Load limit control. J. F. Green. 2,578,006, Dec. 11.
Load suspending vehicle body. J. Evanoff and H. L. Castino. 2,578,052, Dec. 11.
Lock: *See*—
Keyhole lock. Side bar cylinder lock.
Lock for power driven tools, Switch. R. B. Pealer. 2,578,317, Dec. 11.
Lockable slide fastener. A. Bashover. 2,578,035, Dec. 11.
Loom: *See*—
Gripper-shuttle loom.
Lubricator. J. Kellogg. 2,578,073, Dec. 11.
Luggage and support therefor, Automobile. R. Goldman. 2,578,238, Dec. 11.
Luminaire. C. H. Rex. 2,578,451, Dec. 11.
Lunch kit, Electrically heated. J. B. Aston. 2,577,870, Dec. 11.
Machine for assembling pistons to wrist pins and connecting rods. C. A. Birkebak. 2,578,124, Dec. 11.
Machine for cutting sheet materials. D. Taube. 2,578,637, Dec. 11.
Machine for grinding impeller bucket shanks. E. V. Flanders and C. H. Drury. 2,578,531, Dec. 11.

Machine for moving boxcars. A. Selinger and O. Bakke. 2,578,267, Dec. 11.
Machine for packaging merchandise rolls. C. J. Gerlach. 2,578,297, Dec. 11.
Machine for testing tensile, compressive, bending, shearing, etc., strength of metals or other materials. A. R. Arthuis. 2,577,944, Dec. 11.
Machine tool organization and control mechanism. W. K. Andrew, R. H. Ford, and E. W. Just. 2,577,943, Dec. 11.
Machine tool transmission and control. A. K. Watcher and W. B. Dulanev. 2,578,113, Dec. 11.
Magnetic testing apparatus. A. T. Hatton and E. K. Sprague. 2,577,892, Dec. 11.
Magnifying loupe with reflector. A. Pawelski. 2,578,589, Dec. 11.
Mailbox with door operated signal flag. E. P., L. R., and K. E. Pedersen. 2,578,486, Dec. 11.
Making a locking ring and plate assembly. R. A. Sandberg. 2,578,021, Dec. 11.
Making color printing plates. H. W. Warnecke. 2,577,984, Dec. 11.
Making fibrous sheet material, Method and apparatus for. T. L. Lynam. 2,577,784, Dec. 11.
Making rock drill bits. H. M. Griffiths. 2,578,351, Dec. 11.
Making rotors. M. F. Hill and F. A. Hill, 2nd. 2,578,187, Dec. 11.
Making separable end stop for slide fasteners. O. J. Moehler. 2,577,855, Dec. 11.
Manufacturing wire cord. M. A. Crosby and E. L. Luaces. 2,577,843, Dec. 11.
Map holder. W. L. Weeks. 2,578,493, Dec. 11.
Marine safety light. P. J. Ambrose. 2,578,030, Dec. 11.
Mask, Respirator. W. P. Yant. 2,578,621, Dec. 11.
Matrix for use in making welt insoles. S. M. Griswold and H. C. Paulsen. 2,577,750, Dec. 11.
Measuring and filling machine. R. G. Triggs. 2,577,933, Dec. 11.
Mechanical filter. W. V. B. Roberts. 2,578,452, Dec. 11.
Mechanic's tool. A. C. McKnight, Jr. 2,578,077, Dec. 11.
Mechanism for cutting sheet material. B. J. and R. S. Florian. 2,578,346, Dec. 11.
Mechanism for feeding rotary tool spindles of drill presses and the like. E. H. Cumpston, Jr. 2,578,464, Dec. 11.
Mechanism to minimize pitching in braked aircraft bogie undercarriages. E. J. Nicholl. 2,578,200, Dec. 11.
Medicine cabinet. R. P. Smith. 2,578,096, Dec. 11.
Metal joist. A. Davis, Jr., and J. A. Nichols. 2,578,465, Dec. 11.
Metal skin stitcher. C. W. Warren. 2,578,212, Dec. 11.
Meter: *See*—
Gloss meter.
Phase angle and power factor meter.
Method and apparatus for forming fibers. C. J. Stalego. 2,578,100, Dec. 11.
Method of and circuit for material modification and coolant clarification. R. B. Booth, and N. Morash. 2,578,040, Dec. 11.
Methylenedioxyphenyl compounds containing sulfur as insecticide and pyrethrin synergists. O. F. Hedenburg. 2,578,302, Dec. 11.
Micrometer measuring and scribing tool. J. J. Twardowski. 2,578,615, Dec. 11.
Microwave cavity resonator device. R. R. Law. 2,577,971, Dec. 11.
Milk can punch. S. M. Codiga. 2,578,462, Dec. 11.
Mine roof scaler. A. Shacikoski. 2,577,924, Dec. 11.
Mixing apparatus for tanks. F. D. Moyer. 2,577,797, Dec. 11.
Mobile dwelling. C. D. Willson. 2,577,836, Dec. 11.
Moistener for hectograph duplicators. H. Gerlach and E. M. Benello. 2,577,886, Dec. 11.
Mold: *See*—
Twelve cavity grommet mold.
Mold for ice cream, confections, etc., Plastic. J. Kappel. 2,578,361, Dec. 11.
Molding composition for battery containers. C. H. Ditz and H. A. Hussey. 2,578,518, Dec. 11.
Molds for electrotypes, Making. H. G. Schwarz. 2,578,209, Dec. 11.
Monoazo compounds containing a 4,6-dihydroxypyrimidine nucleus. J. B. Dickey and J. G. McNally. 2,578,290, Dec. 11.
Motion converting mechanism. T. Y. Korsgren. 2,578,559, Dec. 11.
Motor: *See*—
Geared electric motor. Spring motor.
Mounting: *See*—
Gun sight mounting. Window mounting.
Telephone mounting.
Mounting for cameras, Flash synchronizer. D. Throne. 2,578,157, Dec. 11.
Mounting for guard finger with ledger plates. O. Wannebo. 2,577,939, Dec. 11.
Movement transmitting system. W. T. Marchment. 2,578,257, Dec. 11.
Multicapsule sheet. C. Nicolle. 2,578,444, Dec. 11.
Multidirectional selective switch. H. Sengebusch. 2,578,095, Dec. 11.
Multiple liquid dispensing valve. J. Harr. 2,578,544, Dec. 11.
Multiple poultry feeder. C. L. Noelcke, Sr. 2,578,369, Dec. 11.
Multiple speed power transmitting means for sewer rod tractors. W. D. Osborn. 2,578,584, Dec. 11.
Multiple station machine tool. A. W. Johnson and E. L. Fagerstrom. 2,577,766, Dec. 11.
Multirange extensometer. L. K. Hyde. 2,578,066, Dec. 11.
Multivibrator, Stabilized frequency-modulated. M. E. Mohr. 2,577,795, Dec. 11.
Musical instrument with tone sustaining means, Electrical. J. M. Hanert. 2,577,753, Dec. 11.
Nail set. L. J. Di Pietro. 2,577,954, Dec. 11.
Needle, Knitting. J. C. Winalow. 2,578,117, Dec. 11.
Neptunium chlorides, Making. S. Fried and N. R. Davidson. 2,578,416, Dec. 11.
Net roller for fishing boats. W. S. York. 2,578,622, Dec. 11.
Network for intercommunication system. W. A. Plice. 2,577,806, Dec. 11.
Nonwarping trussed door. G. S. Green and L. F. Howatt. 2,578,240, Dec. 11.
Nozzle, Atomizing. F. Kurata. 2,577,853, Dec. 11.
Nozzle for liquid fuels or other liquids, Delivery. F. J. Marlow. 2,577,901, Dec. 11.
Nozzle, Spray. D. Bendersky, F. H. Gage, and W. M. Yocum. 2,578,392, Dec. 11.
Oil can and light, Combination. H. S. Parisotto. 2,577,857, Dec. 11.
Oil filler neck extension for automobile engines. J. R. Green. 2,578,184, Dec. 11.
1,5-pentanediol difuroate. S. J. Hetzel. 2,578,246, Dec. 11.
1,1,2,5-tetrachlorothiophane. R. L. Haynor. 2,578,301, Dec. 11.
Opaque projection apparatus with adjustable tray and platen means. J. Y. Taylor. 2,578,106, Dec. 11.
Open-ended ratchet wrench. W. J. Filiatreault. 2,578,410, Dec. 11.
Opener, Can. J. C. Cunningham. 2,578,401, Dec. 11.
Operating mechanism for material-handling machines. J. A. Thierry. 2,577,826, Dec. 11.
Optical system for variable power Galilean telescopes. J. R. Milea. 2,578,574, Dec. 11.
Oscillator, Multiband. A. D. Baylor. 2,578,335, Dec. 11.
Overshot. W. Bendeler and C. Howard. 2,577,994, Dec. 11.
Oxidation of cumene. G. G. Joris. 2,577,768, Dec. 11.
Oxyfluoride glasses. K. Sun and M. L. Huggins. 2,578,325, Dec. 11.
P-tertiary-butyl phenol, Production of. S. P. Robinson. 2,578,597, Dec. 11.
Packaging. H. J. O'Brien. 2,578,583, Dec. 11.
Packaging beverage infusor units having string handles and tags. H. O. Irmscher. 2,577,765, Dec. 11.
Packing made of plastic material chiefly for pharmaceutical tubes. C. Nicolle. 2,578,445, Dec. 11.
Paired-roll crushers with peripheral sizing pockets on each roll. T. J. Gundlach. 2,578,540, Dec. 11.
Panel structure and assembling panels on a support. R. C. Perkins. 2,578,085, Dec. 11.
Paper container. J. K. M. Harrison. 2,578,244, Dec. 11.
Parachute pack. G. B. Brown. 2,577,737, Dec. 11.
Paraformaldehyde production with countercurrent concentration. R. L. Craven. 2,578,338, Dec. 11.
Pendulum compensator. R. T. Cloud. 2,577,875, Dec. 11.
Phase angle and power factor meter. G. A. Armstrong. 2,577,992, Dec. 11.
Phase shifting system. W. Few. 2,578,235, Dec. 11.
Phonograph control arrangement. R. S. Cranmer. 2,577,876, Dec. 11.
Photographic apparatus for successively copying each side of a document. A. E. Schubert. 2,578,320, Dec. 11.
Photographic color correction process. J. A. C. Yule. 2,578,333, Dec. 11.
Photographic spool. D. M. Paterson. 2,578,262, Dec. 11.
Pile fabric. E. F. Clark. 2,578,173, Dec. 11.
Pilot for gas burners, Safety. G. A. Peterson. 2,578,087, Dec. 11.
Pilot gas regulator. C. O. Glasgow. 2,578,005, Dec. 11.
Pipe rest. C. W. Shafer. 2,578,321, Dec. 11.
Piperazine oxides and preparing the same. J. J. Denton and H. W. Stewart. 2,578,053, Dec. 11.
Piston expander. C. F. Johnston. 2,578,555, Dec. 11.
Pivotally mounted tire bead compressing clamp. E. W. Oliva. 2,577,910, Dec. 11.
Pivoted jaw closure remover with eccentric pivot. S. M. Taylor. 2,578,379, Dec. 11.
Planetary transmission. T. Iavelli. 2,578,308, Dec. 11.
Plaster or bandage for skin application. H. S. Atherton. 2,577,945, Dec. 11.
Plasterer's darby. E. A. Whalen. 2,578,163, Dec. 11.
Plug: *See*—
Electric plug.
Plug for cylindrical passages, Crowned cupped resilient. M. L. Lockhart. 2,577,780, Dec. 11.
Plumb bob shield. H. S. Greene. 2,578,062, Dec. 11.
Polyethylene-wax compositions. H. G. Schneider, D. W. Young, and J. P. Rocca. 2,577,816, Dec. 11.

Polymerization reaction vessel. J. F. Nelson. 2,577,856, Dec. 11.
Polymerizing bis-diphenylene ethylene. R. J. S. Jennings and A. F. Williams. 2,578,479, Dec. 11.
Polytetrafluoroethylene packing material and making same. W. E. Llewellyn. 2,578,523, Dec. 11.
Polyvinyl acetate emulsion, Plasticized. H. C. Brinker. 2,577,734, Dec. 11.
Portable cylinder grinding tool. T. G. Pocci. 2,578,149, Dec. 11.
Portable power wrench. M. W. Bardwell. 2,578,279, Dec. 11.
Positive-locking hook. W. E. McCormick. 2,577,790, Dec. 11.
Posthole auger. G. L. Austin and E. B. Byrd. 2,578,033, Dec. 11.
Power drive. R. B. Pealer. 2,578,316, Dec. 11.
Preparing ignitable mixtures. H. Teegen. 2,578,380, Dec. 11.
Preparing metal salts of penicillin. M. Tishler. 2,577,865, Dec. 11.
Preparing unsupported films of polytetrafluoroethylene. D. E. Edgar. 2,578,522, Dec. 11.
Press: *See*—
Forging press.
Pressure cooker closure structure. B. F. Andersson. 2,578,389, Dec. 11.
Pressure dyeing apparatus for textile packages. E. J. Abbott. 2,577,727, Dec. 11.
Pressure gas generation control. R. M. Nardone. 2,578,443, Dec. 11.
Pressure relief valve. F. Hribar. 2,577,851, Dec. 11.
Pressure roller bending device for duplicating machines. F. R. Ford. 2,578,413, Dec. 11.
Prevention of erosion by moving solids. P. W. Garbo. 2,578,003, Dec. 11.
Printer and drier for planographic printing plates, Combined. R. A. Dalton. 2,578,048, Dec. 11.
Printing machine, Keyboard operated. C. Chisholm. 2,578,286, Dec. 11.
Printing press frame structure, Rotary. E. W. Worthington and C. V. Knell. 2,577,989, Dec. 11.
Printing telegraph system. A. A. and M. F. Sweeny. 2,578,025, Dec. 11.
Producing anils. G. F. Lisk and G. W. Stacy. 2,577,900, Dec. 11.
Producing apparent solidification of liquid hydrocarbons. J. P. Labour. 2,578,432–3, Dec. 11.
Producing artificial fibers from high molecular linear polymers or polycondensates. B. Piller, J. Zmatlík, J. Pinkava, and M. Starý. 2,577,915, Dec. 11.
Producing copolymers by reacting an N-carboxyl anhydride of an alpha aminoacid with an omega aminoacid. E. Kaczalski. 2,578,428, Dec. 11.
Producing parts. W. J. Scott and C. C. Veale. 2,577,923, Dec. 11.
Projector transmission, Motion-picture. L. H. Moomaw. 2,578,082, Dec. 11.
Protective circuit. F. D. Greenleaf, L. M. Seeberger, and S. H. Buder. 2,577,848, Dec. 11.
Protective layer for finished photographic film. L. E. Bliss. 2,578,282, Dec. 11.
Protector: *See*—
Valve protector. Valve shank protector
Providing oxide coating on aluminum and its alloys. C. C. Cohn. 2,578,400, Dec. 11.
Pulse modulator. R. B. Lawrence. 2,578,253, Dec. 11.
Pulse recognition device. C. B. Tompkins. 2,577,827, Dec. 11.
Pump: *See*—
Bellows pump. Injection pump.
Pump. W. Shallenberg. 2,578,322, Dec. 11.
Purification of benzene polycarboxylic acids by an oil sublimation process. W. G. Toland, Jr. 2,578,326, Dec. 11.
Purification of chlorocarbons. P. A. Florio and J. D. Calfee. 2,577,847, Dec. 11.
Purification of cobalt sulphate solution. R. E. Churchward and F. K. Shelton. 2,577,739, Dec. 11.
Push-button biturn single-pole switch. J. A. Glnard. 2,577,960, Dec. 11.
Pyrrolidine compounds and preparing same. G. L. Evans. 2,578,526, Dec. 11.
Queen and drone trap. C. H. Pease. 2,578,634, Dec. 11.
Quick exit separable fastener. L. H. Morin. 2,578,442, Dec. 11.
Quinaldinium salts and synthesis. D. W. Heseltine. 2,578,303, Dec. 11.
Rack. S. Schoor. 2,577,860, Dec. 11.
Radio receiver for use on aircraft in the field of a rotating beam. G. Guanella. 2,578,241, Dec. 11.
Radio receiving system, Very high-frequency. R. W. Hart. 2,577,757, Dec. 11.
Radio signaling system, Remote supervisory. W. S. Halstead. 2,577,751, Dec. 11.
Rate control means for target trackers. K. B. Palme. 2,578,202, Dec. 11.
Reacting rubbers with sulfur dioxide. J. T. Hackmann. 2,578,063, Dec. 11.
Receptacle: *See*—
Elastomer coin receptacle.
Receptacle tilting and unloading device. F. J. White and C. W. Scott. 2,578,116, Dec. 11.
Reconditioning phonographic records, Method of and apparatus for. R. M. Somers. 2,578,457, Dec. 11.
Recorder, Consecutive ratio. G. L. Broomell, Jr. 2,577,735, Dec. 11.
Recovery of unsaturated oil from used HF catalyst. J. P. O'Neil. 2,577,799, Dec. 11.
Reducing nitroanilines. H. Von Bramer, J. E. Magoffin, and M. Clemens. 2,578,328, Dec. 11.
Reel: *See*—
Fishing reel. Thread advancing reel.
Reel for paper cutting machines, Contractile. J. M. Hammond. 2,578,064, Dec. 11.
Refrigeration device. W. R. Dapprich. 2,578,049, Dec. 11.
Regulator: *See*—
Pilot gas regulator. Voltage regulator.
Reinforcing asbestos-cement sheets. F. L. Nash. 2,578,581, Dec. 11.
Reinforcing asbestos-cement sheets and apparatus for use therein. F. L. Nash. 2,578,580, Dec. 11.
Removing backs from marine and fresh water shells. J. H. Hooton. 2,578,356, Dec. 11.
Removing mercaptans from hydrocarbons with alkali impregnated charcoal. H. M. Stine. 2,577,824, Dec. 11.
Resinous copolymerization products. H. S. Bloch. 2,578,168, Dec. 11.
Respirator. J. D. Hill. 2,578,007, Dec. 11.
Retractable make-up applicator. C. A. Mureau. 2,578,084, Dec. 11.
Reversing flume mechanism for clothes wringers. S. I. Gabrielson. 2,578,417, Dec. 11.
Reversing valve. N. A. Christensen. 2,577,999, Dec. 11.
Ridge or step grinder for internal-combustion engines. C. R. Merrill. 2,578,195, Dec. 11.
Riveting and like machines with pressure limiting mechanism. A. R. Havener. 2,578,546, Dec. 11.
Road marker. F. E. Ballew. 2,578,497, Dec. 11.
Road rail. O. L. Braun. 2,577,996, Dec. 11.
Rocker arm. J. R. Winter, Jr. 2,578,638, Dec. 11.
Rodent repelling binder cord and making same. A. W. Ralston, J. P. Barrett, and E. W. Segebrecht. 2,578,595, Dec. 11.
Roller attachment for chairs. F. J. Placerean. 2,578,488, Dec. 11.
Rotary drier. C. E. Bill. 2,578,166, Dec. 11.
Rotary fluid valve. J. B. Van Der Werff. 2,578,160, Dec. 11.
Rotatable burner support. J. E. Chambers. 2,578,227, Dec. 11.
Rotor oar for boats, Manually operated. A. Graci. 2,578,535, Dec. 11.
Rouge, Liquid face. L. Silva. 2,578,210, Dec. 11.
Rug making device, Hooked. J. A. Bolger. 2,578,038, Dec. 11.
Safety equipment for jails, banks, and the like. G. Johnston. 2,578,556, Dec. 11.
Safety valve. A. Perrault. 2,578,590, Dec. 11.
Salt and pepper shaker with concentrically arranged compartments, Combination. R. C. Gray. 2,578,538, Dec. 12.
Sash balancing mechanism. A. and L. de Vries. 2,577,953, Dec. 11.
Saw, Tractor mounted brush. B. and H. H. Miller. 2,577,906, Dec. 11.
Scaffold pole, Safety. H. H. Clark. 2,578,228, Dec. 11.
Scaffold supporting structure. R. E. Pierson and C. W. Herwig. 2,577,979, Dec. 11.
Scaffolding device. F. A. Yench. 2,578,119, Dec. 11.
Scale, Recording. L. D. Singleton. 2,577,820, Dec. 11.
Screw and nut mechanism. C. L. Shull. 2,578,608, Dec. 11.
Screw and washer assembly machine. W. C. Anderson. 2,578,217, Dec. 11.
Screw compressor. C. O. J. Montelius. 2,578,196, Dec. 11.
Screw thread tester. F. Short. 2,577,819, Dec. 11.
Screw-threaded insert. J. Rosan. 2,577,810, Dec. 11.
Scrubber with lining and paddles of rubbery materials. R. C. Edwards. 2,578,180, Dec. 11.
Seal for an auxiliary window frame and a main window sash. F. Gorell and P. D. Pozzi. 2,578,470, Dec. 11.
Seat: *See*—
Body supporting seat. Foldable seat.
Seat attachment for barbers' chairs, Rotary. D. M. Powell. 2,578,373, Dec. 11.
Second and third harmonic generator. H. Sussman. 2,578,613, Dec. 11.
Sectional athletic field cover. C. J. Holgaard and F. W. Boeck. 2,578,135, Dec. 11.
Self-discharging sludge separator. A. Nyrop. 2,578,484, Dec. 11.
Semiconductor translators, Manufacture of. W. G. Pfann. 2,577,803, Dec. 11.
Separating wax from liquids. J. Mair. 2,578,192, Dec. 11.

Separator: *See*—
Centrifugal separator. Gas-liquid separator.
Continuous centrifugal separator. Self-discharging sludge separator.
Separator for electric storage batteries. J. D. Giles and R. J. Scott. 2,578,534, Dec. 11.
Sextant hatch. P. F. Everitt and G. R. Jamieson. 2,578,234, Dec. 11.
Shaft measuring tool. J. C. H. Maheux. 2,578,011, Dec. 11.
Shaker and dispenser, Sugar. V. M. Llorens. 2,578,010, Dec. 11.
Shaker, Cocktail. A. D. Mortrude. 2,577,976, Dec. 11.
Shaving apparatus. L. B. V. Brange and B. E. Sjöstrand. 2,577,873, Dec. 11.
Shears for pinking, Hand. E. M. Wallace. 2,578,616, Dec. 11.
Shears, Grass. C. Sekely. 2,578,606, Dec. 11.
Sheet collator. A. Dager. 2,578,176, Dec. 11.
Sheet metal snap fastener. G. A. Tinnerman. 2,578,381, Dec. 11.
Sheet realigning attachment for typewriters. G. I. Pierce. 2,578,088, Dec. 11.
Shield and helmet, Combination welder's face. R. A. Bub. 2,578,171, Dec. 11.
Shield for garment hangers. H. A. Tomarin. 2,578,383, Dec. 11.
Shipping package for storage batteries. B. J. Thacker, S. C. Harris, and W. O. Newstrom. 2,578,107, Dec. 11.
Shoe calk, Athletic. F. C. Phillips. 2,578,591, Dec. 11.
Shoe skate and stop assembly. E. J. Wall. 2,578,384, Dec. 11.
Shopping bag and pants hanger. L. J Behr 2,578,391, Dec. 11.
Shutter device of the lamellar type for cameras, aerial cameras, survey cameras, and the like. E. Santoni. 2,578,604, Dec. 11.
Shuttle. M. M. Taylor. 2,577,929, Dec. 11.
Side bar cylinder lock. R. C. Spain. 2,578,211, Dec. 11.
Sign projection apparatus. E. A. Bullock. 2,578,336, Dec. 11.
Signal for motor vehicles, Automatic warning. T. A Lapadura. 2,578,562, Dec. 11.
Signal recording system and apparatus, Electronic. C. W. Jacob. 2,577,894, Dec. 11.
Signal system, Warning. E. D. L. Bowman. 2,578,284, Dec. 11.
Signal transmitting device for vehicles. F. Gagnaire. 2,578,347, Dec. 11.
Signaling device for automobiles. E. E. Jellison. 2,578,358, Dec. 11.
Signaling system, Electric pulse. L. I. Farren, N. E. Head, and M. M. Levy. 2,578,527, Dec. 11.
Sintering ores and the like. A. Holmberg. 2,578,426, Dec. 11.
Skee-ball game apparatus. E. M. Sire. 2,578,375, Dec. 11.
Skewer. S. J. Fricano. 2,578,182, Dec. 11.
Sock with rearwardly extending toe cap, Leather soled. A. S. Reed. 2,578,091, Dec. 11.
Solid fuel furnace. A. G. Edvinsson. 2,578,051, Dec. 11.
Solvent fractionation of wax-containing mixtures. E. W. Clarke. 2,578,510–12, Dec. 11.
Spark gap modulator. J. R. Perkins. 2,578,263, Dec. 11.
Spindle for textile machinery. E. Findlow. 2,578,530, Dec. 11.
Spinning viscose. R. S. Bley. 2,577,732, Dec. 11.
Spoon, Aerating mixing. J. J. Schmitt. 2,578,208, Dec. 11.
Spray gun. W. P. Dalrymple. 2,578,402, Dec. 11.
Spray gun for comminuted material and adhesive. E. J. Fisher. 2,578,412, Dec. 11.
Spray gun keper. F. F. Melvin and J. O. Stevens. 2,578,572, Dec. 11.
Sprayer head control mechanism. W. W. Tranter. 2,577,828, Dec. 11.
Spring: *See*—
Torsion brake release spring.
Spring comparator. T. G. Pidduck. 2,577,805, Dec. 11.
Spring construction, Upholstery. E. Samel. 2,577,812, Dec. 11.
Spring motor. A. A. Gussa. 2,577,962, Dec. 11.
Spring selecting and feeding machine. W. K. McInerney and J. M. McInerney. 2,578,438, Dec. 11.
Spring suspension for vehicles. A. F. Hickman. 2,577,760–1, Dec. 11.
Squad hitch, Disk harrow. A. E. and G. F. Baccel. 2,577,993, Dec. 11.
Stabilization of halogenated organic compounds with dibutyl diphenyl tin. R. L. Jenkins. 2,578,359, Dec. 11.
Stable chlorinated malamine composition. F. Strain. 2,578,270, Dec. 11.
Stable, water soluble, cationic melamine formaldehyde resins. G. F. Jones. 2,577,767, Dec. 11.
Stairs. J. W. Thornton and P. D. Donlon. 2,577,864, Dec. 11.
Stairway, Disappearing. W. C. Pfahl. 2,577,914, Dec. 11.
Stamped valve handle. J. D. Baldwin, Jr. 2,577,838, Dec. 11.
Staple puller and insulator remover. R. A. E. Palmer. 2,577,911, Dec. 11.
Steering and braking mechanism, Vehicle. R. C. Weidinger, Sr. 2,577,831, Dec. 11.
Step printer. W. B. Hausman. 2,578,300, Dec. 11.
Stirrer. J. P. Kinton. 2,577,896, Dec. 11.
Stoker drive, Industrial. R. C. Wright. 2,578,650, Dec. 11.
Stop device for motion-picture projectors, Automatic. P. S. Nielsen. 2,577,909, Dec. 11.
Storage battery charging system and method. R. L. Tichenor. 2,578,027, Dec. 11.
Storage battery terminal. E. L. Longaker. 2,578,191, Dec. 11.
Stove with hot cupboard, Heating. J. Esselstrom. 2,578,408, Dec. 11.
Stretchable diaphram. C. P. Krupp and F. G. Gerber. 2,578,140, Dec. 11.
Studying earth formations employing carbon disulfide as a tracer. G. C. Bernard and M. Savoy. 2,578,500, Dec. 11.
Suction roll seal assembly. L. Hornbostel. 2,578,551, Dec. 11.
Superregenerative frequency-modulation receiver. B. D. Loughlin. 2,577,782, Dec. 11.
Supersonic agitation. B. Carlin. 2,578,505, Dec. 11.
Support: *See*—
Illuminated picture support. Rotatable burner support.
Support for gyroscopes and the like, Antifriction. G. Agins. 2,577,942, Dec. 11.
Surface-treated silica. D. S. Sears and E. B. Newton. 2,578,605, Dec. 11.
Surge insulation tester. E. W. Bauer. 2,578,499, Dec. 11.
Suspension. R. N. Janeway. 2,578,137, Dec. 11.
Suspension. R. N. Janeway and P. H. Pretz. 2,578,138, Dec. 11.
Suspension bar for vertically suspending plans, drawings, maps, and the like in storage cabinets. K. M. Kölbl. 2,578,252, Dec. 11.
Swatter, Insect. A. P. Fürst. 2,578,183, Dec. 11.
Swatter, Shooting fly. F. P. Grunkemeyer. 2,578,352, Dec. 11.
Sweep generator. R. A. McConnell and V. A. Olson. 2,578,258, Dec. 11.
Switch: *See*—
Automatic switch. Push-button biturn single-pole switch.
Electric switch.
Multidirectional selective switch.
Switch assembly for vehicles, Directional signal. J. W. Harstine. 2,578,423, Dec. 11.
Switch brush unit assembly, Selector. G. Deakin. 2,577,742, Dec. 11.
Swtch means, Electrical. T. G. Burrichter. 2,578,503, Dec. 11.
Syringe, Hypodermic. S. Blackman. 2,578,394, Dec. 11.
System of seismic recording. J. E. Hawkins. 2,578,133, Dec. 11.
Take-up magazine for strip material. W. Bornemann and R. A. Gordon. 2,578,283, Dec. 11.
Tank for use in impregnating wood. G. H. Bonnell, A. J. Bailey, and G. G. Garlick. 2,578,039, Dec. 11.
Tape dispenser. C. W. Double. 2,578,519, Dec. 11.
Tape former apparatus. A. H. Harley. 2,578,473, Dec. 11.
Tappet, Self-adjusting. G. H. Hufferd. 2,577,852, Dec. 11.
Telemetering system. L. E. Hayslett and F. M. Schmidt. 2,578,643, Dec. 11.
Telephone exchange system. E. Cohrt. 2,577,740, Dec. 11.
Telephone mounting. E. E. Mott. 2,578,367, Dec. 11.
Telephone office without three cords, Trunk. A. J. Henquet and M. R. Mauge. 2,577,759, Dec. 11.
Telescope for aligning lenses, jigs, and the like. P. L. Pryor. 2,577,807, Dec. 11.
Telescopic sight. T. L. Ford. 2,578,130, Dec. 11.
Television, Color. T. T. Harrington. 2,577,756, Dec. 11.
Television noise measuring technique and apparatus. D. K. Gannett. 2,578,348, Dec. 11.
Television system, Stereoscopic. A. M. Goldsmith. 2,578,298, Dec. 11.
Terminal socket electrical connector. J. H. Odenheimer. 2,578,448, Dec. 11.
Test adapter. J. W. Cook. 2,578,288, Dec. 11.
Thermal processing of food products. C. F. Martin and V. O. Wodicka. 2,578,437, Dec. 11.
Thermoelectric burner control system. R. Matthews. 2,578,194, Dec. 11.
Thermometer, Age compensated glass. L. C. Liberatore. 2,578,563, Dec. 11.
Thermostat control means for engine cooling systems. R. T. Marette. 2,578,141, Dec. 11.
Thermostatic air control device for carburetors. G. E. Ingram. 2,578,553, Dec. 11.
Thermostatic device. W. A. Mudge. 2,578,197, Dec. 11.
Thread advancing reel. H. Von Kohorn. 2,578,330, Dec. 11.
3,4-dimethyl 1-ethyl benzene, Producing. W. E. Elwell. 2,578,294, Dec. 11.
3,20-diacyloxy-5,7,9(11),17(20)-pregnatetraenes. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,577,777, Dec. 11.

3,22 - diacyloxy - 5,7,9(11),20(22) - bisnorcholatetraenes. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,577,776, Dec. 11.
Throttle controlled carburetor producing a rich mixture for an exhaust turbine. S. M. Udale. 2,578,028, Dec. 11.
Time-division multiplex system wherein the duration of each received sample is effectively increased. A. Montani. 2,578,083, Dec. 11.
Timer for cameras, Automatic exposure. R. H. Lee. 2,577,774, Dec. 11.
Timing device, Electric. L. A. King. 2,578,557, Dec. 11.
Timing device, Engine. G. R. Williams. 2,577,835, Dec. 11.
Tobacco pipe and igniter, Combination. M. J. Greenblatt. 2,578,061, Dec. 11.
Tone and volume control. P. F. G. Holst and M. J. Nelson. 2,577,893, Dec. 11.
Tongs, Fish and crab. W. L. Everett. 2,578,344, Dec. 11.
Tongs for handling building blocks. A. Kargol. 2,578,072, Dec. 11.
Tongs for lift trucks, Charging. J. H. Jones. 2,578,070, Dec. 11.
Tool: *See*—
Fencing tool.
Hydraulic cutting tool.
Mechanic's tool.
Micrometer measuring and scribing tool.
Multiple station machine tool.
Portable cylinder grinding tool.
Shaft measuring tool.
Tool. L. J. Charipar. 2,578,126, Dec. 11.
Tool for circular knitting machines, Needle replacement. J. E. Carnes, Jr. 2,578,506, Dec. 11.
Tool for shaving down local protuberances. J. Plester. 2,578,371, Dec. 11.
Tool grinding machine. A. M. Kroczek. 2,578,309, Dec. 11.
Tool with resiliently urged longitudinally shiftable upsetting element, Grommet applying. J. W. Wiesmann. 2,578,619, Dec. 11.
Torque limiter. T. F. Garrahan, Jr. 2,578,533, Dec. 11.
Torque meter in gear drives. L. Haworth and C. B. Taylor. 2,578,474, Dec. 11.
Torsion brake release spring. L. H. Heuer. 2,577,964, Dec. 11.
Toy, Ball bouncing pull. G. Mysels. 2,578,579, Dec. 11.
Toy coupling. C. Nehrke. 2,578,368, Dec. 11.
Toy gun. V. V. Muggli. 2,578,198, Dec. 11.
Toy pistol. L. Ahmanson. 2,578,029, Dec. 11.
Traffic lane marker strip. J. E. Carter. 2,577,997, Dec. 11.
Traffic system over power supply lines, High-frequency. F. C. M. Berger. 2,577,731, Dec. 11.
Training apparatus for simulating flight indicating instruments. R. C. Dehmel. 2,578,177, Dec. 11.
Transformer. J. H. Bridges. 2,577,733, Dec. 11.
Transformer. H. A. Strickland, Jr. 2,577,825, Dec. 11.
Transition curve plotter for roads and railways and other purposes. F. T. Murray. 2,578,483, Dec. 11.
Transmission. G. A. Reinhard. 2,578,015, Dec. 11.
Trap: *See*—
Queen and drone trap.
Trap tunnel. R. I. Burton. 2,578,172, Dec. 11.
Treating granular solids. J. Hyslop. 2,578,357, Dec. 11.
Treatment of metals. J. C. Fourmanoit. 2,577,883, Dec. 11.
Trolling sinker. C. L. Hinkson. 2,577,965, Dec. 11.
Truck. W. M. Dunn. 2,578,232, Dec. 11.
Truck, Snubbed bolster. L. A. Lehrman. 2,578,480, Dec. 11.
Tube: *See*—
Cold cathode electric discharge tube.
Tube for operation with short waves, Electron. P. Grivet. 2,578,471, Dec. 11.
Tube thickener. E. G. Smith and O. M. Cocchiarella. 2,578,636, Dec. 11.
Tubes, Tangentially finned heat exchange. A. Huet. 2,578,136, Dec. 11.
Tubing bundle or cluster. C. H. Barnard. 2,578,280, Dec. 11.
Tubing calipering device. J. V. Fredd. 2,578,236, Dec. 11.
Tubing head and blowout preventer, Combined. W. P. French. 2,578,056, Dec. 11.
Tufting. W. W. Hamby. 2,578,242, Dec. 11.
Tuning control mechanism. L. G. Dixon. 2,577,955, Dec. 11.
Tunnel kiln. E. van der Pyl. 2,577,935, Dec. 11.
Turbine blades, Making. E. F. Gibian. 2,577,747, Dec. 11.
Twelve cavity grommet mold. R. L. Simpkins, J. S. Materka, and H. A. Elliott. 2,578,492, Dec. 11.
2,4-oxazolidinediones. R. W. Stoughton. 2,578,611, Dec. 11.
Two-part connector and cam means for forcing the two parts into engagement. W. J. Bauroth. 2,577,871, Dec. 11.
Ultrahigh-frequency tuning apparatus. E. Karplus. 2,578,429, Dec. 11.
Underslung tire carrying frame. L. and W. Ek, and W. Grubb. 2,578,466, Dec. 11.
Unsaturated acids, Production of. F. C. Visor. 2,577,829, Dec. 11.
Upper shaping machine. L. G. Miller. 2,577,907, Dec. 11.
Valve: *See*—
Check valve.
Diaphragm valve.
Hydraulic selector valve.
Multiple liquid dispensing valve.
Pressure relief valve.
Reversing valve.
Rotary fluid valve.
Safety valve.
Valve and sealing structure therefor. C. A. Brown. 2,578,396, Dec. 11.
Valve for a circuit breaker pneumatic motor, Dump. E. C. Goodwin. 2,578,349, Dec. 11.
Valve for expediting reverse movements of fluid motors, Dumping. H. L. Peek. 2,578,204, Dec. 11.
Valve for high-pressure lines, Eccentric ball. R. W. Drake. 2,577,725, Dec. 11.
Valve protector. J. H. Hartman. 2,578,628-9, Dec. 11.
Valve shank protector. J. H. Hartman. 2,578,630, Dec. 11.
Valve with a variable range of regulation. O. V. Tillberg. 2,578,109, Dec. 11.
Vapor expulsion. G. C. Morris. 2,578,577, Dec. 11.
Vaporizer, Vertical. R. R. Fisher. 2,577,958, Dec. 11.
Variable attenuator with linear drive. S. A. Johnson. 2,578,249, Dec. 11.
Variable drive transmission. L. McGihon. 2,578,012, Dec. 11.
Variable-frequency interdigital magnetron. H. J. McCarthy. 2,578,569, Dec. 11.
Variable percussion hermetically sealed electromagnetic call-signal device. R. W. Augustine and J. F. Houdek, Jr. 2,578,032, Dec. 11.
Variable pitch propeller. W. L. Greene. 2,578,350, Dec. 11.
Variable reactance decoupling circuit. W. R. Faust and H. M. Beck. 2,577,746, Dec. 11.
Variable-speed drive and clutch. A. A. Peterson. 2,577,913, Dec. 11.
Variable-speed transmission mechanism. L. Danelon. 2,578,403, Dec. 11.
Vector analog computing mechanism. H. Harrison. 2,578,299, Dec. 11.
Vehicle: *See*—
Combined road and rail vehicle.
Vehicle detecting device. B. Cooper and S. A. Kroll. 2,578,046, Dec. 11.
Vehicle mounted chain-saw wood sawing machine. M. Soss. 2,578,097, Dec. 11.
Vehicle with drive shaft coupled to forward extremity of engines. O. R. Smith. 2,578,156, Dec. 11.
Vending machine. G. W. Haase and L. D. Merkl. 2,578,545, Dec. 11.
Vertical joint sealing strip for concrete slab road pavements. J. E. Carter. 2,577,998, Dec. 11.
Vertical lift control system. L. H. Kiesling. 2,578,431, Dec. 11.
Vibrating mechanism for dynamic mold casting machines. A. G. Welblund. 2,578,213, Dec. 11.
Vibrator. C. F. Coake. 2,578,640, Dec. 11.
Video amplifier coupling network for television receivers. F. A. Wissel. 2,577,868, Dec. 11.
View finder and drift sight. G. S. Monk. 2,578,013, Dec. 11.
Viscose, Manufacture of. W. R. Weigham, W. J. C. Field, and F. G. Dunton. 2,578,274, Dec. 11.
Voltage clamping circuit. C. W. Sherwin. 2,578,268, Dec. 11.
Voltage regulator. S. Wald and T. E. Dunn. 2,578,385, Dec. 11.
Voltmeter, Expanded scale. N. P. Millar. 2,578,441, Dec. 11.
Wall construction panel. J. Sylvan. 2,578,614, Dec. 11.
Wallet construction, Stitchless. F. A. Brady. 2,578,502, Dec. 11.
Warp beam collar. T. Rovas. 2,578,018, Dec. 11.
Warping a beam, Method and apparatus for. T. Rovas. 2,578,017, Dec. 11.
Water-cooled furnace door. E. E. Brown and E. Miller. 2,577,736, Dec. 11.
Water service apparatus. J. T. McGarry. 2,578,143, Dec. 11.
Water tank for concrete mixers. G. W. Cronk. 2,578,000, Dec. 11.
Wave-signal receiver. B. D. Loughlin. 2,577,781, Dec. 11.
Welding machine. H. Kershaw. 2,578,074, Dec. 11.
Wet spinning process. H. M. Hoxie. 2,577,763, Dec. 11.
Wheel alignment gauge. J. C. Creagmile. 2,577,841, Dec. 11.
Wheel and producing same, Grinding. G. E. Björklund and J. E. H. Westberg. 2,578,167, Dec. 11.
Wheel arrangement for baggage, Retractable. E. J. Cortsen. 2,577,951, Dec. 11.
Wheel grinder. H. C. Jones. 2,578,250, Dec. 11.
Wheel rotating device. J. Schaefer. 2,578,266, Dec. 11.
Wheeled attachment for boats. A. Smith. 2,578,376, Dec. 11.
Wick holder loading machine. E. F. Pinney. 2,578,449, Dec. 11.

Winding machine. C. O. Bachman. 2,578,461, Dec. 11.
Window construction. A. G. Lorimer. 2,578,435, Dec. 11.
Window fan assembly with width-adjustment provision. G. A. Delf and R. E. Kortum. 2,577,845, Dec. 11.
Window mounting. A. M. Skudre. 2,577,783, Dec. 11.
Wire-forming machine. H. M. Young. 2,578,216, Dec. 11.
Wire recording, Magnetic. T. M. Shrader. 2,578,023, Dec. 11.
Wood planer. H. T. Moore. 2,577,975, Dec. 11.
Wood product and making the same, Artificial. C. Roman. 2,578,489, Dec. 11.
Work guide for woodworking machines and the like. C. F. Crow. 2,578,516, Dec. 11.
Wrench: *See*—
Open-ended ratchet Portable power wrench.
wrench.
Wrench having sliding link and pivoted jawpiece, Pipe. H. G. Greathouse. 2,577,888, Dec. 11.
Yarn carrier. E. Jentsch. 2,577,968, Dec. 11.
Yarn-carrying device. M. M. Taylor. 2,577,928, Dec. 11.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 11, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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Condition of Applications Under Examination at Close of Business Nov. 23, 1951

Total number of patent applications awaiting action, 106,009. Date of oldest new application, January 3, 1951; date of oldest amended application, January 2, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	1-20-51	1-19-51	2,224
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-7-51	4-4-51	1,121
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-27-51	3-29-51	1,569
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-5-51	1-31-51	2,018
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-3-51	4-11-51	1,118
6. SURLE, H., Carbon Chemistry (part)	3-10-51	3-13-51	1,943
7. GONSALVES, J. E., Optics; Photography (part)	4-6-51	3-22-51	1,308
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-14-51	2-16-51	1,818
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	2-7-51	2-8-51	1,585
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	2-2-51	1-29-51	1,186
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	3-6-51	2-28-51	1,016
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-8-51	3-5-51	1,055
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-8-51	2-9-51	1,214
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	2-15-51	2-7-51	1,630
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-13-51	3-12-51	1,278
16. LOVEWELL, N. N., Television, Telephony	1-25-51	1-25-51	1,277
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	2-1-51	2-1-51	1,661
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-26-51	1-24-51	1,564
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	1-30-51	1-26-51	1,134
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	2-6-51	2-7-51	1,471
21. MADER, R. C., Textiles	1-20-51	1-23-51	1,520
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	2-5-51	2-1-51	1,263
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-24-51	1-24-51	824
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-26-51	3-28-51	1,624
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-5-51	3-1-51	1,358
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-26-51	1-30-51	1,226
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	1-3-51	1-2-51	2,118
28. BRAUNER, R. H., Motors, Expansible Chamber Type ;Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-7-51	2-2-51	1,551
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-30-51	1-19-51	1,515
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	3-23-51	3-26-51	1,558
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-22-51	3-12-51	1,990
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	2-19-51	2-1-51	1,313
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-1-51	2-16-51	2,201
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	2-23-51	2-23-51	1,273
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	1-12-51	1-12-51	1,646
36. McFADYEN, A. D., Measuring and Testing	1-25-51	1-24-51	1,371
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	3-26-51	3-21-51	1,224
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-7-51	2-1-51	1,378
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	3-26-51	3-26-51	2,119
40. DRUMMOND, E. J., Receptacles (part); Packages	2-12-51	2-6-51	2,572
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-2-51	1-26-51	1,209

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business Nov. 23, 1951

Total number of patent applications awaiting action, 106,009. Date of oldest new application, January 3, 1951; date of oldest amended application, January 2, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	1-20-51	1-19-51	2,224
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-7-51	4-4-51	1,121
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	3-27-51	3-29-51	1,569
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-5-51	1-31-51	2,018
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-3-51	4-11-51	1,118
6. SURLE, H., Carbon Chemistry (part)	3-10-51	3-13-51	1,943
7. GONSALVES, J. E., Optics; Photography (part)	4-6-51	3-22-51	1,308
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-14-51	2-16-51	1,818
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	2-7-51	2-8-51	1,585
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	2-2-51	1-29-51	1,186
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	3-6-51	2-28-51	1,016
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-8-51	3-5-51	1,055
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-8-51	2-9-51	1,214
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	2-15-51	2-7-51	1,630
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-13-51	3-12-51	1,278
16. LOVEWELL, N. N., Television, Telephony	1-25-51	1-25-51	1,277
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	2-1-51	2-1-51	1,661
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-26-51	1-24-51	1,564
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	1-30-51	1-26-51	1,134
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	2-6-51	2-7-51	1,471
21. MADER, R. C., Textiles	1-20-51	1-23-51	1,520
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	2-5-51	2-1-51	1,263
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-24-51	1-24-51	824
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	3-26-51	3-28-51	1,624
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-5-51	3-1-51	1,358
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-26-51	1-30-51	1,226
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	1-3-51	1-2-51	2,118
28. BRAUNER, R. H., Motors, Expansible Chamber Type ;Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-7-51	2-2-51	1,551
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-30-51	1-19-51	1,515
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	3-23-51	3-26-51	1,558
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-22-51	3-12-51	1,990
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	2-19-51	2-1-51	1,313
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-1-51	2-16-51	2,201
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	2-23-51	2-23-51	1,273
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	1-12-51	1-12-51	1,646
36. McFADYEN, A. D., Measuring and Testing	1-25-51	1-24-51	1,371
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	3-26-51	3-21-51	1,224
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-7-51	2-1-51	1,378
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	3-26-51	3-26-51	2,119
40. DRUMMOND, E. J., Receptacles (part); Packages	2-12-51	2-6-51	2,572
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-2-51	1-26-51	1,209

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 106,009. Date of oldest new application. January 3, 1951; date of oldest amended application, January 2, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	2-8-51	2-10-51	1,379
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	4-6-51	3-15-51	1,093
44. HARVEY, L. P., Beds; Chairs, Seats	2-2-51	1-22-51	1,489
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	1-19-51	1-17-51	1,586
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	3-1-51	2-21-51	967
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	2-12-51	2-15-51	1,485
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	2-16-51	2-16-51	1,509
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	2-2-51	2-1-51	1,682
50. LEVIN, S., Synthetic Resins	5-24-51	5-10-51	1,552
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	1-26-51	1-29-51	1,085
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits	1-27-51	1-24-51	2,265
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	3-8-51	3-13-51	1,131
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-20-51	2-10-51	1,621
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	3-12-51	3-24-51	1,139
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	3-17-51	3-19-51	1,681
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	3-1-51	3-1-51	1,821
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	2-9-51	2-7-51	1,220
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	2-26-51	2-21-51	1,291
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	2-12-51	2-21-51	1,114
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	2-14-51	2-15-51	1,446
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	2-8-51	2-2-51	1,431
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	3-14-51	3-13-51	1,767
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	4-20-51	4-17-51	1,762
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-3-51	3-3-51	1,478
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	1-29-51	1-25-51	1,163
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	2-24-51	2-24-51	1,318
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	2-5-51	2-1-51	1,753
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	1-30-51	2-1-51	1,396
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	1-26-51	1-23-51	1,642
DESIGNS: A. BREHM, G. L., Industrial Arts	6-11-51	6-19-51	953
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	6-27-51	6-13-51	747

Total number of trade-mark applications awaiting action (including renewals and republications), 16,487. Date of oldest new application, April 28, 1951; date of oldest amended application, April 27, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	4-28-51	4-28-51	5,230
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	5-23-51	5-23-51	3,245
Renewals (All Classes)	9-14-51	10-18-51	580
Republications (All Classes)	10-4-51	10-18-51	312
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	5-2-51	4-27-51	3,892
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	5-28-51	5-14-51	3,228

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,124,695, W. W. Gleason, Spring assembly, D. C., E. D. Mich. (Detroit), Doc. 8722, *Nachman Corp.* v. *L. A. Young Spring & Wire Corp.* Judgment dismissing complaint, patent held invalid (notice Oct. 24, 1951).

2,140,831, Ecklund & Neilsen, Abrading device, filed Oct. 26, 1951, D. C., N. D. Ohio (Cleveland), Doc. 28610, *P. C. Neilsen* v. *Wilson Tire & Supply Co.*

2,201,068, G. Wintritz, Manufacture of slide fasteners; 2,318,445, same, Method and apparatus for making die rolls; 2,338,884, F. Ulrich, Apparatus for making slide fasteners; 2,352,141, same, Die roll and method of making same; 2,370,380, same, Machine and method for making slide fasteners, filed Oct. 31, 1951, D. C., S. D. N. Y., Doc. 70/349, *Conmar Products Corp.* v. *Seal Fastener Corp.*

2,318,445. (See 2,201,068.) 2,338,884. (See 2,201,068.)

2,352,141. (See 2,201,068.) 2,370,380. (See 2,201,068.)

2,392,695, H. A. Rohdin, Method and apparatus for heat sealing, filed Oct. 26, 1951, D. C. Md. (Baltimore), Doc. 5582, *Packaging Industries, Inc., et al.* v. *Durapak Mfg. Co.*

2,440,918, H. A. Schlessl, Window frame, D. C., W. D. Wash. (Seattle), Doc. 2347, *Durell Products* v. *Trim Set Corp. et al.* Judgment holding all claims invalid; injunction Oct. 10, 1951.

2,442,363, E. P. Jones, Window structure, filed Oct 23, 1951, D. C., S. D. Fla. (Miami), Doc. 3967–M, *Aero Vent Aluminum Window Corp* v. *Gate City Sash & Door Co.*

2,451,581, Slavsky & Slavsky, Price tag molding having a slide held tag and a transparent cover strip, D. C., E. D. Mich. (Detroit), Doc. 7817, *Hopp Press, Inc.* v. *Shaw & Slavsky, Inc., et al.* Stipulation and order of dismissal without prejudice (notice Oct. 26, 1951).

2,462,399. (See Des. 139,568.)

2,467,909, M. D. Rechler, Folding chair, D. C., E. D. N. Y. (Brooklyn), Doc. 10873, *Rexart Metal Industries, Inc.* v. *Leaf Chrome Furniture et al.* Action discontinued Oct. 29, 1951. Same, D. C., S. D. N. Y., Doc. 58/59, *Rexart Metal Industries, Inc.* v. *Gimbel Bros., Inc.* Stipulation and order of discontinuance Oct. 29, 1951. Same, Doc. 56/151, *Rexart Metal Industries, Inc.* v. *Selrite, Inc., et al.* Consent and order of discontinuance Oct. 29, 1951.

2,479,530, O. E. Watson, Store basket and carriage, filed Oct. 24, 1951, D. C., E. D. Mich. (Detroit), Doc. 11025, *Telescope Carts, Inc.* v. *United Steel & Wire Co.*

2,505,560, Mayberry & Mayberry, Plant thinner, D. C., S. E. Div. Mo. (Cape Girardeau), Doc. 1411, *The Mayco Co.* v. *Kennett Cotton Chopper Mfg. Co.* Patent held infringed, judgment Oct. 5, 1951.

2,552,388, C. H. Allen, Jr., Method of killing weeds, filed Oct. 26, 1951, D. C. N. J. (Trenton), Doc. 1028/51, *O. M. Scott & Sons Co.* v. *American Research Associates, Inc., et al.*

2,564,264, 2,564,265, F. W. Knott, Window, filed Oct. 31, 1951, D. C., E. D. N. Y., Dec. 12235, *Wisco, Inc.* v. *Paramount Aluminum Products Corp. et al.*

2,564,265. (See 2,564,264.)

Des. 139,568, 2,462,399, W. H. Hinchman, Conduit spacer, filed Oct. 29, 1951, D. C., E. D. Mich. (Detroit), Doc. 11036, *Underground Products Co.* v. *Jim Robbins Co.*

Des. 151,732, W. G. Bley, Lady's stocking, D. C., E. D. Pa. (Philadelphia), Doc. 11172, *Sanson Hosiery Mills, Inc., et al.* v. *Spiller Hosiery Co.* Consent judgment favor plaintiff and granting injunction Oct. 23, 1951. Doc. 12079, *Sanson Hosiery Mills, Inc., et al.* v. *Milltex Hosiery Co. et al.* Decree as above Oct. 25, 1951. Same, filed Oct. 26, 1951, D. C., M. D. N. C. (Greensboro), Doc. 408–WS. *Sanson Hosiery Mills, Inc., et al.* v. *S. H. Kress & Co., Inc., et al.* Doc. 409–WS, *Sanson Hosiery Mills, Inc., et al.* v. *Raylass Dept. Stores, Inc.*

Des. 153,538, J. L. Moore, Hat, D. C., W. D. Okla. (Oklahoma City), Doc. 4453, *Moore Hat Co.* v. *C. R. Anthony Co.* Order overruling plaintiff's motion to dismiss without prejudice Oct. 2, 1951.

Des. 157,621, R. M. Palmer, Chocolate rabbit; Des. 161,521, same, Chocolate duck; Des. 161,522, same, Chocolate lamb; Des. 161,865, same, Chocolate squirrel, filed Oct. 18, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12846, *R. M. Palmer & Co.* v. *Luden's, Inc.*

Des. 160,500, L. Jolson, Sewing machine, suit for declaratory judgment filed Oct. 11, 1951, D. C., S. D. N. Y., Doc. 70/147, *Standard Sewing Equipment Corp.* v. *Necchi Sewing Machine Sale Corp.*

Des. 161,521. (See Des. 157,621.)

Des. 161,522. (See Des. 157,621.)

Des. 161,865. (See Des. 157,621.)

Des. 164,673 (*a*), W. De Mond, Lady's stocking, filed Oct. 26, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12886. *Sanson Hosiery Mills, Inc.* v. *Valley Green Hosiery Co., Inc.* Doc. 12887, *Sanson Hosiery Mills, Inc.* v. *Weinberg's, Inc.*

Des. 164,673 (*b*), Des. 164,674, W. De Mond, Lady's stocking, filed Oct. 31, 1951, D. C. N. J. (Newark), Doc. 1046/51, *Sanson Hosiery Mills, Inc.* v. *Warren Knitting Mills, Inc.*

Des. 164,674. (See Des. 164,673 (*b*).)

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TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 140,790, Denney & Denney, Perspiration-deodorizing creams, D. C. N. J. (Newark), Doc. 454/50, *Frances Denney* v. *The Mennen Co.* Stipulation of dismissal Oct. 15, 1951.

T. M. 258,643, T. M. 284,713, Societe Anonyme Jean Patou, Perfumes, etc.; D. C., S. D. N. Y., Doc. 70/248, *Jean Patou, Inc.* v. *D'Orsay Sales Co.* Plaintiff's notice of dismissal (notice Oct. 31, 1951).

T. M. 280,380, Sasieni, Ltd., Smoker's pipes, filed Oct. 30, 1951, D. C., S. D. N. Y., Doc. 70/316, *John Hudson Moore, Inc., et al.* v. *D. A. Schulte, Inc.*

T. M. 284,713. (See T. M. 258,643.)

T. M. 391,846, Super Market Publishing Co., Inc., Printed publication, filed Oct. 25, 1951, D. C., S. D. N. Y., Doc. 70/276, *Super Market Publishing Co., Inc.* v. *Cook Publications.*

T. M. 536,985, Klik Promotions, Inc., Device for carrying gloves, filed Oct. 27, 1951, D. C., S. D. N. Y., Doc. 70/300, *Klik Promotions, Inc.* v. *Ashley Fifth Avenue, Inc.*

NOTICES

Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Applications for extension of the following patents have been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

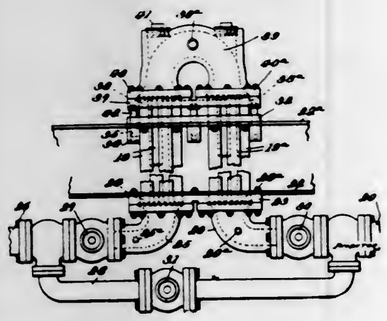
Any person who believes that he would be injured by the extension of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

George Leonidas Kottes, 2,116,028, May 3, 1938
George Leonidas Kottes, 2,296,999, September 29, 1942

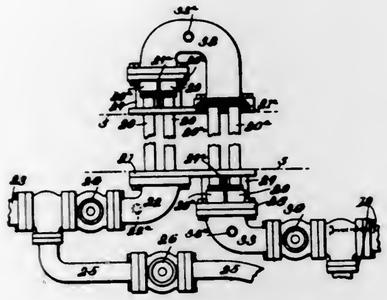
JOHN A. MARZALL,
Commissioner.

2,296,999
FEED WATER ECONOMIZER
George Leonidas Kottes, New Orleans, La. Granted Sept. 29, 1942
2 Claims. (Cl. 257—255)



2. A feed water economizer comprising spaced stationary and movable header members, a plurality of tubes extending through said header members in fixed sealing relationship therewith and providing for the passage of water between inlet and outlet conduits, a plate located between said header members and fixed with respect to said stationary header and having openings through which the tubes extend in slidable and substantially sealed relationship, said plate having a plurality of bushings extending therefrom towards said stationary header, and projecting pins carried by said movable header member and extending into said bushings for providing a substantially sealed telescoping supporting connection between the movable header member and said plate whereby to permit relative movement between the said movable header member and said plate in order to provide for expansion and contraction of the tubes.

2,116,028
FEED WATER ECONOMIZER
George Leonidas Kottes, New Orleans, La. Granted May 3, 1938
5 Claims. (Cl. 257—255)



2. A feed water economizer for boilers, comprising two header members each including an inlet and an outlet structure, the inlet and outlet structures of each member being rigidly spaced from the inlet and outlet structures of the other member and including a plate having a flange fixed in spaced relation thereto and integral bosses on said flanges, a water supply connection to the inlet structure of one member, a water discharge connection to the outlet structure of the same member, a return bend connection joining the inlet and outlet structures of the other member, and tubes passing through apertures in said plates and said flanges and through said bosses for joining the inlet structure of each member with the outlet structure of the other member, and the inlet and outlet structures providing packing means associated with said bosses for providing a liquid-tight joint around the tubes.

Adjudicated Patents

(C. A. Calif.) Armstrong, Berkeley, and Piccardo Patent No. 2,344,958, for pumping system. Claims 1, 2, and 4 to 9 *Held* invalid. *Jacuzzi Bros.* v. *Berkeley Pump Co.*, 191 F.2d 632; 91 USPQ 25.

(C. A. Calif.) Piccardo and Armstrong Patent No. 2,424,285, for pump and pump system. Claims 3, 9 to 14, 17, and 18 *Held* invalid. *Id.*

(D. C. R. I.) Turini Patent No. 2,481,179, for method of making buckles, *Held* invalid. *Turini* v. *Allens Mfg. Co.*, 100 F. Supp. 61; 90 USPQ 313.

(D. C. R. I.) Turini Patent No. 2,481,180, for buckle assembling machine, *Held* invalid. *Id.*

(D. C. R. I.) Turini Patent No. 2,488,352, for buckle assembling device, *Held* invalid. *Id.*

Disclaimers

2,458,532.—*Kurt Schlesinger*, New York, N. Y. CATHODE-RAY TUBE CIRCUIT. Patent dated Jan. 11, 1949. Disclaimer filed Nov. 3, 1951, by the assignee, *Columbia Broadcasting System, Inc.*

Hereby enters this disclaimer to claims 4, 6, 7, 9 and 10 of said patent.

2,490,087.—*William E. Pakala*, Pittsburgh, Pa. VAPOR-ELECTRIC DEVICE. Patent dated Dec. 6, 1949. Disclaimer filed Nov. 7, 1951, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claim 5 of said patent.

Cancellation Notices

The Gifford Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Dominick J. Nicoletti, 15 Sherman St., New Rochelle, N. Y., to effect the cancellation of trade-mark registration of The Gifford Company, 96 Prince St., New York, N. Y., No. 344,035, dated March 9, 1937, and the notice of such proceeding sent by registered mail to the said The Gifford Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Gifford Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE.
Nov. 9, 1951. *Assistant Commissioner of Patents.*

Frank Bertucci, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by William D. Borg, 1047 W. Manchester Ave., Los Angeles 44, Calif., to effect the cancellation of trade-mark registration of Frank Bertucci, 368 Rolling St., Malverne, Long Island, New York, N. Y., No. 371,003, dated September 12, 1939, and the notice of such proceeding sent by registered mail to the said Frank Bertucci at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Frank Bertucci, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE.
Nov. 16, 1951. *Assistant Commissioner of Patents.*

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In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)
Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)
Original application. (Facsimile petition, specification, oath, and drawings at present time.)
Specification as originally filed. (As received in Office.)
Specification as amended. (With amendments entered.)
Specification as allowed. (As passed by the Examiner for issue.)
Original specification. (Facsimile at present time.)
File-wrapper. (File-wrapper only.)
File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)
File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)
Assignment. (Give the liber and page of the record as well as the name of the inventor.)
Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)
Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Amendment Filed by an Attorney Not of Record

When an amendment is filed, signed by an attorney whose power is not of record, he, as well as the applicant, should be notified that the amendment cannot be entered.

When the Examiner's letter is of such a character that the six months for amendment runs from the date of a previous action, a statement to that effect should be made at the end of the letter and the date from which the six months runs given.

Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

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Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the OFFICIAL GAZETTE after final decision in the proceedings.

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A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters. (See Rule 4.)

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Swift & Company has placed the following 27 patents on the Register as available for licensing on reasonable terms, in addition to several hundred previously offered. Inquiries concerning licenses may be directed to Swift & Company, Union Stock Yards, Chicago 9, Ill.

Pat. 2,531,343. Manufacture of Dried Egg Material. Patented Nov. 21, 1950. Provides apparatus for cooling heated powdered egg material and the like whereby cool powdered materials having a low moisture content may be obtained. The apparatus includes an upwardly inclined screw conveyor having an elongated enlarged chamber above the screw element, and a series of alternately arranged air-cooling and dehydrating units disposed exteriorly of the conveyor. Heated powder is fed into the lower end of the conveyor. As the powder is advanced by the conveyor, it is repeatedly subjected to blasts of refrigerated air having a low moisture content in order to intimately mix the powder with the cool air. The spent air flows through a filter and into an exhaust duct. Groups 20—99; 35—62. Reg. No. 45,673.

Pat. 2,531,914. Method and Mechanism for Closing Fiber Containers With a Lined Closure. Patented Nov. 28, 1950. Machine for packaging shortening products in a fibrous container. A reservoir for a molten gelatin solution has a fabric window. The open end of container is rolled against the window, and solution which has oozed through the window forms a tacky bead around the open end. A grease proof liner placed on the open end of container adheres to the tacky bead. The periphery of the liner may be wiped against the sides of container by the application of a skirted cap, or the periphery may be creased against the sides of container prior to application of the cap. Group 35—51—69. Reg. No. 45,674.

Pat. 2,539,889. Method of Manufacturing Soap. Patented Jan. 30, 1951. This invention relates to a continuous process of manufacturing soap. The saponifiable raw material is subjected to a solid adsorbent bleaching agent and hydrocarbon. The bleached material, while dissolved in the hydrocarbon, is subjected to a saponification temperature and pressure in the presence of an alkaline reagent to convert the material into glycerine and soap free of objectionable color. The mixture is discharged into a vaporization zone maintained under reduced pressure where the solvent is separated from the soap. Group 28—41. Reg. No. 45,675.

The following 16 patents relate to processes for the preservation of foods of various kinds wherein antibiotic substances of plant origin, obtained from numerous varieties of plants, are employed as effective food preservatives. A small amount of antibiotic substance is added to foods, such as cream pastry fillings, or to quick-cure pickling solutions to be injected into meats. Tables giving examples of plant extracts together with a range of possible dilutions are given in the patents. Groups 20—11—13—51; 28—89; 35—51.

Pat. 2,550,253. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,676.

Pat. 2,550,255. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,677.

Pat. 2,550,256. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,678.

Pat. 2,550,257. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,679.

Pat. 2,550,258. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,680.

Pat. 2,550,259. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,681.

Pat. 2,550,260. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,682.

Pat. 2,550,261. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,683.

Pat. 2,550,262. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,684.

Pat. 2,550,263. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,685.

Pat. 2,550,264. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,686.

Pat. 2,550,265. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,687.

Pat. 2,550,266. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,688.

Pat. 2,550,267. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,689.

Pat. 2,550,268. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,690.

Pat. 2,550,269. Preservation of Food Products. Patented Apr. 24, 1951. Reg. No. 45,691.

Pat. 2,550,254. Process for Extraction of Antibiotic Material. Patented Apr. 24, 1951. Provides a process of preparing a potent antibiotic substance, useful as an effective food preservative. Comminuted avocado fruit pit is treated with acetone at about room temperature to form a non-aqueous solution of the antibiotic substance. The solution is separated from the residue and reduced to dryness by distilling at reduced pressure to obtain a powerful antibiotic substance. Groups 20—11—92; 28—21—95. Reg. No. 45,692.

The following three patents relate to the treatment of fatty materials to separate desired constituents. Hydrogenated vegetable triglyceride fat is treated with glycerine and converted into a mixture containing monoglycerides. The mixture is contacted with chloroform and ethyl alcohol, and the unconverted fat is precipitated from the solution. The solution is cooled to crystallize the monoglycerides which are separated therefrom. See Patent 2,553,288 for examples. Groups 20—11—92; 28—21—95.

Pat. 2,548,434. Selective Extraction and Fractionation of Fatty Materials. Patented Apr. 10, 1951. Reg. No. 45,693.

Pat. 2,552,797. Solvent Fractionation of Fatty Materials. Patented May 15, 1951. Reg. No. 45,694.

Pat. 2,553,288. Solvent Treatment. Patented May 15, 1951. Reg. No. 45,695.

Pat. 2,550,213. Hygroscopic Materials. Patented Apr. 24, 1951. Plastic composition (consisting of animal glues and gelatins and amylaceous vegetable adhesive bases) which will retain its original flexibility and adhesive qualities when dry is useful in book binding and in the manufacture of printer rollers. The product has re-moistening and rapid re-setting properties and may be held for long storage periods. The composition has as a plasticizer and humectant a water-soluble diamide of a secondary alkylolamine and a water-soluble dicarboxylic acid. Groups 26—33—39; 27—51; 28—83—94—99; 35—55. Reg. No. 45,696.

Pat. 2,551,288. Banding Machine and Method. Patented May 1, 1951. A banding machine for frankfurters and the like. A conveyor feeds the sausages into position to lie between two strips of banding material. A sealing device cooperates with the movement of the conveyor to join the strips as the frankfurters are fed into position. Groups 20—13; 35—69. Reg. No. 45,697.

Pat. 2,552,127. Paper Carton Machine. Patented May 8, 1951. Machine for applying skirted paper caps over each end of a cylindrical container. The containers are driven through a capping machine by a conveyor and engage the skirt of a cap in such a manner that the motion of the body draws the cap out of a holding chute and positions it over end of container. The container is rotated as the cap is being withdrawn from the chute so the cap is worked into position by a screwing action. The cap and container are delivered through a heating and shrinking chamber where the skirt is acted upon to lie smoothly and permanently against the container. The machine can handle small cartons about 3" x 5", or is readily adaptable to handle any size container and cap. Groups 26—64; 35—54—62—69. Reg. No. 45,698.

Pat. 2,557,330. Casing Stripping Machine Safety Device. Patented June 19, 1951. A safety shield for the opposed motor-driven rolls of a casing stripping machine has a cutout portion to clear an endless belt conveyor between the rolls. The shield protects the operator (stationed in front of the rolls) who manually places the casings upon the conveyor. A switch connected to the motor stops the rolls in response to a pivotal movement of the shield in reverse direction. Group 35—66—69. Reg. No. 45,699.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 29 patents are classified in Groups 28—83—89; 35—66—84; 36—11—13—19—21—61—62; 37—12. Reg. Nos. 45,700 through 45,728.

Pat. 2,306,784. Electric Control Circuit. Dec. 29, 1942.

Pat. 2,436,636. Instrument Current Transformer. Feb. 24, 1948.

Pat. 2,494,352. Electronic Interval Timer. Jan. 10, 1950.

Pat. 2,518,118. Electronic Control Circuits. Aug. 8, 1950.

Pat. 2,497,677. Refrigerating System Including Flow Control Devices. Feb. 14, 1950.

Pat. 2,547,657. Thermostatic Selective Heating, Cooling, and Circulating Interlocking Control System. Apr. 3, 1951.

Pat. 2,550,457. Multicylinder Refrigerant Compressing Apparatus. Apr. 24, 1951.

Pat. 2,507,199. Condensation Products of Furfural and Monohydroxy Benzenes. May 9, 1950.

Pat. 2,522,241. Circuit Breaker. Sept. 12, 1950.

Pat. 2,502,136. Method of Measuring Thorium in Thoriated Tungsten. Mar. 28, 1950.

Pat. 2,504,674. Luminescent Material. Apr. 18, 1950.

Pat. 2,505,565. Control Circuit. Apr. 25, 1950.

Pat. 2,512,636. Semi-Circular Type Support and Drive for Receiver Parabola Stabilization. June 27, 1950.

Pat. 2,515,768. Brush Holder and Brush. July 18, 1950.

Pat. 2,546,035. High Voltage Supply. Mar. 20, 1951.

Pat. 2,544,345. Misfire Indication Circuits for Rectifiers. Mar. 6, 1951.

Pat. 2,548,612. System of Backup Protection and Carrier-Current Blocking for an Electrical Power System. Apr. 10, 1951.

Pat. 2,549,532. Thermal and Manual Snap Action Circuit Breaker. Apr. 17, 1951.

Pat. 2,549,405. Locomotive Power System. Apr. 17, 1951.

Pat. 2,549,443. Ultra High Frequency Coupling and Measuring Device. Apr. 17, 1951.

Pat. 2,549,444. Switching Transient Noise Suppression System for Combination Radio and Television Receivers. Apr. 17, 1951.

Pat. 2,549,499. Tunable Cavity Resonator. Apr. 17, 1951.

Pat. 2,550,443. Dynamoelectric Machine. Apr. 24, 1951.

Pat. 2,550,444. Circuit Interrupter. Apr. 24, 1951.

Pat. 2,550,477. Stabilized Arc Suppressing System for Electronic Devices. Apr. 24, 1951.

Pat. 2,550,496. Nonoscillating Protective Control System. Apr. 24, 1951.

Pat. 2,550,506. Automatic Selective Switching Equipment. Apr. 24, 1951.

Pat. 2,550,510. Frequency Modulation Detector Circuit. Apr. 24, 1951.

Pat. 2,550,513. Side-by-Side Coffee Maker. Apr. 24, 1951.

The following 36 patents are classified in Groups 28—83—88—89; 33—12—41—99; 34—29—31—39—41—42; 35—11—61—66—81—84; 36—13—19—21—31—51—53—61—62; 37—11—12—22; 39—11—81. Reg. Nos. 45,729 through 45,764.

Pat. 2,523,799. Soap Supplying Systems for Automatic Clothes-Washing Machines. Sept. 26, 1950.

Pat. 2,526,445. Automatic Washing Machine Control. Oct. 17, 1950.

Pat. 2,546,783. Speed Control System for Direct Current Motors. Mar. 27, 1951.

Pat. 2,547,679. 3,3'-Bis-(Trifluoromethyl) Diphenyl Ether. Apr. 3, 1951.

Pat. 2,549,468. Magnetic Sound Recording Medium. Apr. 17, 1951.

Pat. 2,549,469. Magnetic Sound Recording Medium. Apr. 17, 1951.

Pat. 2,550,474. Stress-Aging Process. Apr. 24, 1951.

Pat. 2,550,502. Apparatus for Purifying Metals. Apr. 24, 1951.

Pat. 2,500,752. High-Frequency Dielectric Heating in a Resonant Chamber. Mar. 14, 1950.

Pat. 2,550,453. Method of Producing Insulated Coils. Apr. 24, 1951.

Pat. 2,555,019. Aircraft Stabilizing Apparatus. May 29, 1951.

Pat. 2,551,233. Method of Treating a Resinous Coating To Wrinkle It and Articles Resulting Therefrom. May 1, 1951.

Pat. 2,551,232. Method of Treating Resinous Coatings and Articles Resulting Therefrom. May 1, 1951.

Pat. 2,551,280. Pulse Delay Circuit. May 1, 1951.

Pat. 2,551,289. Pneumatic Vibrating Machine. May 1, 1951.

Pat. 2,551,300. Decanter Handle Construction. May 1, 1951.

Pat. 2,552,132. Torque Applying Means for Rotating Gimbal Type Gyroscopes. May 8, 1951.

Pat. 2,552,189. Paper Weight Indicating Equipment. May 8, 1951.

Pat. 2,552,231. Liquid Fuel Supply Systems for Thermal Power Plants. May 8, 1951.

Pat. 2,553,314. Method of Rendering Materials Water Repellent. May 15, 1951.

Pat. 2,553,325. Acceleration of Polymerization of Polymerizable Materials. May 15, 1951.

Pat. 2,553,290. Magnetic Recording and Reproducing System. May 15, 1951.

Pat. 2,553,323. Voltage Rectifier Circuit. May 15, 1951.

Pat. 2,553,344. Side-by-Side Coffee Maker. May 15, 1951.

Pat. 2,554,228. Gas Turbine Power Plant. May 22, 1951.

Pat. 2,550,505. Railway Vehicle Center Bearing. Apr. 24, 1951.

Pat. 2,551,230. Flexible Drive. May 1, 1951.

Pat. 2,554,171. Automatic Gauging Device. May 22, 1951.

Pat. 2,554,183. Unitary Control for Washing Machine Agitators and Pumps. May 22, 1951.

Pat. 2,554,194. Synthesis of Molybdenum and Tungsten Carbonyls. May 22, 1951.

Pat. 2,554,206. Automatic Hardness Tester. May 22, 1951.

Pat. 2,554,218. Temperature Control System. May 22, 1951.

Pat. 2,554,221. Magnetically Actuated Roller Clutch. May 22, 1951.

Pat. 2,554,225. Calibration of Photovoltaic Cells. May 22, 1951.

Pat. 2,554,984. Transfer Car Operating Mechanism. May 29, 1951.

Pat. 2,555,017. Electrode Holder for Gas Blanketed Electric Arc Weldings. May 29, 1951.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 11, 1951

[VOL. 653. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 504,851. Machine-Craft Manufacturing Co., Los Angeles, Calif. Filed June 29, 1946.

Machine-Craft

The word "Machine" is disclaimed.
For Portable Power Driven Saws.
Claims use since Feb. 19, 1946.

Ser. No. 525,071. Dunham, Carrigan & Hayden Co., San Francisco, Calif. Filed June 28, 1947.

SUNSET

For Extension Hack Saw Frames, Lathing Hatchets, Claw Hatchets, Butcher Saws, Kitchen Saws, Hand Operated Hammers, Garden Shovels, and Spades.
Claims use since Jan. 1, 1885.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 396,914. Green Textile Associates, Incorporated, Boston, Mass. Filed May 5, 1950.

COLORTEX

For Cotton Waste for Use as a Cleaning or Wiping Material, and Also for Use as Filling or Batting for Furniture Upholstery, Mattresses, Bedding, and Automobile Seats.
Claims use since July 1949.

CLASS 2

RECEPTACLES

Ser. No. 553,868. Percy Kent Bag Company, North Kansas City, Mo. Filed Apr. 5, 1948.

PK

For Fabric and Paper Bags, Sold as Such.
Claims use since 1933.

Ser. No. 565,018. Southern California Plastic Company, Glendale, Calif. Filed Sept. 11, 1948.

SCP

The mark comprises the letters SCP enclosed in four circular lines.
For Plastic Dishes for Refrigerator Storage; Plastic Table Dishes; Plastic Boxes for Packaging Food Products; Plastic Boxes for Use in Freezing and Storing Foods in Deep-Freeze Units; and Boxes Made of Plastic for Professional and Industrial Uses.
Claims use since Sept. 1, 1947.

Ser. No. 568,889. Moraine Box Company, Dayton, Ohio. Filed Nov. 26, 1947.

Mac Pac

The word "Pac" is disclaimed.
For Shipping Boxes Sold Empty and Made of Cardboard.
Claims use since Sept. 27, 1946.

Ser. No. 572,347. Knapp-Monarch Company, doing business as Kwikway Co., St. Louis, Mo. Filed Jan. 15, 1949. (Sec. 2f.)

KWIK POUR JUG

The word "Jug" is disclaimed.
For Insulated Jugs.
Claims use since September 1936.

Ser. No. 576,724. Tension Envelope Corporation, Kansas City, Mo. Filed Apr. 6, 1949.

BOXVELOPES

For Merchandising Envelopes.
Claims use since December 1948.

Ser. No. 588,239. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Cans, Drums, Pails, Containers in the Nature of Pressure Bottles or Cylinders for Compressed Fluids, Fruit Picking Tubs, Meat Tubs, Tubs for Holding and Carrying Feed, Ice Tubs, Handle Tubs for General Use, Wire Baskets, Insulated Cans and Insulated Boxes, All Made of Steel.
Claims use since 1937.

Ser. No. 588,841. Jayhawk Manufacturing Co., Inc., New York, N. Y. Filed Dec. 2, 1949.

PERMA-QUILT

The word "Quilt" is disclaimed. Applicant claims ownership of Registration No. 396,578.
For Closet and Wardrobe Storage Accessories—Namely, Garment Bags, Utility Trays and Boxes for Use in Storing Diverse Articles as Linen, Clothing, and Dress Accessories.
Claims use since August 1943.

Ser. No. 604,266. Sal-San Corp., Decatur, Ill. Filed Sept. 30, 1950.

Salsan

For Plastic Liners for Lunch Boxes.
Claims use since Mar. 7, 1950.

Ser. No. 610,955. Crown Can Company, Philadelphia, Pa. Filed Mar. 7, 1951.

SPRATAINER

For Cans for Discharging Contents Under Pressure.
Claims use since Feb. 21, 1951.

Ser. No. 613,532. Stocker Manufacturing Company, Netcong, N. J. Filed May 4, 1951.

COTCO

For Paper Bags.
Claims use since Feb. 20, 1951.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 561,636. Fritz W. Nuernberg, doing business as The Hilo Company, Norwalk, Conn. Filed July 17, 1948. (Classified in Class 18.)

Hilo

Applicant claims ownership of Registration No. 376,268.
For Insecticides and Remedies for Treatment of Skin Disorders for Dogs and Other Animals Other Than Man; Dip for the Destruction of Fleas, Lice, Ticks and Other External Parasites, and for the Treatment of Skin Troubles Caused by Parasites on Dogs and Other Animals Other Than Man; Ointment for Relief of Itching and Scratching Caused by Fleas, Lice or Ticks and Other Parasites; and Powder for Destruction of Fleas, Lice and Other External Parasites on Cats and Dogs.
Claims use since September 1938.

Ser. No. 595,253. Stanley Floreskul, doing business as The SF Laboratories, Boston, Mass. Filed Apr. 5, 1950. (Classified in Class 51.)

Stane

For Face Creams, Skin Creams, Cleansing Creams, Night Creams, Foundation Creams, Cold Creams, Vanishing Creams, Lubricating Creams, Chap Creams, Deodorants, Creme Deodorants, Liquid Deodorants, Oils and Creams for the Dressing of Hair, Hair Tonics, Brilliantines, Bath Dusting Powders, Bath Crystals, Bath Oils, Cosmetic Rubbing Oils, Suntain Oils, Suntan Cremes, Suntan Lotions, Skin Lotions, Toilet Waters, Colognes, Perfumes, Face Powders, Talc Powders, Lipsticks, Rouges, Creme Rouges, Lip Pomades, Eye Shadows Eyebrow Pencils, Mascaras, Leg Make-Ups, Lemon Rinses, Preparations for the Waving of Hair, Hair-Waving Liquids, Hair-Waving Neutralizers, Fingernail Polishes, Cuticle Removing Composition, Cuticle Softeners, Hand Lotions, and Shaving Creams.
Claims use since Oct. 1, 1948.

Ser. No. 608,967. Walter E. Willett, Cortland, N. Y. Filed Jan. 18, 1951.

WO-X-OM

For Water Repellent for Stone, Masonry, Fabrics, and Compositions for Hardening Masonry or Other Products.
Claims use since Aug. 14, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 612,137. Rogers Imports Inc., New York, N. Y. Filed Apr. 2, 1951.

Kapruf

For Smoking Pipes and Cigar and Cigarette Holders.
Claims use since Jan. 1, 1938.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 608,361. Laclede-Christy Company, Chicago, Ill. Filed Jan. 4, 1951.



The word "Cast" is disclaimed.
For Tank Blocks for Glass Melting Furnaces.
Claims use since Dec. 8, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 509,180. Superior Valve and Fittings Company, Pittsburgh, Pa. Original filed, act of 1905, Sept. 16, 1946; amended to application under act of 1946, Principal Register, Aug. 30, 1951.

UNI-HOLE

The word "Hole" is disclaimed.
For Flanged Compressor Valve.
Claims use since Dec. 27, 1944.

Ser. No. 543,736. The Peal Manufacturing Co., Cincinnati, Ohio. Filed Dec. 8, 1947.

PECO

For Kitchen Utensils—Namely, Skillets, Chicken Fryers, Muffin Pans, Utility Pans, Pie Pans, Casseroles, Egg Poachers, Bowls, Roasters, Loaf and Bread Pans, All Types Trays, Pot Covers and Lids, Bun Warmers, Sauce Pots, Cookie Sheets, All Type Cake Pans, Tea Kettles, Dutch Ovens, Pudding Pans, Cake Covers, Saucepans, Biscuit Pans, Jelly Roll Pans, Food Warming Covers.
Claims use since February 1939.

Ser. No. 555,896. The Baldwin Locomotive Works, Eddystone and Philadelphia, Pa., now by change of name Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania. Filed Dec. 15, 1947.

LARNER-JOHNSON

Applicant claims ownership of Registration No. 178,437.
For Valves for Controlling the Flow of Hydraulic Fluid Through, and for Regulating Free Discharge of Hydraulic Fluid From Pipes and Mains.
Claims use since 1921.

Ser. No. 564,817. Independent Lock Company, Fitchburg, Mass. Filed Sept. 8, 1948.



The drawing is lined for shading. The representation of a key is disclaimed. Applicant claims ownership of Registrations Nos. 159,382, 501,244, and 539,882.
For Door Closers and Parts Thereof, Door and Window Finishing Hardware—Namely, Escutcheons, Door Pulls, Door Knobs, Door Knockers, Drawer Pulls, Cupboard Catches, Cupboard Turns, Transom Catches, Casement Adjusters, Door Stops.
Claims use since 1939.

Ser. No. 565,987. Huebel Bros., Inc., San Francisco, Calif. Filed Feb. 10, 1948. (Sec. 2f.)

Safepin

For Thumb Tacks, Upholstery Nails, Furniture Nails, Ornamental Tacks and Nails, and Furniture Glides.
Claims use since July 26, 1939.

Ser. No. 566,327. Delta-Star Electric Company, Chicago, Ill. Filed Oct. 2, 1948. (Sec. 2f.)

UNIT TYPE

For Clamping Structures and Elements, Including Fastening Elements Such as Nuts and Bolts, for Providing Various Forms of Pipe Fittings.
Claims use since 1925.

Ser. No. 569,362. Eastern States Farmers' Exchange, West Springfield, Mass. Filed Nov. 24, 1948.



Applicant claims ownership of Registrations Nos. 184,503, 185,714, and others.
For Spiral Nails.
Claims use since May 1940.

Ser. No. 576,708. The McKay Company, Pittsburgh, Pa. Filed Apr. 6, 1949. (Sec. 2f as to "McKay.")



The bands above and below the name "McKay" are lined to show the color red, said colored bands being a distinctive feature of the mark. The representation of the package of the goods is disclaimed. Applicant claims ownership of Registration No. 441,677.
For Chains of Base Metal, Cross Chains, and Tire Chains.
Claims use since Aug. 25, 1921.

Ser. No. 581,401. T. R. Brawley Felt Co. Inc., Brooklyn, N. Y. Filed July 1, 1949. (Sec. 2f.)

Brawley

For Cushioned Glides Used on Furniture, Electrical Appliances, and the Like To Prevent the Marring of Polished Surfaces.
Claims use since Nov. 9, 1926.

Ser. No. 593,319. Keystone Steel and Wire Company, Peoria, Ill. Filed Dec. 31, 1949.

"RED BRAND"

The word "Brand" is disclaimed. Applicant claims ownership of Registrations Nos. 141,481, 184,947, 227,696, 238,257, and 250,159.
For Wire Fence.
Claims use since January 1931.

Ser. No. 597,785. Rockford Screw Products Co., Rockford, Ill. Filed May 19, 1950. (Sec 2f.)

ROCKFORD

For Machine and Wood Screws and Machine Screw Nuts.
Claims use since January 1929; and since 1944 in the particular type style shown.

Ser. No. 606,062. Tarrant Manufacturing Company, Saratoga Springs, N. Y. Filed Nov. 7, 1950.

TARCO

Applicant claims ownership of Registration No. 540,724.
For Metal Pouring Kettles and Metal Pouring Pots for Melting and Pouring Tar, Asphalt and Road Surfacing Material and Sprayer Nozzles for Spraying Apparatus.
Claims use since 1911.

Ser. No. 606,882. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"PAT"

For Hose Nozzle.
Claims use since 1932.

Ser. No. 606,883. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"RAINBOY"

For Hose Nozzle.
Claims use since 1922.

Ser. No. 606,884. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"DIXIE"

For Hose Nozzle.
Claims use since 1931.

Ser. No. 606,885. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"POPPY"

For Lawn Sprinkler.
Claims use since 1931.

Ser. No. 606,886. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"CRICKET"

For Lawn Sprinkler.
Claims use since 1928.

Ser. No. 606,887. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"FLARING ROSE"

For Lawn Sprinkler.
Claims use since 1925.

Ser. No. 606,888. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"WHIRLING SQUARE"

The word "Whirling" is disclaimed.
For Lawn Sprinkler.
Claims use since 1934.

Ser. No. 606,889. L. R. Nelson Mfg. Co., Inc., Peoria, Ill. Filed Nov. 24, 1950.

"CLIPPER"

For Lawn Sprinkler.
Claims use since 1927.

Ser. No. 609,536. Consolidated Brass Company, Detroit, Mich. Filed Feb. 2, 1951.

CONBRACO

For Safety Valves for Boilers.
Claims use since Nov. 29, 1950.

Ser. No. 610,381. Sloan Valve Company, Chicago, Ill. Filed Feb. 21, 1951. (Sec. 2f.)

LO-FLO

Applicant claims ownership of Registration No. 405,644.
For Water Closet Combinations—Namely, Flush Valves, Housings, Seats, and Bowls.
Claims use since July 17, 1940.

Ser. No. 611,750. Aug. Stenman Aktiebolag, Eskilstuna, Sweden. Filed Mar. 26, 1951.



The representation of one or more fittings (brackets) is disclaimed.
For Door Handles, Cabinet Catches and Fittings, Hinges and Butts, Door and Window Fittings, Shelf Brackets, Bolts, Hasps and Staples, Wood Screws and Machine Screws, Hooks and Eyes, Corrugated Fasteners, All Made From Metal, Thumb Tacks.
Claims use since June 1902 in Sweden; and since November 1913 in commerce between the United States and Sweden.

Ser. No. 612,120. Cameron Iron Works, Inc., Houston, Tex. Filed Apr. 2, 1951. (Sec. 2f.)

CAMERON

Applicant claims ownership of Registration No. 525,597.
For Valves—Namely, Relief Valves, Gate Valves, and Plug Valves.
Claims use since November 1933.

Ser. No. 612,132. Miller Brothers Co., Los Angeles, Calif. Filed Apr. 2, 1951.

Milbro

For Toilet Seats.
Claims use since May 4, 1949.

Ser. No. 612,249. Fiat Metal Manufacturing Company, Franklin Park, Ill. Filed Apr. 5, 1951.

Cadet

For Shower Cabinets.
Claims use since Mar. 9, 1951.

Ser. No. 612,357. David E. Sanford, doing business under the fictitious name and style of D. E. Sanford Company, Los Angeles, Calif. Filed Apr. 6, 1951.



For Porcelain Enameled Cast Iron Utensils—Namely, Skillets, Casseroles, Dutch Ovens, Sauce Pans, French Fryers, and Baking Dishes.
Claims use since Feb. 15, 1951.

Ser. No. 612,640. West Bend Aluminum Co., West Bend, Wis. Filed Apr. 13, 1951.



The word "Brite" is disclaimed.
For Metal Cooking Utensils of the Waterless Cooking Type—Namely, Covered Sauce Pans and Vegetable Pans, Roasters, Dutch Ovens, Skillets, Casseroles, Steamers, Combination Cookers, Double Boilers, Baking and Pudding Pans.
Claims use since Feb. 1, 1951.

CLASS 17
TOBACCO PRODUCTS

Ser. No. 591,033. H & M Cigar Factory, Inc., Jacksonville, Fla. Filed Jan. 18, 1950.

H&M
BANKER'S
CHOICE

The word "Choice" is disclaimed. Applicant claims ownership of Registration No. 133,280.
For Cigars.
Claims use since 1913.

CLASS 18
MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 561,636. Fritz W. Nuernberg, doing business as The Hilo Company, Norwalk, Conn. Filed July 17, 1948.

Hilo

Applicant claims ownership of Registration No. 376,268.
For Insecticides and Remedies for Treatment of Skin Disorders for Dogs and Other Animals Other Than Man; Dip for the Destruction of Fleas, Lice, Ticks, and Other External Parasites, and for the Treatment of Skin Troubles Caused by Parasites on Dogs and Other Animals Other Than Man; Ointment for Relief of Itching and Scratching Caused by Fleas, Lice, or Ticks and Other Parasites; and Powder for Destruction of Fleas, Lice, and Other External Parasites on Cats and Dogs.
Claims use since September 1938.

Ser. No. 594,208. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 18, 1950.

JASMANTHIA

Applicant claims ownership of Registration No. 371,098.
For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.
Claims use since Sept. 6, 1938.

Ser. No. 609,201. Schenley Laboratories, Inc., New York, N. Y. Filed Jan. 24, 1951.

PVP

For Blood Plasma Substitute.
Claims use since Dec. 27, 1950.

CLASS 19
VEHICLES

Ser. No. 566,423. Peters & Russell, Inc., Springfield, Ohio. Filed Sept. 4, 1948.

Supar

Applicant claims ownership of Registrations Nos. 352,327 and 527,202.
For Air Deflectors for Use on Automobiles.
Claims use since Mar. 1, 1948.

Ser. No. 589,285. United States Spring & Bumper Company, Los Angeles, Calif. Filed Dec. 13, 1949.



The words "American" and "Springs" and the design of a spring are disclaimed.
For Automobile Springs.
Claims use since March 1949.

Ser. No. 594,089. American Truck & Body Company, Inc., Martinsville, Va. Filed Mar. 17, 1950.

"PACK-HAULER"

The word "Hauler" is disclaimed.
For Special-Bodied Automotive Trucks and Special Bodies Therefor.
Claims use since July 6, 1948.

Ser. No. 609,349. Phyllis E. Watkins, doing business under the name and style of Victor E. Watkins Company, Holland, Mich. Filed Jan. 27, 1951.

GRAY BOY

The word "Gray" is disclaimed.
For Motor Boats and Structural Parts Thereof.
Claims use since June 1, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 587,197. The Lincoln Electric Company, Cleveland, Ohio. Filed Nov. 2, 1949. (Sec. 2f.)



The pictorial illustration associated with the name "Lincoln" is disclaimed. Applicant claims ownership of Registrations Nos. 240,429 and 509,777.
For Electrical Apparatus—Namely, Welding Machines, Welding Heads, Arc Torches, Electric Motors, Generators, Converters, Transformers, and Control Devices for Electric Arc Welding, and Parts Thereof.
Claims use since Aug. 11, 1949, on the mark as shown; and since 1894 on the name "Lincoln."

Ser. No. 613,462. The Kerite Company, Seymour, Conn., and New York, N. Y. Filed May 3, 1951. (Sec. 2f.)

MUMMY FINISH

For Insulated Wire and Cables.
Claims use since 1935.

Ser. No. 615,680. Black Panther Tool Company, Philadelphia, Pa. Filed June 26, 1951.

Black Panther

For Electric Machines for Polishing and Scrubbing Floors.
Claims use since Jan. 31, 1951.

Ser. No. 615,693. Eaton Manufacturing Company, Cleveland, Ohio. Filed June 26, 1951.

MAGNAFAN

For Electromagnetic Fan Drives.
Claims use since May 14, 1951.

Ser. No. 615,866. United States Rubber Company, New York, N. Y. Filed June 28, 1951.

Rurex

For Insulated Wire and Cable.
Claims use since Oct. 26, 1949.

Ser. No. 615,902. Rek-O-Kut Company, Long Island City, N. Y. Filed June 29, 1951.

Recitalist

For Electrically Operated Phonograph Record Players.
Claims use since Feb. 25, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 591,798. Phillips Publishers, Inc., Newton, Mass. Filed Feb. 1, 1950.

In Action

The word "Action" is disclaimed.
For Paper Toys in the Nature of a Plurality of Bound Sheets and Folded Sheets Which When Opened Present a Three-Dimensional Picture Effect.
Claims use since Nov. 23, 1949.

Ser. No. 602,606. Emkay Novelty Corp., Chicago, Ill. Filed Aug. 23, 1950.

MR. FOOFOO

The abbreviation "Mr." is disclaimed.
For Tumbling Toy in the Nature of a Clown.
Claims use since July 11, 1950.

Ser. No. 603,325. Jay V. Zimmerman Company, St. Louis, Mo. Filed Sept. 8, 1950.

ZANY

For Children's Toys Such as Dolls, Puppets, Disguise-Kits, and Toy Horns.
Claims use since Aug. 15, 1950.

Ser. No. 616,310. Capitol Records, Inc., Hollywood, Calif. Filed July 11, 1951.

BOZO

Applicant claims ownership of Registration No. 542,317.
For Toy Rubber Balloons; Changeable Block Game; Toy Molding Sets; Stuffed Dolls.
Claims use since June 6, 1950.

Ser. No. 616,577. Wright & McGill Co., Denver, Colo. Filed July 16, 1951.



The drawing is lined for blue.
For Bulk Fish Hooks, Snelled Fish Hooks, Fish Lures, and Artificial Flies.
Claims use since July 18, 1938.

Ser. No. 617,309. Nickel Tackle Company, Jacksonville, Fla. Filed Aug. 3, 1951.



The word "Minnow" is disclaimed.
For Artificial Fishing Lures.
Claims use since Nov. 11, 1949.

Ser. No. 617,492. Doughboy Industries, Inc., New Richmond, Wis. Filed Aug. 9, 1951.



For Inflatable Toys—Namely, Aquatic Toys, Animals, Pools, Water Wings, Beach Balls, Rafts, Caricature of Human Figures, and Playhouses.
Claims use since Dec. 3, 1950.

Ser. No. 618,160. Charles Garcia & Co., Inc., New York, N. Y. Filed Aug. 28, 1951.

Yuba

For Artificial Fish Lure.
Claims use since May 1949.

Ser. No. 618,633. Harry Gusick, Antigo, Wis. Filed Sept. 11, 1951.



The word "Lures" and the representation of a fishing lure are disclaimed.
For Artificial Fishing Lures.
Claims use since Jan. 15, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 508,920. The Rapids-Standard Company, Inc., Grand Rapids, Mich. Original filed, act of 1905, Sept. 12, 1946; amended to application under act of 1946, Principal Register, Aug. 16, 1950. (Sec. 2f as to "Rapid-.")

Rapid-Roller

The word "Roller" is disclaimed. Applicant claims ownership of Registrations Nos. 409,433 and 533,532.
For Sectional, Portable, Gravity Conveyors.
Claims use since June 15, 1938, as to "Rapid-"; and since Aug. 19, 1946, as to the mark shown.

Ser. No. 564,075. The Bowman Products Co., Cleveland, Ohio. Filed June 16, 1948. (Sec. 2f as to "Bowman.")



For the Following Structural and Replacement Parts for Automotive and Aviation Vehicles: Connecting Rod Bearings, Pistons, Carburetors and Parts Thereof, Fuel Pumps, Poppet Valves for Internal Combustion Engines, Fan Blades, Generator Pulleys, Mufflers, and Clutch Springs.
Claims use since June 1940.

Ser. No. 568,780. Downingtown Manufacturing Company, Downingtown, Pa. Filed Nov. 15, 1948.

PROFLOW Vat

The word "Vat" is disclaimed.
For Vats Equipped With Baffles and Used in Conjunction With the Cylinder Molds of Paper Board Machines.
Claims use since Oct. 14, 1948.

Ser. No. 568,874. James Templeton & Company Limited, Glasgow, Scotland. Filed Nov. 16, 1948.

TEMFAST

For Valve-Controlled, Nozzle-Type, Applicator for Applying Liquids Along Areas of Restricted Width on Carpets or Other Surfaces.
Claims use since Sept. 14, 1948, in Great Britain; and since Sept. 14, 1948, in commerce between Great Britain and the United States.

Ser. No. 574,782. Massey-Harris Company Limited, Toronto, Ontario, Canada. Filed Mar. 2, 1949.

Pony

For Tractors.
Claims use since June 18, 1947.

Ser. No. 589,927. Trabon Engineering Corporation, Cleveland, Ohio. Filed Dec. 24, 1949.

Trabon

Applicant claims ownership of Registration No. 383,736.
For Lubricating Systems Consisting of Pumps, Reversing Valves, Couplers, Hose, Feeders and/or Distributors, Dividers, Indicators, Swivels, All Component Parts Thereof, Sold as a Unit.
Claims use since Dec. 31, 1941.

Ser. No. 590,486. John Clark Brown, Belleville, N. J. Filed Jan. 7, 1950.

Konberry

For Household Hand Tools—Namely, Fork and Spoon Tongs, Garnishing Choppers, Ladles, Churn Beaters, Ejector Forks, Food Slicers, Corn-Holding Forks, Jar Wrenches, Serving Tongs, Cherry Pitters, Strawberry Hullers, Pinfeather Pickers, Cocktail Spoons, Cocktail Forks, Cookie and Pastry Crimping Tools, Scraper Knives, Vegetable Peelers, Bottle Cap Removers, and Drain Cleaning Moles.
Claims use since Apr. 21, 1931.

Ser. No. 606,204. Bell & Gossett Company, Morton Grove, Ill. Filed Nov. 10, 1950. (Sec. 2f.)

Hydro-Flo

Applicant claims ownership of Registration No. 425,378.
For Circulating Pumps and Motorized Valves.
Claims use since Aug. 29, 1945.

Ser. No. 608,699. Brookville Locomotive Works, Brookville, Pa. Filed Jan. 12, 1951. (Sec. 2f.)

BROOKVILLE

Applicant claims ownership of Registration No. 279,848.
For Gasoline and Diesel Locomotives.
Claims use since Jan. 1, 1920.

Ser. No. 610,978. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Mar. 7, 1951.

JACKSTOPER

Applicant claims ownership of Registration No. 100,828.
For Air-Feed Hammer Drills With Automatic Steel-Rotating Mechanism.
Claims use since June 1, 1914.

Ser. No. 610,979. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Mar. 7, 1951.

STOPEHAMER

Applicant claims ownership of Registrations Nos. 114,244 and 354,727.
For Air-Feed Hammer-Drills.
Claims use since Oct. 22, 1915.

Ser. No. 613,230. Miniature Precision Bearings, Incorporated, Keene, N. H. Filed Apr. 27, 1951.

MPB

The representation of a ball-bearing is disclaimed.
For Small Anti-Friction Ball-Bearings.
Claims use since Mar. 1, 1948.

Ser. No. 614,222. Spiegel, Inc., Chicago, Ill. Filed May 22, 1951.

Brookhaven

Applicant claims ownership of Registrations Nos. 418,968, 535,049, 532,544, and 538,665.
For Outboard Motors.
Claims use since December 1949.

CLASS 25

LOCKS AND SAFES

Ser. No. 565,875. Houdaille-Hershey Corporation, Detroit, Mich. Filed Sept. 25, 1948.

HDH

For Door Locks, Steering Post Ignition Locks, and Spare Tire Key Locking Bands or Clamps.
Claims use since Aug. 1, 1947.

Ser. No. 617,435. George G. Canter, doing business as Security Seal Company, New York, N. Y. Filed Aug. 8, 1951.

Tek-tiv

For Bag Seals for Cloth Bags—Namely, Coin Bags.
Claims use since July 18, 1951.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 499,835. Floyd E. Gray, doing business as Dimco-Gray Company, Dayton, Ohio, by mesne assignments from Gray Laboratory & Manufacturing Company. Original filed, act of 1905, Apr. 8, 1946; amended to application under act of 1946, Principal Register, Nov. 23, 1948.

GRAY LAB

For Electrically Operated Time Measuring Instruments for Setting Another Object in Operation.
Claims use since Jan. 11, 1946.

Ser. No. 579,154. Robertshaw-Fulton Controls Company, Greensburg, Pa. Filed May 18, 1949.



The representation of the goods is disclaimed.
For Thermostats, Thermostatic Valves, Thermostatic Switches, Thermostatic Pilot Controls for Preventing Escape of Unburned Fuel From Fluid Fuel Burners, Thermocouples, and Component Parts for All Said Products.
Claims use since Mar. 1, 1949.

Ser. No. 593,585. Danca Products Corporation, New York, N. Y. Filed Mar. 8, 1950.

B-SAFE

For Wide-Angle Lens for Installation in a Door for Use as a Door Peep.
Claims use since Feb. 24, 1950.

Ser. No. 605,950. Gevaert Photo-Producten N. V., Mortsel, Belgium. Filed Nov. 6, 1950.

GEVACHROME

Applicant claims ownership of Belgian Registration No. 14,990, dated Sept. 30, 1950.
For Light Sensitive Materials for Use in Photography—Namely, Sensitized Photographic Papers, Sensitized Photographic Plates, Sensitized Photographic, Cinematographic, and X-Ray Films.

Ser. No. 605,951. Gevaert Photo-Producten N. V., Mortsel, Belgium. Filed Nov. 6, 1950.

GEVAPAN

Applicant claims ownership of Belgian Registration No. 14,992, dated Sept. 30, 1950.
For Light Sensitive Materials for Use in Photography—Namely, Sensitized Photographic Papers, Sensitized Photographic Plates, Sensitized Photographic, Cinematographic, and X-Ray Films.

Ser. No. 609,476. Builders Iron Foundry, Providence, R. I. Filed Feb. 1, 1951. (Sec. 2f.)

SHUNTFLO

For Rotary Type Integrating Flow Meters for Steam, Air and Gas, and Accessories Therefor—Namely, Liquid Level Gauge Glass, Transmitter, Remote Totalizer, Flow Rate Indicator, Flow Rate Recorder, Flow Demand Indicator and Flow Demand Recorder.
Claims use since August 1945.

Ser. No. 614,477. Judson Engineering Corporation, Laconia and Franklin, N. H. Filed May 25, 1951.

CALCO-LINER

The word "Liner" is disclaimed.
For Testing Devices for Vehicle Wheels—Namely, Gauges for Checking and Reading Wheel Caster, Camber, and Degree of Turning Radius.
Claims use since Mar. 26, 1951.

Ser. No. 614,590. Visual Research Incorporated, Boston, Mass. Filed May 31, 1951.

RECLINO-SPECS

The word "Specs" is disclaimed.
For Spectacles With Optical Prisms.
Claims use since Nov. 21, 1950.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 523,909. Massachusetts Mattress Company, Boston, Mass. Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949.

REX
AMHERST

The name "Rex Amherst" is fanciful.
For Mattresses and Box Springs.
Claims use since 1942.

Ser. No. 523,910. Massachusetts Mattress Company, Boston, Mass. Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949.

REX
CLINTON

The name "Rex Clinton" is fanciful.
For Mattresses and Box Springs.
Claims use since 1942.

Ser. No. 523,911. Massachusetts Mattress Company, Boston, Mass. Original filed, act of 1905, June 10, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949.

REX
DARTMOUTH

The name "Rex Dartmouth" is fanciful.
For Mattresses and Box Springs.
Claims use since 1942.

Ser. No. 524,069. Massachusetts Mattress Company, Boston, Mass. Original filed, act of 1905, June 12, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1949.

REX
BANCROFT

The name "Rex Bancroft" is fanciful.
For Mattresses and Box Springs.
Claims use since 1942.

Ser. No. 552,816. Tomlinson of High Point, High Point, N. C. Filed Mar. 23, 1948. (Sec. 2f.)

TOMLINSON

For Articles of Furniture—Namely, Buffets, Tables, Cabinets, Chairs, Sofas, Benches, Beds, Dressers, Vanities, Chests, Chests of Drawers, Highboys, Lowboys, Secretaries, Desks, Stools, Cupboards, Bookcases, Couches, Sideboards, Cradles, Reading Stands, Window Seats, Bureaus, Mirrors, Dressing Screens, and Panels Therefor.
Claims use since 1900.

Ser. No. 553,063. Bankers Box Company, Chicago, Ill. Filed Mar. 26, 1948.

Liberty

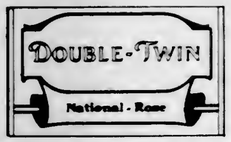
Applicant claims ownership of Registrations Nos. 194,528, 321,922, and 437,988.
For Cardboard and Corrugated-Board Storage Filing Boxes.
Claims use since Feb. 14, 1923.

Ser. No. 557,222. Superior Sleeprite Corporation, Chicago, Ill. Filed May 17, 1948.

Skandia

For Beds and Bunk Beds, Vanity Chairs, Night Tables, Dinette Furniture Sets Including Chairs and Tables, Chests of Drawers, Vanities, Desks, Night Stands, Cabinets for Household Use (Breakfront Cabinets), and Combination Bed and Chest.
Claims use since Jan. 1, 1943.

Ser. No. 559,531. The National-Rose Company, Memphis, Tenn. Filed June 17, 1948.



The words "Double-Twin" are disclaimed. The drawing is lined for shading. Applicant claims ownership of Registrations Nos. 84,753 and 201,178.
For Mattresses.
Claims use since Mar. 12, 1948.

Ser. No. 561,810. The Dayton Rubber Company, Dayton, Ohio. Filed July 21, 1948.

Koolfoam

For Sponge Rubber Cushions.
Claims use since June 13, 1948.

Ser. No. 563,910. Davison's Northwest Shade & Linoleum Service Inc., Seattle, Wash. Filed Aug. 24, 1948.



The words "Where the Quality-Wise Economize" are disclaimed.
For Window Shades.
Claims use since May 1947.

Ser. No. 574,848. Massachusetts Mattress Company, Boston, Mass. Filed Mar. 3, 1949.

"Rex"
THE KING OF THE STUDIO

The words "The King of the Studio" are disclaimed.
For Sofa Beds and Studio Couches.
Claims use since January 1935.

Ser. No. 607,035. Murphy-Miller, Inc., Owensboro, Ky. Filed Nov. 28, 1950.



The term "Chair" is disclaimed. The drawing is lined for the color black.
For Chairs.
Claims use since Oct. 10, 1950.

Ser. No. 608,799. Toyad Corporation, Latrobe, Pa. Filed Jan. 15, 1951.

Foam-Crafter

The word "Foam" is disclaimed.
For Surgical, Industrial, and Specialty Products Fabricated From Foam Rubber—Namely, Foam Rubber Pillows.
Claims use since Dec. 21, 1950.

CLASS 36
MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 573,004. Jules M. Sahlein, doing business as J. M. Sahlein Music Company, San Francisco, Calif. Filed Jan. 28, 1949. (Sec. 2f.)

SILVAGNI

The name "Silvagni" is purely fictional.
For Accordions; Stringed and Fretted Instruments, and Strings, Bridges and Picks Therefor.
Claims use since 1927.

Ser. No. 586,966. Everett Piano Company, South Haven, Mich. Filed Oct. 28, 1949.

DYNA TENSION

The word "Tension" is disclaimed.
For Piano Tone-Producing Units.
Claims use since Oct. 19, 1949.

Ser. No. 598,578. Dot Records, Incorporated, doing business as Dot Recording Co., Gallatin, Tenn. Filed June 5, 1950.

Dot

For Disc Grooved Phonograph Records.
Claims use since Apr. 1, 1950.

CLASS 37
PAPER AND STATIONERY

Ser. No. 525,964. The Sorg Paper Company, Middletown, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 19, 1950.

PARALLEL

For Writing Paper, Printing Paper, Bristol and Paper of High Strength and Also for Said Papers of Somewhat Higher Weights but Having Higher Strength Characteristics for General Strong Utility as Manufactured and Sold in Bulk in the Form of Sheets and Rolls to Converters of Such Bulk Paper Into Products for Retail Sale.
Claims use since 1926.

Ser. No. 526,080. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 18, 1948. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 437,374, 437,375, and 444,334.
For Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded.
Claims use since 1940.

Ser. No. 543,162. Fort Howard Paper Company, Green Bay, Wis. Filed Dec. 3, 1947. (Sec. 2f.)

drize

For Paper Towels.
Claims use since Oct. 8, 1940.

Ser. No. 543,628. The McBee Company, Athens, Ohio. Filed Dec. 6, 1947. (Sec. 2f as to "McBee.")



The words "Hocking Bond" are disclaimed apart from the mark shown.
For Stationery, Letter Paper, Leaves for Looseleaf Files, Printed Blanks, and Similar Sheets of Blank Paper.
Claims use since July 1946 on the mark as shown: and since 1908 on "McBee."

Ser. No. 543,629. The McBee Company, Athens, Ohio. Filed Dec. 6, 1947. (Sec. 2f.)



The generic term "Ledger" is disclaimed. Applicant claims ownership of Registrations Nos. 196,695, 284,817, and 361,595.
For Stationery—Namely, Letter Paper, Leaves for Looseleaf Files, Printed Blanks, and Similar Sheets of Blank Paper.
Claims use since January 1936.

Ser. No. 543,630. The McBee Company, Athens, Ohio. Filed Dec. 6, 1947. (Sec. 2f.)



The words "Ledger" and "Athens Ohio" are disclaimed. Applicant claims ownership of Registrations Nos. 196,695, 284,817, and 361,595.
For Stationery, Letter Paper, Leaves for Looseleaf Files, Printed Blanks, and Similar Sheets of Blank Paper.
Claims use since Mar. 1, 1924.

Ser. No. 558,332. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed June 2, 1948.



For Papeteries, i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages.
Claims use since May 12, 1947.

Ser. No. 575,495. Simplex Binder Co., New York, N. Y. Filed Mar. 15, 1949.

Arkay

For Memorandum Books, Address Books, Bridge Pads, and Gin Rummy Pads.
Claims use since Mar. 1, 1918.

Ser. No. 590,907. Owen Morris, doing business as Owen Morris & Co., New York, N. Y. Filed Jan. 14, 1950.



For Mechanical Pencils.
Claims use since Oct. 14, 1949.

Ser. No. 592,081. D. Kaltman & Co., Inc., Jersey City, N. J. Filed Feb. 7, 1950.

WISE BUYS

For Partially Printed Memorandum Book Supplied for Use by Buyers for Pharmacies and of Pharmaceuticals.
Claims use since Dec. 1, 1949.

Ser. No. 595,418. F. L. Russell Corporation, Saugerties, N. Y. Filed Apr. 7, 1950. (Sec. 2f.)

sterling

For Tablets, Blank Books, Memorandum Books, Note Books, Account Books, and Loose Leaf Books.
Claims use since Apr. 24, 1895.

Ser. No. 601,911. J. Hershkowitz, Inc., New York, N. Y. Filed Aug. 8, 1950.

"Jay" BRAND

The word "Brand" is disclaimed.
For Tailors' Chalk.
Claims use since May 26, 1949.

Ser. No. 605,863. Listo Pencil Corporation, Alameda, Calif. Filed Nov. 3, 1950.

Score-Rite

The word "Rite" is disclaimed.
For Mechanical Pencils.
Claims use since July 25, 1950.

Ser. No. 606,410. Robert J. Burnham, Inc., New York, N. Y. Filed Nov. 15, 1950.

Everglide

For Fountain Pens.
Claims use since Feb. 5, 1950.

Ser. No. 607,238. Shellmar Products Corporation, Chicago, Ill. Filed Dec. 2, 1950.

For Printed Merchandise Wrappers in Sheet and Roll Form.
Claims use since Oct. 3, 1950.

Ser. No. 607,950. Gemsco, Inc., New York, N. Y. Filed Dec. 21, 1950.

Sportsman

Applicant claims ownership of Registrations Nos. 287,057, 290,094, and 292,539.
For Ball-Pointed Ink Tubes for Use With Stencils and for Marking Purposes.
Claims use since July 12, 1950.

Ser. No. 607,981. Carmelle, Inc., Burbank, Calif. Filed Dec. 22, 1950.

GAB from a GOB

For Writing Paper, Note Paper, Correspondence, and Mailing Envelopes.
Claims use since Aug. 29, 1950.

Ser. No. 608,436. H. Plymouth Shedd, Wayzata, Minn. Filed Jan. 5, 1951.

CalenCar

For Combination Automobile Calendar and Notebook.
Claims use since Dec. 7, 1950.

Ser. No. 608,559. Helen Smith McClure, New York, N. Y. Filed Jan. 9, 1951.

DRI-HEART BIB

The word "Bib" is disclaimed.
For Infants' Disposable Paper Bibs.
Claims use since Dec. 12, 1950.

Ser. No. 608,662. The Monarch Marking System Company, Dayton, Ohio. Filed Jan. 11, 1951. (Sec. 2f.)

Pin-On

Applicant claims ownership of Registrations Nos. 198,293 and 510,936.
For Price Marking Tickets, Tags, and Labels.
Claims use since July 1924.

Ser. No. 608,762. Evelyn S. Levinson, doing business under the name and style of The Levinson Company, New York, N. Y. Filed Jan. 13, 1951.

THE CROOKED SCORE KEEPER

The word "Crooked" is disclaimed.
For Pencils and Ball Point Pens, Both Being Hexagonal or Triangular in Shape, Bent With Two Curves and Intended To Be Sold as a Novelty.
Claims use since Nov. 4, 1950.

Ser. No. 609,026. George D. Champion, doing business as Champion Dry Coaster Co., Cincinnati, Ohio. Filed Jan. 20, 1951.

"Tubs"

For Coasters in the Nature of Blotter Tablets for Use Under Beverage Glasses.
Claims use since Nov. 20, 1950.

Ser. No. 609,404. Eberhard Faber Pencil Company, Brooklyn, N. Y. Filed Jan. 30, 1951.

Paper-mated

For Rubber Erasers.
Claims use since Jan. 25, 1951.

Ser. No. 610,495. Frawley Corporation, San Francisco, Calif. Filed Feb. 24, 1951.

PAPER MATE

Applicant claims ownership of Registration No. 546,296.
For Ball-Point Pens.
Claims use since July 6, 1949.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 546,802. Stoeger Arms Corporation, New York, N. Y. Filed Jan. 12, 1946. (Sec. 2f.)

"The Shooter's Bible"

Applicant claims ownership of Registration No. 394,657.
For Publication Embracing Matters Principally Descriptive of Small Arms, Ammunition, Components Thereof, and Shooters' Accessories, Published From Time to Time.
Claims use since Sept. 10, 1938.

Ser. No. 587,763. Ray C. Sprosty Bag Company, Inc., Wooster, Ohio. Filed Nov. 14, 1949.

NEWS in the BAG

The word "News" is disclaimed.
For Periodical Issued From Time to Time.
Claims use since June 1, 1948.

Ser. No. 603,486. McCall Corporation, New York, N. Y. Filed Sept. 13, 1950. (Sec. 2f.)

McCall's

Applicant claims ownership of Registration No. 226,481.
For Magazines, Publications Issued Periodically or From Time to Time, Catalogues, Leaflets, Reprints of Literary and Artistic Matter From Publications, Prepared Promotional or Advertising Material Sold or Distributed as Such.
Claims use since Sept. 1, 1897.

Ser. No. 609,656. McGraw-Hill Publishing Company, Inc., New York, N. Y. Filed Feb. 5, 1951. (Sec. 2f.)

AIR TRANSPORT

Applicant claims ownership of Registration No. 530,418.
For Section of a Periodical.
Claims use since September 1943.

Ser. No. 609,980. New York Herald Tribune Inc., New York, N. Y. Filed Feb. 12, 1951.

WORLD PRIZE STORIES

The word "Stories" is disclaimed.
For Magazine.
Claims use since Jan. 25, 1951.

Ser. No. 610,452. National Spiritual Assembly of the Baha'is of the United States, Wilmette, Ill. Filed Feb. 23, 1951.

BAHÁ'Í

The literal translation of the term "Bahá'í" means "a follower of Bahaullah," the founder of the religion.
For Publications—Namely, Books, Periodicals, Pamphlets, House Organs, and News Reports.
Claims use since 1900.

Ser. No. 611,900. Investographs, Rochester, N. Y. Filed Mar. 28, 1951.

INVESTOGRAPHS

Applicant claims ownership of Registration No. 286,113.
For Business History Charts and Compilations Thereof.
Claims use since Apr. 7, 1930.

Ser. No. 612,007. Thomas Dreier, St. Petersburg, Fla. Filed Mar. 30, 1951.

The Vagabond

For Monthly Magazine.
Claims use since Jan. 1, 1917.

Ser. No. 613,009. L. L. Publishing Co., Inc., New York, N. Y. Filed Apr. 23, 1951.

THE VAULT OF HORROR

For Magazine Published Periodically and for a Cartoon Strip Published in a Series in Periodicals.
Claims use since Dec. 1, 1949.

Ser. No. 613,294. Victor J. Herman, doing business as Vic Herman, New York, N. Y. Filed Apr. 28, 1951.

"WINNIE THE WAC"

For Cartoons.
Claims use since Oct. 21, 1943.

Ser. No. 613,324. Fables Publishing Co., Inc., New York, N. Y. Filed Apr. 30, 1951.

THE HAUNT OF FEAR

For Magazine Published Periodically and for a Cartoon Strip Published in a Series in Periodicals.
Claims use since Dec. 15, 1949.

CLASS 39

CLOTHING

Ser. No. 548,475. Bifiex Foundations, Inc., New York, N. Y. Filed Jan. 31, 1948.

TUMMY MAGIC

For Girdles, Panties, and Foundation Garments.
Claims use since Jan. 21, 1948.

Ser. No. 552,961. Elysee Lingerie Corporation, Bronx, New York, N. Y. Filed Mar. 25, 1948.

Elysée 54 Tri.

The number "54" is disclaimed.
For Women's Nightgowns, Pajamas, Lounging Gowns, and Bath Robes, and Negligees.
Claims use since Feb. 25, 1948.

Ser. No. 558,196. S. Stroock & Co. Inc., New York, N. Y. Filed May 11, 1948.

COBBLESTONE

Applicant claims ownership of Registration No. 514,887.
For Women's Coats.
Claims use since June 2, 1937.

Ser. No. 558,940. I. Schneierson & Sons, Inc., New York, N. Y. Filed June 10, 1948. (Sec. 2f.)

Sliperaft

Applicant claims ownership of Registration No. 270,143.
For Ladies' and Children's Slips.
Claims use since July 1, 1928.

Ser. No. 560,297. Skyline Co., Chicago, Ill. Filed June 26, 1948.



For Men's Sport Shirts.
Claims use since July 7, 1947.

Ser. No. 565,238. Jack Daniels, Brooklyn, N. Y. Filed Sept. 16, 1948.

Jack Daniels

For Wearing Apparel for Men, Women, and Children—Namely, Blouses, Under and Outer Shirts, Jackets, Coats, Pajamas, Bath Robes, and Dresses.
Claims use since April 1946.

Ser. No. 568,642. Le Roy Shirt Co., Inc., New York, N. Y. Filed Nov. 12, 1948. (Sec. 2f.)

Le Roy

For Men's Outer Shirts.
Claims use since Dec. 31, 1909.

Ser. No. 570,701. M. Gordon Hosiery Mills, Inc., Sinking Spring, Pa. Filed Dec. 17, 1948.

EMGE

For Ladies' Hosiery.
Claims use since Sept. 11, 1940.

Ser. No. 587,869. Goldstein Millinery Company, Chicago, Ill. Filed Nov. 16, 1949.

Helene
EXCLUSIVE

The word "Exclusive" is disclaimed.
For Ladies', Misses', and Children's Hats.
Claims use since Aug. 1, 1949.

Ser. No. 589,695. American Bleached Goods Company, Inc., New York, N. Y. Filed Dec. 21, 1949.

ALPHACLOTH

The word "Cloth" is disclaimed. Applicant claims ownership of Registration No. 119,625.
For Men's Outer Shirts.
Claims use since 1921.

Ser. No. 591,991. Curtis A. Limbach, doing business as Calvin Curtis, New York, N. Y. Filed Feb. 4, 1950.

CRAVATEUR

Applicant claims ownership of Registration No. 381,787.
For Neckties, Cravats, Scarves, Suspenders, Garters, and Robes.
Claims use since Mar. 9, 1939.

Ser. No. 594,332. Pool Manufacturing Company, Sherman, Tex. Filed Mar. 21, 1950. (Sec. 2f.)

Pool's
"SWETPRUF"

Applicant claims ownership of Registrations Nos. 509,273, 236,938, and others.
For Work Pants, Work Shirts, and One-Piece Work Suits for Men and Boys.
Claims use since January 1926.

Ser. No. 598,288. John R. Alongi, Du Quoin, Ill. Filed May 29, 1950.

HOLY COW

For Shirts for Boys.
Claims use since Apr. 15, 1950.

Ser. No. 598,913. Harold J. Lehman, Inc., Chicago, Ill. Filed June 10, 1950.



The portrait of the children is fanciful. The word "Tot's" is disclaimed.
For Children's Hats, Infants' Bonnets, and Boys' Caps.
Claims use since May 17, 1950.

Ser. No. 599,966. Northwood Fur Farms, Cary, Ill. Filed June 29, 1950.

BLUE
HORIZON
PASTEL

The words "Blue" and "Pastel" are disclaimed.
For Mink Garments—Namely, Coats, Capes, Jackets, Stoles, and Scarfs.
Claims use since August 1948.

Ser. No. 599,968. Parfums Evyan Inc., New York, N. Y. Filed June 29, 1950.

Golden Shadows

For Negligees, Nightgowns, Evening Gowns, and Slips.
Claims use since June 22, 1950.

Ser. No. 600,252. David Benioff Brothers, San Francisco, Calif. Filed July 6, 1950.

Andre Gayne

The name "Andre Gayne" is fanciful.
For Women's Fur Garments—Namely, Coats, Capes, Stoles, Jackets, and Muffs.
Claims use since June 22, 1950.

Ser. No. 600,913. Pledgewear, Incorporated, St. Louis, Mo. Filed July 19, 1950.

a pledge pin fashion

The word "Fashion" is disclaimed.
For Outer Clothing for Girls, Subteens and Teens—Namely, Coats and Suits.
Claims use since May 20, 1950.

Ser. No. 604,865. South Carolina Mills, Spartanburg, S. C. Filed Oct. 13, 1950.



Applicant claims ownership of Registration No. 521,972.
For Underwear and Outerwear for Men, Women, and Children—Namely, Night Shirts, Nightgowns, Blouses, Shirts, Slips, Brassières, Undershirts, Panties, Underwear Shorts, Outer Wear Shorts, Dresses, Sport Pants, Slacks, Slack Suits, and Coats.
Claims use since Mar. 18, 1948.

Ser. No. 604,866. Strawbridge & Clothier, Philadelphia, Pa. Filed Oct. 13, 1950. (Sec. 2f as to "Strawbridge & Clothier.")



The name "Betsy Perkins" is fanciful. Applicant claims ownership of Registrations Nos. 279,567 and 282,104.
For Women's Shoes Made of Leather, Rubber, Canvas, and/or Any Combinations Thereof.
Claims use since Apr. 10, 1929.

Ser. No. 605,188. Wickbury, Ltd., New York, N. Y. Filed Oct. 19, 1950.

WICKSHIRE

For Men's Suits, Top Coats, Overcoats, Sport Jackets, and Slacks.
Claims use since June 22, 1950.

Ser. No. 606,205. Brooks Brothers, New York, N. Y. Filed Nov. 10, 1950. (Sec. 2f.)

HENLEY

Applicant claims ownership of Registration No. 277,516.
For Collars.
Claims use since Oct. 1, 1925.

Ser. No. 606,433. Newnan Hosiery Mills, Incorporated, Newnan, Ga., assignor to Spalding Knitting Mills, a corporation of Georgia. Filed Nov. 15, 1950.

Stepping Stones

Applicant claims ownership of Registration No. 241,660.
For Hosiery for Infant Children and Misses.
Claims use since June 6, 1927.

Ser. No. 608,604. Hermal Shoe Co., Inc., Everett, Mass. Filed Jan. 10, 1951.

Ballegro

For Women's and Children's Shoes and Slippers Made of Leather, Fabric, and Combinations Thereof.
Claims use since June 28, 1950.

Ser. No. 609,398. Cripps Mens Wear, Inc., New York, N. Y. Filed Jan. 30, 1951. (Sec. 2f.)

Cripps

For Men's and Boys' Negligee Shirts, Neckties, Sport Coats, Suits, Slacks, Overcoats, Pajamas, One and Two-Piece Underwear.
Claims use since July 18, 1942.

Ser. No. 611,681. Brand of Texas, Inc., Laredo, Tex. Filed Mar. 23, 1951.

PATLIN-PARK

For Men's Suits and Jackets.
Claims use since Oct. 10, 1950.

Ser. No. 611,847. Lubin-Weeker Co., Inc., New York, N. Y. Filed Mar. 27, 1951.

CLUB NIGHTER

For Men's and Boys' Pajamas.
Claims use since Oct. 16, 1950.

Ser. No. 612,038. Snelbaker Manufacturing Company, Mechanicsburg, Pa. Filed Mar. 30, 1951.



The drawing is lined for shading.
For Men's and Boys' Outer Shirts, Jackets, Mackinaws, and Pants.
Claims use since June 30, 1935.

Ser. No. 612,105. Manuel Vidal Alvarez, known legally as M. Vidal, Ponce, Puerto Rico. Filed Apr. 2, 1951. (Sec. 2f.)

Rochester Town Clothes

The word "Clothes" is disclaimed.
For Suits, Pants, Slacks, Shorts, Coats, Jackets, Sport Coats, Dress Shirts, Sport Shirts, Under Shirts and Shorts, Hosiery, Shoes, Belts, Hats, Ties, and Handkerchiefs.
Claims use since Apr. 1, 1942.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 556,173. Brooklyn Mills, Inc., New York, N. Y. Filed May 4, 1948.



The drawing is lined for shading. The words "Fit for a Queen" are disclaimed. Applicant claims ownership of Registration No. 435,217.

For Hair-Retaining Devices—Namely, Combs and Barrettes.

Claims use since July 1947.

Ser. No. 577,910. B. Schwanda & Sons, New York, N. Y. Filed Apr. 28, 1949. (Sec. 2f.)

Buttons By Schwanda

The word "Buttons" is disclaimed.

For Buttons Not Made of Precious Metal or Precious Stones.

Claims use since June 17, 1945.

Ser. No. 606,091. Tip-Top Products Company, Omaha, Nebr. Filed Nov. 8, 1950.

BUTTON

For Hair Curlers of Non-Electric Type.

Claims use since Mar. 24, 1950.

Ser. No. 606,969. Call Bond & Mortgage Company, Sioux City, Iowa. Filed Nov. 27, 1950.

Groom-Master

The word "Groom" is disclaimed.

For Ball Point Tooth Comb.

Claims use since Aug. 25, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 615,951. Tabin-Picker & Co., Chicago, Ill. Filed June 30, 1951.

EVERIZED

For Rayon Piece Goods.

Claims use since Jan. 16, 1945.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 571,938. The Shasta Water Company, San Francisco, Calif. Filed Jan. 10, 1949.

SPARK-UP

For Non-Alcoholic Maltless Soft Drinks.

Claims use since December 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 533,258. Armour and Company, Chicago, Ill. Filed Sept. 4, 1947.

GOLD BAND

For Butter, Fresh Eggs, and Dressed Poultry.

Claims use since 1938.

Ser. No. 550,860. Tenderet Sales Company, Chicago, Ill. Filed Feb. 28, 1948.

STEAK-ETTE

The word "Steak" is disclaimed.

For Preparation Consisting of Dehydrated Egg Albumen and Egg Yolk in Powder Form for Use With Ground Meat or Meat in any Form.

Claims use since Feb. 16, 1948.

Ser. No. 552,552. Flour Mills of America, Inc., doing business as Great Bend Milling Company, Kansas City, Mo., and Great Bend, Kans. Filed Mar. 12, 1948.



For Wheat Flour.

Claims use since March 1875.

Ser. No. 552,554. Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Filed Mar. 12, 1948.



For Wheat Flour.

Claims use since Sept. 26, 1912.

Ser. No. 553,600. Flour Mills of America, Inc., doing business as Kansas Flour Mills Company, Kansas City, Mo. Filed Apr. 1, 1948.

OLD GOLD

For Wheat Flour.

Claims use since March 1875.

Ser. No. 553,608. Flour Mills of America, Inc., doing business under the name and style of Kansas Flour Mills Company, Kansas City, Mo. Filed Apr. 1, 1948.



For Wheat Flour.

Claims use since January 1941.

Ser. No. 564,383. Gerber Products Company, Fremont, Mich. Filed Aug. 30, 1948. (Sec. 2f.)

Gerber's

Applicant claims ownership of Registrations Nos. 369,865, 405,310, and others.

For Canned Foods for Infants and Invalids—Namely, Strained Soup Mixed Vegetables, Strained Chicken Soup, Custard Pudding, Strained Carrots, Strained Beets, Strained Soup Vegetables and Beef, Strained Spinach, Strained Peas, Strained Soup Vegetables and Lamb, Strained Soup Vegetables and Bacon, Strained Soup Vegetables and Liver, Strained Squash, Strained Apricots With Farina, Strained Apple Sauce, Strained Pear and Pineapple, Strained Pears, Strained Green Beans, Strained Apricot-Apple Sauce, Strained Prunes, Strained Peaches, Orange Pudding, Chocolate Flavored Custard Pudding, Strained Sweet Potatoes; Junior Foods—Namely, Soup Vegetables and Bacon, Chopped Spinach, Soup Vegetables and Liver, Pears and Pineapple, Pineapple Rice Pudding, Chopped Green Beans, Chopped Peaches, Chopped Carrots, Soup Vegetables and Beef, Soup Vegetables and Lamb, Soup Vegetables and Chicken, Chopped Apricot-Apple, Chopped Apples, Chopped Mixed Vegetables With Barley and Yeast, Chopped Squash, Chopped Pears and Pineapple, and Chopped Beef With Beef Broth Added, Chopped Liver With Broth Added, Chopped Veal With Veal Broth Added, Strained Beef With Beef Broth Added, Strained Liver With Broth Added and Strained Veal With Veal Broth Added; Strained Lamb With Lamb Broth Added, Strained Beef Hearts With Beef Heart Broth Added, and Strained Pork With Pork Broth Added.

Claims use since Oct. 12, 1928.

Ser. No. 565,929. Hershel California Fruit Products Co., San Jose, Calif. Filed Sept. 27, 1948.

Contadina

Applicant claims ownership of Registrations Nos. 340,001, 204,436, and 124,957.

For Food Products—Namely, Canned Tuna Fish, Canned Vegetables, Canned Fruit, Canned Tomato Juice, Canned Soups, and Canned Tomato Sauce.

Claims use since Aug. 26, 1948.

Ser. No. 566,049. Custer Rogers, doing business as Rogers Food Products, Lawrence, Mass. Filed Sept. 28, 1948. (Sec. 2f.)



For Canned and Bottled Comestibles—Namely, Mustard, Mayonnaise, Salad Dressing, Vinegar, Cherries, Olives, Pickles, Pickled Peppers, Pickled Onions, Pickled Eggs, Relishes—Namely, Cucumber, Sweet, Pepper, Dill, Pickle and Piccalilly, and Lemon Juice and Syrups for Use on Ice Cream, Desserts, and Puddings.

Claims use since Oct. 7, 1940.

Ser. No. 577,396. Maple Island Farm, Inc., Stillwater, Minn., now by change of name Maple Island, Inc. Filed Apr. 19, 1949.

Maple Island

For Butter, Milk Powder, Cheddar Cheese.

Claims use since July 15, 1937.

Ser. No. 588,902. William B. Smock, doing business as W. B. Smock Mfg., Ridgecrest, Calif. Filed Dec. 6, 1949.



The word "Best" is disclaimed. The drawing is lined for the color green.

For Barbecue Sauce.

Claims use since Nov. 12, 1949.

Ser. No. 591,066. Bayou Candy Co., Inc., New Orleans, La. Filed Jan. 19, 1950.

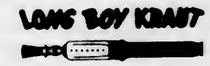
LONG BOY KRAUT

The word "Kraut" is disclaimed.

For Candy.

Claims use since July 1949.

Ser. No. 591,067. Bayou Candy Co., Inc., New Orleans, La. Filed Jan. 19, 1950.



The word "Kraut" is disclaimed.

For Candy.

Claims use since July 1949.

Ser. No. 592,091. Eva M. Morrow, Elgin, Ill. Filed Feb. 7, 1950.

Puffles

For Food Product Comprising Thin Pieces of Cooked and Dried Dough, Suitable for Eating After Being Expanded by Immersion in Hot Oil, and Sold Both in the Expanded and the Unexpanded Forms.
Claims use since Mar. 28, 1927.

Ser. No. 594,102. Leon W. Chumlea, doing business as Chumlea's Laboratories and as Associated Laboratories, Lebanon, Ind. Filed Mar. 17, 1950. (Sec. 2f.)

CHUMLEA'S

For Distilled Milk Used as an Ingredient for Butter, Cheese, and Milk and Cheese Coagulators.
Claims use since August 1940.

Ser. No. 596,376. Parkview Markets, Inc., Cincinnati, Ohio. Filed Apr. 5, 1950.



For Canned Vegetables—Namely, Tomatoes, Tomato Puree, Pimentos, Green Beans, Corn, Peas; Canned Fruits—Namely, Peaches, Apple Sauce; Canned Fish—Namely, Shrimp, Tuna; Canned Juices—Namely, Tangerine Juice, Orange Juice, Tomato Juice.
Claims use since Jan. 27, 1947.

Ser. No. 596,555. E. J. Brach & Sons, Chicago, Ill. Filed Apr. 29, 1950. (Sec. 2f.)

BURGUNDY MIX

For Hard Candies, Toffies, and Caramels Sold in Combination.
Claims use since January 1933.

Ser. No. 599,050. Hayden Flour Mills, Tempe, Ariz. Filed Apr. 2, 1951.

ARIZONA

ROSE

The word "Arizona" is disclaimed.
For Wheat Flour.
Claims use since May 1918.

Ser. No. 601,995. National Dairy Products Corporation, New York, N. Y. Filed Aug. 9, 1950.

Sealtest

Applicant claims ownership of Registrations Nos. 366,874, 369,430, and 370,871.
For Whole Milk, Skim Milk, Buttermilk, Chocolate Flavored Milk, Eggnog, Malted Milk, Pressurized Cream Topping, Cream, Sour Cream, Evaporated Milk Infant Food, Cheese, Ice Cream, Ice Cream Novelties, Ices and Sherbets, Butter, and Eggs.
Claims use since Apr. 1, 1935.

Ser. No. 603,807. National Distillers Products Corporation, New York, N. Y. Filed Sept. 20, 1950.

NADRISOL

For Dried Solubles Derived From the Residue of Cereal Grains That Have Been Used in the Distilling of Spirits, Which Solubles Are Used as an Ingredient of Cattle, Dog, Hog, Poultry, Sheep, and Other Livestock Feeds.
Claims use since April 1944.

Ser. No. 604,287. Absalon Brands, Inc., New York, N. Y. Filed Oct. 2, 1950.



The mark comprises a silhouette of a well-known representation of Absalon, the famous Danish archbishop and statesman.
For Cheeses and Fruit Preserves.
Claims use since Aug. 31, 1950.

Ser. No. 604,634. Haines Oyster Company, Seattle, Wash. Filed Oct. 9, 1950. (Sec. 2f.)

Haines

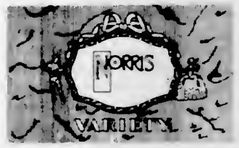
For Fresh, Frozen, Canned, and Processed Oysters and Oyster Stew, Clams, Fish, Crab, and Shrimp.
Claims use since September 1903.

Ser. No. 605,751. Lindt & Sprungli, Inc., New York, N. Y. Filed Nov. 1, 1950. (Sec. 2f.)

Lindt

Applicant claims ownership of Registrations Nos. 51,382 and 87,306.
For Chocolate Candy.
Claims use since 1898.

Ser. No. 606,233. Norris Inc., Atlanta, Ga. Filed Nov. 10, 1950. (Sec. 2f as to "Norris" and "Variety.")



The drawing is lined for the color rosy orchid or red. The background of the mark is disclaimed. Applicant claims ownership of Registrations Nos. 509,896, 512,053, and others.
For Candy.
Claims use since Nov. 1, 1950, on the mark as shown; since July 13, 1910, on the word "Norris"; and since Mar. 2, 1914, on the word "Variety."

Ser. No. 607,211. Armour and Company, doing business under the trade style Jacob E. Decker & Sons, Chicago, Ill. Filed Dec. 2, 1950.

IOWANA

Applicant claims ownership of Registrations Nos. 141,920, 115,165, and 529,714.
For Meat and Meat Products—Namely, Beef, Veal, and Lamb Carcasses and Cuts, Pork Feet, Pork Hocks, Chopped Pork, Pork Tongue, Pork Shoulder Picnics, Pork Loin Roll, and Luncheon Meat.
Claims use since June 1, 1916.

Ser. No. 607,833. Walun Trading Company, San Francisco, Calif. Filed Dec. 18, 1950.

WALUN

The mark consists of the equivalent of Chinese characters indicating a spirit of unity.
For Canned Clams and Canned Abalone.
Claims use since July 6, 1950.

Ser. No. 608,149. Crawford Gum Company, Inc., Long Island City, N. Y. Filed Dec. 28, 1950.

CLORETS

For Chewing Gum Containing Chlorophyll.
Claims use since Dec. 14, 1950.

Ser. No. 609,652. The Kansas Milling Company, Wichita, Kans. Filed Feb. 5, 1951.



Applicant claims ownership of Registrations Nos. 231,059 and 336,522.
For Wheat Flour.
Claims use since Jan. 20, 1950, as to the mark shown; and since 1907 as to "Silk Floss" in association with the representation of an eagle in one form or another.

Ser. No. 609,676. Corporacion Argentina de Productores de Carnes, New York, N. Y. Filed Feb. 6, 1951.

CAMPEON

The word "Campeon" is the Spanish translation of "Champion."
For Canned Corned Beef, Canned Corned Beef Hash, Canned Roast Beef, Canned Brisket Beef, Canned Tongue, Canned Corned Pork, Canned Corned Mutton, Canned Hamburgers, Canned Beef and Gravy.
Claims use since Jan. 13, 1942.

Ser. No. 610,203. Draper Brothers Inc., Frederica, Del. Filed Feb. 17, 1951.



For Canned Vegetables.
Claims use since Feb. 6, 1951.

Ser. No. 611,545. Sebastopol Cooperative Cannery, Sebastopol, Calif. Filed Mar. 19, 1951.

Apple Time

The word "Apple" is disclaimed.
For Canned Apple Sauce.
Claims use since Dec. 28, 1950.

Ser. No. 612,056. Hygrade Food Products Corporation, Detroit, Mich. Filed Mar. 15, 1951. (Sec. 2f.)

Old Fashioned

Applicant claims ownership of Registration No. 176,087.
For Bacon, Canned Stew Beef, Souse, Frankfurts, Bologna, Beef Tongue, Wieners, Pork Shoulder, Canned Corned Beef Hash, Meat Loaf, Sausage, and Luncheon Tongue.
Claims use since Feb. 9, 1922.

Ser. No. 612,287. Viking Products, Inc., New York, N. Y. Filed Apr. 5, 1951.



For Fresh, Frozen, and Canned Fish.
Claims use since Mar. 7, 1951.

Ser. No. 612,510. Schenley Distillers, Inc., New York, N. Y. Filed Apr. 11, 1951. (Sec. 2f.)

SALADOL

Applicant claims ownership of Registration No. 428,323.
For Crude Corn Oil Used for Food Purposes.
Claims use since Apr. 26, 1945.

Ser. No. 613,428. Steven Candy Kitchens, Inc., Chicago, Ill. Filed May 2, 1951. (Sec. 2f.)

Mrs. Steven's

Applicant claims ownership of Registration No. 512,964.
For Candies.
Claims use since January 1921.

Ser. No. 614,020. Texla Rice, Inc., Crowley, La. Filed May 17, 1951.



For Rice.
Claims use since June 14, 1950.

Ser. No. 614,128. M. Bambacigno, doing business as Modesto Olive Oil Company, Modesto, Calif. Filed May 21, 1951. (Sec. 2f.)

BARLETTA

Applicant claims ownership of Registrations Nos. 281,495 and 384,628.
For Olive Oil and Fresh Grapes.
Claims use since Sept. 15, 1929.

Ser. No. 614,155. Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Filed May 21, 1951. (Sec. 2f.)

ELSINORE

Applicant claims ownership of Registration No. 287,668.
For Canned Olives.
Claims use since Mar. 4, 1924.

CLASS 47

WINES

Ser. No. 589,078. Di Giorgio Fruit Corporation, San Francisco, Calif. Filed Dec. 9, 1949. (Sec. 2f.)

Di Giorgio

Applicant claims ownership of Registration No. 421,237.
For Wines.
Claims use since Nov. 28, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 527,803. August Wagner Breweries, Inc., Columbus, Ohio. Filed July 5, 1947.



All wording on the drawing except "Capitol" is disclaimed.
For Beer.
Claims use since July 16, 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 603,424. Hiram Walker & Sons, Inc., Detroit, Mich., and Peoria, Ill. Filed Sept. 11, 1950.

TROIKA

For Vodka.
Claims use since June 29, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 593,444. Sonya Rose, Beverly Hills, Calif. Filed Mar. 4, 1950.

Purse-nalized

The word "Purse" is disclaimed.
For Facial Creams, Lip and Cheek Rouges, Face Powders, Body Oils, Liquid and Cream Hair Pomades; Make-Up Kits Containing Cosmetics—Namely, Powder Base, Powder, Cleansing Cream, and Lip and Cheek Rouge.
Claims use since Nov. 1, 1949.

Ser. No. 595,253. Stanley Floreskul, doing business as The SF Laboratories, Boston, Mass. Filed Apr. 5, 1950.

Stani

For Face Creams, Skin Creams, Cleansing Creams, Night Creams, Foundation Creams, Cold Creams, Vanishing Creams, Lubricating Creams, Chap Creams, Deodorants, Creme Deodorants, Liquid Deodorants, Oils and Creams for the Dressing of Hair, Hair Tonics, Brilliantines, Bath Dusting Powders, Bath Crystals, Bath Oils, Cosmetic Rubbing Oils, Suntan Oils, Suntan Cremes, Suntan Lotions, Skin Lotions, Toilet Waters, Colognes, Perfumes, Face Powders, Talc Powders, Lipsticks, Rouges, Creme Rouges, Lip Pomades, Eye Shadows, Eyebrow Pencils, Mascaras, Leg Make-Ups, Lemon Rinses, Preparations for the Waving of Hair, Hair-Waving Liquids, Hair-Waving Neutralizers, Fingernail Polishes, Cuticle Removing Compositions, Cuticle Softeners, Hand Lotions, and Shaving Creams.
Claims use since Oct. 1, 1948.

Ser. No. 612,952. Dana Perfumes, Inc., Chicago, Ill. Filed Apr. 21, 1951.

MADEIRA

For Lipstick.
Claims use since Apr. 9, 1945.

Ser. No. 612,959. Dana Perfumes, Inc., Chicago, Ill. Filed Apr. 21, 1951.

SANTIAGO SUN

For Lipstick.
Claims use since Apr. 9, 1945.

Ser. No. 612,961. Dana Perfumes, Inc., Chicago, Ill. Filed Apr. 21, 1951.

STOLEN GOLD

For Lipstick.
Claims use since Apr. 9, 1945.

Ser. No. 612,962. Dana Perfumes, Inc., Chicago, Ill. Filed Apr. 21, 1951.

TREASURE TROVE

For Lipstick.
Claims use since Apr. 9, 1945.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 573,724. Lawrence E. Killmer, doing business as Parts Analysis and Services Company, Detroit, Mich. Filed Feb. 11, 1949.

PASCO

For Services Rendered to Automobile Parts Dealers—Namely, Checking and Analyzing Inventories in Order To Bring the Records Up to Date; Setting Up a Stock Control System for Automobile Parts; Furnishing of Plans and Blueprints for the Rebuilding of Automobile Parts Bins; Rebuilding Automobile Parts Bins and Furnishing Correct Bin Labels for Identifying Each Part's Location.
Claims use since Jan. 1, 1948.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 569,482. Selected Risks Indemnity Company, Branchville, N. J. Filed Nov. 26, 1948. (Sec. 2f.)

SAFETY RULES INCORPORATED SRI

The words "Safety Rules Incorporated" are disclaimed. The drawing is lined for shading only.
For Underwriting of Insurance Including Collision, Automobile Bodily Injury and Property Damage, Teams Liability, Bodily Injury and Property Damage Other Than Automobile, and Workmen's Compensation; and the Promotion of Safety Among Children Upon the Highways.
Claims use since 1934.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 573,724. Lawrence E. Killmer, doing business as Parts Analysis and Services Company, Detroit, Mich. Filed Feb. 11, 1949. (Classified in Class 101.)

PASCO

For Services Rendered to Automobile Parts Dealers—Namely, Checking and Analyzing Inventories in Order To Bring the Records Up to Date; Setting Up a Stock Control System for Automobile Parts; Furnishing of Plans and Blueprints for the Rebuilding of Automobile Parts Bins; Rebuilding Automobile Parts Bins and Furnishing Correct Bin Labels for Identifying Each Part's Location.
Claims use since Jan. 1, 1948.

CLASS 106

MATERIAL TREATMENT

Ser. No. 561,815. Fair Lawn Finishing Company, Fair Lawn, N. J. Filed July 21, 1948.

DURASEAL

For Application of Permanent Type Water-Repellent Finishes to Nylon and Acrylic Fabrics in the Piece.
Claims use since May 22, 1948.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 569,482. Selected Risks Indemnity Company, Branchville, N. J. Filed Nov. 26, 1948. (Classified in Class 102.) (Sec. 2f.)

SAFETY RULES INCORPORATED SRI

The words "Safety Rules Incorporated" are disclaimed. The drawing is lined for shading only.
For Underwriting of Insurance Including Collision, Automobile Bodily Injury and Property Damage, Teams Liability, Bodily Injury and Property Damage Other Than Automobile, and Workmen's Compensation; and the Promotion of Safety Among Children Upon the Highways.
Claims use since 1934.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,614. Brassières. Jupiter Foundations, Inc., New York, N. Y.
Filed Feb. 25, 1947, Serial No. 518,080. Published Sept. 25, 1951. Class 39.

444,615. Shellac, Wall Paints, and Varnish. Fred G. Broh, Inc., New York, N. Y.
Filed June 2, 1947, Serial No. 523,364. Published Sept. 25, 1951. Class 16.

ACT OF 1946, PRINCIPAL REGISTER

551,863. Platform Units for Exhibiting Jewelry Articles and the Like in Show Cases and Windows. Peter V. Martino, doing business as Fitsall Display Co., Long Island City, N. Y.
Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, May 20, 1948, Serial No. 510,713. Published Sept. 4, 1951. Class 32.

551,864. Hen Feed Comprised of Cracked Corn, Wheat, Kaffir, and Milo Maize. Hardeman Milling Company, McAlester, Okla.
Original filed, act of 1905, Nov. 13, 1946; amended to application under act of 1946, Principal Register, Nov. 17, 1949, Serial No. 512,502. Published Sept. 12, 1950. Class 46.

551,865. Cooked Animal Fats, Oils and Greases, and Meat Cake All for Use in Stock and Poultry Feed. James W. McDonald, Wichita Falls, Tex.
Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Principal Register, Jan. 17, 1950, Serial No. 521,355. Published Sept. 25, 1951. Class 46.

551,866. Dairy Products Processing Equipment—Namely, Weigh Cans and Testers, Etc. The Creamery Package Mfg. Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,915. Published Aug. 21, 1951. Class 26.

551,867. Window Curtains. Louis Landau Inc., New York, N. Y.
Filed Oct. 24, 1947, Serial No. 538,934. Published Sept. 18, 1951. Class 42.

551,868. Fresh Citrus Fruits. Lemon Cove Association, Lemon Cove, Calif.
Filed Oct. 27, 1947, Serial No. 539,183. Published Sept. 4, 1951. Class 46.

551,869. Ready Mixed Paints for Interior and Exterior Use on Wood, Etc. Mautz Paint & Varnish Company, Madison, Wis.
Filed Nov. 6, 1947, Serial No. 540,300. Published Sept. 18, 1951. Class 16.

551,870. Metal Trash Cans for Utilitarian and Sanitary Purposes, and Metal Hampers. United Metal Box Co., Inc., Brooklyn, N. Y.
Filed Dec. 19, 1947, Serial No. 544,937. Published Sept. 11, 1951. Class 2.

551,871. Thermostatically Operated Valves, Switches and Indicators for Use in Preventing Explosions in Air Compressors. Airseco, Paris, France.
Priority under Sec. 44(d). French Registration No. 413,935, filed Oct. 16, 1947.
Filed Feb. 28, 1948, Serial No. 550,766. Published Aug. 21, 1951. Class 26.

551,872. Paper Bags. Hudson Pulp & Paper Corporation, Portland, Maine, and New York, N. Y.
Filed Mar. 12, 1948, Serial No. 551,801. Published Sept. 11, 1951. Class 2.

551,873. Liquid Tight Food Cartons of Paper and Cardboard, Set-Up Paper Boxes, Cardboard Butter Plates, Paper and Cardboard Cups for Hot or Cold Liquid, and Transparent Plastic Cartons. Miro Container Company, Inc., Brooklyn, N. Y.
Filed Mar. 31, 1948, Serial No. 553,503. Published Sept. 11, 1951. Class 2.

551,874. Lunch Boxes, Lunch Kits, and Picnic Kits All Made of Sheet Metal and Sold Empty or With Vacuum Bottles Therein. Aladdin Industries, Incorporated, Chicago, Ill.
Filed Apr. 8, 1948, Serial No. 554,070. Published Sept. 18, 1951. Class 2.

551,875. Cranberry Sauce. Clement Pappas & Co., Cedarville, N. J.
Filed Apr. 21, 1948, Serial No. 555,192. Published Sept. 4, 1951. Class 46.

551,876. Canned Fruits—Namely, Apricots, Cherries, Fruits for Salad, Fruit Cocktail, Etc. Richmond-Chase Company, San Jose, Calif.
Filed May 10, 1948, Serial No. 556,656. Published Sept. 18, 1951. Class 46.

551,877. Blouses and Skirts. Nicole Sportswear, Inc., New York, N. Y.
Filed June 7, 1948, Serial No. 558,662. Published Sept. 25, 1951. Class 39.

551,878. Collapsible, Paperboard, Food Boxes. Grimlok Sales, Chicago, Ill.
Filed June 9, 1948, Serial No. 558,785. Published Sept. 11, 1951. Class 2.

551,879. Scaffolds and Ladders. Up-Right, Inc., Berkeley, Calif.
Filed June 14, 1948, Serial No. 559,191. Published Sept. 11, 1951. Class 50.

551,880. Periodical Publication. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich.
Filed May 13, 1948, Serial No. 559,459. Published Sept. 11, 1951. Class 38.

551,881. Cakes, Candy, Biscuits, Jam, Honey, Cocoa, Chocolate, Toffies. Soc. p. A. Besana, Milan, Italy.
Filed June 10, 1948, Serial No. 559,800. Published Sept. 18, 1951. Class 46.

551,882. Self-Rising Wheat Flour. Southeastern Mills, Inc., Rome, Ga.
Filed June 28, 1948, Serial No. 560,363. Published Oct. 2, 1951. Class 46.

551,883. Toffees. Walters' "Palm" Toffee Limited, London, England.
Filed July 2, 1948, Serial No. 560,669. Published Sept. 4, 1951. Class 46.

551,884. Motor Operated Production Control Machine With Movable Indicators and Adapted To Hold a Gantt Chart for Maintaining and Visually Indicating Inventory and Production Information. The Spiral Manufacturing Corporation, Chicago, Ill.
Filed July 30, 1948, Serial No. 562,585. Published Aug. 14, 1951. Class 26.

551,885. House Organ. Kalamazoo Vegetable Parchment Co., Parchment, Mich.
Filed Aug. 11, 1948, Serial No. 563,190. Published Aug. 28, 1951. Class 38.

551,886. Collapsible Storage Chests, Wardrobe Box Bags, Storage Bags, and Storage Box Bags, All Made of Paper. Manahan Moth Paper Company, New York and Brooklyn, N. Y.
Filed Aug. 19, 1948, Serial No. 563,747. Published Sept. 18, 1951. Class 2.

551,887. Hair Dressing. Valentine Laboratories, Inc., Chicago, Ill.
Filed Aug. 26, 1948, Serial No. 564,227. Published Mar. 21, 1950. Class 51.

551,888. Electric Blankets, Lamp Shades, and Electrical Lighting Apparatus—Namely, Lighting Fixtures of the Wall and Ceiling Type for Fluorescent and Incandescent Lamps for Indoor and Outdoor Use, Floor Lamps, Table Lamps and Pinup Lamps. Sears, Roebuck and Co., Chicago, Ill.
Filed Mar. 31, 1951, Serial No. 612,091. Published Sept. 25, 1951. Class 21.

551,889. Men's Trousers. Louis Lesnick and Son, Philadelphia, Pa.
Filed Sept. 24, 1948, Serial No. 565,789. Published July 10, 1951. Class 39.

551,890. Expansible Fluid Thermal Elements—Namely, Bellows Type Thermostats for Controlling the Temperature of Brooders or Incubators. Robertshaw-Fulton Controls Company, Greensburg, Pa.
Filed Sept. 27, 1948, Serial No. 565,966. Published Aug. 21, 1951. Class 26.

551,891. Scaffolding, Clips and Putlogs for Use Therewith; Props and Trestles; All for Use in Building and Construction. Acrow (Engineers) Limited, London, England.
Filed Oct. 5, 1948, Serial No. 566,445. Published Sept. 11, 1951. Class 50.

551,892. Ointments Applicable to the Skin, Rectum, and Other Parts of the Human Body. Warren Paul Rieth, Malden, Mass., assignor to Mantaug Ointment Co., Inc., Malden, Mass., a corporation of Massachusetts.
Filed Oct. 12, 1948, Serial No. 566,889. Published Aug. 28, 1951. Class 18.

551,893. Apparatus for Automatically Inflating a Container to a Predetermined Pressure. John Wood Manufacturing Company, Inc., New York, N. Y., and Muskegon Heights, Mich.
Filed Oct. 27, 1948, Serial No. 567,729. Published Aug. 21, 1951. Class 26.

551,894. Medicinal Preparation Having as Active Ingredients Calcium Succinate and Acetylsalicylic Acid for Treatment of Arthritis and Rheumatism. Aspirin Company of America, New York, N. Y., assignor to American Pharmaceutical Company, New York, N. Y., a corporation of New Jersey.
Filed Oct. 28, 1948, Serial No. 567,748. Published Sept. 18, 1951. Class 18.

551,895. Canned Foods—Namely, Tomatoes, Tomato Catsup, Etc. Vincennes Packing Corporation, Vincennes, Ind.
Filed Nov. 3, 1948, Serial No. 568,130. Published Apr. 10, 1951. Class 46.

551,896. Round Containers Formed of Fibrous Material, for Hot and Cold Foods. Oswego Falls Corporation, Fulton, N. Y.
Filed Nov. 20, 1948, Serial No. 569,171. Published Sept. 11, 1951. Class 2.

551,897. Periodical. California Packing Corporation, San Francisco, Calif.
Filed Jan. 12, 1949, Serial No. 572,014. Published Aug. 28, 1951. Class 38.

551,898. Wire Springs for Upholstered Furniture. The Universal Wire Spring Company, Cleveland, Ohio.
Filed Jan. 19, 1949, Serial No. 572,469. Published Aug. 28, 1951. Class 32.

551,899. Metal Swinging Sectional Cabinets Mounted on the Rear of a Door for Providing Storage Space. Du-List Products Corporation, New York, N. Y.
Filed Feb. 9, 1949, Serial No. 573,533. Published Sept. 4, 1951. Class 32.

551,900. Women's and Children's Hosiery, Including Anklets. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 10, 1949, Serial No. 573,685. Published Sept. 11, 1951. Class 39.

551,901. Hair Rinses and Shampoos. Golden Glint Company, Seattle, Wash.
Filed Feb. 12, 1949, Serial No. 573,764. Published Aug. 21, 1951. Class 51.

551,902. Sweaters. Catalina, Inc., Los Angeles, Calif.
Filed Mar. 12, 1949, Serial No. 575,326. Published Sept. 11, 1951. Class 39.

551,903. Photographic, Photoengraving and Photomechanical Supplies, Etc. Chemco Photoproducts Company, Inc., Glen Cove, N. Y.
Filed Mar. 22, 1949, Serial No. 575,839. Published Oct. 2, 1951. Class 4.

551,904. Metal Powder and Metal Powder Mixtures, Etc. Wolfram & Molybdene Société Anonyme, Nyon, Switzerland.
Filed Mar. 31, 1949, Serial No. 577,846. Published Jan. 16, 1951. Class 14.

551,905. Paper Bags. Sheridan-Clayton Paper Company, St. Joseph, Mo.
Filed May 4, 1949, Serial No. 578,227. Published Aug. 28, 1951. Class 2.

551,906. Perfumes and Toilet Waters. Nettie Tracer, doing business as Nettie Tracer Cosmetics, New York, N. Y.
Filed May 17, 1949, Serial No. 579,151. Published Aug. 28, 1951. Class 51.

551,907. Paprika. Clemente Garcia Sirera, Murcia, Spain.
Filed May 24, 1949, Serial No. 579,397. Published Aug. 28, 1951. Class 46.

551,908. Self Coupling Three-Wheeled Truck for Trailers. Temperleys Haslehust & Co., Inc., New York, N. Y.
Filed June 10, 1949, Serial No. 580,266. Published Aug. 21, 1951. Class 19.

551,909. Self Coupling Three-Wheeled Truck for Trailers. Temperleys Haslehust & Co., Inc., New York, N. Y.
Filed June 10, 1949, Serial No. 580,267. Published Aug. 21, 1951. Class 19.

551,910. Bodies for Trucks and Trailers. Wilco, Incorporated, Kenton, Ohio.
Filed June 11, 1949, Serial No. 580,337. Published May 9, 1950. Class 19.

551,911. Infants' Underwear—Namely, Body Belts; Children's Coats, Jumpers, Etc. The Jaeger Company Limited, London, England.
Filed July 11, 1949, Serial No. 581,770. Published Sept. 11, 1951. Class 39.

551,912 Chemical Substances for Use in Industry—Namely, Thermoplastic Moldable Compositions Such as a Copolymer Derived From Acenophthylene and Any Other Accepted Monomer Such as Methyl Methacrylate, Vinyl Acetate, Butadiene, Maleic Anhydride, and the Like. Powell Duffryn Limited, London, England.
Filed July 23, 1949, Serial No. 582,421. Published Sept. 18, 1951. Class 6.

551,913. Merchandise Catalog Published Periodically. Belnap & Thompson, Inc., Chicago, Ill.
Filed Aug. 4, 1949, Serial No. 582,939. Published Sept. 11, 1951. Class 38.

551,914. Frozen Vegetables, Berries. California & Washington Co., San Francisco, Calif.
Filed Aug. 10, 1949, Serial No. 583,242. Published Aug. 21, 1951. Class 46.

551,915. Wire Rope. Broderick & Bascom Rope Company, St. Louis, Mo.
Filed Sept. 1, 1949, Serial No. 584,316. Published Sept. 18, 1951. Class 7.

551,916. Instructional Booklets and Lesson Sheets Issued in a Series. Monroe Calculating Machine Company, Inc., Orange, N. J.
Filed Sept. 1, 1949, Serial No. 584,341. Published Sept. 11, 1951. Class 38.

551,917. Venetian Blinds. Phil Kayman & Co., Chicago, Ill.
Filed Sept. 26, 1949, Serial No. 585,332. Published Aug. 28, 1951. Class 32.

551,918. Periodical Publications. World Editions, Inc., New York, N. Y.
Filed Oct. 26, 1949, Serial No. 586,898. Published Sept. 4, 1951. Class 38.

551,919. Collapsible, Corrugated Cardboard Preformed Packs for Use in Retaining and Shipping Bricks. Albany Corrugated Container Corporation, Cohoes, N. Y.
Filed Nov. 3, 1949, Serial No. 587,228. Published Sept. 11, 1951. Class 2.

551,920. Tobacco Pipes. H. Comoy & Co., Limited, London, England.
Filed Nov. 14, 1949, Serial No. 587,713. Published Sept. 25, 1951. Class 8.

551,921. Dishes of Fibre and Pulp. The Diamond Match Company, New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,279. Published Sept. 11, 1951. Class 2.

551,922. Towel Racks Made of Wood. Herman Nielsen, New York, N. Y.
Filed Nov. 26, 1949, Serial No. 588,380. Published Aug. 28, 1951. Class 32.

551,923. Display and Advertising Devices, Combining a Backing Sheet for Holding Gems, a Frame Therefor, and the Gems Themselves. The Gem-O-Graph Company, New York, N. Y., assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y.
Filed Dec. 1, 1949, Serial No. 588,640. Published Sept. 11, 1951. Class 50.

551,924. Collapsible Cigarette Holder. Hargo Sales Corp., New York, N. Y.
Filed Dec. 16, 1949, Serial No. 589,444. Published Sept. 18, 1951. Class 8.

551,925. Liquid Creme Shampoo. The Toni Company, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware.
Filed Dec. 17, 1949, Serial No. 589,536. Published Sept. 25, 1951. Class 52.

551,926. Tool in the Nature of a Stethoscope Used by Mechanics for Locating Motor Troubles by Identifying Sounds Caused by Worn or Defective Parts. The Bingham-Herbrand Corporation, Toledo and Fremont, Ohio.
Filed Dec. 20, 1949, Serial No. 589,626. Published Aug. 14, 1951. Class 26.

551,927. Plastic Film in Sheet Form Which Is a Substitute for Leather for Making Into Luggage, Belts, Handbags, Upholstery, and the Like. Kaye-Tex Manufacturing Corp., New York, N. Y.
Filed Dec. 30, 1949, Serial No. 590,160. Published Sept. 11, 1951. Class 50.

551,928. Textile Fabrics in the Piece, Composed of Nylon, Cotton, Rayon, Wool, and Silk or Combinations Thereof, Chemically Treated To Increase Resiliency, Crease Resistancy, Moth Resistancy, and Color Fastness. Mandee Fabrics, Inc., New York, N. Y.
Filed Jan. 25, 1950, Serial No. 591,428. Published Sept. 18, 1951. Class 42.

551,929. Macaroni. Fort Worth Macaroni Company, Fort Worth, Tex.
Filed Jan. 27, 1950, Serial No. 591,563. Published Aug. 7, 1951. Class 46.

551,930. Spaghetti and Egg Noodles. Fort Worth Macaroni Company, Fort Worth, Tex.
Filed Jan. 27, 1950, Serial No. 591,564. Published Aug. 21, 1951. Class 46.

551,931. Fungicide for the Treatment of Athletes Foot. Emanuel Bondi, doing business under the firm name of Imperial Pharmacal Co., Richmond Hill, N. Y.
Filed Feb. 8, 1950, Serial No. 592,120. Published Aug. 7, 1951. Class 18.

551,932. Smokers' Articles Made of Glass, Ceramics, or Metals, With or Without Leather or Imitation Leather Trimming—Namely, Cigarette Cases, Cigarette Boxes, and Ash Trays. Raymond Brenner Inc., also trading as Raymond Brenner, Youngstown, Ohio.
Filed Feb. 14, 1950, Serial No. 592,415. Published Sept. 25, 1951. Class 8.

551,933. Photographic, Photoengraving, and Photomechanical Supplies—Namely, Engravers' Burnishing Charcoal, Abrasive, and Polishing Powder Compositions, Powdered Pumice and Impregnated Felt Polishing Pads. Chemco Photoproducts Company, Inc., Glen Cove, N. Y.
Filed Feb. 16, 1950, Serial No. 592,545. Published Oct. 2, 1951. Class 4.

551,934. Periodical Publication. National Association of Sanitarians, Los Angeles, Calif.
Filed Feb. 6, 1950, Serial No. 592,682. Published Sept. 11, 1951. Class 38.

551,935. Floor Polishing Wax. Trio Chemical Works, Inc., Brooklyn, N. Y.
Filed Feb. 21, 1950, Serial No. 592,852. Published Oct. 2, 1951. Class 4.

551,936. Manufactured Flags. Annin & Co., New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,521. Published Sept. 4, 1951. Class 50.

551,937. Plastic Composition Floor Covering Sold in Tiles. Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,528. Published Sept. 11, 1951. Class 20.

551,938. Prefabricated Boats Made of Plywood and the Like for Propulsion by Outboard Motors. Ozarka, Incorporated, Woodstock, Ill.
Filed Mar. 9, 1950, Serial No. 593,680. Published Aug. 14, 1951. Class 19.

551,939. Wheat Flour. Pillsbury Mills, Inc., Minneapolis, Minn.
Filed Mar. 22, 1950, Serial No. 594,399. Published Sept. 4, 1951. Class 46.

551,940. Wheat Flour. Pillsbury Mills, Inc., Minneapolis, Minn.
Filed Mar. 22, 1950, Serial No. 594,400. Published Sept. 4, 1951. Class 46.

551,941. Potatoes in the Raw State. Edward H. Anderson & Co. Inc., Chicago, Ill.
Filed Mar. 23, 1950, Serial No. 594,433. Published July 3, 1951. Class 46.

551,942. Trading Stamps. Gunn Brothers, a corporation of Texas, Amarillo, Tex., assignee of Gunn Brothers, a firm.
Filed Mar. 31, 1950, Serial No. 594,967. Published Sept. 4, 1951. Class 38.

551,943. Gloves and Mittens of Leather, Fabric, and Combinations Thereof. Robert E. Smith, New York, N. Y., assignor to Kagran Corporation, New York, N. Y., a corporation of New York.
Filed Mar. 31, 1950, Serial No. 595,003. Published Sept. 25, 1951. Class 39.

551,944. Pneumatic Tire Vulcanizing Units. Technical Rubber Co., Johnstown, Ohio.
Filed Apr. 5, 1950, Serial No. 595,292. Published Sept. 18, 1951. Class 35.

551,945. Living Room Furniture—Namely, Upholstered Chairs, Sofas, and Divans, and Nonupholstered Chairs. Empire Parlor Furniture Co., Chelsea, Mass.
Filed Apr. 7, 1950, Serial No. 595,370. Published Apr. 10, 1951. Class 32.

551,946. Tool Steel, Alloy Steel, and Alloy Tool Steel. Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., and elsewhere throughout the United States of America.
Filed Apr. 13, 1950, Serial No. 595,645. Published Oct. 31, 1950. Class 14.

551,947. Airplanes and Airplane Structural Parts. Bellanca Aircraft Corporation, New Castle, Del.
Filed Apr. 19, 1950, Serial No. 595,936. Published Aug. 21, 1951. Class 19.

551,948. Plastic Floor Coverings in the Nature of Linoleum. James Halstead Limited, Whitefield, Manchester, England.
Filed Apr. 22, 1950, Serial No. 596,164. Published Sept. 11, 1951. Class 20.

551,949. Magazine. A. R. Mueller, doing business as A. R. Mueller Printing & Lithograph Co., Cleveland, Ohio.
Filed Apr. 26, 1950, Serial No. 596,353. Published Sept. 25, 1951. Class 38.

551,950. Pillows. Purofied Down Products Corporation, New York, N. Y.
Filed May 3, 1950, Serial No. 596,801. Published Aug. 28, 1951. Class 32.

551,951. Monthly Publications. Marvin-Neitzel Corporation, Troy, N. Y.
Filed May 12, 1950, Serial No. 597,345. Published Sept. 11, 1951. Class 38.

551,952. Periodical Publication. Foster Wheeler Corporation, New York, N. Y.
Filed May 13, 1950, Serial No. 597,425. Published Sept. 25, 1951. Class 38.

551,953. Home Hair Coloring. Bymart, Inc., Dover, Del., and New York, N. Y.
Filed May 16, 1950, Serial No. 597,499. Published Sept. 4, 1951. Class 51.

551,954. Perfume, Cologne, Toilet Water, Brilliantine, Lotion for Hands, Skin, and Face. Clersanges, Société à Responsabilité Limitée, Colombes, France.
Filed May 18, 1950, Serial No. 597,666. Published Sept. 11, 1951. Class 51.

551,955. Attachment for a Projector for Tachistoscopic Training, the Attachment Device Enabling the Operator To Flash-Slide and Film-Strip Materials on a Screen at a Predetermined Speed. Society for Visual Education, Inc., Chicago, Ill.
Filed May 25, 1950, Serial No. 598,112. Published Aug. 21, 1951. Class 26.

551,956. Brochure of Facts and Material Pertaining to Safety and Safety Appliances Published From Time to Time. United States Safety Service Co., Kansas City, Mo.
Filed June 5, 1950, Serial No. 598,619. Published Sept. 25, 1951. Class 38.

551,957. Preparation for Grooming the Hair. Arthur B. Gruver, Wilmington, Del.
Filed June 9, 1950, Serial No. 598,850. Published Aug. 7, 1951. Class 51.

551,958. Slide Attachment for Projectors. Society for Visual Education, Inc., Chicago, Ill.
Filed June 13, 1950, Serial No. 599,027. Published Aug. 21, 1951. Class 26.

551,959. Gauge To Show the Condition of the Cooling System of a Motor Vehicle. Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass.
Filed June 13, 1950, Serial No. 599,036. Published Aug. 21, 1951. Class 26.

551,960. Piece Goods—Namely, Taffeta of Synthetic Fibers and Mixtures Thereof. Chopak-Solow Corp., New York, N. Y.
Filed June 16, 1950, Serial No. 599,226. Published Sept. 18, 1951. Class 42.

551,961. Piece Goods, Including Canvas, Flannel, Gabardine, Netting, and Knitted Fabrics, of Wool, Worsted, Cotton, Silk, Linen, and Synthetic Fibers; Elastic Webbing, Blankets, Bed Sheets and Sheeting, Shower and Window Curtains, and Textile Carpets. Bernhard Altmann, New York, N. Y.
Filed June 17, 1950, Serial No. 599,302. Published Sept. 18, 1951. Class 42.

551,962. Weekly Publication. Nathan Sherman, Philadelphia, Pa.
Filed June 28, 1950, Serial No. 599,904. Published Sept. 4, 1951. Class 38.

551,963. Artificial Fish Lures. J. B. Wood, doing business under the trade name of Wood Manufacturing Co., El Dorado, Ark.
Filed June 28, 1950, Serial No. 599,915. Published Sept. 25, 1951. Class 22.

551,964. Cream Foundation, Cleansing Cream, Skin Lotion, Personal Deodorant, Rouge, Face Powder, Lipstick, and Perfume. Peggy Leonard, Ltd., Hollywood, Calif.
Filed July 18, 1950, Serial No. 600,837. Published Sept. 4, 1951. Class 51.

551,965. Electrically Lighted Eye Shields Attached to Machines for Protecting the Eyes of Workmen From Dust and Flying Particles, and Electrically Lighted Magnifiers. The Stanley Works, New Britain, Conn.
Filed July 18, 1950, Serial No. 600,856. Published Aug. 21, 1951. Class 26.

551,966. Canned Fish. Amieux-Maroc, Casablanca, French Morocco.
Filed July 19, 1950, Serial No. 600,873. Published Aug. 28, 1951. Class 46.

551,967. Fish Hook Especially Adapted To Carry Various Types of Bait. Anderson and Johnson, Chicago, Ill.
Filed July 20, 1950, Serial No. 600,940. Published Sept. 25, 1951. Class 22.

551,968. All Purpose Cosmetic Cream for External Application. Veto Melfi, Jamaica, N. Y.
Filed July 27, 1950, Serial No. 601,331. Published Aug. 7, 1951. Class 51.

551,969. Felt Base, Linoleum, and Composition Floor Coverings and Rugs, not Woven. Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y.
Filed July 28, 1950, Serial No. 601,349. Published Sept. 11, 1951. Class 20.

551,970. Monthly Magazine. Macfadden Publications, Inc., New York, N. Y.
Filed Aug. 2, 1950, Serial No. 601,634. Published Sept. 25, 1951. Class 38.

551,971. Refrigeration Packaging Products—Namely, Aluminum Wrapping Foil. International Harvester Company, Chicago, Ill.
Filed Aug. 5, 1950, Serial No. 601,800. Published Sept. 4, 1951. Class 14.

551,972. Printed Instruction Leaflets. The Spool Cotton Company, New York, N. Y.
Filed Aug. 5, 1950, Serial No. 601,811. Published Sept. 25, 1951. Class 38.

551,973. Motor Propelled Dirt Hauling and Dumping Vehicles. Koehring Company, Milwaukee, Wis.
Filed Aug. 8, 1950, Serial No. 601,925. Published July 24, 1951. Class 19.

551,974. Candy, Candied and Chocolate Covered Nuts; Candied Fruits, Candied Dates, Candied Figs; Salted and Unsalted Nuts; Cookies and Biscuits. Barricini, Inc., New York and Long Island City, N. Y.
Filed Aug. 10, 1950, Serial No. 602,018. Published Sept. 4, 1951. Class 46.

551,975. Women's Hosiery. Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C.
Filed Aug. 14, 1950, Serial No. 602,139. Published Sept. 11, 1951. Class 39.

551,976. Cloth in the Piece Made of Worsted, Wool, Mohair, Camels Hair, Alpaca, Silk, Rayon, or Cotton and Combinations Thereof. Fruit of the Loom, Inc., Providence, R. I.
Filed Aug. 24, 1950, Serial No. 602,684. Published Sept. 18, 1951. Class 42.

551,977. Electrically Operated Combined Combustible Gas Indicator and Detector for Use on Motor Boats. Johnson-Williams, Ltd., Palo Alto, Calif.
Filed Aug. 24, 1950, Serial No. 602,700. Published Aug. 21, 1951. Class 26.

551,978. Motorcycles, Bicycles, and Tricycles for Adults and Component Parts Thereof—Namely, Frames, Hubs, Handlebars, Front Forks, Wheels, Rims, Spokes, Cranks, and Pedals, Saddle Pillars, Hub Brakes, Rim Brakes, Mudguards, and Carrier Brackets. J. A. Phillips & Company, Limited, Birmingham, England.
Filed Aug. 25, 1950, Serial No. 602,773. Published Aug. 21, 1951. Class 19.

551,979. Dry Cleaning Garment Finisher Used for Steaming, Drying, and Inspecting Garments Which Have Been Dry Cleaned. Samuel L. Rubin, doing business as Artko Mfrs., Chicago, Ill.
Filed Aug. 25, 1950, Serial No. 602,779. Published Sept. 25, 1951. Class 24.

551,980. Perfume. Parfums Ciro, Inc., New York, N. Y.
Filed Aug. 28, 1950, Serial No. 602,853. Published Sept. 4, 1951. Class 51.

551,981. Flexible Plastic Pipe and Tubing, and Flexible Pipe Fittings Made Entirely or in Part of Plastic Material. Johnson Plastic Corporation, Middlefield, Ohio.
Filed Sept. 1, 1950, Serial No. 603,063. Published Sept. 18, 1951. Class 35.

551,982. Ladies' Gowns, Slips, Panties, Half Slips, Chemises, Bedjackets, Negligees, Peignoirs, and Blouses, and Children's Dresses and Undergarments. A. N. Saab Co., Inc., New York, N. Y.
Filed Sept. 2, 1950, Serial No. 603,130. Published Sept. 25, 1951. Class 39.

551,983. Automobile Accessory in the Form of an Adjustable Platform for Installation in the After Passenger Compartment of an Automobile and Usable Optionally as a Desk, Table, or Child's Play-Pen. Walter J. Titley, doing business as Linne Products Company, Santa Monica, Calif.
Filed Sept. 6, 1950, Serial No. 603,212. Published July 24, 1951. Class 19.

551,984. Perfume Compounds and Synthetic Aromatic Flavoring To Be Used for Cosmetic Purposes. Shulton, Inc., Clifton, N. J., and New York, N. Y.
Filed Sept. 7, 1950, Serial No. 603,259. Published Aug. 14, 1951. Class 51.

551,985. Bituminous Coal. Garland Coal Company, Knoxville, Tenn.
Filed Sept. 8, 1950, Serial No. 603,292. Published Aug. 28, 1951. Class 1.

551,986. Table Syrup. Penick & Ford, Ltd., Incorporated, New York, N. Y.
Filed Sept. 8, 1950, Serial No. 603,305. Published July 17, 1951. Class 46.

551,987. Linoleum, Felt Base Linoleum, and Linoleum Rugs. Empire Carpet Corporation, New York, N. Y.
Filed Aug. 26, 1950, Serial No. 603,512. Published Aug. 28, 1951. Class 20.

551,988. Rugs and Carpets Having a Cotton Pile. Waite Carpet Co., Oshkosh, Wis.
Filed Sept. 13, 1950, Serial No. 603,623. Published Sept. 18, 1951. Class 42.

551,989. Adjustable Full Length Body Conforming Lounge. Original Products Corporation, Miami Beach, Fla.
Filed Sept. 18, 1950, Serial No. 603,697. Published Aug. 28, 1951. Class 32.

551,990. Convertible Carriage and Stroller. Thayer, Inc., Gardner, Mass.
Filed Sept. 18, 1950, Serial No. 603,704. Published July 24, 1951. Class 19.

551,991. Facial Masks Coated With a Cosmetic Preparation. Dotty Products, Milwaukee, Wis.
Filed Sept. 20, 1950, Serial No. 603,773. Published Aug. 7, 1951. Class 51.

551,992. Row Boats and Outboard Motor Boats. Belknap Hardware and Manufacturing Company, Louisville, Ky.
Filed Sept. 22, 1950, Serial No. 603,873. Published July 24, 1951. Class 19.

551,993. Chairs. Bell Manufacturing Company, San Francisco, Calif.
Filed Sept. 22, 1950, Serial No. 603,979. Published Aug. 28, 1951. Class 32.

551,994. Projection Screens, Copy and Enlarger Stands Specially Made for Photographic Use, Etc. Penn Camera Exchange, Inc., New York, N. Y.
Filed Oct. 6, 1950, Serial No. 604,541. Published Aug. 14, 1951. Class 26.

551,995. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Oct. 7, 1950, Serial No. 604,563. Published Sept. 18, 1951. Class 42.

551,996. Metal Stampings Made to Specification and Metal Spinnings Made to Specification. Nelson Manufacturing Corporation, Pontiac, Mich.
Filed Oct. 10, 1950, Serial No. 604,701. Published Sept. 4, 1951. Class 14.

551,997. Canned Tomatoes and Sweet Potatoes. Delta Food Packers, Inc., Hammonton, N. J.
Filed Oct. 12, 1950, Serial No. 604,773. Published Sept. 25, 1951. Class 46.

551,998. Preparation for Relief of Sciatica, Rheumatism, and Neuritis. George Owens, Chicago, Ill.
Filed Oct. 12, 1950, Serial No. 604,799. Published Aug. 7, 1951. Class 18.

551,999. Chairs, Sofas, Credenzas, Sideboards, Dining Room Cabinets and Side Tables Also Known as Servers, End Tables, Etc. B. Altman & Co., New York, N. Y.
Filed Oct. 14, 1950, Serial No. 604,893. Published Aug. 28, 1951. Class 32.

552,000. Hosiery for Women and Girls. Seymour Hosiery Company, Newark, N. J.
Filed Oct. 18, 1950, Serial No. 605,122. Published Sept. 11, 1951. Class 39.

552,001. Gasoline. The Atlantic Refining Company, Philadelphia, Pa.
Filed Oct. 19, 1950, Serial No. 605,134. Published July 17, 1951. Class 15.

552,002. Food Sauce Composed of Fruit Preserves, Horse-Radish, Selected Spices, Wine and Salt, To Be Used on Meats and Salads. Berenee Co., Brooklyn, N. Y.
Filed Oct. 25, 1950, Serial No. 605,401. Published Sept. 4, 1951. Class 46.

552,003. Furniture—Namely, Clothes Racks and Display Racks. Berkeley Industries, Jersey City, N. J.
Filed Oct. 30, 1950, Serial No. 605,575. Published Aug. 28, 1951. Class 32.

552,004. Crossword Puzzle Publication Issued From Time to Time. Wallace R. Parnell, doing business as Canterbury Press, Hollywood, Calif.
Filed Oct. 31, 1950, Serial No. 605,675. Published Sept. 18, 1951. Class 38.

552,005. Pillows. Irene A. Biele, Newark, N. J.
Filed Nov. 1, 1950, Serial No. 605,714. Published Aug. 21, 1951. Class 32.

552,006. Rule. Dall, Inc., Minneapolis, Minn.
Filed Nov. 1, 1950, Serial No. 605,731. Published Aug. 14, 1951. Class 26.

552,007. Undergarments for Feminine Wear—Namely, Foundation Garments, Panties, and Brassières. Marian Halstead, Washington, D. C.
Filed Nov. 1, 1950, Serial No. 605,739. Published Sept. 25, 1951. Class 39.

552,008. Piece Goods of Synthetic Fibers. Sheraton Mills, Inc., New York, N. Y.
Filed Nov. 4, 1950, Serial No. 605,920. Published Sept. 18, 1951. Class 42.

552,009. Piece Goods of Synthetic Fibers. Sheraton Mills, Inc., New York, N. Y.
Filed Nov. 4, 1950, Serial No. 605,921. Published Sept. 18, 1951. Class 42.

552,010. Foam Rubber Pillows. American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y.
Filed Nov. 7, 1950, Serial No. 605,980. Published Aug. 21, 1951. Class 32.

552,011. Skin Creams, Sun Tan Oil, Skin Lotions, Dentifrices, Hair Tonics, and Hair Oils. Huenelator Corporation, Beverly Hills, Calif.
Filed Nov. 7, 1950, Serial No. 606,017. Published Aug. 28, 1951. Class 51.

552,012. Sewing and Darning Machines and Parts Thereof. Brütsch & Co., Zurich, Switzerland.
Filed Nov. 8, 1950, Serial No. 606,071. Published July 3, 1951. Class 23.

552,013. Cameras and Field Glasses. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,127. Published Aug. 21, 1951. Class 26.

552,014. Truck Body Platforms and Truck Bodies. Electrographic Corporation, New York, N. Y., doing business as Mid-West Body & Mfg. Division, Electrographic Corporation, Paris, Ill.
Filed Nov. 14, 1950, Serial No. 606,372. Published Aug. 14, 1951. Class 19.

552,015. Cigarette Lighter Flints. American Safety Razor Corporation, Brooklyn, N. Y.
Filed Nov. 16, 1950, Serial No. 606,449. Published Sept. 25, 1951. Class 8.

552,016. Beach and Garden Umbrellas. Finkel Outdoor Products, Inc., New York, N. Y.
Filed Nov. 18, 1950, Serial No. 606,602. Published Aug. 21, 1951. Class 32.

552,017. Felt Base Floor Coverings. New London Mills, Inc., New London, Conn.
Filed Nov. 18, 1950, Serial No. 606,627. Published Sept. 4, 1951. Class 20.

552,018. Trading Stamps. American Trading Stamp Company, Lincoln, Nebr., and elsewhere.
Filed Nov. 24, 1950, Serial No. 606,846. Published Sept. 11, 1951. Class 38.

552,019. Mattresses and Box Springs. Beverly Mattress Co., Inc., Salem, Mass.
Filed Nov. 24, 1950, Serial No. 606,849. Published Aug. 21, 1951. Class 32.

552,020. Sensitized Paper for Light-Printing and Development To Produce a Positive Print Through Moist Development. The Frederick Post Company, Chicago, Ill.
Filed Nov. 24, 1950, Serial No. 606,860. Published Aug. 21, 1951. Class 26.

552,021. Canned Fruit, Canned Vegetables, Canned Salmon; Canned Seafood — Namely, Clams and Oysters; Pickles, Olives, and Canned Tomato Sauce. Mason, Ehrman & Co., Portland, Oreg.
Filed Nov. 24, 1950, Serial No. 606,876. Published Sept. 4, 1951. Class 46.

552,022. Correspondence School Lessons. Acme School of Die Design Engineering, Inc., South Bend, Ind.
Filed Nov. 27, 1950, Serial No. 606,961. Published Sept. 11, 1951. Class 38.

552,023. Women's, Misses', and Juniors' Ready-To-Wear Clothing—Namely, Dresses, Suits, Coats, Jackets, Skirts, Sweaters, Jumpers, Slacks, Culottes and Play Suits; Pajamas, Bath Robes, and Lounging Robes. Bettermade Garment Company, Los Angeles, Calif.
Filed Nov. 28, 1950, Serial No. 607,000. Published Sept. 25, 1951. Class 39.

552,024. Mechanical Calculator for Calculating the Various Factors, Such as Rates, Percentages, Taxes, Etc., in Wage Payments. Graphic Calculator Company, Chicago, Ill.
Filed Nov. 28, 1950, Serial No. 607,017. Published Aug. 21, 1951. Class 26.

552,025. Mascara. Richard Hudnut, New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,025. Published Sept. 4, 1951. Class 51.

552,026. Hair Rinse. Richard Hudnut, New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,026. Published Sept. 4, 1951. Class 51.

552,027. Slab Zinc. The New Jersey Zinc Company, New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,037. Published Sept. 4, 1951. Class 14.

552,028. Photographs Having Third Dimensional Qualities. Sculpto-foto, Inc., Chicago, Ill.
Filed Nov. 28, 1950, Serial No. 607,046. Published Sept. 4, 1951. Class 38.

552,029. Window Curtains. Bartmann & Bixer, Inc., New York, N. Y.
Filed Nov. 30, 1950, Serial No. 607,112. Published Sept. 18, 1951. Class 42.

552,030. Newspaper Column. Elizabeth A. Granger, Sea Cliff, N. Y.
Filed Nov. 30, 1950, Serial No. 607,123. Published Sept. 4, 1951. Class 38.

552,031. Pure Vanilla Extract, Pure Wintergreen Extract, Pure Orange Extract, Etc. The Styron-Beggs Company, Newark, Ohio.
Filed Dec. 4, 1950, Serial No. 607,270. Published Aug. 21, 1951. Class 46.

552,032. Toiletries—Namely, Dusting Powder and Eau de Cologne and Perfume. Marie Barker Co., St. Louis, Mo.
Filed Dec. 8, 1950, Serial No. 607,413. Published Aug. 28, 1951. Class 51.

552,033. Steel Bars. Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., now by merger and change of name United States Steel Company, a corporation of New Jersey.
Filed Dec. 8, 1950, Serial No. 607,420. Published Sept. 4, 1951. Class 14.

552,034. Series of Motion Picture Photoplays. Flying A Pictures, Inc., Los Angeles, Calif.
Filed Dec. 12, 1950, Serial No. 607,584. Published Aug. 21, 1951. Class 26.

552,035. Canned Tomatoes. Walter A. Hallauer, doing business as Wapato Packing Company, Wapato, Wash.
Filed Dec. 18, 1950, Serial No. 607,807. Published Aug. 28, 1951. Class 46.

552,036. Lawn Seeds. Robert S. Burge, doing business as S. W. Flower Company, Toledo, Ohio.
Filed Dec. 19, 1950, Serial No. 607,843. Published Sept. 11, 1951. Class 1.

552,037. Furniture Seat or Bench. The Hitchcock Chair Company, Riverton, Conn.
Filed Dec. 22, 1950, Serial No. 608,001. Published Sept. 4, 1951. Class 32.

552,038. Printed Photographs on Baked Translucent Plastic. Scientific Photo Corp., Queens Village, N. Y.
Filed Dec. 23, 1950, Serial No. 608,046. Published Sept. 25, 1951. Class 38.

552,039. Bentonite. Benton Clay Co., Casper, Wyo.
Filed Dec. 26, 1950, Serial No. 608,054. Published Sept. 11, 1951. Class 1.

552,040. Propeller Wheels. Stannus Propeller Company, Detroit, Mich.
Filed Dec. 26, 1950, Serial No. 608,091. Published Aug. 14, 1951. Class 19.

552,041. Bibles. A. J. Holman Company, Philadelphia, Pa.
Filed Dec. 27, 1950, Serial No. 608,112. Published Sept. 25, 1951. Class 38.

552,042. Comic Strips in Comic Magazines. Terrytoons, Inc., New Rochelle, N. Y.
Filed Dec. 27, 1950, Serial No. 608,130. Published Sept. 25, 1951. Class 38.

552,043. Solder. Alpha Metals, Inc., Brooklyn, N. Y.
Filed Dec. 28, 1950, Serial No. 608,139. Published Sept. 4, 1951. Class 14.

552,044. Plant Stands. Bandwagon Manufacturing, Inc., Boston, Mass.
Filed Dec. 30, 1950, Serial No. 608,234. Published Sept. 4, 1951. Class 32.

552,045. Bags Made of Glassine, Vegetable Parchment, Cellulose Film, or Waxed Paper. Joe Lowe Corporation, New York, N. Y.
Filed Jan. 2, 1951, Serial No. 608,280. Published Sept. 11, 1951. Class 2.

552,046. Mine Cars, Industrial Cars, Kiln Cars and Tram Cars. Irwin Foundry & Mine Car Company, Irwin, Pa.
Filed Jan. 3, 1951, Serial No. 608,311. Published Aug. 21, 1951. Class 19.

552,047. Mine Cars, Industrial Cars, Kiln Cars, and Tram Cars. Irwin Foundry & Mine Car Company, Irwin, Pa.
Filed Jan. 3, 1951, Serial No. 608,312. Published Aug. 21, 1951. Class 19.

552,048. Power Operated Warehouse or Industrial Trucks Which Transport or Pull Loads. Clark Equipment Company, Buchanan, Mich.
Filed Jan. 5, 1951, Serial No. 608,409. Published Aug. 21, 1951. Class 19.

552,049. Brake Lining. The Anchor Packing Company, Philadelphia, Pa.
Filed Jan. 10, 1951, Serial No. 608,587. Published Sept. 18, 1951. Class 35.

552,050. Water Pump Seals. Schwitzer-Cummins Company, Indianapolis, Ind.
Filed Jan. 11, 1951, Serial No. 608,679. Published Sept. 18, 1951. Class 35.

552,051. Frequency Meters, Tachometers, Random Pulse Counters, Electric Pulse Rate Counters, and Electronic Counters. Berkeley Scientific Corporation, Richmond, Calif.
Filed Jan. 15, 1951, Serial No. 608,778. Published Aug. 14, 1951. Class 26.

552,052. Heat Actuated Thermostats and Sprinkler System Control Thermostats Which Are Pneumatic and/or Electric. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio.
Filed Jan. 17, 1951, Serial No. 608,853. Published Aug. 21, 1951. Class 26.

552,053. Shaving Creme. Associated Products, Inc., Chicago, Ill.
Filed Jan. 18, 1951, Serial No. 608,911. Published Sept. 4, 1951. Class 51.

552,054. Fresh Citrus Fruits. Wm. G. Roe & Sons, Winter Haven, Fla.
Filed Jan. 18, 1951, Serial No. 608,951. Published Oct. 2, 1951. Class 46.

552,055. Bicycles and Motorized Bicycles. Cyclemaster Limited, South Kensington, London, England.
Filed Jan. 30, 1951, Serial No. 609,400. Published Aug. 21, 1951. Class 19.

552,056. Face Cream. Barbara Gould, Inc., New York, N. Y.
Filed Feb. 2, 1951, Serial No. 609,548. Published Aug. 28, 1951. Class 51.

552,057. Cologne, Toilet Water, Perfume, Face Powder, and Lipstick. Germaine Monteil Parfums Co., New York, N. Y.
Filed Feb. 7, 1951, Serial No. 609,722. Published Aug. 28, 1951. Class 51.

552,058. Ladies' and Misses' Camisoles, Petticoats, Slips, and Nightgowns. Rhythm Lingerie, Inc., New York, N. Y.
Filed Feb. 7, 1951, Serial No. 609,740. Published Sept. 18, 1951. Class 39.

552,059. Women's Slips. S & Z Manufacturing Co., Chicago, Ill.
Filed Feb. 24, 1951, Serial No. 610,500. Published Sept. 25, 1951. Class 39.

552,060. Cotton Piece Goods. Milton C. Blum, Inc., New York, N. Y.
Filed Mar. 6, 1951, Serial No. 610,887. Published Sept. 18, 1951. Class 42.

552,061. Toy Gift Stockings Designed To Hold Toys and Gifts. Ann E. Mohr, New York, N. Y.
Filed Mar. 15, 1951, Serial No. 611,366. Published Sept. 25, 1951. Class 22.

552,062. Bowling Bags. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed May 8, 1951, Serial No. 613,629. Published Sept. 25, 1951. Class 22.

552,063. Appliances Used in Fishing—Namely, Fishing Hooks and Connectors for Connecting Fishing Hooks With Fishing Lines, and Fishing Leaders. S. W. Smith, Rio Vista, Calif.
Filed May 22, 1951, Serial No. 614,220. Published Sept. 25, 1951. Class 22.

552,064. Dolls. American Character Doll Co., New York, N. Y.
Filed June 5, 1951, Serial No. 614,737. Published Sept. 25, 1951. Class 22.

Service Marks

552,065. Automobile Purchase Finance and Loan Services. General Finance Corporation, Chicago, Ill.
Original filed, act of 1905, Jan. 9, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 494,501. Published Sept. 11, 1951. Class 102.

552,066. Conservation of Paintings—Namely, Cleaning and Treating the Paint Film and the Canvas With Chemicals for the Purpose of Preservation. C. Fritz Hoelzer, New York, N. Y.
Filed July 28, 1947, Serial No. 529,755. Published Sept. 11, 1951. Class 103.

552,067. Service and Repair of Oil Burners. Regal Service and Sales Company, Inc., Baltimore, Md.
Filed Oct. 10, 1947, Serial No. 537,506. Published Sept. 18, 1951. Class 103.

552,068. Promoting, Protecting and Advancing the General Welfare and Mutual Interest of Its Members Employed in Installing and Maintaining Telephone, Etc. Communications Workers of America, Washington, D. C.
Filed Dec. 8, 1947, Serial No. 543,684. Published Sept. 18, 1951. Class 100.

552,069. Engineering and Research Services for the Airplane, Radar, Communication, and Telemetering Industries in the Design and Development of Ground and Airborne Antennas, Electronic Apparatus, Measuring Equipment, and the Like. Airborne Instruments Laboratory, Inc., Mineola, N. Y.
Filed June 19, 1948, Serial No. 559,667. Published Sept. 11, 1951. Class 100.

552,070. Hotel and Restaurant Services. Sheraton Corporation of America, Jersey City, N. J., and Boston, Mass.
Filed July 30, 1948, Serial No. 563,549. Published Sept. 25, 1951. Class 100.

552,071. Restaurant Service. Horn & Hardart Baking Co., Philadelphia, Pa.
Filed Dec. 3, 1948, Serial No. 569,852. Published Sept. 18, 1951. Class 100.

552,072. Dyeing and Finishing Textile Fabrics in the Piece To Increase Color Fastness and Light Fastness, and for Crease Resistance and Shrinkage Control. Clearwater Finishing Company, Clearwater, S. C., and Old Fort, N. C.
Filed Feb. 24, 1950, Serial No. 592,981. Published Sept. 18, 1951. Class 106.

552,073. Transportation of Passengers, Freight and Mail by Airplane. Inland Air Lines, Inc., Los Angeles, Calif.
Filed Mar. 13, 1950, Serial No. 593,872. Published Sept. 18, 1951. Class 105.

552,074. Bookkeeping Service. Joe L. Schmitt, Jr., doing business as Exactomatic Systems, Phoenix, Ariz.
Filed Apr. 17, 1950, Serial No. 595,855. Published Sept. 25, 1951. Class 101.

552,075. Bookkeeping Service. Joe L. Schmitt, Jr., doing business as Exactomatic Systems, Phoenix, Ariz.
Filed Apr. 17, 1950, Serial No. 595,856. Published Sept. 25, 1951. Class 101.

552,076. Instructing in the Playing of the Accordion. John G. McCormick, doing business as Accordio-Tape System, Minneapolis, Minn.
Filed May 12, 1950, Serial No. 597,346. Published Sept. 18, 1951. Class 107.

552,077. Posture Correction and Slenderizing Service. Sil-oo-ette Systems of Ohio, Inc., Columbus, Ohio, and New York, N. Y., assignor to Sil-oo-ette Systems, Inc., New York, N. Y., a corporation of Delaware.
Filed June 3, 1950, Serial No. 598,549. Published Sept. 18, 1951. Class 100.

552,078. Fire, Marine, Casualty, Liability, Theft, and Property Damage Insurance Services. Kansas City Fire and Marine Insurance Company, Kansas City, Mo.
Filed Aug. 3, 1950, Serial No. 601,677. Published Sept. 18, 1951. Class 102.

552,079. Underwriting Life, Health, and Accident Insurance. Pioneer Life Insurance Company, Philadelphia, Pa.
Filed Aug. 19, 1950, Serial No. 602,469. Published Sept 18, 1951. Class 102.

552,080. Savings Account Services. Bank of America National Trust and Savings Association, San Francisco, Calif.
Filed Aug. 28, 1950, Serial No. 602,821. Published Sept. 18, 1951. Class 102.

552,081. Mercantile Credit Information Service. Dun & Bradstreet, Inc., New York, N. Y.
Filed Aug. 29, 1950, Serial No. 602,895. Published Sept. 18, 1951. Class 101.

Certification Mark

552,082. Fresh Killed and Frozen Poultry and Eggs. Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill.
Filed Aug. 3, 1949, Serial No. 582,879. Published Aug. 28, 1951. Class 46.

Collective Mark

552,083. Organizing and Holding Meetings and Competitions and Other Special Events for Business People and the Public To Foster Interest in Governmental Affairs, Etc. The United States Junior Chamber of Commerce, St. Louis, Mo., and Tulsa, Okla.
Filed May 4, 1948, Serial No. 556,232. Published Sept. 25, 1951. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

552,084. (Class 19. Vehicles.) Adjustable Blind Company, Atlanta, Ga., assignor to Kilray Blind Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Jan. 12, 1948; amended to application, Supplemental Register, May 9, 1950, Serial No. 546,743.

KILRAY

For Adjustable Blinds for Automobiles.
Claims use since Aug. 29, 1947.

552,085. (Class 22. Games, Toys, and Sporting Goods.) Hurd Lock & Manufacturing Company, Detroit, Mich. Original filed, act of 1946, Principal Register, Feb. 18, 1948; amended to application, Supplemental Register, July 10, 1951, Serial No. 550,044.

SUPER fly CASTER

For Fishing Reels Adapted for Use With Fly Rods.
Claims use since Sept. 16, 1947.

552,086. (Class 37. Paper and Stationery.) West Virginia Pulp and Paper Company, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 27, 1948; amended to application, Supplemental Register, Sept. 20, 1951, Serial No. 555,714.

Sterling

For Coated Book and Magazine Paper.
Claims use since 1906.

552,087. (Class 46. Foods and Ingredients of Foods.) Joe Lowe Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, June 21, 1948; amended to application, Supplemental Register, Sept. 29, 1951, Serial No. 559,851.

TWIN STIX

Applicant claims ownership of Registrations Nos. 332,790, 347,963 and others.
For Frozen Confections and Liquid Syrups or Concentrates for Making the Same.
Claims use since May 19, 1948.

552,088. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Federal Auto Products Co., Chicago, Ill. Original filed, act of 1946, Principal Register, June 29, 1948; amended to application, Supplemental Register, Mar. 16, 1950, Serial No. 560,392.

EVERSPRAY

For Automatic Underground Sprinkler Systems for Homes.
Claims use since May 14, 1947.

552,089. (Class 25. Locks and Safes.) The American Hardware Corporation, New Britain, Conn. Original filed, act of 1946, Principal Register, Mar. 24, 1948; amended to application, Supplemental Register, Feb. 15, 1951, Serial No. 561,416.

Good Buildings Deserve Good Hardware

Applicant claims ownership of Registration No. 295,693.
For Locks and Latches.
Claims use since January 1927.

552,090. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Screw Conveyor Corporation, Hammond, Ind. Filed Aug. 16, 1948, Serial No. 563,500.

TITE-SEAL

For Boltless Spring Clamping Device Used as a Fastener for Covers on Conveyors.
Claims use since Aug. 16, 1944.

552,091. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Daniel L. Jerman, Teaneck, N. J. Original filed, act of 1946, Principal Register, Feb. 23, 1949; amended to application, Supplemental Register, Jan. 19, 1951, Serial No. 574,364.

GAS - PHUSE

For Automatic Shut-Off Valve To Prevent Excess Flow of Air, Gas or Liquids to the Atmosphere or Excess Flow Between Pressure Vessels, Receivers and Tanks.
Claims use since Dec. 28, 1948.

552,092. (Class 39. Clothing.) Merit Clothing Company, Mayfield, Ky. Filed Mar. 3, 1949, Serial No. 574,849.



For Suit Coats, Sport Coats, Top Coats and Overcoats, for Men.
Claims use since September 1944.

552,093. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Herb Helmus-Hardware Corp., Brooklyn, N. Y. Filed May 6, 1949, Serial No. 578,332.



For Nails.
Claims use since Apr. 30, 1948.

552,094. (Class 19. Vehicles.) United Laboratories, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, May 28, 1949; amended to application, Supplemental Register, July 28, 1950, Serial No. 579,724.

TY-DOWN

For Cargo Lash for Use in Carrying Loads on Automobile Tops.
Claims use since Nov. 15, 1944.

552,095. (Class 39. Clothing.) Miller-Jones Company, Columbus, Ohio. Original filed, act of 1946, Principal Register, July 27, 1949; amended to application, Supplemental Register, Sept. 24, 1951, Serial No. 582,571. Applicant claims ownership of Registration No. 168,983.

HARDWEAR

For Men's Shoes, Constructed of Leather.
Claims use since Jan. 2, 1947.

552,096. (Class 2. Receptacles.) B W Photo Utilities, Incorporated, Pasadena, Calif. Original filed, act of 1946, Principal Register, Aug. 4, 1949; amended to application, Supplemental Register, Aug. 30, 1951, Serial No. 582,996.

CHOW CHOW TRAIN

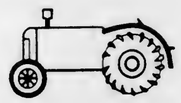
For Moulded Plastic Compartmented Feeding Dish for Infants.
Claims use since July 8, 1949.

552,097. (Class 19. Vehicles.) Robert C. Belgau, doing business as Bell Distributing Co., Tawas City, Mich. Original filed, act of 1946, Principal Register, Sept. 10, 1949; amended to application, Supplemental Register, Aug. 16, 1950, Serial No. 584,656.

KARDEK

For Platform Carriers for Use on the Tops of Automobiles.
Claims use since July 3, 1949.

552,098. (Class 21. Electrical Apparatus, Machines, and Supplies.) Fargo Battery & Mfg. Co., Fargo, N. Dak. Original filed, act of 1946, Principal Register, Dec. 5, 1949; amended to application, Supplemental Register, Apr. 26, 1951, Serial No. 588,791.



For Storage Batteries.
Claims use since Oct. 10, 1947.

552,099. (Class 22. Games, Toys, and Sporting Goods.) American Metal Specialties Corp., also known as American Metal Specialties Corporation, Hatboro, Pa. Original filed, act of 1946, Principal Register, Jan. 21, 1950; amended to application, Supplemental Register, Apr. 14, 1951, Serial No. 591,220.

Doll-E-Joys
Amsco

For Bathing Tub for Dolls, Dolls' Beds, Dolls' Gliders, Dolls' High Chairs, Dolls' Swings and Dolls' Nursing Sets, Each of Said Nursing Sets Consisting of a Pot and Lid, a Bottle Rack Containing Nursing Bottles, a Funnel, a Nipple Jar and Lid Containing Nipples, a Bottle Brush, a Measuring Cup and a Formula Measuring Spoon.
Claims use since Jan. 2, 1948.

552,100. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) R. J. Pagliuso, doing business as Pagliuso Engineering Company, Glendale, Calif. Original filed, act of 1946, Principal Register, Jan. 26, 1950; amended to application, Supplemental Register, June 4, 1951, Serial No. 591,510.

COCKTAIL CAPERS

For Hand Operated, Round, Hollow Tube With Sharp Cutting Edge and Plunger Ejector, Used in Cutting, Shaping, and Molding Ingredients for Making Canapes, Desserts, Appetizers, Hors-d'oeuvres, and Other Similar Food Items.
Claims use since Jan. 3, 1950.

552,101. (Class 46. Foods and Ingredients of Foods.) Chatham Candies, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Feb. 2, 1950; amended to application, Supplemental Register, May 14, 1951, Serial No. 591,833.

Ever-Best

For Granules of Unsweetened Chocolate, Used for Decorating Ice Cream, Candies, Cakes and the Like.
Claims use since May 1949.

552,102. (Class 8. Smokers' Articles Not Including Tobacco Products.) Bowers Tool & Die Company, Kalamazoo, Mich. Original filed, act of 1946, Principal Register, Feb. 15, 1950; amended to application, Supplemental Register, Aug. 13, 1951, Serial No. 592,468.

SURE-FIRE

For Portable Pyrophoric Cigar or Cigarette Lighters and Flints Therefor.
Claims use since Mar. 15, 1932.

552,103. (Class 37. Paper and Stationery.) Goldsmith Bros., New York, N. Y. Original filed, act of 1946, Principal Register, May 11, 1950; amended to application, Supplemental Register, Aug. 8, 1951, Serial No. 597,268.

Dri-Kleen

For Paper Towels Folded Flat and Interfolded.
Claims use since Jan. 1, 1935.

552,104. (Class 37. Paper and Stationery.) Goldsmith Bros., New York, N. Y. Original filed, act of 1946, Principal Register, May 11, 1950; amended to application, Supplemental Register, Aug. 8, 1951, Serial No. 597,269.

Kleen-Roll

For Paper Towels Manufactured and Dispensed in Rolls.
Claims use since Jan. 1, 1935.

552,105. (Class 39. Clothing.) Louis G. Kauderer, Riverside, N. J. Original filed, act of 1946, Principal Register, May 12, 1950; amended to application, Supplemental Register, Aug. 28, 1951, Serial No. 597,340.

Brite-Knit

For Men's Hosiery.
Claims use since Mar. 30, 1950.

552,106. (Class 39. Clothing.) Slimaker Dress Corporation, Inc., Kansas City, Mo. Original filed, act of 1946, Principal Register, June 23, 1950; amended to application, Supplemental Register, Sept. 10, 1951, Serial No. 599,662.

FASHIONMAKER

For Women's Dresses.
Claims use since Nov. 1, 1949.

552,107. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Duraloom Carpet Mills, Inc., New York, N. Y. Filed June 24, 1950, Serial No. 599,699.

Dovertwist

For Textile Carpets and Rugs.
Claims use since Dec. 21, 1948.

552,108. (Class 3. Baggage, Animal Equipments, Portfolios and Pocketbooks.) Devon Originations, Summit, N. J. Original filed, act of 1946, Principal Register, June 30, 1950; amended to application, Supplemental Register, Aug. 28, 1951, Serial No. 600,036.



The words "Purse Handy Pouch Pocket" are disclaimed.
For Handbags and Purses.
Claims use since Oct. 25, 1949.

552,109. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Avildsen Tools & Machines, Inc., doing business under the name of Century Drill & Tool Works, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 29, 1950; amended to application, Supplemental Register, Sept. 8, 1951, Serial No. 604,182.

POWER POINT

The word "Point" is disclaimed.
For Twist Drills.
Claims use since July 20, 1950.

552,110. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Raymond W. Barrett, Freeport, N. Y. Original filed, act of 1946, Principal Register, Nov. 8, 1950; amended to application, Supplemental Register, Sept. 27, 1951, Serial No. 606,068.

alum · a · fence

For Sheet Metal Picket Fence.
Claims use since Mar. 1, 1950.

552,111. (Class 21. Electrical Apparatus, Machines and Supplies.) Metal Products Engineering, Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Dec. 12, 1950; amended to application, Supplemental Register, Sept. 26, 1951, Serial No. 607,595.

TOAST-EZY

For Sandwich Holder Designed for Insertion in an Electric Bread Toaster.
Claims use since Sept. 26, 1950.

552,112. (Class 2. Receptacles.) Alfred F. Hartman, doing business as A. F. Hartman Co., Kansas City, Mo. Original filed, act of 1946, Principal Register, Feb. 23, 1951; amended to application, Supplemental Register, Oct. 1, 1951, Serial No. 610,441.

E-Z-OUT

For Mail Boxes.
Claims use since June 1, 1950.

552,113. (Class 39. Clothing.) J. Schoeneman, Inc., Baltimore, Md. Filed Mar. 8, 1951, Serial No. 611,044.

King of Summer Suits

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths and Boys.
Claims use since March 1926.

552,114. (Class 39. Clothing.) Craddock-Terry Shoe Corporation, Lynchburg, Va. Filed Mar. 26, 1951, Serial No. 611,768.

Craddock

For Men's Shoes.
Claims use since Feb. 10, 1950.

552,115. (Class 46. Foods and Ingredients of Foods.) Blum's, San Francisco, Calif. Filed May 8, 1951, Serial No. 613,691.



The drawing is lined for pink, red and blue.
For Candy.
Claims use since Apr. 29, 1950.

552,116. (Class 21. Electrical Apparatus, Machines and Supplies.) E. R. Hall Co., Los Angeles and North Hollywood, Calif., assignor to Electrofilm Inc., Los Angeles County, Calif., a corporation of California. Original filed, act of 1946, Principal Register, Sept. 18, 1948; amended to application, Supplemental Register, Mar. 5, 1951, Serial No. 565,433.

Electrofilm

For Electric Heating Elements Comprising a Coating of a Resinous Conductive Film as an Electrode.
Claims use since July 21, 1948.

Service Mark

552,117. (Class 101. Advertising and Business.) National Association of Shoe Chain Stores, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 30, 1948; amended to application, Supplemental Register, July 20, 1949, Serial No. 571,354.

Popular Price Shoe Show of America

For Shoe and Allied and Accessory Lines Exhibiting Space Service, Comprising the Periodical Promotion of Shoe Shows in Different Cities of Different States and the Leasing of Exhibiting Space to Shoe Manufacturers and Suppliers of Allied and Accessory Lines.
Claims use since May 1948.

TRADE-MARK REGISTRATIONS RENEWED

36,450. CLICQUOT CLUB. Registered May 21, 1901. Clicquot Club Bottling & Extract Co. Re-renewed May 21, 1951, to Clicquot Club Company, Millis, Mass., a corporation of Rhode Island. Sarsaparilla. Class 45.

79,791. "STALLOY" AND DESIGN. Registered Oct. 4, 1910. Joseph Sankey & Sons, Ltd., Bilston, England, a corporation organized under the laws of Great Britain. Re-renewed Oct. 4, 1950. Sheet-Metal Transformer and Dynamo Plates. Class 21.

80,086. "STALLOY" AND DESIGN. Registered Nov. 1, 1910. Joseph Sankey & Sons, Ltd., Bilston, England, a corporation organized under the laws of Great Britain. Re-renewed Nov. 1, 1950. Iron and Steel Blooms, Billets, Bars, and Sheets. Class 14.

83,188. PROTO. Registered Aug. 22, 1911. Siebe, Gorman & Co. Limited, Tolworth, Surrey, England, a British company. Re-renewed Aug. 22, 1951. Breathing Apparatus for Use in Mines and Other Places Where the Air Is Irrespirable. Class 44.

84,416. KORITE. Registered Dec. 12, 1911. Standard Oil Company, Whiting, Ind. Re-renewed Dec. 12, 1951, to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Petroleum-Pitch. Class 1.

84,618. "FUNSTEN" AND DESIGN. Registered Dec. 26, 1911. R. E. Funsten Dried Fruit & Nut Co. Renewed Dec. 26, 1951, to R. E. Funsten Company, St. Louis, Mo., a corporation of Missouri. Fresh Cracked Pecans. Class 46.

85,263. CLUB HOUSE. Registered Feb. 6, 1912. Franklin MacVeagh and Company, Chicago, Ill., a corporation of Illinois. Re-renewed Feb. 6, 1952. Grape-Juice and Boiled Cider. Class 45.

85,355. KREOLITE. Registered Feb. 13, 1912. The Jennison-Wright Corporation, Toledo, Ohio, a corporation of Ohio. Re-renewed Feb. 13, 1952. Block and Hydrocarbon Containing Paving Materials. Class 12.

283,094. AR-KE-TEX. Registered May 19, 1931. Clay Products Company, Inc. of Indiana. Renewed May 19, 1951, to Arketex Ceramic Corporation, Brazil, Ind., a corporation of Indiana. Glazed and Unglazed Clay Building Tile. Class 12.

283,336. BETTER WALLS. Registered May 26, 1931. Clay Products Company, Inc. of Indiana. Renewed May 26, 1951, to Arketex Ceramic Corporation, Brazil, Ind., a corporation of Indiana. House Organ Issued Monthly. Class 38.

284,827. OLYMPIA. Registered July 7, 1931. Europa Schreibmaschinen A. G., Erfurt, Germany. Renewed July 7, 1951, to Olympia Buromaschinenwerke A. G., Wilhelmshaven, Germany, a corporation organized under the laws of Germany. Calculating Machines. Class 26.

285,969. VALLIUM. Registered Aug. 11, 1931. British Ropes, Limited, London, England. Renewed Aug. 11, 1951, to British Ropes Limited, Doncaster, England, a corporation organized under the laws of the Kingdom of Great Britain and Ireland. Steel Ropes, Cables, and Strands. Class 7.

286,156. "FLEET STREET" AND DESIGN. Registered Aug. 18, 1931. M. S. Levy & Sons Incorporated. Renewed Aug. 18, 1951, to Men's Hats, Inc., Baltimore, Md., a corporation of Maryland. Men's Hats. Class 39.

286,188. STANORUST. Registered Aug. 18, 1931. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Aug. 18, 1951. Rust Preventing Oils and Greases. Class 15.

286,276. MOTHBAN. Registered Aug. 25, 1931. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Aug. 25, 1951. Mothproofing Compound and Insecticide. Class 6.

286,596. CLARIPON. Registered Sept. 1, 1931. Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware. Renewed Sept. 1, 1951. Material in Powder or Liquid Form Containing Enzymes Used for Treating Plant Juices and Extracts for the Purpose of Aiding Clarification. Class 6.

286,879. ST. REGIS. Registered Sept. 8, 1931. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 8, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Hard Rubber Combs. Class 40.

287,272. KESSO. Registered Sept. 15, 1931. McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Renewed Sept. 15, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Tooth Brushes. Class 29.

287,315. POCKETTE. Registered Sept. 22, 1931. International Projector Corporation, New York, N. Y. Renewed Sept. 22, 1951, to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware. Cameras and Parts Thereof and Accessories Thereto, Combinations of Picture Recording and Sound Recording Apparatus, Etc. Class 26.

287,381. P L. Registered Sept. 22, 1931. Chicago Mill and Lumber Corporation. Renewed Sept. 22, 1951, to Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware. Rough and Finished Lumber. Class 12.

287,851. "AIRMAID HOSIERY" AND DRAWING. Registered Oct. 13, 1931. Calvin C. McGaugh. Renewed Oct. 13, 1951, to Airmaid Hosiery Mills, Dallas, Tex., a corporation of Texas. Hosiery. Class 39.

288,068. ACIPCO. Registered Oct. 20, 1931. American Cast Iron Pipe Company, Birmingham, Ala., a corporation of Georgia. Renewed Oct. 20, 1951. Hollow Cast Metal Bodies—Namely, Cast Iron Pipes and Fittings, Etc. Class 13.

288,859. "T N" AND DESIGN. Registered Nov. 10, 1931. James M. Teahen, Detroit, Mich. Renewed Nov. 10, 1951. Water Closets. Class 13.

289,040. "ANTINA" AND DRAWING. Registered Nov. 17, 1931. Lea's Pharmacy, doing business as Lea Brothers, Chemists. Renewed Nov. 17, 1951, to Altone Chemical Company, Inc., New Orleans, La., a corporation of Louisiana. Athlete's Foot Medicine. Class 18.

289,225. UNEEK. Registered Nov. 24, 1931. William J. Heintz, Utica, N. Y. Renewed Nov. 24, 1951. Head Rests and Head Rest Covers for Dental and Like Chairs. Class 44.

289,717. "HANGER" ETC. AND DRAWING. Registered Dec. 1, 1931. J. E. Hanger, Inc., Washington, D. C., a corporation of Delaware. Renewed Dec. 1, 1951. Artificial Limbs. Class 44.

289,965. ACME. Registered Dec. 15, 1931. Cereal Products Refining Corpn., doing business as California Bottling Assn. Renewed Dec. 15, 1951, to Acme Breweries, San Francisco, Calif., a corporation of California. Nonalcoholic, Maltless Beverages Sold as Soft Drinks. Class 45.

290,363. "SIL-FOS" AND HEAVY BROKEN UNDERLINE. Registered Jan. 5, 1932. Handy & Harman, New York, N. Y., a corporation of New York. Renewed Jan. 5, 1932. Solder. Class 14.

290,418. RUBESTOS. Registered Jan. 5, 1932. The Ruberoid Co., Bound Brook, N. J. Renewed Jan. 5, 1952, to The Ruberoid Co., New York, N. Y., and Bound Brook, N. J., a corporation of New Jersey. Composition Shingles. Class 12.

290,649. STRONGHOLD. Registered Jan. 12, 1932. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Jan. 12, 1952. Lace Leather in the Form of Sides. Class 1.

290,903. JAMES' SEALED. Registered Jan. 19, 1932. James', Inc. Renewed Jan. 19, 1952, to James Candy Company, Atlantic City, N. J., a corporation of New Jersey. Confections—Namely, Candies. Class 46.

291,254. PLASKON. Registered Feb. 2, 1932. Toledo Synthetic Products, Inc. Renewed Feb. 2, 1952, to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio. Synthetic Heat Hardening Molding Material for Use in Molding Artificial Resinous Products. Class 1.

291,285. FLOOR MASTER. Registered Feb. 9, 1932. Herbert T. Lowe, Custer, S. Dak., assignor to Russell Sabor. Renewed Feb. 9, 1952, to Midland Laboratories, Dubuque, Iowa, a corporation of Iowa. Electric Scrubbing, Polishing, and Sanding Machines. Class 21.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

539,293. "DRI-VAC" AND DESIGN. Registered Aug. 22, 1950. Protection Products Manufacturing Company, Kalamazoo, Mich. Material Impregnating Apparatus Comprised of a Vacuum Storage and Knockout Tank, Etc. Class 23. Amended as follows:

DRI-VAC

542,721. NORTHWOOD. Registered May 22, 1951. Northwood Fur Farms, Cary, Ill. Mink Garments—Namely, Coats, Capes, Jackets and Stoles. Class 39. Corrected as follows: In the statement, column 2, lines 7 and 8, "on January 1, 1949" should be *in 1938*.

Erratum

Service Trade-Marks, Serial Numbers 539,058 and 539,059, Class 100, published without marks in the OFFICIAL GAZETTE of Nov. 13, 1951, are the identical marks shown in Class 106 on the same page.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 62,432. Registered May 7, 1907. Fritzsche Brothers, New York, N. Y. Republished by Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York.



For First, Essential Oils and Essences; Second, the Following Constituents and Derivatives of Essential Oils: Carvol, Citral, Eucalyptol, Eugenol, Geraniol, Linalool, Menthol, Safrol, Thymol, and Vanillin; and Third, the Following Derivatives and Compounds of Aromatic Plants: Cumarin.
Claims use since 1878.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 294,076. Registered May 17, 1932. Hawaiian Cane Products, Limited, Honolulu, Territory of Hawaii. Republished by The Flintkote Company, New York, N. Y., a corporation of Massachusetts.

CANEC

For Insulating Board, Insulating Lath, Insulating Tile, Low Density Roof and Refrigeration Insulation.
Claims use since Dec. 5, 1931.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 117,490. Registered July 10, 1917. The United Kingdom Tobacco Company, Limited, London, England. Republished by The United Kingdom Tobacco Company, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland.



The drawing is lined for red.
For Cigarettes.
Claims use since 1903.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 412,242. Registered Feb. 27, 1945. David White Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The word "Stereo" is disclaimed apart from the mark as shown. The drawing is lined for red.
For Stereoscopic Cameras, Stereoscopic Projectors, Stereoscopes, Stereoscopic Slides, Filing Cases for Stereoscopic Slides, and Flash Attachments for Stereoscopic Cameras.
Claims use since Mar. 9, 1944.

CLASS 39

CLOTHING

Reg. No. 104,301. Registered May 18, 1915. Daniel Green Felt Shoe Company, Boston, Mass., and Dolgeville, N. Y. Republished by Daniel Green Company, Dolgeville, N. Y., a corporation of Massachusetts.

COMFY

For Shoes and Slippers Made Wholly, or in Part, of Leather, and for Felt Shoes and Slippers.
Claims use since July 1904.

Reg. No. 380,962. Registered Sept. 10, 1940. The Feltman & Curme Shoe Stores Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.



For Shoes Made of Either Leather or Fabric or Combinations of Both Materials.
Claims use since Feb. 7, 1940.

Reg. No. 387,345. Registered May 13, 1941. Daniel Green Company, Dolgeville, N. Y., a corporation of Massachusetts. Republished by registrant.

DEEGEE

For Shoes and Slippers Made of Leather or Fabric, or of Combinations of Said Materials.
Claims use since Nov. 18, 1940.

CLASS 46

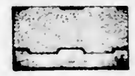
FOODS AND INGREDIENTS OF FOODS

Reg. No. 391,090. Registered Oct. 21, 1941. Uddo Taormina Corp., Brooklyn and New York, N. Y. Republished by Uddo & Taormina Company, New York, N. Y., a firm.

PINOLA

For Combination of Peanut, Cottonseed Oils and Olive Oil Used for Cooking and Table Uses.
Claims use since 1938.

Reg. No. 401,324. Registered May 11, 1943. Gristede Bros., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.



The representation of a label per se is disclaimed. The drawing is lined for cream or buff color and blue.
For Canned Fish, Canned Fruits, Canned Fruit Juices for Food Purposes, Canned Fruit Salads, Canned Soups, Canned Vegetable, Canned Vegetable Juices, and Canned Spices.
Claims use since June 29, 1940.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 441,810. Registered Jan. 4, 1949. Sylvan M. Edison, Chicago, Ill. Republished by registrant.

EDISONITE

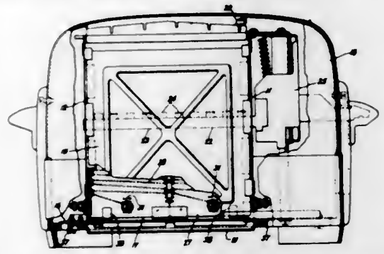
For Powder Soluble To Make a Cleaning Solution for Eye-Glasses, Jewelry, Diamonds, Plastics, and Precious Metals.
Claims use since July 1, 1940.

REISSUES

DECEMBER 11, 1951

23,439
ELECTRIC TOASTER
Allan M. Young, Meriden, Conn., assignor to General Electric Company, a corporation of New York
Original No. 2,545,404, dated March 13, 1951, Serial No. 65,048, December 13, 1948. Application for reissue October 13, 1951, Serial No. 251,230
1 Claim. (Cl. 219—19)

An electric toaster comprising a housing having wall members arranged to provide an open bottom toaster chamber, channel means arranged in aligned mutually facing relationship on opposed walls of said chamber and extending to the bottom thereof, a heating unit including plates of insulation material the side edges of which are slidably carried by said channel means, said plates of insulation material having wound thereon a resistance wire element, said heating unit plates being insertable into said channel means through the bottom opening of said chamber, bracket means removably affixed to certain of said wall members adjacent the bottom opening of said chamber externally of the boundaries thereof, said bracket means projecting into said chamber and in engagement with side wall and bottom edge portions of said insulation plates to support the same within said chamber, means



independent of said bracket means for connecting said heating unit to a source of electrical energy, and a crumb tray [hingedly] mounted below said chamber to provide a removable bottom closure therefor.

PLANT PATENTS

GRANTED DECEMBER 11, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,050
ROSE PLANT
Svend Poulsen, Copenhagen, Denmark, assignor to The Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania
Application June 2, 1950, Serial No. 165,669
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid polyantha class, characterized as to novelty by the double form of the flowers with color tones comparable to the variety "Springtime" (Plant Patent No. 268), by the exceptionally strong, hardy, healthy and free blooming habits of growth of the plants, and by its abundance of foliage, giving the plants bushiness, substantially as shown and described.

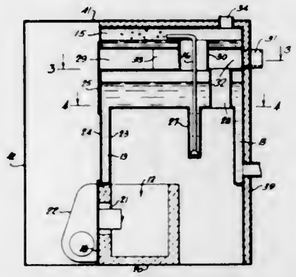
1,051
ROSE PLANT
John de Vink, Boskoop, Netherlands, assignor to The Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania
Application June 2, 1950, Serial No. 165,694
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the miniature rose class, characterized as to novelty by its thornless habit of growth, by the absence of anthers or stamens, by its abundance of attractive foliage, by the resemblance of its buds as the first petals open to the opening buds of a hybrid tea rose, and by the satiny and white color of its flowers showing tinges of pale flesh color deepening towards the center of the flowers, substantially as shown and described.

1,052
POINSETTIA PLANT
Paul Ecke, Encinitas, Calif.
Application July 6, 1950, Serial No. 172,291
1 Claim. (Cl. 47—60)

A new and distinct variety of poinsettia plant substantially as illustrated and described, characterized by a profusion of blood-red geometrically tortuous bracts sinuously overlapping in dense, closely compacted head, and foliage leaves which, at optimum of development of the bracts, have their midrib arcuately curved towards the underface of the foliage leaves.

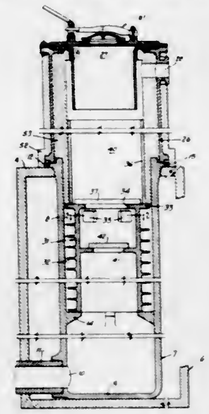
2,577,728
BOILER
Carl Z. Alexander, Hopatcong, N. J.
Application November 10, 1948, Serial No. 59,375
1 Claim. (Cl. 122—408)



In a boiler having an upper horizontal water chamber, a passageway for the products of combustion below the upper chamber and a lower horizontal water chamber below the passageway with a fire box below and at the front of the lower chamber, the water chambers and the fire box and the passageway being enclosed, the water chambers further being interconnected through the passageway by a vertical nipple substantially along the longitudinal center line of the passageway and adjacent the rear wall thereof, the passageway further having an outlet to a flue through the rear wall and to one side of the nipple; the improvements comprising a second passageway for the products of combustion from the fire box through the lower water chamber to the first passageway, the second passageway being positioned rearwardly of the transverse central plane of the nipple and on the side opposite the outlet to the flue in the first passageway, a baffle disposed in the first passageway between the nipple and the rear wall of said first passageway and intermediate the outlet to the flue and the second passageway inlet into the first passageway, and a second baffle disposed in the first passageway on the side of the nipple opposite to the first baffle and extending forwardly of the nipple, both baffles extending between the ceiling of the lower water chamber and the floor of the upper water chamber.

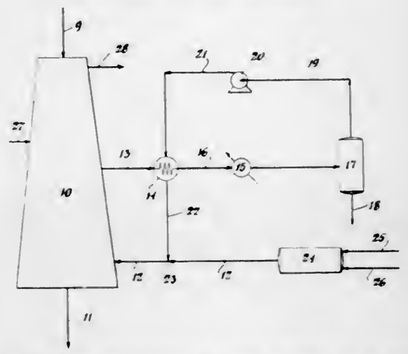
2,577,729
CARBON BISULFIDE RETORT
William V. Bauer, New York, N. Y., assignor to Stauffer Chemical Company, a corporation of California
Application May 31, 1950, Serial No. 165,271
3 Claims. (Cl. 23—277)

1. Apparatus for the manufacture of carbon bisulfide comprising a furnace; an elongated tubular shell standing vertically in said furnace and having a first inlet for feeding sulfur into a lower portion of the vertical shell and a second inlet for feeding carbon into an upper portion of the vertical shell, and support means extending transversely of the shell and providing a support for carbon fed into the shell through said second inlet, said support means dividing the shell into an upper reaction zone wherein carbon and sulfur react and a lower zone wherein sulfur admitted to the lower portion of the zone is heated to a temperature whereat the sulfur reacts with the carbon to form carbon bisulfide, said support means including an apertured portion and a removable closure therefor adapted to be removed to permit ash and carbon on said support means to be discharged into the sulfur heating zone for removal from the tubular shell; a tubular insert in an upper portion of said lower zone concentric with and spaced from the adjacent portion of said tubular shell and having a spiral fin provided about its periphery adjacent to said tubular shell to provide a confined spiral passage therewith wherein sulfur vapor moves at an increased velocity as compared to the lower



portion of said lower zone; an outlet from said shell for products of reaction, said outlet being from said upper reaction zone and communicating with the upper portion of said shell above said support means; said shell being positioned in said furnace with at least that portion of the shell defining the sulfur heating zone confined within and receiving heat from the furnace.

2,577,730
IRON OXIDE REDUCTION
Manson Benedict, Westfield, James B. Wagstaff, Ridgewood, and George B. Webb, Westfield, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application June 24, 1949, Serial No. 101,048
12 Claims. (Cl. 75—34)

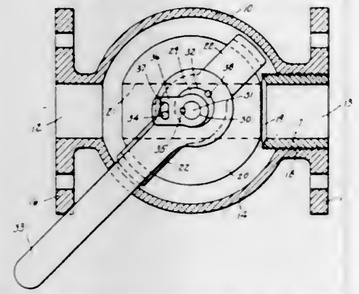


1. In the reduction of iron oxide in a shaft-type furnace wherein the iron oxide descends in contact with a countercurrent reducing gaseous stream comprising carbon monoxide and hydrogen, the improvement which comprises withdrawing from said furnace a portion of said reducing stream after a part of said carbon monoxide and hydrogen have been converted, respectively, to carbon dioxide and water vapor by re-

PATENTS

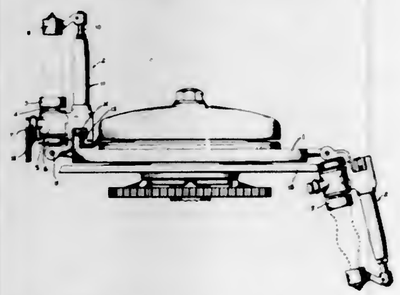
GRANTED DECEMBER 11, 1951

2,577,725
ECCENTRIC BALL VALVE FOR HIGH-PRESSURE LINES
Robert W. Drake, Tulsa, Okla.
Application September 29, 1944, Serial No. 556,379
10 Claims. (Cl. 251—91)



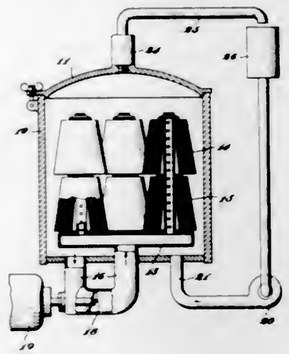
1. A valve structure including a casing having an annular seat, a valve of ball form with a bore therethrough and pivotally mounted in the casing upon an axis transverse to both bore and seat, a yoke interposed between the ball and casing, said yoke having a ring-like form disposed about the ball, the ball rotation axis intersecting the yoke, the casing pivotally supporting the yoke at diametrically opposite points for rotation only, said casing having aligned inlet and outlet passages, the latter defined by said seat, the yoke at diametrically opposite points pivotally supporting the ball upon the aforesaid axis which is parallel to the pivot axis of the yoke and for rotation only relative to that axis, and means for pivoting both the ball and yoke for valve control.

2,577,726
SPINNER BRAKE FOR BEVERAGE MIXING MACHINES
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application April 28, 1947, Serial No. 744,309
2 Claims. (Cl. 259—54)



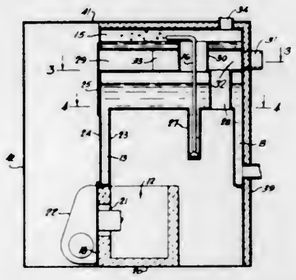
1. In a mixing apparatus, a rotary table, a container supporting element carried by said rotary table and including container gripping means, said container gripping means being rotatable on an axis coincident with the vertical axis of a container supported in said gripping means and including a cylindrical member, means for rotating the gripping means on its axis to spin the container on its vertical axis, a brake wheel rotatable tangentially to said table and having peripheral pockets approximating the diameter to the diameter of said cylindrical member on said gripping means, the tangential relationship between said brake wheel and said rotating table being such that the cylindrical member on the gripping means will move into a pocket on said brake wheel.

2,577,727
PRESSURE DYEING APPARATUS FOR TEXTILE PACKAGES
Edward J. Abbott, deceased, late of Wilton, N. H., by Samuel L. Abbott, executor, Wilton, N. H., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H., a corporation of New Hampshire
Application April 16, 1949, Serial No. 87,873
2 Claims. (Cl. 68—189)



1. Dyeing apparatus including a closed dye kettle, means within the kettle for holding textile packages, means including an impeller type pump for circulating the dye liquid of the kettle through the bodies of the textile packages, said impeller type pump establishing a pressure differential through said bodies of the packages, a second pump adapted to maintain a superatmospheric pressure within the kettle by forcing liquid into the body of dye liquid on the low pressure side of the packages and in communication with the intake side of the first named pump, thereby to reduce cavitation of the liquid at the impeller of the first named pump, a pressure release device receiving fluid from the said body of liquid on the low pressure side of the packages and thereby limiting the interior pressure of the kettle at the low pressure side of the packages, a reservoir connected to the intake side of the second pump independently of the first pump, and a return connection from the pressure release device to said reservoir.

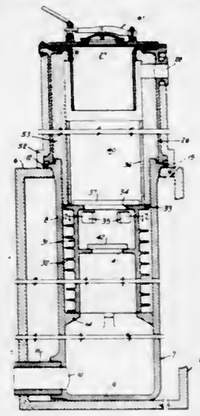
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Carl Z. Alexander, Hopatcong, N. J.
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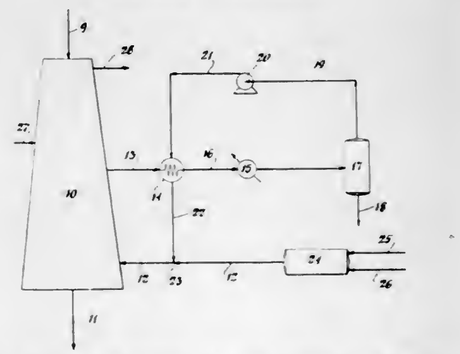
2,577,729
CARBON BISULFIDE RETORT
William V. Bauer, New York, N. Y., assignor to Stauffer Chemical Company, a corporation of California
Application May 31, 1950, Serial No. 165,271
3 Claims. (Cl. 23—277)

1. Apparatus for the manufacture of carbon bisulfide comprising a furnace; an elongated tubular shell standing vertically in said furnace and having a first inlet for feeding sulfur into a lower portion of the vertical shell and a second inlet for feeding carbon into an upper portion of the vertical shell, and support means extending transversely of the shell and providing a support for carbon fed into the shell through said second inlet, said support means dividing the shell into an upper reaction zone wherein carbon and sulfur react and a lower zone wherein sulfur admitted to the lower portion of the zone is heated to a temperature whereat the sulfur reacts with the carbon to form carbon bisulfide, said support means including an apertured portion and a removable closure therefor adapted to be removed to permit ash and carbon on said support means to be discharged into the sulfur heating zone for removal from the tubular shell; a tubular insert in an upper portion of said lower zone concentric with and spaced from the adjacent portion of said tubular shell and having a spiral fin provided about its periphery adjacent to said tubular shell to provide a confined spiral passage therewith wherein sulfur vapor moves at an increased velocity as compared to the lower



portion of said lower zone; an outlet from said shell for products of reaction, said outlet being from said upper reaction zone and communicating with the upper portion of said shell above said support means; said shell being positioned in said furnace with at least that portion of the shell defining the sulfur heating zone confined within and receiving heat from the furnace.

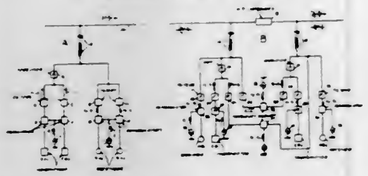
2,577,730
IRON OXIDE REDUCTION
Manson Benedict, Westfield, James B. Wagstaff, Ridgewood, and George B. Webb, Westfield, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application June 24, 1949, Serial No. 101,048
12 Claims. (Cl. 75—34)



1. In the reduction of iron oxide in a shaft-type furnace wherein the iron oxide descends in contact with a countercurrent reducing gaseous stream comprising carbon monoxide and hydrogen, the improvement which comprises withdrawing from said furnace a portion of said reducing stream after a part of said carbon monoxide and hydrogen have been converted, respectively, to carbon dioxide and water vapor by re-

action with said iron oxide, treating the withdrawn stream to physically eliminate a major portion of the water vapor therein, preparing a fresh reducing gaseous stream comprising carbon monoxide and hydrogen in a molar ratio of carbon monoxide to hydrogen in the range of about 0.5 to 2.5, combining the treated withdrawn stream and said fresh stream at an elevated temperature to effect the water-gas shift reaction and thus increase the molar ratio of carbon monoxide to hydrogen of the combined streams to a value in the range of about 1.2 to 4.0, and supplying said combined streams to said furnace as said reducing stream.

2,577,731
HIGH-FREQUENCY TRAFFIC SYSTEM OVER POWER SUPPLY LINES
François Charles Maurice Berger, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 27, 1947, Serial No. 770,913
In France February 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1962
7 Claims. (Cl. 179—2.5)

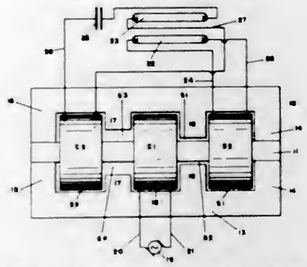


1. A high frequency communication system comprising a carrier circuit having two ends, a first station comprising means for generating a carrier and two intelligence signal bearing side bands of said carrier and means for coupling said station to one end of said circuit, a second station comprising means for receiving both said side bands, means coupled to said receiving means for selecting and retransmitting one of said side bands, means coupled to said receiving means for selecting and demodulating the other of said side bands and means for coupling said receiving means and said retransmitting means to a point intermediate the ends of said circuit, and a third station comprising means for receiving and demodulating said retransmitted side band and means for coupling said third station to the other end of said circuit.

2,577,732
PROCESS OF SPINNING VISCOSE
Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 16, 1950, Serial No. 196,086
18 Claims. (Cl. 18—54)

1. In a process for the manfacture and production of continuous or discontinous filaments of relatively high tenacity from viscose which includes partially regenerating the viscose filaments in a bath containing sulphuric acid and zinc and sodium sulphates wherein the proportion of the salts to the acid is such that immediate complete regeneration is prevented, then stretching the thus partially regenerated filaments with attendant reduction in cross-section and evolution of hydrogen sulphide while passing them through a dilute acid bath which contains less acid than the aforesaid bath and is maintained at a temperature above 60° C., which increases the plasticity of the partially decomposed cellulose xanthate filaments, the improvement which comprises providing said dilute acid bath with a sufficient amount of a salt selected from the group consisting of ammonium persulphate, sodium persulphate and potassium persulphate to minimize the evolution of hydrogen sulphide therein, whereby the formation of zinc sulphide is inhibited.

2,577,733
TRANSFORMER
John Herold Bridges, Fairburn, Ga., assignor to National Inventions Corporation, a corporation of New Jersey
Original application March 5, 1945, Serial No. 581,055. Divided and this application November 1, 1946, Serial No. 707,294. In Canada August 20, 1943
1 Claim. (Cl. 171—119)



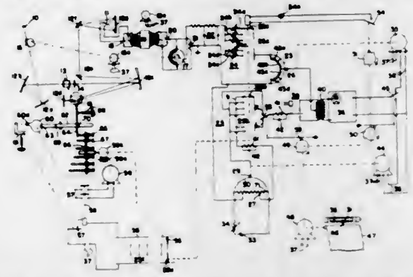
A three-coil transformer comprising a shell-type closed magnetic core having a central leg and two outer legs flanking said central leg on opposite sides thereof and providing a pair of main magnetic flux paths; two pairs of magnetic core shunts, those of one pair being shorter and substantially narrower than those of the other and defining three compartments between said pairs of shunts and providing two pairs of magnetic flux paths shunting across said main magnetic flux paths; a primary coil positioned on said central leg in the middle compartments; and two secondary coils positioned on said central leg, one in each compartment on opposite sides of said shunts from that housing the primary coil.

2,577,734
PLASTICIZED POLYVINYL ACETATE EMULSION
Howard C. Brinker, South St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application January 31, 1951, Serial No. 208,850
16 Claims. (Cl. 260—27)

1. Polyvinyl acetate emulsion plasticized with a composition comprising an ester of a polyhydric alcohol and abietic acid having at least one unreacted hydroxyl group.

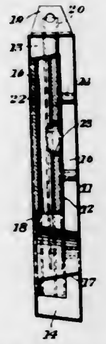
2,577,735
CONSECUTIVE RATIO RECORDER
George L. Broomell, Jr., Lower Gwynedd Township, Montgomery County, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 18, 1949, Serial No. 99,997
14 Claims. (Cl. 250—43)

1. A measuring system comprising a balanceable network including a calibration slidewire and a main slidewire, circuit-controlling means for applying to said network a signal varying in accordance with the magnitude of an arbitrarily selected reference condition for unbalancing said network, means responsive to the unbalance of said network for adjusting said calibration slidewire in a direction and to an extent sufficient to rebalance the network, said unbalance-responsive means being connected between the movable contact of said calibration slidewire and a fixed voltage point, said circuit-controlling means being operable after the rebalancing of said net-



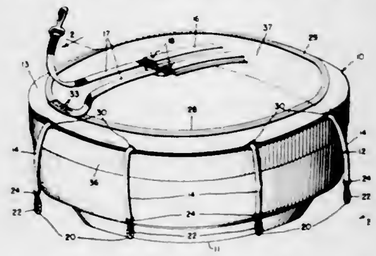
work to apply to said network a signal varying with the magnitude of a different condition and to connect said unbalance-responsive means between said movable contact of said calibration slidewire and the movable contact of said main slidewire for adjustment of said main slidewire in the direction and to an extent sufficient to equalize the voltages at said movable contacts of said slidewires to rebalance said network thereby to provide a measurement of the magnitude of said second-named condition with respect to the magnitude of said first-named condition.

2,577,736
WATER-COOLED FURNACE DOOR
Ely E. Brown and Emery Miller, Portsmouth, Ohio, assignors to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application July 13, 1946, Serial No. 683,444
3 Claims. (Cl. 122—498)



1. In a water-cooled furnace door for an open-hearth furnace or the like, a hollow panel having a main body with inner and outer walls between which cooling water is adapted to be circulated in a substantially unrestricted manner, said hollow panel further having peripheral hollow flanges extending inwardly and defining with said inner wall a recess adapted to be filled with a plastic refractory material, a plurality of substantially vertical keying pipe members within said recess and extending between and connected at their ends to the upper and lower of said flanges, the interior of said keying pipe members opening into the interior of said flanges, said keying pipe members further being between and spaced from said inner wall and the plane defined by the innermost edges of said recess, and a plurality of pipe pieces extending between said keying pipe members and said inner wall and interconnecting the interior of said main body of said hollow panel and the interior of said keying pipe members respectively, whereby a plastic refractory material may be rigidly anchored in said furnace door and the temperature thereof appropriately affected by circulation of water through said hollow panel, keying pipe members and pipe pieces.

2,577,737
PARACHUTE PACK
Graham B. Brown, Youngstown, Ohio
Application October 23, 1946, Serial No. 705,120
13 Claims. (Cl. 244—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

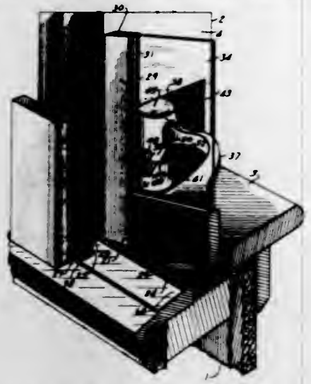


4. A parachute pack of the character disclosed comprising a plurality of joined sections adapted to enclose a parachute, a tape circularly arranged on one of said sections, means for securing said tape to said one of said sections so as to shear therefrom that portion embraced by the tape when a predetermined force is applied thereto thereby to provide an opening in the pack for release of the parachute therefrom, and a static line of a predetermined length arranged within a pocket on said one of the sections and having one end thereof adapted to be secured to an aircraft and the other end thereof secured to said tape for applying said force thereto when a load carried by the parachute has dropped a predetermined distance from the aircraft.

2,577,738
CASEMENT WINDOW HINGE
Harry A. Byram, Los Angeles, Calif., assignor, by decree of distribution, to Gertrude Nier Freeman and Mildred A. Nier
Application June 30, 1947, Serial No. 758,186
2 Claims. (Cl. 16—143)

1. A hinge for mounting a casement window sash in a window casing including, a pintle adapted to be mounted on the casing in spaced relation to the window sash and in parallel relation with the sash, said pintle having an enlarged portion at one end forming a shoulder, said shoulder having a recess therein, a sleeve rotatable and slidable on the pintle, one end of said sleeve being closed and the other adapted to abut the shoulder, said sleeve being longer than the pintle to form a space between the pintle and the closed end of the sleeve, a spring in the space

to urge sliding movement of the sleeve longitudinally of the pintle and away from the shoulder, a tongue on said other end of the sleeve seating in the recess to lock the sleeve against rotation when said other end abuts the shoulder, an arm on the



sleeve having a free end adapted to be secured to the window sash, and interengaging guide means in the sleeve and pintle for controlling the paths of rotary and sliding movement of the sleeve on said pintle.

2,577,739

PURIFICATION OF COBALT SULFATE SOLUTION

Ruth E. Churchward, Boulder City, Nev., and Francis K. Shelton, Kutch, Colo., assignors to the United States of America as represented by the Secretary of the Interior

No Drawing. Application January 27, 1949, Serial No. 73,212
1 Claim. (Cl. 23—117)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process for production of a cobalt sulfate solution, adapted for cobalt electrowinning, from manganese purification sludge containing sulfides of cobalt and manganese, comprising converting the said metal sulfides of the sludge into sulfates, forming a dilute sulfuric acid solution of said metal sulfates having a pH between 0.5 and 4.5, admixing this solution with anode sludge containing cobalt peroxide from cobalt electrowinning thereby converting the manganese sulfate of said solution to insoluble compounds of manganese and the cobalt content of said anode sludge to soluble sulfates, and removing the resultant manganese-containing sludge from the thus purified cobalt sulfate enriched solution.

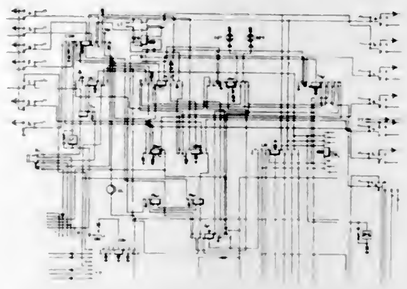
2,577,740

TELEPHONE EXCHANGE SYSTEM

Elgil Cohrt, Copenhagen, Denmark, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application July 1, 1947, Serial No. 758,452
In Denmark October 23, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 23, 1965
9 Claims. (Cl. 179—27)

1. In a telephone exchange system, operators' positions, means for concentrating the traffic at said positions, a concentration circuit, common to all said positions, selective switching apparatus associated with said concentration circuit for connecting to any one of said positions, settable switch means at each operators' position adapted to be set in any one of a plurality of settings each indicating a different operator's position, means associated with said concentration circuit and responsive to an incoming call at an operator's position where the settable switch means is set to indicate another operator's position for tak-



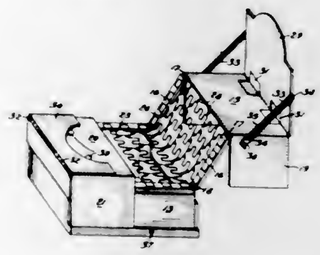
ing into use said selective switching apparatus and said concentration circuit, and means connected to and controlled by said concentration circuit for causing said selective switching apparatus to select the operator's position corresponding to the setting of said settable switch means and to transfer the incoming call thereto.

2,577,741

CONVERTIBLE HASSOCK AND BED

Catherine B. Creveling and Elmer V. Pennell, Patterson, N. Y.

Application August 18, 1949, Serial No. 111,026
3 Claims. (Cl. 155—45)



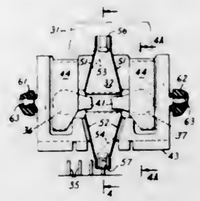
1. A folding bed and hassock combination comprising an intermediate hassock-forming section and bed-forming sections coupled in extensible relation to opposite sides of said hassock section to form therewith a full length bed and foldable into seated relation on said hassock section to form in such relation portions of the hassock formation, said bed-forming sections being hollow and telescopically engageable over the top of the hassock section, extension links hinged at opposite ends to the hassock and bed-forming sections, respectively, to project said bed forming sections away from the opposite sides of the intermediate hassock forming section when said bed forming sections are lifted off the top of the hassock section, said bed forming sections, by reason of their hollow structure, being engageable with the floor in self-supporting relation when so extended from the hassock section, and a bed spring carried by the hassock section and by said extension links and thereby extensible with said links when said bed forming sections are extended into the self-supporting relation described.

2,577,742

SELECTOR SWITCH BRUSH UNIT ASSEMBLY

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Original application September 14, 1946, Serial No. 697,148. Divided and this application July 9, 1948, Serial No. 37,753
12 Claims. (Cl. 200—166)



10. In a brush unit for selector switches having feeder strips and terminal pins, an insulating brush holder having a central opening, mounting trunnions laterally projecting from said holder, a brush wiper on each side of said holder, each wiper having a first and a second restricted contact making end projecting beyond the holder and formed to engage a feeder bar and the terminal pins, respectively, each wiper further having a central portion bent to contact within the opening of the holder with the corresponding portion of the other wiper, lateral tabs projecting from each central portion within said opening, triangular segments joining the ends of each wiper with the central portion, the triangular segments and the end having upstanding stiffening edges, bars engaging the central portions of each wiper within the opening, and means for attaching the bars to the wipers and to the holder.

2,577,743

METHOD AND COMPOSITION FOR PRODUCTION OF CELLULAR THERMOPLASTIC PRODUCTS

Chancey E. De Long, Freeland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application October 22, 1948, Serial No. 56,063
15 Claims. (Cl. 18—55)

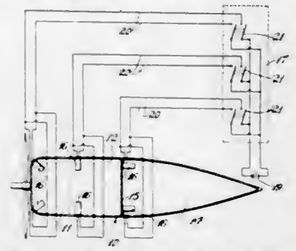
9. In a method wherein an elongated cellular body of predetermined cross-sectional size and shape is made by forming, at superatmospheric pressure, a flowable gel comprising a thermoplastic resin having a normally gaseous agent dissolved therein, extruding said gel through an orifice to a zone of lower pressure within a confined space between the walls of a shaping member, whereupon the extruded material expands against said walls during travel between the same, so that the cellular body being formed is shaped by the walls, the step of incorporating in the gel, prior to its extrusion, at least one stearate of the group consisting of barium stearate, calcium stearate, lead stearate and zinc stearate, said stearate being added in amount corresponding to 0.04 to 1 per cent of the weight of the resin component of the gel.

2,577,744

FIRE EXTINGUISHING SYSTEM

Delbert G. Faust, Caldwell, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application January 8, 1949, Serial No. 69,972
3 Claims. (Cl. 169—2)



1. Fire extinguishing means for a compartment comprising discharge means arranged for directing a fire extinguishing agent into the compartment; a source of pressure medium; a cartridge including a tubular casing for storing a charge of fire extinguishing agent having an opening at each end thereof, displaceable means for said openings for normally confining the charge in said casing, and apertured closure means secured to said casing for retaining said charge confining means; conduit means for establishing fluid flow communication between said source and one of said closure means; conduit means for establishing fluid flow communication between said other closure means and said discharge means; and coupling means for respectively connecting said conduit means and said closure means constructed and arranged to facilitate removal and replacement of said cartridge between said conduit means.

2,577,745

CUTTER FOR SOLID CARBON DIOXIDE

Lee Foster, Berwyn, Ill.

Application November 19, 1948, Serial No. 60,978
3 Claims. (Cl. 219—19)



1. A cutter for solid carbon dioxide comprising a rigid frame, a plurality of electric resistance wires across said frame and insulated therefrom for supplying heat, and means for maintaining said wires taut, said cutter being relatively heavy to cause the wires to move down through said solid carbon dioxide at an appreciable speed under the force of gravity only, and said cutter having a low center of gravity that is adjacent the wires and substantially at the center of the cutter to aid in maintaining the cutter substantially level.

2,577,746

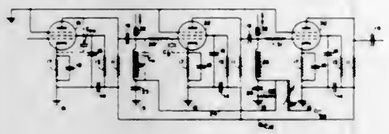
VARIABLE REACTANCE DECOUPLING CIRCUIT

William R. Faust and Hugo M. Beck, Washington, D. C.

Application November 11, 1944, Serial No. 563,045
4 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An amplifier circuit comprising a first and a second electron discharge device, a load circuit

connected to said first electron discharge device, a resonant input circuit for said second electron discharge device, said resonant input circuit being capacitively coupled to said load circuit, and a resistor connecting said input circuit and said



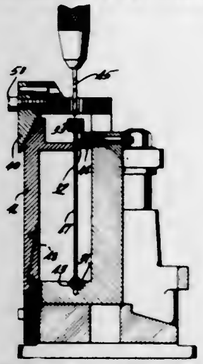
second electron discharge device, said resistor having a value substantially equal to the input capacitative impedance of the second electron discharge device at the resonant frequency of the input circuit.

2,577,747

METHOD OF MAKING TURBINE BLADES

Emil F. Gibian, East Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application September 25, 1946, Serial No. 699,114
4 Claims. (Cl. 29—156.8)



1. In a method of making turbine buckets, the improvements which comprise die-forging a metal blank having an anchoring root at one end, an extending portion at the other end, and an air foil portion between said ends, said anchoring root being in angular relation to the air foil portion and said extending portion projecting longitudinally beyond the air foil portion, simultaneously with said die-forging that produces said blank with said root, said extending portion, and said air foil portion forging on one face of the blank a first button on the root portion and a second button on the extending portion beyond the air foil portion, said buttons lying on a selected center line of the blank, engaging the buttons in recesses to hold the blank against lateral and longitudinal shifting, machining opposed surfaces of the root portion of the thus held blank whereby said surfaces will be gauged from the buttons, anchoring said opposed machined surfaces in a fixture to secure the blank, removing the first button from the root while machining the root of the thus secured blank to finished dimensions whereby the finished root surface will be gauged from said opposed surfaces and will be finished in accurate relation to the air foil portion, and cutting the extending portion and button thereon from the air foil portion to produce a turbine blade having an anchoring root and an air foil portion projecting therefrom.

2,577,748

ELECTRICAL CONNECTOR

Daniel C. Gillespie, Oak Park, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application October 9, 1947, Serial No. 778,873
15 Claims. (Cl. 285—6.5)



4. A cable connector comprising in combination, a tubular body adapted to receive a cable therethrough, and a resilient finger extending from said tubular body at one side thereof and toward the opposite inner surface of the tubular body, said finger being curved on its end away from said body surface and the finger on this end and said surface being each provided with a plurality of gripping teeth for gripping a cable between the finger and said surface, said finger adjacent its junction with said body being perforated for giving additional resiliency to the finger at this point, said teeth having a height approximately equal to the thickness of the material forming the tubular body.

2,577,749

METHODS OF MAKING INSOLE MATRICES

Stanley M. Griswold, Newton, and Hans C. Paulsen, Medford, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 19, 1946, Serial No. 717,122
6 Claims. (Cl. 144—309)



1. That improvement in methods of making welt-insole matrices which comprises providing a first pattern having a line indicating the width of the feather and a block larger than the pattern, making from the first pattern a second pattern like the first pattern except that its edge is at a uniform distance from the rib location line on the first pattern equal to the greatest width of the feather, cutting the block to correspond to the size and shape of the second pattern, forming in the block a groove which is located at a uniform distance from its edge, and reducing the block to the size and shape of the first pattern.

2,577,750

MATRIX FOR USE IN MAKING WELT INSOLES

Stanley M. Griswold, Newton, and Hans C. Paulsen, Medford, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 29, 1948, Serial No. 30,078
5 Claims. (Cl. 12—20)

1. A matrix for use in making welt insole pairs comprising a single insole-shaped pattern block having parallel faces in each of which is a groove corresponding in depth, width and location respectively to the height, thickness and location of



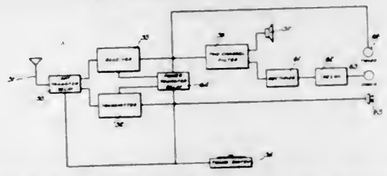
the insole rib desired, said block having on its edge face a plurality of surfaces one of which is located at a uniform distance from said grooves and forms a gaging abutment.

2,577,751

REMOTE SUPERVISORY RADIO SIGNALING SYSTEM

William S. Halstead, Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana

Original application April 12, 1941, Serial No. 388,338, now Patent No. 2,459,105, dated January 11, 1949. Divided and this application March 24, 1945, Serial No. 584,589
3 Claims. (Cl. 250—6)



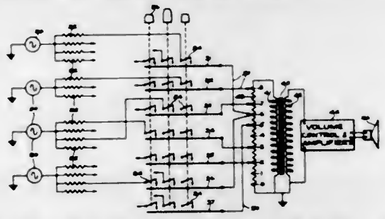
1. In a signaling system of the type described, a transmitter adapted to be under selective control of an operator and receiver, a relay transferring power alternatively to said transmitter and said receiver during the interval when said transmitter is not under control of said operator, periodic means for energizing said relay, and a monitoring signal actuated by the movement of said relay so as to indicate when power is transferred to said transmitter.

2,577,752

TONE QUALITY CONTROL CIRCUIT FOR ELECTRICAL MUSICAL INSTRUMENTS

John M. Hanert, Park Ridge, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application August 22, 1949, Serial No. 111,741
1 Claim. (Cl. 84—1.21)



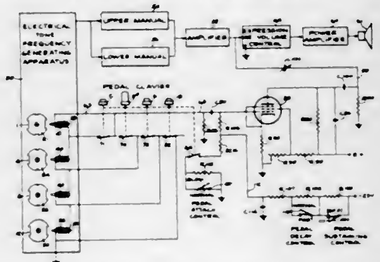
In a tone quality control apparatus for an electrical musical instrument having an output system and being of the type in which electrical tone frequency signals of substantially equally effective amplitudes are impressed upon bus bars through decoupling resistances by the operation of playing keys, a multi-tapped resistance element of overall resistance small relative the values of the decoupling resistances and having terminals for connection to the output system, and means for selectively connecting the bus bars to the taps on the resistance element.

2,577,753

ELECTRICAL MUSICAL INSTRUMENT WITH TONE SUSTAINING MEANS

John M. Hanert, Park Ridge, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application August 22, 1949, Serial No. 111,742
6 Claims. (Cl. 84—1.26)



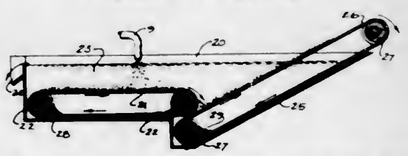
1. In an electrical musical instrument having an electrical tone signal generating system, an output system including an expression pedal, and selectively operable keys for causing transmission to the output system of signals from the generating system with predetermined rates of attack and decay, means for greatly reducing the decay rate including a switch, and operating means for the switch mounted on the expression pedal and operable by the player's foot while positioned on the expression pedal.

2,577,754

CLASSIFIER

Harlowe Hardinge, York, Pa., assignor to Hardinge Company, Inc., York, Pa., a corporation of New York

Application January 13, 1947, Serial No. 721,679
4 Claims. (Cl. 209—463)



1. A method of classifying particles which settle in a body of liquid according to differences in the settling rates of the particles comprising introducing a mixture of particles of different settling rates into a relatively quiescent body of liquid having an upper zone free from a positive classifying current, whereby the particles fall freely downward through the relatively quiescent zone of liquid, maintaining a path of withdrawal movement for settled particles through the liquid body along a moving surface which intercepts the line of fall of the particles intermediate the depth of the liquid body but sufficiently below the level of particle introduction to effect an initial classification of the falling particles in accordance with the existing settling rates thereof in relatively quiescent liquid, supporting and moving the particles which settle to said surface with the same and away from the line of particle fall at a velocity inducing a positive classifying turbulence

in and surrounding said path which is uniform along any line taken across the path and parallel thereto, to effect an additional classification of particles adjacent said path which is uniform along any line taken across said path and parallel thereto, and controlling the speed of the said moving surface to obtain the desired classification.

2,577,755
ALTERNATING-CURRENT SIGNALING SYSTEM
Thomas Frederick Stanley Hargreaves and William Frederick Gould, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 27, 1948, Serial No. 23,438
In Great Britain April 30, 1947
24 Claims. (Cl. 179—84)



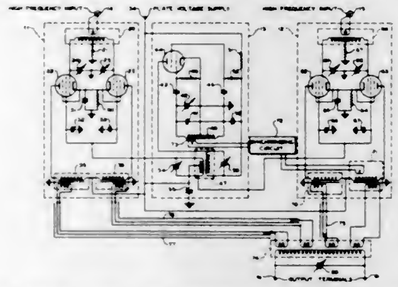
1. In a communication system wherein intelligence signals are transmited in a predetermined frequency band and another signal is transmitted at a predetermined frequency in said band, a receiver comprising means for selecting said other signal, means for producing from said selected signal two opposing signals of substantially the same time relation, one of said opposing signals having predetermined rise and decay times and the other of said opposing signals having rise and decay times respectively shorter and longer than the rise and decay times of said one opposing signal, and voltage amplitude responsive utilization means connected to said producing means and selectively responsive to said opposing signals.

2,577,756
COLOR TELEVISION
Thomas T. Harrington, Berkeley, Calif.
Application June 3, 1946, Serial No. 673,949
3 Claims. (Cl. 178—5.4)



1. In a color television system which includes a signals generating apparatus with simultaneous component color image forming optical system and having an internal variable energy image screen consisting of an alkali halide material whose internal energy can be raised or lowered by the influence of different radiations and of the type in which image forming luminous radiations falling on each volume element of said image screen producing volume instead of surface effects in the form of rising electrical energy within said volume elements, said rising energy being proportional to the intensity of said luminous radiations, an integrant part of the system being inherently capable of producing additive-color record signals substantially free from secondary electron redistribution effects and the generation of spurious color record signals due to electrons on the surface between nearby elemental areas, the combination which comprises an internal variable energy image screen, optical system adapted to simultaneously project by luminous radiations on the volume elements of said screen a plurality of separated substantially identical optical images corresponding to different color components of an object to simultaneously produce within the volume elements of said screen corresponding electrical energy charge images representative of the different color components, means to generate a beam of electron radiations of proper intensity, means for scanning said image screen with said beam to produce corresponding trains of additive-color record signals, and means for transmitting said signals.

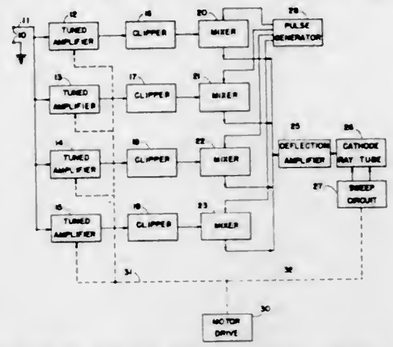
2,577,757
VERY HIGH-FREQUENCY RADIO RECEIVING SYSTEM
Robert Winfield Hart, United States Navy, Lynn, Mass.
Application May 15, 1946, Serial No. 669,771
13 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



12. Apparatus for dividing the frequency of a radio frequency wave to obtain a lower frequency output signal comprising, a tuned output circuit resonant at said lower frequency, means for generating a control signal having said lower frequency, a plurality of rectifying circuits operative in response to said control signal for producing positive half-wave components of said radio frequency wave, and means for applying said half-wave components to said output circuit, said last-mentioned means including a plurality of delay lines each being of such electrical length that the half-wave components from all of said rectifying circuits arrive in phase at said output circuit.

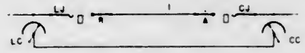
2,577,758
FREQUENCY INDICATOR
Allen E. Hastings, Washington, D. C.
Application November 14, 1945, Serial No. 628,641
8 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

7. A frequency analyzer comprising a plurality of frequency selective amplifier channels each tunable over a distinct frequency band, a common input signal path for said amplifier channels for applying the signals to be analyzed to said channels in parallel, a cathode ray tube indicator coupled to the output of said amplifier channels, means deflecting the electron beam of said cathode ray tube indicator in a first direction and for synchronously tuning said channels over their respective frequency bands, and means for deflecting the electron beam in uniform steps perpendicularly to the first direction at a rate operative to provide a plurality of distinct parallel



beam traces one for each amplifier channel, said last named means being further coupled to said amplifier channels to render the latter operative to deliver output signals to said indicator tube in sequential alternation.

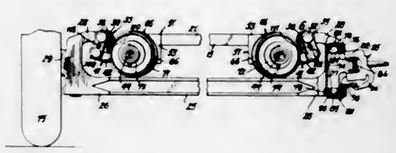
2,577,759
TRUNK TELEPHONE OFFICE WITHOUT THREE CORDS
Andre Jean Henquet and Marcel Roger Mauge, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 23, 1947, Serial No. 763,062
In France November 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 13, 1962
8 Claims. (Cl. 179—27)



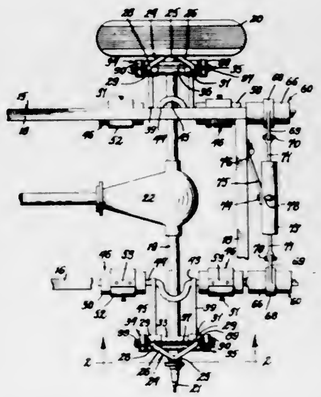
1. A telephone exchange system comprising a plurality of lines including a calling line and a called line, a cord circuit connecting the calling and called lines, a plurality of switches each having a plurality of terminals multipled to said lines and a plurality of brushes, a switch driving system, means actuated by the connection of the cord circuit between the calling and called circuits for actuating the driving system, a plurality of supplemental circuits each connected at each end to the brushes of a different switch and means for arresting the switches when a switch connected to a supplemental circuit contacts the calling line.

2,577,760
SPRING SUSPENSION FOR VEHICLES
Albert F. Hickman, Eden, N. Y., assignor to Hickman Industries, Inc., Eden, N. Y., a corporation of New York
Application May 8, 1947, Serial No. 746,679
8 Claims. (Cl. 280—96.1)

1. In a spring suspension for a vehicle frame and having an axle extending laterally of said frame and means yieldingly supporting said frame on said axle, the combination therewith of a ground engaging wheel, a member, an angularly disposed king pin pivotally connecting said member and said wheel, a vertically disposed king pin arranged to one side of said first king pin and pivotally connecting said member to said axle to swing about a vertical axis and permitting movement of said wheel and member relative to said axle in a horizontal plane and transversely of the axis of said wheel, and means yieldingly restraining said movement of said member relative to said axle, comprising a pair of extensions on said axle and projecting alongside said member in front and in rear thereof, and a rubber pad interposed between each of said extensions and said member and yieldingly holding said wheel and member in centered relationship to said axle.

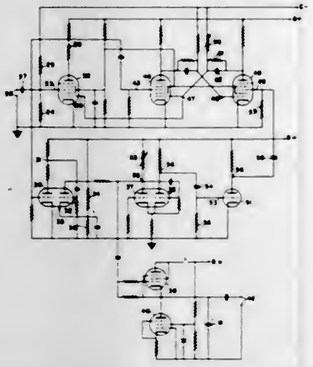


2,577,761
SPRING SUSPENSION FOR VEHICLES
Albert F. Hickman, Eden, N. Y., assignor to Hickman Industries, Inc., Eden, N. Y., a corporation of New York
Application November 4, 1948, Serial No. 58,300
6 Claims. (Cl. 267—21)



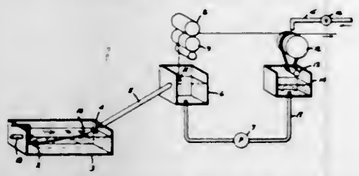
1. In combination with a spring suspension adapted to be interposed between the frame structure and axle structure of a vehicle and having a pair of rubber torsion sleeves adapted to be secured to one of said structures, a crank shaft having a central crank arm and having its opposite ends fastened within said rubber torsion sleeves and a shackle adapted to connect the free end of said crank arm with the other of said structures, the combination therewith of means for selectively adding to the resistance to the rotation of said crank shaft, comprising an axial extension at one end of said crank shaft and projecting outwardly from the corresponding one of said rubber sleeves, a spring adapted to be mounted on said one of said structures, a lost motion mechanism between said extension and said spring and arranged to operatively connect said spring with said extension and means arranged to selectively take up the lost motion of said lost motion mechanism.

2,577,762
INTERVAL GUARD
Conrad H. Hoeppner, Washington, D. C., and Carl Harrison Smith, Jr., Arlington, Va.
Application October 31, 1945, Serial No. 625,934
6 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



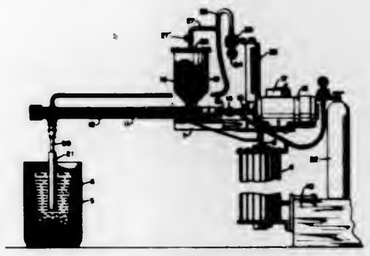
2. Apparatus for producing a uniform time interval comprising, a shield tube for amplifying input signals, a time interval signal generator connected to said shield tube responsive to signals amplified thereby, switching means also connected to said shield tube responsive to signals amplified thereby to render said shield tube inoperative, and delay means connecting said time interval generator and said switching means responsive to and delaying a signal from said time interval generator corresponding to the end of the time interval generated thereby, said switching means also being responsive to said delayed signal in such a manner as to render said shield tube operative.

2,577,763
WET SPINNING PROCESS
Howard M. Hoxie, Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 5, 1949, Serial No. 125,679
13 Claims. (Cl. 18—54)



1. A method of forming artificial and synthetic fibers and other shaped articles which comprises continuously extruding a solution of the material to be shaped into a setting bath comprising a mixture of the solvent and a liquid precipitant for the material, which precipitant is an extractive for the solvent, continuously withdrawing the shaped article from the setting bath to the atmosphere, continuously washing the article, as it emerges from the setting bath and above the level of the setting bath, with a stream of liquid flowing continuously and directly into the setting bath countercurrently to the article emerging from the bath, said washing liquid consisting of the precipitant, and, at most, a minor proportion of the extrusion solvent, and continuously correlating the relative proportions of precipitant and solvent in the liquid flowing into the setting bath from the washing with the amount of solvent introduced into the bath by the solution of the material to be shaped, to thereby maintain the relative proportions of precipitant and solvent in the setting bath substantially constant from the beginning to the end of the extrusion.

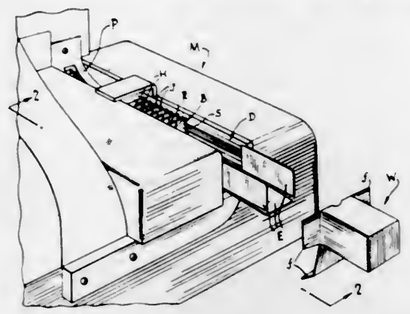
2,577,764
DESULFURIZATION OF FERROUS METALS
Philip M. Hulme, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 4, 1949, Serial No. 125,607
2 Claims. (Cl. 75—51)



1. The method of treating molten ferrous metal containing sulphur with calcium carbide to produce a reaction between said sulphur and said calcium carbide which comprises feeding an inert gas at a regulated rate of flow into a duct having an outlet at a substantial distance below the surface of said molten metal to provide a substantially continuous flow of said gas through said duct and into said molten metal, separately feeding finely divided particles of calcium carbide into said gas stream for substantially continuous introduction therewith into the molten metal, and regulating the feeding of said calcium carbide independently of the feeding of said gas but in predetermined relationship thereto to maintain the flow of calcium carbide relative to the flow of gas in a ratio within the range of from about one-fourth to about two cubic feet of gas per pound of calcium carbide, whereby the particles of said calcium carbide are wetted by said molten ferrous metal as said particles rise therethrough.

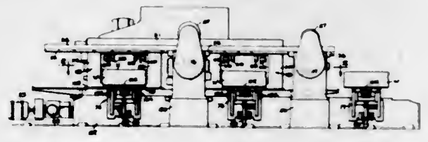
2,577,765
PACKAGING BEVERAGE INFUSOR UNITS HAVING STRING HANDLES AND TAGS
Hans O. Irmscher, East Hempstead, N. Y., assignor to National Urn Bag Co. Inc., a corporation of New York
Application June 26, 1948, Serial No. 35,373
9 Claims. (Cl. 99—171)

1. A packaging method for a plurality of individual beverage infusor units each having a string handle secured by one end thereof only and terminated by a tag at a free end thereof comprising the steps of arranging each unit with the string handle extending across a rear side thereof, moving a predetermined number of said units as a group in a direction with said rear side and string handle leading and with the tag trailing, inserting said group wholly within a container through an opened closure, and closing said container closure with at least the last trailing tag positioned



against a front side of said unit opposite said rear side.

2,577,766
MULTIPLE STATION MACHINE TOOL
Arthur W. Johnson and Elmer L. Fagerstrom, Rockford, Ill., assignors to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application December 7, 1949, Serial No. 131,638
4 Claims. (Cl. 90—21)



1. A machine tool organization having, in combination, an elongated table mounted for horizontal endwise reciprocation between advanced and retracted positions, at least two U-shaped frames rigidly secured to and upstanding from the top of said table in inverted positions and spaced apart along the table a distance corresponding to the stroke of the table, work fixtures one secured to said table between the depending legs of each of said frames and opening laterally of the table to receive a workpiece by movement thereof generally horizontally into and out of the path of travel of said frames, clamping shoes mounted on the closed end portions of said U-shaped frames and engageable with the tops of the workpieces therein, power actuators on said frames for projecting said shoes downwardly against the workpieces, cutters spaced along said table and acting during the advance of said table to machine the exposed faces of the workpieces in the respective fixtures, abutments formed on said fixtures for engaging the workpieces in said fixtures and transmitting the cutter thrust to the legs of said frames, at least three transfer devices spaced apart along the table distances equal to the spacing of said fixtures and the table stroke whereby each fixture is disposed opposite one of said devices in said retracted position of the table and opposite the succeeding transfer device when the table is in said advanced position, each of said devices including a platform swingable transversely of the table between a horizontal work-receiving position alongside the table and an upright position adjacent the side opening in one of said fixtures, means on each of said platforms for connecting a workpiece detachably thereto, and individual power actuated mechanisms for swinging said transfer devices between said horizontal and upright positions to insert the workpieces thereon into said fixtures or to remove workpieces from the fixture.

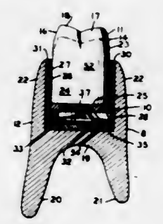
2,577,767
STABLE, WATER SOLUBLE, CATIONIC MELAMINE FORMALDEHYDE RESINS
George F. Jones, Glens Falls, N. Y., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y., a corporation of New York
No Drawing. Application March 9, 1950, Serial No. 148,748
13 Claims. (Cl. 260—67.6)

1. A method of preparing a stable, water soluble cationic resin which comprises mixing one mole equivalent of melamine, a water soluble polyhydroxy compound selected from the group consisting of glycerin, glycol, diethylene glycol and polyethylene glycols of higher molecular weight, formaldehyde and an alkylol amine together until a homogeneous mixture is obtained, temporarily adjusting the pH of the mixture to from 0.5 to 2.0, and then raising the pH to from 6 to 7, said polyhydroxy compound being present in an amount of from 10% to 50% of the total weight of the active materials, said formaldehyde being present in an amount of at least seven and one-half moles for each mole of melamine, said alkylol amine being present in at least an equimolecular quantity with the melamine.

2,577,768
OXIDATION OF CUMENE
George G. Joris, Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 19, 1949, Serial No. 105,648
3 Claims. (Cl. 260—610)

1. In a process for oxidizing cumene to cumene hydroperoxide in liquid phase with elemental oxygen as oxidizing agent, the improvement which comprises maintaining solid sodium bicarbonate in contact with said cumene, at reaction temperature in the range between about 60° C. and about 90° C.

2,577,769
DENTURE
Harry Kane, Brooklyn, N. Y.
Application December 31, 1947, Serial No. 795,044
4 Claims. (Cl. 32—2)

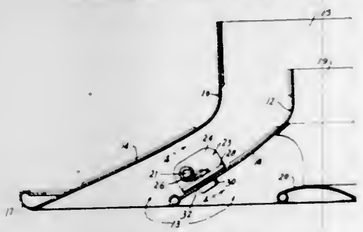


1. A denture comprising: a denture base; a tooth; and means to detachably engage said tooth with said base, said means including a channel in said tooth and a rotatably engageable finger in said channel.

2,577,770
ALKYD RESINS
Peter Kass and Zeno W. Wicks, New York, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application August 7, 1946, Serial No. 688,978
4 Claims. (Cl. 260—22)

4. An alkyd oil having a viscosity of less than 125 poises at 25° C. and an acid number of not more than 15.5, formed by esterifying in an inert atmosphere without the aid of a transesterification catalyst: 100 parts by weight of polymerized pentaerythritol having in the average not more than 38 per cent and not less than 25 per cent reactive hydroxyl, first with 350 to 525 parts by weight of drying oil acids and then with 15 to 50 parts by weight of a polycarboxylic acid, the number of hydroxyl groups before reaction being substantially equal to the number of carboxyl groups.

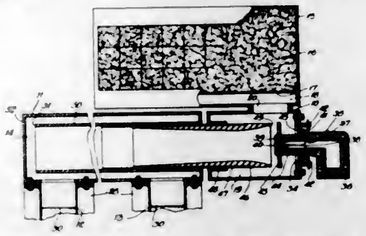
2,577,771
AIR DISTRIBUTION OUTLET
Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application June 3, 1947, Serial No. 752,040
3 Claims. (Cl. 98—40)



1. An air distribution outlet comprising a rectangular unit adapted for connection with an air supply duct and having laterally spaced elongated outer side walls and end walls rigidly connecting the ends of said side walls, an inner unit disposed between said outer walls and having laterally spaced sides substantially coextensive and coacting with the respective outer side walls to form elongated air discharge openings along opposite margins of said outer unit, a pair of right angular brackets hinged on each of said end walls near the outer margins thereof to swing in the planes parallel thereto, and a flange on each of said brackets forming an abutment for one of said sides of said inner unit and having a threaded aperture opening toward such side, a screw journaled on said side in a position to enter said aperture when the side is in abutment with the adjacent flange, the two brackets along either side wall of said outer unit constituting a hinge for said inner unit permitting downward swinging of the latter when the screws on the other side of the inner unit are withdrawn from their brackets.

2,577,772
RADIANT GAS BURNER, INCLUDING AIR FILTER AND VENTURI MIXER
Walter Kennedy, Cliffside Park, N. J.
Application October 3, 1947, Serial No. 777,721
4 Claims. (Cl. 158—113)

1. A gas appliance of the character described, comprising two casings having end walls, said casing being arranged end to end in spaced relation, adjacent end walls of said casings having integral tubular portions centrally thereof and extending into the casings, said tubular portions forming large alined common diameter openings in said end walls, the tubular portion of one casing extending throughout the major portion of the length of said casing and forming with the inside of said casing a distributing chamber in said casing around said tubular portion, the inner end of said tubular portion opening into said chamber, said casing having a pair of openings spaced longitudinally of one side wall thereof and communicating with said distributing chamber, the other casing having an air admission port at one side thereof spaced with respect to



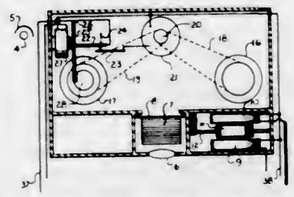
the tubular portion thereof, a tube fitting snugly in and supported by the tubular portions of said casings and joining said spaced casings to form a continuous gas and air passage from the second named casing into the distributing chamber of the first named casing, said tube being fixed to the tubular portion of the first named casing, the second named casing having a gas supply pipe, a gas discharge nozzle supported on said pipe and extending into the second named casing, a venturi in said tube and having an end arranged adjacent said nozzle to receive fuel therefrom, an air admission casing communicating with said air admission port, and means adjustable longitudinally of the nozzle controlling admission of air into said venturi.

2,577,773
TERNARY DETERGENT COMPOSITIONS
Joseph M. Lambert, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 26, 1947, Serial No. 737,437
3 Claims. (Cl. 252—152)

3. A germicidal detergent composition comprising a mixture of an organic anionic detergent and a germicidal quaternary ammonium compound in relative proportions of from 1:4 to 12:1, said mixture containing a water-soluble nonionic surface active agent having a polyglycol ether group, the ratio of said nonionic agent to the combined weight of said anionic detergent and said quaternary ammonium compound being within the range of 1:9 to 1:1.

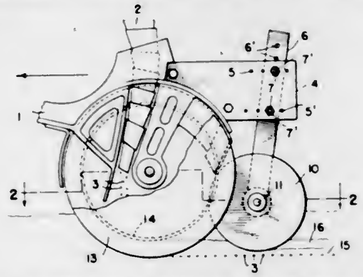
2,577,774
AUTOMATIC EXPOSURE TIMER FOR CAMERAS
Robert H. Lee, Indianapolis, Ind., assignor, by mesne assignments, to Micro Recording Company, a corporation of Florida
Application October 9, 1946, Serial No. 702,124
6 Claims. (Cl. 95—53)

1. A system for operating the shutter of a camera comprising, in combination, means for opening said shutter, electrically operated shutter closing means, first and second electromagnetic relays each having a pair of normally open contacts which close upon energization of the relay, an energizing circuit for said shutter closing means including the normally open con-



tacts on both of said relays connected in series circuit relation, means controlled by operation of said shutter opening means for energizing said first relay, and a time delay device controlled by said first relay upon energization thereof for energizing said second relay after a predetermined time delay.

2,577,775
COMBINATION OF ROTARY FURROWER AND PRESS WHEELS
Paul E. Lemmon and Arthur J. Johnson, San Fernando, Calif.
Application May 20, 1949, Serial No. 94,491
3 Claims. (Cl. 111—85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a seed drill having a frame, and means for opening a furrow mounted thereby, comprising two rolling cutting plates toed-in toward each other at their forward edges and tilted away from each other at their upper edges, and tube means between said cutting plates for dropping seed; in combination therewith, a pair of press wheel rollers having ground-contacting, soil-packing surfaces mounted on the frame toward the rear of said cutting plates and tube, the press wheel rollers being toed-in toward each other forwardly and tilted away from each other at their upper edges, and being mounted so that their lowermost edges are higher than the lowermost cutting edge of the furrow opening cutting plates but below the upper edges of the furrow, and so that the forward edges of the press wheel rollers are within and over-lapped by the rearward edges of the cutting plates, the ground-contacting, soil-packing surfaces of the press wheel rollers being closely adjacent each other and being adjacent the cutting plates, the means for mounting the press wheel rollers upon the frame including means for adjusting the press wheel rollers toward and away from the cutting plates and the lower end of the tube means for dropping seed.

2,577,776
3,22-DIACYLOXY-5,7,9(11),20(22)-BISNORCHOLATETRAENES
Robert H. Levin, A Vern McIntosh, Jr., and George B. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 1, 1950, Serial No. 182,891
6 Claims. (Cl. 260—397.5)

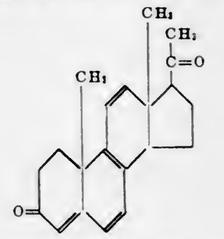
1. A 3,22-diacyloxy - 5,7,9(11),20(22) - bisnorcholatetraene wherein the acyloxy groups are of the formula AcO, Ac being the residue of an unsubstituted organic monocarboxylic acid containing up to and including eight carbon atoms.

2,577,777
3,20-DIACYLOXY-5,7,9(11),17(20)-PREGNATETRAENES
Robert H. Levin, A Vern McIntosh, Jr., and George B. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 1, 1950, Serial No. 182,892
6 Claims. (Cl. 260—397.5)

1. A 3,20-diacyloxy-5,7,9(11),17(20) - pregnatetraene, wherein the acyloxy groups are of the formula AcO, Ac being the residue of an unsubstituted organic monocarboxylic acid containing up to and including eight carbon atoms.

2,577,778
PREPARATION OF 4,6,8(9),11-PREGNATETRAEN-3,20-DIONE
Robert H. Levin, George B. Spero, and John L. Thompson, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 9, 1950, Serial No. 184,112
5 Claims. (Cl. 260—397.3)

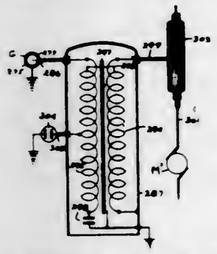
1. The compound 4,6,8(9),11-pregnatetraen-3,20-dione, represented by the formula:



2,577,779
ICING DETECTION DEVICE
John E. Lindberg, Redwood City, Calif.
Application August 30, 1947, Serial No. 771,533
3 Claims. (Cl. 177—311)

1. In means for indicating the formation of ice in a zone subject to icing conditions and normally occupied by a gaseous mixture including water vapor as the source of the ice which may be formed in the zone, a condenser disposed in said zone and providing a dielectric gap arranged for the formation of ice therein under icing conditions in the zone, a balancing condenser disposed outside of said zone, a transformer disposed outside of said zone and having its secondary coil connected in a circuit including said condensers at the opposite coil ends, a source of

oscillating electrical energy connected with the primary coil of the transformer for energizing the same, and an electrically actuatable means for automatic actuation having one terminal con-



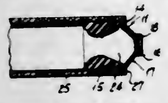
nected to said secondary coil at an intermediate point thereof and having its other terminal connected to the condenser terminals not connected to the secondary coil.

2,577,780

CROWNED CUPPED RESILIENT PLUG FOR CYLINDRICAL PASSAGES

Marshall L. Lockhart, Rutherford, N. J., assignor, by direct and mesne assignments, to The Compule Corporation, Rutherford, N. J., a corporation of New Jersey

Application May 9, 1950, Serial No. 160,987
11 Claims. (Cl. 128—220)



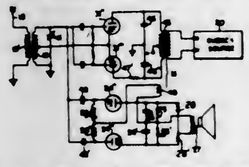
1. A crowned cupped resilient plug for tubular structures comprising a hollow, substantially cylindrical base sleeve section having relatively thick walls to be appreciably resistive to distortion while permitting limited diametrical constriction to allow fluid-tight fitting into a tubular structure; a domed, protruding closure end circumferentially joined to one end of said sleeve section; and a stiffened, transversely-extending, central section on said domed closure end defining between its margin and said sleeve section a substantially conical zone portion, said closure end zone being of greater flexibility than said central section and said sleeve section with the generatrix of the outer surface of said zone being disposed substantially at an angle to the axis of said plug of between about 45° and a few degrees less than 90°.

2,577,781

WAVE-SIGNAL RECEIVER

Bernard D. Loughlin, Bayside, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application March 19, 1946, Serial No. 655,458
15 Claims. (Cl. 250—20)



1. A wave-signal receiver for receiving an angular-velocity-modulated wave signal having modulation components in a predetermined frequency range comprising, a tuned circuit, a regenerative circuit including said tuned circuit and having a superregenerative frequency-response characteristic which increases with frequency deviations in a given direction from a predetermined frequency in said range, a regenerative circuit including said tuned circuit and having a superregenerative frequency-response characteristic which increases with frequency deviations in the opposite direction from said predetermined frequency in said range, means for exciting said tuned circuit with said wave signal, means for quenching said regenerative circuits at substantially the same frequency one during alternate operating periods and the other during the intervening operating periods which periods have substantially equal durations, thereby to provide superregeneration, a pair of modulation-signal detectors individually coupled to said tuned circuit, means for controlling said detectors alternately and in synchronism with said operating periods to detect signal outputs from said regenerative circuits which are developed in said tuned circuit, and means for combining said detected signal outputs to develop the modulation components of said wave signal.

15. A wave-signal receiver for receiving an angular-velocity-modulated wave signal having modulation components in a predetermined frequency range comprising, a tuned circuit, first and second regenerative circuits each including said tuned circuit, means for causing at least one of said regenerative circuits in its oscillatory state to apply a feed-back output voltage to said tuned circuit having a quadrature-phase relation to the voltage induced in said tuned circuit by a wave signal applied thereto effectively to change the resonant frequency of said tuned circuit during the oscillatory state of said one regenerative circuit, thereby so to shift the resonant frequency of said tuned circuit in response to the oscillatory state of said one regenerative circuit that said regenerative circuits have superregenerative frequency-response characteristics which vary in opposite senses with frequency from a predetermined frequency in said range, means for exciting said tuned circuit with said wave signal, means for quenching said regenerative circuits one during alternate operating periods and the other during the intervening operating periods which periods have substantially equal durations, thereby to provide superregeneration, a pair of modulation- signal detectors individually coupled to said regenerative circuits, means for controlling said detectors alternately to detect signal outputs from said regenerative circuits in synchronism with said operating periods thereof, and means for combining said detected signal outputs to develop the modulation components of said wave signal.

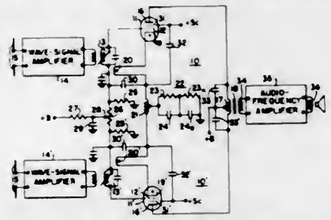
2,577,782

SUPERREGENERATIVE FREQUENCY-MODULATION RECEIVER

Bernard D. Loughlin, Lynbrook, N. Y., assignor to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application June 7, 1947, Serial No. 753,237
13 Claims. (Cl. 250—20)

1. A superregenerative frequency-modulation receiver comprising, a first self-quench type of superregenerative circuit, including a regenerative oscillatory circuit, for operation in the saturation-level mode and having a controlling circuit in which is derived a control signal varying with a characteristic of a saturation-level pulse developed in said superregenerative circuit, a second superregenerative circuit including a regenerative oscillatory circuit and a controlled circuit which controls a pulse developed in said second superregenerative circuit, said controlled circuit being coupled to said controlling circuit and being responsive to said derived control signal for rendering said last-mentioned pulse responsive to said characteristic of said pulse developed in said first superregenerative circuit, said first superregenerative circuit including a self-quench network coupled to said second superregenerative circuit and providing for each said superregenerative circuits



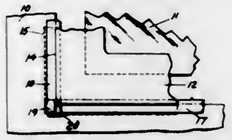
alternate periods of positive and negative conductance in which said negative conductance periods of said first and second superregenerative circuits coincide over substantial portions thereof, said regenerative oscillatory circuits being so proportioned as to have substantially different resonant frequencies for providing for said first and second superregenerative circuits substantially different superregenerative frequency-response characteristics to cause the operation of at least one of said superregenerative circuits by virtue of said coupling to have an increased ratio of its frequency-modulation response to its amplitude-modulation response.

2,577,783

WINDOW MOUNTING

Arnold M. Skudre, Quincy, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application November 1, 1949, Serial No. 124,865
6 Claims. (Cl. 20—56.4)



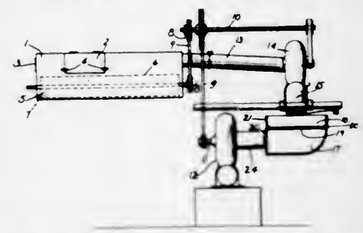
1. Means for mounting a first piece of sheet material in an aperture in a second piece of sheet material, where the aperture is of the same shape and larger than said first piece comprising a resilient member adapted perimetrically to embrace said first piece and having a first groove wherein said first piece fits, the outer boundary of said member being freely but snugly fittable into said aperture when said member embraces said first piece, an outwardly directed flange on said member adapted to overlie on one face the material of said second piece immediately surrounding said aperture, and a second groove in said outer boundary disposed to lie substantially flush with the remaining face of said second piece when said flange is in contact with said one face, a plurality of flat elongated strips of solid material dimensioned to be engageable within said second groove and simultaneously overlie said remaining face, said strips being disposed with their flat sides parallel to the same plane on the same side of said second piece of sheet material, and each two adjacent strips having their long dimensions at an angle and crossing each other in a region near an end of each, the end material beyond said region of the strip nearer to said second piece of sheet material being bent away from said second piece and over the body of the adjacent crossing strip in a plane parallel to said plane, and the end material of the adjacent crossing strip being similarly bent away from said second piece and over the body of said bent-over end material of said strip nearer to said second piece to overlie said first bent-over end so that said strips are continuous locking strip around said second interlocked each with its neighbors to form a groove.

2,577,784

METHOD AND APPARATUS FOR MAKING FIBROUS SHEET MATERIAL

Thornton L. Lynam, North Dartmouth, Mass., assignor to Fibre Leather Manufacturing Corporation, New Bedford, Mass., a corporation of Massachusetts

Application February 7, 1946, Serial No. 646,139
2 Claims. (Cl. 154—29)



1. The method of manipulating dry fibers to form a web, comprising the steps of separating and dispersing the individual dry fibers into a gaseous medium, in independent random arrangement with respect to each other in all three dimensions throughout the volume of the gaseous medium to form a floating suspension therein, continuously maintaining the fibers in such floating randomly dispersed suspension at and immediately prior to the instant of web formation and at the point of web formation subjecting said dispersion of fibers to a localized suction thereby instantaneously aggregating the dispersed fibers locally from such dispersed condition into mutual direct contact with each other, in random arrangement, without orientation in any dimension, or dimensions, and collecting such mutually contacting fibers as a matted web, in which the random arrangement of the fibers is maintained and preserved in the web, free from orientation in any dimension, or dimensions, and thereafter bonding the fibers of the web.

2,577,785

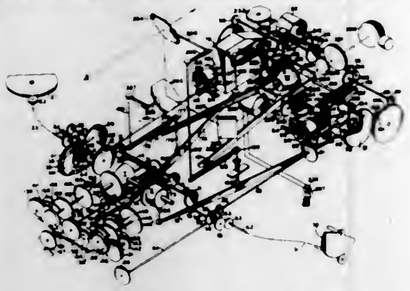
COMPUTING GUN SIGHT

Floyd A. Lyon, Elmhurst, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application July 28, 1944, Serial No. 547,055
8 Claims. (Cl. 33—49)

1. In a computing gun sight, means for computing a ballistic deflection per unit of time of flight, means for computing the prediction deflection per unit of time of flight, a differential mechanism comprising a lever having a yielding fulcrum, the ends of the lever being disposed so

as to be displaced by the respective means in proportion to their computations whereby the fulcrum is displaced according to the sum of said computations.

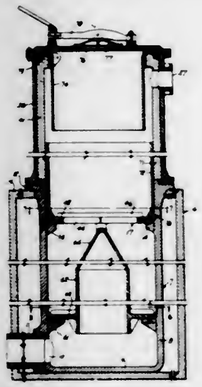


2,577,786

CARBON BISULFIDE RETORT

Iver C. Macdougall, Bronxville, N. Y., assignor to Stauffer Chemical Company, a corporation of California

Application May 18, 1950, Serial No. 162,693
7 Claims. (Cl. 23—277)



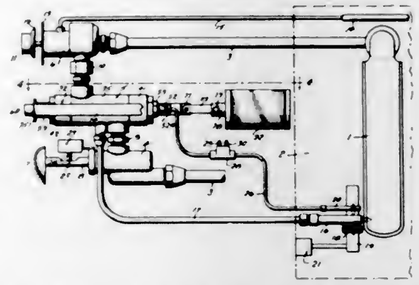
1. Apparatus for the manufacture of carbon bisulfide comprising a furnace; an elongated tubular shell standing vertically in said furnace and having a first inlet for feeding sulfur into a lower portion of the vertical shell and a second inlet for feeding carbon into an upper portion of the vertical shell; radical abutments intermediate the ends of the shell; and support means resting on said abutments and extending transversely of the shell and providing a support for carbon fed into the shell through said second inlet, said support means dividing the shell into an upper reaction zone wherein carbon and sulfur react and a lower zone wherein sulfur admitted to the lower portion of the zone is heated to a temperature whereat the sulfur reacts with the carbon to form carbon bisulfide; a tubular vessel provided in said elongated tubular shell below said support means and in a spaced relation to at least a portion of said elongated tubular shell to provide a passageway for sulfur between a portion of the inner surface of said shell and the outer surface of said vessel, said tubular vessel having a closed conical top; an outlet from said shell for products of reaction, said outlet being from said upper reaction zone and communicating with the upper portion of said shell above said support means; said shell being positioned in said furnace with at least that portion of the shell defining the sulfur heating zone confined within and receiving heat from the furnace.

2,577,787

GAS BURNER CONTROL MECHANISM

Charles M. Mayer and John M. Hoff, Mansfield, Ohio, assignors to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio

Application April 3, 1950, Serial No. 153,664
11 Claims. (Cl. 161—9)



1. In an automatic ignition and control apparatus of the character described, the combination of a main burner, a pilot burner operative to ignite said main burner, a conduit through which gaseous fuel is supplied to said main burner, a manually operable main control valve by which the supply of fuel to said main burner and said pilot burner is primarily controlled, a safety control valve mechanism interposed in said conduit between said main control valve and said main burner, a secondary conduit extending between said safety control valve mechanism and said pilot burner through which gaseous fuel is supplied to said pilot burner, said safety control valve mechanism being operative to control the supply of fuel to said main burner and said pilot burner after the fuel leaves said main control valve, a solenoid operatively connected to said safety control valve mechanism, said solenoid being operative upon energization to set said safety control valve mechanism in condition to supply fuel to said pilot burner while cutting off the supply of fuel to said main burner and upon subsequent de-energization to set said safety control valve mechanism in condition to also supply fuel to said main burner, a normally closed switch operative to control the energization of said solenoid, and a thermostatic element adapted to be heated by said pilot burner and operative to maintain said switch open when heated and closed when cool.

2,577,788

CONCURRENT DEALKYLATION OF AROMATIC HYDROCARBONS AND DEHYDROGENATION OF NAPHTHENIC HYDROCARBONS

James H. McAteer, Cranford, and Charles E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 26, 1949, Serial No. 106,978
10 Claims. (Cl. 260—668)

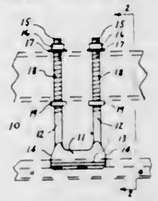
1. A process for simultaneously effecting the catalytic dehydrogenation of alicyclic compounds and dealkylation of alkylated aromatic hydrocarbon compounds which comprises reacting an alicyclic hydrocarbon with an alkylated aromatic compound in the vapor phase at a temperature of 500° to 600° C. in the presence of an activated carbon catalyst with a liquid feed to catalyst ratio of 0.1 to 10 v./v./hr. for a length of time to produce the desired dealkylated compounds, said alicyclic hydrocarbon having at least 5 alicyclic carbon atoms and being more saturated than the alkylated aromatic compound being dealkylated.

2,577,789

HANGER FOR TROLLEY RAILS

Burtis B. McCarn, Jersey City, N. J.

Application October 19, 1944, Serial No. 559,340
7 Claims. (Cl. 104—111)



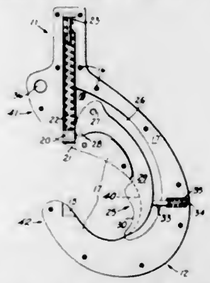
1. A hanger for a standardized trolley rail having two continuous shear lugs as elements of the rail head, comprising: a body portion having two shear lugs of length substantially equal to the length of the hanger, the said length being measured along the rail as the hanger is in its position of use; two arms perpendicular to the body portion, spaced apart and integrally joined by the body portion, each arm extending upward from the body portion and having at its free extremity a thread of length greater than the thickness of a standard nut for the said thread, and continuing therefrom an additional amount of thread of length greater than the thickness of a jam nut therefor; two standard nuts tapped to fit the two arms respectively, and two jam nuts tapped to fit the two arms respectively; and a rectangular plate having provision for attachment of electrical conductors, the two ends of the plate being welded to the two arms respectively above the junction of the arm with the body portion of the hanger and below the threaded portion of the arm.

2,577,790

POSITIVE-LOCKING HOOK

William E. McCormick, United States Navy

Application June 28, 1946, Serial No. 680,103
4 Claims. (Cl. 24—241)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



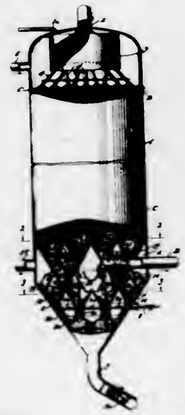
1. In structure of a hook having a concave surface forming a bay and extensions curving oppositely away to comprise ends opposite each other with a gap between them, a detent housed in the structure at one of the ends of the hook and being directed towards the oppositely disposed end, a spring for the detent housed therewith and tensioned to actuate the detent towards and into engagement with the oppositely disposed hook end, detent control mechanism housed in the structure and comprising a gripper for the detent, a spring for the gripper and an actuating finger extending from the gripper and projecting out of the structure into the bay to a position away from the concave surface of the bay, the gripper being movable alternatively out of engagement with the detent and into engagement therewith to hold the detent against actuation by the detent spring, the gripper spring being tensioned to actuate the gripper into holding engagement with the detent and simultaneously move the abutment finger away from the concave surface of the bay, actuation of the abutment finger towards the concave surface by an object in the bay of the hook being opposed to the gripper spring and operating to move the gripper out of engagement with the detent to release the detent for its actuation by its spring.

2,577,791

CATALYTIC CONTACTING UNIT WITH GAS SEPARATOR

Dwight D. McKinney, Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application December 31, 1947, Serial No. 795,052
4 Claims. (Cl. 23—288)



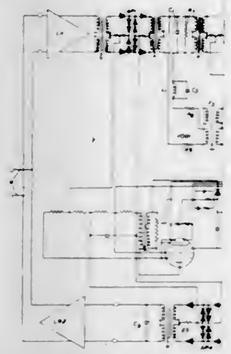
1. In gas-solid contacting apparatus, the combination of a housing adapted to be traversed by gravitating contact material and gas, a circumferentially complete member inclined downwardly from the lower interior surface of said housing and forming a circumferentially complete chamber therewith, a conical member disposed substantially concentrically with respect to the vertical axis of said reaction housing within the chamber defined by said circumferentially complete member and defining therewith the boundaries of a passageway into which the contact material converges during gravitational movement thereof, and means for the passage of gas, which means communicates with the exterior of the housing, with the contact material and includes said chamber.

2,577,792

ELECTRIC WAVE REPEATER CIRCUIT

Richard Adney Meers and Ernest Ronald Cockbain, London, and Gurney Oliver Probert, deceased, late of Uplands, Meopham Green, England, by Isobel Morrison Probert, widow and executrix, Bedhampton, Havant, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application August 19, 1947, Serial No. 769,368
In Great Britain October 6, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires October 6, 1959
13 Claims. (Cl. 179—170)



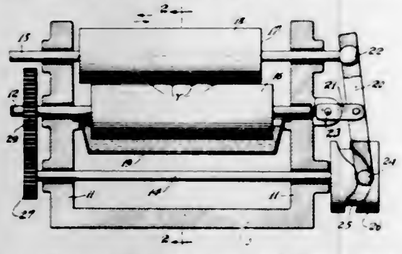
7. A two-way electric wave repeater circuit comprising two transmission paths, each path comprising an input and an output end, each path having connected therein an input end attenuator pad and an output end attenuator pad, means coupling the output end of each path to the input end of the other path, an electric wave operated device for each path including a valve responsive to electric waves appearing at the input end of its respective path for controlling the attenuation of said attenuators, each of said devices being responsive to input signals appearing at its respective input end attenuator for controlling the corresponding output end attenuator and the input end attenuator of the other path.

2,577,793

APPARATUS FOR IMPREGNATING YARN

Louis P. Miller, West Hazleton, Pa., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application June 17, 1947, Serial No. 755,078
8 Claims. (Cl. 91—51)



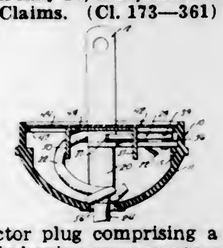
1. Apparatus for opening and impregnating a plurality of individual strands of yarn in twisted condition, said apparatus comprising a support; a pair of horizontally disposed rotary means at least one of which is axially slidable with respect to said support, said means each including shaft means mounted on said support in a predetermined fixed relation and a rotary member carried by and rotatable about the axis of said shaft means, each rotary member having a continuous substantially smooth periphery contacting the periphery of the other in driving engagement along a continuous zone extending across substantially the entire width of both of said members, said members being so constructed and arranged to cooperate with each other for feeding all of the strands of yarn at a uniform rate and for impregnating the yarn while passing through said zone and at least one of said rotary members being axially movable with respect to the other to open the yarn while passing through said zone; means for supplying impregnant to at least one of said rotary members; and mechanism including power driven means drivingly connected with at least one of said rotary means for effecting rotating movement of said rotary members and including cam means drivingly connected with the rotary means including the rotary member which is axially movable with respect to the other rotary member, said cam means being constructed and arranged for effecting back and forth movement in an axial direction of said axially movable rotary member.

2,577,794

ELECTRIC PLUG

John Francis Minard, Mount Vernon, Ohio

Application May 10, 1949, Serial No. 92,410
2 Claims. (Cl. 173—361)



1. A connector plug comprising a cup-shaped insulating body having an open upper end, a contact member having a contact plate fixedly supported within said body and a blade projecting upwardly therefrom and extending upwardly beyond the upper end of the body, a clamping plate loosely pivoted on a vertical axis to said contact plate and arranged to be swung from an inoperative position at one side of said contact plate to an operative position overlying said contact plate to clamp a wire between said contact plate and said clamping plate in which said clamping plate is tilted into parallelism with said contact plate, a cover comprising a disk engageable with the upper end of said body above said clamping plate, said disk being formed with an opening passing said blade, a fixed lug depending from said disk to engage an edge of said clamping plate in the operative position of said clamping plate whereby pivoting of said clamping plate out of operative position is precluded.

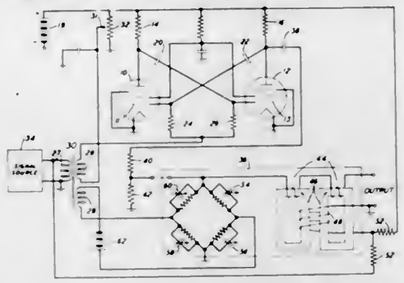
2,577,795

STABILIZED FREQUENCY-MODULATED MULTIVIBRATOR

Milton E. Mohr, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1949, Serial No. 136,063
11 Claims. (Cl. 332—19)

7. A transmission system for producing a frequency modulated signal, the frequency variations of which are substantially linearly related to amplitude variations in an applied modulating signal, said system comprising a multivibrator oscillator and a variable frequency-selective electrical network connected to the output thereof; said multivibrator including a pair of electron discharge devices each including a cathode and a control electrode, means to bias said control electrode positive with respect to said cathode and variable in continuous increments in accordance with amplitude variations in said modulating signal; said electrical network comprising inductive and capacitive impedance elements, the reactance of at least one of which is variable in accordance with variations in potential across said element, and circuit connecting means to impress across said variable element a potential variable in accordance with amplitude variations of said modulating signal for maintaining the cut-off frequency of said network higher than the fundamental oscillation frequency and less than frequencies in harmonic relation to said fundamental.



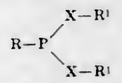
2,577,796

UNSATURATED ESTERS OF PHOSPHONOUS ACIDS AND POLYMERS THEREOF

Rupert C. Morris, Berkeley, Vernon W. Buls, Walnut Creek, and Seaver A. Ballard, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 28, 1950, Serial No. 198,046
9 Claims. (Cl. 260—78.5)

5. A phosphonite having a structure defined by the formula



in which R represents the organic radical joined to the phosphorus atom by a carbon-to-phosphorus bond, R^1 represents a beta,gamma-olefinically unsaturated radical R^1 of a beta,gamma-olefinically unsaturated alcohol R^1OH, and X represents a member of the class consisting of oxygen and sulfur.

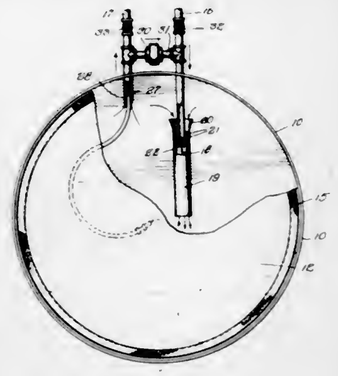
2,577,797

MIXING APPARATUS FOR TANKS

Frederick D. Moyer, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application May 23, 1950, Serial No. 163,735
7 Claims. (Cl. 259—95)

1. In a liquid storage tank having inlet and outlet pipes communicating with the bottom portion of the tank, means for mixing relatively light and heavy liquids, comprising an elongated mixing chamber having open ends and mounted on the bottom of the tank, said inlet pipe being positioned to direct flow of liquid into the chamber, and a tube within the tank extending between the upper and lower portions thereof, said outlet pipe being positioned about the lower end of the tube to draw liquid both from the tube and from the lower portion of the tank.

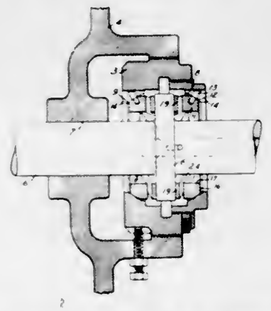


2,577,798

BEARING CONSTRUCTION WITH SEGMENTAL SHOES ON FLEXIBLE RESILIENT SUPPORTS

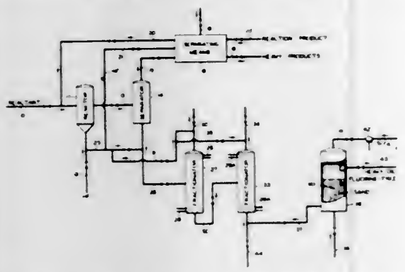
Emil T. P. Neubauer, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application May 23, 1947, Serial No. 749,930
8 Claims. (Cl. 308—160)



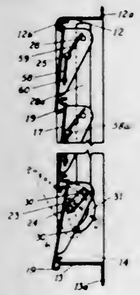
1. In a bearing element, a substantially rigid base ring portion, a plurality of bearing shoe portions having respective bearing surfaces adapted to form a segmented annular bearing surface, a plurality of cantilever support portions each connected at one end to said base ring and at the other end to one of said shoe portions, each of said support portions extending in a generally circumferential direction from and in axially bodily spaced relation to said base ring, each of said bearing surfaces being circumferentially spaced respectively from said connection between its cantilever support portion and said base ring, and each of said support portions being sufficiently flexible and resilient so that the axial thrust load to be accommodated causes deflection of said bearing surfaces.

2,577,799
RECOVERY OF UNSATURATED OIL FROM USED HF CATALYST
John P. O'Neil, Bay City, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 31, 1948, Serial No. 68,474
1 Claim. (Cl. 260—666)



An improved process for producing a heavy, unsaturated oil from effluents of a process for reacting hydrocarbons in the presence of a liquid hydrofluoric acid catalyst, which comprises separating from effluents of such a process a liquid hydrofluoric acid phase, subjecting at least a portion of said hydrofluoric acid phase to distillation to remove free hydrogen fluoride from residual organic contaminants, subjecting said residual organic material to a decomposition temperature to effect decomposition of a major portion of organic fluorine compounds to form free hydrogen fluoride and an unsaturated liquid oil contaminated with a minor amount of more resistant organic fluorine compounds, separating said contaminated liquid oil containing fluorine as an impurity in an amount between 1 and 0.001 per cent by weight from freed hydrogen fluoride at said decomposition temperature and passing said oil as a liquid up through a bed of granular silica at a temperature between 200° and 350° F. under an absolute pressure between 10 and 500 mm. of mercury at a flow rate between 1 and 5 volumes of said oil per volume of said granular silica per hour, withdrawing resulting silicon tetrafluoride vapors from the top of said bed, and separately withdrawing a purified liquid oil from the top of said bed.

2,577,800
AWNING
Joseph Otti, Oklahoma City, Okla.
Application August 26, 1941, Serial No. 408,312
8 Claims. (Cl. 189—62)

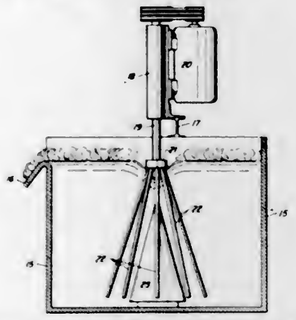


8. In an awning construction, a rectangular frame; a plurality of louvers having end wings, said louvers being pivotally mounted in said frame so that in closed position the lower longitudinal edge portion of each louver above the lowermost one overlies the upper edge of the adjacent louver; a movable manually operated shaft having a crank lever adjacent said frame; a pivotally mounted pintle connected to and extending through and projecting outwardly from the end wings of one of said louvers; an arm mounted on one end of said pintle; a link pivotally connected to said arm and to an end flange of each louver to cause said louvers to move in unison and in substantial parallelism; and a link connecting said pintle arm and said crank lever whereby rotation of said shaft will rock said pintle.

2,577,801
HYDROLYZATION OF PENTOSAN CONTAINING PROTEIN MATERIALS
Ellis C. Pattee, Cincinnati, Ohio, assignor to National Distillers Products Corp., a corporation of Virginia
Application September 30, 1948, Serial No. 52,117
2 Claims. (Cl. 260—529)

1. Improvement in the amino acid hydrolyzation of pentosan containing protein materials which comprises subjecting an aqueous mix of a pentosan containing protein material to furfural hydrolyzation within a closed system by continuously heating the same in the presence of an inorganic hydrolyzing acid selected from the group consisting of aqueous sulfuric and hydrochloric acids to a temperature of about 100–110° C. and substantially maintaining atmospheric pressure within said system, substantially continuously distilling off water-furfural vapors within said system, and substantially continuously condensing said vapors within said system, substantially continuously separating condensed furfural within said system and returning condensed water to the hydrolyzing mix, and subjecting said mix after completed furfural hydrolyzation to amino acid digestion within said system by increasing the pressure therein and recovering amino acids from the last treated mix.

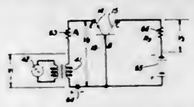
2,577,802
FROTH FLOTATION APPARATUS
Pearson M. Payne, Denver, Colo.
Application August 13, 1948, Serial No. 44,118
3 Claims. (Cl. 259—107)



1. A froth flotation apparatus comprising a pulp container open to atmospheric air at its top and having an outlet for froth, a shaft rotatably mounted vertically, impellers about said shaft spaced from each other circumferentially thereof and extending downwardly and being of a length adapting the impellers to be partially submerged in pulp with their upper portions projecting from the pulp, means for rotating said shaft and causing the impellers to move in a circular path

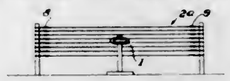
and thereby cause air under atmospheric pressure to move downwardly through the pulp along the impellers and then outwardly from the impellers and upwardly through the pulp, and an annular shield surrounding portions of the shaft and the impellers above and below the surface of the pulp and constituting a barrier serving to prevent froth upon the surface of the pulp from being drawn downwardly through a vortex formed during operation of the apparatus.

2,577,803
MANUFACTURE OF SEMICONDUCTOR TRANSLATORS
William G. Pfann, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1948, Serial No. 67,797
12 Claims. (Cl. 175—366)



1. The method of improving the amplification of a semiconductive translator having spaced point contacts that comprises applying an alternating voltage between the body of the translator and a first point contact through a resistor of sufficient resistance to hold the forward current through said first contact to a low value while another contact is connected to the body, the applied voltage being of sufficient amplitude to produce a negative reverse resistance characteristic through said first contact.

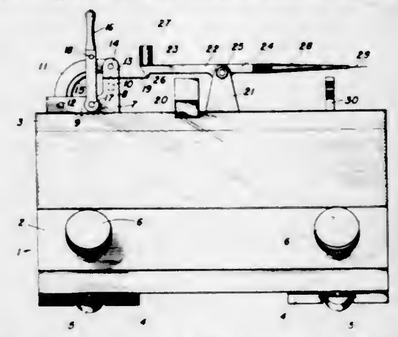
2,577,804
RADIO ANTENNA
Sidney B. Pickles, Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 2, 1945, Serial No. 580,674
3 Claims. (Cl. 250—33.65)



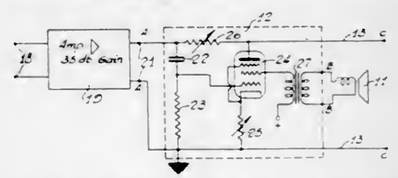
1. A system for controlling the forward radiation pattern of a horizontally polarized radiating array comprising antenna means, and a radiation absorbing screen mounted behind said antenna, said screen being comprised of a plurality of wire conductors substantially horizontally disposed in a common vertical plane above ground and energy dissipating termination means coupled to each of said wires at each of its two ends.

2,577,805
SPRING COMPARATOR
Thomas G. Pidduck, Bremerton, Wash.
Application October 11, 1945, Serial No. 621,668
3 Claims. (Cl. 73—161)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a device for testing an apertured spring, a base, an upright supported on said base, an upstanding pin on said upright for insertion through the aperture in said spring, a guide member pivotally connected with said base, a clamp block pivotally connected with said guide member and having a recess adapted to receive the free end of said pin, and a bifurcated handle member pivotally connected with said base and straddling said guide member and being cooperable therewith to hold said clamp block in engagement with said pin.



2,577,806
NETWORK FOR INTERCOMMUNICATION SYSTEM
William A. Plice, Oak Park, Ill., assignor to Richard C. Lindberg and Philip A. Klapman, both of Chicago, Ill., as trustees
Application July 21, 1949, Serial No. 105,958
14 Claims. (Cl. 179—1)



1. In an intercommunication system, a discriminator network comprising a transmitting output circuit, a receiving input circuit, means for interconnecting said circuit including a conductive impedance device having a cathode, a plurality of grids and an anode, means connecting one of said grids to said receiving input circuit, means connecting the other of said grids in both of said circuits, and means connecting said anode in said transmitting circuit.

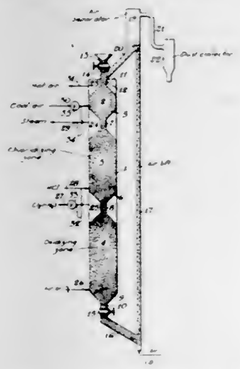
2,577,807
TELESCOPE FOR ALIGNING LENSES, JIGS, AND THE LIKE
Paul L. Pryor, Dayton, Ohio
Application November 13, 1946, Serial No. 709,635
9 Claims. (Cl. 88—2.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aligning telescope for sighting on reflecting exterior targets and images formed by them, a tube, an illuminated interior auxiliary target comprising a bright mark on a dark background, said target being located near the outer end of said tube, a transparent reflector positioned on the axis of the tube at such an angle to said axis so that it reflects light from the interior auxiliary target along the axis of the

tube out of the outer end of the tube, a reticle near the inner end of said tube, optical means in an intermediate position in said tube for forming a primary real image on the said reticle near the axis of said tube of the reflected images of the interior auxiliary target formed by reflecting exterior targets, focusing means operative with said optical means for focusing the primary real image when the images formed by the exterior reflecting targets are at different distances from the telescope, means for determining the location of said primary real image on said reticle with respect to the axis of said tube, and an eye piece arranged to focus on said image-location determining means.

2,577,808
PRODUCTION OF CHLORINE
David J. Pye and William J. Joseph, Pittsburg, Calif., assignors to The Dow Chemical Company, a corporation of Delaware
Application February 12, 1947, Serial No. 728,098
4 Claims. (Cl. 23—219)



1. The process of making chlorine from hydrogen chloride, which comprises causing a body of a granular reactive contact mass to flow by gravity as a continuous moving bed successively through a chloridizing zone and an oxidizing zone, said contact mass being introduced into the chloridizing zone in oxidized condition and into the oxidizing zone in chloridized condition, and in its fully chloridized condition being composed of ferric chloride, potassium chloride and a chloride of a metal from the group consisting of copper, cobalt and nickel in the proportions of 1 to 2 mols of KCl and 0.1 to 1 mol of the metal chloride per mol of $FeCl_3$, said chlorides being deposited on an inert porous granular carrier, in said chloridizing zone passing a stream of hydrogen chloride in countercurrent to the moving bed of the contact mass, while maintaining said zone in a temperature range increasing from the top to the bottom between the limits of about 300° C. at the top and 500° C. at the bottom, to chloridize the contact mass in accordance with the equation;

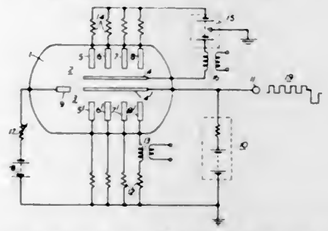
$$2Fe_2O_3+12HCl\rightarrow 4FeCl_3+6H_2O$$

in said oxidizing zone passing a stream of oxygen-containing gas in countercurrent to the chloridized contact mass, while maintaining said zone in a temperature range increasing from the top to the bottom between the limits of the inlet temperature of the contact mass entering the zone at the top and about 550° C. at the bottom, to oxidize the chloridized contact mass in accordance with the equation;

$$4FeCl_3+3O_2\rightarrow 2Fe_2O_3+6Cl_2$$

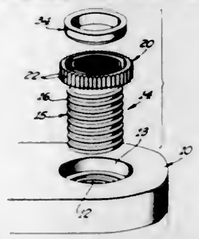
continuously removing a product gas rich in chlorine from the top of said oxidizing zone, continuously removing contact mass particles from the moving bed at the bottom of the oxidizing zone and returning such particles as feed to the top of the chloridizing zone.

2,577,809
COLD CATHODE ELECTRIC DISCHARGE TUBE
Alec Harley Reeves and George Hubert Hough, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 21, 1949, Serial No. 72,046
In Great Britain January 22, 1948
16 Claims. (Cl. 313—188)



1. A cold cathode gas-filled discharge tube comprising a plurality of electrode arrays defining thereamong at least two discharge gaps, a first of said gaps having a lower given firing potential than a second of said gaps, means to energy-couple said first gap with said second gap, whereby firing of said first gap lowers the given firing potential of said second gap, and means disposed between said gaps to inhibit energy-coupling between said second gap and said first gap.

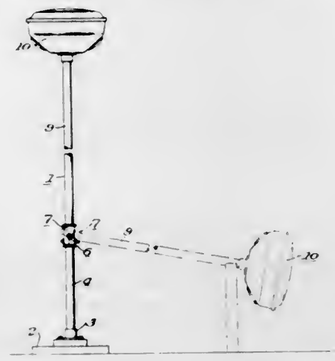
2,577,810
SCREW-THREADED INSERT
Joseph Rosan, Balboa Island, Calif.
Application November 8, 1946, Serial No. 708,725
12 Claims. (Cl. 151—33)



11. An insert for connection with a body having a bore and counterbore sunk therein, comprising, in combination: a cylindrical body including a shank receivable in said bore and a head receivable in said counterbore, locking formations on said shank and head for locking said insert in said bore and counterbore against both rotation and longitudinal displacement, said head having a centrally disposed annular cavity sunk in the outer end thereof for a substantial proportion of the length of said head, said cavity having a substantially cylindrical outer side wall, and a wedge annulus in said annular cavity operable

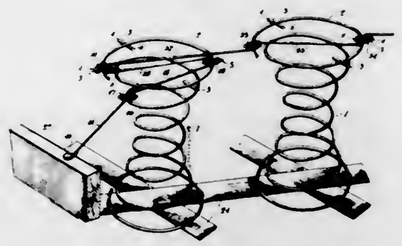
when forced down therein to progressively expand said head and thereby drive the locking projections therein radially outward and into the walls of said counterbore.

2,577,811
POLE HINGE
Harry E. Rutledge, Pittsburgh, Pa.
Application July 14, 1949, Serial No. 104,635
6 Claims. (Cl. 287—96)



1. A pole hinge consisting of a pair of members constructed to receive pole sections, an arcuate skirt on one member shaped to fit over the other member, aligned hinge bearings in said skirt and in said other member, a pin in said bearings to hinge said members together, and clamp means to hold said skirt to said other member and lock the pole hinge straight.

2,577,812
UPHOLSTERY SPRING CONSTRUCTION
Emanuel Samel, Denville, N. J.
Application August 21, 1947, Serial No. 769,891
6 Claims. (Cl. 5—248)



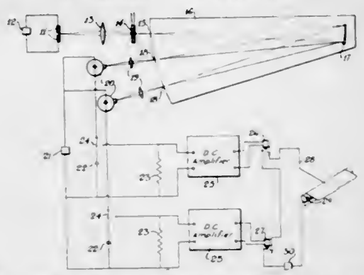
1. An upholstery spring having a plurality of coils and provided on one end coil with a plurality of irregularly shaped portions, each of said irregularly shaped portions comprising at least one separate part rigidly secured to the wire of said end coil of said spring and substantially equiangularly disposed about said end coil, each of said irregularly shaped portions being adapted to have a flexible cord knotted thereto by a knot formed from a bight portion of the cord, so that said cord will be prevented from movement with respect to said end coil of said spring by the rigid connection between said irregularly shaped portion and the end coil of said spring.

2,577,813
CORD ATTACHMENT MEANS FOR UPHOLSTERY SPRING
Emanuel Samel, Denville, N. J.
Application November 24, 1947, Serial No. 787,704
10 Claims. (Cl. 5—267)



1. The combination with an upholstery spring having a longitudinal axis of symmetry and having a series of substantially helical convolutions arranged symmetrically about said axis, of cord attachment means secured to an end convolution of said spring, said cord attachment means comprising a member having a body portion shaped substantially to conform to said end convolution, means integral with said member attaching it to said end convolutions at a plurality of points thereabout, parts of said member arranged to provide cord loop receiving means projecting inwardly therefrom towards said axis, and other parts of said member arranged to provide additional cord loop receiving means respectively substantially opposite the first named cord loop receiving means and projecting outwardly from said member away from said axis.

2,577,814
PHOTOELECTRIC INSTRUMENT FOR DIRECT SPECTROCHEMICAL ANALYSIS BY THE INTERNAL STANDARD METHOD
Jason L. Saunderson, Victor J. Caldecourt, and Eugene W. Peterson, Midland, Mich., assignors to The Dow Chemical Company, a corporation of Delaware
Application February 27, 1946, Serial No. 650,676
9 Claims. (Cl. 346—33)



5. A direct-reading spectrometer for analysis by the internal standard method comprising, in combination with a spark source and a spectrometer: photocells for observing the intensities of the spectral lines of unknown and reference elements; individual condensers for storing the outputs of the photocells during an exposure period; a master shutter for initiating and terminating the exposure of the photocells to the spectral lines; optical means for focusing on each cell separate beams, one consisting of the corresponding spectral line together with its spec-

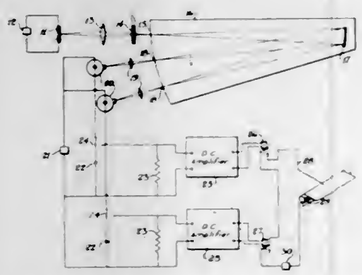
tral background and the other consisting of background only; a compensating shutter provided with means for repeatedly alternating its position at brief equal intervals to cut off first one of the beams to each cell and then the other; reversing switches for repeatedly reversing the polarity of each condenser relative to its photocell in synchronism with the alternations of the shutter, the polarities being such that the condenser is charged by the photocell when the shutter is in position to admit the beam containing the spectral line; individual circuits comprising resistors for discharging the condensers after the exposure, the mathematical products of the capacitance and resistance of each condenser-resistor pair being substantially equal for all pairs; individual electron-tube direct-current amplifiers for following the discharges of the condensers; condenser switches for connecting each condenser to its respective photocell during exposure and for connecting it after the exposure to its discharging circuit and to the input circuit of the corresponding amplifier; relays responsive to the outputs of the amplifiers for initiating a separate recording impulse when the falling potential on each unknown element condenser reaches a predetermined low potential identical for all condensers and for terminating all such recording impulses when the potential on the reference element condenser reaches that potential; recording means for indicating separately the duration of each such impulse; and an automatic timing circuit for first energizing the source, then simultaneously opening the master shutter and activating the condenser switches to connect the condensers to their photocells, then activating the compensating shutter alternating means and finally, after a predetermined exposure period, activating the condenser switches to connect the condensers to their discharge circuits, amplifiers, and recording circuits.

2,577,815

PHOTOELECTRIC INSTRUMENT FOR DIRECT SPECTROCHEMICAL ANALYSIS BY THE INTERNAL STANDARD METHOD

Jason L. Saunderson, Victor J. Caldecourt, and Eugene W. Peterson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Original application February 27, 1946, Serial No. 650,676. Divided and this application December 15, 1949, Serial No. 133,181
4 Claims. (Cl. 88—14)



4. In a direct-reading spectrometer comprising a photocell for observing the intensity of a spectral line during an exposure period, and a condenser connected to the output of the cell, the combination therewith of alternating shutter means for repeatedly interrupting and re-establishing at brief intervals of equal length during the exposure period the optical path by which the cell observes the spectral line, switching means for repeatedly reversing the polarity of the condenser relative to the photocell in synchronism with the said alternations of the shutter means, and means operative after the exposure period for indicating the charge on the condenser.

2,577,816

POLYETHYLENE-WAX COMPOSITIONS

Helmuth G. Schneider, Westfield, David W. Young, Roselle, and Julius P. Rocca, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 23, 1946, Serial No. 671,904
2 Claims. (Cl. 260—28.5)

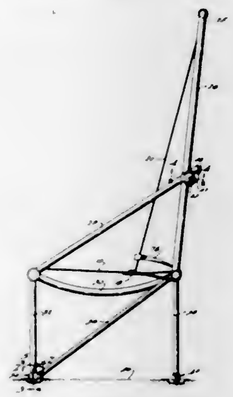
1. A composition of matter comprising 1 to 50% of polyethylene in chlorinated wax containing 2 to 8% chlorine.

2,577,817

FOLDABLE SEAT

George Schueder and Henry Lee Dunlap, Dearborn, and James Gavagan, Detroit, Mich., assignors to Evans Products Company, Detroit, Mich., a corporation of Delaware

Application August 7, 1946, Serial No. 689,050
7 Claims. (Cl. 155—151)



1. A folding seat frame construction comprising, in combination, a front support rail, a rear support rail spaced from the front rail and substantially parallel thereto, a front leg structure pivotally attached to the front rail, a rear leg structure pivotally attached to the rear rail, fitting means connected to one of said leg structures and providing a footing therefor, leg bracing structure pivotally attached to the other of the rails and extending at an angle downwardly therefrom to said fitting means, said bracing structure being connected to said fitting means whereby said fitting means serves to interconnect the leg structure for the one rail and said bracing structure, said fitting means being releasably connected to one of the structures which it interconnects whereby said leg structure may be separated from said bracing structure, upon separation said leg structure and said bracing structure each being pivotal about the respective rail to which it is attached to a position adjacent an imaginary plane passing through the two rails.

2,577,818

DEEP SMOOTH SURFACE FINISHING PROCESS

Richard Woodside Shaw, Dayton, Ohio

Application August 18, 1947, Serial No. 769,287
2 Claims. (Cl. 51—290)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



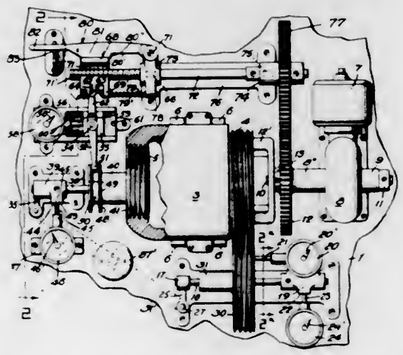
1. A method of producing a deep-smooth bearing surface on machined steel bearing elements comprising, lapping the bearing surface with a mixture of coarse grit lapping compound, oil mix aluminum oxide and kerosene for about 200 lapping cycles to produce a plurality of closely related peaks each having a mean cross-sectional dimension not exceeding 0.040 of an inch providing a surface roughness in the order of 40 to 50 R. M. S., and lapping said bearing surface with a fine lapping compound consisting of extra fine pumice and oil for about 150 lapping cycles until a smooth substantially flat bearing surface portion not exceeding 0.040 of an inch in any direction is provided on each peak having a surface roughness in order of 1 to 3 R. M. S.

2,577,819

SCREW THREAD TESTER

Frank Short, Canton Center, Conn.

Application December 26, 1945, Serial No. 637,295
12 Claims. (Cl. 33—199)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



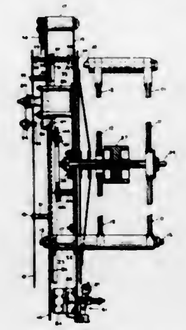
3. In a machine for testing the threads of a threaded workpiece, means for supporting the workpiece for true rotation upon its axis, means for rotating the workpiece, a gage wheel having perfect threads thereon, the counterpart of which is desired in the workpiece threads, means for holding the gage wheel threads in close frictional contact with the threads of the workpiece, means mounting the gage wheel for longitudinal and lateral movement relative to the axis of the workpiece, and indicator means for indicating said movements of the gage wheel.

2,577,820

RECORDING SCALE

Lester D. Singleton, Rutland, Vt., assignor to The Howe Scale Company, a corporation of Vermont

Application June 9, 1947, Serial No. 753,473
4 Claims. (Cl. 177—351)



1. In a recording weighing scale of the automatic dial type having a dial scale head mechanism and an electrically controlled selector, comprising a selector disc mounted on the pointer shaft of the dial scale and angularly movable therewith in proportion to the weight of the load being weighed and provided with a plurality of apertures arranged in concentric rows, means for locking said selector disc, an electromagnet for operating said locking means, a plurality of selector pins supported adjacent said selector disc adapted to enter said apertures, an electrical transmitting circuit, having open switches, cooperating with said selector pins, a movable disc for moving all of said selector pins toward said selector disc and to cause one of said selector pins to enter an aperture in each of said rows of apertures and to come into contact with a similar number of said switches to close said switches to effect transmission of electrical impulses, a plurality of solenoids to move said movable disc, and a switch on said locking means for energizing said solenoids.

2,577,821

ARTICLE WITH WATER-SENSITIVE GUM COATING AND METHOD OF MANUFACTURE

Robert L. Smith and Marshall A. Wight, Jr., Amherst, N. H., assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts

No Drawing. Application March 4, 1947, Serial No. 732,374
5 Claims. (Cl. 117—122)

1. The method of preparing a film of water-sensitive gum which comprises emulsifying in a water solution of the gum as the continuous phase a volatile liquid substantially insoluble in water and substantially a non-solvent of the gum, coating a film of the dispersion on a carrier and drying the film to set the gum and evaporate the liquid in substantial sequence in that order whereby the spacial disposition of the continuous phase is in substantial degree reproduced in solid form.

2,577,822

CYCLODIENE ISOBUTYLENE COPOLYMERS

William J. Sparks and Robert M. Thomas, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Delaware

No Drawing. Application April 26, 1950, Serial No. 158,338

7 Claims. (Cl. 260—80.7)

1. A snythetic solid plastic hydrocarbon copolymer of a major proportion of isobutylene and a minor proportion of a cyclodiene having a total of 5 to 8 carbon atoms and having two conjugated double bonds in a ring structure consisting of 5 to 6 carbon atoms.

2,577,823

HYDRODESULFURIZATION OF SULFUR-CONTAINING HYDROCARBON FRACTIONS

Harrison M. Stine, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application February 6, 1948, Serial No. 6,816

3 Claims. (Cl. 196—28)

1. A process of desulfurizing heavy hydrocarbon oil fractions containing between 1.0 to 6.5% by weight sulfur in the form of organic sulfur compounds, which comprises subjecting said oil in the presence of added hydrogen in partial pressure of 100 to 500 pounds per square inch gauge at a temperature in the range of 650 to 850° F., to the action of a contact mass consisting of chromium, molybdenum and aluminum oxides in proportions to provide 50 to 85 mol per cent of aluminum oxide and the remainder molybdenum oxide and chromium oxide, each in an amount of not less than 2 mol per cent and not more than 30 mol per cent, and in which the molybdenum oxide is precipitated on preformed aluminum oxide at a pH of 6 to 8.

2,577,824

PROCESS OF REMOVING MERCAPTANS FROM HYDROCARBONS WITH ALKALI IMPREGNATED CHARCOAL

Harrison M. Stine, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 11, 1948, Serial No. 43,763

5 Claims. (Cl. 196—32)

1. The process of treating mercaptan-containing hydrocarbons to remove mercaptan sulfur therefrom, which comprises contacting said hydrocarbons in the liquid phase with charcoal impregnated with an aqueous solution of a strongly alkaline base, said mercaptans being adsorbed on said charcoal in the form of mercaptides, and separating said hydrocarbons of reduced sulfur content from the mercaptide-containing charcoal.

2,577,825

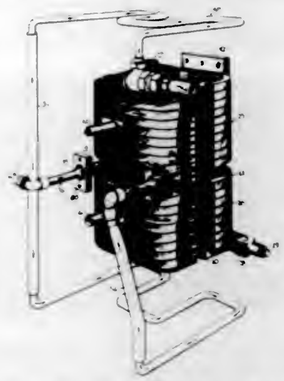
TRANSFORMER

Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application February 4, 1946, Serial No. 645,450

4 Claims. (Cl. 175—362)

3. In an electrical transformer, electrical windings having polygonal-shaped ends to which electrical connection must be made, supporting means for said ends including a fixedly-supported member adjacent said windings, said member having a cylindrical opening therein, a tubular coupler at least in part polygonal in cross section attached in extension of one of said ends



and positioned so as to extend through said opening with the polygonal part within said opening, and means for rigidly securing the corners of said part to the interior surface defining said opening.

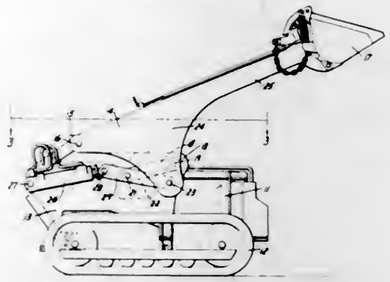
2,577,826

OPERATING MECHANISM FOR MATERIAL-HANDLING MACHINES

John Adams Thierry, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application December 23, 1948, Serial No. 66,984

4 Claims. (Cl. 214—140)



1. In a material-handling machine, the combination of: a tractor; an implement frame and a material-handling implement attached thereto, said implement frame being pivotally connected near the rear thereof to the tractor to rotate about a horizontal transverse axis, and being raised and lowered about said axis by the following-described mechanism; a first member pivotally connected to the tractor to rotate about a horizontal transverse axis located a fixed distance forwardly of the pivot axis of the implement frame; a second member, pivotally connected to the implement frame to rotate about a transverse axis located a fixed distance intermediate the pivot axis of the implement frame and the implement and appreciably below a line between the pivot axis of the implement frame and the bottom of the implement, and pivotally connected to the first member to form a toggle joint; power-actuated means operatively connected to the toggle joint formed by said members to move the toggle axis thereof from an in-toggle position, in which the toggle axis is located approximately on a line between the pivots of said first and second members on the tractor and implement frame respectively and in which the implement frame is in lowered position, rearwardly to an out-of-toggle position, in which the toggle axis is located intermediate the pivot axis of the implement frame on the tractor and said toggle axis in its initial in-toggle position and in which the implement frame is in raised position; the pivot of the second member on the implement frame moving forwardly as said toggle axis moves rearwardly, thereby off-setting some of the rearward movement and effectively diminishing the travel of said toggle axis relative to the tractor.

2,577,827

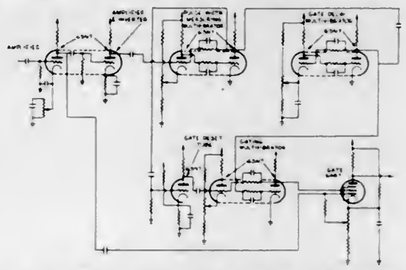
PULSE RECOGNITION DEVICE

Charles B. Tompkins, United States Navy

Application October 30, 1945, Serial No. 625,673

10 Claims. (Cl. 250—27)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A receiving system for recognizing a signal pulse of time duration having predetermined maximum and minimum limits comprising an input channel for receiving said signal pulse, a normally closed blocking device connected in said input channel, an output channel operatively connected to said input channel when said blocking device is open, means in said input channel for initiating a delayed control pulse therein of a time duration equal to the difference between said maximum and minimum limits in response to the leading edge of said signal pulse, said last-mentioned means being connected to the input of said blocking device, said control pulse operating to open said blocking device to operatively interconnect said output and input channels for the time duration of said control pulse, means in said input channel responsive to the trailing edge of said signal pulse for producing a pulse of shorter time duration than said control pulse in said output channel while the blocking device is open, and gating means for shortening said control pulse when a series of signals is received.

2,577,828

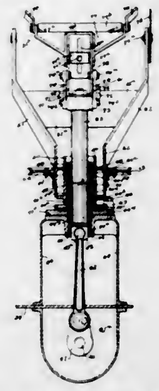
SPRAYER HEAD CONTROL MECHANISM

Watson W. Tranter, York, Pa., assignor to A. B. Farquhar Company, York, Pa., a corporation of Pennsylvania

Application December 2, 1947, Serial No. 789,186

3 Claims. (Cl. 299—72)

1. A sprayer head movement-controlling mechanism comprising a support, a hollow substantially vertical pivoting means mounted on the support, a sprayer head, an arm support on the pivoting means for supporting the sprayer head, a reciprocating member within the pivoting means, a lever means fulcrumed on the arm support, means connecting one end of the reciprocating member with the lever at a place spaced



from its fulcrum, means on the lever for connection to the sprayer head and spaced from the connection to the reciprocating member, and power means for reciprocating the reciprocating member.

2,577,829

PRODUCTION OF UNSATURATED ACIDS

Frederick C. Visor, Philadelphia, Pa., assignor to Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application August 9, 1947, Serial No. 767,848

1 Claim. (Cl. 260—530)

In a method for the preparation of crotonic acid by the catalytic liquid phase oxidation of crotonaldehyde, the improvement which comprises introducing oxygen into an initially substantially acid free solution comprising essentially crotonaldehyde, dissolved in ligroin, and from about 0.1% to about 5% of tertiary butyl hydroperoxide, based on the weight of the crotonaldehyde present, whereby the crotonic acid precipitates in the form of a white crystalline product as it is produced.

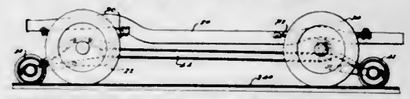
2,577,830

COMBINED ROAD AND RAIL VEHICLE

William S. Watts, Dearborn, and Louis G. Carmick, Jr., Dearborn Township, Wayne County, Mich., assignors to Evans Products Company, Detroit, Mich., a corporation of Delaware

Application July 15, 1944, Serial No. 545,132

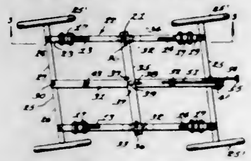
31 Claims. (Cl. 105—215)



1. Pilot structure for use in adapting a road vehicle for rail travel, said vehicle having a load sustaining body, a main wheel assembly capable of supporting the vehicle for road travel and including a pair of laterally spaced roadwheels having pneumatic tires, and resilient suspension means forming a suspension between said roadwheels and said body, said pilot structure including a pair of laterally spaced pilot wheels adapted to run upon rails in tandem with and corresponding respectively to said roadwheels, an axle for supporting said pilot wheels, and means, ma-

terially stiffer than said suspension, acting against said pilot axle at points adjacent the respective ends thereof for connecting the pilot structure to said vehicle only through said resilient suspension and for transferring at least a portion of the vehicle load through said resilient suspension means to said pilot wheels, said means further including lost motion means affording a limited and substantially free one-way connection which enables a substantial but limited relative vertical movement between a pilot wheel and its corresponding roadwheel, and giving a substantially rigid load transmitting connection at the end of lost motion travel, said lost motion being sufficient in extent to insure that reductions in tire deflection occasioned in rounding a turn shall not cause said pilot wheels to be raised away from the rails.

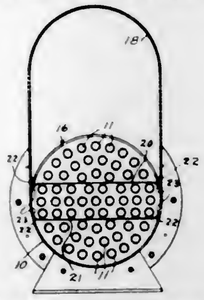
2,577,831
VEHICLE STEERING AND BRAKING MECHANISM
Robert C. Weidinger, Sr., Norwalk, Ohio
Application September 13, 1949, Serial No. 115,459
8 Claims. (Cl. 280—48)



5. A vehicle chassis comprising a pair of side bars arranged in spaced parallel relation, a first end bar extending transversely of said side bars contiguous to one end thereof and pivotally connected thereto, a second end bar extending transversely of said side bars contiguous to the other end thereof and pivotally connected thereto, said first and second end bars each comprising a pair of sections disposed in end to end aligned relation with respect to each other and having their confronting ends connected together for movement about a pivotal axis to a position out of alignment with respect to each other, a wheel journaled on the non-confronting ends of each of said sections, a longitudinally extending middle bar disposed intermediate said side bars and having one end connected to the pivotal axis of the sections of said first end bar and having the other end connected to the pivotal axis of the sections of said second end bar, a cross bar extending between said bars and mounted on the latter for limited movement transversely thereof, means operatively connected to said cross bar and said middle bar for maintaining the respective sections of said first and second end bars in said position in alignment, and actuating means operatively connected to said last named means for effecting the movement of the respective sections of said first and second end bars to said position out of alignment.

2,577,832
BAFFLE PLATE FOR USE IN TUBE TYPE HEAT EXCHANGERS
John E. Weiks, Seattle, Wash.
Application May 29, 1947, Serial No. 751,203
2 Claims. (Cl. 257—236)

2. In a heat exchanger, a cylindrical housing; fluid inlet and outlet means connected with said housing; tubes extending longitudinally of said housing; fluid inlet and outlet means connected with said tubes; plane flat resilient baffle plates in said housing positioned to one side of the axis of said housing and disposed between said tubes and supported by said tube, portions of the ends of successive baffle plates being alternately spaced from the end walls of said housing providing for a flow of liquid back and forth in the spaces between said baffle plates; and integral curved resilient lateral edge portions of the same thickness as said baffle plates provided on said baffle plates resiliently and conformably engaging with the curved inside walls of said housing, the curva-



ture of said resilient edge portions being toward the axis of the housing and conforming in a general way to the curvature of the housing walls and the extremities of said curved resilient edge portions being inturned sufficiently far so that they are clear of the housing wall when the outer curved surfaces of said curved lateral edge portions are in engagement with the housing wall, whereby wear between said curved lateral edge portions and said housing wall is reduced to a minimum.

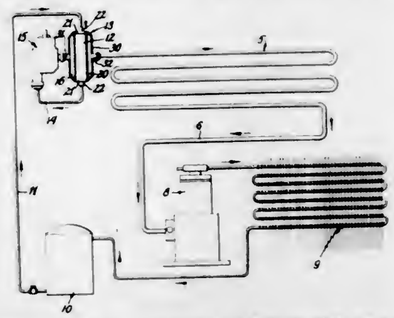
2,577,833
PROCESS FOR ELECTROWINNING CHROMIUM
George Westby, Boulder City, Nev., assignor to the United States of America as represented by the Secretary of the Interior
No Drawing. Application July 23, 1949, Serial No. 106,508
3 Claims. (Cl. 204—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a process for the electrowinning of chromium metal from acidic chromic sulfate solutions employing a diaphragm type cell and an insoluble anode, the improvement which comprises adding from 0.4 to 1.0 gram per liter of iodine and about 0.07 gram per liter of mannitol to the solution surrounding the cathode, whereby current efficiency is improved.

2,577,834
APPARATUS FOR DEWAXING AND DEHYDRATING REFRIGERANTS
Edward A. Wenk, New York, N. Y.
Application March 19, 1948, Serial No. 15,756
7 Claims. (Cl. 62—115)

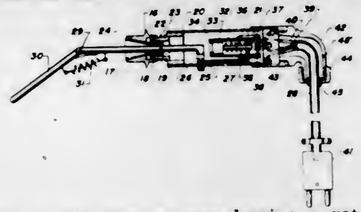
1. In refrigerating apparatus having a compressor, condenser, expansion valve and evaporator through which an expansible refrigerant is recirculated in series, the combination therewith of means for dewaxing the refrigerant so recirculated comprising a body forming a first chamber connected with one end of said evaporator and containing a desiccant and through which said refrigerant passes and formed to provide a second chamber in heat exchange relation with said first chamber, and means arranged to pass the expanding refrigerant from said expansion valve to said evaporator through said second

chamber in heat exchange relation with said first chamber to cool the refrigerant passing there-



through to a temperature at which the wax contained within the refrigerant congeals therein.

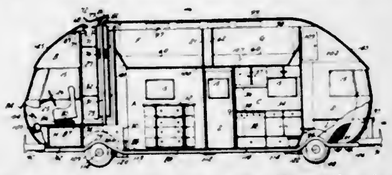
2,577,835
ENGINE TIMING DEVICE
George Raymond Williams, United States Navy
Application August 4, 1945, Serial No. 609,002
6 Claims. (Cl. 73—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a case having a rotatable indicator adaptable for drive connection to an engine and geared to turn at crankshaft speed, a degree scale therefor having a zero marking, a vernier rotatable indicator on said case geared to turn at a multiple of the crankshaft speed, a corresponding crankshaft degree scale therefor to accurately interpolate the readings between the marks on the first named degree scale, indicator means on said case, a top center feeler device for insertion in a cylinder of the engine having a first pair of contact points closed by super atmospheric pressure in the cylinder and a second pair of contact points closed by the piston in said cylinder while in and near its top dead center, and connections between said pairs of contact points and said indicator means for indicating the compression stroke and the top dead center position of said piston, and means for setting the rotatable indicators to said zero marking without affecting the top dead center position of said piston obtained from said indications, whereby said scales provide an index of the true crankshaft position relative to said cylinder.

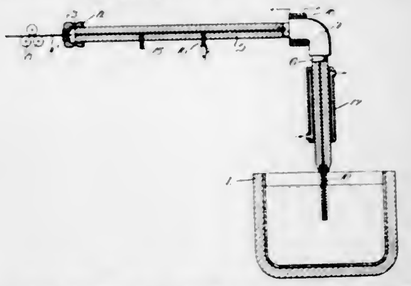
2,577,836
MOBILE DWELLING
Corwin D. Willson, Flint, Mich.
Original application April 4, 1942, Serial No. 437,708. Divided and this application February 2, 1948, Serial No. 5,762
22 Claims. (Cl. 296—23)

1. A housekeeping structure housed in a lightweight and highly torque-resistant road vehicle body including a supporting framework and a framework-supported outer shell, upright rectilinear parts of one being spaced from upright curvilinear parts of the other, and rigid web-like ties fixed between and stiffening the spaced parts and dividing the shell into fixed major subdivisions at different levels, several having both a



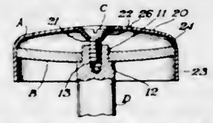
width and length at least equalling the inside width of the body; ceilings for subdivisions at lower of said levels and spaced on opposite sides of the lengthwise center axis of the body, and a floor for one of said subdivisions at upper of said levels and extending between and below said spaced ceilings.

2,577,837
INTRODUCTION OF MAGNESIUM INTO MOLTEN IRON
Lothar R. Zifferer, York, Pa.
Application October 29, 1949, Serial No. 124,304
8 Claims. (Cl. 75—129)



1. The process of introducing magnesium into a body of molten iron which comprises the steps of submerging in the molten iron one end of a tubular guide, of feeding through the guide and out through the submerged end thereof a magnesium wire to be vaporized by the heat of the molten iron for infusion therewith and of maintaining throughout the length of the guide an inert gas under sufficient pressure during the feeding of the magnesium wire to prevent back flow of vaporized magnesium into the guide.

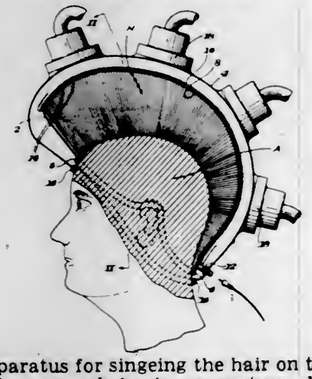
2,577,838
STAMPED VALVE HANDLE
John D. Baldwin, Jr., South Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application December 10, 1947, Serial No. 790,832
5 Claims. (Cl. 287—53)



1. A handle for rotation of a shaft including a non-circular portion, the handle comprising a cup-shaped member formed of relatively light sheet metal stock and having a non-circular

marginal flange, and a substantially flat plate of sheet metal the thickness of which is substantially greater than that of said cup-shaped member, said plate having its margin formed to non-rotatively engage within the said flange and provided with a central non-circular aperture formed to engage the shaft, whereby torque is transmitted from the cap to the plate at the outer marginal portions thereof, and a hole through the cap for a screw or the like for attachment to the stem.

2,577,839
HAIR SINGEING APPARATUS
John J. Boax, McKeesport, Pa.
Application January 15, 1948, Serial No. 2,475
5 Claims. (Cl. 132—9)



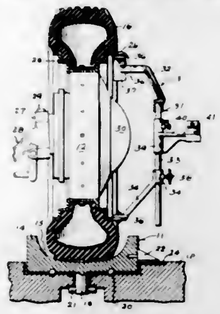
1. Apparatus for singeing the hair on the head, comprising a mask having a contour shaped to conform to the shape of the head and the desired length of the hair, an elastic member extending completely around the circumference of said mask adapted to contact the head to fasten the mask thereto, means associated with the mask for supplying sufficient heat thereto to singe the ends of the hair, and means surrounding the mask for raising the hair on end.

2,577,840
COMPOSITIONS FOR USE IN TREATING FIBROUS MATERIALS TO IMPART WATER REPELLENCY
Robert R. Burnham, Buffalo, Arnold T. Anderson, Tonawanda, and Arthur M. Matheson, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 22, 1950, Serial No. 169,795
5 Claims. (Cl. 260—23)

1. A solid mixture adapted to be mixed with water to form a water repellent bath, comprising by weight 35 to 70 parts wax, 1 to 2 parts amine emulsion stabilizer, 12 to 20 parts emulsifier consisting of polyvinyl alcohol, 10 to 20 parts water soluble fatty acid salt of a metal of the group consisting of aluminum and zirconium, and up to 10 parts dry buffer containing sodium diacetate.

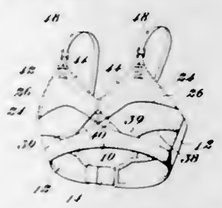
2,577,841
WHEEL ALIGNMENT GAUGE
John C. Creagmile, Walnut Creek, Calif.
Application April 4, 1946, Serial No. 659,601
3 Claims. (Cl. 33—203.18)

1. For gauging the alignment relations of a dirigible wheel, a wheel gauging unit comprising a calibrated arcuate spirit-level gauge, a gauge-carrying bracket having an arm portion and a sleeve portion, said arm portion extending radially from a said sleeve portion and having the gauge swivelled to the arm portion for its rotative adjustment about an axis radial to the arc of the level and extending through the zero



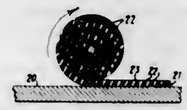
point of the gauge and laterally spaced from the axis of the sleeve in parallel relation thereto, a support rod engaged through the bore of the sleeve for a fixed adjusted disposal of the bracket along it, and means for directly mounting said support rod on the wheel in parallel relation to the wheel plane whereby to directly utilize the wheel-mounted gauge to measure the angularity of said axis with respect to the vertical.

2,577,842
BRASSIÈRE
Peter Ciringione, Stoneham, Mass.
Application April 1, 1950, Serial No. 153,422
4 Claims. (Cl. 2—42)



1. In a brassière a body-encircling band comprising side embracing portions and a narrow frontal band, said frontal band being adapted to extend across the body below the breasts of the wearer and said side embracing portions being attached to the opposite ends of the frontal band and having forward, spaced edges rising from the frontal band to a point corresponding substantially to the level of the tops of the breasts and nesting inner and outer pockets carried by the frontal band and the side embracing portions, each inner pocket being adapted to cover the entire convex surface of the breast, each inner pocket having a lower edge coextensive with one-half of the frontal band and continuously attached thereto, a lateral edge rising from the lower edge along one of the forward edges of the side embracing portion but terminating short of the upper end of said forward edge and said lateral and forward edges being joined continuously; and upwardly converging edges the inner ones of which originate substantially at the midpoint of the frontal band and the outer ones of which originate at a point corresponding to about the level of the nipples of the wear, each outer pocket having upwardly facing converging edges, the junctions of the upwardly converging edges and downwardly converging edges being attached respectively to the forward end of a shoulder strap and to the mid-point of one-half of the frontal band, an upwardly facing and downwardly facing edge at each side of a pocket converging at a point corresponding to about the level of the nipples, means securing the junctions of the upwardly and downwardly facing converging edges at the inner sides of said pockets to each other and means securing the junctions of the upwardly and downwardly facing converging edges of the outer sides of the pockets to the forward edges of the side embracing portions.

2,577,843
METHOD OF MANUFACTURING WIRE CORD
Melvin A. Crosby and Enrique L. Luaces, Dayton, Ohio, assignors to The Dayton Rubber Company, a corporation of Ohio
Original applications March 8, 1943, Serial No. 478,428, and December 14, 1946, Serial No. 716,348. Divided and this application December 14, 1946, Serial No. 716,347
1 Claim. (Cl. 154—91)

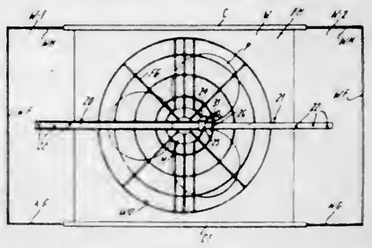


The method of manufacturing a wire cord which comprises applying a thin coating of rubber composition on a surface; placing thereover a plurality of fine wires lying parallel to and spaced from each other; depositing thereover a second thin layer of rubber composition; and rolling the resulting laminated body around the longitudinal axis of said wires in a plurality of involute layers to form a cord.

2,577,844
PRODUCTION OF CARBOXYETHYL CELLULOSES
Mamerto Manahan Cruz, Jr., Wilmington, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1947, Serial No. 788,679
3 Claims. (Cl. 260—231)

3. A method for the production of homogeneous cellulose carboxyethyl ethers which comprises treating viscose containing sulfur-comprising by-products with a substance selected from the group consisting of acetic acid, ammonium sulfate, sodium bisulfate, and mixtures of acetic acid and sodium bisulfate to thereby simultaneously coagulate the viscose and dissolve out the sulfur-comprising by-products, washing the coagulated viscose to remove any residual sulfur-comprising by-products adhering thereto, dissolving the coagulated viscose in a 10% aqueous sodium hydroxide solution, adding about 10% of acrylonitrile based on the weight of viscose to the solution, maintaining the solution at a temperature between 5 and 40° C. until the product of reaction between the dissolved cellulose and acrylonitrile consists substantially entirely of carboxyethyl cellulose, adding from about 6 to about 10% of acrylonitrile, based on the weight of the viscose, to the reaction mass, and maintaining the mass at a temperature between 5 and 40° C. until the reaction product again consists substantially entirely of carboxyethyl cellulose.

2,577,845
WINDOW FAN ASSEMBLY WITH WIDTH-ADJUSTMENT PROVISION
George A. Delf, Creve Cour, and Robert E. Kortum, Robertson, Mo.
Application December 16, 1949, Serial No. 133,392
5 Claims. (Cl. 98—94)



1. In an adjustable width window fan assembly, a fan, a driving motor therefor, a frame structure supporting the fan and motor, a pair of longitudinally slidable wing elements located one at each opposite side of said frame structure, an arm attached to each of said wing elements, one of said arms being of a channelled section and the other said arm consisting of a bar adapted closely to interfit the channelled arm, a slotted member slidable along said bar, the slot therein being of appreciably greater length than the width of said bar, whereby the slotted member may be clamped or cocked in place on the bar, a threaded element carried by the slotted member and normally disposed at an acute angle thereto, and an abutment for the threaded element carried by the channelled arm, with the abutment surface thereon at an acute angle to the axis of said channelled member.

2,577,846
PROCESS FOR DYEING VINYL RESIN TEXTILE ARTICLES
Theophilus A. Feild, Jr., Charleston, W. Va., assignor to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 11, 1946, Serial No. 676,099
10 Claims. (Cl. 8—17)

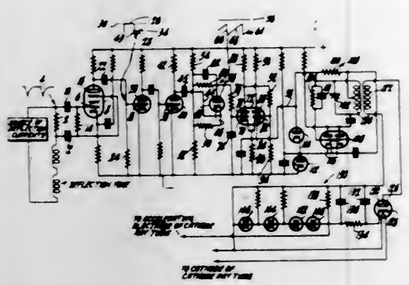
1. Process for dyeing textile filaments and yarns made from a resinous copolymer selected from the class consisting of copolymers of a vinyl halide with a vinyl ester of an aliphatic acid, and after-chlorinated copolymers of a vinyl halide with a vinyl ester of an aliphatic acid, to provide a dyed article of good wash fastness and crock fastness, while improving the tenacity and other physical properties of such dyed article, which comprises subjecting such a filament or yarn to a solution of a dyestuff selected from the class consisting of acetate-type, basic-type and oil soluble-type dyestuffs, which solution is substantially free from solvents for said copolymer and is maintained at a temperature substantially below the softening point of the copolymer yarn, thereby depositing a thin film of the dyestuff upon the surface of the yarn, while preventing release of any internal strains present in said yarn, and thereafter exposing the coated yarn for a brief time interval to heat maintained at a temperature within the range between around 105° C. and around 200° C., while concurrently stretching the coated yarn, thereby simultaneously increasing the strength of the yarn, reducing the elongation of the yarn,

fixing the dye within the yarn, and providing a dyed product having good wash fastness and crock fastness.

2,577,847
PURIFICATION OF CHLOROCARBONS
Patrick Anthony Florio, Woodside, and John Douglas Calfee, Manhasset, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 16, 1948, Serial No. 55,024
13 Claims. (Cl. 260—654)

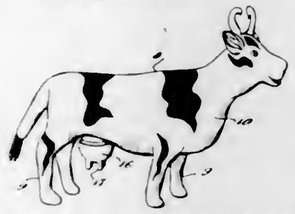
1. In the purification of a chlorocarbon of the group consisting of $CCl_2=CCl_2$ and CCl_4 containing as impurity a chemically active organic fluorine containing material, the step of subjecting said chlorocarbon and said fluorine impurity to the action of an agent of the group consisting of silica, silicic acids, silicates and mixtures thereof at temperature in the range of approximately 50–150° C. and for a time sufficient to effect substantial interaction of said impurity with said agent and to substantially reduce the said impurity content of said chlorocarbon, separating the resulting chlorocarbon from said treating agent, and distilling from the treated chlorocarbon a purified product.

2,577,848
PROTECTIVE CIRCUIT
Francis D. Greenleaf, Oaklyn, Louis M. Seeberger, Woodbury, and Spurgeon H. Buder, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 16, 1950, Serial No. 144,544
7 Claims. (Cl. 315—20)



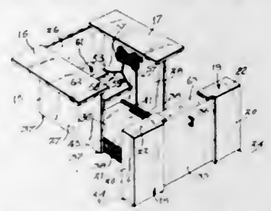
1. A protection circuit for cathode ray tubes comprising in combination a deflection circuit adapted to operate at a cyclic rate, means for developing a direct voltage pulse once during each cycle of operation of said deflection circuit, a trigger circuit, a coupling network for connecting said means for developing pulses to said trigger circuit in such manner that the pulses tend to maintain said trigger circuit in one state, the time constant of said coupling network being such that said trigger circuit is maintained in one state for at least the remainder of one cycle of operation of said deflection circuit, a free-running oscillator, a coupling circuit connected between said oscillator and said trigger circuit in such manner that oscillations are interrupted when the trigger circuit is in its other state, and a rectifier for deriving a direct current potential in response to the output of said oscillator.

2,577,849
SIMULATED DISPENSING DEVICE
Beulah Louise Henry, New York, N. Y.
Application April 14, 1948, Serial No. 20,980
1 Claim. (Cl. 222—78)



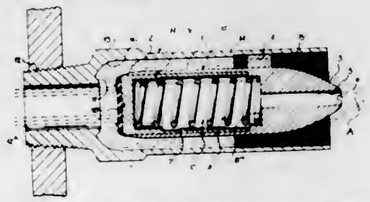
In a toy cow, a cow body having a cavity opening through the top and under side thereof adjacent the rear legs, a receptacle including a hollow rigid upper portion located in said cavity with the upper end thereof located at the top of said cavity and the lower end thereof protruding through the opening in the under side of the body, a hollow flexible resilient lower portion having a generally rounded lower wall provided with a plurality of apertured teats and an upper wall extending inwardly from the upper end of said rounded wall and connected with the protruding lower end of said rigid upper portion to dispose the flexible resilient lower portion in closing relation with the lower end of the receptacle, said resilient lower portion being normally expanded and being adapted to be compressed to discharge liquid from the receptacle through said teats and to return to normal expanded relation after compression, and a flexible resilient covering closing the upper end of the cavity and secured in overlying relation with the upper end of said hollow rigid upper portion and having an expandable opening disposed in registry with the upper end thereof for admitting liquid to said receptacle.

2,577,850
HOME BAR UNIT
Frank G. Holmes, Philadelphia, Pa.
Application April 6, 1948, Serial No. 19,411
10 Claims. (Cl. 312—140.2)



1. An expansible bar structure comprising a rear cabinet unit, a front cabinet unit, laterally oppositely movable sections forming parts of said front unit, a platform connected to the front unit and forwardly withdrawable from the rear unit, pull means associated with the front unit for moving said platform relative to the rear unit to separate the two units, means carried by said front unit and connected to said sections and responsive to operation of said pull means for laterally oppositely moving said sections relative to the remainder of the front unit, each of said sections having a side wall, a front wall, a top wall and a bottom wall, and said front unit including an auxiliary floor member overlying the bottom wall of both sections, there being anti-friction floor engaging means at the underside of the bottom wall of each section, and said auxiliary floor member being the part of said front unit to which said platform is connected.

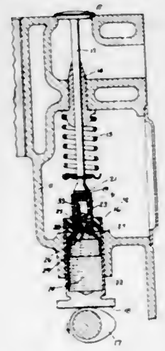
2,577,851
PRESSURE RELIEF VALVE
Frank Hribar, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application August 9, 1946, Serial No. 689,442
2 Claims. (Cl. 137—53)



1. In a check valve, an elongated valve body having an inlet port, a valve seat surrounding said port and a through bore leading from said seat, a tubular valve guide supported in said bore by means which permit fluid to pass between said guide and body, a valve member movably telescoped with and closely fitting said guide for engaging said seat, said valve member having a substantially flat seating face, said valve member and guide cooperating to form a spring chamber, a spring in said chamber to seat the valve member, the spacing of said valve and the rearward portion of the guide from the body being such that with the valve open a fluid passageway is formed around the parts that is substantially no smaller in area than that of the port whereby substantially no fluid velocity increase occurs as fluid flows around the valve and rearward guide portion, the axially outer end of said guide being formed with a streamlined nose whereby fluid velocity increases as it flows past the end of said nose and a low pressure area is formed by the streamline flow of fluid past the nose when the valve member is unseated, and a port in said nose leading from the portion thereof at said low pressure area into said chamber whereby fluid pressure in said chamber is less than that where the fluid flows between said valve and body, said pressure differential and impact of fluid on said flat valve face tending to hold said valve open.

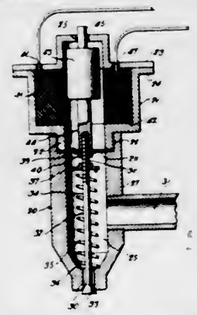
2,577,852
SELF-ADJUSTING TAPPET
George H. Hufferd, Shaker Heights, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1945, Serial No. 589,234
2 Claims. (Cl. 123—90)

1. A self-adjusting tappet comprising a cylinder member, a piston member telescoped with said cylinder member, said piston and cylinder members having slidably engaging portions cooperating to form a hydraulic pressure chamber, said piston member having a neck of smaller diameter than said cylinder member and disposed outwardly of said slidable engaging portions, a seal of flexible rubber-like material extending between said cylinder and the neck of said piston member and bonded to each member for preventing escape from the tappet of the fluid leaking from said pressure chamber past said piston member, a hydraulic reservoir chamber formed in one of said members, said pressure chamber and reservoir chamber having a common wall portion integral with one of said members, liquid transfer port means formed in said common wall portion for fluid transfer between said chambers, hydraulic fluid within said pressure chamber and partially filling said reservoir chamber, resilient means in one of said chambers for causing transfer of liquid through said transfer opening from the reservoir chamber to the pressure chamber to thereby allow relative movement of said members in order to increase the tappet length, the



wall portions of said piston and cylinder members that define said hydraulic pressure chamber being imperforate except for said liquid transfer port means between said pressure and reservoir chambers, said fluid sealing means blocking flow of liquid out of said pressure chamber in normal operation and insuring that all fluid transfer between said chambers occurs through said transfer means, said liquid transfer port means forming the sole fluid passage communicating with said reservoir chamber.

2,577,853
ATOMIZING NOZZLE
Fred Kurata, Lawrence, Kans., assignor to Kask Technical Corporation, Jackson Heights, N. Y., a corporation of New York
Original application May 2, 1944, Serial No. 533,720. Divided and this application May 19, 1948, Serial No. 27,924
5 Claims. (Cl. 299—121)



5. An atomizing nozzle comprising a body portion having a chamber for holding liquid to be atomized and an outlet orifice of smaller cross-section for the passage of liquid from said chamber, said outlet orifice having an edged seat on the downstream side substantially flush with said body portion, means for connecting said chamber with a conduit transmitting liquid, a

flexible diaphragm positioned within said chamber and separating said chamber into a nozzle portion including said orifice and a housing portion for a vibration producing means, a valve member concentrically seated in said edged seat of said outlet orifice, said valve member being adapted to freely move in a direction substantially perpendicular to said orifice, a spring positioned in said nozzle portion for urging said valve member against said edged seat of said outlet orifice, and electromagnetic means positioned in said housing portion adapted to rapidly vibrate said valve member so as to atomize liquid passing from said chamber through said orifice.

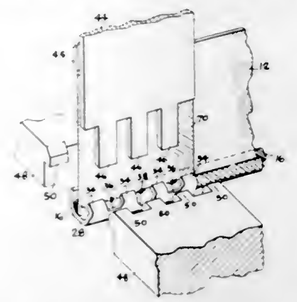
2,577,854
COLLAPSIBLE HANGER
George Marbit, Brooklyn, N. Y.
Application June 23, 1950, Serial No. 169,827
3 Claims. (Cl. 223—94)



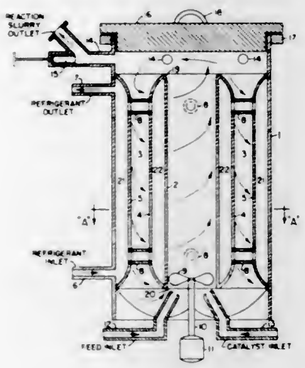
1. A folding garment hanger comprising a pair of inner strip members the proximate ends of which are spaced a short distance apart, a pair of hinges on the under sides of said strips and connecting said proximate ends, there being a lateral space between the hinges, a pair of outer strip members, a hinge located on the upper sides of and connecting each inner strip with an outer strip, the proximate edges of adjacent inner and outer strips being angled to limit relative angular movements of the strips, a hook member situated transversely with respect to the strips and having a stem extending through the space between the inner strips and between the first said hinges, said stem having a slot in its lower end, and upwardly inwardly tapering retaining sheet member having its upper edge in said slot, and a pivot pin passing through the retaining member and the stem to pivotally connect the two, the under faces of the inner strips adjacent their hinged end having a pair of notches which receive the tapering sides of said retaining member.

2,577,855
METHOD OF MAKING SEPARABLE END STOP FOR SLIDE FASTENERS
Otto J. Moehler, Newark, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application October 30, 1946, Serial No. 706,544
1 Claim. (Cl. 29—148)

In the manufacture of a slide fastener having a separable end stop comprising a clip clamped over a stud on one tape, for removably receiving a pin on the other tape, the method which includes forming the stud with edges each having a plurality of blunt teeth spaced apart by a plurality of relatively wide notches, tucking the beaded edge of the tape tightly into the stud by a pressure applied in the direction of the tape at spaced points at the notches between but not at the teeth, and closing the teeth about the beaded edge by pressure exerted in a direction transverse of the tape at spaced points on the teeth but not between the teeth while maintaining the aforesaid tucking pressure on said beaded edge between the teeth.

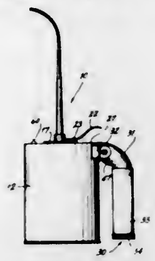


2,577,856
POLYMERIZATION REACTION VESSEL
Joseph F. Nelson, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 15, 1944, Serial No. 545,099
6 Claims. (Cl. 23—285)



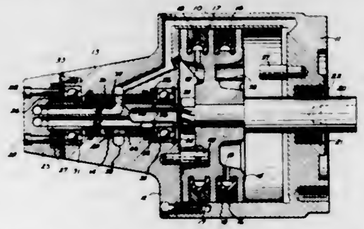
1. An improved reactor vessel comprising a cylindrical shell, a cylindrical reaction conduit member concentrically of said shell, and having upper and lower ends terminating in vertically spaced relation to the top and bottom of said shell and with the side walls in radially spaced relation, an annular reaction conduit member, concentric with said cylindrical member and the shell, disposed between said cylindrical member and the shell sidewalls, in radially spaced relation to each, the upper and lower end portions of said annular member divergently flared into fluid tight union with the upper and lower ends of said cylindrical member and with the shell respectively, and forming therewith concentric annular chambers between the wall portions of said annular conduit and the walls of said shell and cylindrical conduit member respectively, separate means for introducing process materials into said shell and for removing a product therefrom, means for circulating said reactant materials through said shell and the conduit members, and conduit means communicating with said annular chambers to circulate a heat exchange medium therethrough.

2,577,857
COMBINATION OIL CAN AND LIGHT
Henry Samuel Parisotto, St. Louis, Mo., assignor of one-half to Carman D'Amico, St. Louis, Mo.
Application January 30, 1948, Serial No. 5,338
1 Claim. (Cl. 222—113)



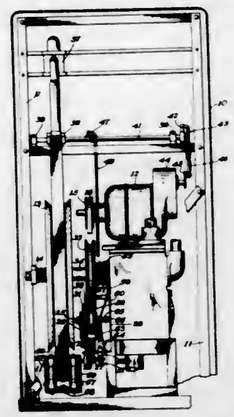
In combination, an oil can including a casing and a spout, said casing having an interior chamber roof and a false top spaced upwardly therefrom, said chamber roof and false top being disposed circumferentially about the base of the spout and including an outer annular wall forming a vertical extension of the sides of the casing, a sump in said false top, a light bulb mounted in said sump in said false top and focused on the free end of said spout, a handle secured to said casing extension, flashlight batteries disposed in said handle, power transmitting means connecting said bulb and said batteries including a wire extending through the space between said false top and interior roof, and a switch mounted in said handle and disposed in connection with said power transmitting means for completing and interrupting the battery-bulb circuit, said switch being located for ready manipulation by the index finger of a hand grasping the handle.

2,577,858
HIGH-SPEED ROTATING CYLINDER
Merritt B. Sampson, Cleveland, Ohio, assignor to The S-P Manufacturing Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1950, Serial No. 170,751
7 Claims. (Cl. 121—38)



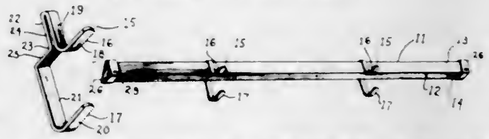
1. Mechanism for actuating an air chuck comprising a fixed axle shaft, anti-friction bearings thereon adjacent the ends thereof, a cylinder rotatably mounted thereon having an axial bore therein, a piston in said cylinder, a sleeve affixed upon said shaft intermediate said bearings and in spaced relation with the bore in said cylinder, said shaft having a pressure fluid passageway therein leading to said cylinder rearward said piston, said shaft, sleeve, and cylinder having pressure fluid passageways therein leading to the cylinder forward said piston, seals intermediate said shaft and cylinder embodying cups mounted in the cylinder, shells concentric therewith, rings in said shells engaged with the end walls of said sleeve and deformable rings intermediate said cups and said shells, the rings carried by said shells being urged against the end walls of said sleeve by the pressure fluid entering said cups.

2,577,859
HOSE REEL OPERATING MECHANISM FOR GASOLINE PUMPS
Waldo P. Schirmer, Brecksville, Ohio
Application October 25, 1947, Serial No. 782,059
13 Claims. (Cl. 222—74)



1. In combination, a housing, a drive motor therein, a delivery hose, mechanism operated by said motor for winding the hose upon a reel comprising a rotative member driven by the motor, a clutch engageable therewith, an arm for the support thereof, a second clutch on said arm, power transmission means between the first- and second-named clutches, a second rotative member engageable with the second clutch, a hose reel connected with the second rotative member, a lever fulcrumed on the pump housing for the support of the free end of the hose, and linkage connected to the lever and said arm for controlling the driving connections from the motor to the reel.

2,577,860
RACK
Samuel Schoor, Newark, N. J., assignor, by mesne assignments, to Copper Clad Products Inc., Newark, N. J., a corporation of New Jersey
Application May 19, 1949, Serial No. 94,150
9 Claims. (Cl. 211—105.1)



1. A rack comprising a relatively thin V-shaped rod having substantially convex outer and concave inner sides, a hanger slidably positioned on the rod, a V-shaped back portion of the hanger conforming to the inner side of the rod, and a front portion of the hanger connected to the back portion and conforming to a portion of the outer side of the rod, upwardly extending hooks connected to the front and back portions of the hanger, and a bracket extending across the back of the rod and in engagement with the front thereof.

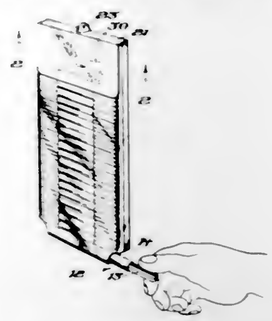
2,577,861
ADJUSTING MEANS FOR CHAIN WRENCH
Leroy K. Selfridge, Portland, Oreg.
Application May 19, 1947, Serial No. 748,917
2 Claims. (Cl. 81—66)



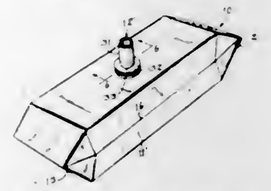
1. A pipe wrench comprising a hollow tubular handle having a longitudinal slot on one side of the handle, a sliding anchor in said handle, a thumb piece on one side of said anchor projecting out through said slot to move said anchor, detents on said one side of said anchor, a spring on the opposite side of said anchor having sliding engagement with the interior of said handle, a series of detent engaging means in said handle spaced along said slot to secure said anchor in different adjusted positions, a gripping chain having one end attached to said sliding anchor within said handle, a pivot on one end of said handle at said one side of the handle, a pivotal anchor member having one end mounted on said pivot and having a free end extending across said end of the handle, means on said free end of said pivotal anchor member for detachably securing the other end of said gripping chain, and a curved guide surface for the chain forming one wall of an opening in said end of the handle and extending partially around said pivot at a distance from the pivot axis to form a fulcrum for tightening said gripping chain around an object upon relative pivotal movement of said handle and pivotal anchor member, the opposite side of said handle having a smooth, uninterrupted exterior surface extending the full length of the handle for grasping the handle to apply said relative pivotal movement.

2,577,862
DISPENSING CONTAINER FOR STACKED ELONGATED ARTICLES
Charles Knowlton Shaw, Jr., Pawtucket, R. I., assignor to Shaw-Randall Company, Inc., a corporation of Rhode Island
Application April 1, 1948, Serial No. 18,421
2 Claims. (Cl. 312—42)

1. An article dispensing package comprising a body member having a back wall with side walls extending therefrom along two of its opposite edges a distance spaced from an end of the back wall, a cover member having back and front walls connected by side walls to telescopingly fit said body member, elongated articles in said body in side-by-side relation and of a dimension substantially the distance between said back and front walls, the back and front walls of said cover member protruding beyond the side walls of the body member in a width less than the length of said article for a distance greater than the lateral dimension of said articles, an end wall connecting said protruding back and front walls, leaving the articles exposed whereby the elongated articles may be withdrawn from the package and a flap extending from the bottom wall of the body member to be tucked into the front wall of the cover member to serve as a closure for the opposite end of the package.



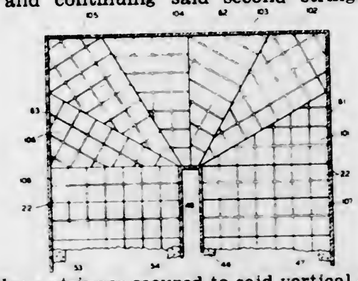
2,577,863
PAPER DUST COLLECTING BAG FOR VACUUM CLEANERS
Michael Sosnowich, Brooklyn, N. Y.
Application September 29, 1949, Serial No. 118,503
3 Claims. (Cl. 183—51)



1. A discardable bag for use on a vacuum cleaner comprising a main subdivision formed of porous material and a tunnel attached to said main subdivision for attachment to the discharge nozzle of the vacuum cleaner, said main subdivision being formed with a hole having slits radiating therefrom, said tunnel comprising an inner sleeve having an end portion of a diameter equal to that of said hole and projected through said hole, an outer sleeve threadedly engaged upon the extended end portion of said inner sleeve, and flanges radiating from the inner ends of said sleeves and engaging the inner and outer faces of the material of the bag about said hole.

2,577,864
STAIRS
John W. Thornton, San Francisco, and Peter D. Donlon, Piedmont, Calif., assignors to Prefab Stairs and Tile, Inc., a corporation of California
Application August 7, 1945, Serial No. 609,400
2 Claims. (Cl. 72—96)

1. A stair construction comprising a first and a second side wall in a spaced parallel vertical relationship; an end wall joining said side walls and at substantially 90° to each of said side walls; an intermediate vertical column positioned substantially midway between and substantially parallel to said side walls and in a spaced relation to said end wall to provide a U-shaped stair well; said intermediate column having a first column wall parallel to said first side wall, a second column wall parallel to said second side wall, and an end column wall parallel to said first mentioned end wall and joining said first and second column walls; a first stair stringer extending upwardly and secured along said first side wall; a second stair stringer secured to said end wall and continuing said first stringer upwardly; a third stair stringer secured to said second side wall and continuing said second stringer upwardly; a stringer secured to said vertical column and consisting of a first portion extending upwardly along the first column wall, a second portion extending along the end column wall and continuing said first portion upwardly, and a third portion extending along the second column wall and continuing the second portion upwardly, each stringer being provided with spaced horizontal tread supports, the tread supports of the stringers on the side walls and said first mentioned end wall being in the same planes as the corresponding tread supports of the column stringer, and stair treads extending between corresponding stair tread supports.

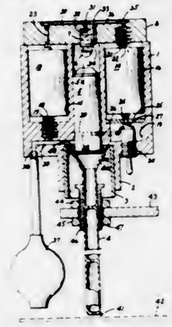


2,577,865
PROCESS FOR PREPARING METAL SALTS OF PENICILLIN
Max Tishler, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application September 11, 1946, Serial No. 696,350. Divided and this application February 25, 1950, Serial No. 146,410
4 Claims. (Cl. 260—239.1)

1. The process which comprises reacting a tertiary amine salt of penicillin with an aqueous solution of an alkali forming hydroxide selected from the group consisting of alkali metal hydroxides and alkaline earth metal hydroxides in the presence of a substantially water-immiscible organic solvent and recovering the corresponding metal salt of penicillin from the reaction mixture.

2,577,866
CENTERING DEVICE FOR PLASTIC FUNNELS
Wesley L. Webb, Glenmoore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 10, 1947, Serial No. 733,585
10 Claims. (Cl. 33—46)

1. An apparatus for centering a spinning funnel comprising a housing, a surface for seating said housing on the funnel, a lamp within the housing, means within the housing for concentrating light from the lamp into a beam of small cross-section having substantially parallel rays, means for positioning the device on the funnel with the beam centered with respect to, and aligned to shine through, the funnel, and means for expelling liquid from the lower end portion of the funnel.



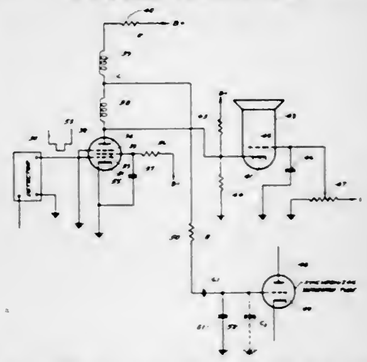
2,577,867
PREPARATION OF BETA-METHYLCROTONALDEHYDE
Norman L. Wendler, Linden, and Harry L. Slates, Cranford, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 1, 1950, Serial No. 153,488
9 Claims. (Cl. 260—601)

1. The process for preparing β-methylcrotonaldehyde which comprises intimately contacting an ester of the formula:

$$(RO)_2CH—CH_2—COOR_1$$

wherein R and R_1 are lower alkyl groups, with a methyl magnesium halide selected from the group consisting of methyl magnesium bromide and methyl magnesium iodide, treating the resulting reaction product with water to produce the corresponding β-hydroxyisovaleraldehyde dialkyl acetal, and treating said acetal with a strong non-oxidizing acid to produce β-methylcrotonaldehyde.

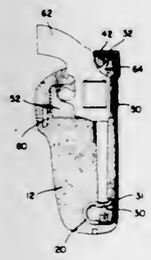
2,577,868
VIDEO AMPLIFIER COUPLING NETWORK FOR TELEVISION RECEIVERS
Francis A. Wissel, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application May 4, 1950, Serial No. 160,028
2 Claims. (Cl. 178—7.5)



2. In a television receiver circuit the combination comprising a kinescope input circuit, a high-frequency compensated video amplifier coupled

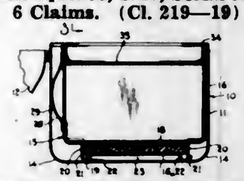
to said kinescope input circuit, said amplifier having a control grid, an anode and a cathode, an A.-C. by-passed source of anode potential having a negative terminal connected to an equipotential plane, a high-frequency compensating circuit coupled between said anode and the positive terminal of said potential source, said compensating circuit comprising an inductor element and a two-terminal constant resistance network R connected in series wherein the inductance element is coupled to said anode and the resistance network is coupled to the positive terminal of said potential source, said constant resistance network comprising a sync pulse separator having an inherent input capacitance C relative to said equipotential plane, a resistance having a resistance parameter R coupled between said sync separator input and the constant resistance network terminal common to said compensating inductor, an inductor having an inductance parameter L and a resistor having a resistance parameter R connected in series between the two network terminals, the value of said inductor L being equal to CR^2, a source of composite video signals coupled to the input circuit of said amplifier, whereby the amplitude of the signals fed to the sync separator input are increasingly attenuated at higher frequencies and whereby the signals fed to said kinescope input are high frequency compensated.

2,577,869
PISTOL HOLSTER
Sumner W. Adams, Sequim, Wash.
Application October 24, 1949, Serial No. 123,241
4 Claims. (Cl. 224—2.2)



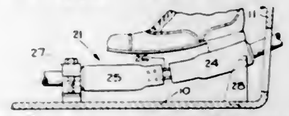
1. In a holster of a shape to enclose all but the butt of a pistol, having an open forward edge for cross-body drawing of a pistol therein, the improvement comprising: an elevator spring, formed of a strip of resilient metal bent substantially in the shape of a D but not connected at one end, positioned in the base of the holster, one side of the D being above the other side and the free ends of the sides directed to the rear, the lower side being secured to the holster, and the upper side having a downward step and an upturned end, the upper side resisting downward motion of the end of the barrel of a pistol in the holster; a vertical latch positioned in the upper end of the holster preventing direct forward movement of the hammer spur of a pistol when the hammer spur is positioned between the vertical latch and the rear of the holster; and a strip of resilient metal bent substantially in the shape of a U positioned in the holster with the legs of the U directed forward and the legs positioned to bear on opposite sides of a pistol in the holster above the barrel, the end of the outer leg being curved outwardly.

2,577,870
ELECTRICALLY HEATED LUNCH KIT
Jack B. Aston, Rittman, Ohio
Application April 30, 1947, Serial No. 744,981
6 Claims. (Cl. 219—19)



1. The combination with a portable lunch box having a bottom box-like part and a top closure member, of a self-contained food containing and heating unit, said unit comprising a box-like food container adapted to be removably fitted within said bottom part, an elongated relatively flat electrical heating element, guide means on the underside of said container for removably slidably receiving said element, said guide means having portions supporting said container on the bottom of said bottom part with an air space between the same and said element.

2,577,871
TWO-PART CONNECTOR AND CAM MEANS FOR FORCING THE TWO PARTS INTO ENGAGEMENT
Walter J. Bauroth, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 1, 1948, Serial No. 62,796
6 Claims. (Cl. 173—328)



1. In combination, an electrical connector including cooperating plug and socket parts adapted to be placed together by rectilinear movement of one part with respect to the other, each of said parts having an electrical conductor extending from one end thereof and one having a cam surface at each side of the electrical conductor, and means for aiding in placing said parts together and then supporting the said parts against rectilinear separating movement, said last named means including means forming a base, a clamp means on said base clamping the electrical conductor of one of said parts thereby mounting the said part to said base, and two abutment means on said base spaced from said clamp means adapted to straddle the electrical conductor of the other of said connector parts, said abutments having cam means thereon adapted to cooperate with the cam means on said other connector part to force said connector parts together when said connector member is moved in a direction transverse to the direction in which said connector parts are moved to place them together.

2,577,872
ADJUSTABLE FLOW FOUNTAIN TYPE WASHER DEVICE
William E. Berndsen, Cleveland, Ohio
Application June 29, 1949, Serial No. 102,019
6 Claims. (Cl. 15—130)

1. In a washer device, a backing plate having at least one opening therein, a rigid control and coupling tube secured to said backing plate and extending from the rear surface thereof, said tube being adapted to be coupled to a source of cleaning liquid and communicating with said opening

in said backing plate, a sponge pad removably engaged with the front surface of said plate and covering said opening therein, a control valve plate on said backing plate slidably positioned intermediate said backing plate and said sponge pad on the front surface of said backing plate over the opening therein and controlling liquid flow from said tube, said sponge pad having a hole therein extending therethrough from the front to the rear surface thereof, a discharge nozzle on said backing plate and protruding through said valve plate to extend into said hole in said sponge pad, said discharge nozzle communicating with said tube, said control valve

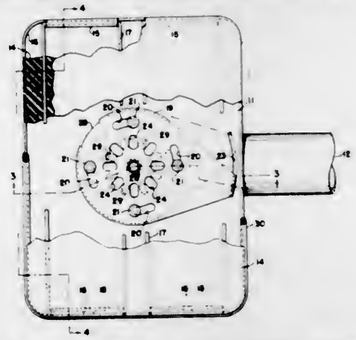
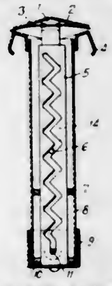


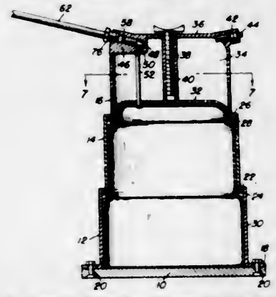
plate having a discharge port in appreciably spaced relation to said discharge nozzle but movable into communication with said tube by registration with said opening in said backing plate for discharge of cleaning liquid into said sponge pad, and a washer for said valve plate positioned intermediate said backing plate and said valve plate to aid in positioning said valve plate in an adjustable manner, said valve plate being movable to open or close said discharge port.

2,577,873
SHAVING APPARATUS
Lennart Bertil Vilhelm Brange and Bror Einar Sjöstrand, Boras, Sweden
Application June 21, 1949, Serial No. 100,474
In Sweden June 25, 1948
9 Claims. (Cl. 30—36)



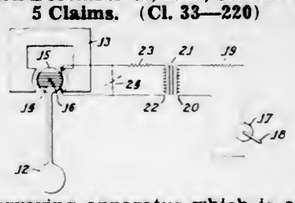
1. In a shaving apparatus comprising a lower guard and an upper guard arranged on a tubular handle and having a razor blade secured between them, a holder supporting the razor blade, an extension of said holder extending into said tubular handle, a driving member reciprocally movable in the longitudinal direction of the handle, a corrugated guiding face on said driving member and means on said extension of said holder adapted for cooperation with said corrugated face of said driving member for reciprocating displacement of said holder and of the razor blade supported by said holder in a direction transverse to the cutting edges of the razor blade relative to the upper and lower guards when said driving member is displaced within said handle for honing the razor blade edges against said upper and lower guards.

2,577,874
JACK WITH BLADDER MOTOR
Raymond Carnahan, Magnolia, Ark.
Application December 4, 1950, Serial No. 198,943
4 Claims. (Cl. 60—57)



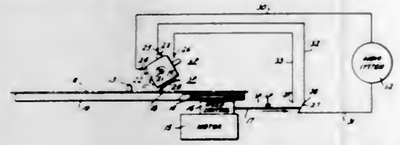
2. A jack comprising a housing which includes a number of extensibly connected sections, a first of said sections having a bottom wall, side walls and a top to thereby define a pressure chamber, a bladder disposed in said housing and contacting said first section, said bladder constituting a motor to lift said first section, and a valve to regulate the admission of fluid under pressure located in a means of conducting fluid under pressure from said chamber into said bladder.

2,577,875
PENDULUM COMPENSATOR
Raymond T. Cloud, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application December 22, 1945, Serial No. 636,867
5 Claims. (Cl. 33—220)



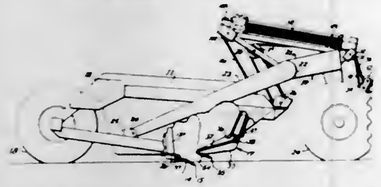
2. A surveying apparatus which is adapted to be carried on a vehicle comprising a pendulum rotatably mounted on a substantially horizontal axis which is substantially transverse to the direction of motion of said vehicle, a generator of electric current which is adapted to produce a current proportional to the time derivative of the velocity of said vehicle, a torque compensator including a permanent magnet attached to said vehicle and having a coil wound on a cylindrical iron core connected with said generator and rotatably associated with said pendulum and having at least a portion which rotates within the magnetic field of said permanent magnet, a pole piece on said permanent magnet having a curved face which is substantially symmetrical about a transverse plane, the spacing between said face and said core varying substantially inversely as the cosine of the angle the plane of said coil makes with said transverse plane whereby a restoring torque is produced on said pendulum which is substantially proportional to the cosine of the angle of slope of the path over which said vehicle travels.

2,577,876
PHONOGRAPH CONTROL ARRANGEMENT
Richard S. Cranmer, Wyncote, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 3, 1949, Serial No. 74,325
3 Claims. (Cl. 179—100.4)



1. In a phonograph instrument of the kind adapted to operate at selectable predetermined rates of speed and with selectable differently dimensioned styli, means for selecting the operational speed of the instrument, means for selecting the stylus to be used in conjunction with the selected speed, an audio system, and a pair of independently operable switches in circuit with said system for controlling the operation thereof in accordance with the stylus and speed selection, one switch having contact means connected with the stylus selecting means and operable in response to stylus selection, the other switch having contact means connected with the speed selecting means and operable in response to speed selection.

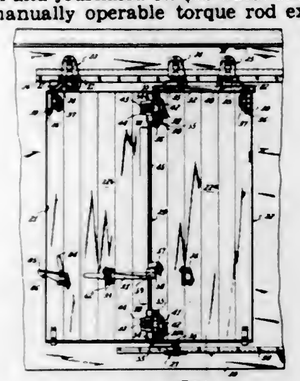
2,577,877
DIRT SCRAPING APPARATUS
Gordon E. Daniels, Nashville, Tenn.
Application October 2, 1945, Serial No. 619,769
11 Claims. (Cl. 37—126)



1. In a scraping apparatus, the combination of a scraper body adapted to be moved along the ground and comprising a receptacle having an opening therein to receive material; a pair of juxtaposed scraping blades in said opening, each of said blades being adapted to direct material scraped thereby through said opening and into said body during forward movement of said body, one of said blades having a length greater than the other, and means for selectively moving one of said blades vertically relatively to the other whereby to cause either of said blades to direct material into said receptacle during movement of said body and for rendering the other of said blades ineffective.

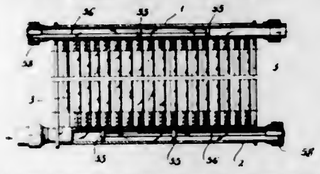
2,577,878
SLIDING DOOR OPERATING MECHANISM
Ray E. De Camp, Glendale, and Rockwell Hereford, Pasadena, Calif., assignors, by mesne assignments, to Consolidated Western Steel Corporation, Los Angeles, Calif., a corporation of Delaware
Application November 17, 1947, Serial No. 786,464
3 Claims. (Cl. 268—72)

1. In a mechanism for operating a refrigerator car door of the type including a panel adapted to be bodily set into and pulled out of an opening in the car wall defined by spaced jambs, a lintel and a sill, a pair of arms pivoted on hangers adapted to travel horizontally above said lintel, said arms extending above the upper edges of the door and having pivot pins depending therefrom and journaled on the outer face of the door, a manually operable torque rod extending



vertically of the door, and connecting means whereby rotation of said rod turns one of said arms, the combination therewith of a crank on the other of said arms, and a link pivotally connected to said crank and to a point on said one of said arms intermediate the ends thereof effective to transmit angular motion from said one of said arms to the other.

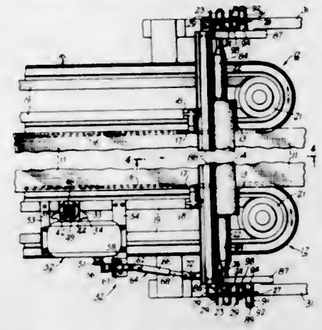
2,577,879
APPARATUS FOR TREATING LIQUIDS WITH RADIATION
William Patrick de Stoutz, Lausanne, Switzerland
Application November 2, 1945, Serial No. 626,278
In France October 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 24, 1964
4 Claims. (Cl. 250—43)



1. An apparatus for treating liquids with radiation comprising at least one pair of spaced collectors extending parallel and opposite to each other, a plurality of parallel tubes connecting said collectors, means to irradiate liquid passing through said tubes, and at least one transverse partition in each of said collectors dividing the collectors in compartments, the partitions in one collector being disposed in staggered relationship to the partitions of the opposite collector, thereby prolonging the length of travel of the liquid through the apparatus.

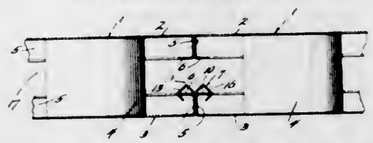
2,577,880
APPARATUS FOR TENTERING
Frederick G. Dodge, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application August 4, 1948, Serial No. 42,434
4 Claims. (Cl. 26—57)

1. In an apparatus for treating a fabric, a plurality of driven tenter chains, and means, including a roller operatively connected to at least one of said tenter chains, for feeding said



fabric to said tenter chains at a linear speed less than the speed at which said tenter chains are driven.

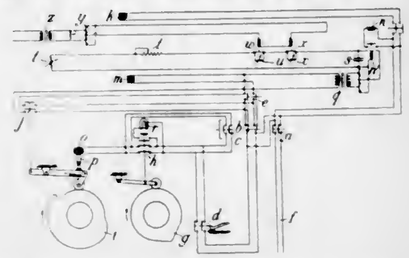
2,577,881
SECURING CLIP FOR WALL PANELS
Joseph J. Dugas, New Orleans, La., assignor to Higgins Industries, Inc., a corporation of Louisiana (in liquidation)
Application September 18, 1947, Serial No. 774,845
1 Claim. (Cl. 189—34)



In combination with a pair of juxtaposed aligned wall panels having abutting end flanges perpendicular to the plane of their faces, forming a joint, and marginal flanges extending oppositely from said end flanges in a common plane parallel to their face plane and forming a groove at their plane of separation, a securing clip comprising a resilient channel folded along equidistantly spaced longitudinal parallel lines, the sides of said channel being folded to form oppositely facing dihedral troughs resiliently embracing said marginal flanges with the ends of said flanges seated in the apices of said troughs, the base of said channel being folded to form a medial re-entrant dihedral angle the apex of which rests in said groove, the adjacent sides of said troughs and said re-entrant angle intersecting along lines of fold defining outwardly directed dihedral angles intermediate said troughs and said re-entrant angle.

2,577,882
FORGING PRESS
John Foster, Openshaw, Manchester, England, assignor to B. & S. Massey Limited, Openshaw, Manchester, England, a British company
Application November 23, 1949, Serial No. 128,959
In Great Britain November 29, 1948
3 Claims. (Cl. 192—144)

1. In a control system for presses and forging machines of the type having a ram actuated by an eccentric shaft, a brake for arresting the eccentric shaft and a clutch for coupling the eccentric shaft to a driving medium: a clutch-operating solenoid, a brake-operating solenoid, contacts for connecting the brake solenoid to a current supply source, a brake relay for actuating said contacts, switch means for connecting the clutch solenoid and the brake relay to a current supply source, a delay circuit associated with the brake relay for retarding the opening of the relay when disconnected from the current supply source, the delay circuit comprising a condenser and a variable resistance and a plurality of further resistances, said resistances



being connected in series with one another and in parallel with the condenser, spring-loaded electromagnetically operated contactors normally short-circuiting said further resistances, means for deriving a current for operating said contactors proportional to the current of the motor driving the machine, the spring-loadings being adjusted so that the resistances are put in circuit successively as the motor current increases.

2,577,883
TREATMENT OF METALS
Jean Charles Fourmanoit, Brussels, Belgium
No Drawing. Application January 3, 1950, Serial No. 136,641. In Belgium January 21, 1949
1 Claim. (Cl. 75—55)

In the desulfurizing and dephosphorizing of ferrous metals, the process which comprises melting down in a furnace a charge of a ferrous metal containing impurities of sulfur and phosphorus, said charge containing lumps of lime having the rock structure of the original limestone of a size ranging from about 30 to 80 mm. whose pores are thoroughly impregnated throughout their cross section with of the order of about 30 per cent by weight of caustic soda; said impregnated lime lumps having been impregnated with caustic soda by contacting them with an excess of caustic soda at a temperature of the order of 300° C. followed by draining off the excess.

2,577,884
FOLDING DOOR
Angelo T. Garubo, Newark, N. J.
Application November 23, 1948, Serial No. 61,615
6 Claims. (Cl. 160—113)

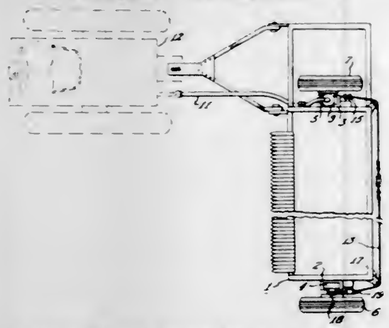
1. A folding closure portion comprising: a plurality of parallel elongated sections; pantograph means interconnecting the sections along their end-edges; a pair of parallel guideways carrying the interconnected sections slidably thereabout; said means comprising a set of links joined to the end-edges of the sections by center and end pivots in a lazy tong arrangement; one of the guideways including a support and two straps attached thereto with an edge of one in alignment with and spaced from an edge of the other; a plurality of lugs each having aligned grooves in a pair of its opposite edges and a bearing extending through its center portion between said edges; the lugs being borne in said one guideway with their grooves tightly engaging the aligned edges of said straps whereby they are only slid-

ably movable in the guideway; the center pivot in each end-edge of each section extending through and being rotatably borne in the bearing of respective one of said lugs; and a spiral spring carried on the end of each of said last mentioned



center pivots with its innermost turn fixed thereto, and its outermost turn fastened to the lug associated therewith, the springs being loaded to urge the sections along the guideways in the direction to fold the closure portion and to still be partially loaded when it is fully folded.

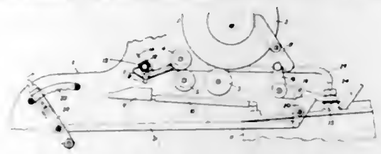
2,577,885
BODY LIFTING DEVICE
Jacob Douglas Gay, Jr., Pine Grove, Ky., assignor to Gay Bell Corporation, Paris, Ky., a corporation of Kentucky
Application October 19, 1949, Serial No. 122,263
6 Claims. (Cl. 280—44)



1. A body lifting device for a vehicle having a plurality of sustaining wheels comprising a support for each wheel vertically slidably mounted on the vehicle frame, power means adapted to force one support downwardly with reference to the frame and a cable attached to said power forced support and to another support and running over sheaves mounted on the frame so located with reference to the supports as to move all of them together and in the same direction with the movement of the power forced support.

2,577,886
MOISTENER FOR HECTOGRAPH DUPLICATORS
Hugo Gerlach and Egidio Maria Benello, London, England, assignors to Block & Anderson Limited, London, England, a corporation of Great Britain
Application September 23, 1948, Serial No. 50,684
In Great Britain September 27, 1947
2 Claims. (Cl. 91—38)

1. Moistener apparatus for hectographic duplicators comprising a rotary applicator, a capillary pad inclined downwardly away from said applicator and having an upper end portion in surface contact therewith, liquid supply means including a spray member disposed above a lower end portion of the pad and having a longitudinal series of ports to direct liquid in jets thereonto for capillary transmission to the surface of the

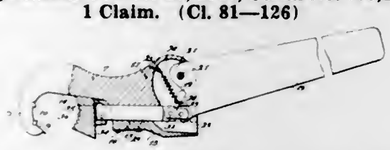


applicator, means supporting said spray member for movement relative to said pad, and means in operative connection with the spray member to move it into different positions of adjustment for selectively directing the jets of liquid onto the pad at its upper end and at different points between its ends whereby to regulate the supply of liquid to the surface of the applicator.

2,577,887
ACTIVATION OF OXALATE METAL COATING COMPOSITIONS
Robert C. Gibson, Birmingham, Mich., assignor to Parker Rust Proof Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 12, 1949, Serial No. 76,181
9 Claims. (Cl. 148—6.14)

4. In a method of subjecting a stainless steel to deformation such as by drawing and the like; the steps of subjecting, until a substantial coating forms, the surface of the stainless steel to the action of an acidic aqueous solution comprising essentially oxalic acid, the ferric ion, and at least about 2% of the chloride ion; and thereafter subjecting the stainless steel to said deformation.

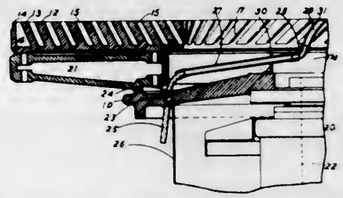
2,577,888
PIPE WRENCH HAVING SLIDING LINK AND PIVOTED JAW PIECE
Holly G. Greathouse, Dawes, W. Va.
Application October 10, 1947, Serial No. 779,105
1 Claim. (Cl. 81—126)



In a pipe tongs or wrench, an elongated head having a longitudinally extending recess adjacent to one of its ends opening outwardly of both sides and one edge of the head, said head having a hook shaped portion defining one end of said recess and forming a stationary jaw of the tool, the opposite end of said head having a recess opening outwardly thereof, said head having a longitudinal bore opening at one end into the opposite end of the first-mentioned recess and having its opposite end opening into the last mentioned recess, an elongated handle member pivotally mounted at one end thereof in said last mentioned recess and projecting therefrom, a push rod reciprocally disposed in said bore, said handle member having a portion adjacent its pivoted end pivotally connected to one end of said push rod, the opposite end of said push rod being disposed in said first mentioned recess, a movable jaw connected to

the last mentioned end of said push rod for limited pivotal movement relatively thereto and supported by the push rod for sliding movement in the first mentioned recess toward and away from said stationary jaw for cooperation with the stationary jaw for engaging a workpiece, and means whereby a portion of the push rod will move into abutting engagement with the movable jaw as the latter approaches the stationary jaw.

2,577,889
METHOD AND APPARATUS FOR GRINDING FLAT GLASS ON BOTH FACES SIMULTANEOUSLY
James Harris Griffin, Moss Bank, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a corporation of Great Britain
Application August 26, 1949, Serial No. 112,522
6 Claims. (Cl. 51—283)



1. A method of protecting horizontally disposed flat glass as it is continuously advanced between co-axial grinding tools operating on both faces of the glass simultaneously, consisting in admitting atmospheric air into the central cavity of each tool operating on the underface in the vicinity of said under face, thereby immediately relieving any vacuum produced by a depression of water level in the central cavity and eliminating a suction effect on the glass.

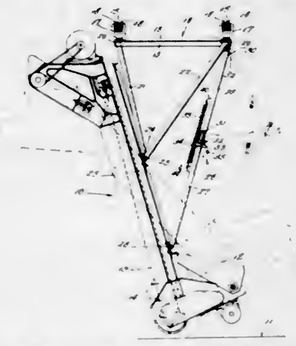
2,577,890
AUTOMOBILE TRACTION DEVICE
Peter S. Hardy, Bridgeport, Conn.
Application October 16, 1947, Serial No. 780,123
5 Claims. (Cl. 238—14)



2. An auxiliary or emergency traction device comprising a rigid substantially flat, elongate casting having a width to be engaged by one wheel only of a motor vehicle and having, throughout substantially its entire area, diamond-shaped traction-facilitating holes extending therethrough from one side to the other, said casting having deep intersecting rigid ribs, bounding each of the holes, on both its sides and having one end reduced in thickness to facilitate its insertion in the angle between the tire tread and the supporting surface engaged thereby.

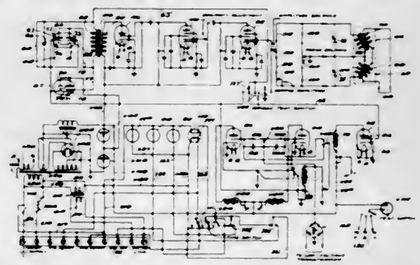
2,577,891
ELEVATING TRAVELING CONVEYER
Peter S. Hardy, Bridgeport, Conn.
Application September 14, 1948, Serial No. 49,230
12 Claims. (Cl. 198—118)

12. In an apparatus for conveying materials, an elevating conveyor extending upward from a point adjacent a floor surface; a depending conveyor-supporting structure spaced and located above said floor surface; overhead tracks; means carrying said supporting structure on the tracks for movement along the same; a pivotal connection between the supporting structure and the conveyor frame whereby the latter is carried above the floor surface and is swingable to move its lower end toward and away from said surface; a toggle joint connected between the supporting structure and the conveyor frame, con-



trolling the arcuate position of the conveyor; and releasable means comprising a latch, and comprising stops on the toggle joint, locking the latter in extended, aligned position to maintain the conveyor in operative, upward extending position with its lower end close to the floor surface, said means when released freeing the toggle joint whereby it may be broken to enable the lower end of the conveyor to be swung upward away from the floor surface, to clear objects supported on said surface during movement of said supporting structure along said tracks.

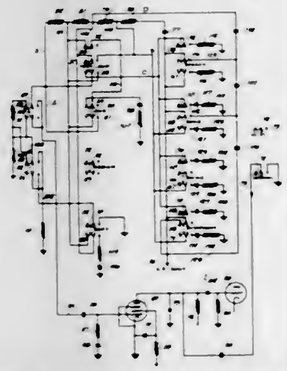
2,577,892
MAGNETIC TESTING APPARATUS
Arthur T. Hatton, West Hartford, and Enoch K. Sprague, Woodbury, Conn., assignors to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application November 29, 1945, Serial No. 631,669
13 Claims. (Cl. 175—183)



1. An inductance bridge comprising a pair of transformers having their primary windings connected in series and with a power source, the secondaries of said transformers being connected in series, said transformers forming two arms of said bridge, resistance elements forming the other two arms of said bridge, an amplitude control for adjusting said resistance elements for both resistance and capacitance and phase balancing means comprising a plurality of resistance and capacitance elements connected in

series and across said other two arms of said bridge, at least one of said last-named resistance and capacitance elements comprising a potentiometer, the variable arm of which is connected between said secondaries of said transformers, and amplifier means connected with the output of said bridge, means coupling the output of said amplifier with a rectifying circuit, and bridge balance indicating means, said indicating means comprising an electron ray tube having its grid and cathode connected directly across the output of said rectifier circuit, whereby the condition of phase balance is indicated by the degree of flutter of the ray tube shadow and the condition of amplitude balance is indicated by the average angle of the ray tube shadow.

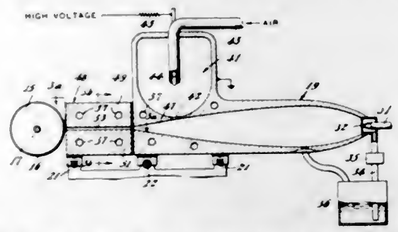
2,577,893
TONE AND VOLUME CONTROL
Paul F. G. Holst and Morton J. Nelson, Cincinnati, Ohio, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application December 22, 1949, Serial No. 134,384
23 Claims. (Cl. 178—44)



3. A volume control system comprising a plurality of push button switches of the type wherein only one button is effective at a time, a plurality of resistors connected to said switches and in series between audio input and output circuits to produce equal volume level changes when said switches are actuated in progression, said switches being arranged to shunt different resistors and to introduce different tone compensating circuits to minimize apparent tonal change when volume level is reduced, and push button controlled means connected in series with said resistors for increasing or decreasing by equal amounts the volume level as determined by the actuation of any selected switch thereby to provide intermediate levels of volume.

2,577,894
ELECTRONIC SIGNAL RECORDING SYSTEM AND APPARATUS
Carlyle W. Jacob, Rochester, N. Y.
Application January 16, 1948, Serial No. 2,624
35 Claims. (Cl. 346—75)

5. In an electric signal recorder, means for forming a suspension consisting of particles of a marking medium in a gas, means for forming said mixture of gas and particles into a stream narrow in at least one dimension, means including an electric field and electrical charges on said particles to deflect varying numbers of the said particles from unit volumes of said stream in accordance with received signals whereby the number of particles in said unit volumes of said



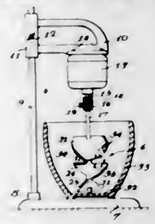
stream varies in a predetermined plan with respect to the received signals.

2,577,895
DRILLING APPARATUS AND METHOD OF CLEANING PLUGGED DRILL STEEL
Robert L. Jones and Harry O. Nylene, Leadville, Colo.
Application January 15, 1948, Serial No. 2,457
9 Claims. (Cl. 255—64)



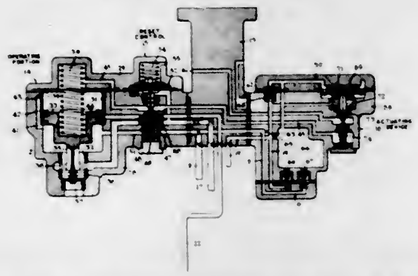
1. A device for use in removing foreign material from the fluid passage of dril steel, such drill steel normally being provided at one end with a drill bit and being adapted to receive impacts at the opposite end from an impact machine and having a passage to receive flushing fluid, said device comprising a body adapted to receive the impact end of a drill steel and having a passage for discharge of removed foreign material; and a stem extending from said body and constructed and arranged to receive impacts from such impact machine, said stem having a passage for diverting said flushing fluid.

2,577,896
STIRRER
James P. Kinton, Lansing, Mich.
Application October 6, 1950, Serial No. 188,837
2 Claims. (Cl. 259—134)



1. A stirrer for mixing liquids and semi-solids in a container, comprising a pair of rigidly connected sections disposed in end-to-end relationship relatively to one another, a rotary driven shaft, the axes of the sections being disposed in alignment, the remote end of one of said sections being rigidly secured to an end of the shaft with the axis of the stirrer in alignment with the axis of the shaft whereby the stirrer is supported on said shaft end for rotation therewith about the axis of the sections, each section including a pair of corresponding halves extending radially from the axis of the stirrer and each constituting a stirrer blade, each blade being elongated in a direction longitudinally of the stirrer and stirrer sections, the blades of each section being twisted in the same direction from end-to-end of each blade and each blade having its ends spaced circumferentially of the stirrer a distance defining an arc of approximately 90°, the blades of the different sections being twisted in opposite directions, the remote ends of the blades of the two sections constituting the leading ends thereof when the stirrer is revolved about its longitudinal axis by rotation of the shaft whereby said blades will produce currents for deflecting materials to be mixed toward the adjacent ends of the blades and so that the blades of each section will deflect material toward the blades of the other section and radially outwardly of the stirrer from the adjacent ends of said sections, the adjacent radial ends of the blades of the two sections constituting the trailing ends of said blades and being disposed relatively close to one another with respect to the longitudinal axis of the stirrer, and each of the trailing and leading ends of the blades of each section being disposed in longitudinal alignment with an intermediate portion of a blade of the other section.

2,577,897
AIR BRAKE WITH ANTISLIDE CONTROL
William F. Klein, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application April 9, 1947, Serial No. 740,503
8 Claims. (Cl. 303—21)



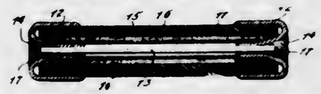
1. In an air brake, the combination of a wheel; a brake cylinder for braking the wheel; a brake controlling valve device of the pressure-maintaining type connected to control pressure in said brake cylinder; an intercepting valve controlling the connection between said valve device and said cylinder and having two alternative positions, a normal position in which it establishes the connection, and an abnormal position in which it interrupts said connection and vents the brake cylinder; yielding means biasing the intercepting valve to said normal position; an operating motor comprising a movable abutment interposed between two working spaces and arranged to shift said intercepting valve; a controlling decelerometer responsive to slipping of said wheel; an actuator activated by response of the controlling decelerometer to wheel-slipping and serving when activated to vent one of said spaces and so cause said motor to shift the intercepting valve to said abnormal position; means controlled by said brake controlling valve device and serving, when the intercepting valve is in normal position, to charge and discharge both said working spaces as air is admitted to and exhausted from the brake cylinder; a recharging valve serving when open to recharge that working space which is vented by the decelerometer, means normally maintaining said valve closed and motor means rendered active by the substantially complete dissipation of brake cylinder pressure to open said valve.

2,577,898
FABRIC COVERED BUCKLE
Stephen Lerma, Flushing, N. Y.
Application February 21, 1948, Serial No. 10,022
1 Claim. (Cl. 24—163)



In a fabric covered buckle comprising a frame body member having two apertures separated and defined by an integral cross-bar, said frame body member having flanges with arcuate ends shaped to substantially contact each other, triangular portions of inner corners defining each of said apertures being removed to cause the opposed edge portions to substantially contact each other when inturned, a centrally apertured plate having two solid rectangular portions connected by side bars and being coextensive with all the effective boundary edges of said frame body member and substantially filling the space between said inturned edges, said plate member being disposed in nested parallel relation with said frame body member and within said inturned edge portions of said frame body member, said flat plate causing the bent flanges to lie flat, a section of fabric stretched over the outer face of said buckle and having its free edge portions disposed in nested relation within said inner and outer inturned edge portions and extending between said frame body member and said plate member and fully covering all the surfaces of said body member, and a further section of fabric stretched over the outer face of said plate member and extending rearwardly of said plate member and fully covering all the surfaces of said plate member, the covering fabric on said frame body member and the covering fabric on said plate member being in contacting relation, said buckle having two layers of fabric between said frame body member and said plate member for preventing moisture from entering between said members, said double fabric layers forming a buckle solidly packed in cross-section thereby preventing the collection of water inside said buckle.

2,577,899
CURRENT LIMITING FUSE
William C. Linton, Washington, D. C.
Application October 21, 1948, Serial No. 55,771
10 Claims. (Cl. 200—120)



3. An enclosed fuse comprising a casing, a fusible element arranged within said casing, a tube surrounding said fusible element and said tube consisting of vinylidene chloride.

2,577,900

PROCESS FOR PRODUCING ANILS

George F. Lisk, Buffalo, and Gardner W. Stacy, New York, N. Y., assignors to the United States of America as represented by the Secretary of War

No Drawing. Application June 20, 1947, Serial No. 756,086
2 Claims. (Cl. 260—471)

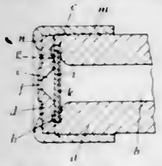
1. A process for producing anils, which comprises forming a reaction mixture consisting in molal proportions of 0.33 mol of m-chloraniline in a diphenyl ether solvent, 0.38 mol of 20° Bé. hydrochloric acid and 0.33 mol of sodium oxalacetic diethyl ester, heating the resulting mixture to a reaction temperature of 60° C., maintaining the mixture at the reaction temperature until the reaction is substantially complete, and dehydrating the reaction mixture as the reaction proceeds by passing a stream of carbon dioxide gas through the said system.

2,577,901

DELIVERY NOZZLE FOR LIQUID FUELS OR OTHER LIQUIDS

Frederick John Marlow, Sutton Coldfield, England, assignor to Joseph Lucas Limited, Birmingham, England

Application December 6, 1948, Serial No. 63,828
In Great Britain December 9, 1947
1 Claim. (Cl. 299—120)



A liquid delivery nozzle comprising in combination a cylindrical body part having formed therein at least one longitudinally arranged liquid supply passage, and having at one end a shallow annular chamber open to said supply passage, a member secured to said end of said body part and formed with a centrally arranged swirl cavity having a discharge orifice leading therefrom, the side of said member adjacent to said body part being formed with an annular groove open to said chamber, and with at least one tangential groove connecting said swirl chamber to said annular groove, and a disc loosely mounted in and capable of axial movement relatively to said chamber so that said disc can be pressed by liquid pressure into close contact with the adjacent surface of said member, said disc being formed with peripheral projections which serve to centralise it in said chamber, and being slightly less in thickness than the depth of said chamber to provide a narrow clearance between said disc and the supply passage end of said chamber when said disc is in contact with the adjacent surface of said member.

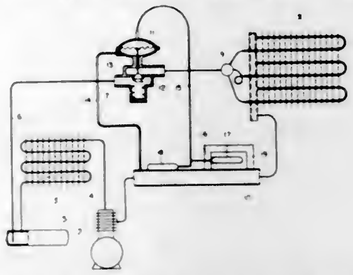
2,577,902

CONTROL BULB FOR THERMAL EXPANSION VALVES

William L. McGrath, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application February 24, 1947, Serial No. 730,605
14 Claims. (Cl. 62—8)

1. In a refrigeration system of the compressor-condenser-expander type, the combination of an expansion valve for regulating passage of refrigerant to the evaporator, a heat conductive member placed in contact with the suction line of the system and having an opening therein to receive a thermal responsive element, a thermal responsive element responsive mainly to temperature of refrigerant in the suction line of the system placed in the opening in said member, a line connecting the element with the expansion valve, said line and element being gas charged and containing a minor quantity of volatile liquid, a portion of the line being disposed in contact with the suction line and being responsive mainly to temperature of refrigerant in the suction line, liquid in said element and said line collecting at the coldest portion thereof, said element responding less promptly to changes in temperature than the portion of said line in contact with the suction line whereby upon a decrease in temperature below a normal operating point pressure imposed upon the valve will be that corresponding to the temperature existing in the portion of said line contacting the suction line permitting prompt response of said valve to the change in temperature while upon an increase in superheat above a normal operating point liquid collected in such portion will evaporate and condense in said element thereby retarding response of said valve to an increase in superheat.

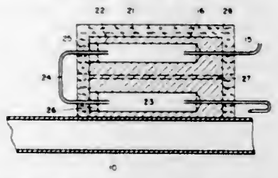


2,577,903

CONTROL BULB FOR THERMAL EXPANSION VALVES

William L. McGrath, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application August 20, 1947, Serial No. 769,750
1 Claim. (Cl. 62—3)



A regulating member for a thermal expansion valve which comprises a thermal responsive element responsive to the temperature of refrigerant in the suction line of a refrigeration system, said element having an opening therein at a predetermined distance from the suction line, said element having a second opening therein at a greater distance from the suction line, said openings being connected and being charged with a fill comprising saturated gas at a temperature representing the normal upper limit of suction line temperature whereby during operation at normal temperature ranges a minor quantity of liquid is present at the coldest point of the openings, said element having a plurality of minor openings formed in said element between the first opening and the second opening to retard response of the fill in the second opening to a change in temperature in the suction line, the first and second openings being so disposed with respect to each other that, upon a decrease in temperature in the suction line during operation of the refrigeration system, the liquid is present in the first opening so that the valve responds promptly to such decrease while, upon an increase in temperature in the suction line during operation of the refrigeration system, the liquid in the first opening evaporates and condenses in the second opening thereby retarding action of the valve by condensation of fill at the coldest point of the opening to obviate "hunting" when the valve is in use.

2,577,904

METHOD FOR HOT DIP COATING OF METAL STRIP

Carlos McNabb, Paul J. Whitley, and Forrest M. Morrow, Middletown, Ohio, assignors to Armco Steel Corporation, a corporation of Ohio

Application February 3, 1948, Serial No. 5,958
6 Claims. (Cl. 117—64)



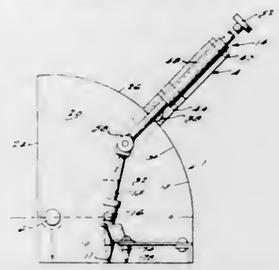
2. The method of hot dip coating of metal strip which includes the steps of running said strip through a bath of coating metal and through peripherally grooved exit rolls, said rolls being characterized by a progressive decrease in cross sectional groove area per unit of roll length in both directions from the roll centers, at a speed above the critical speed, so that a substantially uniform weight of coating is produced on said strip transversely thereof.

2,577,905

ELLIPSE COMPASS

Edward William Mennie, Windsor, Ontario, Canada, assignor to Howard H. Crawford, Detroit, Mich.

Application April 8, 1946, Serial No. 660,489
9 Claims. (Cl. 33—30)



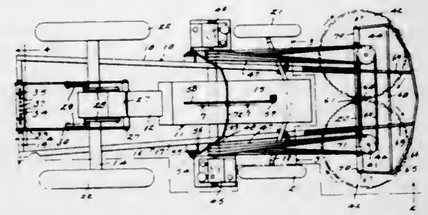
3. An ellipsograph comprising a support, linkage carried by said support and having a portion movable substantially parallel to but spaced from the surface upon which said support may be positioned, marking means carried by said portion and adapted to scribe a line on the surface, rotatable and reciprocable means carried by said support, a connecting member carried by said last-named means and rotatable therewith, and means connecting said connecting member to said portion whereby said portion constrains the point of connection of said connecting member with said portion for movement in said parallel plane whereby rotation and reciprocation of said rotatable means will cause said marking means to scribe an ellipse on the surface.

2,577,906

TRACTOR MOUNTED BRUSH SAW

Bert Miller and Herbert H. Miller, Brunswick, Ga.

Application October 10, 1949, Serial No. 120,506
5 Claims. (Cl. 143—43)



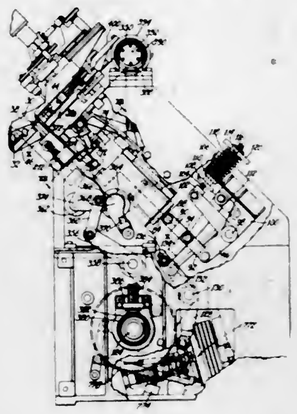
1. A portable sawing device for use with a tractor having a rearwardly extended lift means mechanism comprising a frame adapted for pivotal suspension under the tractor at a point spaced from the front end of said frame with its rear end connected to the tractor lift, a plurality of circular saws carried by the frame for horizontal rotation, individual power means carried by the frame and drivingly engaged with each respective saw for rotation thereof.

2,577,907

UPPER SHAPING MACHINE

Lloyd G. Miller, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application November 10, 1949, Serial No. 126,586
52 Claims. (Cl. 12—97)



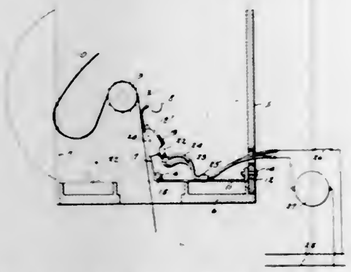
1. In a machine for shaping shoe uppers, a shoe form, a member on which said form is mounted, means mounting said member for angular movement on an axis extending heightwise of a supported upper and coinciding with the toe extremity of the upper, wiping means, a retarder constructed and arranged to cooperate with said wiping means, and means mounting said retarder for angular movement on an axis common to the axis above described.

2,577,908
FLEXIBLE BELLOWS
Theodore H. Nakken, New York, N. Y.
Application April 1, 1948, Serial No. 18,453
4 Claims. (Cl. 137—156.5)



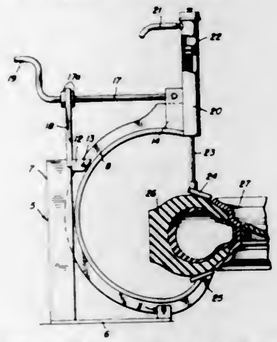
1. In a flexible bellows, a plurality of metallic diaphragms having their outer and their inner edges terminating the arcuate portions in excess of 180°, said diaphragms being in two series, one series in which the diameter of its arcuate portion of its inner edge is larger in diameter than the arcuate portion of its outer edge, and another series in which the arcuate portion of its outer edge is larger in diameter than the arcuate portion of its inner edge, said diaphragms being alternated in an array with said larger arcuate portions embracing the smaller arcuate portions, and flexible sealing means between the embrasures.

2,577,909
AUTOMATIC STOP DEVICE FOR MOTION-PICTURE PROJECTORS
Peter S. Nielsen, Bismarck, N. Dak.
Application May 25, 1949, Serial No. 95,251
1 Claim. (Cl. 200—52)



In an automatic stop device for motion picture projectors, a supporting bracket of one-piece construction formed from a length of wide flat material, one end of said bracket being adapted for fixed connection to a motion picture projector with the remaining portion of the bracket extending laterally and horizontally interiorly of the projector and in the plane of film running through the projector, the other end of said bracket being integrally formed with a horizontally disposed hinge portion; a swinging arm integrally formed from a single piece of flat material of the approximate width of and in the plane of the film and of said supporting bracket, said arm being integrally formed at one end with a hinge portion cooperating with the hinge portion of the supporting bracket and hingedly connected to the first-named hinge portion for vertical swinging of said swinging arm, said swinging arm being formed at its other end with a curved film-contacting portion for supporting of the swinging arm in a substantially upright position when film is running through the projector, said film normally maintaining said swinging arm against gravitational downward swinging, the swinging arm being formed between said film-contacting and hinge portions with an intermediate clamp portion, said clamp portion including a pair of spring wings extending longitudinally of said swinging arm and in a direction away from said film, said clamp portion including a tongue disposed between said spring wings, the spring wings and tongue being integrally formed out of the material of the swinging arm, the spring wings having edge portions extended inwardly toward each other, said tongue being pressed outwardly out of the plane of the swinging arm proper, the tongue being connected to the swinging arm at one end only of of the tongue and being bendable to selected positions of angularity relative to the arm; and a mercury switch clamped between said edge portions of the spring wings and held by said edge portions in longitudinal contact with said tongue, whereby to assume the same position of angularity to the arm as is assumed by the tongue, the edge portions being proportioned to extend outwardly from the arm a substantial distance beyond the tongue to overhang and be spaced above the side edges of the tongue in each selected position of bendable adjustment of the tongue, said spring wings constituting side walls located at opposite sides of the switch when the switch is clamped between the tongue and edge portions, to retain the switch against lateral shifting off the adjustably positioned tongue.

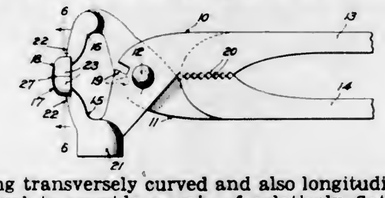
2,577,910
PIVOTALLY MOUNTED TIRE BEAD COMPRESSING CLAMP
Ervin W. Oliva, Alton, Kans.
Application August 26, 1948, Serial No. 46,318
1 Claim. (Cl. 157—1.28)



A tire changer comprising a C-clamp having a fixed clamping plate at one end, a fluid pressure operated clamping plate at the other end of the clamp, a stand supporting the clamp in an upstanding position and including a pin at the lower portion of the stand adjustably received in a slot in the clamp, a pivot pin carried by the stand and supporting the upper portion of the clamp for rocking movement in a vertical plane, and manually operated rocking means for the clamp.

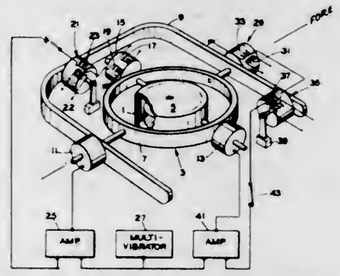
2,577,911
STAPLE PULLER AND INSULATOR REMOVER
Richard A. E. Palmer, Alburg, Vt.
Application April 14, 1949, Serial No. 87,465
3 Claims. (Cl. 254—22)

1. A tool for removing from fence posts wire-fastening staples and nail-fastened insulators, comprising a pair of crossed levers pivotally connected adjacent their outer ends by a pivot, their inner ends forming handles, the outer ends of said levers being U-shaped and arranged in opposed relation with their outer arms extending toward each other, and a pair of combined claw and fulcrum members fixed between their ends to said outer arms and extending crosswise thereof and in the direction of the longitudinal axis of said pivot, said members being relatively flat and narrow in width and of elongated form to extend on both sides of the longitudinal axis of the tool, the projecting end portions of said members on one side of said axis being of less length than the projecting end portions on the other side, the outer surfaces of said members



being transversely curved and also longitudinally curved to provide a pair of relatively flat and narrow post-engaging fulcrums movable toward and from each other as said levers swing on their pivot, the opposed contacting faces of said members being flat and formed with opposed, deep, concave recesses which extend substantially from end-to-end of said members and form longitudinally extending V-shaped claw edges along the outer contacting portions of the members.

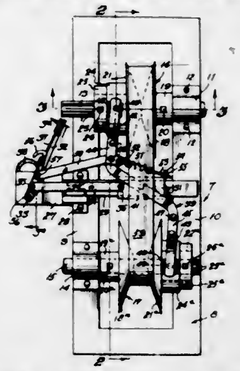
2,577,912
GYROSCOPE SYSTEM
Corles M. Perkins, Rutherford, and Alan M. MacCallum, Maywood, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 1, 1949, Serial No. 102,671
10 Claims. (Cl. 74—5.47)



1. In a gyroscope system for use on a moving craft, a gyroscope, a support mounting said gyroscope for rotation about an axis perpendicular to its spin axis, a device for producing a signal in response to movement of the support about said axis relative to the craft, pendulous means for producing a signal in response to movement of the craft about said axis relative to the dynamic vertical, means for producing a pulsing voltage of a magnitude to nullify said signals, an amplifier for receiving said signals and said voltage, and a motor for precessing the gyroscope support about said axis and responsive to the output of said amplifier.

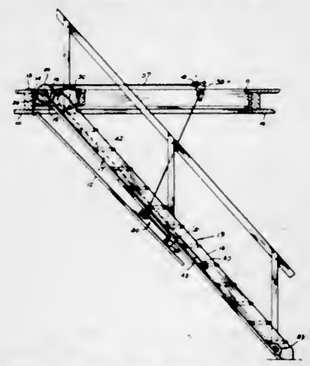
2,577,913
VARIABLE-SPEED DRIVE AND CLUTCH
Alf A. Peterson, Hallock, Minn.
Application May 13, 1949, Serial No. 92,970
2 Claims. (Cl. 74—230.17)

1. A variable speed drive comprising a frame, parallel shafts journaled on the frame including a drive shaft and a driven shaft, a belt pulley connected to each shaft for rotation therewith, each belt pulley including a fixedly mounted cone-shaped disk forming one pulley section and a movable cone-shaped disk section slidably splined to the shaft, a support mounted on said frame extending substantially parallel to the shafts, a slide reciprocably mounted on said support, a belt pulley actuating lever pivotally connected intermediate of its ends to said slide and pivotally and rotatably connected at its ends to the slidably mounted belt pulley sections, a first manually actuated link and lever means connected to the slide for moving the slide and



the intermediate lever portion relatively to the frame in opposite directions parallel to the shafts for displacing one slidable belt pulley section away from its stationary belt pulley section and for simultaneously moving the other slidable belt pulley section toward the other stationary belt pulley section for varying the effective diameters of said belt pulleys, and spring means adjustably anchored to the slide and connected to the belt pulley actuating lever at a point spaced from its intermediate pivotally mounted portion for rocking said lever on the slide in a direction for urging both slidable belt pulley sections toward the stationary belt pulley sections.

2,577,914
DISAPPEARING STAIRWAY
Wilbert C. Pfahl, Silver Lake, Ohio
Application June 1, 1946, Serial No. 673,795
2 Claims. (Cl. 228—50)



1. A disappearing stairway for an opening in an overhead floor structure, comprising a closure

panel hinged at one end of said opening, guide means adjacent the other end of said opening of the floor structure at opposite sides thereof, a stair structure, stair-mounting means for mounting said stair structure to be extensible and retractable on the upper side of said panel, said stair structure being substantially narrower than said opening to provide spaces at opposite sides thereof, separate drum-mounting units including brackets removably secured independently of said stair-mounting means to said floor structure at opposite sides of said opening adjacent the hinged end of said panel and thereby being adapted to be installed or removed without disturbing the use of said stair structure as such, opposite pairs of fixed stems on each of said separate brackets, said stems extending from the said brackets freely into said spaces at opposite sides of the stair structure, opposite pairs of spring-wound panel and stair structure counter-balancing drums rotatably received on said stems of the brackets, releasable means for retaining said drums on said stems, flexible elements connected between said opposite panel drums and said panel and guided by said guide means for counter-balancing said panel, and flexible elements connected between said opposite stair structure drums and the stair structure for counter-balancing the same, said drum-mounting units and the respective flexible elements of the drums thereof including attaching means for affixing the flexible elements relatively of the unit and thereby to limit spring-winding of the drums when the flexible elements are released from the respective structures operated thereby.

2,577,915

METHOD FOR PRODUCING ARTIFICIAL FIBERS FROM HIGH MOLECULAR LINEAR POLYMERS OR POLYCONDENSATES RESPECTIVELY

Bohumil Piller, Varnsdorf, Josef Zmatlik, Brunn, Jan Pinkava, Prague, and Miroslav Starý, Zilina, Czechoslovakia, assignors to Zavody pre Chemicku Vyrobu, narodny podnik, Bratislava, and Elite, sdruzene tovarny puncoch, narodni podnik, Varnsdorf, Czechoslovakia

Application September 21, 1949, Serial No. 116,992
In Czechoslovakia September 21, 1948
6 Claims. (Cl. 18—54)



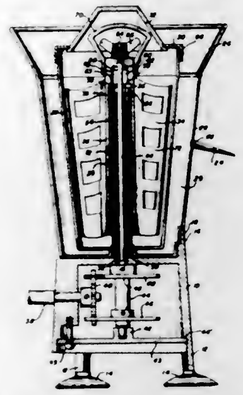
1. A method for producing artificial filaments from molten high molecular fiber-forming materials which are capable of being oriented by cold drawing, comprising the steps of spinning said material; cooling the thus spun material by bringing a liquid into contact therewith; drying the thus cooled material; and cold drawing the thus dried material.

2,577,916

ICE-CREAM FREEZER

Michael A. Rollman, Landisville, Pa.

Application October 11, 1947, Serial No. 779,294
11 Claims. (Cl. 62—114)



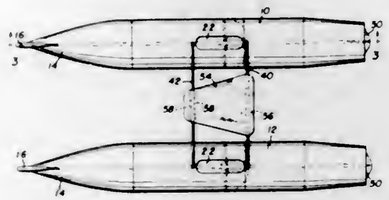
1. An ice cream freezer comprising in combination, an ice receptacle, a can mounted for rotation within said receptacle about a normally vertical axis, an agitator mounted for movement within said can, a closure supported solely by said can, interengageable means on said closure and can operable detachably to connect them together, and operating means disposed below said receptacle and connectible with said can and operatable agitator to rotate the same independently of each other.

2,577,917

AQUATIC DEVICE

Homer L. Root, Transfer, Pa.

Application August 13, 1948, Serial No. 44,082
2 Claims. (Cl. 9—21)



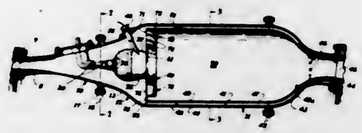
1. In an apparatus for moving on water, a pair of elongated floats, each of said floats having a forward and a rear vertical socket, a pair of spaced parallel U-shaped vertical frames connecting and spacing said floats, the ends of one of said frames being positioned in the forward sockets and the ends of said other frame being positioned in the rear sockets, a seat swingably mounted on one frame and supported on the other frame, and apertured plates at the rear end of said floats, said apertured plates cooperating with the rear sockets in holding the ends of the frames when the frames are disposed longitudinally of the floats in their used position.

2,577,918

AIR JACKETED COMBUSTION CHAMBER FLAME TUBE

Harold E. Rowe, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application May 8, 1946, Serial No. 668,181
13 Claims. (Cl. 60—39.65)



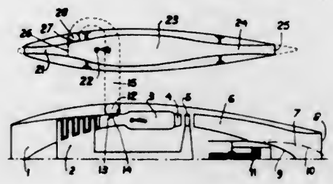
3. In a combustion unit, the combination comprising a tubular body having a wall at one end and open at its other end and defining a combustion chamber, said wall having a pair of spaced openings therein, means for projecting a pair of parallel streams of burning fuel-air mixture rich in fuel component through said openings into said combustion chamber and lengthwise thereof, and means for admitting combustion air into said combustion chamber through said end wall and deflecting it vortically into two streams rotating in opposite directions around said burning streams respectively to form in said chamber flame propagating mixtures.

2,577,919

ASSOCIATION ON FLYING MACHINE OF COMPRESSOR-JET UNITS WITH RAM-JET UNITS

Maurice Roy, Paris, France, assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France, a company of France

Application July 7, 1948, Serial No. 37,328
In France July 22, 1947
2 Claims. (Cl. 60—35.6)



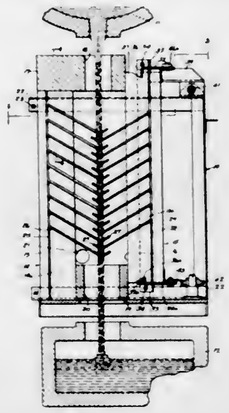
1. In an aircraft a propelling plant comprising in combination: a ram-jet unit adapted for producing by itself a propelling thrust at high speed of flight and having a stationary fore-aft duct which includes an air inlet front section opening into the atmosphere, a rear discharge jet section and a combustion chamber between said sections, a compressor-jet unit for producing a propelling thrust at least for the taking-off of the aircraft and having an air compressor, power means for driving the same and a rear discharge nozzle, piping means connecting the delivering side of said compressor to a point in said duct located between said inlet front section and said combustion chamber, valve means for controlling the output of air under pressure delivered by said compressor into said piping means, valve means associated with said inlet front section forwardly of said point for opening or closing said inlet front section, and other valve means arranged at said point for closing and opening said piping means at their junction with said duct.

2,577,920

APPARATUS FOR MIXING VISCOUS LIQUIDS

Robert G. Russell and Ronald B. Wiley, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware

Application December 6, 1944, Serial No. 566,892
3 Claims. (Cl. 259—19)



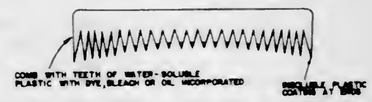
1. Apparatus for mixing molten glass comprising means for flowing molten glass in a downward direction in the form of a stream, supporting elements respectively positioned at opposite sides of the stream and extending in the general direction of flow of the stream, a group of members extending inwardly from one of the supporting elements with adjacent members spaced vertically from one another and having the inner ends thereof projecting crosswise of the glass stream, a second group of members extending inwardly from the other supporting element and having the inner ends respectively projecting across the glass stream between adjacent members in the first group, and means for imparting a reciprocal movement to one of the supporting elements to move the members thereon in opposite directions crosswise of the glass stream.

2,577,921

MEANS FOR DYEING, BLEACHING, AND TREATING LIVING HAIR

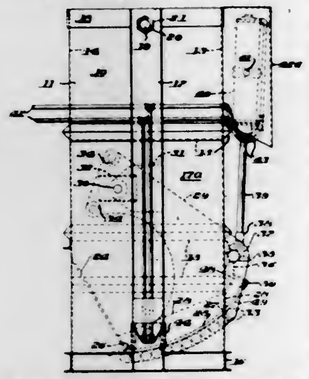
Ruth Samel and Minna Wotzilka, London, England, assignors to Ernest Norland, London, England

Application March 31, 1949, Serial No. 84,764
In Great Britain October 18, 1947
7 Claims. (Cl. 132—11)



1. A device for treating living hair which comprises methyl cellulose in the form of a plurality of elongated elements free at one of their ends and mounted in a base at their other ends in generally aligned relationship and a compatible hair treating agent incorporated in the methyl cellulose, said methyl cellulose being soluble and capable of gelatinizing in water, whereby, when said elements are passed through hair, the hair is treated.

2,577,922
BUCKET FOR TRANSPORTING CONCRETE OR THE LIKE
Louis J. Sarosdy, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 9, 1948, Serial No. 48,524
4 Claims. (Cl. 294—69)

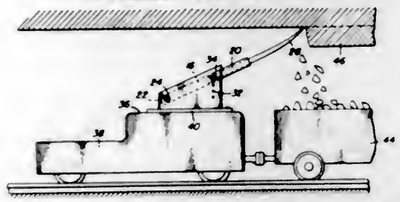


1. A bucket for transporting concrete or the like, comprising, substantially vertical planar side members and substantially vertical planar front and back members, said members being substantially vertically joined to form a body for said bucket generally rectangular in horizontal cross section, said body being open at the top and at the bottom respectively for charging and discharging, said front member having a straight horizontal bottom edge, said bucket further having a straight horizontal bottom back edge, said side members having parallel bottom edges extending downwardly and rearwardly from said first-mentioned bottom edge and substantially defining the discharge opening at the bottom of said body, said parallel bottom edges further being arcuate in a vertical plane about a hinge axis normal to and rearwardly of the vertical center line of said side members, a shear-type gate closure for said discharge opening pivoted about said hinge axis and extending around the exterior of said side members and said front member, and a fluid-actuated cylinder pivotally mounted on the exterior of the front of said body above said first-mentioned bottom edge for opening and closing said gate closure, said cylinder being connected to said gate closure.

2,577,923
METHOD OF PRODUCING PARTS
Walter J. Scott, Hinsdale, and Charles C. Veale, West Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Continuation of application Serial No. 585,568, March 29, 1945. This application December 28, 1950, Serial No. 203,212
9 Claims. (Cl. 25—156)

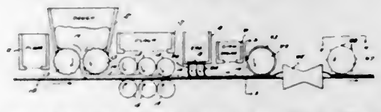
1. A method of manufacturing ceramic parts consisting in mixing ceramic materials, some of which have a relatively low specific gravity, with an organic temporary binding agent, molding the mixture under pressure into compact dense slugs, crushing the slugs, selecting certain sizes of the crushed material for molding, dry molding the selected material under pressure to the desired form, and heat treating the molded mass to remove the binding agent and harden the remaining ceramic material.

2,577,924
MINE ROOF SCALER
Anthony Shacikoski, Avonmore, Pa.
Application May 2, 1949, Serial No. 90,884
2 Claims. (Cl. 262—1)



2. In a vehicle for mines including first and second cars coupled together; the improvement of which comprises a base mounted on the second car and including a pair of spaced walls, a tubular holder pivoted at one end between said walls, a blade carried by said holder and disposed over the first car for scaling a mine roof and permitting the scaled material to fall into the first car as the cars are moved with the first car leading the second car, and means for retaining the holder in a selected pivoted position.

2,577,925
DOUGH SHAPING, TREATING, AND FILLING DEVICE
Victor E. Sternbach, Bronx, N. Y.
Application March 22, 1946, Serial No. 656,440
2 Claims. (Cl. 107—1)

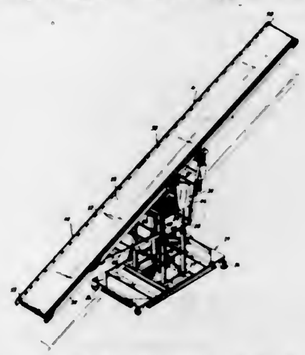


1. In a device of the class described, the combination with a horizontal conveyor belt arranged to carry a compacted dough sheet forwardly, means for cutting the dough sheet comprising a transverse cutting cylinder positioned above the conveyor belt with its surface engaging the dough sheet, said cutting cylinder having axially spaced circumferential cutting ribs projecting therefrom to sever the dough sheet into at least four laterally adjacent strips, and means for elevating the outer strips and overturning them in laterally inward directions onto the adjacent inner strips to form double strips.

2,577,926
ADJUSTABLE CONVEYER DEVICE
John W. Stiles, New York, N. Y.
Application July 6, 1949, Serial No. 103,234
16 Claims. (Cl. 198—109)

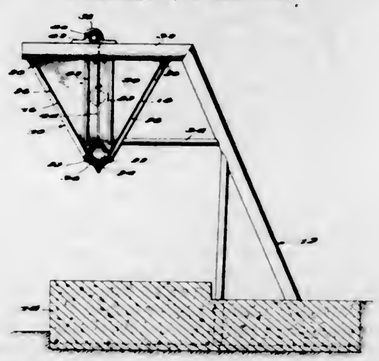
13. In an adjustable conveyor unit, a split belt bed comprising two adjacent pivotally mounted sections, an endless conveyor belt movably mounted on said bed, a drive roller below the bed, the bed sections being split in the region above said drive roller, idler rollers in fixed position above said drive roller, the belt extending longitudinally over both of said sections and in underlying supporting engagement with said drive roller, the portion of the belt above the said bed being the carrying portion and the portion below the bed being the return portion, the said idler rollers and drive roller being in engagement with the said return portion of the belt, the carrying portion of the belt extending uninterruptedly over both sections, and means

to move said bed sections to different relative angular positions, whereby the level of the portion of the belt underlying the roller will be correspondingly varied, the belt being maintained in tension by the gravitational action of the roller upon the underlying portion of the belt, said means comprising a central support for the belt



bed, oppositely disposed booms with their lower portions pivotally mounted on said support and their upper portions in supporting engagement with said bed sections, said booms being movable to different angular positions, whereby the said two belt bed sections will be correspondingly moved to different operative positions.

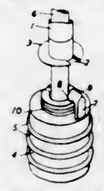
2,577,927
ARCUATE-EDGED DISCHARGE OPENING FOR HOPPER, AND AN ARCUATE CLOSURE FOR SAID OPENING
Albert H. Stockmar, Villa Rica, Ga.
Application November 6, 1946, Serial No. 708,108
3 Claims. (Cl. 222—509)



1. Concrete pouring apparatus comprising a trough-shaped hopper having a rectangular slot extending lengthwise of the bottom with a pair of parallel cylindrical members defining the sides of the slot, a cylindrical valve closure member of greater diameter than said parallel members constructed and arranged to seat on said parallel members and close said slot, a multiple windlass secured to the valve closure member at spaced points throughout its length and operable to control movement of the closure member to and from its slot closing position, and a vertical pair of parallel guides secured inside each end of the hopper and arranged to receive the corresponding end of the closure member.

3. Concrete pouring apparatus comprising a hopper having converging side portions defining an elongated discharge slot; a parallel pair of elongated members extending along the respective edges of said slot as continuations of the corresponding inner surfaces of the side portions; and an elongated internal valve closure member having a cylindrical portion adapted to seat on said elongated members to close said discharge slot, said elongated members each being of convex and arcuate shape in the portion engaged by said valve closure member and having said shape continuing outwardly beyond said hopper to form a rounded lip orifice portion.

2,577,928
YARN-CARRYING DEVICE
Matthew Michael Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application August 19, 1947, Serial No. 769,400
In Great Britain August 30, 1946
2 Claims. (Cl. 139—207)



1. A detachable butt for a flanged pirn tube, to adapt such tube for use in an automatic loom, said butt comprising a body of generally cylindrical shape, a spindle projecting from the end face of said body and adapted to fit the interior of the pirn tube and a rigid hook rigidly secured to said body, said hook extending beyond said end face and inwards towards said spindle and being wedge-shaped so as to present at the acute angle of the wedge a radially extending edge adapted to engage and enter a notch in the flange of a pirn tube fitted over said spindle, said hook being adapted on subsequent turning of said pirn tube to secure said pirn tube to said body.

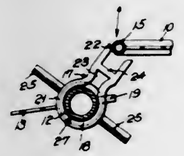
2,577,929
SHUTTLE
Matthew Michael Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Original application August 19, 1947, Serial No. 769,400. Divided and this application January 13, 1949, Serial No. 70,753. In Great Britain August 30, 1946
3 Claims. (Cl. 139—207)



1. A shuttle for use in an automatic loom of the cop-changing type and adapted to carry weft

yarn wound on a flanged pirn tube provided with a detachable butt, said shuttle comprising gripping means for receiving and gripping a detachable butt carrying a flanged pirn tube when said butt is forced with said pirn tube into the shuttle, guide means presenting sloping surfaces adapted to engage the flange of said pirn tube as it is entering the shuttle and to urge said flange into engagement with a face of said butt, and holding means adapted to engage said flange in the shuttle and to hold it firmly in engagement with said face when said butt is gripped by said gripping means.

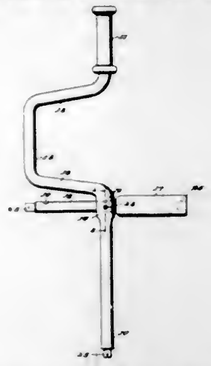
2,577,930
GATE LATCH
Samuel Edgar Thomas, Enid, Okla.
Application June 17, 1949, Serial No. 99,703
4 Claims. (Cl. 292—68)



2. A gate latch for mounting on a post having a cylindrical portion, said latch comprising a stationary latch member adapted to be fixed to said post, said member including a cylindrical sleeve having a flat top and a locking arm projecting upwardly from the top of said sleeve and disposed close to and parallel with the cylindrical portion of said post, a coacting movable latch member adapted to surround the cylindrical portion of said post and to be slidably and rotatably mounted thereon, said movable member having at one end a forked portion to receive the end bar of a gate and at its other end a substantially cylindrical hub portion to surround the post and normally rest on the flat top of said sleeve, said movable member having in its intermediate portion a vertical slot to receive said locking arm to prevent rotary movement of said movable member when its hub rests on said sleeve, said movable member being vertically slidable to clear the top of said arm and permit rotary movement of the movable member when the latter is supported on the top of said arm and means to limit the extent of the rotary movement of said movable member when it is supported on said arm.

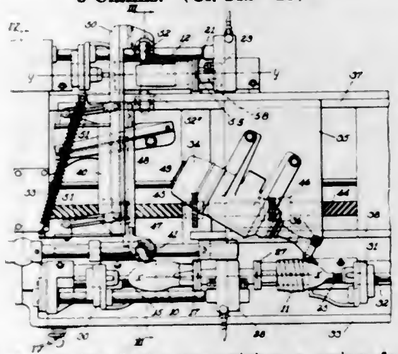
2,577,931
CRANK HANDLE WITH COUNTER-BALANCING MEANS
Paul C. Tillman, San Diego, Calif.
Application July 18, 1950, Serial No. 174,538
1 Claim. (Cl. 81—73)

In a crank handle of the character described, a shank, a handle for rotating the shank offset parallel therefrom, a holding handle alined with said shank, a bar carried by the shank and having a counterbalancing head extending from the shank in a direction opposite the offset of the shank rotating handle, said bar having a reduced end slidably extending through said shank, said reduced end having a longitudinal keyway slot, and a spring pressed key carried by said shank and adapted to engage in said slot, said reduced end having a transverse slot at each end



of the longitudinal slot, said transverse slots being deeper than the longitudinal slot.

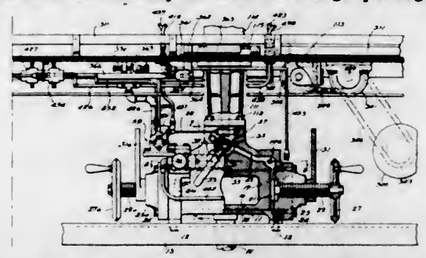
2,577,932
COPYING LATHE
Laurence E. Topham, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 1, 1947, Serial No. 765,575
5 Claims. (Cl. 142—15)



1. A copying lathe comprising a swing-frame including rotatable means for carrying a work-block and a model, means for driving said carrying means, a model-wheel for cooperating with the model in the swing-frame, a cutter for operating on the work-block in the swing-frame, a partially cylindrical cam movable by said driving means in phase with revolutionary cycles of said carrying means but out of phase with oscillations of the swing-frame, and mechanism for shifting said model-wheel back and forth to modify the motions imparted to the swing frame by the rotating model, said mechanism including a member cooperatively related to the periphery of said cam and directly connected to the model wheel.

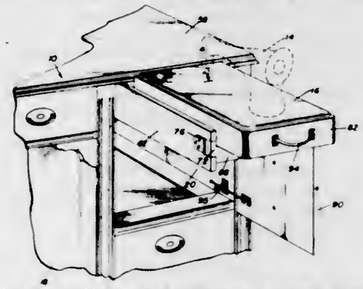
2,577,933
MEASURING AND FILLING MACHINE
Ronald George Triggs, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1948, Serial No. 47,073
15 Claims. (Cl. 226—107)

1. A measuring and filling machine comprising a measuring chamber, a conduit for supplying flowable material under pressure to said measuring chamber, a pair of discharge passages each having a discharge outlet, supports for containers positioned to receive material from said outlets, means for forcing predetermined charges of material from said chamber, a valve operable to direct charges from said chamber alternately to said discharge passages,



means adjacent said discharge outlets for preventing dripping of the material from an outlet after delivery of a charge, means adjacent said outlets for maintaining portions of the container separated for receiving a charge, said means and said valve being actuated by air under pressure, and an air supply system having control elements for effecting operation of said means in synchronization with said valve.

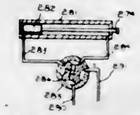
2,577,934
COMBINATION DESK
Anthony F. Tubacki, Detroit, Mich.
Application August 4, 1950, Serial No. 177,575
8 Claims. (Cl. 312—29)



1. As an article of furniture, a desk having a top, a first side and a second side, means for supporting an implement in a horizontal position, said means comprising a first guideway in said first side and a second guideway in said second side, a first guide located in said first guideway, a second guide located in said second guideway, a support panel for said implement, means pivotally connecting the inner end of said support panel to said guides for swinging movement from a substantially vertical to a substantially horizontal position, and a support member hinged to said first guide to hold said support panel in the substantially horizontal position.

2,577,935
TUNNEL KILN
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 2, 1948, Serial No. 57,999
7 Claims. (Cl. 25—142)

1. A tunnel kiln for the vitrification of grinding wheels and like ware comprising a refractory structure forming a long tunnel said tunnel being divided into a preheating zone a heating zone and an annealing zone, a plurality of flat rectangular refractory ceramic batts in said tunnel in contiguous relation to each other from end to end of the tunnel said batts having upper surfaces which together extend in a plane through the tunnel, a pair of refractory supports for the batts one on each side of the tunnel and each extending entirely through the heating zone and into part of the preheating zone and into part of the annealing zone, said refractory supports having straight line grooves in their upper surfaces which grooves extend entirely through the heating zone the line of the grooves in the



support on one side being parallel to the line of the grooves in the support on the other side, a plurality of refractory rods in and extending the length of each of said grooves in end to end relation forming a pair of continuous rod supports for the batts in the heating zone of the tunnel, a pair of lines of aligned rollers on parallel axes perpendicular to the length of the tunnel in part of the preheating zone, and a pair of lines of aligned rollers on parallel axes perpendicular to the length of the tunnel in part of the annealing zone, all of said rollers supporting batts with their upper surfaces in the aforesaid plane, the batts being supported everywhere in the tunnel either by the rods or by the rollers.

2,577,936
COLORED GLASS FIBER PRODUCT AND METHOD FOR MAKING SAME
Jack H. Waggoner, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application May 7, 1949, Serial No. 92,009
9 Claims. (Cl. 117—54)



1. The method of coloring glass fibers which consists in contacting the glass fiber surfaces with the vapors of a decomposable salt of a polyvalent metal, the oxides of which are colored, while heating the glass fibers under normal atmospheric conditions to a temperature of at least 600° F. but below the fusion temperature of the glass composition of which the fibers are formed for 3–5 minutes at the lower temperature to no more than a few seconds at the higher temperature.

2,577,937
METHOD OF AND APPARATUS FOR GRINDING FLAT GLASS ON BOTH FACES SIMULTANEOUSLY
Frederic Barnes Waldron, Eccleston Park, Prescot, and James Harris Griffin, St. Helens, England, assignors to Pilkington Brothers Limited, Liverpool, England, a corporation of Great Britain
Application August 26, 1949, Serial No. 112,472
9 Claims. (Cl. 51—112)

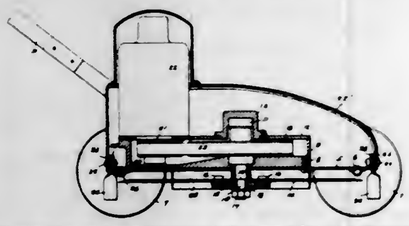
1. A bottom grinding disc for use in grinding the underface of horizontally disposed flat glass

in ribbon form simultaneously with the grinding of the upper face as the glass is advanced across the grinding surface of the grinding disc in parallelism therewith comprising a grinding surface of which the effective peripheral radius is such as to overlap at least one edge of the glass, said grinding surface surrounding a central aperture in the disc through which abrasive fluid is supplied to the grinding surface, characterised in that the said grinding surface comprises the upper surfaces of a series of continuous bars spaced apart on the disc and disposed thereon in an annular form concentric with the central aperture and forming between them distributing channels for abrasive fluid leading from the central aperture, means being provided to regulate the outflow from said distributing channels, each



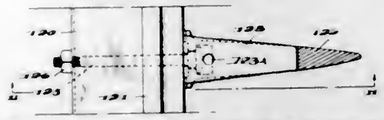
bar being continuously curved in the intended direction of rotation of the disc, and increasing in circumferential width from its inner end outwardly the acute angle which the leading edge of each curved bar makes with the radius at any point increasing continuously from the inner to the outer end of the bar, and each bar having its leading face inclined to its upper surface at an obtuse angle which diminishes continuously from the inner to the outer end of the bar, the variation of this inclination being so related to the variation of the acute angle between the leading edge and the radius that a due proportion of the abrasive is lifted from the distributing channels at every point along each bar and is engaged by the operative surface of the bar, while the remainder is driven along the channel.

2,577,938
ROTARY BLADE POWER LAWN MOWER
Charles Walte, Sr., Louisville, Ky.
Application April 28, 1947, Serial No. 744,437
1 Claim. (Cl. 56—25.4)



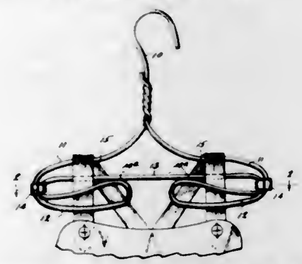
A motor mower comprising a wheel-supported platform, a vertical blade shaft mounted on the platform, one end of said shaft extending below the bottom of the platform, semi-circular curved guard plates extending downwardly from the sides of the platform with their front and rear ends spaced substantial distances from the front and rear ends of said platform, rows of front and rear spaced wide teeth depending from the front and rear edges of said platform, and a disc-like cutting blade secured on the lower end of the blade shaft operating under the platform above the lower edges of the semi-circular curved guard blade, and teeth in close proximity to the rows of teeth, cutting material elevated by said teeth.

2,577,939
MOUNTING FOR GUARD FINGER WITH LEDGER PLATES
Otto Wannebo, Pine River, Minn.
Application November 3, 1948, Serial No. 58,045
9 Claims. (Cl. 56—309)



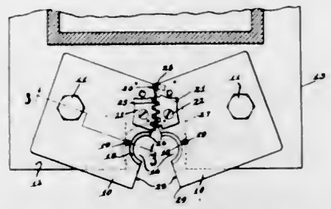
1. In a mower, reaper or the like of the reciprocating cutter means type, the combination of a cutter bar, at least one forwardly projecting guard finger adapted for mounting on the front of said bar, a ledger plate detachably mounted on said finger, said finger having a rear surface positioned adjacent the front of said cutter bar when in assembled position, said surface having a depression therein which is enlarged at its lower portion, said ledger plate having a depending rear portion approximately matching said depression in configuration, and attaching means for said finger adapted to pass from front to rear through said cutter bar to hold said rear surface of the finger and said ledger plate rear portion tightly against the front of said cutter bar, whereby relative disengaging movement between said ledger plate and said finger is prevented.

2,577,940
GARMENT HANGER
Stanley Freeman Webster, Nashville, Tenn.
Application May 21, 1948, Serial No. 28,343
1 Claim. (Cl. 223—88)



A garment hanger comprising a supporting hook, a pair of suspension arms extending downwardly and outwardly from said hook, an inwardly and upwardly directed lower arm integrally formed with each of the suspension arms, a horizontal cross piece having each of its ends formed integrally with one of said lower arms, all of said elements being formed of a single piece of resilient wire, said lower arms each contacting the underside of said cross piece adjacent their free ends, and a clamp interconnecting the junction areas between the suspension arms and the lower arms and the lower arms and the cross piece.

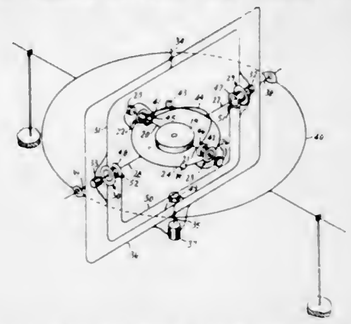
2,577,941
CHUCK
Donald W. Windus, Streator, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 19, 1946, Serial No. 642,244
7 Claims. (Cl. 279—32)



3. A chuck comprising a pair of jaws in the form of flat plates, a base having a flat surface on which the plates are supported for swinging movement to and from a closed position, pivots connecting the plates to said base, said plates having adjacent end surfaces including semi-circumferential recessed sections intermediate the front and rear ends of said end surfaces, said recessed sections forming a circular opening for receiving a workpiece, said end faces comprising arc-shaped portions commencing at and extending rearwardly from said recessed sections concentrically with the pivots, the arc-shaped portions of the said end surfaces being in rolling contact, arc-shaped gear segments mounted on said plates concentrically with said pivots and having intermeshing gear teeth, said gear segments extending along said arc-shaped portions of the plates, said end faces comprising substantially straight portions extending forwardly from the said recessed sections to the forward edges of the plates, said forwardly extending portions, when the jaws are open, being spaced apart where they join said recessed sections, a distance at least equal to the diameter of said circular opening, the said end faces of the plates being spaced at the rear ends of the said arc-shaped openings a distance substantially less than the diameter of said circular opening while the jaws are at open position, and a stop positioned to limit the opening movement of the jaws and determine said open position thereof, the said pivots being spaced apart a substantially greater distance than the front edges of said end faces of the plates when the jaws are fully open.

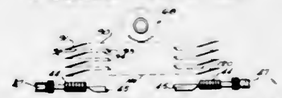
2,577,942
ANTIFRICTION SUPPORT FOR GYROSCOPES AND THE LIKE
George Agins, Brooklyn, N. Y., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York
Application October 16, 1948, Serial No. 54,974
5 Claims. (Cl. 74—5)

1. In combination with a gyroscope and a gimbal ring therefor respectively supported for rotation about coordinate axes, each said axis being afforded by a pair of aligned shafts and corresponding bearings carried by corresponding supporting elements therefor, antifriction means interposed between each shaft and its corresponding bearing supporting element, a ring interposed between each shaft and corresponding bearing supporting element and rotatably engaging said means, motive means, operative connections between said motive means and each ring for rotating the latter, and means for simul-



taneously rotating said gyroscope and gimbal ring bodily about a vertical axis.

2,577,943
MACHINE TOOL ORGANIZATION AND CONTROL MECHANISM
William K. Andrew, Wauwatosa, Richard H. Ford, Waukesha, and Edmund W. Just, West Allis, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application January 10, 1945, Serial No. 572,162
9 Claims. (Cl. 90—21)

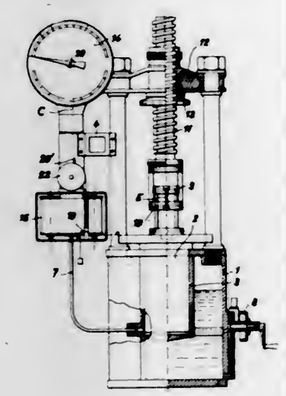


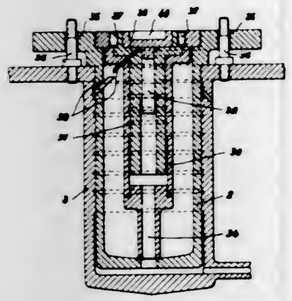
8. In a milling machine, a frame, a cutter rotatably supported by said frame, a work supporting table slidably mounted on said frame in cooperating relationship with said cutter, power operated means arranged to effect reciprocating movement of said table, trip mechanism operative to control movement of said table, a pair of reversing trip dogs mounted in spaced relationship upon said table and operative upon said trip mechanism in manner to effect reversal of movement of said table at predetermined terminal positions, another reversing trip dog movably mounted on said table between said first-mentioned trip dogs and arranged to cooperate therewith for effecting reversal of movement of said table to provide for reciprocation thereof in either of two cycles of movement, and means to move said intermediate trip dog out of cooperating relationship with said trip mechanism to permit movement of said table from the one to the other terminal position, whereby it may be caused to operate in either of said two cycles of movement selectively

2,577,944
MACHINE FOR TESTING TENSILE, COMPRESSIVE, BENDING, SHEARING, ETC., STRENGTH OF METALS OR OTHER MATERIALS
Albert René Arthuis, Paris, France
Application September 13, 1946, Serial No. 696,676
In France June 26, 1946
1 Claim. (Cl. 73—93)

A machine for testing the strength and distortion of test samples of metals and other materials, having a hydraulic main press having a cylinder, and a stress-exerting piston of variable active

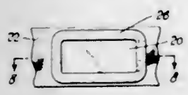
cross-section, said machine comprising, in combination, a dynamometric apparatus constituting an hydraulic press and having a cylinder and a piston, means connecting the last-mentioned cylinder to the cylinder of the main press, adjustable springs, means connected with said





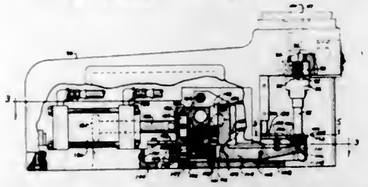
springs for balancing the common pressure upon the piston of said dynamometric apparatus and the piston of the main press, a dial and a needle cooperating therewith for showing the stresses of the test samples, and a recording apparatus for recording the same in response to the motion of either piston.

2,577,945
PLASTER OR BANDAGE FOR SKIN APPLICATION
Harold Starr Atherton, Detroit, Mich.
Application December 6, 1947, Serial No. 790,159
5 Claims. (Cl. 128—156)



1. A therapeutic device of the class described, comprising a film of heat-reflective material adapted to be positioned over the body surface of a person, and a raised wall structure about the margins of said material to space said material from said body surface.

2,577,946
INJECTOR MECHANISM
Roy W. Bailey and John Thomas Faull, Detroit, Mich., assignors to Detroit Power Screwdriver Company, Detroit, Mich., a corporation of Michigan
Application September 7, 1950, Serial No. 183,638
10 Claims. (Cl. 10—162)



1. An injector mechanism comprising a housing, a slide therein, a pair of spaced jaws carried by said slide for receiving a work piece, a rocker arm pivotally mounted on said slide and having its forward end disposed in line with the space between said jaws, means on said end adapted to eject a piece from said jaws, a block slidably mounted in said housing at said slide, means for oscillating said block, drive means carried by said block for engaging said slide in both directions of travel, limiting means for the movement of said slide in both directions, said drive means being yieldable in the forward movement of said block whereby to permit some additional forward movement of the block after the forward motion of said slide has been stopped by said limiting means, and a cam carried by said block and adapted to exert pressure on the remaining end of said rocker arm on forward movement of said block.

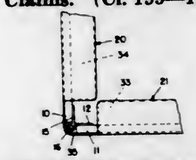
2,577,947
MANUFACTURE OF DIHYDROCODEINONE
Manuel M. Baizer, Flushing, N. Y., and Richard P. Williams, Englewood, N. J., assignors to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y., a corporation of New York
No Drawing. Application October 5, 1950, Serial No. 188,646
4 Claims. (Cl. 260—285)

1. In an improved method for the manufacture of codeine-free dihydrocodeinone from codeine which comprises heating the crude base in dilute acid solution in the presence of supported palladium catalyst, cooling the filtered reaction mixture, making it alkaline and extracting the crude dihydrocodeinone from it with an organic solvent the steps which comprise stirring the organic solvent solution with a saturated aqueous solution of sodiumbisulfite, separating the resulting precipitate of dihydrocodeinone-Na bisulfite and Na-bisulfite, recrystallizing it from water in the presence of decolorizing carbon, decomposing it with aqueous alkali, separating the resulting free dihydrocodeinone, washing and drying it.

2,577,948
MANUFACTURE OF DIHYDROISOCODEINE
Manuel M. Baizer, Flushing, N. Y., assignor to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y., a corporation of New York
No Drawing. Application October 28, 1950, Serial No. 192,813
3 Claims. (Cl. 260—285)

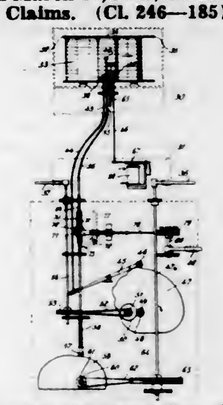
1. The process of making dihydroisocodeine which comprises heating a mixture of 5.00 g. dihydrocodeinone, 7.50 g. aluminum isopropoxide, 150 cc. dry toluene under reflux with exclusion of moisture, extracting the cooled reaction mixture with 10% hydrochloric acid, adding sodium hydroxide to the extract to make it strongly alkaline, extracting it with chloroform evaporating the chloroform extract, chromatographing the residue dissolved in ethylene dichloride on activated alumina, washing the alumina with dilute sulfuric acid to remove the dihydroisocodeine therefrom, making the acid solution strongly alkaline, extracting it with chloroform and evaporating the chloroform solution to obtain the crude dihydroisocodeine.

2,577,949
BODY SUPPORTING SEAT
Joseph C. Barrett, Philadelphia, Pa.
Application January 9, 1951, Serial No. 205,176
6 Claims. (Cl. 155—182)



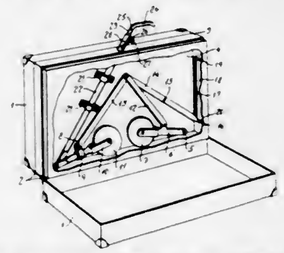
1. A body supporting seat adapted to be positioned on an upholstered automobile seat and the like comprising two opposed pocket portions, said pocket portions being flexibly hinged, each of said pocket portions retaining therein a rigid supporting panel and a resilient cushion, one of said pocket portions being adapted to provide a rigid seat portion for a seated person and the other pocket portion being adapted to provide a rigid support for the back of the seated person.

2,577,950
APPARATUS FOR INDICATING AND RECORDING THE PERFORMANCE OF ELECTRICALLY DRIVEN LOCOMOTIVES
Robert S. Clark, Albany, N. Y., assignor, by mesne assignments, to F. N. Bard, Chicago, Ill.
Application March 17, 1948, Serial No. 15,404
6 Claims. (Cl. 246—185)



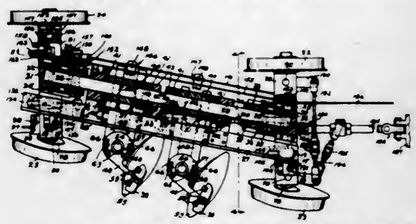
1. In apparatus for recording the details of operation of an electrically driven locomotive having a plurality of traction motors connectable in various circuits to be employed through different speed ranges, means for effecting the motor circuit transitions, and means operable stepwise to control the supply of current to the motors, the combination of means for supporting and advancing a tape lengthwise and proportionately to the travel of the locomotive, a plurality of means for inscribing records on the tape, means responsive to the speed of the locomotive for moving one inscribing means across the tape as the locomotive speed varies, increments of transverse movement of said inscribing means representing increments of speed, and means actuated by the transition means for causing a stepwise movement of a second inscribing means across the tape, the movement of the second inscribing means being in the same units as the movement of the speed record inscribing means and the second inscribing means recording at the end of each step the top speed at which the corresponding motor circuit should be used.

2,577,951
RETRACTABLE WHEEL ARRANGEMENT FOR BAGGAGE
Eiler Johan Cortsen, Copenhagen, Denmark
Application April 10, 1950, Serial No. 154,929
In Denmark April 13, 1949
3 Claims. (Cl. 280—37)



1. In a baggage with one or several baggage compartments, the arrangement of an extra compartment separated from the baggage compartments, a lever mechanism arranged within the extra compartment, two relatively interspaced transport wheels attached to the said lever mechanism for vertical displacement in and out of an aperture in the base of the extra compartment, supporting means for connecting the one transport wheel horizontally rotatable to the lever mechanism, an elongated steering member connected by its one end to the said horizontally rotatable transport wheel, its other end extending outside the upper end of the baggage, and a hand-actuated operating member extending with its one end outside the one end wall of the extra compartment, its other end being connected to the said lever mechanism for simultaneously displacing vertically the two transport wheels.

2,577,952
DISK PLOW
Enoch A. Davis, Seattle, Wash.
Application July 2, 1945, Serial No. 602,747
10 Claims. (Cl. 97—53)



1. In an agricultural machine, two substantially parallel transversely offset bolsters; two

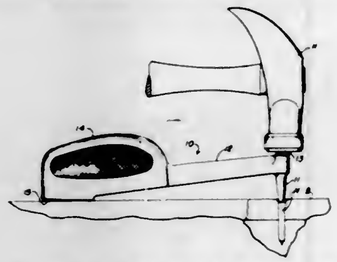
axially aligned bearing members secured to the respective bolsters diagonally thereof; a rigid coupling member extending diagonally between said two bolsters and having its two end portions rotatively supported in said axially aligned bearings; an implement carrying frame pivotally supported on said coupling member and extending sidewise therefrom; disc plows carried by said implement carrying means and aligned with said coupling member; and wheels carried by said bolsters and angularly directed toward a furrow being plowed by said disc plows.

2,577,953
SASH BALANCING MECHANISM
Abraham de Vries and Louis de Vries, Amsterdam, Netherlands
Application November 29, 1946, Serial No. 713,028
8 Claims. (Cl. 16—197)



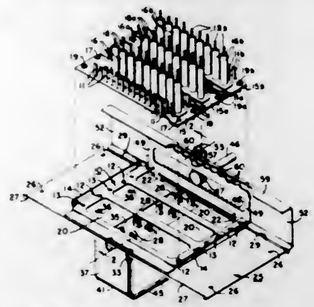
1. An extensible spring balance comprising a spiral member, a slotted member in engagement with said spiral member for rotation and longitudinal movement relative to said spiral member, and an extensible coil spring surrounding said spiral member, said spiral member and said coil spring being secured at one end against rotation and longitudinal movement relative to one another at said end and said coil spring being secured at a point remote from said secured end to said slotted member to exert simultaneously an axial force and a rotative force thereon.

2,577,954
NAIL SET
Louis J. Di Pietro, Waterbury, Conn.
Application May 6, 1948, Serial No. 25,393
3 Claims. (Cl. 145—46)



1. In a tool, an elongated shank having an integral vertical bit portion, said shank being inclined at an acute angle away from said bit, an elongated, relatively wide, heavy, flat-surfaced bottom base on said shank at the other end thereof, said bit portion having a lower extremity disposed in the plane of said base surface, whereby said tool will be stable upon a flat supporting surface and said shank will be raised from said base bottom to said bit portion.

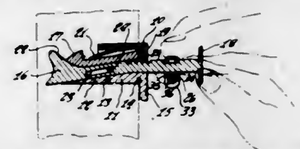
2,577,955
TUNING CONTROL MECHANISM
Leslie G. Dixon, Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application April 2, 1949, Serial No. 85,175
4 Claims. (Cl. 200—17)



1. A mechanism adapted to provide step-by-step control of the tuning of a radio apparatus to individual ones of a plurality of preselected frequencies comprising: a planar frame member, having at least one elongated aperture, adapted to support thereon in spaced linear relation a plurality of electrical contacts arranged to extend through said aperture and to be coupled to individual ones of a plurality of tuning means preadjustable to individual ones of said frequencies; a substantially L-shaped planar member of sheet material adapted to support at least one electrical contact and providing support for said first-mentioned member, said L-shaped member having an aperture for said one electrical contact to extend therethrough and including at least one guide element for permitting linear relative movement between said members to effect engagement between said one electrical contact and individual ones of said first-mentioned contacts selectively to include individual ones of said plurality of tuning means in an electrical circuit; and means including resilient stop means for maintaining said first-mentioned member in operative engagement with said guide element and for arresting said relative movement at any selected one of a plurality of relative positions of said members to effect selective engagement between said one electrical contact and an individual one of said first-mentioned contacts, thereby to provide step-by-step control of the tuning of said apparatus.

2,577,956
KEYHOLE LOCK
John Elsberg, New York, N. Y.
Application March 6, 1950, Serial No. 147,940
2 Claims. (Cl. 70—424)

2. A key hole lock comprising an elongated body member having an opening extending longitudinally therethrough, a slide member extending adjustably through the opening in the body member and having a concave cam surface along a portion of the upper edge thereof, an elongated hook latch pivoted at one end in the body member and extending with its other end out through said opening thereof above the cam surface of the slide member, a spring in said body member biasing said hook latch down toward said cam surface on said slide member, the latter having a series of teeth along another portion of the upper edge thereof, a slide lock device movably straddling said slide member and having two downwardly extending edge portions spaced apart and adapted to seat in and engage with the teeth upon said slide member in order to prevent longitudinal displacement of the latter with respect to said body member, a latch hinged to said slide lock device in a position to swing into and from a latching position about a substantially horizontal pivot axis parallel to the longitudinal dimension of said slide member, said slide lock device having a side aperture below the level of the lower edge of the slide member, and a locking projection on said latch in effective position to enter said side aperture in latching position of said latch and extend beneath said lower edge of said slide member and prevent raising thereof and disengagement of the downwardly extending edge portions on said slide lock device from the teeth on said slide member.

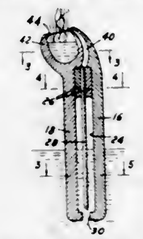


2,577,957
PROCESS OF CALENDER FINISHING NYLON FABRIC
Edwin Farnworth and George H. Wood, Jr., Warwick, East Greenwich, R. I., assignors, by mesne assignments, to The Aspinook Corporation, Jewett City, Conn., a corporation of Delaware
No Drawing. Application June 4, 1949, Serial No. 97,300
3 Claims. (Cl. 117—65)

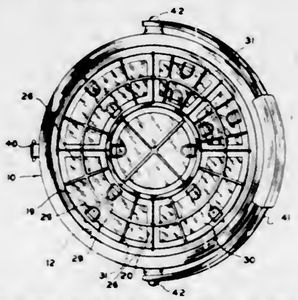
1. The process of producing calender finishes on woven nylon textile fabrics comprising applying to the fabric an aqueous precondensate of a resin selected from a group consisting of melamine formaldehyde and urea formaldehyde, in an amount capable of ultimately depositing from 1 to 10% of a solid resin with reference to the weight of the fabric, drying the fabric slightly and while moist passing through an embossing calender at a temperature of 350° to 400° F. and a calender pressure of from 4 to 6 tons and at a speed to cause contact of the fabric with the calender for substantially ½ second to soften the outer surface portion of the fabric being treated and cause combining of the resin therewith, and then curing the resin by heating for a period of time sufficient to harden the same to a final state without deterioration of the fabric whereby the embossed calender finish becomes permanently fast to washing.

2,577,958
VERTICAL VAPORIZER
Roy R. Fisher, Paris, Ky.
Application June 17, 1949, Serial No. 99,789
4 Claims. (Cl. 219—40)

1. A vertical vaporizer unit comprising two elongate shells of dielectric material having complemental surfaces to join together to form a central passage and tubular member, a cup-like recess formed at the top end of one shell directly adjacent the top of the central passage, said central passage being curved at the top to direct emitting vapor over the top of said recess, supporting means extending radially from points spaced just below said recess, electrodes located in said central recess substantially at the location of said supporting means, and a wick of insulating material interposed between said electrodes to separate the same, and extending downward to the bottom of said passage a substantial distance below said electrodes.



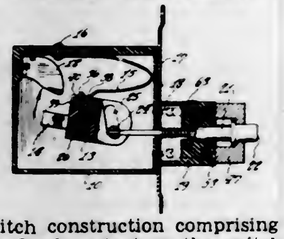
2,577,959
FOOD STORAGE DEVICE
Salvatore Gattuso, Ozone Park, N. Y.
Application August 11, 1949, Serial No. 109,644
6 Claims. (Cl. 220—15)



5. In a food storage device, the combination of a container having a heat insulated cylindrical side wall and a heat insulated bottom wall and having an interior cylindrical wall concentric with said side wall to provide a central cylindrical space and an annular space surrounding said central space, said side and interior walls having upright radially aligned slots at opposite surfaces thereof, a plurality of upright radial partitions having their ends removably positioned in said slots in said side and interior walls to subdivide said annular space into a plurality of spaces, a cylindrical receptacle in said central space, a receptacle in each of said spaces of said annular space conforming to the shape of said spaces, a heat insulated cover for said container having sealing means on the underside thereof for engaging the upper edges of said partitions and the upper edge of said interior wall, said receptacles having side and bottom walls and each having a removable cover member providing a top wall, said cylindrical receptacle having outwardly projecting radial fins on said top and bottom walls engaged by said sealing means on the container cover and engaging said container bottom wall, respectively, and having outwardly projecting upright fins on said side wall engaging said interior container wall, said receptacles in said annular spaces hav-

ing outwardly projecting circumferential and radial fins on said top and bottom walls engaged by said sealing means on the container cover and engaging said container bottom wall, respectively, and having outwardly projecting fins on their side walls engaging said interior container wall and said container side wall, a carrying handle for said container, and means for securing said container cover to said container in sealed relation thereto.

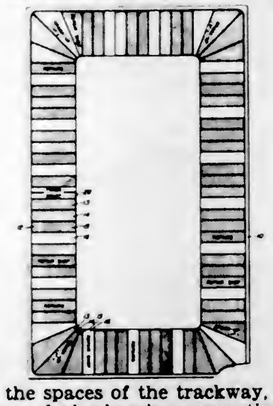
2,577,960
PUSH-BUTTON BITURN SINGLE-POLE SWITCH
John A. Ginard, New York, N. Y.
Application August 5, 1950, Serial No. 177,893
4 Claims. (Cl. 200—159)



4. A switch construction comprising a switch housing, a fixed contact on the switch housing, movable contact means comprising a supporting block and a contact engageable with the fixed contact, means for pivotally connecting said supporting block to the housing, said supporting block having a corner edge, spring means operable over the corner edge of the block to hold the same in either the open position of the movable switch contact or in the closed position of the movable switch contact, said supporting block having an elongated slot, a bar operable in said slot, a plunger supporting body connected to the switch housing, a push button plunger operable through the plunger supporting body, said plunger having an extension rigidly connected to said transverse bar in the slot of the movable contact supporting block, a spring acting upon the plunger to urge the push button plunger outwardly from the switch housing, said push button plunger having an arm projection on the side thereof, a turn knob surrounding the push button and having an internal slot for receiving the arm projection of the push button plunger, means for connecting the turn knob to the plunger supporting member for rotation relative thereto, said turn knob being actionable upon the push button plunger to rotate its extension and the transverse bar within the slot of the movable contact supporting block whereby to urge the corner edge of the block over the spring means to move the movable switch contact to an open position, and said push button plunger having a longitudinal groove, a spring detent pin operable in said plunger supporting member and entering said groove to prevent the rotation of the plunger when the same is withdrawn and adapted to ride out of the groove when the plunger is depressed to release the plunger for rotation by said turn knob.

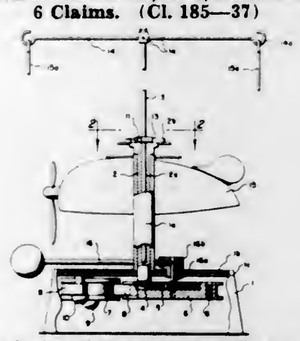
2,577,961
GAME BOARD AND CHANCE MEANS FOR SIMULATED RACING
Frank R. Graves, Rochester, N. Y.
Application July 31, 1948, Serial No. 41,759
9 Claims. (Cl. 273—134)

5. In a game, the combination with a game board having a trackway thereon comprising a plurality of spaces that have successively different indicia and forming a course of travel for a plurality of different playing pieces, the different indicia being repeated a plurality of times on the spaces around the trackway, of a chance device for controlling the movement of the pieces, said chance device comprising a plurality of parts, each of said parts having a plurality of spaces equal in number to the number of the different indicia em-



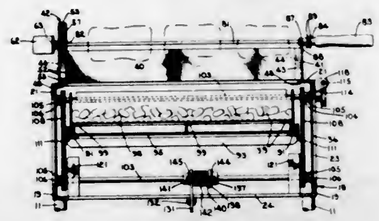
ployed on the spaces of the trackway, the spaces of the chance device bearing, respectively, indicia corresponding to the indicia of the spaces of the trackway, like spaces of different parts of the chance device having, respectively, also different indicia designating the different playing pieces, and each part of the chance device bearing on the total of its spaces all of the indicia designating the different playing pieces.

2,577,962
SPRING MOTOR
Arvin A. Gussa, San Diego, Calif.
Application November 12, 1946, Serial No. 709,367
6 Claims. (Cl. 185—37)



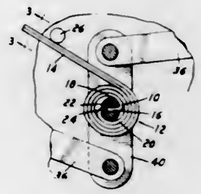
1. In a device of the class described the combination of a frame, a resilient band stationarily secured at its one end to said frame, a roller revolubly mounted on said frame and having a peripheral surface and connected with the opposite end of said resilient band adapted to wind the same on said peripheral surface, thereon, an axle for said roller, an arm fixed on said axle, a gear in concentric connection with said roller, a pinion meshing with said gear, a shaft in connection with said pinion, a second shaft revolubly mounted concentrically with said first mentioned shaft and ratchet and pawl means in connection with said first and second mentioned shafts for imparting rotation to said second mentioned shaft when said first mentioned shaft rotates.

2,577,963
BARBECUE GRILL
Haig A. Hagopian, Fresno, Calif.
Application October 12, 1948, Serial No. 54,111
2 Claims. (Cl. 126—25)



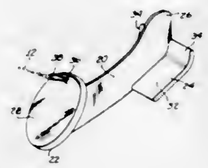
1. The combination of a firebox housing having a door opening in an end thereof, a vertically moveable firebox within the housing, means for moving the firebox vertically including a rotatable shaft, a door pivotally mounted in the housing adapted to close the door opening in one of its positions, a lever pivotally connected to the door and rotatably supported on the shaft, a helical torsion spring located around the shaft under initial tension having one end anchored to the shaft and the other end of which is connected to the lever, the spring being adapted to receive increased tension as the firebox is raised moving the door to closed position in the door opening and adapted to receive decreased tension as the firebox is lowered moving the door to open position.

2,577,964
TORSION BRAKE RELEASE SPRING
Lawrence H. Heuer, Detroit, Mich., assignor to Automotive Spring Company, Detroit, Mich., a corporation of Michigan
Application June 21, 1949, Serial No. 100,415
5 Claims. (Cl. 188—78)



5. In a brake construction of the drum and shoe type, a brake drum housing, expanding shoes mounted therein for movement to an operating and inactive position, a means to return the shoes to inactive position comprising a torsion bar centrally pivoted on said housing and linked at opposite ends to the brake shoes, a torsion spring comprising a double length of spring material fashioned into a flat coil with a portion extending diametrically of an opening centrally of the coil and a portion at the other end extending tangentially of the coil, means on the torsion bar for engaging said diametrical portion and means on said housing for engaging the other end of said coil whereby the torsion bar is resiliently biased to a position holding said brake shoes in inactive position.

2,577,965
TROLLING SINKER
Clair L. Hinkson, Seattle, Wash., assignor to Hinkson Mfg. Co., Seattle, Wash., a partnership
Application June 26, 1948, Serial No. 35,479
4 Claims. (Cl. 43—43.11)



1. A ballast line trolling sinker comprising an elongated, thin and deep plate-like body, an enlarged disk-like head set transversely on the forward end of said body at a forward and downward incline relative to the general longitudinal axis of the body, a stabilizing tail having forwardly and downwardly inclined, similar stabilizing plates projecting laterally from opposite sides of the rear end of said body, and line connecting means on said sinker near the upper edge of the disk-like head, the stabilizing plates being joined to the rear end of the plate-like body at the latter's lower edge, said stabilizing plates having portions which are generally parallel to the disk-like head, and the stabilizing tail having an upward continuation of the plate-like body which extends between and above the stabilizing plates and constitutes a stabilizing fin, the laterally projecting stabilizing plates cooperating with said stabilizing fin to depress and stabilize the tail of the sinker during trolling.

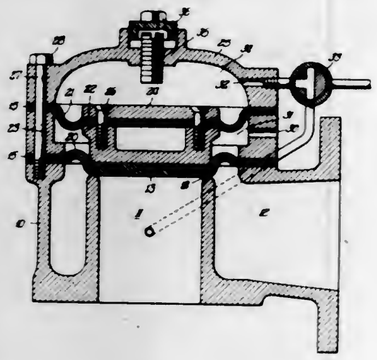
2,577,966
DIALKYLDITHIOPHOSPHORIC ACID FORMALDEHYDE CONDENSATION PRODUCTS
Edwin O. Hook, Old Greenwich, Conn., and Philip H. Moss, Seldovia, Territory of Alaska, assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application March 26, 1948, Serial No. 17,394. Divided and this application August 18, 1949, Serial No. 111,082
2 Claims. (Cl. 260—461)

1. The condensation product of one mol of formaldehyde with from one to two mols of an O,O-dialkyldithiophosphoric acid adiester.

2,577,967
DIAPHRAGM VALVE
Walter J. Hughes, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application July 30, 1947, Serial No. 764,765
5 Claims. (Cl. 137—139)

5. In a differential diaphragm valve, a valve diaphragm molded in the shape corresponding to its extreme valve open position, an operating diaphragm of larger effective area than, and in spaced relationship to, and cooperating with, said valve diaphragm, said operating diaphragm being molded in the shape corresponding to its valve closed position, said diaphragms being fastened

together in opposed relationship with respect to their molded shapes and being sufficiently stiff



that each diaphragm opposes movement of the other to its molded shape.

2,577,968
YARN CARRIER
Edward Jentsch, Clifton, N. J.
Application November 4, 1948, Serial No. 58,265
3 Claims. (Cl. 66—126)



1. A yarn carrier of the type wherein a pair of spring jaws located at the delivery end of the carrier engage with and hold a thread-guide tube in a slotted opening between said jaws with the top end of said tube communicating with an enlarged opening in the carrier above the tube gripping portions of said jaws which is characterized by said jaws having recesses in the outer faces thereof, said recesses being located at the top of the slotted opening between the jaws and exposing the front and top end of the thread-guide tube.

2,577,969
COMPOSITIONS FOR KILLING WEEDS
Franklin D. Jones, Llanerch, Upper Darby, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application August 13, 1945, Serial No. 610,683
4 Claims. (Cl. 71—2.6)

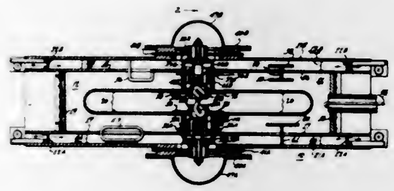
1. A composition for killing weeds comprising petroleum oil-soluble sulfonates in admixture with a compound selected from the group consisting of 2,4-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid, their amides, thioamides, esters and salts, said petroleum oil-soluble sulfonates being present in an amount sufficient to dissolve said chlorinated phenoxyacetic acid compound.

2,577,970
COLLAPSIBLE BOAT
Frans Torild Larsson and Frans Axel Larsson, Saltsjobaden, and Georges Eric von Dardel and Bo Göran Nettelbladt, Stockholm, Sweden
Application September 20, 1945, Serial No. 617,462
In Sweden January 20, 1944
1 Claim. (Cl. 9—2)



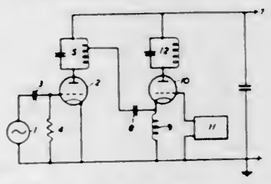
A collapsible boat, pontoon or other floating construction comprising a bottom member and at least two wall members for opposite sides of the bottom member, the members being formed of substantially rigid material with sufficient flexibility to permit being bent and flattened repeatedly, the bottom member and each wall member being divided into at least two transversely severed segments in a plane perpendicular to the longitudinal center line of the bottom member, links for collapsibly securing the transversely severed segments of the bottom member and the wall members and of the wall members and the bottom member along corresponding edges, the bottom surface of one bottom segment being collapsible over the bottom surface of the other bottom segment when the wall segments are collapsed on the top surfaces of the corresponding bottom segments and means for waterproofing the boat at least along the lines of jointure of the segments when the segments are in the uncollapsed position.

2,577,971
MICROWAVE CAVITY RESONATOR DEVICE
Russell R. Law, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 14, 1947, Serial No. 748,057
13 Claims. (Cl. 315—6)



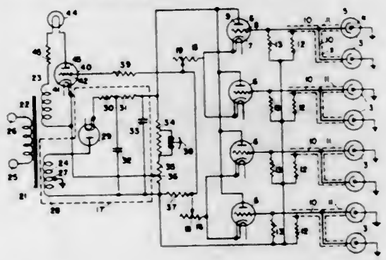
11. An ultra-high frequency push-pull stage comprising conductive wall structure defining three cavity resonators disposed side-by-side, a conductive shell within the intermediate cavity resonator, a pair of electron discharge devices each having elongated-electrodes including an anode and anode flange, a grid and a grid flange and a cathode and a cathode flange, couplings between the respective anodes and opposite sides of said shell, couplings between the cathode flanges respectively and the outer walls of the outer cavity resonators, and couplings between the grid flanges respectively and the walls common to the intermediate cavity and the two outer cavity resonators.

2,577,972
CIRCUIT ARRANGEMENT FOR STABILIZING THE AMPLITUDE OF ELECTRICAL OSCILLATIONS
Eric McPhail Leyton, Wimbledon, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application October 27, 1949, Serial No. 123,832
In Great Britain November 13, 1948
4 Claims. (Cl. 332—56)



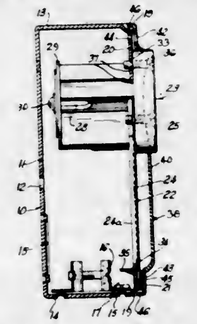
1. A drive circuit arrangement for applying oscillations to a varying load, comprising an electron discharge valve having a cathode, a control electrode and an output electrode, said valve having a low impedance for low values of potential difference between said output electrode and said cathode, a load, means coupling said load in circuit with the output electrode of said valve with said load presenting a high impedance to said valve as compared with the first-mentioned impedance, and means for applying large amplitude oscillations between the control electrode and cathode of said valve to cause half cycles of one polarity to drive said valve to cathode current cut-off and half cycles of opposite polarity to lower the potential difference between said output electrode and said cathode to a low value with said valve in a condition of low impedance, whereby variations in the minimum potential at the output electrode of said valve due to variations in said load are reduced and the amplitude of potential variations applied to said load is rendered substantially constant.

2,577,973
FIRE WARNING DEVICE
Donald J. MacDougall, Framingham, and Phillip J. Cade, Sharon, Mass., assignors to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application July 22, 1948, Serial No. 40,104
5 Claims. (Cl. 177—311)



1. A fire detection device comprising: a plurality of detecting branches, each of which comprises an electron discharge device having an anode, cathode, and control electrode, a direct current source connected between said anode and cathode, a capacitance connected between said cathode and control electrode, and connected in series with said capacitance, a first alternating current source and a radiation sensitive element adapted to pass a rectified current when exposed to radiation; an electronic amplifier tube having input and output terminals; a common load resistance connected in the anode-to-cathode circuits of all said discharge devices and also connected to the input terminals of said amplifier tube; and, connected between said output terminals, an electrical signalling device and a second alternating current source, the phase of which is substantially opposite to that of said first alternating current source.

2,577,974
ELECTRICAL OUTLET
Benjamin P. McKinley, Evanston, Ill.
Application September 29, 1948, Serial No. 51,731
3 Claims. (Cl. 174—53)

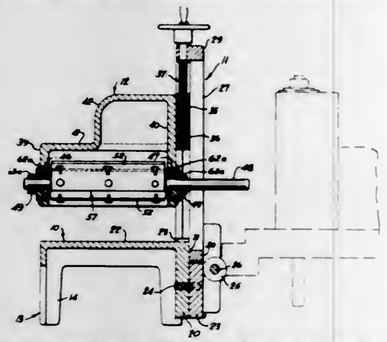


1. In combination, an outlet receptacle box comprising a base having end walls disposed in planes normal to the base, one of said end walls having an inwardly directed aligning tab, the other end wall being provided with an inwardly directed latch and aligning member, at least one of said end walls being outwardly deflectible slightly to enable said aligning tab and said latch and aligning member to be sprung farther apart for accommodating a receptacle assembly between the same, and a receptacle assembly provided with formations one adapted for cooperation with said aligning tab and the other comprising a catch member for cooperation with said inwardly directed latch and aligning member upon inserting the assembly between the tab and member for effecting predetermined alignment of the assembly with respect to the box and the releasable securement of the assembly to the box in the said predetermined position.

2,577,975
WOOD PLANER
Henry T. Moore, Greenfield, Mass.
Application April 18, 1950, Serial No. 156,510
2 Claims. (Cl. 144—117)

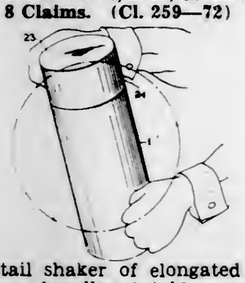
1. A wood planer comprising a stationary horizontal work platform, a leg assembly for the work platform, the leg assembly comprising two spaced front and back leg members, a brace disposed between the tops of the front leg members and between the corresponding front and back leg members on the ends, a back leg brace disposed between the back leg members, the back leg brace extending downwardly substantially to the feet of the back leg members and having a rearwardly extended protuberance integrally formed on the outside surface thereof, a pivot base disposed on the bottom of the protuberance, a dressing tool support pivotally disposed on the pivot base and coacting with the upper portion of the protuberance, the support having a slideway formed there-

in, means for adjusting the support relative to the back leg brace, a slide for the slideway, a tool carrier with open bottom disposed on the slide and extended forwardly thereof, and a dressing tool shaft rotatably disposed between the front



and back members of the carrier in a fixed plane spaced parallel from the plane of the open bottom of the carrier and extended rearwardly through the slideway of the support, and means for releasably securing the forwardly extended end of the carrier to the front of the platform.

2,577,976
COCKTAIL SHAKER
Albert D. Mortrude, Detroit, Mich.
Application December 2, 1947, Serial No. 789,246
8 Claims. (Cl. 259—72)



1. A cocktail shaker of elongated form, said shaker having a handle rotatably mounted thereon adjacent one end of said shaker, and a handle rotatably mounted thereon adjacent the opposite end of the shaker, but at a side of the shaker which is substantially diametrically opposite that on which the first handle is mounted.

2,577,977
BUCKET ATTACHMENT FOR TRACTOR MOUNTED FORKS
Noral A. Nelson, Royal Oak, Mich., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application July 3, 1948, Serial No. 36,885
1 Claim. (Cl. 214—145)

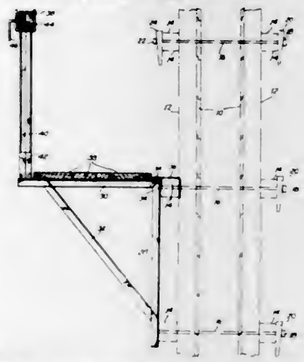


The combination with a tractor fork of the type having a shield provided with a vertically disposed front wall, a rearwardly extending bottom wall, and a plurality of parallel, forwardly extending tines secured to the underneath surface of said bottom wall and extending horizontally forwardly therefrom in spaced relationship, of a bucket attachment for said fork comprising a sheet metal structure including a flat bottom plate and a pair of sector shaped side plates extending vertically upwardly from the side edges of said bottom plate, each of said side plates being provided with a vertically extending rear edge, a laterally extending inturned attachment flange extending along the rear edge of each side plate, means for removably securing said flanges to the side regions of the front wall of said shield, said bottom plate resting on the upper surfaces of said tines and being substantially in the plane of the rearwardly extending bottom wall of said shield and, when assembled on said fork, constituting a forward extension thereof, and a plurality of U-shaped attachment loops welded to the underneath surface of said bottom plate along the front edge thereof and straddling said tines to maintain the bottom plate securely in position on said tines, said shield and side plates in combination constituting an open ended four sided scoop-like bucket or receptacle.

2,577,978
DIAGNOSTIC COMPOSITION
Richard S. Nicholls and Dale E. Fonner, Elkhart, Ind., assignors to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
No Drawing. Application February 4, 1949, Serial No. 74,706
9 Claims. (Cl. 252—408)

9. A diagnostic composition for detecting acetone bodies in urine comprising from 0.04 to 5.0% of a water-soluble nitroprusside, a member of the group consisting of (*a*) an alkaline material plus an aliphatic amino acid and (*b*) an alkaline alkali metal salt of an aliphatic amino acid, and a sugar in quantity sufficient to enhance the stability of color developed by said composition in the presence of acetone bodies.

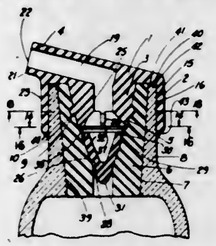
2,577,979
SCAFFOLD SUPPORTING STRUCTURE
Reuben E. Pierson and Charles W. Herwig, Seattle, Wash.
Application January 28, 1948, Serial No. 4,896
3 Claims. (Cl. 304—14)



2. Scaffold supporting structure comprising a triangular frame including mutually perpendicular sides secured together, one being normally horizontal to support horizontally a scaffold platform, and the other being normally upright to bear against the side of a building structure, and a diagonal member bridging between said mutually perpendicular sides and having its opposite

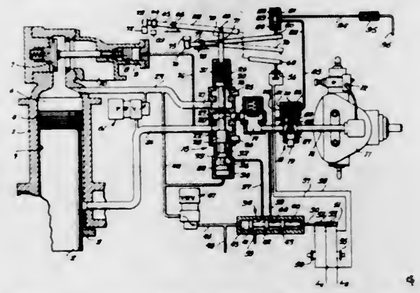
ends, respectively, secured thereto, a spreader extending transversely of said frame and having its central portion supported thereby at the junction of said frame sides and its opposite ends projecting, respectively, substantial distances laterally beyond said frame sides, and having a flat portion overlapping said upright frame side and disposed in a plane parallel thereto, and a pair of hooks secured to said spreader at locations near its opposite ends, respectively, having portions projecting transversely from the upper edge of said spreader away from but substantially parallel to said horizontal frame side and portions projecting therefrom downwardly parallel to said spreader flat portion, to grip a waler between said downwardly projecting portions of the hooks and the flat portion of the spreader to support the frame and hold it firmly against swaying laterally.

2,577,980
NONREFILLABLE BOTTLE CAP AND SPOUT
William Sandler, New York, N. Y.
Application October 17, 1947, Serial No. 780,352
10 Claims. (Cl. 215—21)



1. A non-refillable bottle cap comprising a body, a substantially cylindrical cap, attached to said body, a spout integral with said body, a valve, and a valve seat shell attached to said body, said valve seat shell having a seat for said valve formed therein, to permit a liquid to flow past said valve, in one direction, and prevent the flow of said liquid in the opposite direction.

2,577,981
HYDRAULIC MOTOR CONTROL
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio
Application May 15, 1945, Serial No. 593,851
17 Claims. (Cl. 60—52)



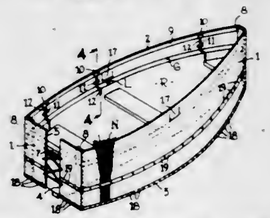
16. In an operating system for a hydraulic motor of the type having advancing and retracting chambers, a working member reciprocated by pressure differences in said chambers, a pump for delivering operating fluid under pressure, and connections between the pump and chambers for selectively controlling the delivery of operating fluid from said pump to said chambers and thereby controlling the direction of movement of said member, that improvement which comprises means controlled by said member and rendered effective when said member reaches a desired end position in its return movement for causing a decrease in the pressure of the fluid delivered by the pump to that which will sustain the weight of said member and hold it retracted, and place a minimum load on said pump.

2,577,982
ILLUMINATED PICTURE SUPPORT
Julius A. Traum, New York, N. Y.
Application October 11, 1949, Serial No. 120,647
1 Claim. (Cl. 40—152.2)



A picture support comprising a housing including a rear part and a cover, said rear part constituting a box-like member having an open front, said cover comprising a box-like member having an open rear, said cover and rear part being relatively dimensioned to permit nesting of said rear part within the said cover, the front wall of the cover having an opening therein, a transparent pane having a translucent sheet on its rear face, the front face of said sheet having a picture thereon, guide members within said housing on opposite sides of said opening to slidably receive said pane, and a strip of soft metal carried by and within said housing beneath said opening to detachably engage and support the bottom edge of said pane, said cover having a downwardly depending flange at its top back edge arranged to engage the rear part below the back top edge thereof.

2,577,983
HUNTER'S BLIND
John Van Vessem, Cleveland, Ohio
Application March 2, 1950, Serial No. 147,182
7 Claims. (Cl. 9—5)



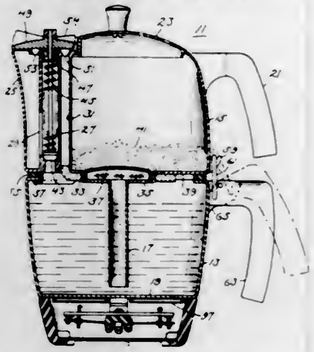
1. A portable hunter's blind comprising a flexible body forming an enclosure, support receiving

pockets provided on the upper marginal portion of said body, rigid support members slidable into said pockets to maintain said body in an elevated position, and sockets provided on an opposite marginal portion of the exterior of said body to retain camouflage greenery.

2,577,984
METHOD OF MAKING COLOR PRINTING PLATES
Harry Walter Warnecke, Putnam Valley Township, Putnam County, N. Y.
No Drawing. Application November 8, 1945, Serial No. 627,548
1 Claim. (Cl. 95—5.1)

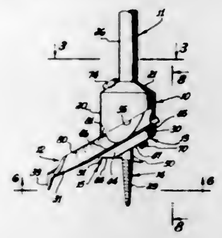
In the making of color printing plates, the step of making a color proof before the plates are etched which comprises photographing each one of a set of continuous-tone color-separation negatives through a half-tone screen on a wash-off relief film of such high contrast that it provides exposed dots, each dot extending throughout the thickness of the emulsion layer of the film and being of substantially uniform opacity and of substantially uniform cross-sectional area, developing, tanning, bleaching and washing off the films and coloring the gelatin dots remaining on each film the color of one of the process inks to be used, and superimposing the colored films in register on an opaque white background.

2,577,985
COFFEE MAKER
Philip E. Willman, Chicago, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application June 26, 1947, Serial No. 757,150
5 Claims. (Cl. 99—292)



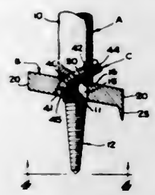
1. A vacuum type coffee maker comprising an upper and a lower container, said upper container having a liquid-conducting spout extending down into said lower container to a position near the bottom of said lower container, and means for sealing said upper container on said lower container whereby steam pressure in said lower container can force liquid therefrom into said upper container, said sealing means comprising an inturned lip at the upper end of said lower container, an out-turned lip at the lower end of said upper container for hooking under said inturned lip of said lower container and extending less than one half of the periphery of said upper container, a gasket on said inturned lip on which said upper container seats in an air-tight manner, a handle pivotally mounted on said lower container, a ring on said handle and a hook on said upper container engageable by said ring for locking said upper container on said lower container, said ring being movable into locking position by a rotation of said handle in the direction that gives an inward motion to a portion of the handle below the pivot, a stop for limiting the rotation of said handle in said direction, said handle in said locked position having a portion thereof extending outward by which the coffee maker may be lifted.

2,577,986
EXPANSION BIT
Harry C. Wilson, Sherman Oaks, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application June 18, 1946, Serial No. 677,486
8 Claims. (Cl. 145—127)



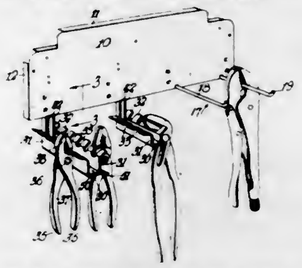
1. A bit of the character described including, a central body with a lower end face in a plane inclined to a plane normal to the axis of the bit, there being a downwardly opening channel in the lower end face of the body, a cutter carried in the channel to project from one side of the body and to a point below the lower end of the body, a plate opposing said lower end face and retaining the cutter in the channel, and means securing the plate to the body, the cutter being V-shaped in cross section and having its projecting portion turned back from the direction of cut.

2,577,987
BIT WITH DETACHABLE BLADE
Harry C. Wilson, Sherman Oaks, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application December 11, 1946, Serial No. 715,423
6 Claims. (Cl. 145—126)



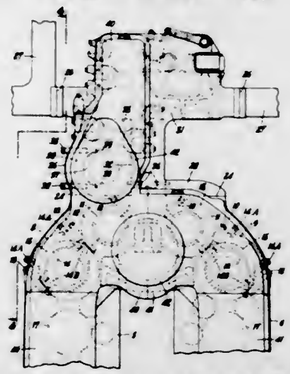
2. A bit of the character described including, a substantially flat cutter head with a cutting edge, a shank element having an elongate shank and a head carrier on the end of the shank fitting an opening in the head to establish driving engagement between the shank element and head, the axis of the opening in the head being inclined relative to a line perpendicular to the plane of the head, and means releasably retaining the head on the carrier including a member carried by the shank element shiftable relative to the shank and extending into a socket in the head the periphery of the head being concentric with the shank.

2,577,988
DISPLAY BOARD
Sidney R. Wirth, River Forest, Ill., assignor to Advertising Metal Display Co., Chicago, Ill., a corporation of Illinois
Application September 11, 1948, Serial No. 48,795
5 Claims. (Cl. 211—86)



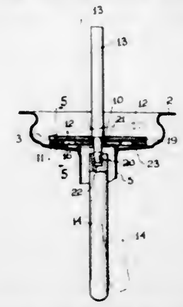
1. A display board embodying therein a panel member, a holder, means supporting the holder from the panel, said holder including upstanding spaced side wall portions and a marginal portion extending outwardly from the top of at least one of said side wall portions, said marginal portion having a plurality of spaced recesses therein, and a member extending outwardly from the bottom of the holder below said marginal portion and having a plurality of spaced recesses therein, the recesses in said member being offset with respect to the recesses in the marginal portions thereabove.

2,577,989
ROTARY PRINTING PRESS FRAME STRUCTURE
Emory W. Worthington, Chicago, and Christopher Verne Knell, Glen Ellyn, Ill., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application August 14, 1945, Serial No. 610,768
4 Claims. (Cl. 101—180)



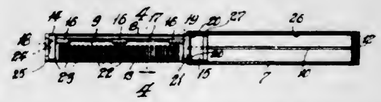
1. In a press unit comprising side frames and caps diagonally surmounting said frames, in combination, top surfaces formed on said frames and caps and extending continuously thereacross, extra frames supported on said frames, substantially rectangular frame blocks adapted to rotatably support an extra cylinder, said blocks being supported substantially on said top surfaces of said caps, said blocks further having substantially straight and horizontal top surfaces and said extra frames having surfaces adapted to rest on said last mentioned surfaces whereby said extra frames are partly supported through said blocks and caps on said frames.

2,577,990
FILTERING DEVICE FOR COFFEE MAKERS
Manuel S. Ziskin, University Heights, and Lester W. Cline, Berea, Ohio, assignors to Kromex Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 17, 1948, Serial No. 2,893
1 Claim. (Cl. 210—162)



A filtering device for a coffee maker of the type having an elevated brewing vessel opening into a lower receptacle, said filtering device comprising a flat thin metal disk having a plurality of openings therein, said disk being adapted to overlie the opening between said vessel and said receptacle, a second thin metal disk superimposed on said first-named disk in axial alignment therewith, projections formed on one of said disks and abutting the surface of the other of said disks to retain said disks in axially spaced relationship, said projections being disposed inwardly of the periphery of said disks but outwardly of the openings in the first disk whereby the conjoint edges of said disks define an uninterrupted horizontal annular flow channel, said channel being of such dimension as to restrain the passage therethrough of coffee grounds, a stem having a portion of reduced diameter extending through said disks and providing a shoulder which rests on the second disk, said reduced portion extending into said lower receptacle to maintain said disks in axial alignment, and a removable stabilizing rod of predetermined weight frictionally secured to said stem extension and extending freely into said lower receptacle to yieldably maintain said stem in vertical position, the axial distance between said stabilizing rod and said stem being greater than the thickness of said disks in combination.

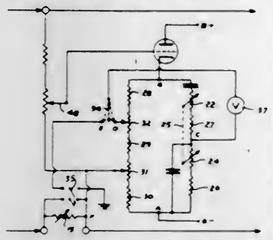
2,577,991
TELESCOPING HAIRDRESSING COMB
Esther E. Morris Zurndorfer, Chicago, Ill.
Application July 3, 1947, Serial No. 758,837
4 Claims. (Cl. 132—35)



1. A telescoping hair dressing comb comprising, a tubular handle, a tubular comb holder slidably mounted in said handle, and actuating means in said holder for extending the teeth of the comb from the wall of the holder, said actuating means comprising a longitudinally extending member having end bearings between which the comb is mounted, said comb having an intermediately disposed elongated transverse bearing extending

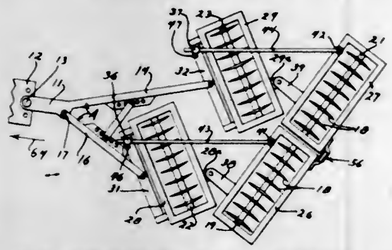
laterally of the plane of the teeth, and a pintle of the approximate length of said actuating means slidably engaged in said bearing at its ends in respective end bearings.

2,577,992
PHASE ANGLE AND POWER FACTOR METER
George Allan Armstrong, Vancouver, British Columbia, Canada
Application October 2, 1950, Serial No. 187,881
9 Claims. (Cl. 172—245)



1. A bridge circuit having input and output terminals for measuring phase angle between line voltage and current, said circuit comprising a pair of arms through which voltage is to be applied to the bridge in phase with the line voltage, one of said arms including a condenser and a resistance in series, and a condenser and a resistance in parallel, the second of said arms including three resistances, two of said resistances being equal and a third resistance being of twice the sum of the said two resistances, said second arm having connected thereto between some of its resistances a further resistance which is adapted for connection in series with the line.

2,577,993
DISK HARROW SQUAD HITCH
Aldo E. Baccei and Guido F. Baccei, Woodland, Calif.
Application June 27, 1947, Serial No. 757,582
3 Claims. (Cl. 55—83)



1. The combination with a squadron harrow comprising a pair of offset harrows each composed of front and rear gangs, of a hitch structure for the squadron harrow comprising a first member, one end of which is arranged to be attached to a tractor and the other end of which is pivotally connected to one of the front gangs at a point substantially midway of the length of said front gang and on a leading edge thereof, said first member having a short stem and an elongated integral leg extending at an angle with respect to said stem, a second member, one end of said second member being pivotally connected to said first member substantially at the angle formed by said stem and said leg and the other end of said second member being pivotally connected to the other of the front gangs at a point substantialy midway of the length of said front gang and on a leading edge thereof, first means for holding said first member and said second member at substantially a fixed angle in a horizontal plane with respect to each other but permitting lifting of the one member with respect to the other, second means pivotally connecting each of said rear gangs with its front gang, said second means being offset laterally from the midsections of said gangs, and third means pivotally connecting said rear gangs together.

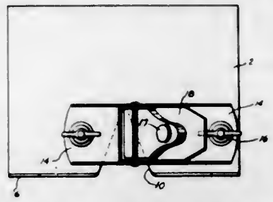
2,577,994
OVERSHOT
William Bendeler and Clifford Howard, Oklahoma City, Okla.
Application February 1, 1947, Serial No. 725,954
6 Claims. (Cl. 294—102)



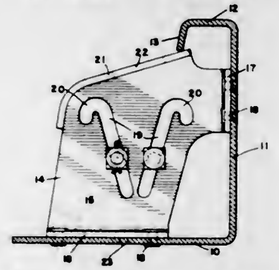
1. In an over shot apparatus for removing a broken off element from a well bore comprising a segmental cylindrical bowl adapted to be lowered over the element, a latching assembly disposed in the bowl and comprising a latching cylinder having a plurality of serrated slips carried thereby, a tapered portion provided in the bowl cooperating with a tapered portion on the slips to effect a gripping engagement of the slips with the element, means anchored above the latching assembly for urging the tapered portion of the slips into contact with the tapered portion of the bowl, means provided in the bowl and cooperating with the latching cylinder to prevent rotation thereof during contact between the tapered portions, means cooperating with the second mentioned means permitting downward movement of the bowl relative to the latching cylinder to effect a release of the slips from the element, means permitting rotation of the bowl relative to the latching cylinder to permit removal of the over shot from the well bore, and means disposed in the bowl below the slips for milling the top of the element during the movement of the apparatus over the element, and sealing means provided in the bowl to provide a fluid tight seal between the bowl and the outer surface of the element.

2,577,995
CUE TIP TRIMMER
Harry Bozarth, Muskogee, Okla.
Application November 16, 1946, Serial No. 710,242
2 Claims. (Cl. 145—27)

1. In a cue tip trimmer comprising plate for supporting a tipped cue shaft, said plate including an angularly extending leg portion, a V-shaped slot provided in the plate for guiding the shaft, a stationary blade secured on the support member with the cutting edge of the blade positioned parallel to a plane passing through the apex of and bisecting the V-shaped slot, said cutting edge being offset slightly from the apex to provide the proper contour for the cue tip.



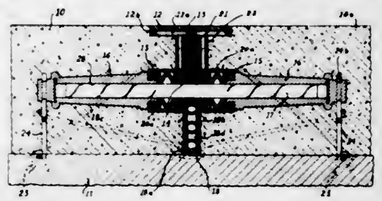
2,577,996
ROAD RAIL
Ottwin L. Braun, Pittsburgh, Pa., assignor to Reliance Steel Products Company, McKeesport, Pa., a corporation of Pennsylvania
Application April 2, 1947, Serial No. 738,870
4 Claims. (Cl. 25—118)



1. A road form and stake pocket structure comprising a rail having a vertically extending web and a horizontal base portion, a pair of spaced flanges extending perpendicular to said web and cooperating therewith to define a stake pocket, each of said flanges having a pair of downwardly converging slots extending through the walls thereof, a pair of wedging bolts respectively having opposite ends extending through similar slots to the outside of said flanges and having guided movement therein for exerting a wedging action on a stake extending upwardly through said stake pocket, and a top plate spanning and secured to the top edges of said flanges, said top plate and rail base portion having stake receiving openings for maintaining a stake in said pocket in position for wedging engagement by said bolts.

2,577,997
TRAFFIC LANE MARKER STRIP
John E. Carter, Columbus, Ohio
Application May 18, 1946, Serial No. 670,792
14 Claims. (Cl. 94—1.5)

2. A traffic lane marker strip assembly for a concrete slab road pavement, including in combination, a plurality of concrete slabs laid upon a roadbed in adjacent proximity to one another, said slabs being positioned so as to form a longitudinal vertical joint along said roadway; a dowel bar joining adjacent concrete slabs at a plurality of intervals along the longitudinal joint, said dowel bars being positioned in the concrete slabs with which they are associated below the road surface; a traffic lane marker strip laid on the road pavement surface over the longitudinal joint, said marker strip having bolt holes therein at intervals corresponding to the dowel bar intervals and said holes being positioned directly over the associated dowel bars; a hollow tubular connecting means, including expansible tubular extensions spanning the vertical joint between the slabs associated with each dowel bar through which the associated dowel bar is slidably mounted, said connecting means having protruding upwardly at the vertical joint a bolt screw socket; and a bolt for each of said bolt holes in the strip, said bolt being fastenable to the connecting means by threads, whereby when such bolts are passed through the strip and screwed in place in the connecting means the strip is held in place on the roadbed, but may be released therefrom for replacement by unscrewing the bolts from the connecting means.



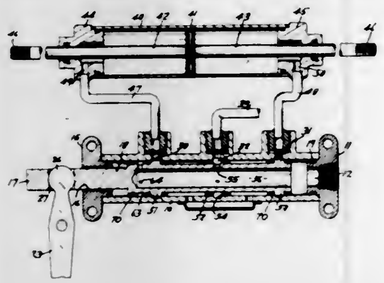
2,577,998
VERTICAL JOINT SEALING STRIP FOR CONCRETE SLAB ROAD PAVEMENTS
John E. Carter, Columbus, Ohio
Application October 1, 1946, Serial No. 700,532
6 Claims. (Cl. 94—18)

1. A resilient and compressible joint sealing strip for insertion in the joint space between adjacent cast concrete slabs of a roadway comprising the combination of an elongated core strip, of substantially rectangular cross-section, formed of cellular elastomeric material, a solid elastomeric relatively thin sheath completely enveloping said core strip and closely surrounding it, but loose therefrom, and fins laterally extending from opposite sides of the sheath carrying means for interlocking with the adjacent ends of the concrete paving slabs.

2,577,999
REVERSING VALVE
Niels A. Christensen, South Euclid, Ohio
Application December 15, 1945, Serial No. 635,277
4 Claims. (Cl. 251—76)

1. A valve comprising a cylinder having four ports spaced axially in its wall and intermediate the ends thereof together with an exhaust port

in one end thereof, two of said ports being interconnected by a fluid conduit, a member slidably mounted in said cylinder and having a pair of peripheral grooves in its surface of such length that when the member is in one position one of said grooves establishes communication between one of said interconnected ports and a third port



while the other groove establishes communication between the other of said interconnected ports and a fourth port, said member having an internal space communicating with the exhaust port and a passageway from said internal space to the exterior of the member, said passageway being adapted to register with said third port in another position of said member.

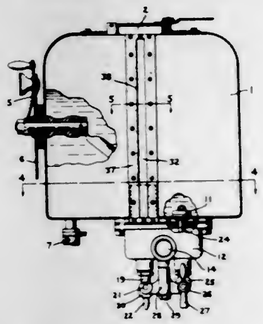
2,578,000

WATER TANK FOR CONCRETE MIXERS

George W. Cronk, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application July 19, 1946, Serial No. 684,743

1 Claim. (Cl. 222—464)



In a water tank structure for concrete mixers, a water tank for containing a quantity of both batch mixing water and flushing water, a valve housing attached to the bottom of said tank and having a pair of spaced valve seats in its upper surface, said tank provided with openings aligning with said valve seats, said valve housing having a water outlet, valves carried by said valve housing and seating upon said seats, means for moving said valves on to or off of their seats, an outlet standpipe for batch mixing water surrounding one of the openings in the bottom of said tank and extending upwardly a predetermined distance into the tank whereby a predetermined quantity of flushing water will be retained in the tank after the valve aligning with said standpipe is opened to permit the flow of batch mixing water from the tank.

2,578,001

ASPHALT-BASE LAMINATING ADHESIVE

Richard H. Cubberley, Madison, Lyman P. Hill, Ridgewood, and Wilfred J. Mohr, Clifton, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

No Drawing. Application May 21, 1949, Serial No. 94,738

3 Claims. (Cl. 260—758)

1. A hot-melt asphalt base-laminating adhesive consisting essentially of about 17 parts by weight of a resinous material selected from the group consisting of rosin and resinous derivatives thereof, about 17 parts by weight of an alkali digester natural rubber reclaim, and about 66 parts by weight of an asphalt having a softening point (ASTM ring and ball) of 150° to 220° F., a penetration (770° F., 5 seconds, 100 grams) of 0 to 75 and an asphaltene content of 20 to 40%, said adhesive being characterized by low-temperature flexibility.

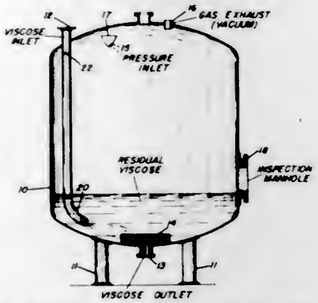
2,578,002

METHOD AND AN APPARATUS FOR BLENDING VISCOSE SOLUTIONS

Louis S. Fryer, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application June 3, 1947, Serial No. 752,066

2 Claims. (Cl. 106—165)



1. The method for blending a fresh viscose solution with an older residual viscose solution retained in the base of an enclosed circular space which comprises charging the fresh solution into the residual solution in an enclosed circular space in a circulatory manner and at a pressure adapted to effect a non-turbulent circulation of the solutions, and subjecting the solution mixture to a vacuum during the charging.

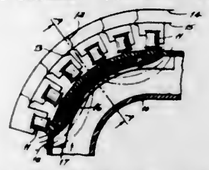
2,578,003

PREVENTION OF EROSION BY MOVING SOLIDS

Paul W. Garbo, Freeport, N. Y., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey

Application March 26, 1947, Serial No. 737,390

14 Claims. (Cl. 302—66)



1. In the transportation of comminuted solids by suspension in a moving fluid stream, the method of controlling the abrasive contact of said solids with a curvilinear surface confining said fluid stream substantially without changing the quantity of said solids suspended in said moving fluid stream, which comprises subjecting said solids suspended in said moving fluid stream to a controlled field of force operative to check the abrasive contact of said solids with said curvilinear surface.

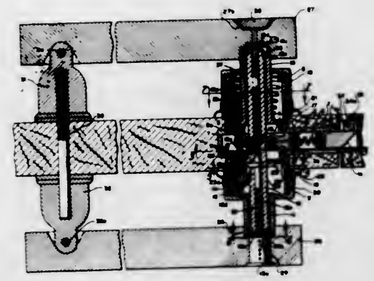
2,578,004

DOOR LATCH AND LOCK

Earl W. Gifford, San Diego, Calif.

Application August 25, 1947, Serial No. 770,419

6 Claims. (Cl. 70—146)



1. In a door latch of the class described, the combination of a bolt casing, a bolt reciprocally mounted therein having an opening therethrough, a spring bearing block in said opening, a spring engaging said bolt and tending to force said spring bearing block toward one end of said bolt, a plunger extending through said opening in said bolt intermediate said spring bearing block and the opposite end of said bolt, said plunger provided with cam means arranged to retract said bolt into said casing, a roller on said spring bearing block engageable by one side of said plunger, and a second roller rigidly connected to said bolt engageable with said cam means on said plunger, a tumbler lock at one end of said plunger, a shaft operatively connected with said tumbler lock extending through said plunger and having a geared portion thereon, a pin having a rack portion in mesh with said gear portion extending through said plunger, said bolt provided with a recess adapted to receive said pin.

2,578,005

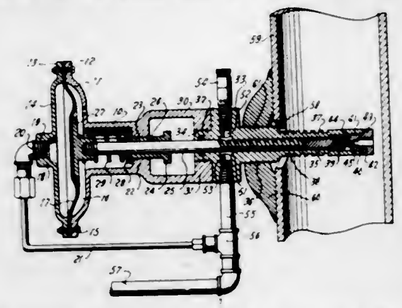
PILOT GAS REGULATOR

Clarence O. Glasgow, Tulsa, Okla., assignor to National Tank Company, Tulsa, Okla., a corporation of Nevada

Application November 7, 1949, Serial No. 125,883

3 Claims. (Cl. 50—23)

1. In combination with a conductor carrying a main stream of gas under pressure, a pressure reducer for withdrawing a minor stream of gas under reduced pressure including, an inlet fitting connected to and extending a substantial distance into the main stream conductor, said inlet fitting having an inlet within the conductor and an elongate helical flow passage traversing the fitting within the conductor, a pressure-reduction valve between said inlet and said flow passage, means for operating said valve, and a discharge



conductor leading from the flow passage exteriorly of the main stream conductor.

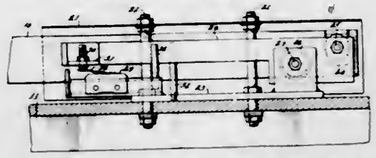
2,578,006

LOAD LIMIT CONTROL

Joseph F. Green, Moline, Ill., assignor to Montgomery Elevator Company, a corporation of Illinois

Continuation of application Serial No. 649,283, February 21, 1946. This application January 31, 1950, Serial No. 141,535

5 Claims. (Cl. 187—29)



5. In an elevator system including a cage, a hoisting cable affixed thereto, and drive means therefor, a load limit control system, including: a crosshead comprising the lifting beam of the cage; a motion-multiplying lever pivotally affixed in spaced relation to said crosshead; means on said cage for moving said lever about said pivot in accordance with and in a degree proportional to the load on said cage; switch means movable between two positions, and adapted while in one position to forestall operation of the drive means, the position of said switch means being varied through action of the lever to forestall operation of the drive means upon loading of the cage over a predetermined maximum; and apparatus for adjusting the load point at which the switch means is moved to forestalling position, said adjusting apparatus comprising a movable switch actuating member carried by the lever adjacent the point of greatest motion to provide minimum adjustment sensitivity, the means for moving the lever being adapted to engage said lever at a point closer to said point of pivotal mounting than the distance between said point of pivotal mounting and said actuator.

2,578,007

RESPIRATOR

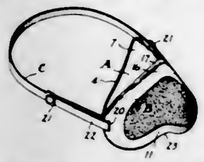
John D. Hill, Cleveland, Ohio

Application December 4, 1947, Serial No. 789,652

11 Claims. (Cl. 128—146)

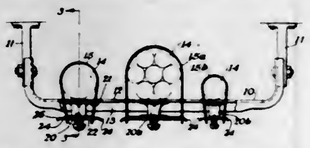
1. A mask type respirator comprising an inner frame member receivable against the face of a wearer and having a central breathing opening, an outer frame member receivable over the inner frame member, a filter element interposed

between the members and extending across said opening, and a retaining band for holding the members in place, the frame members having aligned apertures and the band having at least



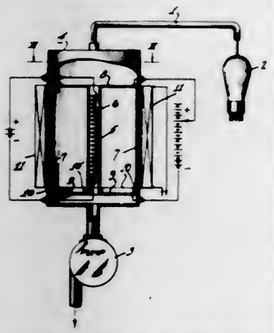
one loop extending through the aligned apertures in the frame members and serving to hold the frame members together when the band is tensioned about the head of the wearer.

2,578,008
FASTENING DEVICE
Charles H. Judd, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 19, 1945, Serial No. 635,983
3 Claims. (Cl. 24—243)



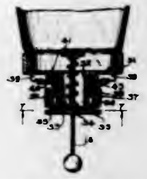
1. A fastening device comprising a resilient strip bent intermediately to provide two arms extending in the same general direction, an aperture in one arm, thread engagement means integral with the said one arm adjacent the aperture and extending toward the other arm, and lateral extensions projecting from opposite edges of the said one arm having end portions projecting out of the plane thereof away from the other arm for hooking engagement with an article to be moved relative to the other arm, by a screw extending through the aperture and engaging said means and the said other arm.

2,578,009
ELECTRONIC HIGH VACUUM APPARATUS
Ernest G. Linder, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 23, 1947, Serial No. 793,419
3 Claims. (Cl. 230—1)



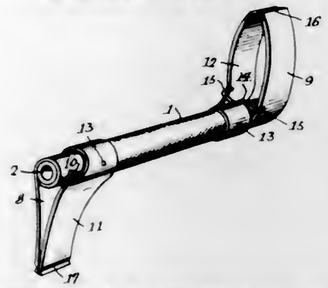
1. In vacuum apparatus, a metal cage defining a space through which a rarefied gas may pass, a source of electrons exterior of said cage, means for projecting electrons from said source into said cage, a source of magnetic energy adjacent to said cage for directing said electrons in non-linear paths among the molecules of which said rarefied gas is composed whereby to cause said electrons to impinge upon said molecules and to ionize the same, and means for subjecting said ionized gas molecules to an electric field of an intensity and direction calculated to project them out of said cage in a predetermined direction.

2,578,010
SUGAR SHAKER AND DISPENSER
Victor M. Llorens, Long Island City, N. Y.
Application September 27, 1947, Serial No. 776,524
4 Claims. (Cl. 222—448)



2. A sugar dispenser comprising a main container, a cover for the main container having a neck portion therein with a top thereover, said top having openings through which sugar may be dispensed and a central opening, a rod extending through the central opening in the top of the neck portion, a plunger on the inner end of the rod, said plunger adapted to be worked in the neck portion, a cover flange carried by the rod and adapted to close the openings in the top of the neck portion, spaced cylinders mounted on the sides of the neck portion, pistons slidably positioned within said cylinders, piston rods carried by said pistons and projected from said cylinders and connected with said cover flange, and manually operable means on said cover for moving said pistons within said cylinders in a direction to unseat said cover flange and permit the sugar to flow through said openings, and spaced ear projections formed on said cover flange and to which the projected ends of said piston rods are connected.

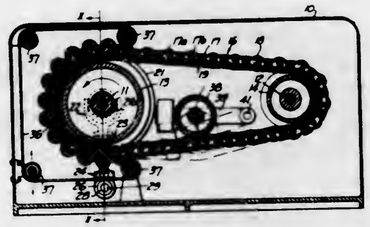
2,578,011
SHAFT MEASURING TOOL
Joseph Charles Henri Maheux, Quebec, Quebec, Canada
Application February 10, 1951, Serial No. 210,339
6 Claims. (Cl. 33—149)



1. A measuring tool comprising a pair of tubes mounted rotatably one within the other, a finger secured to each end of each tube, the fingers at each end lying adjacent to each other and shaped

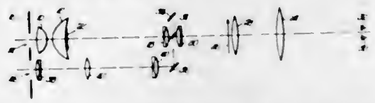
for mutual contact at their free ends, all of said fingers being of equal radial extent, whereby the displacement of one pair of free ends results in equal displacement of the other pair of free ends.

2,578,012
VARIABLE DRIVE TRANSMISSION
Leonard McGihon, San Leandro, Calif., assignor to King Sales & Engineering Co., San Francisco, Calif., a corporation of California
Application March 3, 1947, Serial No. 731,964
12 Claims. (Cl. 74—217)



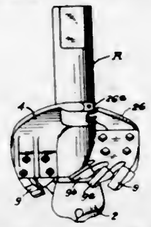
1. A variable drive mechanism including respective drive and driven members of constant pitch diameter, an articulated drive element trained about said members having drive segments at a series of the points of articulation thereof and having control elements at another series of the points of articulation thereof, and control means for displacing said control elements radially of one of said members to effect zigzag flexing of the element as it travels about said one member to vary the speed ratio of the drive.

2,578,013
VIEW FINDER AND DRIFT SIGHT
George S. Monk, Chicago, Ill., assignor to Chicago Aerial Survey Co., Chicago, Ill., a corporation of Illinois
Application October 10, 1947, Serial No. 779,061
4 Claims. (Cl. 88—32)



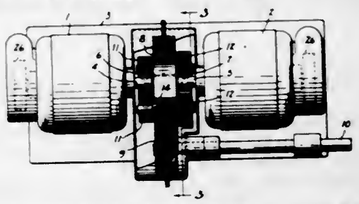
1. In an optical instrument of the class described, an optical system forming the objective of said instrument which comprises two principal lens units disposed in at least substantially equivalent axial alignment, the first principal lens unit having a first principal refracting surface which is spherical and convex with a radius of curvature of approximately 20 inches and a second principal refracting surface which is approximately paraboloidal with the value of the latus rectum of the parabola equal to to approximately 4 inches, the second principal lens unit having a first principal refracting surface which is approximately paraboloidal with the value of the latus rectum of the parabola equal to approximately 6 inches, the second principal refracting surface of the second principal lens unit being spherical and concave with a radius of curvature of approximately 24 inches, said lens units being sufficiently large in diameter to form an image of a distant object near said second principal lens unit, means for erecting said image and a long focus eye-piece lens of sufficient diameter.

2,578,014
EARTH AUGER
Gerald A. Petersen, San Francisco, Calif.
Application August 5, 1946, Serial No. 688,436
3 Claims. (Cl. 255—70)



3. An auger of the character described comprising a central stem having an axis, a pair of helical shaped blades secured to the stem, one on each side thereof and opposite each other, said blades forming a double helix, a pair of plates each having a plurality of substantially straight bars thereon, said bars on each of said plates having the general conformation of said helix and ending at different radial planes, means for securing said plates to said blades with said bars substantially continuing said double helix, and cutters on said bars, the cutters and bars on one of said plates being radially staggered with respect to the cutters and bars on the other of said plates, and each of said bars and cutters when seen in the direction of said axis being approximately tangent to its arc of travel about said axis.

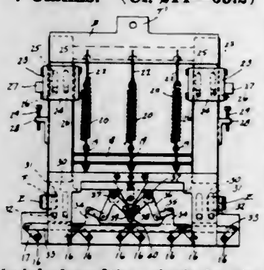
2,578,015
TRANSMISSION
Gustav A. Reinhard, Shaker Heights, Ohio
Application July 10, 1945, Serial No. 604,189
3 Claims. (Cl. 318—8)



1. In combination, a rotatable element having at least three uniformly spaced openings arranged equally distant from the axis thereof and means for rotating said elements at twelve different speeds, including two reversible induction motors, each being capable of being maintained stationary or of being rotated in either direction at two different constant speeds, said motors having their shafts in alignment and extending toward each other and each having a gear affixed thereto which gears are arranged on opposite sides of said element with their axes in alignment and one of said gears having a larger pitch diameter than the other gear, at least three pinions of the same pitch diameter in mesh with one of said gears and at least three pinions of the same pitch diameter in mesh with the other gear, and the pitch diameter of one of said motor shafts, plus the pitch diameter of one of the pinions in mesh therewith being equal to the pitch diameter of the other motor shaft gear plus the pitch diameter of one of the pinions in mesh therewith, and each pinion in mesh with one gear having its axis arranged opposite to the axis of a pinion in mesh with the other gear and one of said open-

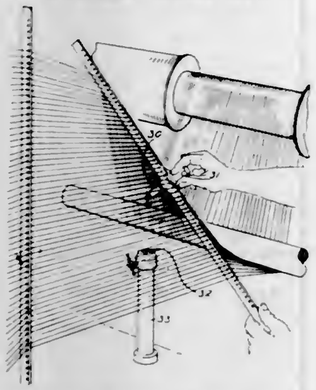
ings in said element, a shaft extending through each of the openings in said element and having one end secured to a pinion which is in mesh with one gear and its opposite end secured to a pinion which is in mesh with the other gear, whereby said element may be rotated at one of twelve different speeds depending upon the speed and direction of rotation of one or both of said motors, and means independent of the pinion shafts for supplementing the action of the pinion shafts in maintaining said rotatable element perpendicular to the axes of the motor shafts.

2,578,016
BRICK HANDLING FORK MECHANISM
Siles Elmer Rike, Centerton, Ind.
Application January 29, 1949, Serial No. 73,554
7 Claims. (Cl. 214—65.2)



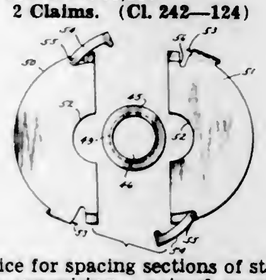
1. In a brick handling fork having relatively movable and elevatable and lowerable base and frame members, the combination of brick supporting fingers cantileverly supported by the frame, tension means connecting the base and frame together and brick load extensible, and means interconnecting the base and frame to either comprising a plurality of vertically spaced balls therebetween, the balls being carried by the frame and bearing upon opposite sides of the base.

2,578,017
METHOD AND APPARATUS FOR WARPING A BEAM
Tobias Rovas, Cleveland, Ohio, assignor of forty per cent to Ohio Knitting Mills, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 1, 1948, Serial No. 24,643
7 Claims. (Cl. 28—54)



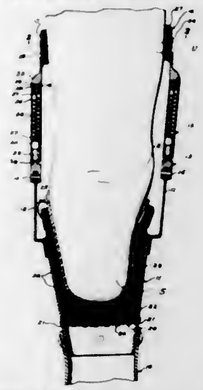
1. A method of warping a beam for use on a knitting machine comprising, holding strands in spaced relationship in a vertical plane as they are withdrawn from individual bobbins, leading the strands through a guide member disposed in a horizontal plane, passing the strands around an abrasive roll and then onto a warp beam, winding the beam to a predetermined depth, severing the strands between the abrasive roll and beam, moving the vertical and horizontal guides as a unit axially of the beam to a new section on the beam, turning the horizontal guide through 180° in a vertical plane, so as to reverse the position of the strands on the new section of the beam with respect to that previously wound, and then repeating the winding operation on the new section.

2,578,018
WARP BEAM COLLAR
Tobias Rovas, Cleveland, Ohio, assignor of forty per cent to Ohio Knitting Mills, Inc., Cleveland, Ohio, a corporation of Ohio
Original application May 1, 1948, Serial No. 24,643. Divided and this application March 24, 1949, Serial No. 83,137
2 Claims. (Cl. 242—124)



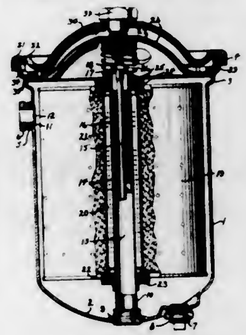
1. A device for spacing sections of strands on a warp beam comprising, a pair of separable semicircular plate sections, each having a centrally disposed notch therein, the notches coacting to provide an aperture through which the beam may be passed, each section having a notch adjacent its periphery and having a spring pressed pin within the plane of the section adapted to overhand the notch, and the other section having a latch fitted thereto within the plane of said section and shaped at its end to engage the notch in the other section, said pin being adapted to overlie the latch when said latch occupies said notch, whereby the sections may be clamped together.

2,578,019
ARTIFICIAL LIMB
Catherine M. Ryan, Cleveland Heights, Ohio
Application August 16, 1950, Serial No. 179,813
9 Claims. (Cl. 3—3)



1. In an artificial limb, a limb replacement; a stump socket casing carried by said limb replacement; stump padding comprising soft elastic material disposed along the floor and sides of the casing, a replaceable sanitary stump cap within the said elastic material, and an adjustable circumferential strap at the top of said padding for binding the padding to the stump; a padded clamping band for holding the artificial limb on the limb of the wearer above the limb joint and a pair of extensible hinge members oppositely and laterally disposed between said socket casing and said clamping band.

2,578,020
FILTER CARTRIDGE CONTAINER
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 26, 1946, Serial No. 657,121
4 Claims. (Cl. 210—183)



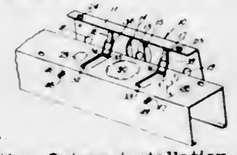
1. In an oil filter container, a casing, a center outlet tube therein around which a filter cartridge may be positioned, a gasket around the lower part of said tube on which the cartridge may seat, a locking ring secured inside the mouth of said casing, a locking plate engageable with said ring, resilient means carried by said plate to effect a seal between the cartridge and said center tube by forcing the cartridge against said gasket, a cover for the casing, and means for clamping said cover to said locking plate and thereby transfer the force of the clamping to said locking ring and away from said center tube, said casing having an inlet opening leading to the space outside a cartridge and an outlet opening communicating with said center tube.

2,578,021
METHOD OF MAKING A LOCKING RING AND PLATE ASSEMBLY
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Original application March 26, 1946, Serial No. 657,121. Divided and this application December 5, 1947, Serial No. 789,886
2 Claims. (Cl. 113—121)



1. The method of making a locking plate and locking ring assembly, including the steps of severing a single disc-like blank of material to provide both the plate and ring by cutting the disc along a line of cut to define an inner circumferential row of spaced teeth on said ring and an outer circumferential row of spaced teeth of less width on the plate and extending the line of cut along the base of each ring tooth at one end thereof a predetermined distance, restriking the plate to reduce its diameter sufficiently to pass through the ring, and bending down said one end of each tooth on the ring to function as a stop to insure interlocking of the plate and ring teeth when the plate is inserted through the ring and rotated relatively thereto.

2,578,022
LIGHTING FIXTURE INSTALLATION
Leslie K. Schoenbrod, Chicago, Ill., assignor to Electro Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application June 6, 1950, Serial No. 166,397
2 Claims. (Cl. 248—343)



1. A lighting fixture installation comprising a hanger plate, said hanger plate having a plurality of small openings adapted to receive toggle screws for attaching said hanger plate to the ceiling of a room, said hanger plate having a center circular opening and a pair of end circular openings adjacent its ends, said center opening adapted to be used for attaching said hanger plate to an outlet box, said end circular openings adapted to be used for attaching said hanger plate to a stem and canopy lighting assembly, said hanger plate having a pair of hanger tabs, said hanger tabs extending beneath the under-surface of said hanger plate, said hanger tabs being slightly yieldable to pressure, said hanger plate having a pair of integral side members, each of side members having a pair of openings adjacent its ends, and a lighting fixture channel, said channel having three knock-out openings spaced to correspond with the circular openings in said hanger plate, said channel having a pair of rectangular depressions, a pair of suspension clips attached to said channel adjacent the ends of said rectangular depressions, said channel having on one side thereof a pair of fixed studs extending outwardly therefrom and spaced to correspond with the openings adjacent the ends of the side members of said hanger plate, said channel having on its other side a pair of stud openings spaced to correspond with said fixed studs, a spring band mounted within one side of said channel and attached thereto adjacent the center of said band, a pair of depressible studs attached to the ends of said spring band, said depressible studs normally extending through the stud openings in the side of said channel and so held by said spring band, said depressible studs having screw-threaded ends adapted to receive wing nuts, said lighting fixture installation adapted to be installed by one man by first attaching said hanger plate to the ceiling, outlet box or stem and canopy assembly, said lighting fixture channel then adapted to be partially attached to said hanger plate by attaching said suspension clips to said hanger tabs, said fixed studs adapted to be inserted into the openings adjacent the ends of one of the side members of said hanger plate, said depressible studs adapted to be manually depressed against the pressure of said spring band to permit said

channel to fit between the side members of said hanger plate, said depressible studs adapted to be released to project outwardly through the stud openings in the other side member of said hanger plate, said suspension clips and hanger tabs adapted to fit within the rectangular depressions in said channel, so that said channel fits within the sides of said hanger plate and is so held to complete the installation of the lighting fixture.

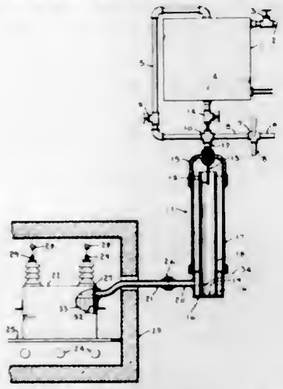
2,578,023
MAGNETIC WIRE RECORDING
Terry M. Shrader, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1947, Serial No. 725,559
1 Claim. (Cl. 274—4)



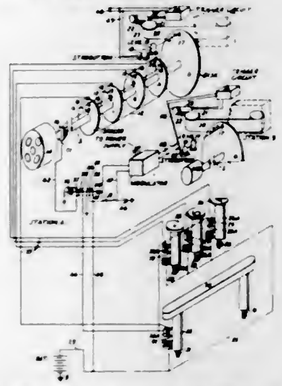
A telegraphone comprising, in combination, a reeling system including a storage reel and a take-up reel, said reels being the opposite ends of a path along which a flexible magnetic-wire record is adapted to run, a sound head, a first guide roller intermediate said storage reel and said sound head, a second guide roller intermediate said take-up reel and said sound head, said rollers being substantially one inch in diameter, and a flexible magnetic wire record wound to run between said reels around said rollers along said path, said wire record having a preformed circular set of a radius of curvature smaller than the largest radius of curvature of either of said reels but larger than that which would effect demagnetization of said wire when previously magnetized, the curves in said path being all in the same direction of movement of said wire, each of said rollers having a wire receiving groove the bottom of which is flat and parallel to the axis of rotation of said roller and the side walls of which are flat and slant at an angle of approximately 22.5 degrees with respect to a plane normal to said axis, said wire moving along said path at points in proximity to each of said rollers at a small angle to said plane, said small angle being not more than five degrees.

2,578,024
METHOD AND APPARATUS FOR IMPREGNATING ELECTRICAL INSTRUMENTALITIES
Alwin G. Steinmayer, Milwaukee, and Edwin A. Link, South Milwaukee, Wis., assignors to McGraw Electric Company, a corporation of Delaware
Application July 31, 1946, Serial No. 687,332
16 Claims. (Cl. 226—70)

4. An apparatus for impregnating an encased electrical instrumentality comprising an oven for the reception of said electrical instrumentality, means providing temporary communication with the interior of the casing of the electrical instrumentality, means for producing a vacuum within the casing through said first mentioned means, and means for conducting a dielectric into the casing through said first mentioned means while the vacuum is maintained through said first mentioned means.

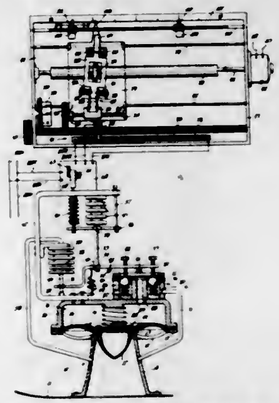


2,578,025
PRINTING TELEGRAPH SYSTEM
Alfred A. Sweeny, Denver, and Maurice F. Sweeny, Silt, Colo.
Application November 18, 1949, Serial No. 128,158
1 Claim. (Cl. 178—15)



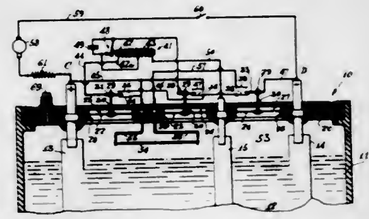
A device for transmitting intelligence from and to either of two spaced stations comprising; in combination, a set of keys, one for each character to be transmitted, a source of electric current having one pole grounded, a stationary switch contact associated with each key, all of said contacts being electrically connected with the ungrounded pole of the electric current supply, two electrically insulated contacts associated with each key for movement towards and away from the stationary contact, a shaft mounted for rotation, means comprising electric motors for turning the shafts in the two stations in exact synchronism, a disk at the end of the shaft, said disk having the characters to be transmitted arranged in angularly spaced relation in a circular zone, the characters having transparent outlines, the shaft having a plurality of electrical contacts supported thereby for conjoint rotation therewith, each contact moving in a separate circular path, there being one contact for each character, a brush positioned in the path of each contact, the brushes and contacts being so arranged angularly about the shaft that electrical connection between the contacts and brushes will take place successively at angular intervals equal to 360° divided by the number of characters, a strobotron positioned to throw a beam of light onto that zone of the disk containing the characters, a slip ring on the shaft, conductors electrically connecting all of the electrical contacts with the slip ring, one of the two contacts associated with each key being electrically connected with one of said rotatable contacts, the brushes, the strobotron and the characters on the disk being so arranged that when key is depressed and the brush corresponding to said key comes into engagement with the corresponding rotating contact the character on the disk corresponding to the key connected with the contact will be positioned to be illuminated by light from the strobotron, a relay coil having one end connected with the slip ring and the other end grounded, a condenser having one side grounded, a resistance connected with the other side, the other end of said resistance being normally connected with the ungrounded pole of the electric current source, means comprising said relay coil for breaking connection between the resistance and the electric source and connecting the resistance to ground whereby the condenser will discharge through the resistance, the relay simultaneously connecting the ungrounded end of the coil directly to the ungrounded pole of the electric source thereby locking the relay during the time the key is depressed, the relay unlocking and returning to its normal position when the key is released, whereby the condenser is connected across the current source, a modulator connected in parallel with the resistance, the modulator serving to transmit a modulated electric wave to the other station for activating the strobotron, a sensitized tape mounted for movement adjacent the rotating character containing disk, to receive light passing through the corresponding character, and means for shifting the tape when the key is returned to normal position.

2,578,026
CONTROL APPARATUS
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 1, 1945, Serial No. 614,086
10 Claims. (Cl. 98—1.5)



1. In an aircraft having a cabin supplied with air under a pressure higher than that of the surrounding atmosphere, means for controlling the air pressure within said cabin comprising, in combination, diaphragm valve means for controlling the flow of air from said cabin, pilot valve means for controlling the action of said diaphragm valve means, differential pressure responsive means for actuating said pilot valve means upon the attainment of a predetermined differential between the cabin pressure and atmospheric pressure, movable means responsive to the absolute pressure of the cabin for actuating said pilot valve, adjustable motor means for adjusting said absolute pressure responsive means, electrical means for controlling the operation of said motor means, motor driven means for adjusting said electrical means, adjustable stop means for limiting the amount of adjustment of said motor driven means, and manually controllable means for adjusting the rate of adjustment of said motor driven adjusting means.

2,578,027
STORAGE BATTERY CHARGING SYSTEM AND METHOD
Robert L. Tichenor, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application March 15, 1948, Serial No. 14,953
33 Claims. (Cl. 320—46)

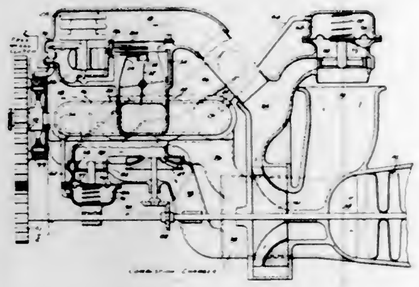


28. In combination with a storage battery: a charging circuit connected to said battery for charging the battery by the taper-current method; a load circuit for the battery adapted when connected across the battery, while the battery is connected to said charging circuit, to limit the charge of the battery to a predetermined value; and means automatically controlled by the pressure in the battery and according to the state of charge of the battery for causing said load circuit to be connected intermittently across the battery for lesser percentage time durations when said battery is in at least a partially discharged condition and greater percentage time durations when said battery becomes nearly fully charged.

2,578,028
THROTTLE CONTROLLED CARBURETOR PRODUCING A RICH MIXTURE FOR AN EXHAUST TURBINE
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application January 31, 1947, Serial No. 725,532
11 Claims. (Cl. 60—13)

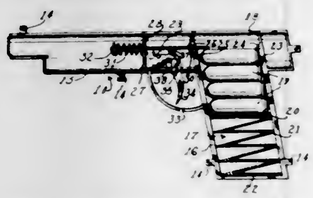
10. A power plant for an automotive vehicle combining an internal combustion engine, a gas turbine, mechanical coupling means therebetween including a free-wheeling mechanism so that the gas turbine can drive the engine but the engine can not drive the gas turbine, a supercharger driven by said gas turbine and adapted to supply air under pressure to said first engine, a combustion chamber for the gas turbine, a connection from the exhaust from said first engine to said combustion chamber, a passage from the air entrance to said engine direct to said combustion chamber,

automatic barometric means responsive to an increase in the pressure in the air entrance to said



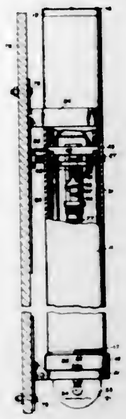
first engine to enrich the fuel/air mixture so that the exhaust gas from the engine is combustible.

2,578,029
TOY PISTOL
Leonard Ahmanson, Washington, D. C.
Application February 8, 1951, Serial No. 210,042
1 Claim. (Cl. 124—16)



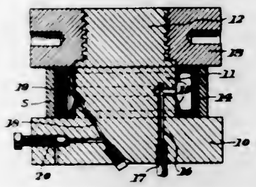
A toy pistol comprising a pair of sections connected together to define a hollow handle having a cartridge chamber therein, a barrel projecting forwardly from said handle and connected thereto, an arcuate trigger guard connected to said barrel and handle, a plurality of cartridges arranged in superimposed relation in said chamber, a plate movably mounted in said chamber and engaging the lowermost of said cartridges, a spring member for normally urging said plate upwardly in said chamber, a pointed tooth secured in said chamber adjacent the upper end thereof for engaging the rear ends of said cartridges, there being an opening on the top side of the pistol for the discharge therethrough of the ejected cartridges, there being a wall arranged rearwardly in said barrel and provided with an opening, a partition arranged in spaced relation forwardly of said wall and provided with an opening for registering with the opening in said wall, a rod slidably disposed in said openings and having the rear end thereof normally disposed in said chamber and above the cartridges for retaining said cartridges in said superimposed relation, said rod having a shoulder to abtu against said wall to limit the rear movement of said rod, a coil spring circumposed on said rod and connected to the forward end thereof and to said partition for urging said rod to said normally disposed position, a lug pivotally connected to the bottom of said rod, a trigger pivotally connected to said barrel and having its upper end engaging said lug, and a coil spring having one end connected to said barrel and its other end connected to the upper front portion of said trigger.

2,578,030
MARINE SAFETY LIGHT
Paul J. Ambrose, Silver Spring, Md.
Application August 2, 1948, Serial No. 42,097
8 Claims. (Cl. 9—8.3)



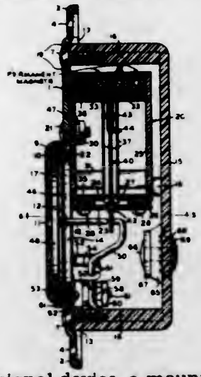
1. In a marine safety light of the character described, a sleeve member, a lamp carried by said sleeve member, said sleeve member being formed with an opening, a dry cell telescopically positioned in said sleeve member, means secured to said dry cell engaging the edge of said opening and limiting axial movement of the dry cell in one direction, abutment means secured in the sleeve member and engaging the dry cell to limit axial movement of said cell in the opposite direction, a gravity-operated switch mounted on said abutment means, and circuit means, including said gravity-operated switch connecting said lamp to the dry cell.

2,578,031
APPARATUS FOR TRANSVERSELY TESTING CYLINDRICAL MEMBERS
Richard Aubrey, Jr., Boardman Township, Mahoning County, and Alfred Allen Chambers, Youngstown, Ohio, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio
Application November 30, 1946, Serial No. 713,210
10 Claims. (Cl. 73—88)



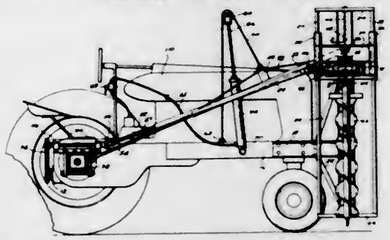
1. Apparatus for testing a cylindrical test piece, comprising a base, an upwardly extending cylindrical stud on the base, said stud having a body portion and a reduced upper threaded portion, a nut on said threaded portion, an annular gasket of expansible material surrounding the body portion of said stud and lying entirely between and engaging the faces of said base and nut, and means for admitting fluid under pressure to the interior of said annular gasket.

2,578,032
VARIABLE PERCUSSION HERMETICALLY SEALED ELECTROMAGNETIC CALL-SIGNAL DEVICE
Roy W. Augustine, Oak Park, and Joseph F. Houdek, Jr., Chicago, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application May 20, 1949, Serial No. 94,378
10 Claims. (Cl. 177—7)



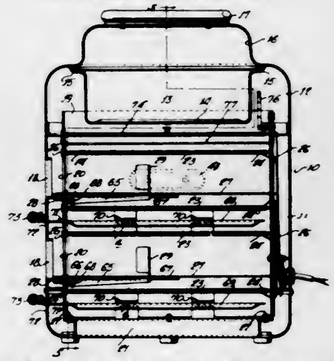
1. In a call-signal device, a mounting plate and a housing sealingly fixed together to define a closed chamber, said plate having an opening therethrough into said chamber, a diaphragm fixed at its periphery to said plate in covering relationship to said opening, a striker fixed with and supported on said plate within said chamber, striker-control means within the chamber responsive to the flow of electric current therethrough for moving the striker to strike a part fixed with the diaphragm.

2,578,033
POSTHOLE AUGER
Glen L. Austin and Earl B. Byrd, Happy, Tex.
Application November 8, 1946, Serial No. 708,670
4 Claims. (Cl. 255—19)



1. A post hole digging auger attachment for tractors having a power take-off means adjacent the rear end thereof consisting of a frame detachably mounted upon the front of a tractor, guides carried by said frame, a carriage vertically reciprocable upon said guides, an auger bit rotatably supported by said carriage, power means for raising and lowering said carriage, said power means including a telescopic rod and tubular member, said rod being pivotally connected to the rear end of said tractor and said tubular member being pivotally connected to said carriage, hydraulically operated means for raising and lowering said telescopic member consisting of a cylinder pivotally attached to the frame of the tractor intermediate its ends, a piston and piston rod reciprocably mounted in said cylinder, a pulley carried by said piston rod, a cable entrained over said pulley and connected at one end to said tractor frame, said tubular member having a longitudinal slot therein, a follower member slidably mounted in said slot, said other end of said cable being affixed to said follower member, a flexible tie member affixed at each end to the ends of said tubular member and engageable with the upper portion of said follower member to retain same in said longitudinal slot, and driving means connected to said power take-off and said carriage for rotating said auger bit.

2,578,034
ELECTRICAL COOKING APPARATUS
Walter C. Baltzell, Dallas, Tex., assignor of one-fifth to Charles W. Baltzell, Dallas, Tex.
Application February 15, 1949, Serial No. 76,573
4 Claims. (Cl. 99—327)

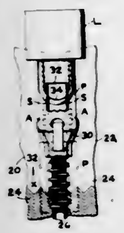


1. An electric cooking apparatus comprising a housing having vertically spaced and horizontally elongated openings in its front wall, a case within said housing having openings of similar arrangement and shape in register with the openings of said housing, a group of food supporting rails within said case and aligned with each of said openings, a slidable plate parallel with the outer face of one wall of said case, a spring resisting retraction of said plate, a food kicker plate movable longitudinally over each group of said food supporting rails, means pivoting each of said kicker plates to said slidable plate through vertically spaced, horizontal slots in the wall of said case, a pair of serrated inward carriage bars carried by each of said kicker plates, and extending forwardly between said supporting rails, an electric circuit, a heating element in said circuit above and below each of said groups of food supporting rails, a drip pan also below each group of supporting rails, an adjustable timer in said circuit for predetermining the duration of energization of said heating elements, means releasable by said timer for holding said slidable plate, kicker plates and inward carriage bars in retracted position preparatory to a forward thrust and means to effect downward displacement of said inward carriage bars at the end of their forward thrust.

2,578,035
LOCKABLE SLIDE FASTENER
Albert Bashover, Newark, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application March 9, 1949, Serial No. 80,367
17 Claims. (Cl. 70—68)

1. In combination, flexible slide fastener stringers having a top end and a bottom end, a

slider movable from the bottom to the top end of said stringers to close the stringers, an apertured pull on the slider for operating the same, a staple at the top end of the stringers over which the pull acting as a hasp is received preparatory to passing the shackle of a padlock through the staple in order to anchor the slider at the top end of the stringers to prevent unauthorized opening movement toward the bottom end of



the stringers, stiffening means secured to one or both of said stringers immediately below the top end of the stringers, said stiffening means having a cross-section dimensioned to be received within the slider and having a length adequate to prevent snaking of the stringers upwardly through the slider to form an unauthorized opening while the slider remains anchored in position relative to the top end of the stringers by the aforesaid lock means.

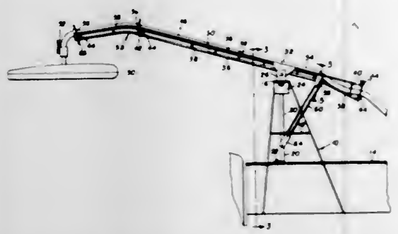
2,578,036

DEVICE FOR FUELING LARGE AIRCRAFT

John A. Berke, Dallas, Tex.

Application February 27, 1947, Serial No. 731,322

1 Claim. (Cl. 222—536)



An aircraft fueling attachment comprising a stand having means for securing said stand to a fueling truck, a boom, means for swivelly securing said boom to said stand, means for pivotally securing said swivel means to said boom, resilient means for biasing and opposing the operation of said boom, a conduit, rollers secured to said boom for rollingly supporting said conduit in said boom, a valve in said conduit, means disposed at the front end of said boom for locking said boom in a selected position relative to pivotal movement, said swivel securing means including a substantially U-shaped bracket, a pin depending therefrom, said pin being journaled in said stand, said pivotal securing means including plates secured to said boom, and a stub shaft extending through said plates and the legs of said U-shaped member, and said resilient biasing means including a spring secured to said stand and said boom and stretched over one of said rollers.

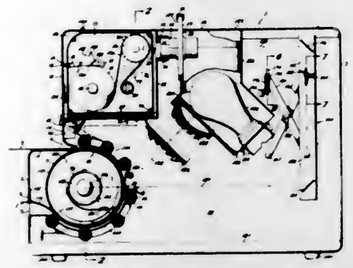
2,578,037

MICROFILM CAMERA

Emmanuel Berlant, Culver City, Calif., assignor to Berlant Associates, Los Angeles, Calif., a partnership

Application May 17, 1947, Serial No. 748,735

3 Claims. (Cl. 88—24)



1. A micro-film camera having a film feeding means, a motor for driving said means, and an electrically controlled clutch between said motor and means, positioning means for copy material, a photosensitive device adjacent said positioning means, a source of light for energizing said device, said device being arranged to control operation of said clutch and being so positioned that copy material on said positioning means will intercept light from said source whereby said device will operate said clutch to establish a driving connection between said motor and film feeding means, said source of light being also arranged to illuminate said copy material when on said positioning means and a film supply means for said camera, a film actuated switch, a signal light, said signal light being arranged in a circuit under the control of both said photosensitive means and said film actuated switch whereby said light is energized when copy material is on said positioning means and film is in said supply means but extinguished in the absence of film from said supply means or of copy material from said positioning means.

2,578,038

HOOKED RUG MAKING DEVICE

Joseph A. Bolger, Philadelphia, Pa.

Application February 27, 1950, Serial No. 146,532

3 Claims. (Cl. 112—80)



1. In a hooked rug making device, the combination of a frame comprising a vertically elongated strap having a horizontally angulated lower end portion adapted to engage the work and provided with an opening, a handle at the upper end of said frame, a rotatable actuating crank mounted intermediate the ends of said strap, a portion of the strap below said crank being provided with a vertical slot, a reciprocable carrier comprising a second relatively short strap disposed at one side of the first-mentioned strap and having detent means thereon extending through said slot whereby the carrier is vertically slidable on the frame, an arm operatively connecting said crank to said carrier for reciprocating the latter, a clamp provided on said carrier, a vertically elongated needle frictionally held in said clamp and projectable through said opening, a fulcrum pin provided on the lower portion of said frame, an oscillatory work-engaging shoe mounted on said fulcrum pin and having a lower edge portion provided with a set of work engaging teeth, a stud provided on said carrier, and a link operatively connecting said stud to said shoe, whereby the latter may be oscillated by reciprocation of the carrier.

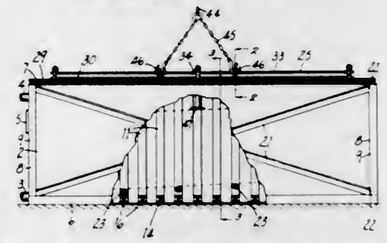
2,578,039

TANK FOR USE IN IMPREGNATING WOOD

Gordon H. Bonnell, Arthur J. Bailey, and Gardner G. Garlick, Kalamazoo, Mich., assignors to Protection Products Manufacturing Company, Kalamazoo, Mich.

Original application November 21, 1946, Serial No. 711,436. Divided and this application February 12, 1948, Serial No. 7,825

8 Claims. (Cl. 21—65)



1. In a tank for impregnating materials, the combination of bottom frame side and end members of angled section disposed with their angles facing inwardly, top frame side and end members of angled section disposed with their angles facing outwardly, the top frame constituting a cover gasket seat, corner uprights extending from said top and bottom frame members and comprising facing pairs of angle section welded together at their edges, a plurality of side and end ribs of I section disposed in spaced relation with their ends in abutting relation to the horizontal flanges of the top and bottom frame members and welded thereto, bottom ribs of I section disposed with their ends abutting the lower ends of the side ribs and welded thereto, bottom side and end wall panels disposed on the outer sides of the bottom, side and end ribs and with their edges in abutting relation to the bottom and top frame members and corner uprights and welded thereto, diagonally disposed reinforcing and supporting bars arranged on the outer sides of the side wall panels, a cover comprising downwardly and outwardly facing side and end frame members of angle section, a cover panel arranged on said frame members, longitudinal and transverse reinforcing bars arranged on the outer side of said cover panel, hinge members carried by said tank and having a swinging element extending slidably through said cover to form a slip connection to said cover whereby the cover is supported for swinging and for vertical movement relative to the top frame of the tank, and adjustable positioning studs on said cover coacting with said tank top frame.

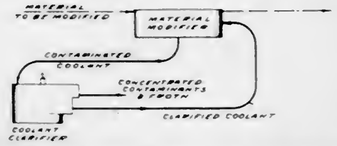
2,578,040

METHOD OF AND CIRCUIT FOR MATERIAL MODIFICATION AND COOLANT CLARIFICATION

Robert Ben Booth, Springdale, and Norman Morash, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application September 3, 1942, Serial No. 457,190

7 Claims. (Cl. 15—21)



1. A continuously-operating, self-cleaning, material-modifying circuit comprising the combination of a material-modifying means, adapted to physically modify a solid material in the presence of a liquid coolant whereby in the normal operation of said means said coolant becomes contaminated, with a coolant-clarifying circuit, adapted to remove said contaminants from said coolant; the combination being characterized in that said coolant-clarifying circuit combines a treating vessel adapted to hold a substantial body of coolant; conduit means adapted to introduce used coolant into said vessel; agitating and aerating means positioned within said vessel, adapted to produce a multiplicity of small bubbles in the coolant in said vessel, the normal rise of said bubbles through said coolant resulting in concentration of a major portion of the contaminants in an upper layer in said vessel; means adapted to remove said contaminant-bearing upper layer from said vessel; means adapted to remove treated coolant from said vessel and conduit means adapted to return removed coolant to said material-modifying means.

7. The method of continuously clarifying and restoring to condition for continued reuse a used lubricating coolant, consisting of a water-insoluble, water-immiscible oil material contaminated with metallic and non-metallic solid particles and exhibiting substantially no tendency to form a supernatant froth layer containing said solid contaminants when subjected to aeration and agitation; which method comprises the steps of admixing said used coolant with water; establishing a fixed volume of the resultant coolant-water mixture; continuously and simultaneously subjecting said body of mixture to aeration and intense agitation, whereby a supernatant froth layer is formed on said body and substantially all the solid contaminants rise through said body and are concentrated in said froth layer removing contaminant-bearing froth from said froth layer at substantially the rate at which said froth layer is being formed, withdrawing substantially contaminant-free coolant-water mixture from said body, at a level below said supernatant layer; adding to said body, at a level below that at which clarified mixture is withdrawn, additional amounts of contaminated coolant and water; maintaining the rates of removal of clarified coolant-water mixture and addition of water and contaminated coolant substantially constant and such that the average period of dwell of fluid in said body is sufficient to allow substantially all said solid contaminants to be concentrated in said froth layer and such that the total volume of said body of coolant-water mixture plus said contaminant-bearing froth layer remains substantially constant; separating said removed

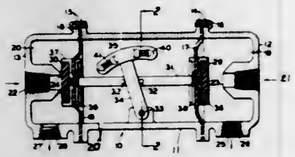
clarified coolant-water mixture into separate oil and water layers and collecting the separated oil layer.

2,578,041
ARTIFICIAL BAIT
Thomas E. Candioto, New Castle, Pa.
Application August 25, 1948, Serial No. 46,046
2 Claims. (Cl. 43—42.44)



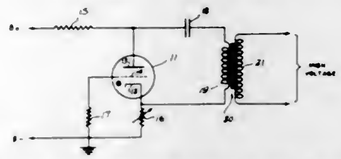
1. An artificial bait comprising an elongated cylindrical body having a longitudinal and uniform diameter bore therein, a shaft extending through the bore for rotatably supporting the body, said body having a recess in one side intersecting the bore, said recess comprising a notch including a rearwardly sloping surface, and a fish hook positioned in the recess and having an eye at its inner end for rotation on the shaft with the body and having its shank bent in a rearwardly inclined position adjacent the eye to provide the shank with a relatively short inner end portion and a relatively long outer end portion supported in a rearwardly inclined position on said sloping surface with the bill of the hook projecting outwardly from the body, said short inner end portion of the shank engaging the body in the region of the bore to hold the shank on said sloping surface.

2,578,042
AUTOMATIC CHANGE-OVER AND INDICATOR VALVE
Alanson W. Chandler, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 26, 1948, Serial No. 61,937
5 Claims. (Cl. 62—1)



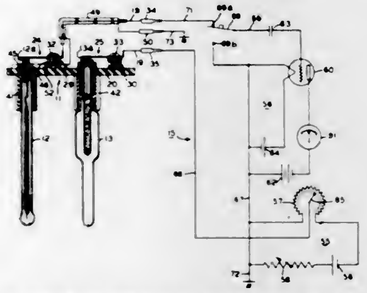
5. In a liquefied gas system, a completely automatic changeover valve mechanism comprising in combination a body member and two pressure responsive diaphragms, said diaphragms being disposed in said body member so as to divide said body member into two terminally disposed pressure chambers and a centrally disposed chamber, said diaphragms being rigidly interconnected by a longitudinally movable cross member; each of said pressure chambers having an inlet port terminating as a valve seat, and an outlet port; and each of said diaphragms having associated therewith a resilient valve sealing member disposed in cooperative relationship with one of said valve seats so as to close one valve when the force applied to the diaphragm of the valve to be closed is less than the force applied to the other diaphragm; and an indicator arm having one end pivoted to said body member, said arm being movably attached to said movable cross member and being adapted to move therewith to indicate the open inlet port.

2,578,043
ELECTROVIBRANT HIGH-VOLTAGE SUPPLY
Alexander C. Christy, Morgantown, W. Va.
Application December 28, 1948, Serial No. 67,742
5 Claims. (Cl. 250—36)



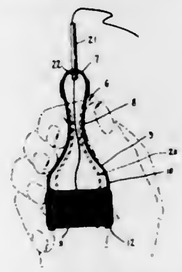
1. A high voltage generator of the character described comprising a gaseous conduction triode, a source of direct current potential, nonreactive means connecting the plate of said triode to the positive terminal of said source, means connecting the grid of said triode to the negative terminal of said source, a grid-biasing resistor connected between the cathode of said triode and said negative terminal, and a reactive circuit connecting the plate to said cathode, said circuit including a condenser and the primary of a step-up transformer connected in series, whereby initially the charging current charging the condenser flows through said resistor and provides a bias preventing the triode from conducting, said bias being removed when the condenser becomes charged, allowing the triode to conduct, and causing the condenser to discharge through said primary, the discharge current producing a high induced voltage in the secondary of said step-up transformer.

2,578,044
ELECTRODE STRUCTURE
Edwin D. Coleman, Maywood, Ill.
Application June 28, 1947, Serial No. 757,743
7 Claims. (Cl. 204—195)



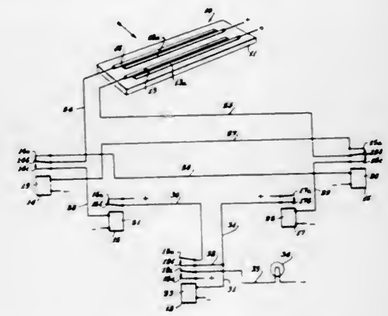
6. A portable electrode structure for ion measurement comprising a body of insulating material having an enclosed chamber and a bottom opening communicating with said opening, a ring of electrically conductive material fixed to the body within said opening forming an electrical guard ring, an electrode mounted on said body and insertable upwardly into said bottom opening, means acting between said body and said electrode for releasably securing the electrode in said opening, an electrical connecter mounted in said chamber for engagement by said electrode upon insertion thereof into said opening, a shield mounted in said chamber for shielding said connector, a flexible cable, and means for affixing the cable to said body, said cable including insulated electrical conductors for attachment to a measuring instrument, one of said conductors being electrically connected to a terminal of said electrode and a second of the conductors being electrically connected to said guard ring and encircling the first-mentioned conductor substantially throughout the length of the latter, said second conductor and the guard ring being adapted to be connected to a potential of the same value as that to be measured whereby to prevent leakage between the respective parts at the instant of taking the measurement.

2,578,045
FLY TYING DEVICE
John S. Conrad, Sturbridge, and Othmar C. Franz, Southbridge, Mass.
Application January 6, 1950, Serial No. 137,257
4 Claims. (Cl. 242—136)



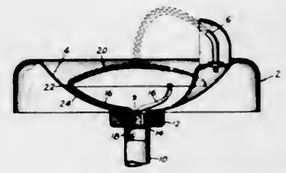
1. A hand-carried spool holder for aiding in winding fish lures comprising a strip of relatively thin resilient material formed to produce spaced portions with relatively smooth substantially parallel edges integrally joined adjacent one end thereof by a relatively narrow intermediate portion having an opening therein and curved along a relatively short radius to form a U-shaped member with a curved base portion and relatively long spaced side portions, a tubular member secured in alignment with said opening of said curved base portion with its longitudinal axis disposed in a direction longitudinally of the side portions, said side portions, from adjacent the opposed sides of the curved base portion, being spaced apart a distance no greater than the width of the curved base portion and thence joining with outwardly extending portions which in turn blend into rearward bent portions terminating in spaced substantially straight portions having relatively smooth curved ends, said straight portions having their side walls struck inwardly to form inwardly disposed integral cone-shaped projections with the axes of the cones being substantially concentric with the curved ends and with said straight portions normally having an initial set relation which is such as to exert an inherent resilient gripping action on a spool when positioned between said portions and in pivotal relation with the cone-shaped projections, said cone-shaped projections being of a size so controlled that when positioned within the opposed ends of the opening in the spool the ends of said spool are spaced from said straight portions whereby the spool is normally free to rotate on the cones and said portions spaced apart a distance no greater than the width of the curved base portion being so shaped as to provide a gripping area whereby varying pressure exerted by the hand of the operator at said area, during the use of the device, will provide a manually variable control for regulating the tension on the thread as it is drawn from the spool through the tubular member.

2,578,046
VEHICLE DETECTING DEVICE
Benjamin Cooper, New York, and Stanley A. Kroll, Brooklyn, N. Y.; said Kroll assignor to said Cooper
Application July 21, 1950, Serial No. 175,133
9 Claims. (Cl. 177—311)



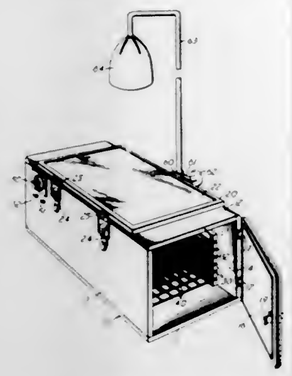
1. In combination with a treadle, comprising a set of two switches adapted to be closed in sequential order by the wheels of a vehicle rolling thereover, an electrically operated indicator means, a circuit connecting said switches with said indicator means, including means, operable upon actuation and de-actuation of said switches sequentially and concurrently in one direction, to energize said indicator means and retain the same in energized condition, and means operable upon actuation and de-actuation of said switches sequentially and concurrently in the opposite direction, to de-energize said energized indicator means.

2,578,047
BUBBLER OUTLET AND DEFLECTION PLATE FOR WATER COOLERS
James J. Corey, Elmhurst, N. Y.
Application September 21, 1946, Serial No. 698,548
4 Claims. (Cl. 299—8)



1. In a water cooler, the combination of, a top portion having an integral circular basin formed therein with a water outlet opening at the bottom, a deflection plate having an upwardly convex stream-deflecting surface centrally positioned within said basin with its periphery adjacent to but slightly spaced from the basin wall whereby a substantially annular slot is provided through which water may flow from the deflection plate into the basin, a strainer cup positioned in said water outlet opening, a plurality of arms fixed to said strainer cup and extending radially outwardly and fixed at their outer ends to said deflection plate thereby to provide support for said deflection plate, and a bubbler spout mounted to direct a stream of water upwardly from the side of said basin in such a manner that it will fall on said deflection plate unless intercepted.

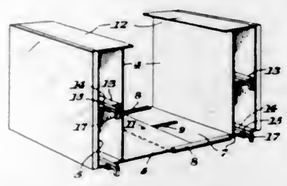
2,578,048
COMBINED PRINTER AND DRIER FOR PLANOGRAPHIC PRINTING PLATES
Robert A. Dalton, Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application June 4, 1949, Serial No. 97,194
3 Claims. (Cl. 95—73)



1. A portable printer comprising a copy table formed by a top wall, a front and a back depending in spaced relation from the front and rear edges of said copy table, end closures below said top and at the end of said top, front and back, a printing frame mounted on top of said copy table, hinge means connecting said printing frame to said back below the upper surface of said copy table, a clamping support mounted on an intermediate portion of said back below said copy table projecting rearwardly from the back, a tubular lamp support mounted in said clamping support in the rear of said back at the lower end, extending vertically above said clamping support and having a bend portion at the upper end extending forwardly over said copy table with a lamp depending from the free end thereof, said lamp support positioning said lamp at a distance above said copy table sufficient to have said printing frame freely movable without obstruction from engagement with said copy table to engage and rest against said lamp support in open position, and latch means on said front below said copy table for engaging and retaining said printing frame in sheet holding position in engagement with said copy table, said hinge means, lamp support, clamping supporting and latch means being located below said copy table to leave free and unobstructed access to said copy table from the ends and front of said printer for convenient manipulation of sheet material in being placed and removed from said copy table, and said assembled structure forming a small portable unit for support on a desk, table or the like in normal use.

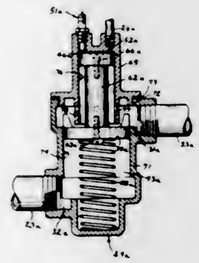
2,578,049
REFRIGERATION DEVICE
William R. Dapprich, Mount Lebanon, Pa.
Application December 9, 1946, Serial No. 715,013
9 Claims. (Cl. 62—89)

1. A refrigeration device comprising means forming opposed compartments for receiving articles to be refrigerated and means for mounting said first mentioned means upon the freezing compartment coil of a refrigerator with portions of said first mentioned means immediately adjacent the coil at opposite sides of the coil whereby the compartments formed by said first



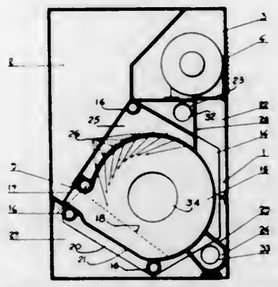
mentioned means are adapted to be maintained at sub-freezing temperature.

2,578,050
AUTOMATIC AIR VOLUME CONTROL FOR LIQUID SUPPLY SYSTEMS
Elmer M. Deters, Davenport, Iowa, assignor to Red Jacket Manufacturing Co., Davenport, Iowa, a corporation of Iowa
Application May 6, 1946, Serial No. 667,713
3 Claims. (Cl. 222—401)



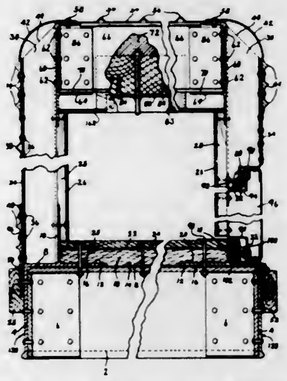
1. The combination in a water supply system having a pressure storage tank and a service line of a casing having a first cylinder and an inlet port and an outlet port associated with opposite ends of said cylinder, said ports adapted to be connected into said service line, a piston in said first cylinder, said casing having an air chamber comprising a small cylinder axially aligned with the first-mentioned cylinder, a small piston reciprocably mounted in said small cylinder and connected to the first piston, said air chamber having an air outlet port adapted to communicate with said tank and having an air inlet, said inlet being open in response to sub-atmospheric pressures in the chamber and closed at all other times, said casing having apertured means effecting communication between said air chamber and said inlet port when said small piston is moved to one position, the pistons being dimensioned and positioned whereby said pistons are movable a predetermined amount in response to pressure differential existing between said inlet and outlet ports to draw a predetermined volume of air into said air chamber before liquid flows between said inlet and outlet ports followed by said first piston overrunning said outlet to permit flow of liquid from said inlet to said outlet followed by said small piston moving to a position to place said air chamber and said inlet in communication through said apertured means to admit high pressure liquid to the top of said small piston.

2,578,051
SOLID FUEL FURNACE
Anders Gunnar Edvinsson, Lerum, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden
Application July 22, 1947, Serial No. 762,612
In Sweden July 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 3, 1963
3 Claims. (Cl. 110—29)



1. In a furnace for solid fuel, means forming a combustion chamber of uniform cross-section having side walls and end walls, a slanting grate lying substantially in a plane in the lower portion of said combustion chamber, means for supplying primary combustion air through said grate, a fuel charging opening in one of said side walls, said chamber having a plurality of openings for supplying secondary combustion air to said chamber, said air openings being directed tangentially with respect to an imaginary cylindrical surface within said chamber, the axis of said imaginary cylindrical surface being substantially parallel to said side walls and to the plane of said grate, and an outlet opening in one of said end walls for combustion gases from said chamber.

2,578,052
LOAD SUSPENDING VEHICLE BODY
John Evanoff and Harry L. Castino, Dishman, Wash., assignors of one-fourth to Abner M. Ingebretson, Dishman, Wash.
Application November 25, 1946, Serial No. 712,208
2 Claims. (Cl. 296—28)



1. In load-suspending means forming part of a vehicle body-frame, the combination with a base frame, and two rows of longitudinally spaced Z-posts rigid therewith, of a longitudinal stringer uniting the upper ends of each row of posts, a lower horizontal shelf integral with each stringer, longitudinally spaced I-beams each having two spaced webs and mounted on the two shelves, angle plates riveted at their ends to the two stringers and to the spaced webs, a timber mounted within and bolted to the webs of the beams, and a suspending eye-bolt mounted in the timber.

2,578,053
PIPERAZINE OXIDES AND METHOD OF PREPARING THE SAME
John J. Denton, Bound Brook, and Hugh W. Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 5, 1950, Serial No. 188,642
8 Claims. (Cl. 260—268)

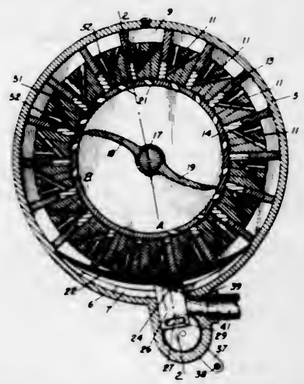
1. 1-di-lower-alkylcarbamyl-4-methyl - piperazine mono-oxides.

5. A method which comprises reacting a 1-di-lower-alkylcarbamyl-4-methyl piperazine with peroxides in the presence of a non-acidic polar solvent and recovering a 1-di-lower-alkylcarbamyl-4-methyl piperazine oxide therefrom.

2,578,054
EXTRACTIVE CRYSTALLIZATION PROCESS
Lloyd C. Fetterly, Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 13, 1947, Serial No. 791,659
11 Claims. (Cl. 260—666)

1. In a process for the formation of crystalline molecular complexes of urea and straight-chain hydrocarbons wherein an aqueous urea solution and a petroleum lubricating oil containing a substantial proportion of said straight-chain hydrocarbons are contacted to form said crystalline molecular complexes and wherein the pH of said aqueous urea solution tends to increase above 9.5, the improvement which comprises adding an amount of acetic acid sufficient to maintain the pH of said aqueous urea solution below 9.5.

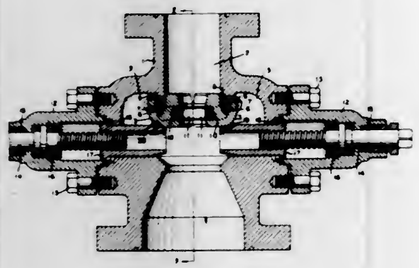
2,578,055
FLUID DRIVE
Alexander Frank, Palo Alto, Calif.
Application August 11, 1948, Serial No. 43,599
1 Claim. (Cl. 103—120)



In a device of the character described a housing, an annular-shaped driven rotor positioned

in said housing, a cage positioned within said rotor and having its outer surface in close proximity to the inner surface of said rotor, said cage having openings formed therethrough whereby fluid entering said cage may pass therethrough, radial bores formed in said rotor to receive fluid from said cage for discharge between the outer surface of said rotor and said housing, said housing having an offset portion formed therein, a flexible deflector mounted in said offset normally having its medial portion engaging the outer surface of said rotor, radial blades carried by said rotor and capable of engaging said deflector for sliding movement into said rotor, a valve secured to said deflector, means for moving said deflector away from said rotor, said housing having a discharge port communicating therewith, said valve having sliding engagement with said port whereby movement of said deflector away from the periphery of said rotor will cause a gradual closing of said port and the simultaneous by-passing of fluid past said deflector.

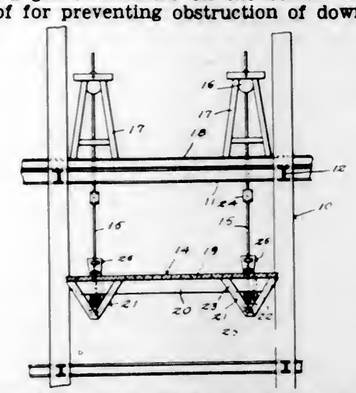
2,578,056
COMBINED TUBING HEAD AND BLOWOUT PREVENTER
Walter P. French, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas
Application January 30, 1948, Serial No. 5,352
6 Claims. (Cl. 285—22)



1. In combination, a tubular well head shaped to receive a pipe therethrough, complemental, arcuate blowout preventer sections pivotally mounted within the head and movable on transverse axes into active position to surround said pipe and movable on said axes to inactive position to clear the pipe passageway and transversely movable means mounted in the head and co-acting with the sections for controlling pivotal movement of said sections.

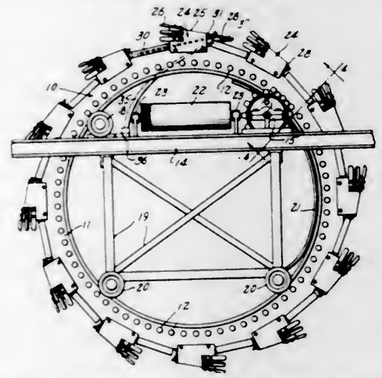
2,578,057
APPARATUS FOR MOLDING CONCRETE FLOOR SLABS
Manuel Gonzalez Flores, Mexico City, Mexico
Application October 21, 1948, Serial No. 55,662
In Mexico November 1, 1947
1 Claim. (Cl. 25—131.5)

Form means for pouring concrete in a structure having parallel spaced apart horizontal and vertical frame members, comprising a form member loosely engaging between adjacent ones of said vertical frame members, a beam mounted upon upper horizontal frame members, extensible tie rods depending from said beam and connected to said form member, tapered shields disposed about said tie rods at the lower ends thereof, said form member being provided with inwardly inclined guide members on the bottom surface thereof for preventing obstruction of downward



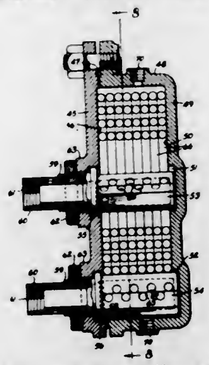
movement thereof by the horizontal frame members, and means for lowering said form members.

2,578,058
CLOSURE OPERATOR FOR DITCHING WHEEL BUCKET BACKS
Dempsey Elzy Graham and Lattrell Graham, Amarillo, Tex.
Application October 3, 1947, Serial No. 777,812
3 Claims. (Cl. 37—97)



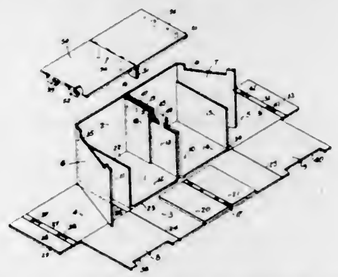
1. In an excavating machine including a supporting frame structure, a ditching wheel including a pair of spaced annular side walls, supporting and driving means for rotating said wheel structure, a bottom guide plate attached to the supporting frame structure following the annular walls upwardly, and conveyor means beyond and below the upper end of said guide plate, a plurality of excavating buckets on said ditching wheel comprising curved plates with their ends secured to said spaced annular walls of the ditching wheel flaring outwardly in their forward directions with forward excavating edges, bucket backs hinged to the outermost rear ends of the bucket plates and normally closing said ends of the buckets and the space between the said annular walls of the ditching wheel, spring means for retaining said swinging bucket back members in said normally closed positions, said springs comprising helical compression springs, cylindrical housings for said springs secured to the ditching wheel annular walls forward of and at the sides of the buckets and cables connected to the forward ends of the springs, extending therethrough and secured to the bucket swinging backs at their rear ends.

2,578,059
HEAT INTERCHANGER
Harold M. Graham, Kenmore, N. Y., assignor to Graham Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application May 29, 1945, Serial No. 596,428
2 Claims. (Cl. 257—229)



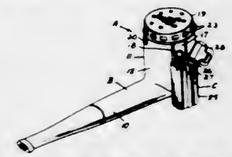
1. In a heat interchanger, the combination of a housing having a supporting plate formed with a flat smooth wall portion on the inner side thereof, a cover having a flat smooth wall portion in spaced parallel relation to said supporting plate wall portion, manifolds detachably mounted on said housing and extending transversely between said wall portions of said cover and supporting plate, a plurality of tubular spiral conduits each having a plurality of convolutions lying in a plane parallel to said wall portions with opposite sides of each conduit having direct contact with each other and said wall portions throughout substantially the entire length thereof, alternate conduits having the free end portions secured to said manifolds in offset relation to intermediate conduits, and flange means forming part of said housing connecting said cover and supporting plate having an effective transverse dimension less than that of said conduit means whereby each conduit is compressed into deformed relation under pressure into sealing engagement with said wall portions when said flanges are secured together in housing sealing relation.

2,578,060
EGG CASE
Jesse R. Grant, Chicago, Ill.
Application February 21, 1946, Serial No. 649,211
9 Claims. (Cl. 229—15)



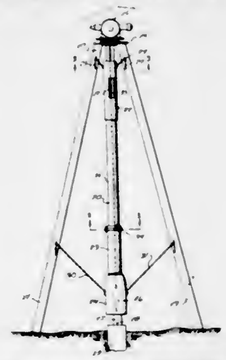
1. The combination in a fibreboard shipping case for eggs of a bottom composed of two thicknesses of material, sides composed of one thickness of material, ends composed of four thicknesses of material and a partition composed of four thicknesses of material and fastened to said sides and bottom, and a cover composed of one thickness of material and having projections adapted to register with said ends and partition, and laterally extending bosses within said ends and partition and engaging ears on said projections for locking said cover to said ends and partition to close the case.

2,578,061
COMBINATION TOBACCO PIPE AND IGNITER
Morris J. Greenblatt, Jacksonville, Fla.
Application February 4, 1949, Serial No. 74,605
4 Claims. (Cl. 131—185)



1. In a combined tobacco pipe and tobacco igniter, a pipe portion including a bowl having an outer surface, a tobacco chamber, a pipe stem, said stem provided with an opening to said chamber, a chamber mouth and an ignition passageway extending from said outer surface to said chamber and disposed below said mouth and above said opening, said passageway having an outer mouth; and an igniter portion, including a housing; retaining means carried by said bowl and said housing slidably mounting said housing upon said bowl; dual-function means releasably retaining said housing against accidental movement with respect to said bowl and covering the outer mouth of said passageway, when said housing is in one slidable position, and uncovering said outer mouth when said housing is in another slidable position, and means to start a fire when said housing is in the last-named position with said fire substantially within the plane of said passageway, whereby when said fire is projected through said passageway and into said chamber it will ignite tobacco within said chamber.

2,578,062
PLUMB BOB SHIELD
Harry S. Greene, Bryan, Ohio
Application March 17, 1950, Serial No. 150,179
4 Claims. (Cl. 33—216)



1. A plumb bob shield comprising an intermediate tubular member, a first tubular end member of larger diameter and shorter length

than said intermediate member telescopically receiving one end of the latter, means connected to said first tubular end member for attaching said shield to a tripod near one end of the latter, a second tubular end member of larger diameter and shorter length than said intermediate member telescopically receiving the other end of said intermediate member, and means connected to said second end member for attaching said shield to the tripod near the other end of the latter, said shield being suspended by said attaching means within the tripod to enclose a plumb bob and plumb line suspended from a tripod carried transit.

2,578,063
PROCESS OF REACTING RUBBERS WITH SULFUR DIOXIDE

Johannes Thomas Hackmann, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

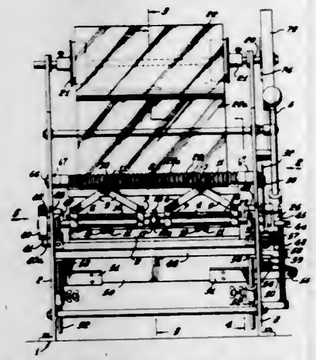
No Drawing. Application June 15, 1948, Serial No. 33,229. In the Netherlands July 17, 1947
6 Claims. (Cl. 18—54)

1. In a process wherein a solution containing a hydroperoxide and a rubbery polymer of at least one compound selected from the group consisting of the conjugated diolefins and chloroprene is injected into a coagulating bath containing available sulfur dioxide wherein the rubbery polymer reacts with the sulfur dioxide to form an insoluble filamentary reaction product which is then withdrawn from the bath, the improvement comprising providing a coagulating bath made up of an adduct of sulfur dioxide with a saturated aliphatic ketone containing between 3 and 10 carbon atoms, said bath containing from about 1 to 5% by weight of water and at least 150 grams of sulfur dioxide per liter of the bath solution.

2,578,064
CONTRACTILE REEL FOR PAPER CUTTING MACHINES

John M. Hammond, Glendale, Calif., assignor to Herman J. Minkus, Los Angeles, Calif.

Application January 5, 1948, Serial No. 489
3 Claims. (Cl. 242—111)

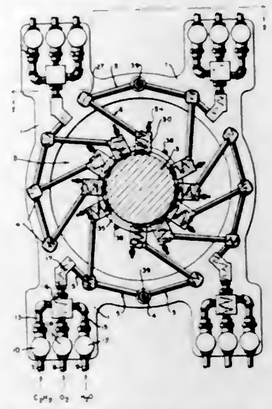


2. In a device for cutting the web from a roll of material into sheets of predetermined uniform length, a shaft, a reel on said shaft including a series of equidistant bars in parallel relation to the shaft, means for imparting step by step movement to the shaft and reel, means for uniformly adjusting the bars of said reel radially relative to the shaft, and means movable on one of said bars to project beyond the peripheral surface thereof for very fine adjustment of the reel to correct inaccuracies in the initial adjustment thereof.

2,578,065
APPARATUS FOR FLAME HARDENING ROUNDS

Howard G. Hughey, Fanwood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application March 27, 1948, Serial No. 17,445
3 Claims. (Cl. 266—4)



1. In apparatus for flame hardening a cylindrical surface of a metal body, a base member adapted to at least partially surround the metal body in spaced relation thereto, a series of torch tip supporting arms swiveled at their outer ends to said base member at a number of points spaced circumferentially of the metal body and adapted to project inwardly toward the metal body and tangentially thereof, a liquid cooled torch tip having a row of gas discharge passages arranged to extend in a direction transversely of the longitudinal direction of the workpiece and swiveled to the inner end of each tip supporting arm so that regardless of the angle at which the arms project inwardly from the base member the tips can be adjusted so that their discharge passages will cause the heating flames to be directed substantially normal to the surface of the cylindrical work-piece, and means for supplying gas and a cooling liquid to the torch tips including a gas passage and an independent cooling liquid passage extending through each tip supporting arm and through its swivel connection to said base member and also through its swivel connection to its torch tip.

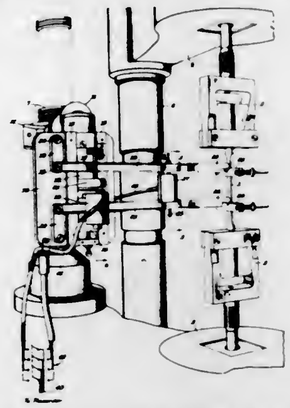
2,578,066
MULTIRANGE EXTENSOMETER

Lawrence K. Hyde, Washington, D. C., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania

Application June 23, 1950, Serial No. 169,924
5 Claims. (Cl. 73—88.5)

1. An extensometer for determining strain in the elastic and plastic ranges of a specimen, comprising, in combination, a pair of extensometer arms pivotally supported at one end thereof and their other ends being supported by the specimen whereby the arms at varying points along their length move relative to each other in proportion to the distance of said points from the pivotal

ends of said arms, a motion responsive device connected to said arms at one point thereof so as to effect a given magnification suitable for the elastic range of the specimen, a second motion responsive device also connected to said arms at a point between the pivoted ends of said arms



and said other motion responsive device so that a smaller degree of magnification can be effected for the plastic range of the specimen, and means for obtaining a substantially continuous response through the elastic and plastic ranges of the specimen by rendering said motion responsive devices sequentially operable.

2,578,067
AUTOMOBILE FISHING POLE HOLDER

John W. Jensen, Los Angeles, Calif.

Application April 14, 1949, Serial No. 87,477
2 Claims. (Cl. 224—42.45)



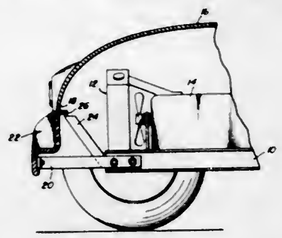
1. A fishing pole holder for detachable mounting on a vehicle, comprising in combination: a resilient arm adapted to overlie the top of said vehicle and spaced thereabove, and an opposing pair of clamp jaws at the lower end of the arm adapted to detachably engage the drain gutter of the vehicle, said arm being formed with a series of transverse sockets adapted to receive fishing poles therein and to be aligned with the corresponding sockets of a similar holder laterally spaced therefrom along said vehicle gutter so as jointly to support a fishing pole in each pair of aligned sockets.

2,578,068
COMBINED BUMPER AND GRILLE

Clarence R. Johnson, Gary, Ind.

Application October 15, 1948, Serial No. 54,702
4 Claims. (Cl. 293—63)

1. For use with an automotive vehicle which has a chassis, a combination bumper and grill, means disposed at the bottom of said combination grill and bumper for attachment to a vehicle, and a stop disposed behind said grill and

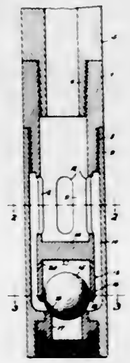


adjacent the upper edge hereof for preventing flexing movement of said combined bumper and grill beyond a predetermined limit.

2,578,069
BALL HOUSING

Arthur N. Jones, Morris, Okla.

Application September 2, 1947, Serial No. 771,671
2 Claims. (Cl. 251—121)



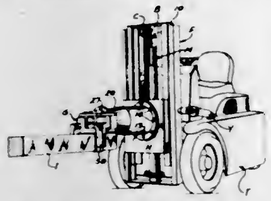
1. A check valve for insertion between co-axial lengths of pump tubing comprising an elongated tubular valve cage carrying adjacent one end an internally screw threaded socket adapted to be threaded on the adjacent end of a length of pump tubing, a partition extending transversely across and closing the end of the cage remote from the socket said cage having apertures extending through its side wall between the socket and the partition, an annular ball housing carried by and extending longitudinally from the end of the cage adjacent said partition, an elongated tubular casing carried by the cage in concentric spaced relation thereto, a seat element carried by the casing in closely spaced relation to the ball housing, a threaded socket carried by the casing adjacent the seat element for threadedly receiving a length of pump tubing, and a ball normally seating upon said seat element and formed to a diameter corresponding to the inner diameter of the ball housing, the ball being slidable within the housing off of the seat element and being engageable at the limit of its travel away from said seat element with the partition to permit the passage of fluid through the seat element and exteriorly of the ball housing to the apertured portion of the cage, said cage, casing, seat element and ball being co-axial with each other.

2,578,070

CHARGING TONGS FOR LIFT TRUCKS

Joseph H. Jones, Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application June 9, 1950, Serial No. 167,181
1 Claim. (Cl. 214—115)



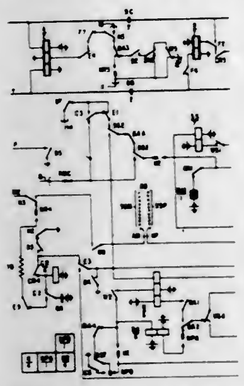
In a lift truck having a mast and means for vertically moving the mast, the combination of a substantially vertically disposed elongated frame pivotally secured near its lower end to the truck for tilting motion relative to said truck, a head associated with the mast and movable up and down therewith in said frame, a hollow open-ended generally cylindrical housing secured at one end to the head and extending therefrom forwardly of the truck and having an axially extending access opening, and gripping and holding means carried and supported adjustably by the truck for supporting articles to be transported, said gripping means comprising a cylinder disposed in and supported by said housing and secured to the head and extending forwardly of the said truck, a piston rod in the said housing and extending forwardly from the cylinder, and tong means disposed adjacent to the free end of the cylindrical housing and carried by said piston rod for gripping articles to be transported by the truck.

2,578,071

AUTOMATIC SWITCH

Eric Wyn Jones and Owen Avis Pearce, Liverpool, England, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company

Application June 3, 1947, Serial No. 752,212
In Great Britain June 7, 1946
10 Claims. (Cl. 179—18)



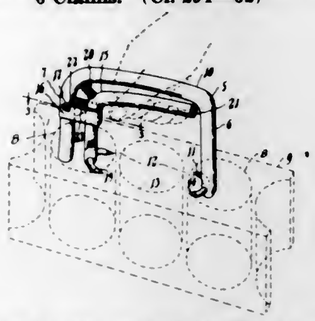
1. In a telephone system, a switching device for operation in a system in which switching equipment is controlled by a plurality of spaced apart series of impulses, an operating circuit and a control circuit and a releasing circuit for said device, a plurality of groups of outlets for said device, said operating circuit operated responsive to a first portion of the impulses of one series of impulses received by said device, said control circuit operated by a subsequent portion of the impulses of said one series, said releasing circuit operated during said subsequent portion, the operation of said circuits conditioning said device for connection to one of said groups of outlets responsive to at least one more series of impulses received by said device.

2,578,072

TONGS FOR HANDLING BUILDING BLOCKS

Adolph Kargol, Hamilton, Ontario, Canada

Application June 7, 1951, Serial No. 230,309
6 Claims. (Cl. 294—62)



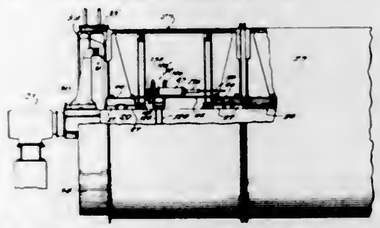
1. Lifting tongs for building blocks, comprising a U-shaped frame invertedly arranged and providing depending legs and a horizontal bight, one of said legs forming a fixed jaw and the other forming a stop, spurs rigid with the lower end of said jaw and terminating in inwardly directed points, an L-shaped lever arranged within the confines of said U-shaped frame, one part of said lever extending downwardly alongside of said stop in spaced relation thereto and constituting a movable jaw, the other part of said lever constituting a handle subtending beneath said bight, spaced spurs on the lower end of said movable jaw and terminating in inwardly directed points, means providing a connection between the bend portion of said lever and the upper part of said stop, and a spring acting between said frame and said lever and connection to press the movable jaw away from the fixed jaw and the upper stop part.

2,578,073

LUBRICATOR

Joseph Kellogg, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis.

Application May 15, 1946, Serial No. 669,960
5 Claims. (Cl. 184—6)



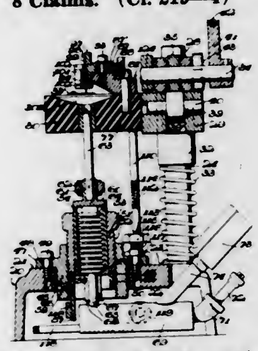
1. In a lubricating device of the character described, a rotatable shaft, a plurality of cams on said shaft, a drum mounted on said shaft to rotate relative thereto, a plurality of bearings between said shaft and said drum, a platform supported by said drum, a lubricant reservoir mounted on said platform, a plurality of grease pumps mounted adjacent said reservoir, means to supply grease from said reservoir to said pumps, means to conduct grease from said pumps to said bearings, a cam follower actuated by each of said cams, and means operated by said cam followers to actuate said pumps.

2,578,074

WELDING MACHINE

Henry Kershaw, Belleville, N. J., assignor of one-sixth to Herbert L. Zuckerman, one-sixth to Arthur E. Zuckerman, and one-sixth to Honi Zuckerman, all of Maplewood, N. J.

Application July 25, 1950, Serial No. 175,737
8 Claims. (Cl. 219—4)



5. In a welding machine, a support, a substantially vertical electrode mounted upon the support and provided at its upper end with a recess for receiving a single ball, substantially vertical guide means mounted upon the support, a vertically reciprocatory carriage mounted upon the guide means, a base plate, means to mount the base plate upon the carriage so that the base plate may be angularly adjusted in a substantially horizontal plane and locked to the carriage in the selected adjusted position, a second carriage, means to mount the second carriage upon the base plate so that the second carriage can be shifted in a straight line in a substantially horizontal plane transversely of the base plate and locked to the base plate in the selected adjusted position, a pen point holding block secured to the second carriage and having a substantially vertical recess formed therein having a reduced extension at its lower end, the recess holding the pen point with the reduced end of the pen point permanently in the lowermost position, releasable means for clamping the pen point within the recess, means to raise and lower the carriage, and means for electrically connecting the welding circuit with the electrode and the pen point holding block.

2,578,075

BROWNPRINT FIXING COMPOSITION CONTAINING ALKALI THIOSULFATE, ALKALI OXALATE, AND A SURFACE ACTIVE WETTING AGENT

John F. Kienast, River Edge, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey

No Drawing. Application June 18, 1949, Serial No. 100,093
7 Claims. (Cl. 95—88)

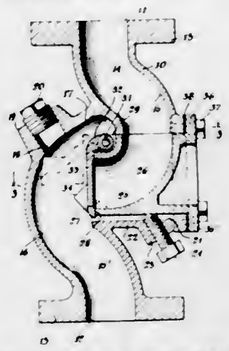
1. An anhydrous composition for forming a brownprint fixing solution by the addition of water thereto consisting essentially of from 20 to 60% of anhydrous alkali thiosulfate, from 80 to 30% of alkali oxalate and from 0 to 10% of a dry surface active wetting agent compatible therewith.

2,578,076

CHECK VALVE

Kathryn Kirby, New York, N. Y., assignor to W. Harrison Young, Inc., New York, N. Y., a corporation of New York

Application May 8, 1945, Serial No. 592,656
2 Claims. (Cl. 251—123)



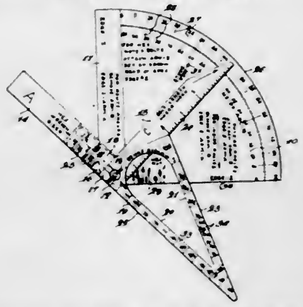
1. A valve comprising a body having an opening extending horizontally therein and provided with a vertically extending inlet passageway and an outlet passageway spaced from said inlet passageway, a removable plug received within said opening and having an unobstructed intermediate passageway registering with said inlet passageway and communicating with said outlet passageway, said plug terminating at its lower end in a valve seat, a valve closure member of the flap type suspended from and pivoted to said plug exteriorly of said intermediate passageway and normally retained in closed position against said seat by the action of gravity and adapted to be opened by liquid in said intermediate passageway exerting pressure laterally against said valve closure member and means supported by and extending through said body and exerting pressure upwardly against said plug to force it into close engagement with the lower end of said inlet passageway and to insure a tight connection between said inlet and intermediate passageways.

2,578,077

MECHANIC'S TOOL

Arch C. McKnight, Jr., Torrance, Calif.

Application July 11, 1947, Serial No. 760,439
1 Claim. (Cl. 33—93)



A geometrical instrument comprising a quad-

rant shaped base having graduations thereon, an integrally formed extended portion for one of the radial sides of said base, a pin extending through said extended portion, a square pivotally mounted upon said pin, said pin being at the center of the arcuate side of said base, a portion of said square being cooperative with the graduations on said base, a socket affixed to one leg of said square adjacent said pin, and an open frame-like triangle, a yoke member formed integrally with and extending from said triangle and adapted to encompass said pin and be received in said socket.

2,578,078

DEVICE FOR DISCHARGING WAX AND THE LIKE HAVING A VALVE OPERATING ROD

Samuel L. McNair, Boston, and Clarence E. Wyman, Brockton, Mass., assignors to Everett E. Young Co., Inc., Whitman, Mass., a corporation of Massachusetts

Application August 8, 1946, Serial No. 689,224
2 Claims. (Cl. 222—191)



1. A device of the class described comprising a reservoir handle, a separate partition member in said reservoir handle having an opening therein, a tube in said opening, said partition member completely occupying the space in said reservoir handle laterally between it and said tube, a rigid, inseparable valve actuating rod in said handle and extending through said tube embodying a valve member normally at the lower portion of and bearing against said tube, stop means on said rod above said tube, a compression spring above said valve member bearing against the upper end of said tube at one end and against said stop means at the other end, said tube being of such cross-sectional area with relation to said rod that a space is left between them through which fluid in said reservoir handle may pass, and means adapted to actuate said rod to thereby compress said spring and move said valve member away from said tube, said rod extending continuously from a point adjacent said rod actuating means to a point beyond said valve member.

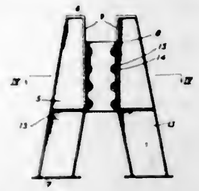
2,578,079

FRAME FOR VERTICAL PISTON ENGINES

Mark Ferdinand Meinertz, Copenhagen, Denmark

Application August 1, 1946, Serial No. 687,722
In Denmark August 11, 1945
4 Claims. (Cl. 121—194)

1. A frame for vertical piston engines having a cylinder construction supported from the bed plate by means of separate vertical frame members arranged between said cylinder construction and bed plate in the planes of the main bearings and transversely of the longitudinal direction of the engine, each frame member comprising two substantially centrally stressed side pieces having machined opposed surfaces and being united by a detachable connection piece inserted between



and attached to said opposed surfaces so as to form in combination with the side pieces a laterally rigid grinder and serving simultaneously as a precision distance and aligning member for said side pieces, sliding surfaces for the crossheads of adjacent cylinders being provided on said opposed surfaces on either side of the connection piece,

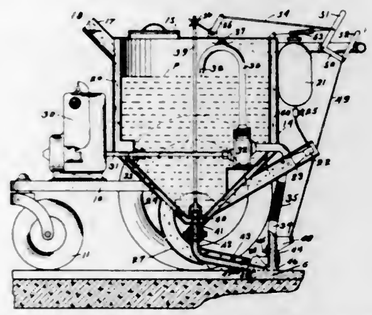
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2,578,080

APPARATUS FOR DISPENSING FLUENT MATERIAL

William F. Middlestadt, Baltimore, Md., assignor to The James Gibbons Company, Relay, Md.

Application June 20, 1945, Serial No. 600,538
9 Claims. (Cl. 94—39)



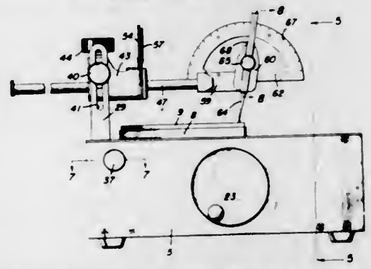
1. An ambulatory dispensing apparatus for filling the gap between pavement sections with an asphaltic sealing composition, comprising a wheeled frame movable over the gap between said pavement sections, a container carried by said frame for said composition, means for heating said container to maintain said composition in a liquid state, an outlet nozzle for discharging the contents of said container at a depositing point having one end thereof pivotally connected to said container and the other end thereof adjacent to said gap for the discharge of the liquid composition thereinto, a guide lug on the bottom of said discharge nozzle projecting into said gap, a suction nozzle closely adjacent to said depositing point having a portion thereof connected with the upper surface of said outlet nozzle whereby both move in unison and with the inlet end thereof at a predetermined level, a flexible scraper mounted on said suction nozzle acting on the surfaces of said pavement sections on the opposite sides of said gap, a pump for exerting an aspirating action at said inlet end of the suction nozzle for withdrawing the asphaltic composition discharged by said outlet nozzle higher than said predetermined level for return to said container, whereby said asphaltic composition is deposited automatically within said gap up to said predetermined level, and an extensible conduit connected between said suction nozzle and said pump for permitting movement of said suction nozzle and flexible scraper.

2,578,081

DENTAL TOOL SHARPENING DEVICE

Chant A. Miller, Winamac, and Samuel L. Border, Monon, Ind.

Application July 20, 1948, Serial No. 39,598
2 Claims. (Cl. 51—59)



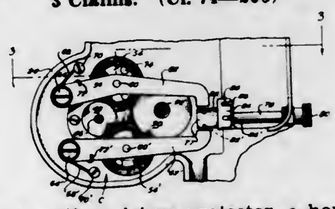
1. A tool sharpener comprising a reciprocable sharpening stone, a pair of upstanding rockable supports adjacent one end of the stone, a cross bar connecting the upper ends of the supports to each other, a tool supporting arm, an arm holding member slidably carried by the cross bar and in which the tool supporting arm is slidably and rotatably positioned, and a tool holder pivotally mounted at one end of the arm.

2,578,082

MOTION-PICTURE PROJECTOR TRANSMISSION

Lewis H. Moomaw, Great Neck, N. Y., assignor to De Jur-Amsco Corporation, Long Island City, N. Y., a corporation of New York

Original application October 17, 1946, Serial No. 703,808. Divided and this application September 23, 1947, Serial No. 775,657
3 Claims. (Cl. 74—206)



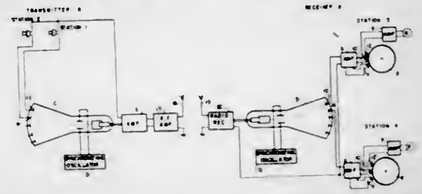
1. In a motion picture projector, a housing, a motor and a driving pulley rotated thereby about an axis of rotation, a driven pulley connected to the projection machinery of the projector and rotatable about an axis of rotation parallel to that of the driving pulley, a pair of arms mounted in said housing so as to be pivotable about an axis parallel to said axes of rotation, each of said arms carrying a friction pulley mounted thereon so as to be rotatable about an axis of rotation parallel to those of the driving and driven pulleys, one of said pulleys being positioned on one side and the other on the other side of a line between the axes of rotation of the driving and driven pulleys, a lug on each of said arms and a rotatable member interposed between said lugs and adapted, in a first position, to permit said arms to assume a position in which the friction pulleys carried thereby make contact with and connect the driving and driven pulleys and, in a second position, to engage said lugs and cause said arms to diverge to a position in which the friction pulleys carried thereby do not make contact with both the driving and driven pulleys.

2,578,083

TIME-DIVISION MULTIPLEX SYSTEM WHEREIN THE DURATION OF EACH RECEIVED SAMPLE IS EFFECTIVELY INCREASED

Angelo Montani, Woodhaven, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application July 7, 1948, Serial No. 37,371
6 Claims. (Cl. 179—15)



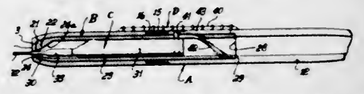
1. In a multiplex transmission system wherein a plurality of receiving stations are sequentially connected to a plurality of transmitting stations momentarily whereby each receiving station receives only a sample of the wave form being transmitted from its associated transmitting station for a given interval, an amplifier at each receiving station, a recorder including an endless magnetic wire loop disposed to make substantially a complete pass during each time interval said receiving station is receiving a sample wave form from its associated transmitter, an erasing head and a recording head and a pick up at each station, means controlled from an amplifier in response to a received sample wave form for activating its associated erasing head and then operating its recording head to record the sample on substantially the entire length of said wire, each recording and erasing head ineffective after cessation of a received sample wave form, said pick up effective to transmit the recorded wave form to the receiving device at its associated station repeatedly after it has been recorded.

2,578,084

RETRACTABLE MAKE-UP APPLICATOR

Charles A. Mureau, Van Nuys, Calif.

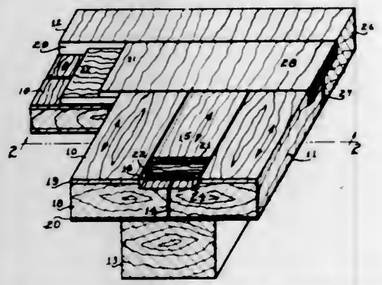
Application March 25, 1946, Serial No. 657,007
16 Claims. (Cl. 15—184)



8. A device of the character described including, an elongate case having an end opening offset from the central longitudinal axis of the case, a closure for the opening rotatably supported in the case for rotation on an axis common thereto having an aperture movable into and out of register with the opening by rotation of the closure relative to the case, an applicator normally positioned wholly within the case and comprising a stem reciprocating in the case and

completely enclosed thereby at all times and a head carried by the stem and operable thereby to a position to project out through the registering opening and aperture, and operating means for the closure and applicator.

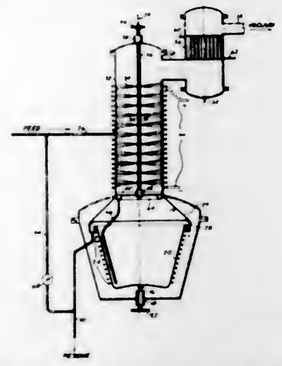
2,578,085
PANEL STRUCTURE AND A METHOD OF ASSEMBLING PANELS ON A SUPPORT
Robert C. Perkins, Worcester, Mass.
Application April 30, 1947, Serial No. 744,936
6 Claims. (Cl. 20—15)



1. A building wall structure comprising plywood panels of at least three-ply having layers of veneer in a criss-cross grain arrangement and assembled in an abutting relationship with a joint therebetween, the juxtaposed edge portions of two panels having grooves at each side of the joint providing a channel of uniform width having the cross sectional dimensions of a two-ply plywood strip, a plywood strip of two veneers cemented together with their respective grains in a substantially perpendicular arrangement fitting within the channel and having the grain of one ply extending across the joint and the exposed surface of the strip flush with the adjacent panel surfaces, said strip being cemented to the bottom of the channel and forming with the panels an integral body having at least three plies cemented together at each side of the joint and two cemented plies over the joint.

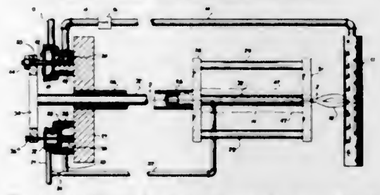
2,578,086
HIGH-VACUUM FRACTIONATING DISTILLATION APPARATUS
Edmond S. Perry, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 9, 1948, Serial No. 31,885
3 Claims. (Cl. 202—205)

1. Fractionating apparatus comprising in combination a generally vertical fractionating column having a closed lower end, a centrifugal vaporizer rotatably mounted in said column adjacent said closed lower end, said vaporizer having a continuous dished vaporizing surface facing upwardly into said column, heating means for said vaporizer, means for rotating said vaporizer, conduit means arranged for introducing distilland onto the inner surface of said column at a zone spaced from the lower end of said column, means for conducting distilland from a lower zone of said column onto said vaporizing surface, means for withdrawing residue from the lower end of said column, heating means for said column arranged about substantially the extent of said column, a rotatable shaft mounted in said column and generally concentric therewith, means for positively abstracting heat from said shaft, brush means secured along said shaft and extending radially outwardly from said shaft at a plurality of axially spaced positions



along said shaft into sweeping contact with said column, means for evacuating said column, and condensing means communicating with an upper zone of said column for condensing vapors ascending said column.

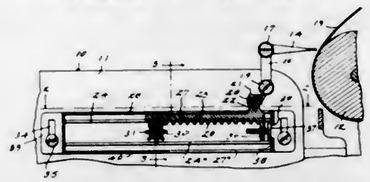
2,578,087
SAFETY PILOT FOR GAS BURNERS
George A. Peterson, Sydney, New South Wales, Australia
Application October 12, 1946, Serial No. 702,957
10 Claims. (Cl. 158—117.1)



1. In a heating device, a main burner, a pilot burner therefor, a normally closed valve for supplying the main burner, a normally open valve for supplying the pilot burner, a thermally responsive control device exposed to the heat of the pilot burner, a member moved by the control device, lost motion coupling means connecting the main burner valve to the member so that the valve will be opened after a predetermined movement of the member, and means connecting the pilot burner valve to the member so that the valve will be operated toward its closed position by movement of the member, the pilot burner valve being adapted to regulate the pilot burner to maintain a normal pilot flame and thus hold the main burner valve open, the control device being connected to close the main burner valve upon its initial cooling in the event of extinction of the pilot flame.

7. A pilot burner and control device comprising a pilot burner, a throttling valve therefor, a first thermally expansible bar exposed to heat from the pilot burner, a second thermally expansible bar parallel to the first and less exposed to heat from the pilot burner than the first bar, the bars having equal coefficients of expansion, and means connecting said bars and the valve for closing the valve in response to differential expansion of the bars produced by heat from said pilot burner.

2,578,088
SHEET REALIGNING ATTACHMENT FOR TYPEWRITERS
Gaylord I. Pierce, San Diego, Calif.
Application January 30, 1950, Serial No. 141,304
3 Claims. (Cl. 197—180)



1. A realigning attachment for typewriters comprising a housing adapted for mounting on a side of the typewriter confronting the platen, guides in said housing, a gear rack slidably engaging said guides, a pointer, means securing said pointer to said rack in a position confronting the typing line, a spur gear meshing with said rack, and an operator for said spur gear.

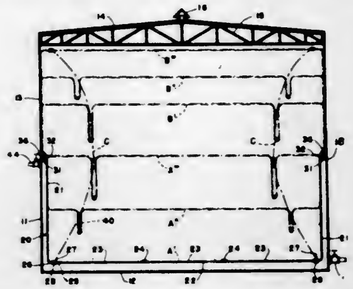
2,578,089
CARRYING MEANS
Herbert M. Piker, Hamilton, Ohio, assignor to The Hamilton Metal Products Company, Hamilton, Ohio, a corporation of Ohio
Application March 10, 1947, Serial No. 733,692
5 Claims. (Cl. 16—115)



1. In a device of the class described for boxes having a cover, a carrying means adapted to be extended above the cover when in use and to collapse onto the said cover when not in use comprising a handle member having a body portion substantially rectangular in plan and having sides and ends, supporting flanges depending from each side of the body portion adjacent each end thereof on which the handle member rests when collapsed onto the cover, links pivotally carried by the body portion flanges and depending therefrom to pass through suitable apertures in the cover to be below the said cover when the handle member is collapsed, and means integral with said links for engagement with the cover to prevent the withdrawal of the links through said cover apertures when the handle member is extended.

2,578,090
DIAPHRAGM COVER FOR LIQUID STORAGE TANKS
Fred L. Plummer, Warren, Pa., assignor to Hammond Iron Works, Warren, Pa., a corporation of Pennsylvania
Application April 17, 1948, Serial No. 21,603
1 Claim. (Cl. 220—85)

In combination with a liquid storage tank adapted to have the liquid level therein vary, a diaphragm construction comprising impervious flexible material adapted to have contact with the liquid and to adapt itself to variations of the liquid level, and fastening means extending internally along the periphery of the vertical tank wall at an intermediate elevation thereof for fastening the peripheral edge portion of the diaphragm to the tank; characterized by the fact that the diaphragm comprises a vertical cylindrical portion extending from said fastening means along the vertical tank wall, an annular portion extending in a horizontal plane inwardly from said cylindrical portion and in the plane of the liquid level, a central circular portion surrounded by and co-planar with said annular portion, and a depending annular fold connecting said annular portion with said central portion, said annular fold being adapted to assume a smallest diameter, a greatest depth, and a



greatest distance from the tank wall when the liquid level substantially coincides with the elevation of the fastening means while the height of the cylindrical portion becomes a minimum, said diameter being adapted to increase as the liquid level rises or falls with respect to said elevation with a concomitant compensatory decrease in depth of the fold, a compensatory decrease of distance between the fold and the tank wall, and a compensatory increase of height of said cylindrical portion.

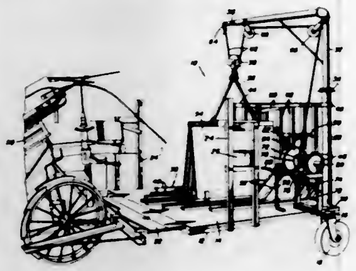
2,578,091
LEATHER SOLED SOCK WITH REARWARDLY EXTENDING TOE CAP
Alfred S. Reed, Ripon, Wis., assignor to Ripon Knitting Works, Ripon, Wis., a corporation of Wisconsin
Application January 28, 1950, Serial No. 141,032
5 Claims. (Cl. 36—9)



1. An article of footwear of the class described comprising a knitted sock having a sole portion, a leather sole below the sole portion of said sock and provided with an upwardly extending side wall around its perimeter, said side wall being attached to said sock at the sides and rear of the article and the adjacent edges of said side wall and said leather sole being turned inwardly and fastened together, and a leather toe cap extending over the top of said sock adjacent the front of the article, said toe cap having elongated portions curved rearwardly from the front of the

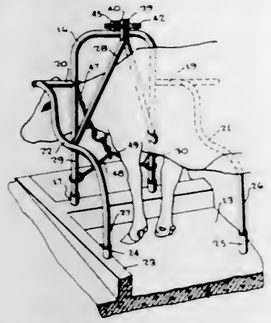
article and extending to, and terminating adjacent, the rear of the ball of the sock and fastened to said side wall and to said sock.

2,578,092
CORN SHOCKER WITH DIVIDED FORMER
Edward H. Rehn, Lima, Ohio
Application June 1, 1949, Serial No. 96,528
5 Claims. (Cl. 56—428)



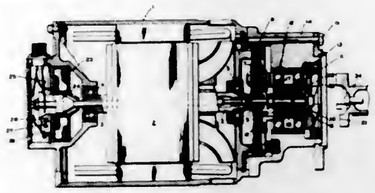
1. In a corn shocker, the combination of a frame adapted for connection to a binder, a shock receiving and depositing platform, a standard means on said frame for supporting said platform whereby it may be swung laterally from a position above the frame to a position above the ground while the binder is moving, means for raising and lowering said platform in and out of engagement with the ground and with said frame, said platform including a plurality of slats positioned in spaced relation whereby when said platform and shock are lowered, the shock will frictionally engage the ground for retention thereby.

2,578,093
ADJUSTABLE COMFORT COW STALL
Christian Schillinger, Hazelton, Pa.
Application September 1, 1950, Serial No. 182,783
3 Claims. (Cl. 119—147)



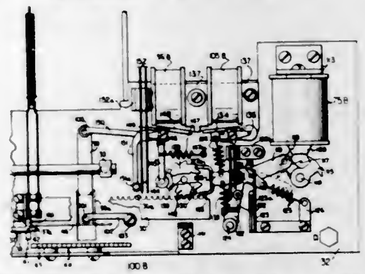
1. In a stall of the character described, a stanchion frame of inverted U-shape adapted to receive the neck and shoulders of a cow thereunder, means securing the stanchion frame in upright position, an inverted V-shaped yoke member pivoted at its lower ends to the respective sides of the stanchion frame, a link bar pivoted to the top of the yoke member, and means adjustably securing said link bar to the top of the stanchion frame so that the yoke member may be adjusted in its angular relation to the frame.

2,578,094
ENGINE STARTER JAW MESHING MECHANISM
Richard E. Sears, Cleveland Heights, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application March 10, 1950, Serial No. 148,889
9 Claims. (Cl. 74—6)



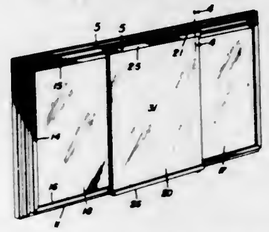
1. In combination in an engine starter, an electrical rotary driving motor and a source of current for operating the same, a starter jaw and an engine jaw, manual switch operated electrical means for linearly extending said starter jaw into partial mesh with said engine jaw, switch means so arranged with respect to said electrical means as to be automatically operated after a predetermined linear travel of said starter jaw for energizing said motor, a sleeve driven by said motor, said starter jaw being so constructed and arranged with respect to said sleeve as to be driven, with lost motion, by said sleeve, a cam member mounted in said sleeve coaxially with said starter jaw and so constructed and arranged with respect to said sleeve as to be driven by said sleeve without lost motion, said cam member having cam means so constructed and arranged with respect to said starter jaw that, upon rotation of said cam by said sleeve, prior to the rotation by the latter of said starter jaw, means are provided to linearly extend said starter jaw into full mesh with said engine jaw prior to full rotative drive of said starter jaw by said sleeve.

2,578,095
MULTIDIRECTIONAL SELECTIVE SWITCH
Hans Sengebusch, Villa Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 18, 1947, Serial No. 792,510
10 Claims. (Cl. 179—27.52)



1. Switching apparatus comprising a support, a primary carriage carried by said support and having a normal primary position and mounted for primary movement upon said support with respect to said normal primary position, a secondary carriage carried by said primary carriage and having a normal secondary position and mounted for secondary movement upon said primary carriage with respect to said normal secondary position, a contact controlling element carried by said secondary carriage, a drive motor, first transmission mechanism, means including said drive motor and said first transmission mechanism for selectively and directly operating said primary carriage away from said normal primary position, shift means operated to restrain said primary carriage against further operation by said first transmission mechanism, means thereafter operated by said drive motor and said first transmission mechanism for selectively and directly operating said secondary carriage away from said normal secondary position, second transmission mechanism, and means including said drive motor and said second transmission mechanism for directly restoring said secondary carriage to said normal secondary position and then for directly restoring said primary carriage to said normal primary position.

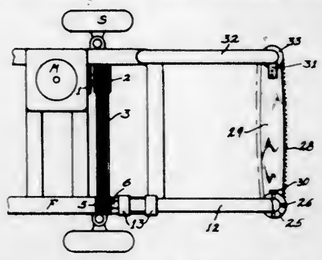
2,578,096
MEDICINE CABINET
Robert P. Smith, Monrovia, Calif.
Application October 6, 1948, Serial No. 53,028
2 Claims. (Cl. 312—227)



1. In a cabinet structure, an upper and a lower stepped frame each having inner, intermediate and outer vertically spaced and laterally offset ledges, webs connecting adjacent edges of said ledges, a track secured to the registering face of said inner ledges, and a mirrored door slidably received in said tracks, means for mounting said frame in a wall opening, a bracket secured to each of said intermediate ledges intermediate the ends thereof, a mirrored door having upper and lower trunnions, said trunnions being rotatably received in said brackets whereby said last-mentioned door will be vertically pivotally attached to said frame for selectively opening and closing an intermediate portion thereof, said upper ledge being adapted to abut the wall in which said frame is secured.

2,578,097
VEHICLE MOUNTED CHAIN-SAW WOOD SAWING MACHINE
Mark Soss, Spokane, Wash.
Application August 13, 1948, Serial No. 44,142
1 Claim. (Cl. 143—32)

In a power-operated saw, a main frame, bars carried by and extending forwardly from said frame at opposite sides thereof and having downwardly extending arms at their front ends, one bar and its arm being tubular and having adjoining ends detachably secured together and forming a gear housing, a drive shaft and a driven shaft rotatably mounted through the tubular bar and its arm and having adjoining ends connected with each other by intermeshing beveled gears enclosed in the gear housing, said drive shaft having its rear end projecting from the tubular bar and the driven shaft having its lower end projecting from the lower end of the tubular arm and carrying a sprocket wheel, an idler sprocket wheel at the lower end of the arm of the other bar, a bridging bar extending horizontally between the sprockets and supported by upwardly extending brackets secured to lower end portions of the arms, and endless chain saw

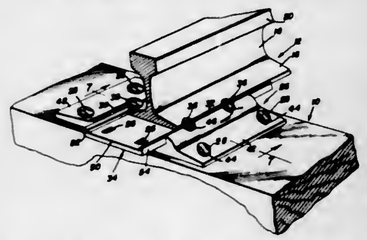


trained about the sprockets and having front and rear portions extending longitudinally of the bridging bar in confronting relation to the front and rear edge faces thereof, a motor mounted upon said frame, and means for transmitting rotary motion between said motor and the rear end of the drive shaft.

2,578,098
ALUMINUM BASE ALLOY
John C. Southard, Niagara Falls, N. Y., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 9, 1944, Serial No. 548,794
1 Claim. (Cl. 75—138)

The method of manufacturing an aluminum alloy suitable as an addition alloy to aluminum casting melts which comprises first preparing an alloy containing 30 to 50% titanium, 5 to 15% boron, the balance aluminum, by reduction of an oxygen compound of titanium and an oxygen compound of boron in the presence of aluminum and thereafter mixing said alloy with a molten charge containing aluminum at 2,000 to 2,400° F. in proportions to produce an alloy containing ½ to 6% titanium, 0.05 to 1% boron, the balance aluminum.

2,578,099
ALTERABLE COMMON GAUGE RAILWAY TRACK CONSTRUCTION
Lee Spencer, Phoenix, Ariz.
Application September 15, 1950, Serial No. 184,997
5 Claims. (Cl. 238—287)



3. In a track construction of the class shown and described, in combination, a conventional wooden cross-tie, a conventional-type rectangular heavy duty tie-plate provided at opposite

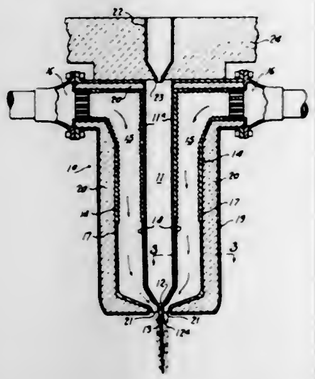
outer transverse ends with spike openings for reception and maintenance of tie-plate hold-down spikes to be driven through said openings into said cross-tie, provided at its intermediate portion with spaced parallel primary track gauge establishing and maintaining shoulders adapted to accommodate insertable and removable light duty adapter means on the one hand and a heavy duty track rail on the other hand, and readily insertable and removable adapter means seated on and separably interlocked with said tie-plate embodying secondary common track gauge maintaining rail change-over shoulders abutting said primary shoulders, said primary and secondary shoulders being selectively usable, whereby the one heavy duty tie-plate, when permanently anchored, may be used to temporarily base and support said adapter means and a complemental light duty rail for prescribed period of time and may also be used, after removing said light duty rail and adapter means, to permanently base a heavy duty rail while at all times establishing and accurately maintaining a common gauge point of the wheel flange surfaces of the heads of both light duty and heavy duty rails relative to said cross-tie and tie-plate and respective primary and secondary shoulders.

2,578,100

METHOD AND APPARATUS FOR FORMING FIBERS

Charles J. Stalego, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application March 18, 1946, Serial No. 655,270
7 Claims. (Cl. 49—17)



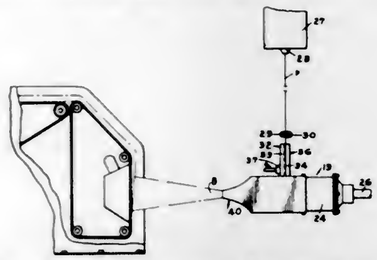
1. Apparatus for producing glass fibers, comprising a vertically disposed melting chamber adapted to contain a supply of molten glass and having a plurality of orifices through which molten glass flows in the form of streams, means for introducing fluid under pressure into the chamber to assist the flow of molten glass through the orifices, vertically disposed combustion chambers arranged to burn a combustible gaseous mixture in heat conducting relation to the melting chamber, and discharge openings for the products of combustion positioned adjacent the orifices and in substantially the same horizontal plane to direct the products of combustion out of the combustion chambers in parallelism with the flow of the glass streams issuing from the orifices and restricted to provide blasts of sufficient velocity to attenuate the streams to form fine fibers.

2,578,101

APPARATUS FOR PRODUCING FIBERS FROM GLASS AND OTHER HEAT SOFTENABLE MATERIALS

Charles J. Stalego, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application October 15, 1947, Serial No. 780,074
14 Claims. (Cl. 18—2.5)



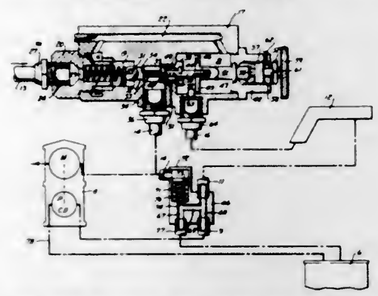
1. Apparatus for producing fibers from a heat softenable material, comprising a burner having a chamber in which a combustible fuel and air mixture is ignited and having a restricted opening through which the products of combustion are discharged in the form of a high temperature blast moving at substantial velocity, an elongated shield enclosing the blast for a substantial part of its length and open at opposite ends to enable the blast and air induced by the movement of the blast to flow through the shield, at least two opposing sides of the shield being inclined toward and along the blast, and means for feeding a body of heat softenable material into the blast to be attenuated in the blast.

2,578,102

ANTISURGE MECHANISM FOR FLUID SPRAY APPARATUS

Robert Mathew Stephenson and William Fuller Dozier, Oakland, and Ross Kelly McCoy, Berkeley, Calif.; said Dozier and said McCoy assignors to said Stephenson

Application August 4, 1949, Serial No. 108,592
8 Claims. (Cl. 299—58)



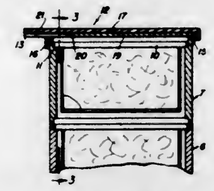
1. In a distribution apparatus for fluids, a first source of fluid under pressure, a second source of fluid, a utilization device for at least one of said fluids, means including a duct for effecting transfer of fluid from said first source to said utilization device, means for effecting transfer of fluid from said second source to said utilization device through a supply conduit interconnecting said second source and said utilization device, means in said supply conduit for selectively venting fluid therefrom and for retaining fluid therein, means operatively connected with and governing operations of said fluid venting and retaining means so as to selectively vent said conduit and retain fluid therein, and said governing means being operative in response to movements of fluid through said duct.

2,578,103

HIVE COVER WITH BUILT-IN TOP ENTRANCE

William L. Stulce, Harrison, Tenn.

Application November 12, 1947, Serial No. 785,336
1 Claim. (Cl. 6—4)



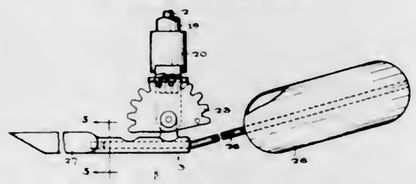
In a beehive construction of the class shown and described, a cover for a beehive comprising a pair of duplicate rectangular panels disposed in a plane with one another and having inner adjacent longitudinal edges parallel and spaced apart, third rectangular panel superimposed upon top surfaces of said first-named panels and bridging and covering the space between the opposed inner edges of said first-named panels and coacting therewith in defining an open ended channel-way, forward and rearward crosspieces fastened to undersides of said first-named panels and serving to connect the latter in assembled relationship, the rearward crosspiece being flush with corresponding rear ends of all three panels, the forward crosspiece being spaced inwardly from corresponding forward ends of all three panels and underlying the forward end portion of the third-named panel in spaced relation and forming, in conjunction therewith, a combined ventilating and entrance opening, and a rectangular insert situated in said channelway and having one end interposed between said rearward crosspiece and underlying said third panel and having its forward end spaced rearwardly from said forward crosspiece.

2,578,104

LIQUID LEVEL GAUGE

James Y. Taylor, Garland, Tex.

Application July 31, 1946, Serial No. 687,341
1 Claim. (Cl. 73—317)



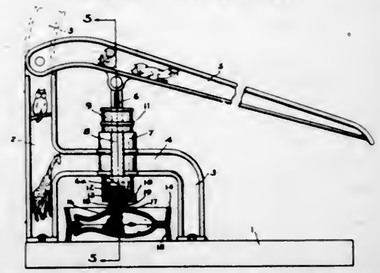
In a device of the character described, a dial and associated indicating means, means for causing movement of said indicating means relative to said dial, a rotatable hub member, a segmental gear member formed on one end of said hub engaging said last mentioned means, an arm projecting from the intermediate portion of said hub, an angularly disposed arm supported by said first mentioned arm, a counterbalance weight formed on the outer end of said angularly disposed arm, all formed as an integral die casting, and a float supporting arm positioned in and extending outwardly from the opposite end of said last mentioned arm and secured therein a calculated predetermined distance during the die casting operation.

2,578,105

DIE-CASTING APPARATUS

James Y. Taylor, Garland, Tex.

Application June 28, 1947, Serial No. 757,710
2 Claims. (Cl. 25—103)



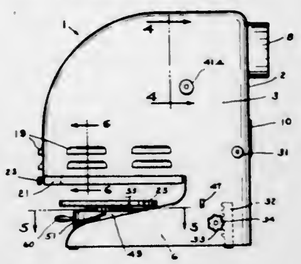
1. In a device of the character described, a support, a frame on said support, said frame comprising an upstanding arm and an intermediate angularly disposed arm parallel to said support, a pressure cylinder supported for sliding movement on said intermediate arm, a piston for said cylinder, an operating handle for said piston pivotally connected to said upstanding arm and to said piston, a nozzle carried by the lower end of said cylinder, said nozzle engaging a die having an opening for the admission of molding material, whereby pressure on said handle first causes a sliding movement of the cylinder in its supporting arm forcing the nozzle and cylinder into contact with said die and by a successive continuous operation forces the molding material into said die.

2,578,106

OPAQUE PROJECTION APPARATUS WITH ADJUSTABLE TRAY AND PLATEN MEANS

James Y. Taylor, Garland, Tex.

Application July 19, 1949, Serial No. 105,469
10 Claims. (Cl. 88—24)

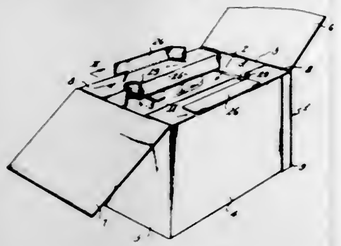


1. In a projector for projecting opaque material, a casing, a light source and reflectors in said casing, means for supporting material to be projected and a barrel containing a projector lens system, means in said casing for adjustably mounting said barrel and lens system comprising a rigidly supported track, a bracket, rollers carried by said bracket and engaging said track, means for securing said lens system to said support, a rack on said bracket, a pinion engaging said rack and means externally of said casing for effecting relative movement of said rack and pinion for adjusting said support to thereby adjust said lens system.

2,578,107
SHIPPING PACKAGE FOR STORAGE BATTERIES

Bernard J. Thacker, Montebello, Scott C. Harris, Downey, and Walter O. Newstrom, Glendale, Calif., assignors to I. Henry Harris, Jr., Glendale, Calif.

Application April 26, 1949, Serial No. 89,644
3 Claims. (Cl. 229—14)



1. In a container for packaging storage batteries, a container formed of paper carton material having integral side and end walls and having integral tabs extending from the upper edges of the side wall portions of such length as will permit the tab to be rolled upon itself throughout at least more than one convolution to constitute a cushion at the upper edge of the side walls to engage the case of a storage battery and to protect the upstanding terminals of the battery, an extension on each of the tabs, and registering slots formed through overlapping convolutions of the tab material for receiving the extensions to lock the rolled up tabs in rolled position.

2,578,108
LEG BRACE

Loxia C. Thornton, Fresno, Calif.

Application August 16, 1949, Serial No. 110,499
5 Claims. (Cl. 128—80)

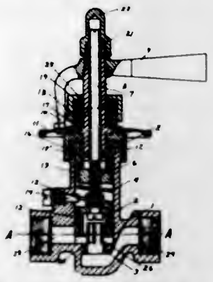


2. In a leg brace, a lower portion having two opposed lower side members, a thigh portion having two opposed thigh members, knee joints pivotally connecting the upper end portions of the lower side members with the lower end portions of the thigh members, an arcuate slot formed in the lower end portion of one of the thigh members, an adjustable element secured within the slot, and a rotatably adjustable locking member carried by the upper end portion of the associated lower side member and having a socket adapted to receive the adjustable element when in a certain adjusted position, and a hand lever secured to the locking member.

2,578,109
VALVE WITH A VARIABLE RANGE OF REGULATION

Olof Valfrid Tillberg, Solna, Sweden

Application January 9, 1946, Serial No. 640,016
In Sweden December 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 16, 1964
6 Claims. (Cl. 251—34)



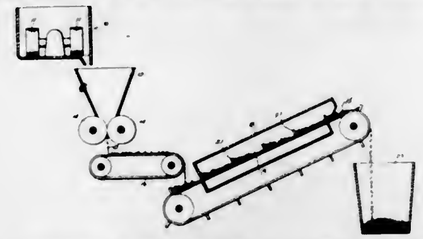
1. A valve with a variable range of regulation comprising, a casing with a valve seat, a rotatable closing member within the casing movable axially to and from engagement with the valve seat, a rotatable spindle connected with said closing member for operating the same, an extender coaxial with the spindle and adjustable axially with respect thereto, an adjusting member coaxial with the extender and in threaded engagement therewith for changing from outside the casing the position of said extender axially in relation to said closing member and thereby also in relation to the valve seat, a compressible and extensible helical member coaxial with said closing member and fixed at one end to said extender and at its other end to a part of the valve in relation to which said extender is movable so as to adjust the pitch of the helical member by axial adjustment of the position of said extender, and a steering member fixed in another part of the valve in relation to which said extender is axially movable, one of said parts of the valve in relation to which said extender is axially movable being a fixed part of the casing and the other of said parts being the closing member, said steering member having a guide portion in sliding engagement with said helical member for effecting axial movement of the valve closing member upon turning motion of said spindle to cause relative rotary motion between said steering member and said helical member.

2,578,110
PRODUCTION OF GLASS

Fay V. Tooley, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application October 14, 1944, Serial No. 558,765
2 Claims. (Cl. 49—77)

1. The process of treating glass batch which comprises dividing into a plurality of bodies an intimate admixture of glass batch made up of a plurality of ingredients whose particle sizes are related to each other in inverse order to the rate at which the respective ingredients melt, each of said bodies containing all of the batch ingredients in intimate admixture, fixing the batch ingredients together in each body, and thereafter heating the bodies and removing substantially all free and combined water from the batch in said bodies

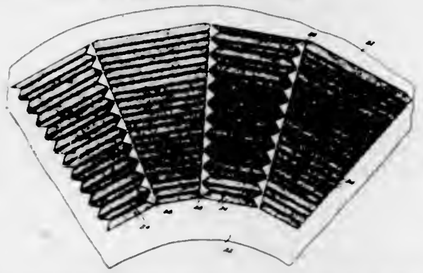


and removing a substantial proportion of gas other than water vapor from the potentially gas-forming constituents of the batch in said bodies before the batch is heated to a sticky condition in which there is present a liquid phase sufficient to permit relative movement and attendant segregation of unmelted batch particles.

2,578,111
FOLDING BELLOWS FOR PHOTOGRAPHIC DEVICES

Donald C. Turner, Brighton, and Edward F. Thomas and Arthur R. Thomas, Rochester, N. Y., assignors to D. C. Turner, Inc., Rochester, N. Y., a corporation of New York

Application May 5, 1948, Serial No 25,284
1 Claim. (Cl. 95—39)



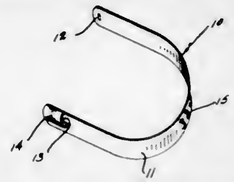
A collapsible bellows for photographic devices, comprising a sheet of flexible fabric formed into a four-sided body having openings at two opposite ends, each side of said body being folded transversely on a multiplicity of fold lines to form a multiplicity of crosswise pleats so that said body as a whole may be repeatedly expanded and contracted endwise, and adhesive stiffening and sizing material applied in fluid condition to the fabric only in the areas of the fabric between the fold lines and adhering tenaciously to said fabric upon drying and providing sufficient stiffness when dry to maintain said areas of said fabric in substantially flat condition during normal folding and unfolding of said bellows, the fabric being free of said stiffening and sizing material along said fold lines.

2,578,112
CAP ATTACHED PENCIL HOLDER

Charles Clifton Vaughn, Okmulgee, Okla.

Application August 28, 1946, Serial No. 693,439
2 Claims. (Cl. 224—5)

1. A cap band and pencil holder comprising a relatively long narrow strip of stainless steel, said strip having a button receiving opening adjacent each end, a resilient pencil receiving sleeve comprising a laterally extending ear integral with

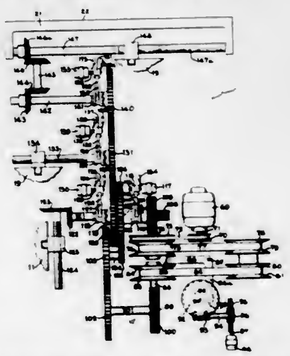


said strip and substantially cylindrical in form and adjacent one end of the strip, and the axis of the sleeve lying parallel with the axis of the strip.

2,578,113
MACHINE TOOL TRANSMISSION AND CONTROL

Albert Keith Watcher, Kenwood, and William B. Dulaney, Cincinnati, Ohio, assignors to The Cleveland Automatic Machine Company, Norwood, Ohio, a corporation of Ohio

Application April 10, 1947, Serial No. 740,682
22 Claims. (Cl. 90—21)



1. In a milling machine feed and rapid traverse transmission and control mechanism having a drive motor, a rapid traverse power take-off from said motor, a feed take-off drive from said motor including an infinitely variable speed V-belt drive transmission, a common feed and rapid traverse output drive shaft, clutch means associated with said shaft for applying a rapid traverse drive or a feed drive from said variable speed transmission to said shaft, and individual power transmissions connectable to said drive shaft for actuating the knee, saddle, and table members of said milling machine, an electric rapid traverse and feed clutch actuator motor connected to operate said clutch, and electric control switch means actuated by the operation of said rapid traverse and feed clutch actuator motor upon movement of said clutch to feed engaged position to de-energize said actuator motor.

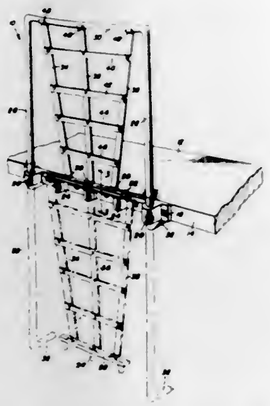
2,578,114
BLEACHER BACK

Fred C. Webber, Portland, Maine

Application August 16, 1950, Serial No. 179,770
2 Claims. (Cl. 155—133)

1. A back attachment for seats comprising a bracket mounted on the back edge of a horizontal seat, a back rest slidably mounted on said bracket for selective vertical movement into raised opera-

tive position and lowered inoperative position, said bracket having vertical guides, said back rest having standards slidably mounted in said guides, said bracket having locking recesses, said back rest having locking lugs engageable in said locking recesses to brace and retain said back rest in



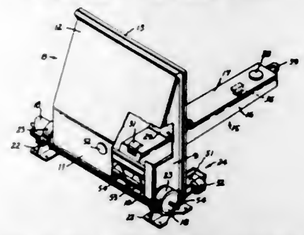
its operative position, said back rest including a U-shaped frame whereof said standards comprise the legs, a top bar connecting the upper ends of said standards, a back panel depending from said top bar, said locking lugs being mounted upon the lower end of said panel.

2,578,115
SACK HOLDER AND DISPENSER
Franklin G. West, Garden City, Kans.
Application May 22, 1950, Serial No. 163,420
2 Claims. (Cl. 312—61)



1. A paper sack container comprising a cabinet having side walls, a bottom and curved top, the front and rear of the cabinet being open, stops adjacent to the open front against which sacks held in the cabinet are forced, a pivoted plate mounted within the cabinet adjacent to the bottom thereof, a spring arm secured to the plate and extending upwardly therefrom, said spring arm engaging the sacks held within the cabinet, pivoted arms secured to the inner surfaces of the side walls, said arms having right angled ends engageable with the said plate holding the plate inwardly and tensioning said spring arm, said arms mounted on the side walls of the cabinet adapted to swing outwardly away from said plate, whereby said plate and spring arm are moved rearwardly from the cabinet providing a space for loading the cabinet with sacks.

2,578,116
RECEPTACLE TILTING AND UNLOADING DEVICE
Frank J. White and Carl W. Scott, Beatrice, Nebr., assignors to Tote Engineering, Inc., Seattle, Wash., a corporation of Washington
Application February 8, 1950, Serial No. 143,094
16 Claims. (Cl. 214—1.1)



1. An unloading device for receptacles having side and bottom walls and a discharge opening in one thereof and adjacent the bottom of said receptacle comprising a hopper having a material receiving opening; gasket means surrounding said material receiving opening and sealable between the same and the wall of said receptacle having said discharge opening therein, and around said discharge opening; tongue means rigidly connected with said hopper for supporting the bottom portion of a receptacle and with said receptacle abutted against said hopper; and pivot means connected with said hopper and said tongue means to permit angular movement thereof and of a receptacle supported on said tongue to discharge the contents of said receptacle into said hopper.

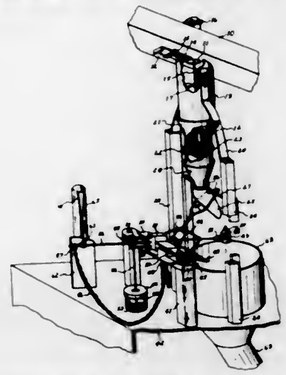
2,578,117
KNITTING NEEDLE
James C. Winslow, Inglewood, Calif., assignor to Winslow Product Engineering Corp., Los Angeles, Calif., a corporation of California
Application August 20, 1949, Serial No. 111,513
3 Claims. (Cl. 66—117)



1. A knitting needle comprising a shank formed with a point which includes a frusto-conical section merging at its large end with said shank, and a slender elongated straight-sided cylindrical tip section joined to the small end of said frusto-conical section, said point terminating at the outer extremity of said cylindrical tip section in a blunt rounded-over end.

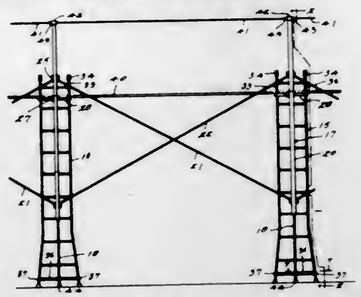
2,578,118
APPARATUS FOR MEASURING APPARENT DENSITY OF FLOUR, MEAL, AND THE LIKE
Paul J. Wood, Danville, Ill.
Application March 3, 1947, Serial No. 732,030
2 Claims. (Cl. 73—32)

1. An apparatus for continuously determining the apparent density of comminuted solids flowing through a duct which comprises means for directing a free falling stream of said solids through a test zone, a bob of smaller cross section than the falling stream, a lever mounted for limited pivotal movement at a point intermediate its length, said bob being suspended on one arm of a lever centrally of the path of fall of said test stream in such a manner that the powder falls on and around it, the other arm of said lever comprising adjustable counterbalancing means, and means for indicating the degree of deflection of said bob caused by said test stream of solids striking it, said means for directing said



stream comprising a variable spout linked with the lever so that movement of the bob causes corresponding movement of the spout whereby the stream of solids is continually directed upon the bob.

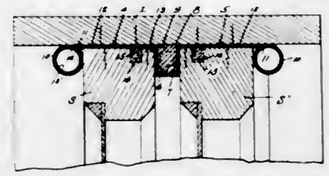
2,578,119
SCAFFOLDING DEVICE
Frank A. Yench, Two Rivers, Wis.
Application April 25, 1949, Serial No. 89,489
1 Claim. (Cl. 304—3)



A scaffold comprising a pair of uprights, each upright formed of a pair of telescopically arranged members, means securing said members in lengthwise adjusted position, crossed braces fixed between said uprights, a pair of ladders disposed one adjacent each upright and diverging upwardly from the lower ends of said uprights, a pair of horizontally disposed Y-shaped members, a pair of bars at the upper end of each ladder, caps carried by said bars engaging over the upper ends of the ladder rails, a pair of ears fixed to the lower ends of each bar, means pivotally securing the divergent arms of said Y-shaped members between said ears, a loop fixed to each upright, and means adjustably securing the shank of said Y-shaped member in said loop, a guard rail, and means securing said guard rail to the upper ends of said uprights.

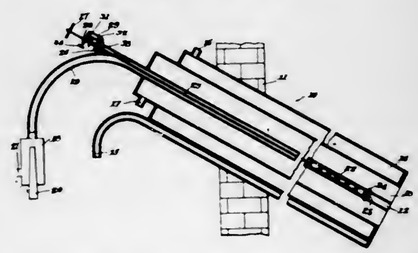
2,578,120
GUIDE FOR WINDOW SASHES
Louis Zeman, Danbury, Nebr.
Application January 15, 1946, Serial No. 641,247
1 Claim. (Cl. 20—44)

The combination, with a window frame having opposite, flat-surfaced side jambs and with spaced sashes having flat side surfaces and mounted for vertical sliding movement between the jambs, of a pair of vertically disposed plates secured in side-by-side relation to each side jamb, said plates having flat center portions secured flat against the associated jamb; L-shaped flanges integrally formed upon the inner edges of the plates and outstanding from the frame, the flange of one plate being slidably interfitted with the flange of the other plate to fill the space between the sashes and provide a parting strip of adjusted width along which the inner faces of the sashes slide; longitudinally slit guide tubes integral with the outer edges of the plates and outstanding from the frame, said tubes contacting the outer



faces of the sashes to constitute window stops and cooperating with said flanges to provide spaces in which the sashes are mounted for sliding movement; plates having flat center portions secured to the flat sides of the sashes and frictionally engaging and slidable upon the center portions of the first-named plates; a longitudinally slit tubular slide integral with the outer edge of each of the last-named plates and frictionally engaging and slidable within the guide tubes; and an angularly offset portion integral with the inner edge of each of the last-named plates and frictionally and slidably engaged by the L-shaped flanges of the first-named plates, the last-named plates being in contact for their full widths with the respective first-named plates.

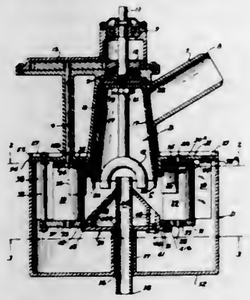
2,578,121
FLAME DIVERGENCE CONTROLLING MEANS FOR FUEL OIL BURNERS
Edward Thomas Walter Bailey, Hamilton, Ontario, Canada
Application June 14, 1948, Serial No. 32,895
In Canada April 6, 1948
5 Claims. (Cl. 299—117)



1. In a fuel oil burner for open hearth furnaces having a passage for atomized oil under pressure, in said passage for controlling divergence of such atomized oil under pressure after leaving the burner said means being adjustable between two extreme positions in one of which turbulence in the flow in said passage is eliminated and in the other of which a whirling motion is imparted to the atomized oil, said divergence controlling means comprising a ribbon-like flexible strip extending longitudinally of said passage, means fixing one end of said strip cen-

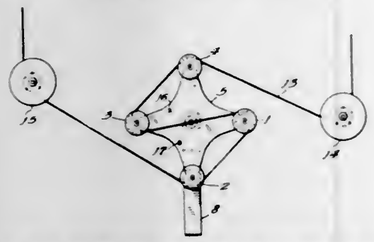
trally in said passage, and a rod connected to the other end of said strip and mounted for rotation from the outside of said burner to adjust the strip between flat and twisted condition.

2,578,122
JUICE EXTRACTING DEVICE
Telesphore J. Beaudet, Glen Ellen, Calif., assignor to Stephen S. Townsend, Piedmont, and Charles E. Townsend, Jr., Oakland, Calif.
Application July 26, 1949, Serial No. 106,852
6 Claims. (Cl. 100—47)



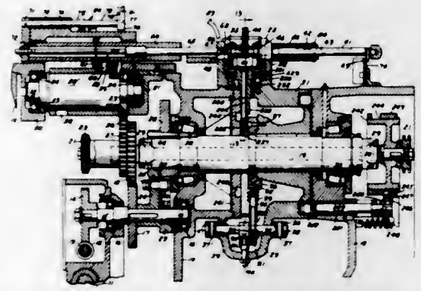
6. A device for extracting juice from lumps of food material such as fruits, vegetables and the like comprising, a housing having an admission port communicating with the interior of said housing, a grinding mechanism comprising a rotatable grinding element mounted in said housing adapted to pulverize lumps of material introduced into the interior of said housing through said admission port and to convert the lumps of material into a wet mash of pulp and juice, and a substantially liquid-tight container having sides comprising a plurality of rotatably mounted, cylindrical squeezers and a bottom comprising a plug removably attached with respect to said squeezers, said plug together with said squeezers forming a liquid-tight chamber, and said grinding mechanism operating to forward the pulverized material into said container, said squeezers adapted upon rotation to squeeze the juice from the pulp and carry the latter outwardly from said container.

2,578,123
FILM TENSIONING APPARATUS
Herbert A. Bendfelt, Oak Park, Ill., assignor to Mills Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application August 9, 1946, Serial No. 689,582
5 Claims. (Cl. 242—155)



1. A film tensioning device comprising a rotatably mounted star wheel, a support on which said wheel is rotatably mounted, spring means tending to rotate said wheel in one direction, and four film engaging rollers on the points of said star wheel engageable with the film in a path of travel of the latter with the film contacting opposite sides of opposed rollers in such manner that tension of the film tends to rotate the wheel in direction opposite to that in which said spring means tends to rotate the same, whereby said opposed forces maintain the film under constant tension and take up slack occurring therein, said wheel being so positioned and arranged in the path of travel of the film that the film normally engages only two of the rollers thereon and engages the remaining rollers only after rotation of the wheel substantially beyond a quarter turn in tensioning direction upon infrequent occasions when an extreme slack condition develops in the film.

2,578,124
MACHINE FOR ASSEMBLING PISTONS TO WRIST PINS AND CONNECTING RODS
Christian A. Birkebak, Detroit, Mich.
Application June 18, 1949, Serial No. 99,958
9 Claims. (Cl. 29—33)

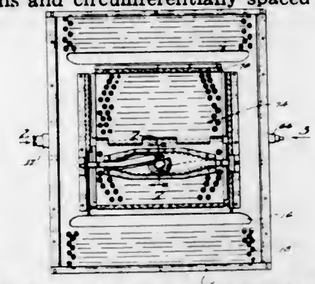


5. In a machine for automatically assembling wrist pins to pistons and connecting rods the combination of, a rotatable work wheel adapted to carry sets of said parts in spaced-apart receptacles provided in the rim of said wheel; driving mechanism including an intermittent drive for rotating said wheel to successively bring each of said parts to predetermined stops along its cyclatory path of travel; a plunger, operated by said driving mechanism in timed relationship therewith, at one of said stops along said path for forcing each wrist pin into the bosses and bearing of its companion piston and rod; and mechanism, operated by said driving mechanism in timed relationship therewith, at another of said stops rearwardly of the first mentioned stop along said path for forming and inserting a ring in retaining engagement in each of said bosses adjacent the respective ends of said wrist pin.

2,578,125
CLOSURE FOR WASHING MACHINE CYLINDERS
Hyman D. Brotman, Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana
Application November 15, 1945, Serial No. 628,839
1 Claim. (Cl. 160—206)

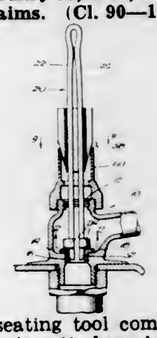
A closure for an opening in the cylindrical wall of a cylindrical container, comprising a pair of arcuate sections hinged to each other in end-to-end relation with the free end of one section hinged to said wall at one end of said opening, channel-shape guideways extending along the respective side edges of the opening, means on

the free end of the other section projecting into said guideways to confine said end to the surface of said wall during opening and closing movement, a pair of bars mounted on one of said sections and circumferentially spaced from said



means, said bars being movable parallel to the axis of the cylinder and engageable in the respective guideways to hold the sections against hinging movement, and means for simultaneously moving said bars into and out of locking position.

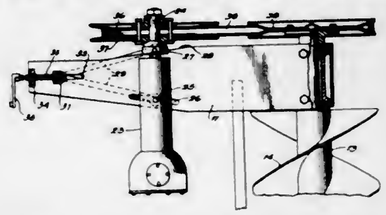
2,578,126
TOOL
Louis J. Charipar, Chicago, Ill.
Application February 13, 1947, Serial No. 728,335
4 Claims. (Cl. 90—12.5)



1. A valve reseating tool comprising, in combination: a one-piece U-shaped handle; each leg of said handle being of uniform cross section; the cross section of each leg being a half circle; the flat faces of said legs facing toward each other; and a one-piece half-flange attached on the curved face of each leg at a point spaced inwardly from the end of the leg; each flange having a serrated face defining cutting edges on the half-annular face facing toward the end of the leg; said edges being all parallel to each other, whereby rotation of the tool about its axis causes successive edges to scrape at different angles; the edges on said half-flanges facing in the same sense with respect to rotation around the axis of said tool; said handle being resilient and tending to separate its legs more widely than the position resulting from inserting the leg ends in a valve seat, whereby correct guiding contact with the valve seat is maintained without adjustment or attention by the operator.

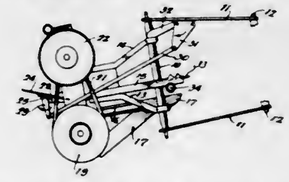
2,578,127
EARTH TERRACER WITH VARIABLE-SPEED TRANSMISSION
Edgar V. Collins, Ames, Iowa, assignor to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
Application January 15, 1945, Serial No. 572,854
5 Claims. (Cl. 97—43)

4. In combination with a soil moving machine having a frame, a soil cutting and elevating member on the frame, and a rotatable soil throwing member mounted on the frame in a position to receive soil directed thereon by said soil cutting and elevating member, a drive unit for the soil throwing member comprising a bevel gear mechanism having a shaft lying substantially parallel to the axis of the soil throwing member, a V-pulley on the shaft, a V-pulley on the soil



throwing member, a V-belt drivably connecting the pulleys, one of the V-pulleys being formed of axially separable parts to vary the driving ratio and being movable toward and away from the other pulley, and a lever connected to one of said separable pulley parts and movable to shift said part relative to the other.

2,578,128
EARTH-MOVING APPARATUS
Edgar V. Collins, Ames, Iowa, assignor to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
Application April 26, 1946, Serial No. 665,127
6 Claims. (Cl. 97—43)

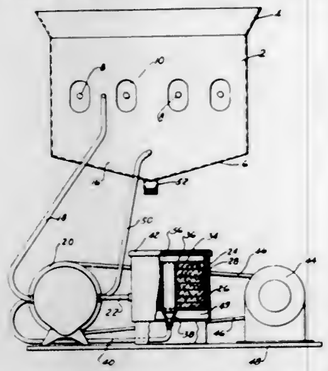


2. In combination with a tractor, a plow frame adapted to be drawn thereby, said frame being provided with a rigid cross bar, rails connecting the ends of the cross bar to side portions of said tractor, an earth-moving member mounted on said frame, a disk carried by a shaft rotatably mounted in said frame and extending to the rear of said earth-moving member and to a depth below said earth-moving member, said shaft being provided with a crank arm, a bracket carried by said cross shaft, an actuating member pivoted upon said bracket and adapted to be engaged by one of said rails, and a connecting rod between said crank arm and said actuating member whereby the sidewise movement of said rail effects the turning of said disk.

2,578,129
COOKING OIL FILTERING APPARATUS
Thomas Daugherty, Tulsa, Okla.
Application August 31, 1949, Serial No. 113,278
1 Claim. (Cl. 99—403)

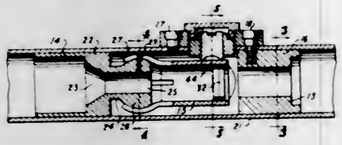
A cooking apparatus comprising, a container adapted to contain deep fat into which the food to be cooked is introduced, said container having a conical bottom portion, means for heating the deep fat including a tubular housing extending across the container at substantially the media region of the vertical height and having a heating unit therein adapted to concentrate the

heat at the top portion of the tubular housing, said container having an outlet at substantially the level of the heating means, pumping means connected with the outlet for removing used fat from the container, filtering means connected with the pump for receiving the used fat and fil-



tering it, and means for returning the filtered fat to the container including a conduit connecting the filtering means with the container adjacent the bottom thereof and arranged to deliver the fat to the container in a stream directed horizontally and transversely of the container.

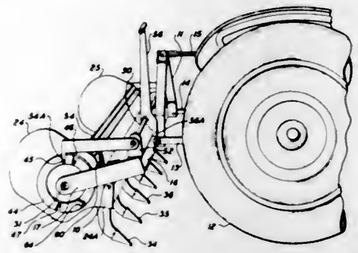
2,578,130
TELESCOPIC SIGHT
Thomas L. Ford, Tyler, Tex.
Application May 29, 1947, Serial No. 751,332
1 Claim. (Cl. 33—50)



A reticule support for telescopic sights including, a tubular support, a ball-type head extending from the support and having a bore alined with the bore of the support, a reticule cylinder having a socket at one end movably receiving the head, said socket having a plurality of slots extending substantially parallel to the longitudinal axis of the reticule cylinder, a reticule at the opposite end of the cylinder, a pin carried by the head and extending into one slot of the socket, said socket having an additional slot extending substantially parallel to one of the first named slots to form a resilient finger contiguous to said first named slot, said finger engaging and bearing against the pin.

2,578,131
COMBINATION EARTH SCRAPER AND SCARIFIER
Roy C. Gannon, Rivera, Calif.
Application April 5, 1948, Serial No. 18,907
5 Claims. (Cl. 37—145)

1. Multi-purpose earth working apparatus for use with a mobile power unit which comprises a support adapted for attachment to the power unit, a pair of rearwardly extending arms fixed to the support, a trough-shaped double edged blade rotatably mounted on its longitudinal axis between the arms, wings fastened respectively to the ends of the blade and extending transversely thereof in the direction of the concave side of the blade, a set of scarifying teeth mounted adjacent the convex side of the blade and extending outwardly therefrom and so disposed that they are above the bottom of the blade when the



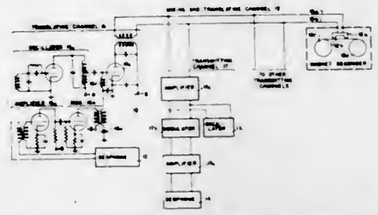
latter is in a relatively upright position, means for locking the blade when it has been rotated to an inclined position to permit the teeth to extend below it, means for locking the blade in an approximate upright position with its concave face forward and means for locking the blade in an approximately upright position with its concave face rearward.

2,578,132
FEED CONTROL ATTACHMENT FOR TORCHES
John Roy Garrett, Aurora, Ill.
Application August 19, 1948, Serial No. 45,087
3 Claims. (Cl. 33—32)



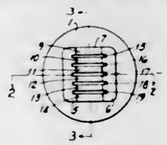
1. In a cutting torch guide device, said device comprising a flat elongated guide member, the outer side of said guide member being upwardly off-set in relation to the other side of the guide member, spaced frames to the outside of the upwardly off-set portion of the guide member, downwardly extending magnets carried by said spaced frames and adapted to engage an attracting surface, the upwardly off-set side of the guide member being disposed in longitudinal channels in the inner sides of the frames, means for detachably holding said upwardly off-set portions of the guide member in the channels of the frames, surface piercing members carried by the frames, said frames being longitudinally adjustable on the guide member.

2,578,133
SYSTEM OF SEISMIC RECORDING
James E. Hawkins, Tulsa, Okla., assignor, by mesne assignments, to Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware
Application November 8, 1944, Serial No. 562,552
9 Claims. (Cl. 346—33)



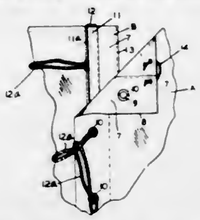
1. A system for first producing on an elongated magnetizable medium a composite magnetic record of a plurality of phase related seismic signals which are separately collected in the presence of noise at different points, for then separately reproducing the phase related signals in their original phase relationship and for mixing the reproduced signals to produce resultant signals of a predetermined character; which comprises a magnetic recording head for magnetically recording signals on said medium, a plurality of dispersed signal pickup devices operative separatively to pick up said phase related seismic signals and the accompanying noise at said different points, means for separately modulating carriers having different frequencies with said signals and the accompanying noise, a composite signal channel for concurrently impressing the modulated carriers upon said recording head, reproducing means including signal separating channels individually corresponding to said carrier frequencies and each provided with a carrier selective filter followed by a signal and noise demodulator, a mixing network including means for mixing at least two of the demodulated signals to produce a resultant signal, and means included in said signal separating channels at points following said demodulators for preventing at least certain frequency components of the noise from entering said mixing network.

2,578,134
ELASTOMER COIN RECEPTACLE
Lester L. Headrick, Mars, Pa., assignor of one-half to Thomas L. Connolly, Wilkinsburg, Pa.
Application September 8, 1949, Serial No. 114,508
2 Claims. (Cl. 206—0.84)



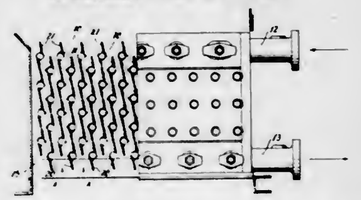
1. An integral elastomer coin receptacle to be detachably supported on objects, comprising a body member, means to attach and support the body member in spaced relation to the object on which it is to be detachably supported to permit flexibility of the body member, a pair of flexible arms extending outwardly from said body in parallel spaced relation to each other, the surface of the body member extending arcuately between the inner adjacent surfaces of said arms to form a cradle, a series of parallel ribs each extending continuously from the outer end of one arm and around the arcuate cradle surface of the body member to the outer end of the other arm to form a series of continuous coin receiving slots, said arms and body flexing when supporting a coin.

2,578,135
SECTIONAL ATHLETIC FIELD COVER
Cyrus J. Hoigaard and Frank W. Boeck, Minneapolis, Minn., assignors to C. J. Hoigaard Co., Minneapolis, Minn., a corporation of Minnesota
Application November 25, 1946, Serial No. 712,166
2 Claims. (Cl. 273—55)



1. A sectional protective covering for areas such as athletic fields having in combination, a plurality of elongated sections constructed of water repellent material each of said sections having one of its longitudinal edges overlapped against itself to form a water sealing fold with the free edge thereof unattached to the underlying marginal portion of the section and having a reinforcing water sealing bead connected along said unattached free edge of the water sealing fold, a series of longitudinally spaced interconnecting elements attached along said free edge, the opposite longitudinal marginal portion of each section having a plurality of spaced connecting elements for cooperating with said interconnecting elements to permit continuous sealing of the adjacent marginal portions of two adjoining sections.

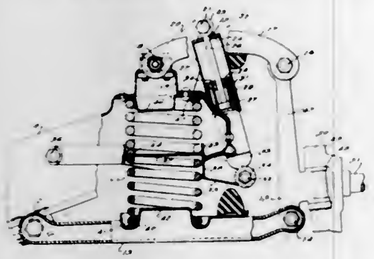
2,578,136
TANGENTIALLY FINNED HEAT EXCHANGE TUBES
André Huet, Paris, France
Application May 16, 1947, Serial No. 748,561
In France May 24, 1946
3 Claims. (Cl. 257—262)



2. In a heat exchanger having a gas passage through which heating gases flow over a plurality of fluid circulating tubes disposed transversely of the gas stream in spaced relation in several parallel rows located in planes perpendicular to the direction of gas flow; a pair of heat transfer fins mounted at substantially diametrically spaced points on the tubes to extend longitudinally thereof and projecting approximately tangentially from the tube surfaces, the tubes in adjacent rows being staggered with respect to each other and being so disposed in the gas passage that fins on opposite sides of tubes

in alternate rows have their distal ends alined with each other so as to divide said passage into a number of sinuous gas lanes therebetween, the tubes being so oriented that the fins thereon project from their surfaces into the gas stream at angles slightly inclined with respect to planes parallel with the general direction of gas flow through said passage.

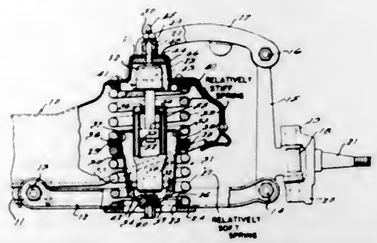
2,578,137
SUSPENSION
Robert N. Janeway, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 29, 1945, Serial No. 613,291
9 Claims. (Cl. 267—8)



1. In a vehicle, body-connected structure, an upper link pivotally connected at one end to the body-connected structure, a wheel-carrying member connected to the other end of the upper link, rigid lower link structure having one end pivoted to swing on said body-connected structure and a spring seat portion with an annular spring seat groove formed therein, said rigid lower link structure having the opposite end pivotally connected to the wheel-carrying member, an intermediate member having reception-forming portions adapted for connection with said body-connected structure and rigid lower link structure, a relatively soft interposed coil spring received by one of said intermediate member reception-forming portions and having a remote end seated in the spring seat groove formed in the rigid lower link structure thereby providing a spring connection between the intermediate member and rigid lower link structure, said body-connected structure being provided with spring engagement means, a relatively stiff interposed coil spring received by a second intermediate member reception-forming portion and having a remote end engaging said spring engagement means of the body-connected structure, and a telescopic shock absorber having an articulated mounting at one end detachably connected to the intermediate member and an articulated mounting at the other end detachably connected to said body-connected structure to dampen oscillations of the relatively stiff interposed coil spring.

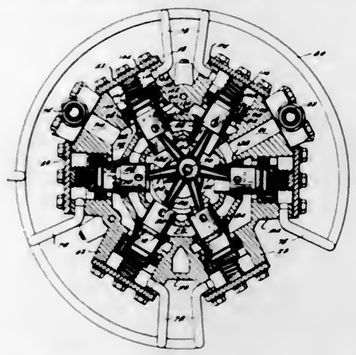
2,578,138
SUSPENSION
Robert N. Janeway, Detroit, and Philip H. Pretz, Wing Lake, near Birmingham, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 29, 1945, Serial No. 613,290
3 Claims. (Cl. 267—20)

1. In a vehicle, a body-connected member, a wheel carrier, link members pivotally connected at one end to the body-connected member and at the other end to the wheel carrier, a cup-shaped intermediate support provided with a flange at the edge remote from the base, a first coil spring acting between the body-connected member and one side of the flange on the intermediate support, a second coil spring acting between one link member and the other side of the flange and being axially aligned with the first coil spring, the cup-shaped intermediate support being positioned within the second coil spring and an hydraulic telescopic shock absorber to provide damping means positioned within the first coil spring and



the intermediate support and respectively end-connected to the base of the intermediate support and to the body-connected member against which the said first coil spring acts, the damping means thereby acting in parallel with the said first coil spring to absorb energy upon all relative movement of the parts toward and away from one another between which the said first coil spring is connected and to leave the said second coil spring free to cushion impact, the damped coil spring being relatively stiff, and the undamped coil spring being relatively soft.

2,578,139
MULTIPLE-EFFECT COMPRESSOR
Robert L. Jones, Jr., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 5, 1947, Serial No. 746,062
6 Claims. (Cl. 62—115)



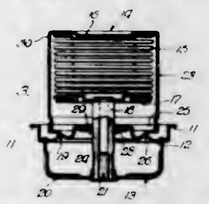
4. A cylindrical liner having ports in the side wall thereof and adapted to form the operating cylinder of a refrigerant compressor when assembled therewith and a baffle adapted to circumscribe said liner and cooperate with the side wall thereof to define a passage adapted to convey refrigerant to said ports, said baffle being reversible so that it may optionally be assembled with said liner in either of two positions thereby to selectively define either of two potential passageways to said ports.

2,578,140
STRETCHABLE DIAPHRAGM
Carroll P. Krupp, Barberton, and Frank G. Gerber, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 12, 1946, Serial No. 696,532
8 Claims. (Cl. 105—15)



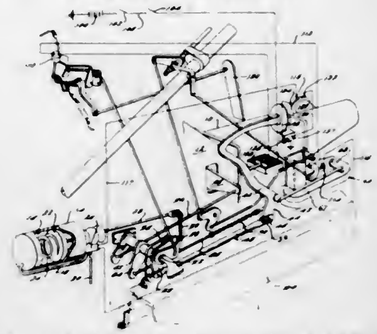
1. A stretchable diaphragm having attaching edges at opposite ends for connecting articulated railroad members, said diaphragm comprising a sheet elastic member, a backing member secured to said elastic member at a plurality of positions spaced from the edges of the diaphragm in a direction longitudinally of the railroad members, said backing member being corrugated with corrugations extending continuously transversely of the railroad members throughout the extent of said backing member in a manner such that said elastic member is extensively stretchable before full extension of said backing member is effected, and bodies of resilient material having voids therein disposed in spaces formed by said corrugations between said elastic member and said backing member throughout the length of the corrugations, said bodies accommodating the stretching action and consequent flattening of said corrugations by distortion of said resilient material and also by virtue of the compressibility of said bodies in total volume as permitted by said voids in said resilient material.

2,578,141
THERMOSTAT CONTROL MEANS FOR ENGINE COOLING SYSTEMS
Ralph T. Marette, Cleveland Heights, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 19, 1949, Serial No. 128,381
6 Claims. (Cl. 236—34)



1. In thermostatic control means for engine cooling systems, an engine block having a cooling water space with an outlet opening, an outlet fitting on said block, a stationary valve seat member between said block and fitting defining a passage therebetween, a thermostat bellows in said fitting at the outlet side of said passage comprising a corrugated body closed at its inner end by an imperforate inner stationary head and at its outer end by an outer movable head attached to and movable with the outer end of said body, and a housing attached to said movable head extending therefrom inwardly along said bellows body exteriorly thereof and beyond said inner head and provided at its inner end with a valve member cooperating with said valve seat member and movable toward and away from the latter independently of said inner head, said valve member being open for entry into said housing of water from the inner side of said seat member and said housing having a restricted opening for escape of water therefrom and being otherwise closed.

2,578,142
ELECTRICAL CIRCUIT FOR A TRANSMISSION AND CLUTCH CONTROL APPARATUS
Robert L. Mayrath, Berkley, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 18, 1947, Serial No. 780,722
8 Claims. (Cl. 74—472)

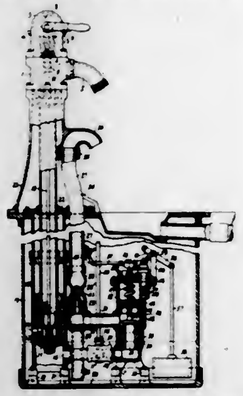


1. A control for an automotive transmission having components adapted to be moved to effect a first and a second speed ratio drive comprising a power element, motion transmitting means operatively connecting said power element and said components and adapted to move said components in response to movement of said power element, a solenoid, means associated with said solenoid and adapted to effect movement of said power element when said solenoid is energized, a grounded source of electric energy electrically connected to said solenoid, electrical circuit means responsive to vehicle speed and speed ratio drive to control the initial energization of said solenoid by providing a ground therefore under predetermined conditions of vehicle speed and speed ratio drive a supplemental circuit to ground said solenoid including grounded switch means adapted to be closed by the energization of said solenoid to maintain energization of said solenoid independently of subsequent deviations of vehicle speed and ratio drive from said predetermined conditions, and switch means operatively associated with said motion transmitting means and adapted to open said circuits to deenergize said solenoid when said motion transmitting means is in a predetermined position.

2,578,143
WATER SERVICE APPARATUS
John T. McGarry, Cincinnati, Ohio; Mary Frances McGarry, executrix of said John T. McGarry, deceased, assignor to Railroad Products Company, Cincinnati, Ohio, a corporation of Ohio
Application February 29, 1944, Serial No. 524,392
8 Claims. (Cl. 137—13)

1. Water service apparatus comprising a riser and means below ground level for admitting water under raised pressure to the apparatus to be passed upward through the riser for use, and comprising a reservoir below the ground level, the riser having a drain outlet through which drainage passes from the riser down into the reservoir for storage between uses of the apparatus, forcing means operated by fluid under raised pressure to displace the drainage upward from the reservoir, control means to cause starting and stop-

ping for said forcing means, said apparatus comprising disposal means separate and distinct from the riser whereby the drainage is conducted upwardly to the exterior of the apparatus without



intermixing of the drainage with the water in the riser, and means for receiving the discharged drainage, spaced down from the outlet of the disposal means, whereby matter is precluded from passing from the receiving means into said disposal means, reservoir and riser.

2,578,144

CATALYST FOR THE REACTION OF CARBON MONOXIDE AND HYDROGEN WITH UNSATURATED COMPOUNDS

Wallace A. McMillan, Glenham, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 15, 1949, Serial No. 87,832

4 Claims. (Cl. 260—604)

3. A method for preparing carbonylic compounds which comprises reacting olefins, carbon monoxide and hydrogen under suitable conditions, temperature and pressure in the presence of a metallic cobalt catalyst and adding a cobalt salt of acetyl acetone during said reaction.

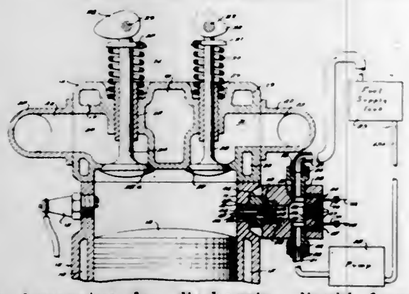
2,578,145

APPARATUS FOR HANDLING LIQUIDS

John R. Miller, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 17, 1946, Serial No. 703,862

11 Claims. (Cl. 315—11)



1. Apparatus for discharging liquid from a chamber into the combustion chamber of an internal combustion engine, said apparatus including a mass of insulating material forming a wall of the chamber, a plurality of electrodes provided with relatively diverging electrode terminals and having each an end projecting through and held by the insulating mass such as to dip into the liquid in spaced relation to any other electrode end, and conductor means embedded in the mass of insulating material and exposed to the liquid between the electrodes and in spaced relation thereto.

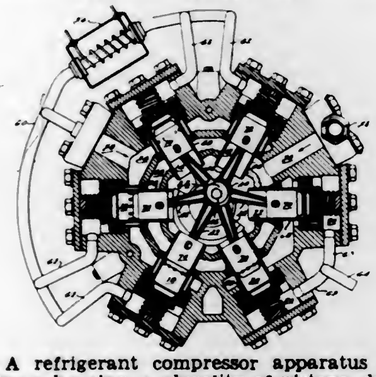
2,578,146

COMPRESSOR

Alwin B. Newton, Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application August 26, 1947, Serial No. 770,641

8 Claims. (Cl. 230—46)



1. A refrigerant compressor apparatus comprising a housing, a plurality of pistons, driving means to reciprocate said pistons, a plurality of cylindrical liners assembled in said housing, one of said liners being assembled in operative relationship with each of said pistons and receiving said piston for reciprocation therein, first means forming a refrigerant inlet passage in said housing, second means associated with said housing and forming a refrigerant discharge passage, a third means forming an intermediate fluid flow passage in said housing, a first valve means to control the admission of refrigerant to each of said liners, a second valve means to control the discharge of refrigerant from each of said liners, a skirt associated with each of a first group of said liners and adapted to cooperate with said housing to provide a fluid flow connection between the first valve means of said first group of liners and said inlet passage, a skirt associated with each of a second group of said liners and adapted to cooperate with said housing to provide a fluid flow connection between the first valve means of said second group of liners and said intermediate passage, means associated with said compressor and adapted to provide a fluid flow communication between the second valve means of said first group of liners and said intermediate passage and means associated with said compressor and adapted to provide a fluid flow communication between the second valve means of said second group of liners and said discharge passage.

2,578,147

FUEL FEEDING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

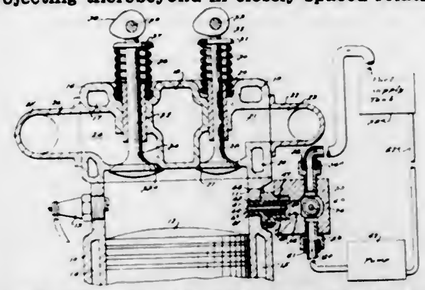
Paul T. Nims, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 28, 1946, Serial No. 680,190

11 Claims. (Cl. 123—136)

1. In apparatus for increasing the pressure of a contained mass of fluid to effect the spark-

injection thereof, the combination with a first electrode, a shell electrode facing the first electrode in relatively widely spaced relation thereto, a rod electrode positioned in the shell electrode in spaced and insulated relation thereto and projecting therebeyond in closely spaced relation



to the first electrode, and apposite means for creating an electrical discharge between the first electrode and the shell electrode, of means for causing the said electrical discharge to initiate a significant electrical discharge between the first electrode and the rod electrode, all the electrodes being in the mass of fluid.

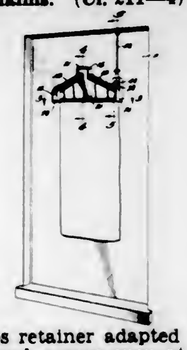
2,578,148

CLOTHES RETAINER

Leo Peters, Evanston, Ill.

Application March 2, 1949, Serial No. 79,223

7 Claims. (Cl. 211—4)



1. In a clothes retainer adapted to be secured to a building panel, a case open at its front and secured to the outside of said panel, a closure mounted on said case for movement to clamping position therein, lock-controlled latch means for maintaining said closure in clamping position until said latch is released, and a draw member extending into the interior of said building also for releasing said latch.

2,578,149

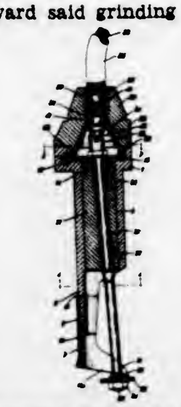
PORTABLE CYLINDER GRINDING TOOL

Tebaldo G. Pocci, Canton, Ohio

Application August 6, 1948, Serial No. 42,762

2 Claims. (Cl. 51—170)

1. A portable cylinder grinding hand tool having a cylindrical housing, a bearing block rotatably mounted in and substantially coextensive with said housing, means for rotatably adjusting said block in said housing, a power-driven spindle journalled in said block in bearings inclined at an angle to its axis and having an outer projecting end located eccentrically of said housing, a grinding wheel secured on said outer projecting end, and a guide extending longitudinally from one side only of said housing and having a narrow guide element extending laterally from its outer end toward said grinding wheel for positioning the grinding wheel relative to a spot on the inner surface of a cylinder.



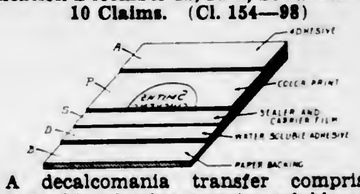
2,578,150

DECALCOMANIA AND METHOD OF APPLYING SAME

Harry C. Rathke, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois

Application December 12, 1947, Serial No. 791,246

10 Claims. (Cl. 154—98)



1. A decalcomania transfer comprising a porous backing having a water soluble adhesive coating thereon, a resin-free sealer film comprising cellulose nitrate lacquer applied directly upon said coating, a transfer design applied over said sealer film, and an organic solvent-softenable, resin-free adhesive layer comprising ethyl cellulose over said design.

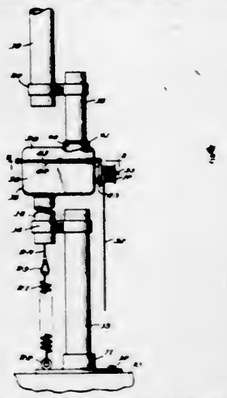
2,578,151

MAST TURNING GEAR MECHANISM

Howard W. Ronfeldt, Toledo, Ohio, assignor to Ronfeldt Associates, Inc., a corporation of Ohio

Application September 19, 1950, Serial No. 185,599

14 Claims. (Cl. 74—425)



1. A mast turning device comprising a sup-

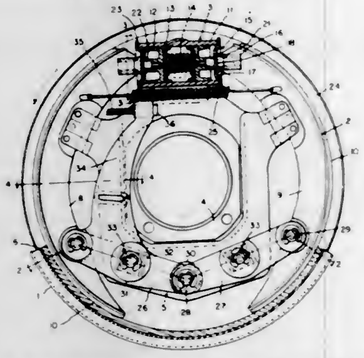
porting structure, said supporting structure having a plate, laterally disposed aligned upstanding arms formed integrally with said plate, a shaft journally mounted in said upstanding arms for free rotation, a stationary cylindrical upstanding post integral with said plate, said post spaced outwardly from said shaft, a worm fastened to said shaft, a worm gear journally mounted on said stationary cylindrical upstanding post, means joining said worm gear to said mast, and means for rotating said shaft.

2,578,152

INTERNALLY EXPANDING BRAKE

Elmer R. Ross, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application August 18, 1947, Serial No. 769,241
3 Claims. (Cl. 188—78)



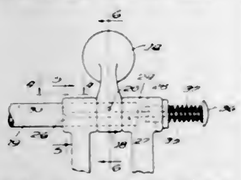
1. A brake comprising a brake drum, a pair of internal brake shoes engageable with said drum and having adjacent ends adapted to be spread apart and be individually anchored depending on the direction of rotation of said drum, levers pivotally connected at adjacent ends to each other and at opposite ends to said shoes near the opposite ends of said shoes, said levers diverging with respect to each other in a direction towards said adjacent ends of said shoes from their pivotal connection with each other to their pivotal connections with said shoes, a slide pivotally connected to each of said levers intermediate its ends and a guiding element for each of said slides, said guiding elements diverging with respect to each other in a direction toward said adjacent ends of said shoes.

2,578,153

TOILET SEAT LOCKING HINGE

Frederick J. Schmitz, Chicago, Ill.

Application August 29, 1946, Serial No. 693,673
2 Claims. (Cl. 4—236)



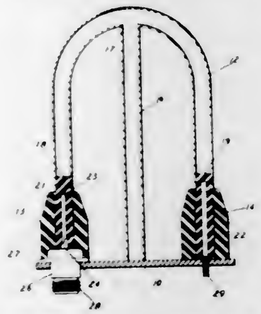
1. In a toilet seat locking hinge comprising spaced brackets mounted on a bowl, a hinge shaft carried by said brackets and spaced above said bowl, hinge members journaled for swinging rotation on said hinge shaft and carrying a seat assembly for the bowl, one of said hinge members and the hinge shaft having notches aligned when the seat assembly is in a closed position with respect to the bowl, a locking member engaging the aligned notches and holding the seat assembly in closed position, said locking member including an extension running centrally of said hinge shaft and having one end extending radially outwardly through the aligned notches in the hinge member and hinge shaft, a push button mounted on the other end of the extension, and a coil spring surrounding said extension and positioned between the end of the hinge shaft and said push button and tending to normally hold said locking member in the notch engaging position, said locking member and extension being capable of axial movement in the hinge shaft by a manual force being exerted on the push button to overcome the force of the spring whereby the locking member disengages the notch in the hinge member and permits raising of the seat assembly, said hinge shaft having a second notch spaced radially from the first notch, and said second notch being shorter than the first notch and whereby the locking member upon being moved axially of the hinge shaft and then rotated may engage the shorter second notch which prevents contact of the locking member with the notch of the hinge member, whereby the effectiveness of the locking member as a seat assembly lock is eliminated.

2,578,154

RADIANT ENERGY ANTENNA

John P. Shanklin, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application September 3, 1949, Serial No. 114,018
5 Claims. (Cl. 250—33)



1. A half-wave antenna comprising a substantially one-half wave length semi-circular radiating portion, a first substantially non-conducting fastening member connected to one end of said radiating portion, a second substantially non-conducting fastening member connected to the other end of said radiating portion, said fastening members connected to an electrically conducting base, and a coaxial feeding cable with the outer conductor connected to said base and the inner conductor extending into said first fastening member to feed said antenna.

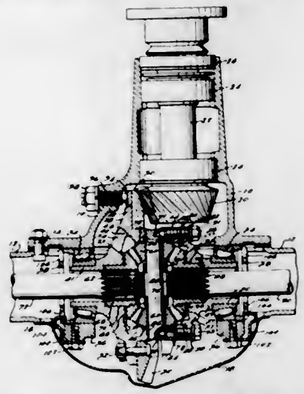
2,578,155

DIFFERENTIAL MECHANISM

George Slider, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 16, 1947, Serial No. 754,957
5 Claims. (Cl. 74—713)

1. In an axle assembly comprising a differential carrier and a driving pinion journalled in said carrier, a two-piece differential case journalled in said carrier, a driven gear carried by said differential case and positioned for driving engagement with said pinion, said two-piece differential case comprising a cup member having a bearing seat on the inner side of its bottom end portion and being open at its opposite end, oppositely disposed bearing seats on the inner surfaces of the side wall portion of said cup member, a side gear journalled in the bottom portion of said cup member adjacent the bearing seat in said bottom portion, a differential pinion shaft carried by the cup member, the end portions of said shaft being mounted in oppositely disposed aligned openings in the side wall portion of said cup member intermediate the ends of said cup member adjacent the bearing seats in said side wall portion, pinion gears



mounted on said pinion shaft, a removable cap member mounted on the open end of said cup member having a bearing seat on its inner face and peripheral flange portions adapted to seat on the open end portion of said cup member, a side gear journalled in the inner face of said cap member adjacent the bearing seat therein and meshingly engaging the said pinion gears, the gears within said case being interconnected for the transmission of torque, and casing bolts threaded through the cap member into the side wall of said cup member to connect said cap member to said cup member, at least one of said bolts functioning as a combination casing bolt and set screw and having an inner end portion adapted to seat against a side wall contained end portion of said pinion shaft to anchor said shaft in said cup member

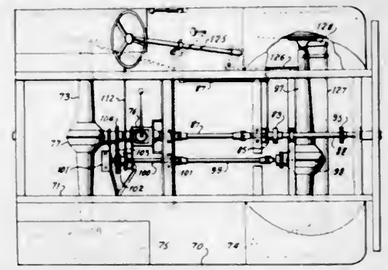
2,578,156

VEHICLE WITH DRIVE SHAFT COUPLED TO FORWARD EXTREMITY OF ENGINES

Oliver Ross Smith, Fort Worth, Tex.

Application January 24, 1947, Serial No. 723,995
2 Claims. (Cl. 180—49)

1. A vehicle having a prime mover removably mounted thereon including, a frame supporting the prime mover, front and rear axles supporting the frame, ground wheels rotatably moved on the axles, a differential connected in the rear axle, a transmission mounted on said frame and adjacent the rear thereof and having driving connection with the differential, a clutch mounted on said frame and having a driven member connected with the transmission, the clutch having a driving member engageable with the driven member, a drive connection extending forwardly from said clutch driving member and longitudinally of said frame beneath the prime mover,



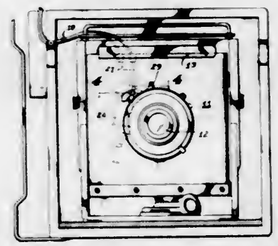
and means detachably connecting the last-named drive connection to the forward portion of said prime mover.

2,578,157

FLASH SYNCHRONIZER MOUNTING FOR CAMERAS

Dallas Throne, La Verne, Calif., assignor of one-half to James C. Reher, Jr., Covina, Calif.

Application July 11, 1947, Serial No. 760,391
3 Claims. (Cl. 95—11.5)



2. A lens board for cameras having a synchronizer mounted on the inner face thereof, means operatively connecting the synchronizer through the lens board to the shutter control, and contacts on the rear face of the lens board electrically connected to the synchronizer, said contacts being arranged to engage a complementary set of contacts on the lens board frame of a camera on which the lens board may be mounted.

2,578,158

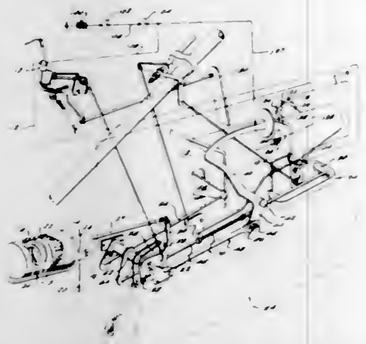
ELECTRICAL CIRCUIT FOR TRANSMISSION AND CLUTCH CONTROL

David F. Toot, Huntington Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 18, 1947, Serial No. 780,696
6 Claims. (Cl. 192—.073)

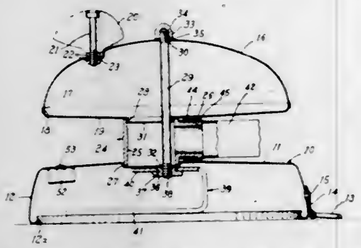
1. In a motor vehicle a variable speed transmission, control mechanism including a power operated member adapted to move from an initial position through a predetermined cycle including movement in a first direction to a predetermined position and return in response to predetermined vehicle operating conditions, a first means adapted to alternate the drive in said transmission between a first and a second speed ratio drive in response to successive cycles of said power member, electrical means to control the movement of said power member including a switch having a member movable between a first and a second position, means forming a lost motion operative connection between said switch member and said first means adapted to posi-

tion said switch member in said first position when said power member is in said initial position and while said power member moves through



a portion of its movement in said first direction and to position said switch member in said second position when said power member is in said predetermined position.

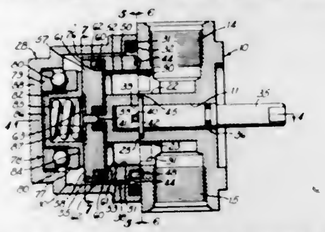
2,578,159
GARDEN HOSE REEL AND SPRINKLER
John E. Vance, North Canton, Ohio
Application June 16, 1949, Serial No. 99,381
4 Claims. (Cl. 299—53)



1. A combined sprinkler and hose reel comprising a substantially flat hollow base, a hollow, perforate sprinkler head of substantially the diameter of the base, a substantially T-shaped member located between the base and sprinkler head and communicating with the sprinkler head, and a hose connected at one end to the T-shape member and having a coupling at its other end, said hose being adapted to be coiled around said T-shape member, between the base and the sprinkler head, when not in use.

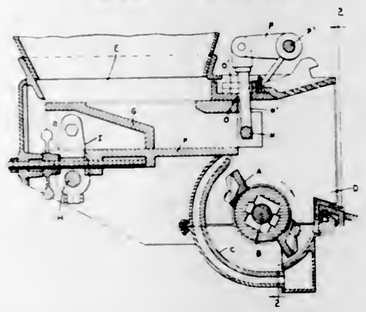
2,578,160
ROTARY FLUID VALVE
Jacob B. Van Der Werff, Burbank, Calif., assignor to General Metals Corporation, a corporation of California
Application April 1, 1949, Serial No. 84,794
15 Claims. (Cl. 251—85)

1. In a fluid valve, the combination of: a valve port member having a planar face and an inlet port and a discharge port, said ports communicating with said face; a plate member movable against said face and having at least one arcuate fluid passage in its side disposed against said face, a counterbore in the other side thereof and an orifice communicating between said counterbore and said arcuate fluid passage, the effective pressure area of the bottom of said counterbore being slightly greater than the effective pressure area of the bottom of said arcuate fluid passage, said plate member being movable to a first position in which said passage communicates between said inlet and discharge ports and to a second position in which said passage communicates with said discharge port but is out of communication with said inlet port; a plug member disposed in said counterbore, said plug member and said plate member being relatively slidable; stop means adapted to be engaged by said plug



to limit the sliding movement thereof in said counterbore in a direction toward said other side of said plate member in response to pressure fluid introduced into said counterbore by way of said arcuate passage and said orifice, when said plate member is in said first position, so as to cause movement of said plate member toward said valve port member and retain said plate member lightly engaged with said face of said valve port member in response to fluid pressure applied against said bottom area of said counterbore; and operating means for moving said plate member.

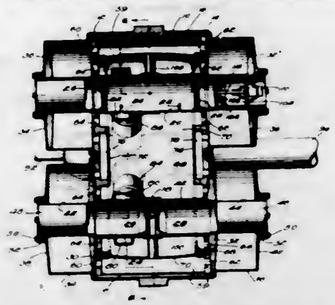
2,578,161
AGITATOR FOR SPREADER STOKER FEEDERS
Herbert Leonard Wagner, Detroit, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application October 11, 1948, Serial No. 53,934
3 Claims. (Cl. 214—18.3)



2. In a stoker of the sprinkler type, the combination with a rotary impeller, a spill plate on which the fuel is deposited, and a ram for pushing the fuel on said plate beyond the forward edge thereof; of a rod extending transversely across slightly in advance of said forward edge of the spill plate, and mechanism for vertically reciprocating said rod to successively press downward and break off portions of the fuel projecting beyond said forward edge.

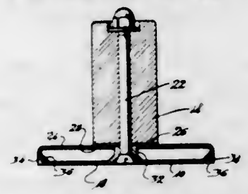
2,578,162
FREE PISTON UNIT ASSEMBLY
Rudolf N. Wallace, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 25, 1948, Serial No. 46,141
12 Claims. (Cl. 123—46)

1. A free-piston gas generator including a frame, a plurality of engine cylinders supported



by said frame in spaced parallel relation to each other, opposed engine pistons in each of said engine cylinders, compressor pistons connected to said engine pistons, compressor cylinders on said frame and fitting over said compressor pistons, and inlet and discharge valves in said frame for the inner end of each compressor cylinder, said frame defining therein an intake manifold communicating with all of the intake valves.

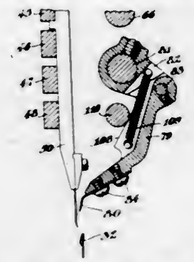
2,578,163
PLASTERER'S DARBY
Edward A. Whalen, Chicago, Ill., assignor to Wha-Lite Products, Chicago, Ill., a copartnership composed of Edward A. Whalen and Sidney F. Lundberg
Application July 9, 1949, Serial No. 103,886
1 Claim. (Cl. 72—136)



A substantially rectangular tubular darby blade, a central longitudinal rib connecting the front and back walls thereof, outer corners of the tube being internally beveled to provide thickened corners said outer corners being externally serrated, and handles on the back wall of said darby blade and secured thereto by countersunk bolts extending through said central rib.

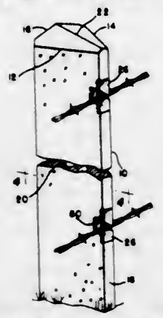
2,578,164
FULL-FASHIONED KNITTING MACHINE AND METHOD OF OPERATING THE SAME
Rudolph Anke, West Lawn, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application September 13, 1946, Serial No. 696,848
32 Claims. (Cl. 66—89)

1. A covering knife arrangement coacting with the needles and points of a full-fashioned knitting machine and comprising a shaft, an arm on said shaft, a second arm pivoted to said arm and having a knife thereon, a guide member, a cam surface on said second arm cooperating with said member to determine the path of the active edge of said knife, means for holding said cam surface against said guide member when the knife is to be used, said cam surface inclining rearwardly and downwardly, and means turning



said first arm to carry the pivot of said second arm downwardly and rearwardly to contact the active edge of the knife with the points and afterward turning it upwardly and forwardly to withdraw the active edge of the knife from the points along a path preventing contact of the knife edge with the fabric.

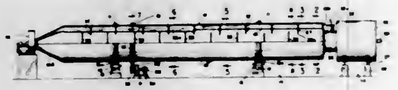
2,578,165
CONCRETE FENCE POST
Carl W. Bailey, Concrete, Wash.
Application October 28, 1950, Serial No. 192,717
5 Claims. (Cl. 256—19)



1. A concrete fence post, comprising: an elongated concrete post body of substantially uniform transverse dimensions having throughout the most of its length an outline in transverse cross section in the form of a triangle with two long sides and one slightly shorter side, the corners of said triangle being blunt and forming corner surfaces of short width which are substantially parallel to their opposed sides, said body having an opening therein of circular transverse cross section, said opening extending and tapering slightly from the bottom of said body to a point spaced a short distance from the top, said opening being substantialy equally spaced from the three sides of said body; there being a reinforcing rod, between said opening and each of said corner surfaces, substantially equally spaced from said opening, the adjacent corner surface and the adjacent sides, the rod between the two long sides being larger than the other two rods; said body having a ridged top with the ridge running between and substantially bisecting the angle formed by said two long sides; a plurality of wire securing members disposed along the corner surface between said two long sides and

spaced apart one from another, each wire securing member having a face portion, a back portion, a top portion and a bottom portion, said face portion being positioned in the plane of the adjacent corner surface and having a diagonal opening therein which forms a considerable angle with the horizontal and which has a width of a size to pass the strands of the usual barbed wire one at a time, said back portion being substantially parallel to said face portion, and said top and bottom portions being curved and converging from said back to said face portion, and a web portion connecting the outside of said top portion and said face portion and a web portion connecting the outside of said bottom portion and said face portion, said web portions lying in vertical planes; wires connecting said reinforcing rods at spaced intervals throughout the length of said post body, each of said web portions having an opening therein and wires running through said openings in said web portions and securing said web portions to the adjacent reinforcing rod.

2,578,166
ROTARY DRIER
Clifford E. Bill, Louisville, Ky., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application March 21, 1950, Serial No. 150,909
3 Claims. (Cl. 34—136)



1. A rotary dryer comprising a rotatable cylindrical drum having inlet and outlet openings, means for rotating said drum, means for introducing hot gases and materials to be dried through said inlet opening, means communicating with said outlet opening for drawing said gases and said materials through said drum, a series of longitudinally extending lifting vanes attached to the inner surface of said drum and extending inwardly therefrom, a plurality of flat radial rings attached to said drum and distributed throughout its length, and a plurality of disks each located opposite the opening of one of said rings on the discharge side thereof, said vanes increasing in radial depth toward the discharge end of said drum.

2,578,167
GRINDING WHEEL AND METHOD OF PRODUCING SAME
Gustaf Erik Björklund, Stockholm, and Johan Eric Hayden Westberg, Malarhojden, Sweden, assignors to Aktiebolaget Dentatus, Jakobsdal, Aspudden, Sweden, a corporation of Sweden
Application September 18, 1946, Serial No. 697,710
In Sweden September 21, 1945
7 Claims. (Cl. 51—309)



1. A grinding body comprising a matrix of deformable metal having abrasive particles imbedded therein in spaced relation to one another, said abrasive particles being surounded by a metallic shell, said body being formed with cavities of approximately the same size as said particles, the walls of said cavities having concave substantially arch-shaped inner surfaces so as to provide a relatively strong supporting body for said particles, whereby during normal use the walls of said cavities are worn away resulting in deformation thereof under the pressure exerted by said particles due to the grinding operation to permit said particles to change their angular position and expose new cutting edges while retaining said particles firmly imbedded in said body.

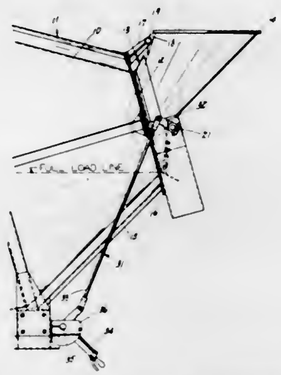
2,578,168
RESINOUS COPOLYMERIZATION PRODUCTS
Herman S. Bloch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 16, 1948, Serial No. 60,380
9 Claims. (Cl. 260—78.5)

1. A resinous material comprising the copolymerization product of (1) from about 5 to about 95% by weight of an ethylenic compound selected from the group consisting of vinyl aromatics, indenes, monohalo-ethylenes, vinylidene halides, vinyl esters, acrylic and substituted acrylic esters, acryonitrile, esters of beta,gamma-unsaturated alcohols with carboxylic acids, amides of allyl amine, diallyl ether, allyl halides, allylamine, diallyl thioether and crotyl benzene with (2) from about 95 to 5% by weight of the adduct of an ester as hereinafter defined and a mixture of polyolefinic cyclic hydrocarbons boiling in the range of from about 150° to about 450° C. and containing an average of from about 2.5 to about 4 double bonds per molecule, of which from about 40 to about 70% are conjugated, said polyolefinic cyclic hydrocarbon mixture having a bromine number of above about 140, a density of from about 0.83 to about 0.93, an acid number below 3, and a maleic anhydride value of from about 30 to about 90, said ester being an ester of a beta,gamma-olefinic monohydric alcohol and a dicarboxylic acid selected from the group consisting of maleic, fumaric, citraconic, mesaconic and itaconic acids.

2,578,169
COPOLYMERS OF AN ETHYLENICALLY UNSATURATED COMPOUND WITH A POLYOLEFINIC CYCLIC HYDROCARBON
Herman S. Bloch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 24, 1948, Serial No. 61,921
9 Claims. (Cl. 260—78.5)

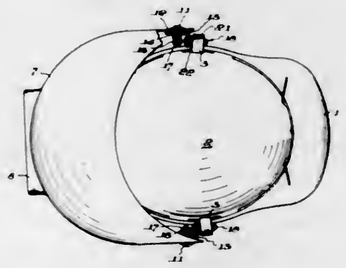
1. A resinous material comprising the copolymerization product of (1) from about 5 to about 95% by weight of an ethylenic compound selected from the group consisting of vinyl aromatics, indenes, monohalo-ethylenes, vinylidene halides, vinyl esters, acrylic and substituted acrylic esters, acrylonitrile, esters of beta,gamma-unsaturated alcohols with carboxylic acids, amides of allyl amine, diallyl ether, allyl halides, allylamine, diallyl thioether and crotyl benzene with (2) from about 95 to 5% by weight of a mixture of polyolefinic cyclic hydrocarbons boiling in the range of from about 150° to about 450° C. and containing an average of from about 2.5 to about 4 double bonds per molecule, of which from about 40 to about 70% are conjugated, said polyolefinic cyclic hydrocarbon mixture having a bromine number of above about 140, a density of from about 0.83 to about 0.93, an acid number below 3, and a maleic anhydride value of from about 30 to about 90.

2,578,170
SHUTOFF GATE FOR THE OPEN END OF TRANSIT MIXERS
Clarence I. Bohmer, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application March 9, 1951, Serial No. 214,665
7 Claims. (Cl. 259—161)



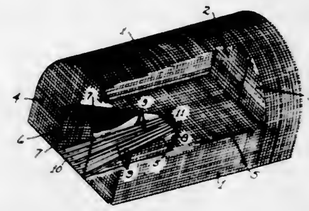
1. In combination with a rotatable mixing drum or the like having an end opening, a charging hopper supported at the end thereof in fixed position with respect to the drum and extending into a portion of the drum opening, and a shutoff gate movably supported adjacent said hopper for substantially closing the remaining portion of said opening.

2,578,171
COMBINATION WELDER'S FACE SHIELD AND HELMET
Robert A. Bub, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1950, Serial No. 182,265
5 Claims. (Cl. 2—8)



1. The combination with a welder's face shield and an industrial helmet having a rigid crown, of a pair of blocks secured to opposite sides of the crown near its bottom, each block having a substantially horizontal opening therethrough extending lengthwise of the helmet, a pair of brackets pivotally connected to opposite rear marginal portions of the shield, and a pair of fastening studs secured to the brackets and projecting rearwardly therefrom relative to the shield, said studs being removably inserted in said block openings to detachably connect the shield to the helmet, and the shield being adapted to be swung upward while attached to the helmet.

2,578,172
TRAP TUNNEL
Russell I. Burton, Richmond, Ind.
Application May 8, 1948, Serial No. 25,930
1 Claim. (Cl. 43—65)



A tunnel for a trap, said tunnel having a floor consisting of a plurality of separate resilient members mounted in fixed relation to each other at one end of the tunnel and normally retained in position in closing relationship with the top of the tunnel at the other end thereof due solely to the resiliency of said members.

2,578,173
PILE FABRIC
Eugene F. Clark, Damariscotta, Maine, assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application May 6, 1947, Serial No. 746,227
6 Claims. (Cl. 139—399)

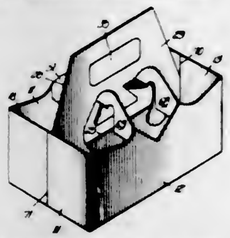


1. A pile rug or carpet fabric incorporating pile yarn interwoven within a base fabric in self-retaining relation therein, and composed of a plurality of sets of binder warps interwoven with a plurality of shots of multiple-strand filler yarn, a plurality of multi-strand warp-wise pile yarns looped around at least each alternate shot of filler yarn, said sets of binder warps being displaced from each other along the width of the fabric with the pile yarns compacted and compressed therebetween in spaces comparable in extent to those occupied by the sets of binder warps, said shots of filler yarn being interwoven with said binder warps so that adjacent warps of each set are disposed on opposite sides of each filler yarn and the alternate warps of each set extend in substantial parallelism to each other throughout the length of the fabric, and the closeness of said binder warps to the loops of pile yarn imparting a permanent weft-wise compression to said pile yarns at said filler yarns to anchor effectively said pile yarns within said fabric.

2,578,174
CELLULAR CONTAINER
Walton B. Crane, Beverly Hills, Calif., assignor to Alpak, Los Angeles, Calif., a partnership of California
Application April 1, 1949, Serial No. 84,999
7 Claims. (Cl. 229—52)

1. A collapsible bottle carrier formed from a sheet of flexible material blanked and creased to provide bottom forming panels upon which the bottles rest in the carrier, side wall forming panels joined at their lower edges directly to the outer edges of the bottom panels, fold-

able end wall forming panels connecting the ends of the side wall panels, centrally disposed longitudinal partition forming panels having bottom portions connected to the bottom wall panels, and top handle forming portions extending above the top edge of the side wall panels and transverse partition forming strips connecting the upper portions of the side wall panels



with intermediate portions of the longitudinal partition panels, said transverse partition strips being joined to said side wall panels along diagonal lines and to said longitudinal partition panels along horizontal lines, and said transverse partition strips dividing the carrier longitudinally into a plurality of bottle receiving cells.

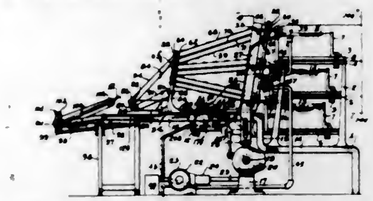
2,578,175
BUST SUPPORT OR BRASSIÈRE
Connie Cuozzi, New York, N. Y., assignor, by mesne assignments, to Irving N. Epstein
Application August 25, 1948, Serial No. 46,150
2 Claims. (Cl. 2—42)



1. A brassière comprising a pair of breast supports and a center section interconnecting said supports, each of said supports including a supporting strap, a side and back panel, a breast pocket secured to the side and back panel, and a front panel secured to the bottom of the breast pocket, said center section comprising two interconnected strips each formed of material cut on a bias and cut along a curved line extending diagonally and divergently upwards to a point above the vertical center line of its associated breast pocket, each of said strips being secured to adjacent sides of its associated breast pocket and front panel and also to its associated supporting strap, a breast pocket top edge strip extending diagonally upwards from the other side of the breast pocket to the supporting strap to form a junction therewith and with the center section, and a breast pocket top panel extending from the top of the breast pocket to said junction.

2,578,176
SHEET COLLATOR
Albert Dager, Los Angeles, Calif.
Application September 17, 1945, Serial No. 616,713
6 Claims. (Cl. 270—58)

1. In a collator, a supporting frame, a plurality of bins secured to said supporting frame and arranged at different elevations one above the other, a feed conveyor frame mounted for reciprocation on said supporting frame, pairs of continuous belts the faces of the belts in each pair being contiguous carried by said feed conveyor frame, and means for separating and raising the uppermost sheet in each bin and for releasing said sheets when said feed conveyor frame advances to position ends of said pairs of continuous belts adjacent the bins, the said raised sheets being received between said pairs of belts.



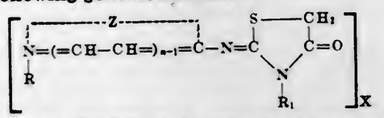
2,578,177
TRAINING APPARATUS FOR SIMULATING FLIGHT INDICATING INSTRUMENTS
Richard Carl Dehmel, Short Hills, N. J.
Application July 20, 1950, Serial No. 174,874
9 Claims. (Cl. 35—12)



1. Simulated attitude gyro apparatus for a grounded aircraft trainer comprising a supporting frame mounted for rotation according to simulated roll, a ball having flight indicia carried by and rotatable on said frame, means also mounted on said frame arranged to be positioned according to simulated pitch, mechanical means interconnecting said ball and pitch means for positioning said ball according to pitch, a horizon bar rotatably mounted with respect to said frame and movable over the outer surface of said ball, mechanical means also interconnecting said pitch means and said bar for rotating said bar in the opposite direction of said ball rotation, and bank index means also mounted with respect to said frame and mechanically related to said pitch means for movement between positions representing respectively normal and inverted flight.

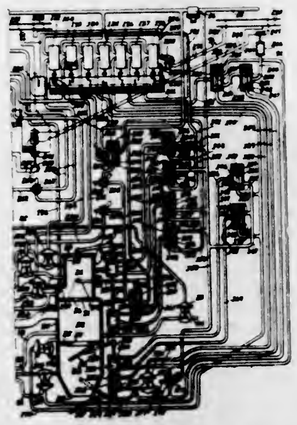
2,578,178
AZATHIAZOLONE CYANINE DYES AND THEIR PREPARATION
Henry G. Derbyshire, Johnson City, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 16, 1949, Serial No. 133,473
12 Claims. (Cl. 260—305)

1. Azathiazolone cyanine dyes characterized by the following general formula:



wherein R represents a member selected from the class consisting of alkyl, hydroxyalkyl, alkoxyalkyl, aryl, and aralkyl groups, R_1 represents a member selected from the class consisting of alkyl, allyl, aryl, and aralkyl groups, X represents an acid radical, Z represents the residue of a heterocyclic nitrogenous nucleus of the type common in cyanine dyes, and n represents an integer from 1 to 2.

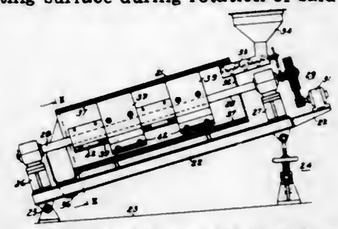
2,578,179
CONTROLLING DEVICE FOR FOOD PROCESSING APPARATUS
Frank B. Doyle, Trenton, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application August 8, 1947, Serial No. 767,479
7 Claims. (Cl. 99—240)



1. In a controlling device for food processing apparatus, a casing having a blanching compartment and inlet and outlet openings for the passage of food into and from the compartment, closures for the openings, a fluid actuated valve for controlling the flow of blanching medium into the compartment, a power-driven timing device for controlling the duration of flow of pressure fluid to the valve and thus the duration of flow of blanching medium into the blanching compartment, and a thermosensitive device acting during a blanching period and in response to the temperature in the blanching compartment to cut-off the flow of power to the timing device whenever the temperature in the blanching chamber reaches a predetermined low degree and to supply power to the timing device whenever the temperature in the blanching chamber reaches a predetermined high degree.

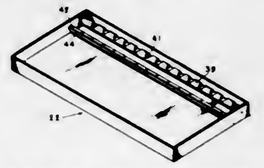
2,578,180
SCRUBBER WITH LINING AND PADDLES OF RUBBERY MATERIALS
Ray C. Edwards, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 2, 1948, Serial No. 47,428
2 Claims. (Cl. 241—102)

1. Apparatus for continuously mulling granular material, comprising: a generally cylindrical container having a resilient liner providing a depressible work supporting surface; means for depositing said granular material on said work supporting surface at one end thereof; muller means rotatable within said container for rubbing said granular material against said work supporting surface and conveying said material longitudinally through said container; said muller means having at least one set of flexible, radially extending, circumferentially spaced flaps extending toward and engaging with said work supporting surface, each of said flaps being of a sufficient length that its extremity lies flat on said work supporting surface during rotation of said muller



means; weight means associated with said extremities of said flaps to cause said extremities to depress successive portions of said work supporting surface, the restoration of the depressed portions of said work supporting surface causing said material to be thrown from said depressed portions; and means for rotating said muller means relative to said container.

2,578,181
FISHING TACKLE HOLDER
William J. Edmunds, St. Louis County, Mo.
Application December 5, 1946, Serial No. 714,232
1 Claim. (Cl. 43—57.5)



A fish lure holding device comprising a tray, an elongated rod extending longitudinally of said tray and disposed inwardly in proximity with a wall of said tray, said rod having a plurality of depressed areas in a face thereof at spaced intervals, a second rod paralleling said first rod having recessed surfaces therein at spaced intervals therealong and oppositely disposed from said recessed areas of said first rod, a clamp member extending throughout the length of said second rod, a rubber strip disposed inwardly of said clamp member movable into engagement with said second rod, and spring means for holding said clamp member into engagement with said second rod.

2,578,182
SKEWER
Santo J. Fricano, Inglewood, Calif.
Application July 7, 1949, Serial No. 103,397
2 Claims. (Cl. 17—1)

1. A skewer formed of metallic wire having an elongated, thin straight stem smooth throughout its length and provided with a sharpened lower end, said stem being insertable into one portion of an edible product, and a hook-like head comprising a straight portion extending at an obtuse angle to said stem, a second portion straight throughout its length and substantially parallel with and spaced from said first-named straight portion, and a curved portion connecting the

upper ends of said straight portions, said second-named straight portion of the head adapted for



entry into another portion of said edible product to be skewered at a point spaced laterally from the point of entry of the stem.

2,578,183
INSECT SWATTER
Anna P. Fürst, Chicago, Ill.
Application June 13, 1949, Serial No. 98,725
1 Claim. (Cl. 43—137)



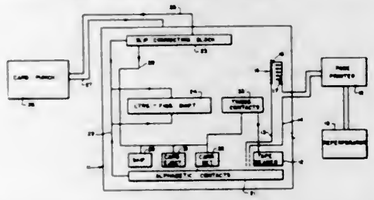
Readily actuated fly-swatter means, comprising flexible head means substantially of rhombic configuration and made up of a multiplicity of panels of plastic material, resilient handle elements of a length equivalent to several times the length of the said head means and of uniform width throughout their length, handle covering strips of flexible material of greater length than the said handle elements to form a flexible hanging loop portion beyond one end of the said resilient handle elements, the said handle covering elements being of greater width than the said resilient handle elements to permit securing the same to form an enclosing sheath for the said resilient handle elements, one end of the said enclosure sheath being interposed between the said panels and entering partially the said flexible head means at a corner thereof, and stitching means for securing the enclosing sheath and the said multiplicity of panels resulting in resilient handle means secured to flexible head means adapted to furnish efficient insect swatting action by the said head means.

2,578,184
OIL FILLER NECK EXTENSION FOR AUTOMOBILE ENGINES
John R. Green, Belvidere, Ill.
Application June 11, 1946, Serial No. 676,066
3 Claims. (Cl. 121—194)



1. As an oil filter neck extension for permanent attachment to the filler neck of an automobile engine to facilitate pouring in oil, comprising means for attaching one end of a filler neck extension to the filler neck so as to conduct oil thereto, and an openable closure for the other end of said extension, the improvement which consists in the provision of an extension the tubular body of which is a thin-walled, semi-flexible, multitudinously-jointed metal hose adapted to be flexed forcibly by hand to a predetermined contour to avoid contact with adjacent parts of the engine or automobile but, by reason of the stiffness of the joints, having sufficient inherent stiffness to resist appreciable change from a given shape by vibration transmitted to it from the attached end.

2,578,185
CARD PUNCH CONTROL SYSTEM
Ralph Henry Halvorsen, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 2, 1948, Serial No. 52,520
6 Claims. (Cl. 178—2)

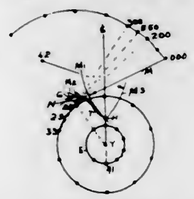


6. In combination, tape reading means, electromagnetically operated means for controlling the operation of said tape reading means, selector mechanism governed by said tape reading means, contacts operated by said selector mechanism, apparatus controlled by said selector mechanism, said apparatus including function performing devices individually initiated into operation upon the operation of certain of said contacts identified therewith, relay means effective in response to the operation of said certain of said contacts to terminate operation of said electromagnetically operated means, a revertive control relay controlled by said function performing devices, and switch means controlled by said revertive control relay, said switch means effective jointly with said relay means to exercise control over said electromagnetically operated means, whereby termination of operation of said electromagnetically operated means is initiated by said relay means and sustained terminated under the control of said revertive control relay until reinitiation of operation of said electromagnetically operated means is effectuated automatically under control of said switch means upon the completion of operation of the operated function performing device.

2,578,186
BACTERIA-RESISTANT ELASTOMERS CONTAINING SILVERED ANION-EXCHANGE RESINS
Garnet Philip Ham, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 16, 1950, Serial No. 168,660
6 Claims. (Cl. 260—3)

1. A substantially homogeneous, composite elastomer comprising a cured hydrocarbon polymer and an anion-exchange resin containing silver adsorbed thereon, the proportion of said resin being about 2% to 5% of the weight of said elastomer and the proportion of silver in said resin being about 0.5% to 1.5% of the weight of said resin, the size of said resin particles being predominantly between 200 and 325 mesh, said elastomer being further characterized by its ability to release silver ions when contacted with aqueous media.

2,578,187
METHOD OF MAKING ROTORS
Myron Francis Hill and Francis A. Hill, 2nd, Westport, Conn.
Application June 25, 1946, Serial No. 679,253
7 Claims. (Cl. 90—3)



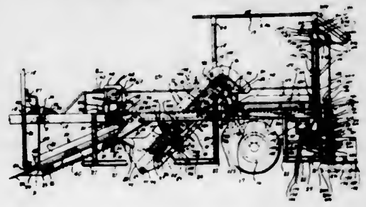
1. The method of generating tooth contours of master and mated toothed gears and or rotors; and or tools to make them with, consisting of selecting arbitrarily a contour for a side of a crown or tooth space of the teeth of the master rotor having one axis, generating the service contours of the mating rotors on another axis with said selected contours centered sufficiently outside of the ratio circle of said master rotor to provide continuous contacts during relative rotation upon their axes, where needed for performance of driving and or fluid pressure functions; by causing relative rotation between a blank for one rotor and a tool representing a contour of the other rotor according to their numbers of teeth, said teeth being arranged around eccentric ratio circles whose radii have a basic fractional ratio differing by one, said basic ratio being the numbers of teeth of said rotors divided by their difference in numbers of teeth and forming generated tooth contours on said blank comprising teeth and tooth spaces, including generating first a tooth and or tooth space thereon, then passing over one or more tooth and or tooth space intervals on said blank, according to the ratio difference, and generating a next tooth and or tooth space on said blank; and continuing this method until all the tooth and or tooth spaces needed are completed.

2,578,188
HEAT RESISTANT COVERING
Margaret L. Ionides, deceased, late of Silver Spring, Md., by Hewitt Cochran, executor, Washington, D. C., and Paul A. Siple, Arlington, Va.
Application April 16, 1948, Serial No. 21,518
10 Claims. (Cl. 154—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. The method of shielding a member of the human body against intense external heat, comprising placing over said body member an inner layer of thermally insulating material substantially corresponding in shape to said body member, then completely enclosing said inner layer with a layer of fluid-impermeable flexible material of a shape corresponding to the shape of said inner layer, then completely enclosing said fluid-impermeable layer with a thick flexible outer layer of fire-resistant liquid-absorbent material, the thickness of said outer layer exceeding the thickness of either of said inner and intermediate layers, and saturating said outer layer with a coolant liquid having a high heat of vaporization, whereby upon exposure to intense external heat said external heat is largely dissipated into the atmosphere by vaporizing said liquid, and whereby the liquid and vapor are prevented from penetrating to said body member.

2,578,189
HARVESTER FOR POTATOES AND THE LIKE
Clair R. Johnston, Akron, Ohio
Application June 29, 1945, Serial No. 602,217
15 Claims. (Cl. 55—51)



1. In a harvester for crops, the combination with a wheeled vehicle of a hopper on said vehicle for said crops, a gate for said hopper movable upwardly to closed position and downwardly to open position, and means for operating said gate comprising a vertical rod having its lower end pivoted to said gate and its upper end

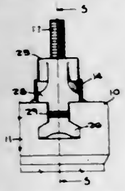
turned at an angle, a shaft arranged transversely of said rod below the upper end thereof, a link having its lower end fixed to said shaft and its upper end pivoted to the upper end of said rod, and means for turning said shaft whereby when the pivotal point of said link and said rod passes the center of said shaft in one direction, the gate drops quickly by the force of gravity, and when said point passes the center of said shaft in the other direction, the gate is held in closed position by the force of gravity.

2,578,190
FLUORESCENT LAMP HOUSING FOR CORNER MOUNTING
Albert Kurtzon, Highland Park, Ill.
Application August 30, 1946, Serial No. 693,920
2 Claims. (Cl. 240—4)



1. A fluorescent cabinet lamp housing having a vertical wall panel and a horizontal wall panel arranged at right angles to each other; triangular end panels secured to both ends of said vertical wall panel and said horizontal wall panel; a plurality of closures arranged at an angle of 45° to the forward edge of said horizontal panel, and to the bottom edge of said vertical panel; a partition arranged intermediate said triangular end panels and connected at its outer edge to one of said closures; a lamp compartment having a closure provided with a transparent window; a lamp supporting partition mounted in said lamp compartment having a vertical front panel secured to said horizontal housing panel at a point adjacent said vertical wall housing panel and a horizontal bracket supporting panel attached at its rearward edge to said vertical housing panel at a point adjacent its upper edge, there being suitable openings in said bracket supporting panel through which lamp supporting brackets protrude.

2,578,191
STORAGE BATTERY TERMINAL
Edgar Layton Longaker, Collegeville, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application March 5, 1947, Serial No. 732,613
4 Claims. (Cl. 136—135)



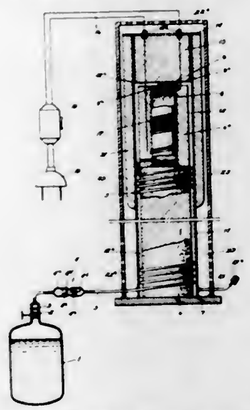
1. In combination with a battery container wall and post, a terminal cast in two pieces, one of said pieces comprising a body secured to said post, means on said body for connection with an electrical conductor, and a key section depending from said body and having shoulder means, the other of said pieces forming a key head, said wall having a keyway receiving said key section and said key head, said key section and said key head being puddled together in said keyway, said key head and said shoulder means providing a shrinkage grip on a portion of said wall.

2,578,192
METHOD OF SEPARATING WAX FROM LIQUIDS
James Mair, Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc., a corporation of Alabama
Application November 10, 1948, Serial No. 59,297
7 Claims. (Cl. 196—18)



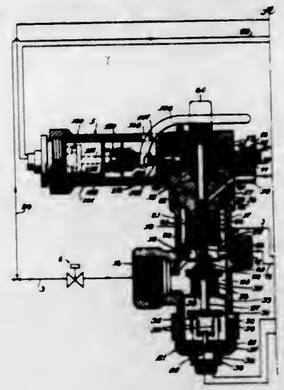
1. The method of treating a wax bearing solution which comprises moving the solution through a closed circuit of uniform cross-sectional area at a velocity above the streamline velocity thereof, and chilling the solution to the temperature of crystallization of the wax while moving at said velocity.

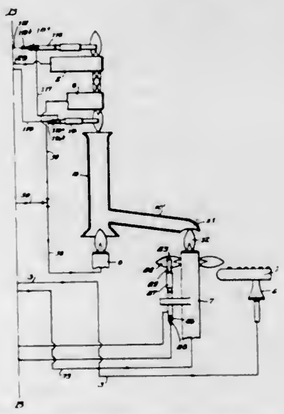
2,578,193
AMMONIA DISSOCIATOR
Walton H. Marshall, Jr., New York, N. Y.
Application March 1, 1949, Serial No. 79,087
1 Claim. (Cl. 23—288)



Apparatus for dissociating ammonia into a mixture of nitrogen and hydrogen, which comprises a base, a heat insulating core extending upwardly from the base and forming in its upper portion a catalyst chamber, an electric heating coil in the core surrounding the chamber and operable to heat the chamber to a temperature at which ammonia gas therein is dissociated in the presence of the catalyst, a hollow member on the base surrounding the core and forming therewith a discharge passage for dissociated ammonia, said passage communicating with an outlet from the upper portion of the chamber, a cover on the upper end of the hollow member for sealing said passage, a conduit leading from the lower portion of said passage below the chamber for discharging dissociated ammonia, a duct leading upwardly through said passage to the lower part of the catalyst chamber for feeding ammonia gas thereto, a valve in proximity to said chamber outlet and normally blocking the flow of gas from the chamber, a thermostat operatively connected to the valve and responsive to temperature changes in the chamber, said thermostat acting to open the valve only when the chamber is heated to a temperature sufficient to cause substantially complete dissociation of the ammonia gas in the presence of the chamber catalyst, a storage container for liquid ammonia having a restricted outlet, a valve normally closing said last outlet, and a releasable connection between said duct and the container outlet including a device for opening said last valve when the connection is made.

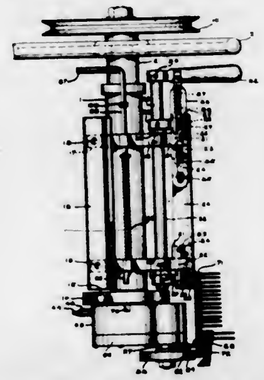
2,578,194
THERMOELECTRIC BURNER CONTROL SYSTEM
Russell Matthews, Wauwatosa, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 17, 1947, Serial No. 742,017
11 Claims. (Cl. 158—117.1)





8. In combination, a valve member for controlling the supply of fuel through a conduit, a movable armature operable to control said valve member, a first electromagnet for said armature, a thermoelectric generator connected to said electromagnet for energizing said electromagnet, reset means for resetting said armature with respect to said electromagnet, latch means having mechanical cooperation with said reset means for latching said reset means in resetting position, a second electromagnet controlling said latch means, and means for deenergizing said second electromagnet after said thermoelectric generator has energized said first electromagnet sufficiently to hold said armature in attracted position.

2,578,195
RIDGE OR STEP GRINDER FOR INTERNAL-COMBUSTION ENGINES
Cy Raymond Merrill, Towson, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland
Application February 1, 1946, Serial No. 644,908
17 Claims. (Cl. 51—245)

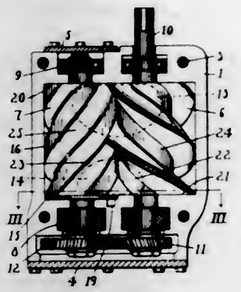


14. An inner cylindrical surface grinder comprising a drive shaft mounting having a drive shaft therein, a pivot mounted off center of and parallel to said drive shaft on said mounting, a stub shaft, a rotary grinding wheel thereon, means connected by said pivot with said drive shaft mounting, mounting said stub shaft to swing bodily on said pivot on an axis parallel to the pivot axis, the periphery of the wheel extending beyond the stub shaft mounting means on one side thereof, driving connections between said stub shaft and the drive shaft, means connecting said drive shaft mounting and said stub shaft mounting means to move said stub shaft mounting means to urge the grinding wheel outwardly from the drive shaft mounting and into contact with the surface to be ground and means spaced axially from but adjacent said wheel on said stub shaft mounting means in the area where the wheel projects beyond the stub shaft mounting means, projecting outwardly beyond said stub shaft mounting means to contact the surface adjacent that under the wheel, to limit the contact of the wheel with the portion of the surface then to be ground.

2,578,196
SCREW COMPRESSOR
Carl Oscar Josef Montelius, Stockholm, Sweden, assignor to Aktiebolaget Imo-Industri, Stockholm, Sweden, a company of Sweden
Application November 30, 1946, Serial No. 713,343
6 Claims. (Cl. 230—143)

1. A screw compressor including a housing, intermeshing male and female screw rotors with-

in the housing, said housing having inlet and outlet openings, the outlet opening being laterally related to said screws to provide escape for elastic fluid compressed within the rotor grooves, and a valve plate carried by one of said rotors at the compression end thereof, said valve plate having a plane face engaging flatwise a plane surface on an end wall of the housing, said end wall of the housing having a passage therein providing



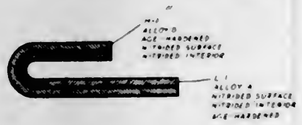
communication between the region inside the part of the end wall which is within the circumferences of both screws and said outlet opening, and said plate being provided with openings furnishing communication between the rotor grooves and said passage for the escape of elastic fluid entrapped in said grooves after closure of the grooves following their communication with the outlet opening.

2,578,197

THERMOSTATIC DEVICE

William Alvin Mudge, New York, N. Y., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application April 10, 1946, Serial No. 661,082
In Canada March 15, 1946
14 Claims. (Cl. 29—195.5)



5. In a thermostatic element having a plurality of members the improvement which comprises making at least one member of said thermostatic element of an alloy containing about 2% to 80% nickel, about 1% to 10% titanium, and the balance substantially iron, the sum of the titanium plus iron contents being at least 20% of the alloy composition; said member having an age-hardened and nitrided structure throughout the cross section thereof.

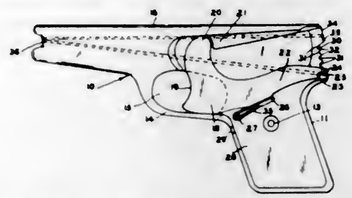
2,578,198

TOY GUN

Victor V. Muggli, Minneapolis, Minn.

Application August 22, 1949, Serial No. 111,728
4 Claims. (Cl. 124—19)

1. A toy gun for shooting projectiles, said gun comprising a supporting structure, a trigger member mounted in substantially floating relation in said structure with freedom for limited horizontal shifting movement thereof and for limited vertical swinging movement of the rear portion thereof, a band firing element normally extending beyond said supporting structure and fixed to said trigger member, an actuating lever element connected in outstanding fixed relation to said trigger member, a lever engaging stop



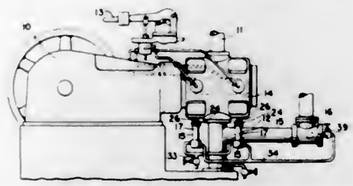
element fixed to said supporting structure for engagement with said lever element when said trigger is shifted to swing said band firing element about said stop element into band releasing position.

2,578,199

COMPRESSOR

Julius Naab, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application January 22, 1948, Serial No. 3,749
2 Claims. (Cl. 230—208)



1. In combination with a gas compressor having a discharge valve and discharge conduit, a nozzle located in the discharge conduit at a level below that of the discharge valve and positioned to direct a spray of cooling medium into said conduit in a direction counter to the flow of gas therethrough, and means adapted to said compressor and actuated by pressure fluid delivered therefrom for delivering to the nozzle a volume of cooling medium directly proportional to the volume output of said compressor.

2,578,200

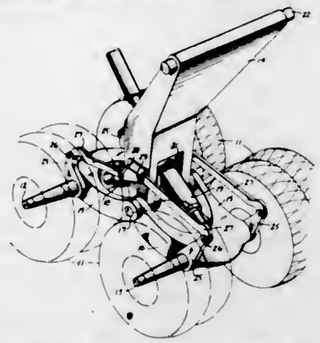
MECHANISM TO MINIMIZE PITCHING IN BRAKED AIRCRAFT BOGIE UNDERCARRIAGES

Edward J. Nicholl, Charlton Kings, Cheltenham, England, assignor to Dowty Equipment Limited, Arle Court, Cheltenham, England

Application May 18, 1949, Serial No. 93,966
In Great Britain July 26, 1948
5 Claims. (Cl. 244—104)

1. In an aircraft undercarriage, forward and rear landing wheels, an intermediate supporting leg, levers pivotally connected each to the leg to swing upwardly and downwardly, and extending, respectively, forwardly and rearwardly, and rotatively mounting the respective wheels upon their swinging ends, shock absorber means operatively connected between said leg and the respective levers and positioning each such lever under mean static load conditions, in a generally definite angular relationship with the leg, brake means operatively associated with each wheel,

and including a nonrotative brake arm subject to braking torque, and torque-resisting means re-



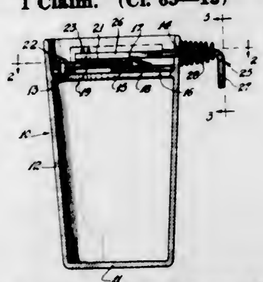
acting directly between each brake arm and the leg.

2,578,201

NONSPILLABLE DRINKING UNIT

Edwin J. Nicorvo, South Amboy, N. J.

Application April 15, 1949, Serial No. 87,673
1 Claim. (Cl. 65—13)



A drinking unit comprising a container having an open mouth at its normally upper end, a cover demountably mounted in said upper end and disposed below the upper periphery of said container and having a discharge opening therethrough, the upper end of said container having an opening therethrough located above said cover, a valve for said discharge opening and disposed below the upper extremity of said container, said valve pivotally mounted on said cover, a rod extending through said opening in said container, one end of said rod connected to said valve, a gripper connected to the other end of said rod and located outwardly beyond the outer surface of said container, a spring associated with said rod and normally acting upon said rod to maintain said valve in closed position, said rod being actuable against the action of said spring by the application of a force to said gripper to swing said valve to open position and being disposed below the upper end of said container.

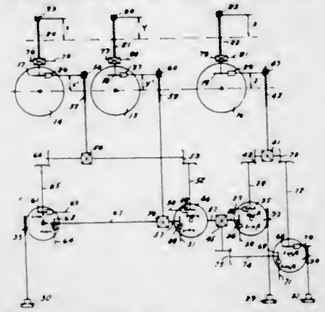
2,578,202

RATE CONTROL MEANS FOR TARGET TRACKERS

Karl Bertil Palme, Bofors, Sweden, assignor to Aktiebolaget Bofors, Bofors, Sweden, a corporation of Sweden

Application February 26, 1947, Serial No. 731,114
In Sweden April 28, 1941
5 Claims. (Cl. 235—61.5)

1. In an automatic target tracking apparatus for tracking targets moving through space, in combination means representing the three coordinates x, y and z of a point P in a rectangular coordinate system and comprising three rotatable shafts **20**, **21**, **22**; drive means **14**, **17**, **15**, **18**, **16**, **19** for continuously and automatically rotating the said shafts, said drive means comprising a shaft **55** for the rate of change x' of x, a shaft **59** for the rate of change y' of y and a shaft **42** for the rate of change z' of z; control means comprising a first rotatable actuating element **30** for changing the rate of change α' of the azimuth angle α, a second rotatable actuating element **27** for changing the rate of change β' of the elevation angle β and a third rotatable actuating element **31** for changing the rate of change L' of the range L of the point P; and transmission means operatively connecting said actuating elements with said shafts **42**, **55**, **59** of the drive means, the said transmitting means being arranged to transmit a rotation of the first element **30** through an adjustment angle $\Delta\alpha'$ at the rate $-\sin\alpha$ of said angle $\Delta\alpha'$ to the shaft **55** for x' (through **33**, **61**,



65, **66**, **54** to **55**) and a rotation of the said element at the ratio $\cos\alpha$ of said angle $\Delta\alpha'$ to the shaft **59** for y' (through **33**, **62**, **67**, **58** to **59**), and a rotation of the second element **29** through an adjustment angle β' at the rate $-\sin\beta\cos\alpha$ of said angle $\Delta\beta'$ to the shaft **55** for x' (through **32**, **36**, **44**, **45**, **47**, **46**, **48**, **52**, **53**, **54** to **55**) and a rotation of the second element **29** at the rate $-\sin\beta\sin\alpha$ of said angle $\Delta\beta'$ to the shaft **59** for y' (through **32**, **36**, **44**, **45**, **47**, **46**, **49**, **57**, **58** to **59**), and a rotation of the second element **29** at the rate $\cos\beta$ of said angle $\Delta\beta'$ to the shaft **42** for z' (through **32**, **35**, **39**, **40**, **41** to **42**), and a rotation of the third element **31** for altering the rate of change L' through an adjustment angle $\Delta L'$ at the rate $\cos\alpha\cos\beta$ of said angle $\Delta L'$ to the shaft **55** for x' (through **34**, **69**, **74**, **75**, **45**, **47**, **46**, **48**, **52**, **53**, **54** to **55**), a rotation of the second element **31** at the rate $\cos\beta\sin\alpha$ of said angle $\Delta L'$ to the shaft **59** for y' (through **34**, **69**, **74**, **75**, **45**, **47**, **46**, **49**, **57**, **58** to **59**) and a rotation of the third element **31** at the rate sine β of said angle $\Delta L'$ to the shaft **42** for z' (through **34**, **68**, **72**, **73**, **41** to **42**).

2,578,203

APPARATUS FOR PREDICTING THE LATERAL AND VERTICAL ANGLES OF THE FUTURE POSITION OF A MOVING TARGET BY GEOMETRICAL ANALOGUE

Karl Bertil Palme and Sven Gunnar Gerdin, Bofors, Sweden

Application May 15, 1947, Serial No. 748,370
In Sweden December 21, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 21, 1963
6 Claims. (Cl. 235—61.5)

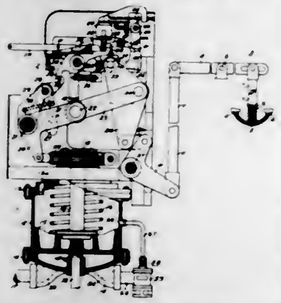
1. For use in fire control devices, an apparatus for predicting the lateral angle and the vertical

angle of the future position of a moving target the movements of which are measured in a slant plane defined by the point of observation and the observed and future target positions, said apparatus comprising a first frame mounted on a base of the apparatus representative of such slant plane and rotatable about an axis positioned in the plane of said first frame, means for turning said first frame an angle κ equal to the angle of inclination of the target path from its horizontal position in said slant plane, a second frame mounted on said first frame rotatably about an axis positioned in the plane of said first frame and perpendicular to the axis of said first frame, means for turning said second frame through an



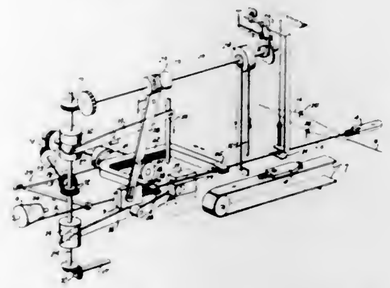
angle φ equal to the target elevation angle in a plane perpendicular to the plane of said first frame, a third frame mounted on said second frame rotatably about an axis positioned in the plane of said second frame and intersecting the axis of said first frame and defining a point in the slant plane representing the observation point, a rod, one end of said rod being positioned at said intersecting point and rotatably mounted on said third frame about an axis in the plane of said third frame, a carriage supporting the other end of said rod, said rod and carriage being movable in the said slant plane having a fixed position in said apparatus, and means for positioning said carriage in accordance with the predicted future position of the target.

2,578,204
DUMPING VALVE FOR EXPEDITING REVERSE MOVEMENTS OF FLUID MOTORS
Henry L. Peek, Boston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 14, 1948, Serial No. 26,964
9 Claims. (Cl. 200—82)



1. In an operating mechanism for circuit breakers, a motor operable by gas under pressure and comprising a cylinder and a piston movably arranged therein; a source of gas under pressure; means for admitting gas under pressure from said source to said cylinder to close the breaker; spring means for returning said piston to the initial position thereof upon closing of the breaker; a collapsible linkage of the trip free type for operatively relating the breaker to said motor; tripping means for causing collapse of said linkage to permit opening of the breaker; a ram on said piston separate from said linkage and cooperating therewith upon collapse thereof for reclosing the breaker; means for venting said cylinder to permit said spring means to rapidly return said piston to said initial position thereof, said venting means including a piston type valve, resilient means for biasing said valve to a closed position, and means defining a passage to atmosphere forming an integral part of said valve for maintaining said valve in an open position by the action of gas under pressure being vented through said passage, said last referred to means being adapted to be operative only upon cracking of said valve by separate means; and pilot means for cracking said valve including means defining an orifice in said cylinder controlled by said piston and means defining a permanently open duct for connecting said orifice to said valve.

2,578,205
GRIPPER-SHUTTLE LOOM
Erwin Pfarrwaller, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application June 3, 1948, Serial No. 30,795
In Switzerland June 5, 1947
5 Claims. (Cl. 139—126)



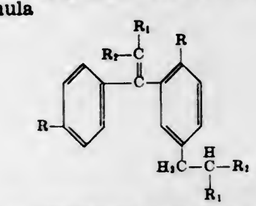
1. The method of weaving on gripper shuttle looms, comprising the steps of inserting a weft thread in the shed by picking a shuttle to which the thread has been connected through the shed, gripping the weft thread at the side of the shed where the shuttle entered the shed, severing the weft thread between the shed and the point where the thread has been gripped, moving the portion of the thread which has not been inserted in the shed away from the shed to make room for the shuttle which is next to be picked through the shed, connecting the thread to the shuttle, and laterally displacing a portion of the thread proximal to the shed while the thread is inserted in the shed for making room for performing said gripping step.

2,578,206
ALKENYLATION OF PHENOLS
Herman Pines and Jerome A. Vesely, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 26, 1947, Serial No. 776,422
5 Claims. (Cl. 260—621)

5. A process for the production of an alkenyl phenol which comprises reacting a phenol having a substitutable hydrogen atom on the aromatic ring with a diene containing at least one tertiary carbon atom and in which only one of the double bonds is attached to a tertiary carbon atom, in the presence of a catalyst complex consisting essentially of a lower aliphatic ether and orthophosphoric acid, said catalyst containing not more than 2 mols of said ether per mol of said acid, at a temperature of from about −10° C. to about 100° C. and a pressure sufficient to maintain a substantial portion of the reactants in the liquid phase.

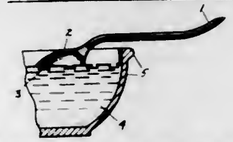
2,578,207
DI-(ALKYLPHENYL)-ALKENES
Herman Pines and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 16, 1949, Serial No. 99,578
3 Claims. (Cl. 260—668)

1. A di-(alkylphenyl)-alkene having the general formula



wherein R represents a straight chain alkyl group, and R_1 and R_2 are alkyl groups.

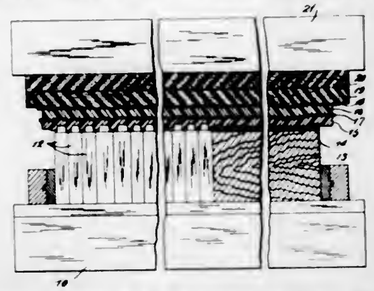
2,578,208
AERATING MIXING SPOON
Joseph J. Schmitt, Erie, Pa.
Application August 23, 1947, Serial No. 770,233
1 Claim. (Cl. 259—144)



A mixing spoon for mixing batter comprising a bowl formed with a lip and having a concave and convex side, a handle rigid with and connected with the bowl of the spoon a substantial distance away from the lip of the bowl on the convex side and extending initially at an angle to the plane of the lip and then generally parallel to the plane of the lip to hand-grip, the bowl in its normal position during use being inverted with the concave side of the bowl downwardly presented and providing a pocket trapping and beating air into the batter as the spoon is moved with the conventional stirring motion.

2,578,209
METHOD OF MAKING MOLDS FOR ELECTROTYPES
Howard G. Schwarz, Newbury, Ohio, assignor to The Art Electrotype Company, Cleveland, Ohio, a corporation of Ohio
Application November 30, 1949, Serial No. 130,175
6 Claims. (Cl. 18—56)

1. In the molding of molds for electrotypes having inset designs from sheets of moldable thermoplastic material, the method which consists in heating to a molding temperature two sheets of said thermoplastic material, placing that one of said sheets which is to form the electrotype mold upon a molding pattern with a relief design, upon that a thin sheet of tough, pliable grain free plastic resistant to a temperature higher than the molding temperature of said thermoplastic material upon that the other sheet of thermoplastic material, and upon that a resilient blanket having grain, pressing the



blanket, sheets and pattern together, thereby deforming said first named moldable sheet to conform it closely to the contours of the molding pattern, said second thermoplastic sheet constituting a deformable backing for said first sheet and being deformed in corresponding areas to a lesser degree, and holding the said sheets, blanket and molding pattern under pressure until the first named moldable sheet has cooled and set.

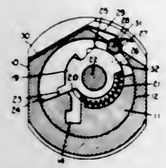
2,578,210
LIQUID FACE ROUGE
Leola Silva, Oakland, Calif.
No Drawing. Application December 5, 1949, Serial No. 131,243
6 Claims. (Cl. 167—85)

1. A liquid face rouge consisting essentially of a solvent selected from the group consisting of water and aqueous ethyl alcohol, and in solution in said solvent a first color component consisting of disodium-2,7-dibromo-4-hydroxymercuri-fluorescein and a second color component selected from the group consisting of 1-xylylazo-2-naphthol, the disodium salt of 9-o-carboxyphenyl - 6 - hydroxy-2,4,5,7 tetraiodo-3-isoxanthone, the trisodium salt of 1-(4-sulfo-1-naphthyl azo)-2-naphthol-3, 6 disulfonic acid, the disodium salt of 2-(5-sulfo-2,4-xylylazo)-1-naphthol-4-sulfonic acid, and the disodium salt of 1-psuedocumylazo-2-naphthol-3, 6-disulfonic acid, the first color component being present at a concentration in the range 0.003 to 0.2 percent by weight and the second color component being present at a concentration ⅓ to 3 times that of the first component.

2,578,211
SIDE BAR CYLINDER LOCK
Roy Clifton Spain, Salem, Va., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 16, 1948, Serial No. 38,969
12 Claims. (Cl. 70—366)

7. In a lock of the class described, a cylinder, a key plug rotatable in a bore of said cylinder, a series of tumblers carried by said key plug and movable relatively thereto by a key so as to be positioned in accordance with the bittings of said key, said tumblers having gatings adapted for alignment when said tumblers are set by a properly bitted key, a side bar operatively positioned relatively to a groove formed in the bore outlining surface of said cylinder and also a groove of

said key plug adapted for the full entry of said side bar therein to release said key plug for rotation, the tumblers holding said side bar against full entry into said key plug groove until said gatings are in alignment with said key plug groove through the proper positioning of said tumblers, said key plug groove having a shallow extension at each side thereof to permit said key plug to rotate relatively to said cylinder and side bar as



permitted by said shallow extensions, the said shallow extensions being not as deep as said tumbler gatings whereby to hold the side bar out of said tumbler gatings and in said cylinder groove even if the tumbler gatings are aligned relatively to said shallow extensions, whereby to require the return of said key plug to align its groove with said cylinder groove and the setting of said tumblers as a prerequisite to the release of said key plug for free rotation in said cylinder bore.

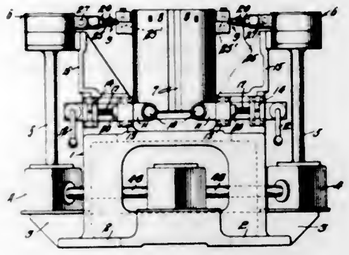
2,578,212
METAL SKIN STITCHER
Charley W. Warren, Paradise, Calif.
Application July 16, 1948, Serial No. 38,991
3 Claims. (Cl. 1—49.1)



1. In an applicator for applying suturing clips to wounds: two clip-engaging members, said clip-engaging members having oppositely-disposed ends, said clip-engaging members each having a recess in its said oppositely-disposed end for receiving a suturing clip while said ends are in normal positions, said recesses each having a portion opening from one side of its said members; and means for causing relative movement of said opposite ends toward each other in a straight line from said normal positions.

2,578,213
VIBRATING MECHANISM FOR DYNAMIC MOLD CASTING MACHINES
Albert George Welblund, Sudbury, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application October 2, 1948, Serial No. 52,574
In Canada June 4, 1948
9 Claims. (Cl. 22—57.2)

8. In a machine for molding a continuous ingot, casting or shape of metal or alloy, a cooling mold assembly comprising opposed vertically split and mated mold sections providing an open ended vertical mold cavity, a bearing support pivotally mounting at least one of the mold sections in a horizontal plane and adjacent its lower, discharge end, means operative to transmit move-



ment to said pivotally mounted section to effect continuous and rapid oscillatory movement relative to the mating section during the cooling of the ingot and operative to produce a relative movement between the sections diminishing in amplitude from the top to the bottom of the mold and means for circulating a coolant through the mold sections.

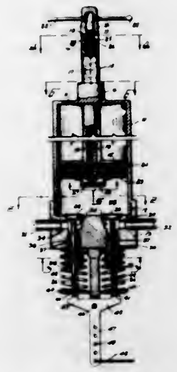
2,578,214
DRYING OIL COMPOSITION
James P. West, Westmont, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 31, 1948, Serial No. 68,752
8 Claims. (Cl. 106—285)

1. A drying oil composition comprising (1) from about 20% to about 95% of a normally non-drying hydrocarbon oil containing a mixture of polyolefinic hydrocarbons having molecular weights of at least 2000 and formed by a low temperature catalyzed co-polymerization of a di-olefin and a mono-iso-olefin, and (2) from about 5% to about 80% of a mixture of polyolefinic cyclic hydrocarbons recovered from a sludge formed in a conjunct polymerization reaction and having in their structure conjugated and non-conjugated unsaturation in which the conjugated unsaturation predominates.

2,578,215
APPARATUS FOR DISPENSING PREDETERMINED QUANTITIES OF LIQUIDS
Lucas Wilson, Denver, Colo.
Application April 19, 1948, Serial No. 21,996
9 Claims. (Cl. 222—440)

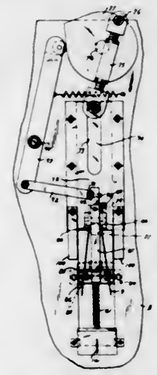
7. Apparatus for dispensing measured quantities of liquid, comprising; a cylinder having a closed lower end disposed with the axis of the cylinder in an upwardly ranging direction, an expansible piston slidably mounted in the cylinder, means for sliding the piston to a desired position of adjustment, the sliding movement of the piston being such that a point thereon may move rectilinearly, means for expanding the piston against the cylinder wall and for releasing it therefrom at a desired position to vary the volume of the cylinder below the piston, air vent means adapted to vent air from and to the cylinder below the piston, whereby liquid may rise in the cylinder or be drained therefrom, inlet and outlet conduit means disposed adjacent the lower

end of the cylinder, and valve means for selectively communicating said conduit means with



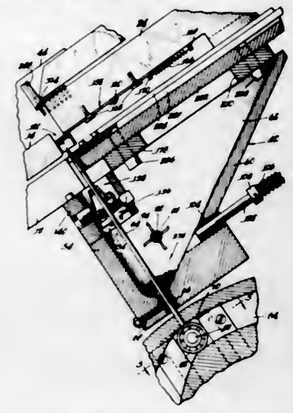
the cylinder, whereby the cylinder may be filled with liquid or liquid drained therefrom.

2,578,216
WIRE-FORMING MACHINE
Harry M. Young, Webster Groves, Mo., assignor to Western Wire Products Company, St. Louis, Mo., a corporation of Missouri
Application March 17, 1947, Serial No. 735,207
7 Claims. (Cl. 140—71)



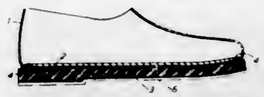
1. In a machine for forming a piece of wire into a predetermined shape, a stationary plate having a recess of predetermined length, a reciprocating slide having a member shaped for complementarily fitted disposition within said recess and being adapted to engage and force a section of wire into said recess for bending it into conformity to the shape thereof, said recess being of such depth that when the wire section is pushed thereinto the wire section will project outwardly therefrom at its ends, a female die member hingedly mounted on the lower margin of the slide, and means for swinging the female die member into operative position as the slide moves upwardly, and a male die member mounted on the stationary plate and adapted in timed relation to the movement of the slide, for forming the lower ends of the piece of wire in the female die member.

2,578,217
SCREW AND WASHER ASSEMBLY MACHINE
William C. Anderson, Oak Park, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application August 15, 1947, Serial No. 768,814
19 Claims. (Cl. 10—155)



17. A machine for assembling rotary fastener elements with washers comprising a non-rotatable washer hopper, a spear mounted for longitudinal movement upwardly through a disorderly mass of washers in said hopper means on said spear to impale a washer thereon during the upward movement of the spear through said disorderly mass in the hopper, means above and in the path of said spear as it moves upwardly for extracting a washer from said spear, and means for feeding an extracted washer and a fastener element relatively into telescoping engagement.

2,578,218
ATTACHMENT OF SOLES TO FOOTWEAR
Rawden Ashworth, Greenmount, near Bury, England
Application June 14, 1949, Serial No. 99,599
In Great Britain August 21, 1948
4 Claims. (Cl. 36—14)



2. An article of footwear comprising an upper having its lower portions in direct contact with a unitary, multicellular, one-piece sole having its peripheral edge of uniform nature throughout, said sole being attached directly to the upper of the footwear by stitching which passes vertically through said lower portions of the upper and extends only partly through the sole, and is disposed inwardly of the sole, the said sole having an imperforate integral wear surface completely overlying the stitching.

2,578,219
HAT
James H. Berry and Marguerite F. Berry, Eureka, Calif.
Application December 1, 1949, Serial No. 130,482
1 Claim. (Cl. 2—198)

A ladies hat comprising a pliable, light-weight skull cap having circumferentially spaced aper-

tures adjacent the free edge thereof, a drape, and means for removably attaching said drape to said skull cap through said apertures, said means including spaced female snap fastening members carried by said drape adjacent its upper



edge and spaced male snap fastening members carried by said drape beneath said female members, said drape being folded about the free edge of said skull cap so that the male members extend through said apertures and engage said female members.

2,578,220

HANDLING APPARATUS

Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete, Inc., a corporation of Pennsylvania

Application February 1, 1950, Serial No. 141,747
14 Claims. (Cl. 294—65)



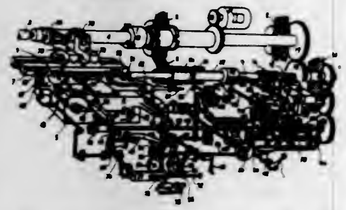
1. A portable handling implement comprising a plurality of hollow mats defining chambers having open ends, a frame interconnecting said mats and transmitting movement from one of said mats to a mat adjacent thereto, a deformable work engaging and sealing gasket secured at the open end of each of said chambers, conduit means communicating with each of said chambers for exhausting fluid therefrom, said conduit means containing a control valve for each chamber, each valve being biased towards its closed position by reduced pressure in said conduit means, and an actuator connected with the valve of each chamber projecting beyond the gasket thereof for opening its valve upon contact with a work surface.

2,578,221

AUTOMATIC SCREW-CUTTING LATHE

Ernest Bodmer, Grand-Lancy-Geneve, Switzerland, assignor to Tarex S. A., Geneva, Switzerland, a corporation of Switzerland

Application April 8, 1946, Serial No. 660,502
In Switzerland June 6, 1945
4 Claims. (Cl. 10—105)



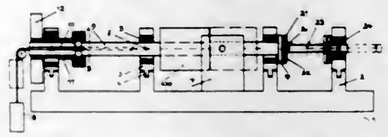
1. In an automatic screw cutting lathe, the combination comprising a frame, a slide mounted on said frame for mevement transversely thereof and urged away from the work, a second slide mounted on said first slide for movement longitudinally of said frame, a lead screw rotatably and axially movable on said frame and connected to said longitudinal slide, a lead nut engageable with said screw and guided by the frame for movement in a plane perpendicular to the screw axis, a motor for rotating said screw, operable means moving said nut to screw engaging position, means driven by said motor and operating said first means at the beginning of the working stroke of said longitudinal slide, yieldable means connected to said first means and stressed by the operation thereof moving said nut to screw engaging position, means engageable with said yieldable means and urged to a position holding same in stressed condition, means actuated by said longitudinal slide at the end of its working stroke to release said holding means from said yieldable means to enable same to retract said nut from said screw, operable means feeding the transverse slide toward the work and including a nose for said transverse slide, means reacting against said nose and connected to said yieldable means and moving said transverse slide toward the work upon the stressing of said yieldable means at the beginning of the working stroke of the longitudinal slide.

2,578,222

LATHE FOR ENGRAVING CYLINDRICAL SURFACES, WITH SELF-RECTIFICATION

Maurice Bonnet, Paris, France, assignor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France, a French corporation

Application October 30, 1945, Serial No. 625,695
In France June 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 25, 1961
2 Claims. (Cl. 82—5)



1. A lathe for engraving cylindrical surfaces comprising a stationary tool-holder, a tool carried thereby, a work-carrying shaft, two stationary bearings, directly supporting the shaft, means engaging one end of said shaft and adapted to give it a rotary movement, means engaging the other end of the shaft for producing an axial translational movement thereof relatively to the stationary bearings, and a cylinder adapted to receive the surface to be engraved and rigidly carried by said shaft in front of the tool holder between the two bearings, axially spaced apart a distance only sufficient to enable axial translation of the shaft and cylinder carried thereby.

2,578,223

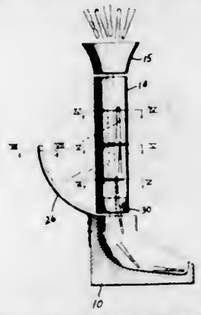
HAIRPIN ORGANIZER

Devona A. Brunner, Chicago, Ill., assignor of one-half to Howard Brunner, Chicago, Ill.

Application April 10, 1947, Serial No. 740,638
12 Claims. (Cl. 209—72)

7. A hair pin organizer comprising a normally vertical tubular member having horizontal intercepting members extending transversely thereacross at a plurality of levels vertically spaced apart more than the length of the hair pins to be intercepted and extending horizontally at such various angles and spacing relatively to each other and the width of the hair pins to

be organized as to positively intercept any hair pin falling through said tubular member with its open ends leading while allowing free passage therethrough for hair pins whose closed ends are leading when falling, a receptacle disposed below said tubular member having a curved inclined floor for receiving hair pins discharged from said tubular member for collecting the hair



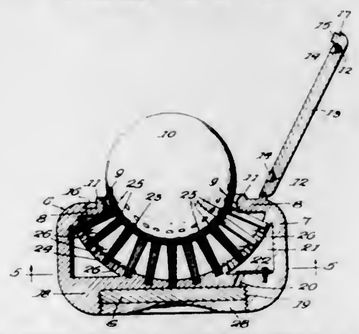
pins in uniform arrangement with their closed ends all pointing in one direction, means pivotally supporting said tubular member upon said receptacle in position for delivering hair pins selectively from either end of the member into the receptacle, and means for closing the normally upper end of the tubular member during inverting movement thereof.

2,578,224

PORTABLE GOLF BALL WASHER HAVING A BRUSH AND A LIQUID RESERVOIR

Coin Q. Cadman, Silver City, N. Mex.

Application October 2, 1947, Serial No. 777,564
2 Claims. (Cl. 15—137)



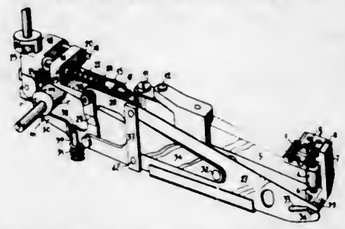
1. A golf ball cleaner to be carried in a pocket comprising a cylindrical casing of rigid material to hold a cleaning liquid, said casing having a flat bottom and a surroundng side wall with an inturned annular flange at its top defining a central opening of a size slightly greater than the diameter of a golf ball, and a stationary bristle brush of substantially semi-spherical shape disposed in said casing immediately below and opposite said opening, said brush having a rigid concavo-convex back extending from the bottom of said casing to said inturned flange with tufts of radially disposed bristles projecting upwardly and inwardly from the entire concave face of said back to position the free ends of said bristles in contact with approximately one-half of the surface of a golf ball held in said opening of the casing, said brush back having openings between said tufts to permit liquid in the bottom portion of the casing to pass to said bristles.

2,578,225

FEEDING DEVICE FOR SEWING MACHINES

Ramon Casas Robert and Jean Court, Geneva, Switzerland, assignors to Mefina S. A., Binningen, Switzerland, a corporation of Switzerland

Application March 31, 1949, Serial No. 84,610
In Switzerland December 20, 1948
5 Claims. (Cl. 112—210)



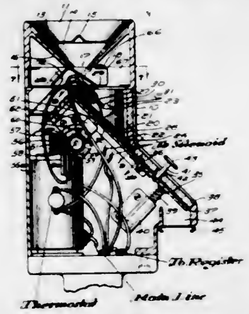
1. An actuating mechanism for the feeding device of a sewing machine comprising a driving element, a rigid lever mounted for rocking movement about a fixed vertical axis, means associated with the driving element for transmitting horizontal oscillating movement to one end of said lever, means transmitting horizontal oscillating movement from the other end of the lever to said feeding device, a second lever mounted for rocking movement about a fixed horizontal axis, said second lever having an imput arm and an output arm, means connecting the output arm of the second lever to the input arm thereof to render the output arm rigid with the input arm in a vertical plane but to enable the output arm to oscillate in a horizontal plane relative to the input arm, means for transmitting oscillating movement in a vertical plane to the end of the input arm, and means for transmitting vertical oscillating movement from the end of the output arm to said feeding device.

2,578,226

COIN COLLECTOR AND REGISTER

John F. Cavanagh, Providence, R. I., assignor to Max L. Grant, Providence, R. I.

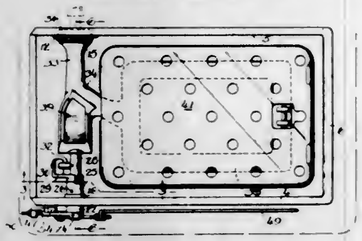
Application February 19, 1946, Serial No. 648,660
2 Claims. (Cl. 235—32)



1. In a coin collector, a transfer chamber for receiving deposited coins, said transfer chamber having a movable plate provided with a coin transfer recess, a coin receiving chamber, means for moving said plate to selectively pick up a coin in said transfer recess and transfer the coin to the coin receiving chamber, and means for registering each coin during the plate movement, said registering means including a register circuit having two sets of electrical contacts in

series, means for closing one set of contacts through a coin in the transfer recess, and means for periodically closing the other set for the time interval when the first set of contacts is closable through said coin whereby the register is actuated only when a coin is being transferred.

2,578,227
ROTATABLE BURNER SUPPORT
John E. Chambers, Shelbyville, Ind., assignor to Chambers Corporation, a corporation of Indiana
Application November 8, 1948, Serial No. 58,917
9 Claims. (Cl. 126—41)



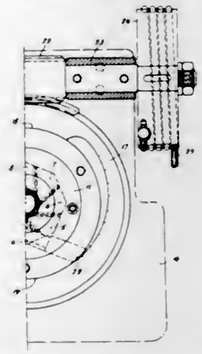
1. In a broiler box, a pair of aligned bearings, a gas burner having a neck rotatably supported in one of said bearings a shaft rigidly secured to said neck and projecting towards said other bearing, a stub shaft rotatably mounted in said last mentioned bearing, a coupling secured to said stub shaft, said coupling having an open-topped seat into which the free end of said first mentioned shaft may be dropped to position said gas burner after said neck is positioned in said first mentioned bearing, and a pin interlocking said first mentioned shaft and said coupling whereby rotation of said sub shaft causes rotation of said first mentioned shaft and said burner.

2,578,228
SAFETY SCAFFOLD POLE
Howard H. Clark, Kent, Ohio
Application July 11, 1945, Serial No. 604,469, now Patent No. 2,449,056, dated September 14, 1948, which is a division of application Serial No. 447,113, June 15, 1942, now Patent No. 2,383,449, dated August 28, 1945. Divided and this application June 16, 1948, Serial No. 33,251
6 Claims. (Cl. 304—37)



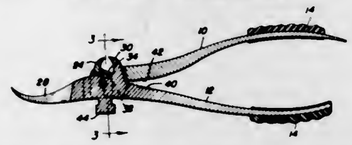
1. A sectional safety scaffold pole comprising superposable sections each including a pair of main channel-shaped side bars located at opposite sides of the section, a channel-shaped splice bar fitting closely against a face of a main bar in nested relation thereto and rigidly secured thereto, said splice bar projecting endwise beyond said main bar so as to overlap the corresponding main bar of the next section, putlog supporting means for spacing said main side bars of a section and fastening them to each other, and means for securing a pair of alined sections together.

2,578,229
DRAW PLATE
Marcel René Clement, Montreuil, and Daniel Emile Germain, Paris, France
Application January 27, 1948, Serial No. 4,504
In France November 17, 1947
1 Claim. (Cl. 205—25)



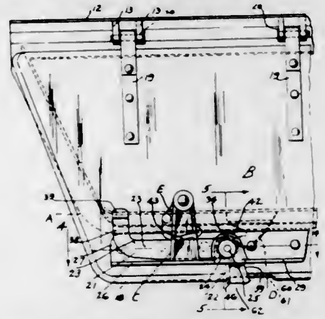
A draw plate for rods, bars, tubes and the like adapted to provide constant and varying cross sections for said drawn members, comprising a series of interlocked jaws having a substantially triangular cross section and assembled about a drawing axis, in sliding relationship with reference to one another, a ring surrounding same and bounded inwardly by a polygonal surface the number of sides of which corresponds with the number of the triangular jaws and the length of said sides being equal to that of the bases of the corresponding triangular jaws, the triangular jaws having the outer edge facing a given direction of angular movement bevelled off for allowing a relative movement of the jaw along the corresponding polygonal surface side, the ring being provided with two alined elemental transversal openings parallel with, in the vicinity of and on the inside of one of the sides of its inner transverse polygonal surface, the triangular jaws adjacent to the jaw sliding over said sides of the polygonal surface having a recess wide enough to always register with the alined ring openings, the general angular shifting of the jaws round the drawing axis corresponding to a sliding of the jaws with reference to one another and along the sides of the polygonal surface providing for a gradual modification of the inner polygonal opening defined by the non bevelled lateral surfaces of the triangular jaw, a helical wheel provided with the two longitudinal bored recesses arranged symmetrically with reference to an axial plane of symmetry and the depth of which increases progressively from one end to the other, means for securing rigidly inside said wheel the ring, the outer surface of which fits exactly the non recessed inner surface of the wheel, a worm controlling the rotation of the wheel, a two-part pusher rod the two parts of which bear respectively against the wall of the corresponding recess in the wheel, pass through the alined openings in the ring and through the recess in the corresponding triangular jaws and engage co-operating surfaces on the jaw separating the recessed jaws.

2,578,230
FENCING TOOL
Carroll V. Davis, Holabird, S. Dak.
Application April 2, 1948, Serial No. 18,521
1 Claim. (Cl. 30—188)



A wire cutter comprising a first arm having a base portion with furcations, the base portion connecting the furcations to said arm at one end thereof, a channel in one surface of said base portion, said channel extending transversely of said base portion and said arm, a second arm pivoted to the base portion of the first arm and having a reduced portion seated between the furcations of said first arm, said base portion having a slot which opens into said channel, a cutter blade secured to said reduced portion and extending through said slot, said blade projecting within said channel and arranged to cooperate with a wall of said channel to cut a wire which may be located in the channel.

2,578,231
HOPPER CAR DOOR LATCHING MEANS
George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application May 15, 1947, Serial No. 748,323
2 Claims. (Cl. 105—308)



1. In a railway car, the combination with means forming a hopper having a discharge opening including a sloping floor and a discharge door pivotally mounted adjacent the upper part of the opening, said door when in closed position being adapted to meet the lower edge of said sloping floor; of cooperating latching means on the door and hopper respectively, said latching means on the door including a bell crank lever pivotally mounted on the door to swing in a plane parallel to the plane of the door and said latching means on the hopper including a shouldered keeper mounted beneath the sloping floor and having the shouldered portion lying beyond the lower edge of the sloping floor; said keeper being disposed centrally of the door and said bell crank having a downwardly extending arm engaging with the shoulder of said keeper to hold the door closed; said bell crank having its pivotal axis located above and offset laterally from said shoulder of said keeper on the side of the entrance thereto when said door is closed whereby, while said bell crank lever is being swung from latching to unlatching position, said downwardly extending arm moves sideways and downwardly relative to said shoulder and the frictional engagement therebetween results in an upward thrust tending to open the door and whereby, while said bell crank lever is being swung to latching position, said downwardly extending arm moves sideways and upwardly relative to said shoulder and the frictional engagement therebetween results in a downward thrust tending to close the door; and said bell crank having an arm extending laterally outwardly from its pivot toward one of the sides of the door.

2,578,232
TRUCK
William M. Dunn, Coventry, England, assignor to Alvis Limited, Coventry, England
Application January 27, 1948, Serial No. 4,689
In Great Britain March 29, 1947
1 Claim. (Cl. 212—145)

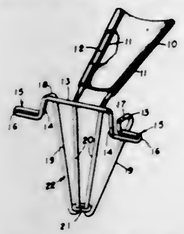


A relatively narrow truck for supporting a bomb, torpedo or other load, having a hoisting mechanism pivoted on a transverse axis to the truck for raising the load, means for steadying the truck comprising, on each side, an upper and a lower arm pivoted together at one end for movement about a substantially horizontal axis and independently pivotally connected to the truck at the other ends for movement about substantially horizontal axes, means for swinging the arms as a whole about a substantially vertical axis at the said other ends, between a stowed position beneath the truck frame to a laterally extended operative position, said vertical axis being adjacent the hoisting mechanism pivot axis, the upper arm being of two aligned portions having screw-threaded engagements with threads of opposite hand on an aligned connector, a racking device for rotating the connector for adjusting the length of the said upper arm with reference to said lower arm so as to move the ends, at which the arms are pivoted together, relatively to the ground, and a downwardly convexly curved ground-engaging shoe at the end of the lower arm which is pivoted to the upper arm.

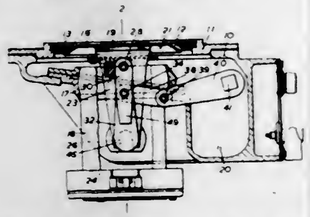
2,578,233
HANDLE AND BRUSH HOLDER FOR PAINT CANS
Dallas E. Entsminger, Hilton Village, Va.
Application March 3, 1947, Serial No. 731,982
5 Claims. (Cl. 220—90)

1. A brush holder for a container of the type having an inwardly extending flange at its upper open end, said brush holder comprising a pair of V-shaped members having inner and outer legs, a handle forming member attached adjacent the upper ends of said outer legs of

said V-shaped members and extending rearwardly thereof away from said inner legs of said V-shaped members, a pair of L-shaped arms each having first and second legs, said first leg of each of said arms being attached to the upper end of each of said inner legs and extending forwardly thereof to overlie the flange of a can, said second leg of each of said arms extending downwardly, an inverted U-shaped brush rest including a web portion and depending fingers, a pair of U-shaped ears connecting the lower ends of said fingers and the adjacent lower ends of said second legs of said arms, said ears extending in opposite directions and parallel to said web portion of said brush rest to underlie the flange of a can.

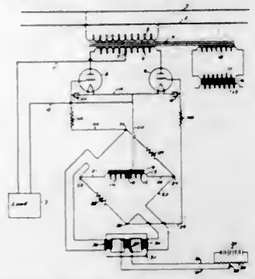


2,578,234
SEXTANT HATCH
Philip Francis Everitt and George Robert Jamieson, Seven Kings, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, a British company
Application October 4, 1949, Serial No. 119,495
In Great Britain October 5, 1948
4 Claims. (Cl. 20—16)



1. A hatch having an opening, a hatch cover, fixed pivot means spaced from and disposed opposite said opening and having its axis positioned parallel to the plane of said opening, lugs extending perpendicularly from said cover and provided with longitudinally extending slots in their free ends for receiving said pivot means, a toggle linkage including a pair of pivotally connected links, the free end of one of said toggle links being pivotally mounted on said fixed pivot means, means pivotally connecting the free end of the other toggle link to said cover, actuating means connected to the toggle linkage operable in one direction when the closure is in position on said opening to break the toggle linkage and thereby move the closure away from the opening until the ends of the slots in the lugs engage the fixed pivot means and to then swing the closure about the pivot means and operable in the opposite direction to swing the closure about the fixed pivot means to a position opposite the opening and to close the toggle linkage to press the closure onto said opening, a fixed cam in the path of movement of a part of the toggle linkage to engage and retain the linkage broken until the closure is swung to a position opposite the opening, and stop means for preventing swinging movement of the closure past a position opposite the opening.

2,578,235
PHASE SHIFTING SYSTEM
William Few, Cleveland Heights, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application December 26, 1946, Serial No. 718,425
7 Claims. (Cl. 323—37)



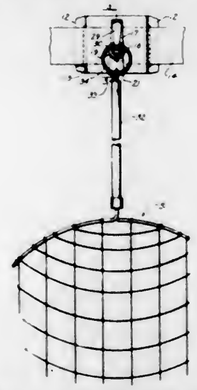
1. In a phase shifting system, a transformer having a primary for energization from a source of alternating potential and a bi-phase secondary; a saturable reactor comprising a core and a unidirectional current winding and two alternating current inductor windings on the core; two resistors; one inductor winding and one resistor being connected in series across opposite points of the secondary and a first circuit whose phase is to be shifted connected to the mid-point of the secondary and to a point between the one inductor winding and the one resistor; the other inductor winding and the other resistor being connected in series across opposite points of the secondary, and a second circuit whose phase is to be shifted connected to the mid-point of the secondary and to a point between the said other inductor winding and the said other resistor; and means to variably energize the unidirectional winding with unidirectional current.

2,578,236
TUBING CALIPERING DEVICE
John V. Fredd, Dallas, Tex., assignor to Otis Pressure Control, Inc., Dallas, Tex., a corporation of Delaware
Application November 13, 1950, Serial No. 195,866
5 Claims. (Cl. 33—178)



5. In an internal tube wall calipering and recording device adapted to be passaged through an extended length of tubing the combination comprising a housing carrying a calipering means, recording means within the housing including a recorder member and a stylus member, means for preventing rotation of said housing as the device is passaged through the tubing, a drive member rotatably mounted axially at an end of the housing, a pair of resiliently urged arms protrusive from said drive member for pressure contact with the tube wall, each of said arms carrying at its tube contacting end a rotatably mounted wheel positioned angularly with respect to both the axis and transverse section of the device, whereby said wheels follow helical paths when the device is passaged through the tubing, and transmission means between said drive member and said recording means for effecting relative movement between said recorder and stylus members.

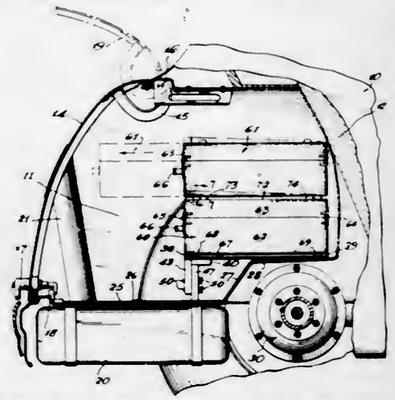
2,578,237
FISH NET HANGER
John D. Geistweit, Williamsport, Pa., assignor of one-third to Orrin H. Thomas, Williamsport, Pa.
Application January 10, 1950, Serial No. 137,853
2 Claims. (Cl. 224—5)



1. A fish net hanger comprising a base plate having rearwardly offset slotted end portions for reception of a belt worn by a person, said base plate having a medially positioned aperture, a spring plate on said base plate having an aperture aligned with the aperture of the base plate and further having a lip extending inwardly along the lower edge of the base plate, a support having a reduced end forming a rivet for engagement through the aligned apertures of the base and spring plate, the outer end of the rivet being peened to secure the stud and plates, said spring plate having a forwardly and downwardly recurved tongue of a length to engage a portion of the supporting stud, the terminal end of the tongue being curved away from the stud to permit entrance of a supporting ring of a fishing net handle.

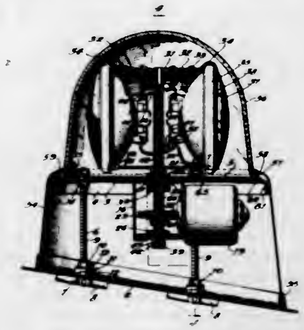
2,578,238
AUTOMOBILE LUGGAGE AND SUPPORT THEREFOR
Robert Goldman, Chicago, Ill.
Application March 29, 1949, Serial No. 84,141
2 Claims. (Cl. 224—42.42)

1. A platform for use in the rear compartment of an automobile having a protuberance in the floor of said compartment which comprises, a sheet member having front and rear substantially parallel edges, the bottom of said member adapted to engage said protuberance adjacent the rear edge thereof, and support members secured adjacent the front edge and adapted to extend from the sheet member to said floor whereby to render the said sheet member a horizontal article-supporting platform disposed entirely within said compartment, said support members comprising a pair of extensible feet



substantially spaced apart to stabilize said platform, said sheet member having ridges coextensive with said edges formed thereon adapted to be disposed perpendicular to the line of travel of the automobile when the platform is installed in said compartment, said ridges adapted to engage articles supported thereon to prevent same from sliding off of said platform, and a luggage case having similarly positioned ridges on the bottom thereof adapted to interengage with the ridges of the sheet member when said case is placed thereon.

2,578,239
ENCLOSED ROTATING SIGNAL LIGHT
Earl W. Gosswiller, Chicago, Ill., assignor to Federal Enterprises, Inc., Chicago, Ill., a corporation of New York
Application September 2, 1948, Serial No. 47,405
8 Claims. (Cl. 177—329)



2. A signal light comprising in combination a platform, means for mounting said platform upon a support, a shaft journalled in said platform and extending at substantially right-angles thereto, means for rotating said shaft, a lamp

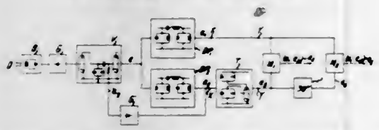
support carried by said shaft, a lamp adjustably carried by said support and rotatable with said shaft for projecting a beam of light transversely to said shaft, means for disposing the outer envelope of said beam at a predetermined angle to said shaft, and a translucent housing mounted upon said platform and enclosing a portion of said shaft and lamp support and the lamp carried thereby.

2,578,240
NONWARPING TRUSSED DOOR
George Schuyler Green, Cape Elizabeth, Maine, and Lawrence F. Howatt, Belmont, Mass.
Application May 11, 1949, Serial No. 92,694
5 Claims. (Cl. 20—38)



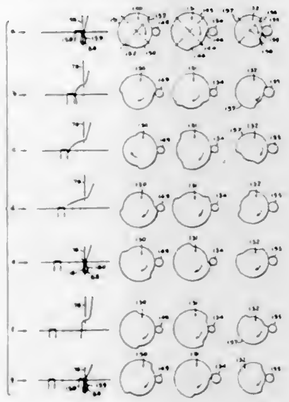
1. In a door, top and bottom rails, an outer stile, an inner stile spaced from said outer stile, a lock block secured between said stiles, a pair of substantially coextensive tension members, and means anchoring opposite ends of each member respectively to said top rail and to said bottom rail between said stiles, said tension members embracing said lock block and being held in oppositely bowed positions thereby, said anchoring means comprising devices for independently varying the tension in said tension members, whereby a warping tendency in the door may be counteracted.

2,578,241
RADIO RECEIVER FOR USE ON AIRCRAFT IN THE FIELD OF A ROTATING BEAM
Gustav Guanella, Zurich, Switzerland, assignor to Patelhold Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application February 21, 1950, Serial No. 145,424
In Switzerland February 25, 1949
11 Claims. (Cl. 343—101)



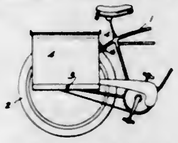
1. An ultra short wave radio receiver to be carried by a flying object for the reception of a beam having a club-shaped radiation pattern revolving about a guide axis at an angle to the major axis of the radiation pattern and having a polarization axis which rotates at double the beam rotation frequency; said receiver comprising a dipole to be mounted on the flying object, a rectifier for demodulating radio energy received by the dipole, band filters for separating from the demodulated radio energy filtered voltage components of the frequency of and double the frequency of beam rotation, frequency transformer means for converting the voltage component of one frequency to the same frequency as that of the other voltage component, means for developing a control voltage proportional to the filtered voltage component of beam rotation frequency, and means responsive jointly to said voltage components of equal frequency for developing a control voltage proportional to the phase displacement of said equal-frequency voltage components.

2,578,242
METHOD OF TUFTING
Walter W. Hamby, Greensboro, N. C., assignor of one-fifth to Isaac C. Adams, Dalton, Ga.
Application May 24, 1948, Serial No. 28,923
2 Claims. (Cl. 112—79)



1. The method of forming spaced U-shaped tufts upon a fabric, comprising holding a yarn in the eye of a needle and extending the free end of the yarn for a selected distance from such eye, positively clamping the yarn at one point so that the yarn cannot move longitudinally with relation to such point and causing the point of clamping to move with the needle and thereby causing the length of the yarn between the point of clamping and its free end to remain constant, passing the needle downwardly through the fabric while continuing said positive clamping action of the yarn to form the sides of a U-shaped loop upon the bottom of the fabric, moving a looper into the loop, moving the point of the needle upwardly above the fabric for a distance equal to the distance that the point of the needle was moved beneath the fabric while continuing said positive clamping action upon the yarn until the needle reaches the end of its upstroke and thereby causing the formed loop to slide about the looper and destroying the formed loop and leaving one side of the formed loop beneath the fabric, effecting a feed of the fabric while the needle is in the raised position, moving the needle downwardly toward the fabric and removing said positive clamping action from the yarn before the point of the needle reaches the fabric so that the yarn may freely shift longitudinally within the eye of the needle and continuing the downward movement of the needle through the fabric to complete the U-shaped tuft and form a second loop including one side of the formed U-shaped tuft, moving a looper into the second loop, continuing the removal of the positive clamping action from the yarn while moving the needle upwardly to a point above the fabric for the same distance that the point of the needle was moved downwardly below the fabric, severing the second loop while the needle is in the raised position, again applying said positive clamping action to the yarn when the needle is in the raised position, feeding the fabric while the needle is in the raised position to produce the space between the tufts, and repeating the operation to form a plurality of tufts.

2,578,243
LOAD CARRYING ATTACHMENT FOR BICYCLES, MOTORCYCLES, AND THE LIKE
Lucian W. Hampton, Portland, Oreg.
Application December 15, 1949, Serial No. 133,049
1 Claim. (Cl. 224—32)



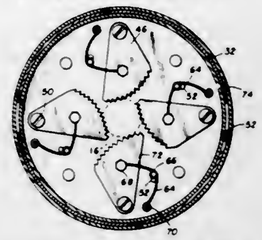
A load carrying device adapted for attachment to a bicycle, comprising in combination, an inverted U-shaped hood, said hood comprising a pair of inverted U-shaped frames having a covering secured to said frames, a reinforcing bar interconnecting the upper ends of said frames and turned upwardly at both of its ends to form stops for limit of movement of a load carried by the hood, cross members secured to the bottom edges of the hood and formed with means for attachment to either wheel axle of said bicycle, means secured to each bottom corner of said hood for attachment to the corners of a load carried by said hood, and adjustable arms extending outwardly from one end of said hood for attachment to the frame of the bicycle.

2,578,244
PAPER CONTAINER
John Kearsley M. Harrison, Gainesville, Va.
Application June 24, 1947, Serial No. 756,663
1 Claim. (Cl. 229—5.5)



In a container having a body portion and an end closure having an aperture therethrough extending from one surface to the other thereof, the defining walls of said aperture converging from the inner surface of the closure to the outer surface thereof, a cover member overlying the outer surface of said closure, said cover member having a small air vent aperture therein, a unitary plug in said end closure occupying said aperture and lying flush with both of the closure surfaces, said plug having marginal portions complementary to the defining walls of the aperture in said end closure and a sheet of frangible material attached to the inner surface of said closure member and extending across the defining edges of said aperture whereby the slope of the plug edges inhibits its movement outwardly from the plane of the closure member and the sheet inhibits its movement inwardly from the plane of the closure member.

2,578,245
AUTOMATIC CHUCK
William H. Heaton, Jr., Chattanooga, Tenn.
Application March 12, 1947, Serial No. 734,124
3 Claims. (Cl. 279—33)



3. An automatic chuck including a centrally apertured disc plate directly securable to the face plate of a lathe and having an outturned annular rim, a plurality of radially disposed similar pawls pivotally mounted on studs secured to said disc plate, a centrally apertured cover plate having an inturned annular flange, an annular channel in said rim, arcuate plates sliding in said channel and secured on said annular flange, springs carried by said pawls and pins secured to said cover plate whereby said pins are shifted from one side to the other of straight lines drawn through the corresponding studs and stud members and said pawls are urged to pivot inwardly into contact with work placed in the lathe and retracted according to the rotary shifting of said cover plate relative to said disc plate.

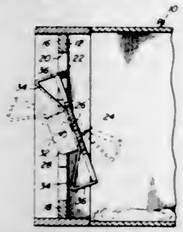
2,578,246
1,5-PENTANEDIOL DIFUROATE
Stanford J. Hetzel, Cheltenham, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application August 25, 1948, Serial No. 46,183
2 Claims. (Cl. 260—345)

1. 1,5-pentanediol difuroate.

2,578,247
AUTOMATIC DOOR FOR NESTS
William P. Hofferbert, Florence, Ala.
Application March 28, 1949, Serial No. 83,873
1 Claim. (Cl. 20—16)

In a poultry nest of the type having a doorway permitting ingress of a fowl, a door for assuring privacy for the occupant of the nest comprising a substantially H-shaped frame, means mounting said frame in said doorway whereby said frame is rotatable in a vertical plane, a stop extending across said doorway adjacent its upper end for engaging said frame and arresting it in a substantially vertical doorway closing position, and means carried by the frame adjacent opposite ends thereof for engaging the back of a fowl entering or leaving the nest to tilt the frame to

a position beyond the horizontal whereby said frame will fall by gravity to a doorway-closing



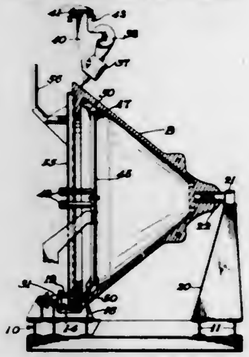
position, said means including substantially triangular laterally extending members.

2,578,248

APPARATUS FOR HARD SURFACING BLAST FURNACE BELLS AND HOPPERS

Frank H. Janecek, Cleveland, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application December 6, 1947, Serial No. 790,169
7 Claims. (Cl. 91—12.2)



7. Apparatus for producing hard surfaces on massive and bulky articles, such as blast furnace bells or hoppers, comprising frame means for supporting such an article, means for rotating the article in position on said frame means, means including a welding head for depositing molten metal on one side of the article as it is rotated, means including a heating element having an annular portion to deliver heat to an annular portion of the article in the zone to receive said molten metal to bring that zone of the article to an elevated temperature and thereby facilitate bonding weld metal to the article, and heat shield means to cooperate with the article substantially to enclose said annular portion of the heating element and concentrate on said annular portion of the article heat delivered by said element.

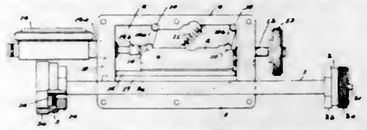
2,578,249

VARIABLE ATTENUATOR WITH LINEAR DRIVE

Stanley A. Johnson, New York, N. Y., assignor to Polytechnic Institute of Brooklyn, Brooklyn, N. Y., a corporation of New York

Application December 4, 1946, Serial No. 714,117
9 Claims. (Cl. 178—44)

1. An attenuator for a wave guide adapted to convey electromagnetic wave energy having a slot formed longitudinally therein, a loss-producing plate-like element mounted for movement in said slot, and means for guiding said plate element for movement in said slot comprising a pair of parallel links pivoted at one end to a fixed



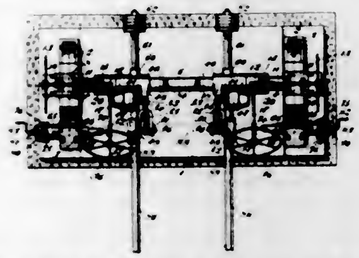
support spaced from said wave guide on the slotted side thereof and pivotally connected at the other end to spaced points on said plate element.

2,578,250

WHEEL GRINDER

Henry C. Jones, Sparrows Point, Md., assignor to Patapsco and Back Rivers Railroad Company, a corporation of Maryland

Application June 14, 1949, Serial No. 99,023
30 Claims. (Cl. 51—51)



1. A machine for grinding the treads and flanges of railway wheels mounted on an axle, comprising a base plate, spaced end frames mounted on the base plate, a heavy stationary main shaft having its ends non-rotatably supported by the end frames, means for supporting the axle and wheels mounted thereon for rotation, a pair of grinding wheel assemblies mounted for longitudinal sliding movement on the stationary main shaft above the axle and wheels each provided with a grinding wheel, means operated by fluid pressure for longitudinally adjusting the grinding wheel assemblies to align the grinding wheels with the treads and flanges of the railway wheels, and means for vertically adjusting the grinding wheels into or out of engagement with the treads and flanges of the railway wheels.

2,578,251

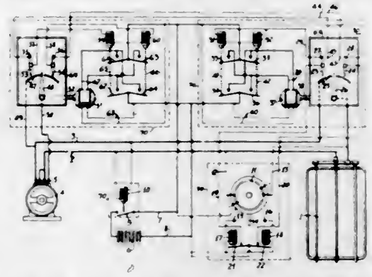
ARRANGEMENT FOR REGULATING THE VOLTAGE OF A GALVANIC BATH

Josef Kälin, Rheinfelden, Switzerland

Application January 7, 1948, Serial No. 937
3 Claims. (Cl. 323—66)

1. In an arrangement for regulating the voltage of a galvanic bath, a power source, a first circuit connecting the power source with said galvanic bath, a second circuit, a second energy source and at least a first regulating aggregate in said second circuit, said aggregate comprising a first variable resistance and an electric motor, the armature coil of said motor being in said second circuit, the first variable resistance of said first aggregate being in said first circuit and a second variable resistance of a second aggregate controlling the field voltage of a shunt generator forming said power source, said second variable resistance being put into operation upon disconnecting the control means of said

first variable resistance, each electric motor controlling the corresponding variable resistance, switch means responsive to the voltage in the first circuit to reverse said armature coil of



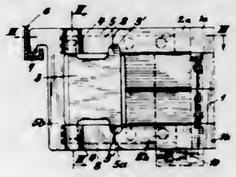
each motor in the second circuit, and means controlled by the respective variable resistances to open the circuit to the corresponding armature coil of each motor.

2,578,252

SUSPENSION BAR FOR VERTICALLY SUSPENDING PLANS, DRAWINGS, MAPS, AND THE LIKE IN STORAGE CABINETS

Karl Maria Kölbl, Vienna, Austria

Application September 21, 1948, Serial No. 50,356
In Austria October 1, 1947
5 Claims. (Cl. 129—16.7)



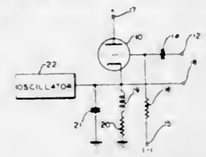
4. Suspension bars for vertically suspending sheets such as plans, drawings, maps and the like in receptacles having spaced stationary rails comprising a pair of complementary bar elements each having in its cross section upper and lower aligned straight portions lying substantially in the vertical plane of suspension of the sheets to be supported and an intermediate portion including legs connected to each other at right angles and connected to the respective upper and lower straight portions at obtuse angles, said intermediate portions being uninterrupted and constituting sheet engaging surfaces, the straight portions extending laterally beyond both ends of the intermediate portions and terminating in opposite ends, the opposite ends of the straight portions of one bar element extending beyond the opposite ends of the straight portions of the other bar element when the elements are superimposed, hook means embodied with the opposite ends of the straight portions of said one bar element for cooperation with the spaced rails to support the said one bar element for movement therealong, and resiliently operable clamping means embodied with both straight portions of the said one bar element including a pressure applying member engageable with the straight portions of the other bar element at areas laterally outward of the opposite edges of the intermediate portions to move the said other bar toward the said one bar element to clamp the bar elements together with sheets therebetween and said member being movable to an inoperative position so as to permit disassociation of the said other bar element from the said one bar element to provide for removal and insertion of sheets.

2,578,253

PULSE MODULATOR

Richard B. Lawrance, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application April 3, 1946, Serial No. 659,184
10 Claims. (Cl. 332—9)



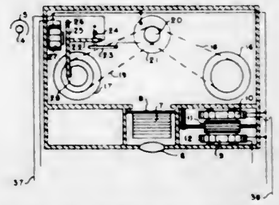
1. A device for pulse modulating electronic oscillators and amplifiers comprising, an electron tube including a plate, a cathode, and a grid, a source of negative voltage connected to said grid to bias said electron tube beyond cut off, an input circuit adapted to receive a large positive pulse of voltage and to impress said pulse on said grid causing said tube to conduct, and an output circuit for said tube including a coil and a resistor in series connected to said cathode, said coil and resistor combination acting in conjunction with said electron tube to prevent oscillations in the output of said modulating device, subsequent to the desired period of conduction.

2,578,254

CAMERA FILM TAKE-UP FOR AUTOMATIC EXPOSURE CAMERAS

Robert H. Lee, Indianapolis, Ind., assignor, by mesne assignments, to Micro Recording Company, a corporation of Florida

Original application October 9, 1946, Serial No. 702,124. Divided and this application July 5, 1947, Serial No. 759,204
7 Claims. (Cl. 95—31)



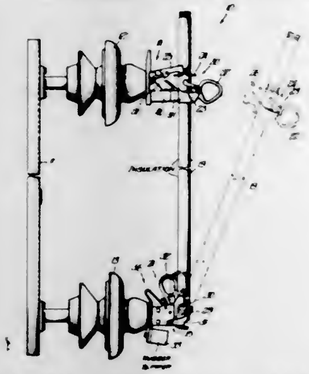
5. A system for operating the shutter and the film advancing means of a camera comprising, in combination, electrically operated shutter closing means, electrical means for operating said film advancing means, a relay, means including a normally open switch for energizing said relay upon closing of said switch, means for maintaining said relay energized independently of said switch, a circuit for energizing said shutter closing means including normally open contacts on said relay, time delay means rendered operative upon the energization of said relay for energizing said film advancing means, and second time delay means controlled by said relay in energized position for re-energizing said relay after a predetermined time.

2,578,255

CONTACT CONSTRUCTION FOR CIRCUIT INTERRUPTERS SUCH AS FUSES

Sigurd I. Lindell, Chicago, Ill., assignor to S & C Electric Company, Chicago, Ill., a corporation of Delaware

Application October 29, 1948, Serial No. 57,346
11 Claims. (Cl. 200—114)



2. Separable contact means comprising, in combination, a pair of relatively movable contact supports, guide means cooperating with said supports and fixing the path of relative movement thereof, a contact finger resiliently mounted at its inner end on one of said contact supports so as to have bodily swinging and endwise movement and extending toward the other contact support and having at its outer end a portion providing a transversely extending cylindrical contact surface, and a rigid contact member carried by said other contact support and having a concave contact surface defined by intersecting flat surfaces extending parallel to said cylindrical contact surface so as to have generally line contact engagement therewith, said inner end of said contact finger being offset from the path of relative movement between said contact surfaces so that when said contact supports are moved relatively toward each other said contact finger can swing bodily toward its contact support as a result of engagement between one of said flat surfaces and said cylindrical contact surface while the latter is spaced from the other flat surface and continued relative movement results in said cylindrical contact surface sliding over said one flat surface and into engagement with said other flat surface.

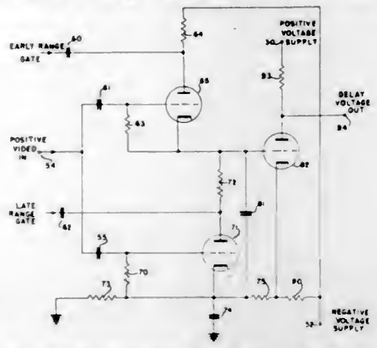
2,578,256

COINCIDENCE-INTEGRATING CIRCUIT

Edward F. MacNichol, Jr., Hamilton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application April 24, 1946, Serial No. 664,460
9 Claims. (Cl. 250—27)

1. A combined coincidence and difference integrating circuit comprising first and second electron tubes each having at least a cathode, an anode, and a control grid, means to apply a first voltage gate to the plate of said first electron tube, means to apply a second voltage gate to the plate of said second electron tube, said first and second voltage gates having the same time duration, the trailing edge of said first voltage gate coinciding in time phase to the leading edge of said second voltage gate, means to apply a video pulse input simultaneously to said first and second electron tubes, a condenser, means for applying said voltage gates to said condenser through said second and first electron tubes according to the relative time relation between said video pulse and said second and first voltage gates, and means to obtain a voltage output from said condenser



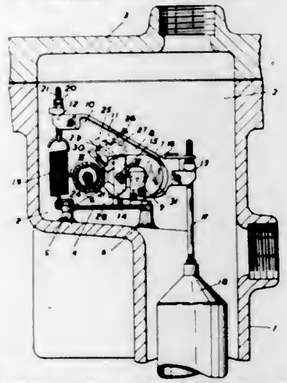
without disturbing the state of charge of said condenser.

2,578,257

MOVEMENT TRANSMITTING SYSTEM

William Thomas Marchment, Chiswick, London, England, assignor to Evershed & Vignoles Limited, London, England, a British company

Application November 7, 1949, Serial No. 125,992
In Great Britain June 21, 1948
4 Claims. (Cl. 172—284)



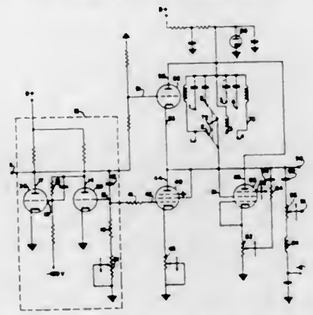
1. Apparatus for transmitting movements comprising, in combination, a driven magnet having a pair of spaced poles, means mounting said magnet for pivotal movement about an axis located substantially midway between its poles and arranged at right angles to its polar axis, said poles having an angular displacement of substantially 180° about said axis, a driving magnet having a pair of spaced poles, means mounting said driving magnet for pivotal movement about an axis parallel with and spaced from the pivotal axis of said driven magnet, said driving magnet being mounted with its poles located adjacent said driven magnet, equidistant from its pivotal axis and normally positioned on opposite sides of the plane in which both of said axes are located, the poles of said driving magnet being relatively closely spaced with respect to the radial distance of the driving magnet poles from their pivotal axis to produce a region of sharply curved field adjacent said poles, said driven magnet being positioned within said sharply curved region of the field of said driving magnet, whereby slight movements of said driving magnet in opposite directions from its normal position causes amplified angular movements of said driven magnet in opposite directions.

2,578,258

SWEEP GENERATOR

Robert A. McConnell, Cambridge, and Verland A. Olson, Suffolk, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application November 29, 1945, Serial No. 631,736
7 Claims. (Cl. 250—36)



5. In a cathode ray tube spiral sweep generator, an oscillator circuit comprising a transitron oscillator, a source of power connected to said oscillator, a source of timed negative pulses, an electron switch tube normally conducting to damp the oscillations of said oscillator, a second electron switch tube normally conducting to shunt said transitron oscillator, and means applying said pulses to bias said switch tubes to cut off thereby applying a positive voltage pulse to said transitron oscillator to initiate oscillations therein.

2,578,259

COPOLYMERIZATION PROCESS AND PRODUCT

Edward B. McMillan, Wakefield, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

No Drawing. Application March 5, 1946, Serial No. 652,236
3 Claims. (Cl. 260—78.5)

1. As a new composition of matter, a plastic resin formed by the copolymerization of substantially equal amounts by weight of maleic anhydride and 2,5-dichlorostyrene in the presence of a peroxide catalyst at an initial temperature of 80–90° C. for 15 minutes followed by holding at a temperature of 105–120° C. from 30 to 40 minutes.

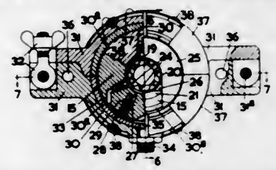
2,578,260

APPARATUS FOR LUBRICATING WIRE ROPES OR CABLES

Alexander McPherson and William Barton Bird, Glasgow, Scotland

Application April 28, 1947, Serial No. 744,316
In Great Britain May 16, 1946
5 Claims. (Cl. 184—15)

1. An apparatus for lubricating wire ropes comprising a pump casing for connection to a fixture and to a lubricant supply, a rotor eccentrically mounted within the casing and having a central axial hole for the passage of the rope therethrough and at least one lubricant duct terminating at its outer end at the periphery of the rotor and at its inner end at the aforesaid hole, at least one sliding vane carried by the rotor and bearing on the inner face of the pump casing, and a rope encircling member internally threaded



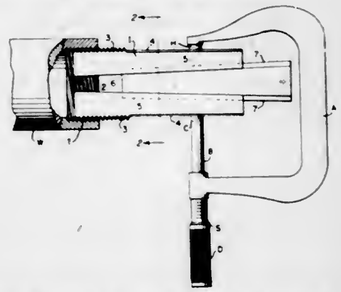
to correspond with the wires of the rope and operatively connected to the rotor so that, when the rope is drawn therethrough, the pump rotor is rotated relative to its casing to force the lubricant under pressure from the pump casing through the rotor directly to the rope.

2,578,261

INTERNAL THREAD GAUGE

Harold M. Orr, Glendale, Calif.

Application October 2, 1947, Serial No. 777,397
1 Claim. (Cl. 33—199)



In an adjustable gauge for measuring the diameter of internal threads, the combination of a spreader having converging edges, a pair of anvils having inclined surfaces adapted to ride on said spreader edges, dove-tail groove means on the inner edges of said anvils and dove-tail tongue means on the opposite edges of said spreader and said dovetail tongue and groove means retaining one on the other, each said anvil having a screw threaded feeler portion adapted to engage the internal threads and an arcuate smooth portion adapted to be engaged by a measuring device for determining the distance between said arcuate smooth portions, said gauge being adapted to be inserted into a hollow member having internal threads so that the screw threaded portions of the anvils will engage the internal threads of the hollow member whereby when said spreader is moved toward the member moving said anvils against the threads, the distance between said arcuate smooth portions will represent the diameter of the internal threads.

2,578,262

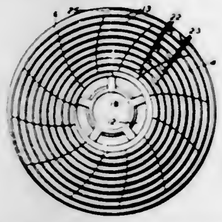
PHOTOGRAPHIC SPOOL

Donald MacDougal Paterson, Temple, London, England

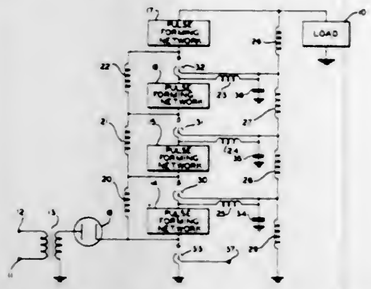
Application December 5, 1949, Serial No. 131,155
In Great Britain December 15, 1948
9 Claims. (Cl. 242—77)

8. A spool adapted to hold a length of photographic film in spaced spiral form, which com-

prises a first plate having a clockwise spiral groove on one face thereof, a second plate having a similar but anticlockwise groove on one face thereof, means for holding the said plates in coaxial spaced relationship with the spirally-grooved faces directed inwards and together defining a single spiral path, said means permitting relative rotation of the said plates, at least one ratchet tooth located in at least one of said grooves, at least one such tooth having one face in a plane substantially radial to the axis of the plates and a second face in a plane inclined at an angle thereto.

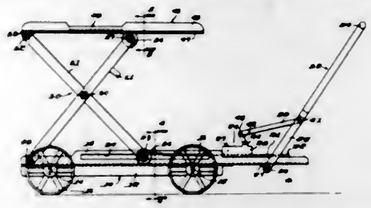


2,578,263
SPARK GAP MODULATOR
Joseph R. Perkins, Upper Montclair, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application December 18, 1945, Serial No. 635,790
7 Claims. (Cl. 171—97)



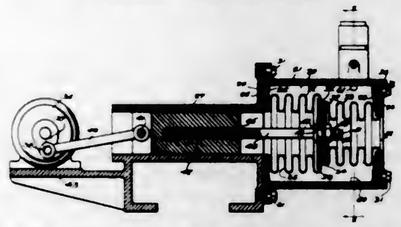
3. A modulator circuit comprising a source of alternating voltage, a half wave rectifier, and a spark gap all in series; a plurality of pulse forming networks, a spark gap connected between each of said networks, and a load, all connected in series across said first mentioned spark gap; a plurality of inductors of magnitudes such as to be essentially short circuits at the frequency of the alternating voltage and essentially an open circuit at the frequencies of the components of the pulse formed by said network, said inductors connecting said networks in parallel across said first mentioned gap at the frequency of said alternating voltage to permit charging of said networks from said source through said rectifier; a trigger for said first mentioned gap synchronized with the alternating voltage to short circuit said first mentioned gap on the half wave corresponding to non-conduction of said rectifier; a trigger for each of the remainder of said spark gaps and including each a condenser for retarding voltage change thereat, whereby triggering of said first mentioned gap will produce a voltage difference between each of the remainder of said gaps and the respective triggers to trigger remainder of said gaps to connect said networks in series with said load for discharge therethrough.

2,578,264
DRAFT GEAR JACK
John D. Raymick, Pine Bluff, Ark.
Application December 30, 1949, Serial No. 136,010
2 Claims. (Cl. 254—8)



1. In a portable hoist, a horizontally disposed base including a body member provided with a pair of spaced parallel vertically disposed flanges, a pair of axles extending between said flanges and connected thereto, ground engaging wheels mounted on each of said axles, a horizontally disposed support member positioned on said body member and secured thereto, said support member including a pair of spaced parallel side walls each provided with an opposed slot, a rack bar slidably positioned between said side walls and provided with a plurality of teeth on its upper surface, a pin carried by the rear end of said rack bar and slidably projecting through the slots in said side walls, a jack mechanism secured to said support member for causing sliding movement of said rack bar, a handle pivotally connected to said support member for actuating said jack mechanism, a horizontally disposed platform adjustably mounted for movement toward and away from said base, said platform including a guide plate, and a block extending longitudinally along the upper surfaces of said plate and secured thereto, there being a transverse cut-out arranged in said block, and a lazy tongs mechanism connecting said platform to said base and to the pin carried by said rack bar.

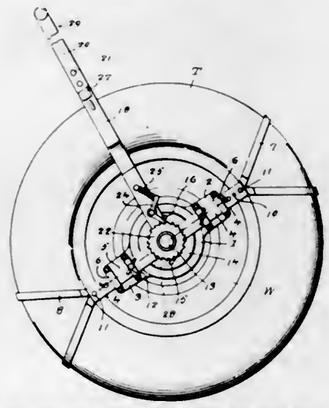
2,578,265
BELLOWS PUMP
Royal Bartlett Saalfrank, Gulfport, Fla., assignor to Milton Roy Company, Springfield Township, Pa., a corporation of Pennsylvania
Application October 11, 1948, Serial No. 53,953
7 Claims. (Cl. 103—152)



1. In a pump, walls forming a pump chamber in actual contact with fluid being pumped, having an inlet and an outlet and including in the walls forming one side of the pump chamber a plurality of bellows having different displacement characteristics, inlet and outlet valves respectively in the inlet and outlet, and operating means reciprocable back and forth in a direction

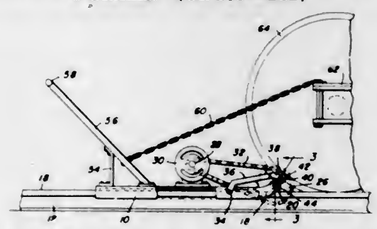
to shorten one bellows and concurrently lengthen another bellows, and then to lengthen the one bellows and concurrently shorten the other bellows and operatively connected to the respective bellows.

2,578,266
WHEEL ROTATING DEVICE
John Schaefer, Strum, Wis.
Application January 2, 1948, Serial No. 267
2 Claims. (Cl. 74—142)



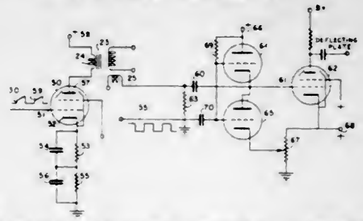
1. In a manually operable device for rotating a wheel, the combination with a central base plate having a centrally located outwardly extending shaft integral therewith, a pair of diametrically arranged arms mounted on said base plate, and an extension adjustably connected to each of said arms, and a yoke mounted on each of said extensions for clamping a wheel tire, of a rotary cam disc having opposed eccentric slots and mounted on the shaft on said base plate, a bearing pin on each of said extensions coacting with the walls of said slots, a socket in the periphery of said disc, a handle having an end complementary to the shape of the socket and receivable therein for turning the cam disc for rigidly mounting the yokes on the wheel tire, a hand lever having a hub rotatably mounted on said shaft, a ratchet fixed to the end of the shaft outwardly of the hub and a quick detachable means mounted on said hand lever and engaging said ratchet for rotating the wheel.

2,578,267
MACHINE FOR MOVING BOXCARS
Anton Selinger, New England, and Olaf Bakke, De Sart, N. Dak.
Application March 23, 1948, Serial No. 16,458
5 Claims. (Cl. 105—141)



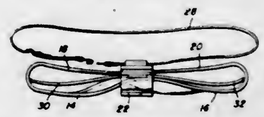
1. A machine for moving box cars comprising a channel member slidably received on a rail, a pair of spaced ears projecting outwardly from one end of said channel member, a driving spool journaled for rotation on said ears and including outwardly flanged portions, circumferentially spaced teeth provided on the outer periphery of said flanged portions, means mounted on said channel member for driving said spool, an idler roller bearing against said spool and adapted for wedging positioning between said spool and a car wheel for forcing the spool against a rail, and links pivotally securing said roller to said channel member.

2,578,268
VOLTAGE CLAMPING CIRCUIT
Chalmers W. Sherwin, Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application January 4, 1945, Serial No. 571,316
13 Claims. (Cl. 250—27)



1. A voltage clamping circuit to cause the potential of a circuit carrying a varying voltage wave to return to a predetermined reference voltage during predetermined intervals of time, which comprises in combination, a first thermionic tube having at least a plate, a cathode and a control grid, a source of reference potential, means to connect the plate of first said tube to a circuit carrying a varying voltage, means to connect the cathode of said first tube to said source of reference voltage, a second tube having at least a plate, a control grid, and a cathode, means to connect the cathode of said second tube to said circuit, a source of positive potential, means to connect said plate of said second tube to said source of positive potential, means to connect the control grids of both of said tubes together, a resistance connected between said source of positive potential and said control grids, said resistance having such a value as normally to maintain grid current but not excessive grid current in said first tube, and means to apply negative pulses to the grids of said tubes having predetermined time durations so as to cause both of said tubes to cut off during such periods of time.

2,578,269
PLASTIC BOW TIE
James H. Sinton, Colorado Springs, Colo.
Application October 22, 1948, Serial No. 55,933
4 Claims. (Cl. 2—151)



1. A bow tie comprising a pair of wings of transparent material having front and back portions tapering in width from their outer to their inner ends, a knot surrounding said inner ends, a resilient retaining strap secured to said knot,

the front portions of the wings being transparent, and a flat stiffener of sheet material having ornamentation thereon positioned in each wing between the front and back portions thereof, said knot comprising a strip folded about the inner ends of said front and back portions, the ends of said strip overlapping, one end of said strip having slots therein defining with said strip a loop, said strap being received in said loop.

2,578,270
STABLE CHLORINATED MELAMINE COMPOSITION

Franklin Strain, Norton Center, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

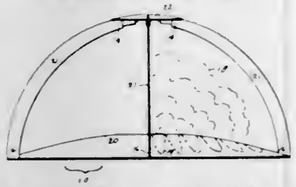
No Drawing. Application September 23, 1949, Serial No. 117,497
3 Claims. (Cl. 252—187)

1. A composition of matter which comprises a stable aqueous alkaline solution containing (*a*) chlorinated melamine which has an available chlorine content in excess of 100 percent by weight, (*b*) melamine in amount sufficient to establish the active chlorine content of (*a*) and (*b*) at a concentration of 25 to 75 percent by weight of (*a*) and (*b*) and (*c*) an alkaline salt of an alkali metal and a weak inorganic acid selected from the group consisting of phosphoric, carbonic, bicarbonic, boric, and silicic acids; the available chlorine content of the solution being above 100 parts per million parts of solution.

2,578,271
CONTAINER FOR FLOWERS

George Teufel, Portland, Oreg.

Application May 25, 1948, Serial No. 29,023
1 Claim. (Cl. 224—48)



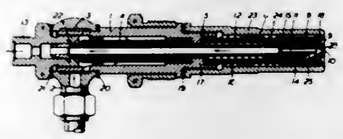
A container for flowers comprising a circular base of sheet metal dished toward its center and having an opening at the center thereof, the rim of said base having four curved tapering arms integral with the perimeter thereof, each of which is less than one-fourth of the circumference of said rim, each arm being bent normal to said base along a radial line, the narrower end of each arm having a narrow shouldered tip, a circular cap bridging the spaces between opposite shouldered ends, and sockets formed on the under side of said cap receiving said shouldered arm ends and having the shoulder on said arm urged toward its socket by the spring action of said arm.

2,578,272
LIQUID FUEL BURNER

Arthur Charles Runciman Thompson, Cheltenham, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company

Application November 26, 1948, Serial No. 62,016
In Great Britain December 13, 1947
6 Claims. (Cl. 299—120)

1. A liquid fuel burner comprising a swirl chamber of circular section, means defining tangential swirl ports for the admission of liquid fuel into said chamber, means defining a discharge orifice communicating with one end of said chamber, a duct communicating with the opposite end of said chamber but serving as a spill-way to spill back that part of the fuel which enters the chamber and is not discharged through said discharge orifice, and a tubular extension for said spill-way in the locality where said spill-way communicates with said swirl

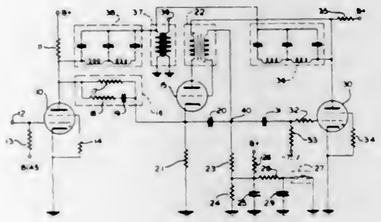


chamber, said extension protruding into the swirl chamber whereby all the fuel spilled back is obliged to flow through said extension, the outside diameter of said extension in the region of said tangential ports being a minor part of the internal diameter of the swirl chamber in said region, and the internal cross-sectional area of the extension being not greater than the minimum cross-sectional area of the annular space between the extension and the walls of said chamber.

2,578,273
ELECTRONIC TIME DELAY DEVICE

George P. Wachtell, Princeton, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application February 27, 1946, Serial No. 650,695
15 Claims. (Cl. 250—27)

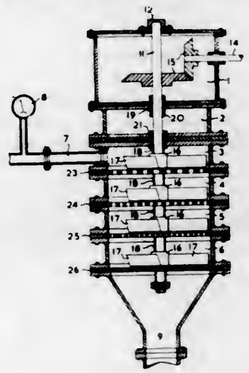


1. A delay device comprising, a source of input pulses, an electron tube including an anode, cathode, and grid, a source of power for energizing said tube, a capacitor joining the cathode and grid of said tube, means coupling the output at said plate of said tube to the grid thereof, said grid being biased from said power source to render said tube normally non-conducting, means coupling said cathode of said tube to said pulse source, said capacitor charging after application of an input pulse from said pulse source at the cathode of said tube, the charging of said capacitor from said power source biasing said tube to become conducting and thereby produce an output pulse at a time delayed from the application of said input pulse by an amount dependent upon the rate of charging of said capacitor, the magnitude of said input pulse applied to said cathode, and the magnitude of said bias on said grid.

2,578,274
MANUFACTURE OF VISCOSE

William Reginald Weigham, Coventry, England, Wilfred John Charles Field, Holywell, Wales, and Francis George Dunton, Coventry, England, assignors to Courtaulds Limited, London, England, a British company

Application March 30, 1949, Serial No. 84,402
In Great Britain April 5, 1948
2 Claims. (Cl. 241—21)

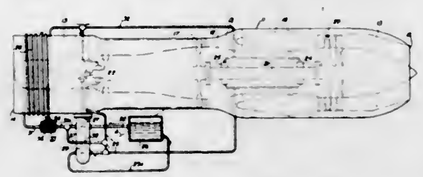


1. A method of producing viscose consisting of the combination of the steps of mixing cellulose xanthate and aqueous caustic soda to cause the cellulose xanthate to swell, the step of cutting the cellulose xanthate lumps by pouring the mixture onto a perforated base at a rate not exceeding the liquid capacity of the perforations and below that which will maintain a head of liquid on the perforated base to separate the liquid from the lumps larger than the perforations and leave such lumps on the base, passing cutting blades over the perforations thereby cutting the lumps to smaller size so that they can pass through the perforations, repeating this separation and cutting at one or more additional perforated bases having progressively smaller perforations, and the step of thereafter collecting the cut lumps and liquid in another container and gently agitating the mixture in order to complete the solution of the lumps.

2,578,275
AIR-FREE LUBRICANT PUMP DISCHARGE SYSTEM

Irvin R. Whiteman, Philadelphia, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application September 30, 1949, Serial No. 118,839
3 Claims. (Cl. 184—6)

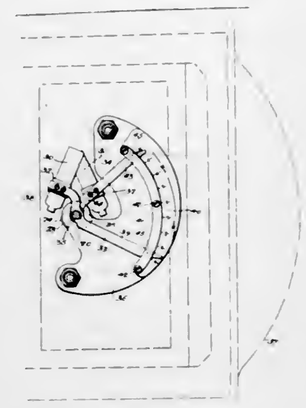


1. Means for preventing access of air to an oil pressure system including an oil pump for supplying oil thereto through a discharge communication and a scavenge pump for withdrawing excess oil from said system through a scavenge communication, said means comprising a spring-pressed check valve interposed in said discharge communication for normally passing oil under pressure delivered by said oil pump, and a restricted by-pass communicating with said discharge communication at a point anterior to said check valve and with said scavenge communication on the inlet side of said scavenge pump, said by-pass having a predetermined flow area substantially retarding flow of fluid having the viscosity of oil normally delivered by said oil pump, while venting air inadvertently discharged by said pump to prevent build-up of air pressure sufficient to open said check valve.

2,578,276
CIRCUIT CLOSER FOR HIGH-LOW ALARMS

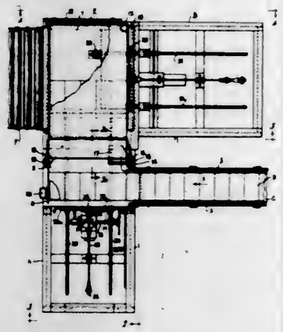
David Robert Yarnall, Philadelphia, and James W. Williams, 3rd, Ambler, Pa., assignors to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 20, 1947, Serial No. 755,980
2 Claims. (Cl. 200—87)



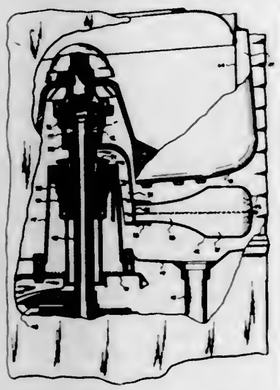
1. In a liquid indicator, a primary indicator including a shaft turning in response to high and low quantities to be indicated, a single divergent U-shaped permanent magnet positioned centrally on the shaft with the plane of the U transverse to the shaft, an adjustment pivot in prolongation of the axis of the shaft, an adjustment arm on the adjustment pivot having a plurality of angular adjustment positions, a switch mounted on the adjustment arm remote from the pivot and having a relatively fixed contact element, a swingable contact element adapted to contact the relatively fixed contact element when the switch is closed, having a spring urging the contact elements into open position and having a magnetizable armature on the movable contact element located at one side of the shaft generally in prolongation of a radius of the orbit of turning of the magnet, the armature being swingable about a point located on a line generally transverse to the said radius at a position remote from the radius, and the armature adapted to be magnetically influenced to move the movable contact for closing the switch, the switch in closed position having one magnet pole adjacent the armature and the other magnet pole remote therefrom and the magnet pole adjacent the armature being the only magnet pole adjacent thereto.

2,578,277
CONTAINER LOADING MACHINE HAVING AUTOMATIC CARTON EJECTOR
Edward D. Andrews, Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application April 26, 1946, Serial No. 665,294
19 Claims. (Cl. 226—14)



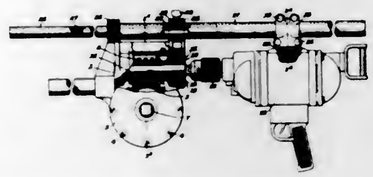
18. A container loading mechanism comprising the combination of a stationary support for a container, means for positioning a succession of groups of articles across the mouth of the container, a reciprocating feeder to shift a group of said articles into the container while the container is on the support, an ejector for removing a filled container from the support, two normally open switches in series, one switch located in position to be closed by the container on the support and the second switch located in position to be closed by the group of packages when in position in front of the container, means to actuate the feeder only when both switches are closed, fluid operated means to actuate the ejector, and a timing mechanism operated by the feeder to actuate the ejector upon a predetermined number of strokes of the feeder.

2,578,278
HYDRAULIC COUNTERWEIGHT
Ralph L. Archbold, Euclid, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 18, 1950, Serial No. 180,279
5 Claims. (Cl. 74—60)



1. The combination with a clothes container or the like adapted to be wobbled at a predetermined speed, a vertical shaft connected to the container and mounted to permit limited swinging movement thereof in a conical path, valve means adapted to automatically open in accordance with shaft movement from a true vertical axis, and means for supplying liquid under pressure to the valve means, of a hollow arm adapted to rotate in phase with the wobbling action of the high side of the container, and means to direct liquid from the valve means to the hollow arm to counterbalance the swinging tendency of the shaft by the centrifugal force exerted by the rotating arm.

2,578,279
PORTABLE POWER WRENCH
Martin W. Bardwell, Syracuse, N. Y.
Application February 24, 1949, Serial No. 78,089
5 Claims. (Cl. 81—57)



1. A portable tool optionally operative by power and/or manually for rotating a work element, comprising worm gearing and a casing therefor from which the shafts of the worm and the worm gear project for coupling respectively to a source of power and to the work element to be rotated, a motor as the source of power for driving the gearing and a handle consisting of a main section and an auxiliary section for manually steadying and operating the tool, the main section of the handle being rigidly connected in non-rotatable relation to the casing and extending outward therefrom in one direction and the auxiliary section being adjustably secured relatively to the casing and optionally extendible both in the direction of the main section to increase its length and leverage as well as in the opposite direction to balance the power applied when the tool is manually operated.

2,578,280
TUBING BUNDLE OR CLUSTER
Clayton H. Barnard, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application May 18, 1950, Serial No. 162,784
6 Claims. (Cl. 174—95)

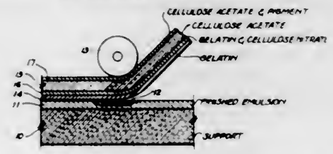


1. A semi-flexible tubing bundle for metering and control pressure systems, said bundle comprising a plurality of parallel, readily bendable, relatively long, small-bore, thin-wall metallic tubes having a long slow twist and slidably engaging each other throughout their lengths to form an approximately circular cluster of minimum overall diameter, a flexible insulating covering extending about the exterior of said tubes and binding the tubes together, and a flexible protective outer cover.

2,578,281
HALOGENATION OF N-METHYL-4-AMINOPHENOL
Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester N. Y., a corporation of New Jersey
No Drawing. Application May 20, 1949, Serial No. 94,510
8 Claims. (Cl. 260—574)

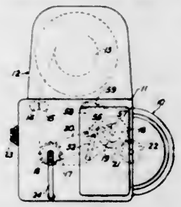
1. A process for halogenating an acid addition salt of N-methyl-4-aminophenol comprising adding a member selected from the group consisting of bromine and chlorine to an acid addition salt of N-methyl-4-aminophenol dissolved in hydrochloric acid containing from 27 to 40 percent by weight of hydrogen chloride, and separating the halogenated products from tne reaction mixture.

2,578,282
PROTECTIVE LAYER FOR FINISHED PHOTOGRAPHIC FILM
Lester E. Bliss, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 9, 1946, Serial No. 682,273
3 Claims. (Cl. 95—1)



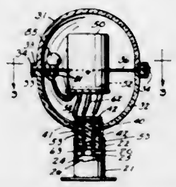
1. A finished photographic element comprising a support having thereon a photographic emulsion layer containing a visible image, and laminated over said emulsion layer, a transparent protective sheet comprising a cellulose ester support having on one side thereof a gelatin layer, and on the opposite side thereof a layer of cellulose ester containing a substantially colorless finely-divided pigment, said gelatin layer being secured to said emulsion layer.

2,578,283
TAKE-UP MAGAZINE FOR STRIP MATERIAL
William Bornemann and Robert A. Gordon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 17, 1949, Serial No. 76,906
11 Claims. (Cl. 95—34)



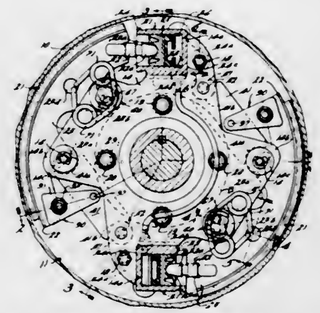
1. In a magazine of the type for receiving a strip material, the combination with a casing having an aperture for said strip material, of a winding member rotatable within said casing for receiving said strip material, a guide means pivotally mounted within said casing adjacent said aperture, for directing said strip material to said winding member, and having a part thereof in engagement with said winding member, said guide means being movable away from said winding member by the strip material wound thereon, and a stop means operatively connected to and movable by said guide means into a protruding position with respect to said magazine after a predetermined amount of said strip material has been wound onto said winding member.

2,578,284
WARNING SIGNAL SYSTEM
Ervin D. L. Bowman, Fairview Park, Ohio
Application December 7, 1949, Serial No. 131,621
4 Claims. (Cl. 200—167)



3. A flasher unit for automotive warning lights comprising a housing, an electrically operated flasher mechanism mounted in said housing, a pair of substantially semi-spherical shells, means to secure said shells together to form a hollow body, means carried by said body to secure said housing within said body and spaced from the walls thereof, at least one of said shells being translucent, an electrical connector plug carried by one of said shells, electrical conductors between said plug and said mechanism, and an indicator lamp mounted within said shells and exterior of said housing and connected with said mechanism to indicate the operating conditions thereof.

2,578,285
INTERNALLY EXPANDING BRAKE ASSEMBLY
John P. Butterfield, Grosse Pointe Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 20, 1949, Serial No. 105,804
14 Claims. (Cl. 188—78)



1. In a brake, a rotatable brake drum having an axially extending braking surface, a fixed support, a pair of parallel, spaced apart reaction plate members mounted on said support so as to extend in a plane normal to the braking surface of said drum, a brake shoe having a lined flange portion arranged substantially concentrically within and adapted to be frictionally engaged with the braking surface of said drum, said shoe having a single web portion normal to said flange

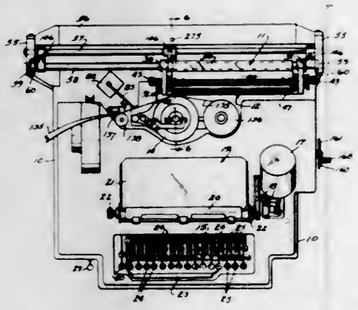
portion and disposed in a plane located centrally of the width thereof, said web having portions extending into the space between and guidingly supported by said plate member, an anchor member fixed to and arranged to extend transversely between said plates, a pivot link positioned between and guidingly supported by said plates, said link being pivotally connected between one end of the brake shoe web portion and said anchor member, and brake shoe actuating means having centrally arranged portions thereof positioned between and anchored to said plate members to space and rigidify said plate members, said actuating means including centrally disposed movable portions connected to the other end of said brake shoe web portion, said actuating means being adapted to apply a braking force to the centrally disposed web of said shoe in a plane extending parallel to and located centrally between said plate members whereby the plate members are adapted to directly resist the brake reaction during braking without developing bending stresses in the associated brake elements.

2,578,286

KEYBOARD OPERATED PRINTING MACHINE

Clifton Chisholm, Cleveland, Ohio, assignor of one-half to Henry C. Osborn, Cleveland, Ohio, and one-fourth to Marie F. Chisholm

Application August 23, 1949, Serial No. 111,871
17 Claims. (Cl. 197—51)



3. In a printing machine of the keyboard type, a frame, a plurality of keys thereon, a carrier having a plurality of type faces thereon, means including certain of said keys to bring a selected type face into printing position, a work carrier, one of said carriers being mounted for movement to and from the other carrier to effect an impression on work, mechanism to move said movable carrier including an adjustable member to vary the amount of such movement, means under control of said keys to actuate said mechanism, and means under control of certain of said keys and coacting with said adjustable member to vary the amount of said movement.

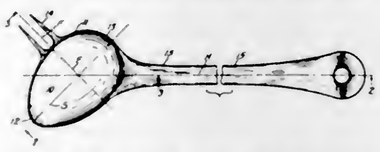
2,578,287

COMBINED FORK AND SPOON

Robert H. Clark, Denver, Colo.

Application October 4, 1948, Serial No. 52,757
5 Claims. (Cl. 30—150)

1. A culinary implement adapted to be manipulated to different positions by rotation of the wrist of the user, comprising; a spoon having a peripheral continuously smoothly curved side edge, an elongated handle connected at one end thereof to a rearward portion of the spoon, the longitudinal axis of the spoon extending in a direction to form an obtuse angle with the longitudinal axis of the handle, whereby the tip of the spoon may be presented to food by rotation of the wrist in one direction, a plurality of individual fork tines formed integral with the spoon projecting from a portion of said continuously smoothly curved side edge, the inner end of each tine being directly connected to said side edge to provide a space between adjacent tines, the inner



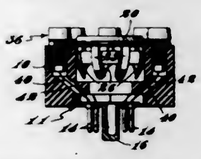
end of said space being adjacent said side edge, the tines projecting substantially the same distance from said side edge, the longitudinal axis of said tines extending in a direction to form another obtuse angle with the longitudinal axis of the handle substantially the same as the first named obtuse angle whereby rotation of the wrist in a direction opposite to the aforementioned direction of rotation will present the ends of the tines to food.

2,578,288

TEST ADAPTER

James W. Cook, Waltham, Mass.

Application March 3, 1950, Serial No. 147,485
4 Claims. (Cl. 200—51)



1. A test adapter comprising an elongated body having aligned recesses in the respective ends thereof, a male plug of the type having pins arranged similarly to those of a vacuum tube inserted in one of said body recesses, a socket inserted in the other recess, said socket being of the type having a plurality of apertures wherein are connecting members arranged to receive the pins of a vacuum tube, a plurality of pin jacks secured in the end of said body about said socket, a plurality of conductors each extending through said body between one of the pins of the male plug and a respective jack, and a plurality of normally closed switches each connecting one of said jacks with a member in said corresponding aperture of the socket to complete an individual circuit between the plug pin and the member in said corresponding aperture whereby a test meter can be selectively inserted in series with the respective circuits between the jacks and the corresponding portions of the switches connected to the members in said socket apertures.

2,578,289

FISHHOOK REMOVER

Albert Danielson, South Gate, Calif.

Application January 22, 1949, Serial No. 72,146
5 Claims. (Cl. 43—53.5)

1. A fish hook remover including an elongated tube and a stem for movement in said tube, said tube, inward from one end thereof being formed

with a side slot and with upper and lower undercut portions in the zone of said slot and the



said stem having an end edge at an angle to the lowermost undercut portion.

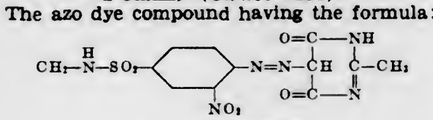
2,578,290

MONOAZO COMPOUNDS CONTAINING A 4,6-DIHYDROXYPYRIMIDINE NUCLEUS

Joseph B. Dickey, Rochester, N. Y., and James G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester N. Y., a corporation of New Jersey

No Drawing. Application January 13, 1948, Serial No. 2,124
1 Claim. (Cl. 260—154)

The azo dye compound having the formula:

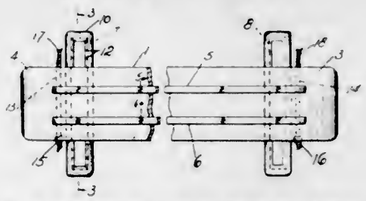


2,578,291

BOAT FENDER

David H. Dickson, Jr., West Palm Beach, Fla.

Application June 4, 1948, Serial No. 31,020
2 Claims. (Cl. 114—219)



1. In a device of the character described, a main fender member comprising a relatively long board having inwardly beveled ends and transverse longitudinally spaced apertures extending therethrough, cross members secured to and extending beyond said board on its inner side intermediate its middle and ends, pads secured to and covering the outer surfaces of said cross members, longitudinal antifriction and reenforcing strips secured to the outer surface of said board and extending beyond said cross members and apertures, an elongated rope-like means for suspending said device on the exterior of the hull and for hauling it aboard extending through said transverse apertures and secured therein adapted to extend over the gunwale of the boat to have their upper ends secured to the hull well above said device.

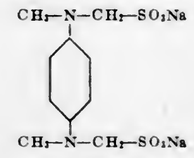
2,578,292

DISODIUM - N,N'- DIMETHYL-p-PHENYLENE-DIAMINOMETHANE SULFONATE AND PROCESS FOR PREPARATION

Thomas S. Donovan, Ontario, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 17, 1950 Serial No. 144,866
10 Claims. (Cl. 260—510)

1. Disodium salt of N,N'-dimethyl-p-phenylenediaminomethane sulfonic acid having the formula:



2,578,293

4,4-DIPHENYL-2,5-OXAZOLIDINEDIONE

Robert Duschinsky, Essex Fells, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application November 17, 1949, Serial No. 128,005
1 Claim. (Cl. 260—307)

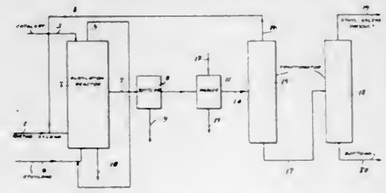
4,4-diphenyl-2,5-oxazolidinedione.

2,578,294

PROCESS OF PRODUCING 3,4-DIMETHYL 1-ETHYL BENZENE

William E. Elwell, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application July 1, 1948, Serial No. 36,358
3 Claims. (Cl. 260—671)



3. A process for producing 3,4-dimethyl 1-ethyl benzene by ethylation of ortho-xylene while substantially avoiding isomerization of the methyl groups and production of isomeric dimethyl ethyl benzenes, which comprises contacting ortho-xylene with ethylene in the presence of an aluminum chloride catalyst in the reaction zone, maintaining in the reaction zone a mole ratio of ethylene to ortho-xylene of about 0.58, a temperature of about 90° C. and a catalyst concentration of about 0.025 mole of catalyst per mole of xylene and maintaining the reactants and the catalyst in contact for a period of about 0.5 hour.

2,578,295

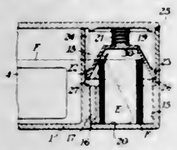
FILM TAKE-UP CHAMBER FOR PHOTOGRAPHIC APPARATUS

Paul J. Ernisse, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 19, 1948, Serial No. 55,275
12 Claims. (Cl. 242—71)

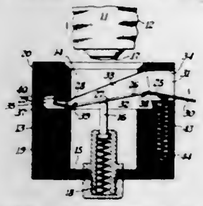
1. A film take-up chamber for use in photographic apparatus, the apparatus including a sup-

ply chamber, an exposure frame, means for winding film to and from the supply chamber and a film passage way through which a film may pass from the supply chamber, across the exposure frame and to the take-up chamber, said take-up chamber comprising an enclosure having a fixed wall and a movable wall spaced to receive a film



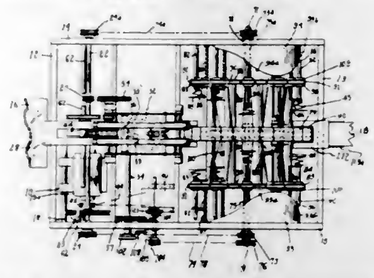
transversely therebetween and movable to and from the fixed wall, one of said walls including means for contacting with an edge of the film to guide the film propelled by the means for winding film into a coil in the take-up chamber, said wall being solely supported by the edges of the film.

2,578,296
LAMP EJECTING SOCKET
Paul J. Ernisse, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 30, 1949, Serial No. 102,235
4 Claims. (Cl. 173—358)



1. In an ejecting socket for a lamp of the type having a threaded metal base adapted to be inserted slidably in a base-receiving opening in said socket, the combination with a spring-pressed contact positioned in the bottom of said opening and adapted to be engaged by the end of said base when inserted in position in said opening, of a locking lever arranged in an inclined relation in said socket and extending transversely of said opening, said lever having an apertured section therein positioned in said opening, said aperture having an actual diameter greater than said base and having the axis thereof inclined to the axis of said opening so that the projected diameter of said aperture is less than the diameter of said base to prevent the passage of the latter through said aperture when said lever is in an inclined relation, said base being insertable in said aperture and movable axially in one direction in said opening to move said lever as a unit therewith, means to limit said axial movement of said lever, means to pivot said lever upon said socket when the movement of said base is continued to tilt said lever to reduce the inclination thereof until said projected area is such as to allow said base to pass through said aperture and to engage said contact, lugs formed on said lever at the edge of said aperture and extending radially inwardly thereinto, said lugs camming over said thread as said base is moved through said aperture, and means independent of said base for returning said lever to its initial position and to increase the inclination thereof to cause said lugs to wedge against said thread to lock said base in said opening.

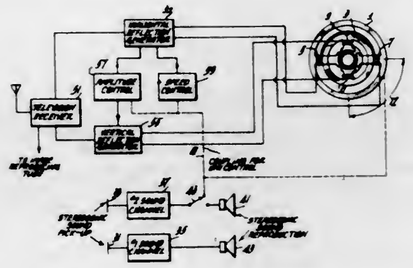
2,578,297
MACHINE FOR PACKAGING MERCHANDISE ROLLS
Carl J. Gerlach, Green Bay, Wis.
Application November 3, 1947, Serial No. 783,822
7 Claims. (Cl. 93—2)



1. In a machine for wrapping cylindrical roll packages, and including a driven mechanism for rolling and feeding the roll packages, an adjustable vertically movable elevator, a walled container disposed above said elevator said container being adapted to hold a stack of labels with the uppermost in the path of the packages, a driven mechanism for gradually raising said elevator, a driven means for applying two separate glue areas to the packages, said labels being adapted to stick to said packages when said packages are rolled on said labels, and means to fold, twist and form the projecting portions of the labels over the ends of the contents of the packages; said last mentioned means comprising a driven wheel-like annular conveyor having spaced peripheral recesses adapted to receive the packages with labels rolled thereon having end portions projecting beyond the contents; a plurality of apertured spaced journalling brackets secured on each side of said annular conveyor; a plurality of slidable shafts journaled with respect to said rotatable conveyor and having end portions extending outward and having the opposite ends thereof extending inward with respect to said conveyor; spiral springs mounted on the inner ends of said slidable shafts; spring elements connected to said shafts for returning same to outward non-operating positions driven mechanism for rotating said shafts on said conveyor; and a pair of stationary cam tracks mounted adjacent each side of conveyor; said shafts, upon rotation of said conveyor, being adapted to engage said cam tracks respectively to cause inward sliding of said shafts during their rotation and during the rotation of said conveyor; said spiral springs on the inner ends of said shafts being adapted to be thereby rotated to thereby twist and fold the projecting parts of labels or wrappers against the ends of the roll units.

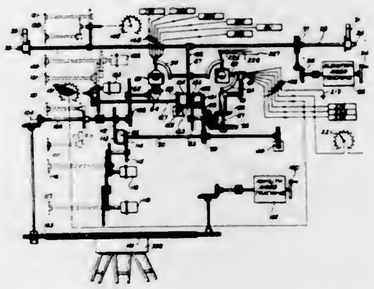
2,578,298
STEREOSCOPIC TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y.
Application October 25, 1946, Serial No. 705,735
3 Claims. (Cl. 178—5.6)

3. In a television receiver of the type employing electronic beam scanning, and having a first electrical circuit for controlling the scanning of said beam in a horizontal direction, a second electrical circuit for controlling the scanning of said beam in a vertical direction, a screen adapted to be placed in the viewing path of said receiver, said screen when in said path presenting stereoscopic images individually to the right and left eyes of an observer, means for changing from a monoscopic to a stereoscopic receiver comprising in combination means for rotating the direction of said electron beam scanning through 90 degrees and placing said screen in said path, means for maintaining the original aspect ratio comprising in combination an auxiliary impedance of fixed value in each of said circuits, an electrical switching device for removing one or the other of said auxiliary impedances from said circuits, and means for increasing the frequency of said first scanning circuit in inverse proportion to the change in aspect ratio caused by said rotation, an audio frequency channel adapted to transmit signal energy representative of the



sound registered by one ear of a listener, a second audio frequency signal adapted to transmit signal energy representative of the sound registered by the other ear of said listener, and a switching means for making inoperative one of said audio frequency signal channels, and means connecting said means for rotating the direction of said electron beam scanning, said means for maintaining the original aspect ratio, said screen positioning means and said switching means to provide simultaneous action for converting said television system from a monoscopic system to a stereoscopic system.

2,578,299
VECTOR ANALOGUE COMPUTING MECHANISM
Henry Harrison, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 12, 1946, Serial No. 640,961
9 Claims. (Cl. 235—61.5)

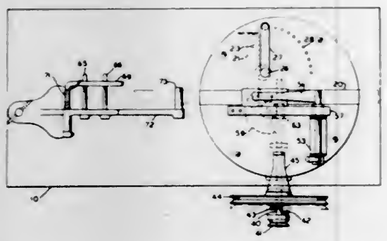


8. A computer for finding a future position of a target moving relative to the computer which future position has the proper lead in terms of the time of flight of a projectile from the computer to the target, comprising a base for the

computer, two vector solver systems referred to as the memory point solver and the prediction solver, each having a spherical core on which are wound three dipole electric coils with their axes mutually orthogonal referred to as the range, azimuth and elevation coils of the memory point solver and the range, azimuth and elevation coils of the prediction solver, means for keeping the axes of the range coils of both solvers pointing effectively at the target, means for producing alternating electric current proportional to the range of the target from the computer, means for applying the range current to the range coil of the memory point solver, three outside coil systems with their axes mutually orthogonal, one of them pointing in a direction referred to as vertical and all three fixed relative to the base of the computer, which three outside coil systems are outside of and near the memory point dipole coils for receiving induced voltages respectively proportional to the direction cosines of the range current in the range coil, three current control means, means for setting said control means in accordance with said induced voltages at some instant referred to as the memory point instant and for simultaneously disconnecting the range coil of the memory point solver from the range current applying means, means including the current control means for applying to the coil systems, after the memory point instant, currents proportional to said induced voltages divided by the time interval following the memory point instant, means for driving the spherical core of the memory point dipole coils to maintain the axes of the azimuth and elevation coils pointing respectively in the directions of changing azimuth and changing elevation of the target while the axis of the range coil points toward the target, elevation being with respect to said vertical direction which means that the plane containing the range and elevation axes is vertical, and the azimuth axis is orthogonal to the range and elevation axes, whereby the voltages induced in the three dipole coils of the memory solver are proportional to the present, as contrasted to the memory point instant, components, in polar coordinates, of the memory instant range divided by said time interval, means for feeding to the prediction azimuth dipole coil, a current proportional to the present azimuth component of the memory instant range divided by said time interval, means for feeding to the prediction elevation dipole coil, a current proportional to the present elevation component of the memory instant range divided by said time interval, means for feeding to the prediction range dipole coil, a current proportional to the present range from the range finding means, divided by said time interval plus the present range from the range finding means, divided by the time from the present until the target is in the future position to be predicted referred to as the predicted time of motion of the target, regenerated from unit A defined below, minus the present range component of the memory instant range divided by said time interval, whereby the currents in the prediction dipole coils are components of and, in the form of a magnetic field, define a predicted position vector having the magnitude and direction of the predicted range to the predicted position, the magnitude being divided by the predicted time of motion of the target, three pickup coil systems referred to as future range, azimuth and elevation coils, mounted with their axes mutually orthogonal, which pickup coil systems are outside of and near the prediction dipole coils for receiving induced voltages respectively proportional to

the direction cosines of the predicted position vector with reference to the axes of the pickup coil systems, means for orienting and maintaining the pickup coil systems so that the induced azimuth and elevation voltages therein are zero whereby the range coil axis is parallel to the predicted position vector whereby the required direction is mechanically defined, said unit A consisting of two potentiometers coupled together in which a constant intensity current is imposed across the first potentiometer and its output is adjusted until the output voltage matches that of the predicted range coil whereby the setting of the first potentiometer is proportional to the magnitude of the predicted position vector which magnitude is the predicted range divided by the predicted time of motion and which equals that in the predicted range coil since the range coil axis is parallel to the vector and in which the second potentiometer is non-uniformly wound to have a resistance distribution in accordance with the ballistic function relating range to the time of motion of the projectile from the computer position to the future target position which must equal the predicted time of motion of the target and in which the setting of the second potentiometer is coupled directly to that of the first potentiometer whereby the output of the second potentiometer is independent of the predicted range and is inversely proportional only to the predicted time of motion, which second potentiometer output is multipled by the present range voltage from the range finding means and as thus continuously regenerated from the induced voltage in the predicted range coil is fed into the prediction range dipole coil along with two other items added algebraically as defined above with respect to current feeding means.

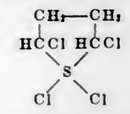
2,578,300
STEP PRINTER
Ward B. Hausman, Philadelphia, Pa.
Application April 19, 1946, Serial No. 663,487
5 Claims. (Cl. 95—75)



1. In a film printer, a suitable housing, a cap thereon having a track channel in one of its diameters on the outer surface, said cap also having a light opening and an elongated opening within the area of the track channel, a shaft journalled beneath the cap to be revolved from the outside of the housing, a triangular cam fixed on said shaft, a cam follower having a rectangular aperture and surrounding said cam, an arm projecting from said follower and having a bifurcated end in angular relation to the arm, a pin located below the cap and straddled by said bifurcated end, and a single tooth carried by said follower and projectable through the elongated opening.

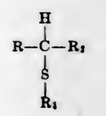
2,578,301
1,1,2,5-TETRACHLOROTHIOPHANE
Robert L. Haynor, El Cerrito, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 29, 1950
Serial No. 187,694
3 Claims. (Cl. 260—332.5)

1. As a new compound 1,1,2,5-tetrachlorothiophane having the formula



2,578,302
METHYLENEDIOXYPHENYL COMPOUNDS CONTAINING SULFUR AS INSECTICIDE AND PYRETHRIN SYNERGISTS
Oscar F. Hedenburg, Pittsburgh, Pa., assignor to Harold W. Moburg, trustee, Toledo, Ohio
No Drawing. Application September 29, 1948, Serial No. 51,862
8 Claims. (Cl. 260—338)

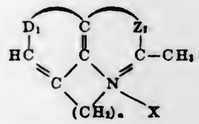
7. The compound having the generic formula



in which R is a substituent selected from the group consisting of the 3,4-methylenedioxyphenyl radical and the 3,4-methylenedioxyphenyl-alkyl radicals; R_2 is a substituent selected from the group consisting of the hydrogen atom and alkyl, alkyl carbonyl, alkenyl carbonyl, phenyl carbonyl, alicyclic carbonyl, acyl methyl and aroyl methyl radicals; and R_3 is a hydrocarbon substituent selected from the group consisting of alkyl, aryl, aralkyl, alkaryl, and alicyclic radicals.

2,578,303
QUINALDINIUM SALTS AND METHOD OF SYNTHESIS
Donald W. Heseltine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 8, 1950, Serial No. 154,881
11 Claims. (Cl. 260—286)

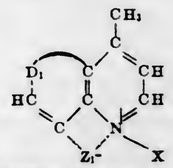
7. The quinaldinium quaternary salts selected from those represented by the following general formula:



wherein D_1 represents the non-metallic atoms necessary to complete a mononuclear aromatic group of the benzene series, Z_2 represents the non-metallic atoms necessary to complete a heterocyclic group of the pyridine series, n represents a positive integer from 2 to 3, and X represents an acid radical.

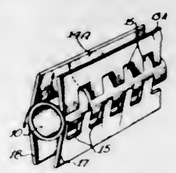
2,578,304
LEPIDINIUM SALTS AND METHOD OF SYNTHESIS
Donald W. Heseltine and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 8, 1950, Serial No. 154,882
14 Claims. (Cl. 260—286)

7. The lepidinium quaternary salts selected from those represented by the following general formula:



wherein D_1 represents the non-metallic atoms necessary to complete a mononuclear aryl group of the benzene series, Z_1 represents the non-metallic atoms necessary to complete a heterocyclic nucleus containing from 5 to 6 atoms in the heterocyclic ring, and X represents an acid radical.

2,578,305
FIN FOR HEAT EXCHANGE ELEMENTS
André Philippe Jean Huet, Paris, France
Application June 3, 1947, Serial No. 752,226
In France April 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 10, 1966
5 Claims. (Cl. 257—262.19)

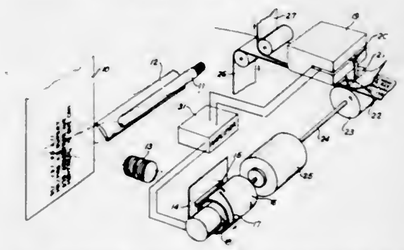


1. A heat exchange tube for exposure to gases that flow transversely of its longitudinal axis provided with symmetrically disposed longitudinally extending fins projecting from the tube surface in planes at either side of said axis and formed in the edge portions thereof in contact with the tube with longitudinal slots that form with the tube surface passages converging in the direction of flow toward the space between said fins for directing streams of fluid into contact with the downstream surface of said tube.

2,578,306
PROCESS FOR DIRECT OXIDATION OF ALDEHYDES AND ALCOHOL TO ACID
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 19, 1950, Serial No. 139,472
7 Claims. (Cl. 260—531)

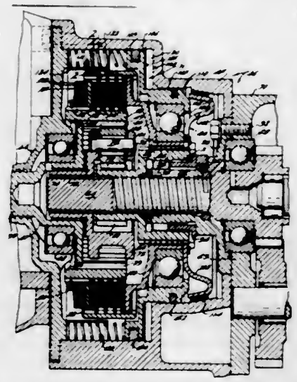
1. A process for oxidizing lower aliphatic alcohols directly and continuously which comprises contacting the lower aliphatic alcohol with an aldehyde activated combination catalyst which contains as essential ingredients contents of both cobalt and chromium ions, the combination catalyst being characterized in that the cobalt content is present from a small amount to saturation and is at least four times the chromium content, at the time of contacting the alcohol with the combination catalyst also passing lower aliphatic aldehyde and a gas containing free oxygen into the reaction whereby the alcohol is oxidized, withdrawing catalyst and product from the process and separating and returning the combination catalyst to the process.

2,578,307
FACSIMILE SCANNING DEVICE
Clayton E. Hunt, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 21, 1948, Serial No. 3,427
4 Claims. (Cl. 178—6.6)



3. In facsimile apparatus for scanning spaced parallel bands, a hollow rotatable cylinder provided with helical slits distributed around the circumference of the cylinder, the sum of the angles subtended by the slits being substantially 360 degrees, and the slits being spaced longitudinally of said cylinder in accordance with the spacing of the bands to be scanned, and a stationary plate having an aperture extending longitudinally of said cylinder for cooperating with said slits to provide a scanning aperture for traversing only the spaced parallel bands.

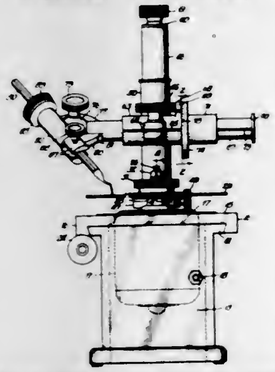
2,578,308
PLANETARY TRANSMISSION
Teno Iavelli, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 24, 1949, Serial No. 101,071
15 Claims. (Cl. 74—781)



1. In a power transmission the combination comprising a cylinder, a piston reciprocable in said cylinder, means for conducting differential pressure fluid to one side of said piston, a plurality of coil compression springs operable on

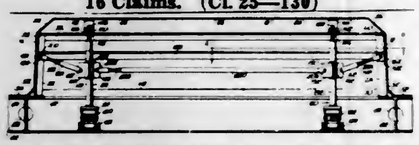
the opposite side of said piston and positioned in spaced relationship adjacent the wall of said cylinder and an annular undulated spring retainer means axially spaced from said piston having wall portions embracing said springs and other wall portions embracing said cylinder wall.

2,578,309
TOOL GRINDING MACHINE
Anton M. Kroczek, Chicago, Ill.
Application July 7, 1947, Serial No. 759,343
2 Claims. (Cl. 51—125)



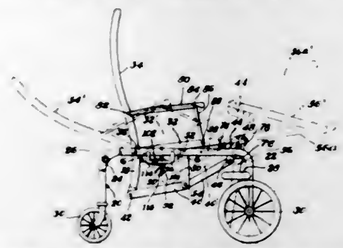
1. In a tool grinding machine including a base, a power driven grinding wheel mounted on said base and having its grinding surface disposed substantially in a horizontal plane, a support rigidly secured to said base and projecting vertically therefrom, means connected between said base and said grinding wheel for moving said grinding wheel linearly toward or away from said support, a substantially hollow sleeve mounted on said support and extending transversely thereof, a rod having a recess extending inwardly from one of its ends forming a pair of opposed jaws, a substantially circular disk having indicia on the periphery thereof, a tool carrying member rigidly secured to said disk, said rod having an extension projecting therefrom toward the periphery of said disk to form indicating means cooperating with said indicia, means extending between said jaws and coacting therewith to clamp said disk in its adjusted position, said rod being slidably and rotatably mounted within said sleeve, a pointer rigidly secured to said sleeve, and an indicia bearing flange connected with said rod for rotation therewith about its longitudinal axis and for movement in the direction of its longitudinal axis, said flange cooperating with said pointer to indicate the degree of rotation of said rod as said grinding wheel operates on a tool supported by said rod.

2,578,310
CORE FOR BURIAL VAULT MOLDS
Edward J. Lager, Davenport, Iowa
Application October 14, 1950, Serial No. 190,193
16 Claims. (Cl. 25—130)



1. In molding apparatus for the manufacture of burial vaults, the combination of: a box-like core body of elongated rectangular construction as viewed from above and having generally upright, opposite end and side walls and a top wall, each of said walls being constructed and arranged for displacement transversely selectively toward and away from its normal plane; base means fixed to the core body and exposed to the interior thereof; a pair of selectively expansible and contractible devices anchored to the base means and spaced apart lengthwise of the core body, each device having a member movable selectively upwardly toward and downwardly away from the top wall and within the core body; means connecting portions of the top wall directly to the device members for displacement thereof upon movement of the device members; a pair of elements connected to each device member and extending oppositely and laterally therefrom at equal angles and connected respectively to proximate portions of the side walls for simultaneously displacing said wall portions equally upon movement of the respective device member; a second pair of elements connected respectively and independently to the end walls and separately connected respectively to the device members, said elements of the second pair extending lengthwise of the core body in opposite directions and at equal angles for effecting displacement of the end walls upon movement of said device members; a reaction element extending between and having opposite end portions connected respectively to the device members to equalize the action of said device members so that displacement of the end walls is simultaneous; and means for actuating the devices to move the device members selectively upwardly and downwardly.

2,578,311
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application January 12, 1946, Serial No. 640,695
18 Claims. (Cl. 155—105)

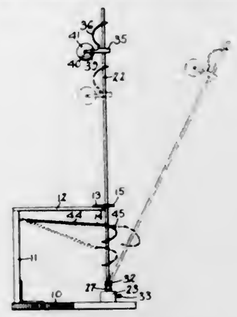


1. A reclining article of furniture, comprising: a support, a structure including a back-rest-member having a downward extension, a seat-member and means connecting said seat-member with the downward extension of said back-rest-member for controlling the movements of said back-rest-member and said seat-member in dependence on each other, said means including a chain of connecting links and guiding means, said guiding means being connected to said support and engaged with one of said connecting links, at least one of said connecting links being arranged below the plane of the seat-member, the ends of said chain of connecting links being pivoted to the seat-member and the downward extension of the back-rest-member at spaced points, means pivotally connecting at least one of said back-rest and seat-members to said support, a leg-rest, said leg-rest being pivoted to the front portion of said seat-member, and cooperating abutting surfaces arranged on one of said connecting links and on said leg-rest for controlling the movements of said leg-rest in dependence on the movements of said connecting link, said cooperating abutting surfaces loosely abutting against each other whereby said abutting surfaces may be disengaged from each other for the performance of independent movements of the leg-rest relative to the seat-member.

2,578,312
ESTERIFICATION OF CERTAIN AROMATIC POLYCARBOXYLIC ACIDS
Robert J. Miller and Paul C. Condit, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 31, 1949, Serial No. 73,862
4 Claims. (Cl. 260—475)

1. A process for the production of esters of high-melting alcohol-insoluble aromatic polycarboxylic acids which comprises slurrying the acid in an inert high-boiling slurry medium consisting essentially of a neutral liquid ester of the aromatic polycarboxylic acid and contacting said acid slurry with a vaporized alcohol containing 1 to 4 carbon atoms per molecule while maintaining the temperature of reaction in the range 120 to 200° C.

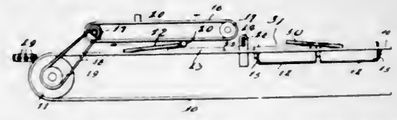
2,578,313
GAME PRACTICE DEVICE
Nicholas Moseley, Sandy Hook, Conn.
Application December 14, 1949, Serial No. 132,834
6 Claims. (Cl. 273—29)



1. In a practice device for tennis or like game, a base, a post rotatably mounted on the base to rotate about a vertical axis, a rod pivotally secured to said post about a horizontal axis, an abutment member, a spring urging said rod to a substantially upright position against an edge of said abutment member, and a ball mounted for vertical adjustment on said rod.

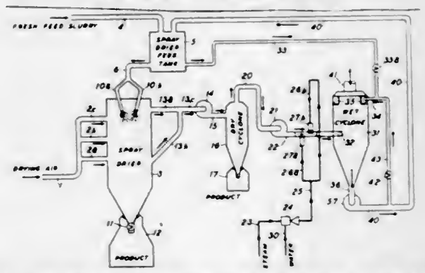
2,578,314
CONVEYER APPARATUS
Carl G. Muench, Glenview, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application February 21, 1949, Serial No. 77,531
5 Claims. (Cl. 198—29)

4. In combination with a belt conveyor, support means adjacent thereto, a rod mounted to the support means and positioned over the conveyor, extending transversely thereto and spaced therefrom a distance substantially the thickness of the material to be conveyed, the support means comprising a stop determining the lowermost position of the rod mounted thereto, a



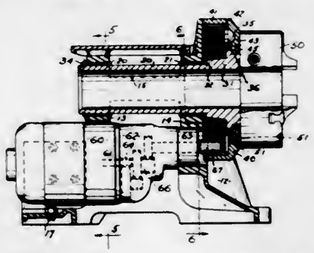
substantially vertical slot receiving the rod ends and providing a loose connection between the supports and the rod mounted thereto.

2,578,315
DUST RECOVERY
Frank M. Parker, Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application March 17, 1947, Serial No. 735,136
10 Claims. (Cl. 183—21)



1. In the process for the recovery of dust fines of an alkyl benzene sulfonate composition by humidifying a stream of gas containing said dust fines with steam, and subsequently impinging said-treated gas against the interior walls of an unobstructed collecting unit, whereupon said dust fines are carried away by a slurry of said alkyl benzene sulfonate composition running down along said interior walls, the step of injecting water simultaneously with steam in an amount sufficient to maintain the water content of said slurry of alkyl benzene sulfonate composition between about 30% and about 50% by weight of the solids.

2,578,316
POWER DRIVE
Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application February 18, 1948, Serial No. 9,270
1 Claim. (Cl. 74—421)



In a power drive, the combination of a frame, a hollow spindle rotatably mounted therein and having a head provided with an annular radially extending flange adjacent to but spaced inward from one end of said spindle and providing

radially extending shoulder spaced inward from said end, a cylindrical housing concentrically surrounding said spindle head but spaced radially therefrom and having an annular inwardly directed flange secured to said shoulder in an abutting relationship, said housing flange having a central opening to receive said spindle head, a chuck secured to said housing flange and having its inner face abutting both the end of said spindle and the outer face of the housing flange, internal gear teeth on the cylindrical interior of the housing, and a driving pinion disposed between the spindle and the housing meshing with said gear teeth.

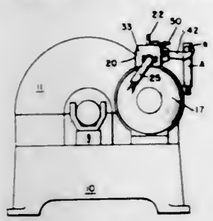
2,578,317

SWITCH LOCK FOR POWER DRIVEN TOOLS

Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio

Application July 30, 1948, Serial No. 41,651

9 Claims. (Cl. 200—169)



8. The combination of a cover for a switch box having an opening through which a manual actuating lever may project, said cover having a skirt adapted to extend onto the front of the switch box, a pair of spaced ears carried by said skirt, a bifurcated tool support pivotally mounted between said ears, a spring tending to swing the bifurcated support upwardly, a plate slidably guided on said cover having a notch at its rear end adapted to receive the switch lever in neutral position, and an operating connection between the locking plate and the bifurcated support, whereby in the absence of a weight on the support the plate due to the bias of the spring will maintain the switch lever locked in neutral position.

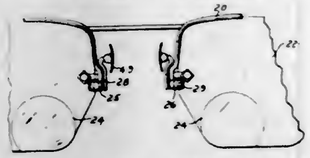
2,578,318

VERTICALLY ADJUSTABLE BIFOCAL SPECTACLES

Harry Ronicker, West Milton, and Roy A. Horn, Dayton, Ohio

Application January 31, 1948, Serial No. 5,656

4 Claims. (Cl. 88—49)



1. A pair of bifocal spectacles including a frame, a pair of temples, a pair of nose pads and a pair of bifocal lenses with the reading areas at the bottom of the lenses and below the horizontal line of vision when on the wearer, in combination with a plurality of means rigidly secured to said frame, each means having a plurality of recesses connected by a hole; members each having a plurality of recesses, one member being pivotally mounted in each of said means and in each of said nose pads to adjust said spectacles to move said reading areas from below the horizontal line of vision of the wearer up to the horizontal line of vision of the wearer; and means arranged in each of said holes and extending into the associated recesses of each of said first mentioned means and cooperating with the recesses in said members to retain said reading areas of the lenses in the position below the horizontal line of vision or in the horizontal line of vision depending upon the position into which said reading areas have been adjusted.

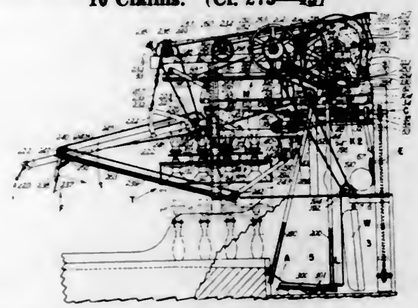
2,578,319

BOWLING PIN SETTING MACHINE

Gottfried J. Schmidt, Pearl River, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey

Application December 22, 1945, Serial No. 636,737

10 Claims. (Cl. 273—43)



1. In a bowling pin setting machine, a magazine for holding a plurality of bowling pins, a pin setter, pin spotters mounted on said setter, pin transfers for gripping, removing and transferring pins from said magazine to said spotters, mechanism for actuating said transfers after each first ball of a frame is thrown and prior to the rolling of the second ball of a normal two ball frame or the first ball of the next frame if a strike occurs to remove a new set of pins from said magazine and deposit said set of pins in said spotters, and selectively operated means adapted to move said setter to pin spotting position adjacent a bowling alley and locate said spotters in pin delivering position relative to said alley.

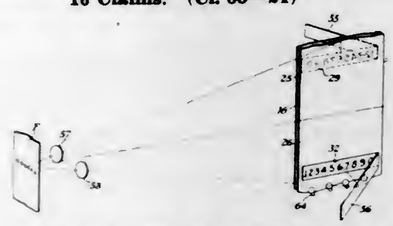
2,578,320

PHOTOGRAPHIC APPARATUS FOR SUCCESSIVELY COPYING EACH SIDE OF A DOCUMENT

Alvin E. Schubert, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 28, 1950, Serial No. 203,183

16 Claims. (Cl. 88—24)



1. In an apparatus for successively photographing each side of a document and having an exposure station, the combination comprising a guideway for said document and provided with an aperture for viewing the obverse side of said document, a second guideway for said document and provided with an aperture for viewing the reverse side of said document, said second guideway being a continuation of said first-mentioned guideway and said apertures being spaced apart in the direction of document movement by a distance greater than the length of said document, an advancing means for moving said document through said guideway and for moving a light-sensitive material through said exposure station in synchronism with the movement of said document, and means for successively projecting the images of the obverse and reverse sides of said document onto said sensitized material in spaced relation lengthwise thereof.

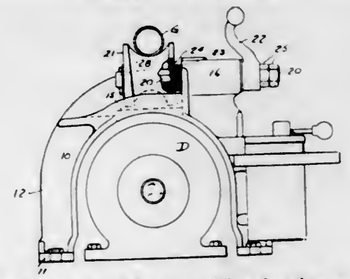
2,578,321

PIPE REST

Clarence W. Shafer, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio

Application February 18, 1948, Serial No. 9,260

2 Claims. (Cl. 10—107)



1. In a pipe working machine having a frame, a pipe chuck rotatably supported thereby, a pipe support spaced from the chuck and having a pipe supporting surface, said support comprising a spool having a continuous circumferential spiral groove extending into its periphery and the base of which groove has an annular portion which recedes relative to the axis of the spool, means to rotatably support said spool on said frame with its axis normal to the axis of the chuck and with its groove in alignment with a vertical plane passing through the chuck axis, means to rotate said spool, said means comprising a manually operable lever, and friction means to retain said spool in an adjusted position about its axis.

2,578,322

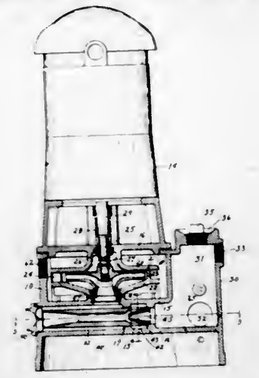
PUMP

Walter Shallenberg, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a corporation of Ohio

Application October 2, 1946, Serial No. 700,678

6 Claims. (Cl. 103—5)

1. In a shallow well pumping system, the combination of a casing, a pressure pump therein having a discharge chamber, a pressure tank, a discharge passageway from the discharge chamber of the pump to the pressure tank, a jet pump mounted in the base of the casing below the pressure pump and discharging into the suction inlet of the pressure pump, a chamber in the casing extending as low as the jet pump and as high as the top of the pressure pump, said last-mentioned chamber communicating with the nozzle of the jet pump and out of other communication in the casing with the discharge chamber of the pressure pump, a passageway from the pressure tank to the lower portion of the last-mentioned chamber, a service line, a passage-



way from the upper portion of the last-mentioned chamber to the service line, a suction line leading to the jet jump, and a check valve in the suction line closely adjacent to the jet pump.

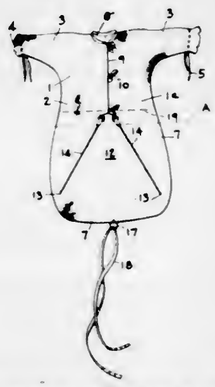
2,578,323

INFANT'S SLEEPING GARMENT

Luella Roberts Sillaway, Manhasset, N. Y.

Application November 18, 1949, Serial No. 128,097

1 Claim. (Cl. 2—69.5)



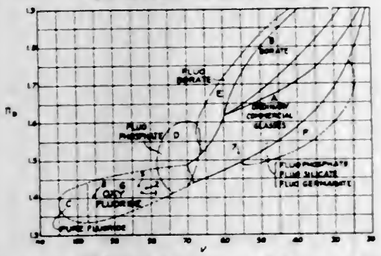
An envelope-shaped infant's outer garment closed entirely along its bottom and sides, the improvement in said garment comprising: said envelope having walls defining a triangular opening through the front of said garment and extending from adjacent the lower end of said garment to a point above the waistline of said garment; said opening being so arranged that its sides converge upwardly toward the waistline of said garment and the upper corner of said opening is substantially equidistant from the sides of said garment; a triangular flap attached on one of its sides to the bottom wall of said opening for closing said opening; slide fastener means being provided along two sides of said flap for detachably securing said sides of said flap to the corresponding walls of said opening; a closeable placket communicating with and extending from the upper corner of said opening to the top of said garment.

2,578,324
DESICCANT POUCH
Charles A. Southwick, Jr., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application September 7, 1945, Serial No. 614,985
3 Claims. (Cl. 183—4.8)



1. A package comprising sheets of fibrous container material having a relatively high rate of water vapor permeability, an overall coating on each of said fibrous sheets, which coating is a heat-sealable material, a finely divided fibrous material which also has a relatively high rate of water vapor permeability being embedded within and evenly distributed throughout said coating so that fibers of said last named fibrous material extend completely throughout said coating, some of which fibers are exposed at the coating surface and some of which are exposed to contact with fibers of said fibrous sheets of container material, said coating being rendered water vapor permeable by said embedded fibrous material, said sheets being arranged into container formation with the coating material on the inside and being heat-sealed where the sheets are in face-to-face seam forming relationship with said fibrous embedded material in said coating thereby strengthening said seam structure, and said container being provided with a desiccant to provide a package whereby water vapor readily can be absorbed through the walls thereof, said combined container structure having a high water vapor transmission rate.

2,578,325
OXYFLUORIDE GLASSES
Kuan-Han Sun, Pittsburgh, Pa., and Maurice L. Huggins, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 13, 1949, Serial No. 132,693
6 Claims. (Cl. 106—47)

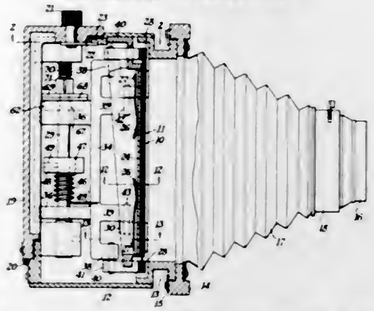


1. An oxy-fluoride glass consisting of the heat reaction product of a batch in which the following elements are present in the following ionic percentages: fluorine, 48 to 65; oxygen, 4 to 20; the total of fluorine and oxygen being between 64 and 72; sulphur, 1 to 3; beryllium, 9 to 12; aluminum, 3 to 6; and the following metals magnesium, 2.76 to 4.40; calcium, 2.66 to 3.81; strontium, 1.11 to 1.60; barium, .89 to 2.50; lead, .92 to 4.03; and lanthanum, .31 to 2.70.

2,578,326
PURIFICATION OF BENZENE POLYCARBOXYLIC ACIDS BY AN OIL SUBLIMATION PROCESS
William G. Toland, Jr., Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 6, 1949, Serial No. 114,268
6 Claims. (Cl. 260—525)

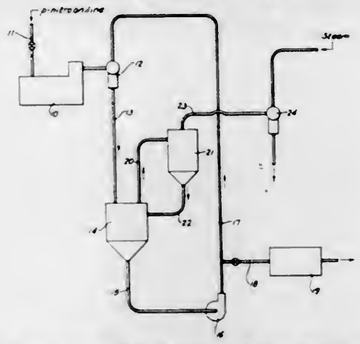
1. An improved sublimation process for separating benzene polycarboxylic acids in substantially pure form from solid mixtures containing them, which comprises suspending the solid mixture in a hydrocarbon oil which boils substantially in the range of from about 400 to about 750° F., heating the suspension in an evaporating zone to a temperature between about 415° F. and about 750° F which is below the melting point of the solid mixture, maintaining a reduced pressure in the evaporating zone and withdrawing a vapor phase comprising vaporized hydrocarbon oil and the sublimed benzene polycarboxylic acids from said evaporating zone.

2,578,327
HIGH-SPEED CAMERA
Fordyce E. Tuttle and William Bornemann, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 7, 1949, Serial No. 114,352
18 Claims. (Cl. 95—36)



1. A photographic camera for taking a plurality of different composite pictures in side-by-side relation on a single frame of light-sensitive material and comprising a lens; means for locating a frame of a light-sensitive material in the focal plane of said lens, a lined screen movably mounted directly in front of said frame and in parallel relation thereto, said screen including a plurality of spaced parallel transparent lines extending transversely of the screen and each spaced from the other by a linear area opaque to the rays to which said frame is sensitive and which opaque areas are wider than said transparent lines by an even multiple of the width of said transparent lines; a "capping" shutter movably mounted in front of said frame and substantially in face-to-face contact with said lined screen, and consisting of a plurality of parallel alternating transparent and opaque linear areas extending transversely of said frame and parallel to the lines of said screen, the transparent lines of said "capping" shutter being wider than the transparent lines of said screen, and the combined width of a transparent line and an adjacent opaque line of said shutter being equal to the centerline spacing of two successive transparent lines of said screen, whereby at any time one opaque line of said shutter is covering a transparent line of said screen, every other opaque line of the shutter is covering a different transparent line of the screen; means for driving said "capping" shutter and said lined screen across said frame in a direction substantially at right angles to the lines thereof from a starting position to an end position in each of which positions the opaque lines of said shutter cover corresponding transparent lines of said screen, said driving means moving said screen and shutter at different rates of speed so that during the travel across said frame the transparent lines of said screen and shutter are in alignment to expose said frame for a distance of travel of the screen equal to the centerline spacing of the transparent lines of said screen; means for moving both said screen and "capping" shutter to, and holding them in, their starting position; and means for releasing them simultaneously.

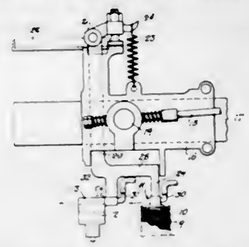
2,578,328
PROCESS FOR REDUCING NITROANILINES
Harold Von Bramer, James E. Magoffin, and Milton Clemens, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 16, 1948, Serial No. 21,428
7 Claims. (Cl. 260—580)



1. In a process for reducing a nitroaniline to a phenylenediamine, the steps which comprise passing steam heated from 150° C. to 350° C. over the nitroaniline, and introducing the resulting vapors of steam and the nitroaniline into a reducing system, consisting of an aqueous mineral acid selected from the group consisting of sulfuric acid, phosphoric acid and hydrochloric acid and metallic iron, and maintained at a temperature of from 60° C. to 90° C. where the said vapors are condensed and the nitroaniline contained in the steam distillate is reduced to a phenylenediamine.

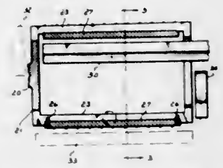
2,578,329
LABEL APPLYING MECHANISM
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application March 27, 1947, Serial No. 737,540
42 Claims. (Cl. 216—55)

1. In a labeling machine, a label supply station, means spaced from said station for supporting articles to be labeled, a vacuum device adapted to carry from said supply station to the article to be labeled a label shaped to the label carrying surface of such device, said surface having a shape other than flat and substantially conforming to the shape of the article surface to which the label is to be applied, and means at said label supply station for supplying to said



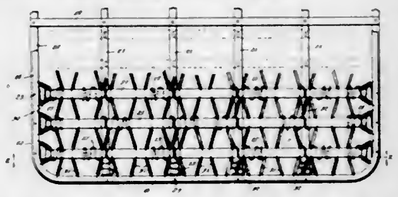
device a label having a form other than flat and shaped to substantially conform to the shape of said surface thereof.

2,578,330
THREAD ADVANCING REEL
Henry Von Kohorn, Westchester County, N. Y.
Application January 23, 1947, Serial No. 723,716
11 Claims. (Cl. 28—71.7)



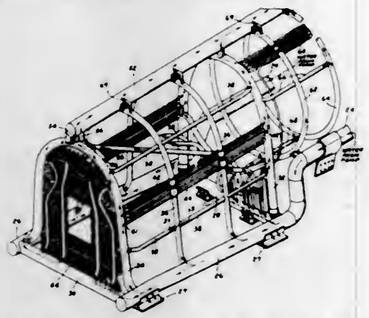
5. A reel for advancing helices of yarn axially comprising a rotatable shaft, a plurality of spaced, circumferentially arranged longitudinally extending bars for carrying the yarn along the reel mounted on said shaft for rotation therewith, and means including a magnet cooperating with said bars for reciprocating each of said bars radially in a pre-determined order.

2,578,331
BEDSPRING
Calvin F. White, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application June 12, 1946, Serial No. 676,150
4 Claims. (Cl. 5—247)



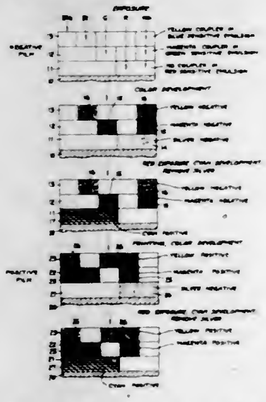
1. In a spring assembly, a base frame, a plurality of rows of load-supporting elements having lower ends secured to and upper ends spaced upwardly from said base frame, each of said elements being generally semicircular in form and comprising a sinusoidally bent wire having a plurality of generally parallel stretches extending transversely of the row in which the element is located, and a flexible strip extending along each row of elements at the upper ends thereof, said strip passing above the ultimate and antepenultimate stretches and below the penultimate stretch of each element.

2,578,332
WATER TUBE FIREBOX FOR LOCOMOTIVE BOILERS
Arthur Williams, Munster, Ind., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application February 12, 1946, Serial No. 646,981
8 Claims. (Cl. 122—58)



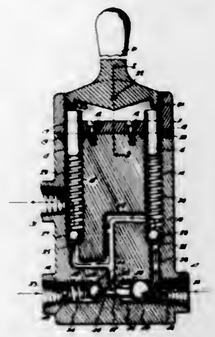
3. In a locomotive having a boiler and a firebox space therefor; the combination therewith of headers extending along opposite sides of the firebox space at the base thereof; inverted substantially U-shaped conduits in fluid communication with and interconnecting said headers at the front and rear of the firebox space and at a number of intermediate points spaced at intervals equal to several times their diameter; a plurality of horizontal tubes spaced around the firebox space on the sides thereof attached to and interconnecting said U-shaped tubes to form a rigid cage-like supporting structure disposed over the firebox space; and water circulating tubes lining the sides and top of said firebox space and supported by connection with said U-shaped conduits.

2,578,333
PHOTOGRAPHIC COLOR CORRECTION PROCESS
John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 28, 1949, Serial No. 101,759
3 Claims. (Cl. 95—2)



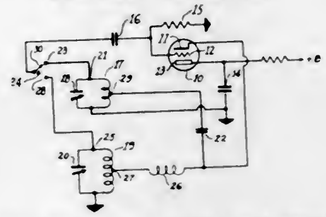
1. The method of making a color corrected photograph which comprises exposing to a colored subject an original color film having silver halide emulsions sensitized to the primary regions of the visible spectrum, at least one of said emulsions but no more than two containing a coupler compound capable of reacting with a color developing agent to form dye images of color complementary to the sensitivity of said emulsion, the remaining emulsions being free of coupler, developing the so-exposed portions to silver and subtractively colored negative dye images in said emulsions containing color former and to only negative silver images in the remaining emulsion by means of a color developing composition free of coupler compound, re-exposing the residual silver halide of said remaining emulsion and color developing the so-exposed silver halide therein to a positive dye image of color complementary to the emulsion sensitivity, exposing to the resultant negative and positive dye images a second color film of substantially the same composition as said original color film, developing therein three different subtractively colored dye images of which those corresponding to said negative dye images are negative thereto and positive to the original subject and those corresponding to said first-mentioned positive images are positive thereto and to said original subject.

2,578,334
HYDRAULIC SELECTOR VALVE
Norman R. Ashbaugh, Wichita, Kans.
Application April 15, 1949, Serial No. 87,733
4 Claims. (Cl. 277—20)



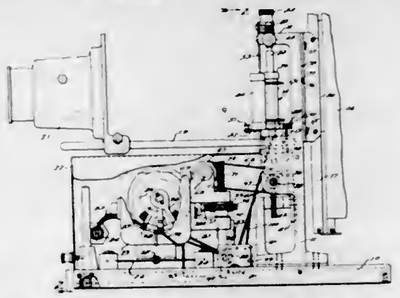
1. A device of the character described comprising a body having valved passages therein and having a pump connection, a container connection and a tank connection, a head for said body, a handle pivotally mounted in said head and means operable by the selective positioning of the handle to selectively permit the flow of fluid from the pump to the container, from the pump to the tank and from the container to the tank, said means including a pair of cylinders vertically disposed in said body, a ball valve seated in the lower end of each cylinder, a plunger slidably mounted in the upper end of each cylinder and extending through said head, a spring interposed between each of the valves and its associated plunger, a pair of dependent arms carried by the handle and abutting the upper ends of said plungers, a circuitous passageway connecting one cylinder above its valve with the other cylinder below its valve, a passageway between the last mentioned cylinder and the tank connection, a passageway connecting the lower end of the first-mentioned cylinder and the pump connection, a chamber connected with the container connection, a valved passageway between said chamber and the circuitous passageway.

2,578,335
MULTIBAND OSCILLATOR
Arthur Donald Baylor, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application December 27, 1948, Serial No. 67,273
5 Claims. (Cl. 250—36)



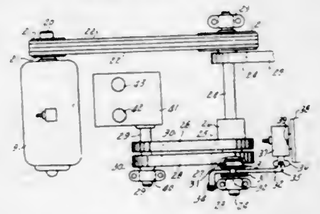
1. In a Hartley-type multi-band oscillator, the combination of a high frequency tank circuit, comprising inductance and capacitance in parallel, and a separate low frequency tank circuit, comprising inductance and capacitance in parallel, each of said tank circuits having a grounded terminal and two ungrounded terminals, a single vacuum tube having at least grid and cathode electrodes constituting an input adapted selectively to be coupled to either of said tank circuits, a capacitor having a very low impedance at the high frequency band and a very high impedance at the low frequency band for coupling one ungrounded terminal of the high frequency tank circuit to one of said electrodes, an inductor having a very low impedance at the low frequency band and a very high impedance at the high frequency band for coupling one ungrounded terminal of said low frequency tank circuit to said one electrode, and a range switch having two contacts individually connected to the remaining ungrounded terminals of said tank circuits for selectively coupling either of said remaining ungrounded terminals to the other electrode.

2,578,336
SIGN PROJECTION APPARATUS
Edward A. Bullock, Detroit, Mich., assignor, by mesne assignments, to National Advertising Company, Westminster, Md., a corporation of Delaware
Application July 17, 1948, Serial No. 39,280
7 Claims. (Cl. 88—24)



1. In a sign projector having a supporting bracket together with a film moving mechanism on said bracket for moving said film transversely of said projector, a motor for operating said mechanism, a driving connection between said motor and said mechanism comprising a pulley and a gear train carried by said motor, a second pulley rotatably mounted in said bracket, an endless belt engaging both pulleys whereby in response to operation of said motor said gear train operates said first pulley to drive said second pulley through said belt, and means responsive to motion of said second pulley for operating said mechanism to move said film transversely of said projector.

2,578,337
EDGING MACHINE
Samuel H. Coddington, Detroit, and Walter Merry, River Rouge, Mich.
Application April 1, 1947, Serial No. 738,664
1 Claim. (Cl. 80—36)



In an edging machine, a rotatable drive shaft, a gear box, a driving shaft operatively projected into said gear box, a sprocket gear secured on said driving shaft, a sprocket gear interconnected with said first sprocket gear and loosely journaled on said drive shaft, a free wheeling clutch on said drive shaft and engageable with said second sprocket for driving the same in one direction, a pair of spaced oppositely rotatable shafts operatively projecting from said gear box, a pair of rotatable die blocks mounted upon said shafts and having aligned annular concave recesses formed therein to operatively receive and forcefully bear upon the opposite longitudinal edges of a strip of stock as they draw the same therethrough at a predetermined rate of movement, a pair of interconnected oppositely rotatable vertically spaced rolls adapted to receive and compressively engage therebetween said stock after it passes said die blocks, a second sprocket on said drive shaft rotatable therewith, a third sprocket gear joined to said rolls and having less teeth than said second gear, and a sprocket chain connecting said second and third gears interconnecting said drive shaft and said rolls to draw the stock through the machine at an increased rate of movement with the stock driving said die blocks at an increased rate of movement.

2,578,338
PARAFORMALDEHYDE PRODUCTION WITH COUNTERCURRENT CONCENTRATION
Robert L. Craven, Westfield, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application April 21, 1949, Serial No. 88,791
4 Claims. (Cl. 260—340)

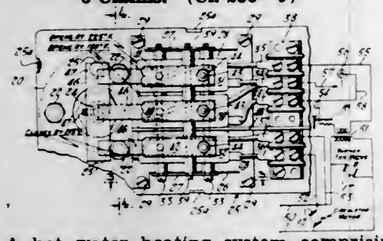
1. The process for the production of paraformaldehyde which comprises passing methanol conversion gases having an initial temperature between 200° C. and 300° C. in succession through a series of progressively less concentrated fractions of aqueous solutions of formaldehyde in a plate column, said aqueous solutions of formaldehyde flowing from plate to plate in said column in a direction opposite to the flow of said gases whereby the fractions become progressively more concentrated in formaldehyde, said fractions being sufficient in number to concentrate the formaldehyde to liquid paraformaldehyde.

2,578,339
SEALING GASKET
Alexander F. Cuthbert, Lynn, Mass.
Application March 11, 1949, Serial No. 80,879
1 Claim. (Cl. 288—33)



A sealing gasket made of polymerized chloroprene, the said gasket comprised of a main body having a series of holes extending from the outer sealing surface into the main body of the gasket, a lubricating film of hydrogenated cottonseed oil covering the surface of the gasket and the walls of the holes, and a layer of paraffin superposed on the lubricating film on the gasket surface and the wall surfaces of the holes therein.

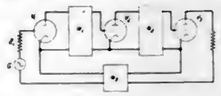
2,578,340
HOT WATER HEATING SYSTEM AND CONTROL THEREFOR
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 6, 1948, Serial No. 25,474
8 Claims. (Cl. 236—9)



1. A hot water heating system comprising a boiler, a hot water circulating system including radiation in a space to be heated and a motor operated circulator, a thermostat in the space to be heated, an intermittently operated, electrically controlled fuel burner for heating the boiler, a thermal motor subject to the temperature of the boiler water, and three switches, means for operating the three switches at different temperatures from the thermal motor, said means including individual levers adjustably connected at one end with the corresponding switch and having a yieldable spring on the other end to allow overtravel of the thermal motor two of the switches being in series with one another and with the burner operating controls and normally closed and the third switch being normally open and closing at a temperature intermediate the opening temperatures for the other two, the third switch being connected to the circulator motor to control it, the lower temperature opening switch of the first two being in parallel with a circuit including the room thermostat whereby, when the higher temperature opening switch is closed, the burner operating circuit may be established by the room thermostat to increase the temperature of the water in the boiler to a temperature higher than that which satisfies the lower temperature normally closed switch so that the circulator motor control switch may be closed.

2,578,341
STABILIZED FEEDBACK AMPLIFIER
Stephen Doba, Jr., Whippany, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1949, Serial No. 72,928
3 Claims. (Cl. 179—171)

1. A wave amplifying system comprising an amplifier, a feedback path extending between the output and input circuits of said amplifier and forming therewith a closed loop circuit, and frequency selective impedance networks in-

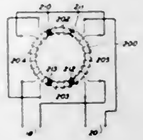


cluded in said loop circuit, said networks being proportioned to provide in combination with the gain of the amplifier a varying loop gain substantially in accordance with the relationship

$$\mu\beta=\frac{\left[\sqrt{1-\frac{f^2}{f_0^2}}-j\frac{f}{f_0}\right]^{(1-2\gamma)}}{\left[j\frac{f}{f_0}\right]^{(1-2\gamma)}}$$

in which $\mu\beta$ denotes the complex loop transmission ratio, γ is a number not greater than ½, f is the frequency of the wave to be amplified and f_0 is a given frequency such that $f<f_0$.

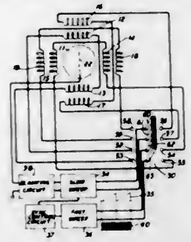
2,578,342
DEFLECTION COIL ASSEMBLY
Adolph C. Ekvall, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 15, 1946, Serial No. 654,555
5 Claims. (Cl. 313—79)



1. In a deflecting coil assembly for a cathode ray oscilloscope of the type which includes a toroidal core of magnetic material, with horizontal and vertical deflecting windings symmetrically arranged on said core, means for providing an initial deflection of the oscilloscope ray which comprises an even number of permanently magnetized members assembled as an integral portion of said core, one-half of said members being located diametrically opposite the other half, all of said members being symmetrically positioned with respect to one of said windings, the two groups of magnetized members being magnetically in opposition.

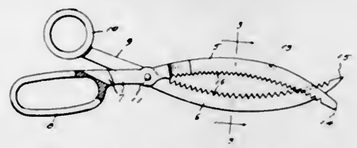
2,578,343
DEFLECTION COIL TESTING APPARATUS AND METHOD
Adolph C. Ekvall, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 13, 1946, Serial No. 676,396
4 Claims. (Cl. 315—27)

1. Apparatus for testing the degree of linearity of the magnetic fields produced by the normal service deflecting coils of a cathode ray oscilloscope having horizontal and vertical air-core deflecting coils which comprises a set of standard horizontal and vertical air-core deflecting coils constructed to be readily assembled over the service coils, said standard coils being manufactured and adjusted to produce magnetic fields having a high degree of linearity, a first source of recurring linear sweep wave current having a relatively long period sweep, a second source of recurring linear sweep wave current having a short period sweep, and switching means for alternately connecting the long period sweep to the horizontal and vertical standard deflecting coils re-



spectively, and simultaneously alternately connecting the short period sweep to the vertical and horizontal service deflecting coils respectively.

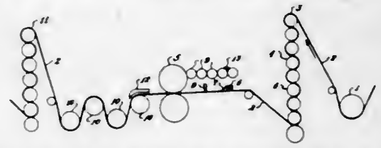
2,578,344
FISH AND CRAB TONGS
William Lloyd Everett, Wilmington, N. C.
Application April 22, 1946, Serial No. 664,111
1 Claim. (Cl. 294—106)



An implement of the character described comprising a pair of handles having finger receiving openings, an elongated gripping member extending forwardly from one handle and having flat side faces and being arcuate throughout its length to provide a longitudinally curved inner and outer side edges, a pair of elongated gripping members projecting forwardly from the other handle in transversely spaced relation to each other and being disposed against opposite sides of the first gripping member for a portion of their length and pivotally connected thereto, portions of the pair of gripping members, in front of their pivotal connection with the first gripping member extending away from opposite sides of the first gripping member and then forwardly in transversely spaced relation thereto, the said pair of gripping members being arcuate longitudinally to provide inner side edges curved longitudinally in a direction to the curvature of the first gripping member, the inner side edges of all of said gripping members formed with teeth, and a cross bar extending between the said pair of gripping members and secured to outer edge portions thereof and disposed across the first gripping member and spaced from the front ends of the gripping members.

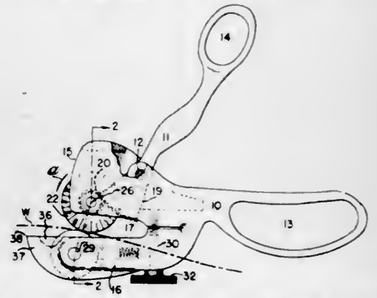
2,578,345
METHOD FOR IMPRINTING COATINGS ON PAPER AND PAPERBOARD
Harry C. Fisher, Cincinnati, and Brainard E. Sooy, Middletown, Ohio, assignors, by mesne assignments, to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
Application November 23, 1946, Serial No. 711,990
6 Claims. (Cl. 117—60)

1. That method of coating paper and paper board which comprises continuously applying a plasticizable water-borne substance to the surface of the fiber web and plastically working the same between rolls, continuously applying to the plasticized surface of the web a thin film of water-borne mineral coating material and immediately thereafter continuously imposing under pressure by means of a coated roll, another film of water-borne mineral coating material and



then drying the coated web continuously, whereby to attain a coated product having a greater surface smoothness and a greater surface brightness than a product similarly plastically worked and then coated under pressure by means of said coated roll with a single layer of a thickness equivalent to the combined thickness of said two films.

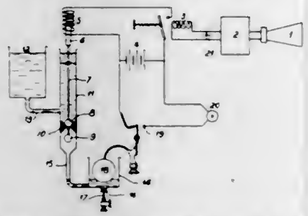
2,578,346
MECHANISM FOR CUTTING SHEET MATERIAL
Berkeley J. Florian, Plantsville, and Rodriguez Steuart Florian, Southington, Conn.
Application September 16, 1948, Serial No. 49,528
5 Claims. (Cl. 30—178)



1. A mechanism for cutting sheet material comprising an upper thumb-operated lever member provided at its forward end with a gear segment and a lower member provided at its forward end with a longitudinal slot extending from side to side thereof and open at one end for the reception of the material to be cut and defining at said forward end with upper and lower jaws; a cutting disk rotatably mounted upon said upper jaw adjacent to the forward end thereof and provided with a hub; a rotatable pinion annulus surrounding said hub and meshing with said segment; a cylindrical anvil roll rotatably supported by said lower jaw adjacent to the forward end thereof with its peripheral surface in contact with the periphery of said cutting disk; one-way clutch mechanism between and co-operating with said pinion annulus and said hub through which said annulus acts when oscillated by said segment to rotate said hub and disk in one direction only thereby to cause the latter to feed the material between said roll and disk and simultaneously to cause said disk to slit said material; an aperture formed perpendicularly through the intermediate portion of said lower roll-carrying jaw; an adjustable member occupying said aperture for holding said anvil roll and lower jaw in co-operative relationship with said disk, said

member having an inner threaded portion occupying a threaded socket formed in said upper jaw and being rotatably adjustable to vary the pressure of said roll against said disk.

2,578,347
SIGNAL TRANSMITTING DEVICE FOR VEHICLES
François Gagnaire, Lyon, France
Application July 29, 1947, Serial No. 764,500
In France April 4, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 4, 1964
7 Claims. (Cl. 177—352)



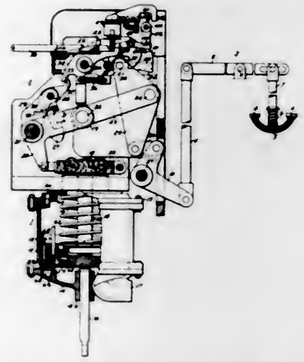
1. A system for installation in a vehicle to operate indicating means in said vehicle when excited by signals transmitted from a following vehicle, said signals being repetitive and being within a limited operative range with respect to length of signal and spacing therebetween, said system comprising a signal receiver having means for converting the individually received signals independent of their lengths into pulses of constant length and amplitude; a differential totalizer having means for increasing the totalizer content incrementally for each pulse received and having means for decreasing the totalizer content at a fixed and continuous rate, the rate of the decreasing means being so related to the rate of the converted pulses when received at a rate within the operative range as to permit the totalizer to reach a predetermined totalized content; and an indicator actuated by said totalizer when it attains said predetermined content.

2,578,348
TELEVISION NOISE MEASURING TECHNIQUE AND APPARATUS
Danforth K. Gannett, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 19, 1949, Serial No. 105,539
11 Claims. (Cl. 171—95)



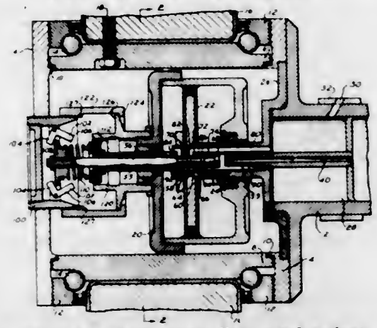
1. A circuit for measuring the effective noise of a television circuit which comprises in combination a first network having a uniform attenuation characteristic over a selected frequency band, a second network having an attenuation characteristic which over said frequency band has a uniform positive slope of 6 decibels/octave, a square-law detecting circuit, means to connect said first and said second networks alternatively in energy transfer relation between said television circuit and said square-law detecting circuit, a direct current meter connected to receive output energy from said detecting circuit, said meter having an indicator which moves simultaneously over a pair of calibration scales, one of said scales calibrated to read the output energy of said meter in terms of ½ decibels, and the other of said scales calibrated to read the output current in terms of ½ decibel.

2,578,349
DUMP VALVE FOR A CIRCUIT BREAKER PNEUMATIC MOTOR
Edwin C. Goodwin, Canton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 14, 1948, Serial No. 27,076
6 Claims. (Cl. 200—82)



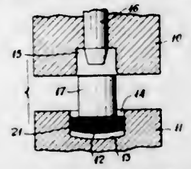
1. In an operating mechanism for circuit breakers, a motor operable by fluid under pressure and comprising a cylinder and a piston movably arranged therein; a source of fluid under pressure; means for admitting fluid under pressure from said source to said cylinder to move said piston to a closed position; a collapsible linkage of the trip free type operated by said motor; latching means for restraining said linkage in a closed position; electroresponsive tripping means for releasing said latching means to cause collapse of said linkage; a first spring means for resetting said linkage upon collapse thereof; a plunger operated by said piston for operating said linkage to close the breaker; means for permitting return of said plunger and of said piston from a closed position to an open position irrespective of the position of said linkage; a second spring means for returning said plunger and said piston from a closed position to an open position; means including a piston type venting valve for said cylinder for permitting said second spring means to rapidly return said plunger and said piston from a closed position to an open position to permit said first spring means to rapidly reset said linkage; said valve further including means for biasing said valve to a closed position and means operative only upon initial opening of said valve by separate initial valve opening means for maintaining said valve in an open position by the action of pressure of fluid escaping through said valve; and separate initial valve opening means operating under the action of fluid under pressure supplied to said cylinder from said source and adapted to be operative during each stroke of said piston from an open position to a closed position upon reaching by said piston of a predetermined intermediate position.

2,578,350
VARIABLE PITCH PROPELLER
William L. Greene, Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application June 1, 1944, Serial No. 538,248
6 Claims. (Cl. 170—160.21)



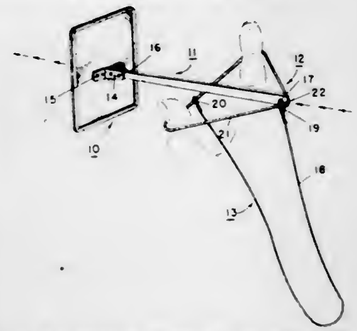
3. A variable pitch propeller mechanism comprising a hub, blades journaled in the hub for pitch-changing movement about their respective axes, means connected to the blades and movable in either of two directions to increase or decrease the pitch of the blades, means responsive to the speed of rotation of the propeller for controlling the operation of the blade-moving means, means exerting a force on said controlling means in opposition to that exerted thereon by increases in the speed of rotation of the speed-responsive means and the force of which is constant over a predetermined range of pitch variation whereby the opposing forces of said means maintain a predetermined pitch and constant speed of rotation, and means including a part which is connected to the blade-moving means and is movable therewith, said means being operable upon movement of said blade-moving means in changing the pitch of the blades to an angle outside of such range to change the force of said opposing means whereby the opposing forces of said means maintain a predetermined speed of rotation different from the first.

2,578,351
METHOD OF MAKING ROCK DRILL BITS
Hugh Manton Griffiths, Bradway, near Sheffield, England, assignor to Rip-Bits, Limited, Sheffield, England, a company of Great Britain and Northern Ireland
Application October 25, 1948, Serial No. 56,362
In Great Britain October 27, 1947
1 Claim. (Cl. 76—108)



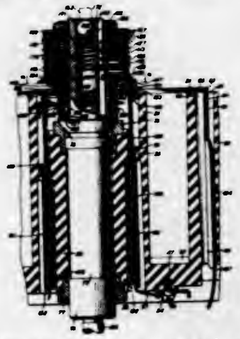
The method of manufacturing a percussive rock drill wherein the cutting edge thereof is constituted of at least one hard metal insert, which comprises forging a heated metal member about a hard metal insert between a pair of co-acting dies, one formed with a recess which is complemental to the working face of the drill end and the other of which is formed with a recess and a plunger movable therein, by first placing in the recess of the die which is complemental to the working face of the drill end the preformed hard metal insert with its cutting edge and two opposite end faces confined in juxtaposition with the walls of such recess and with the basal face and two opposite side faces of said insert exposed in said recess, then placing the heated metal member upon the basal face of the insert and subjecting said heated member to a forging action between the dies to spread the metal of the heated member around the exposed faces of the insert, thereby to form a drill bit having a rear drill-rod abutment end and a front cutting end with the insert exposed thereat to form a cutting edge thereof.

2,578,352
SHOOTING FLY SWATTER
Frank P. Grunkemeyer, Morris, Ind.
Application January 10, 1950, Serial No. 137,735
6 Claims. (Cl. 43—135)



1. A fly swatter comprising a handle, a body portion mounted on one end of said handle at substantially right angles to the handle, an elastic member attached to the handle and an elastic loop secured to the elastic member whereby the placing of the handle against a portion of said elastic loop and placing said loop under tension will project the handle and body portion freely when the tension is released and the elastic member will return the swatter.

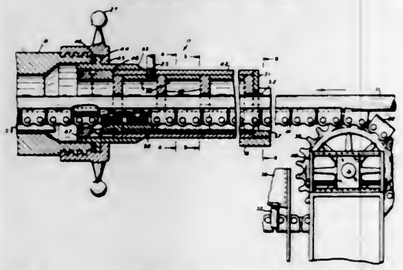
2,578,353
ELECTRICAL CONTROL DEVICE
Leon N. Hampton, New York, Orwar S. A. Mesch, St. Albans, and Charles V. Obst, Richmond Hill, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1946, Serial No. 661,246
6 Claims. (Cl. 201—56)



1. In an electrical device in which a wiper con-

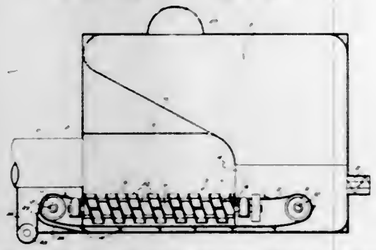
tact, engages a resistance element, a body, a pair of spaced walls in said body and defining a space in said body to receive the resistance element and a spring wedge shaped device in the space defined by said walls and operating against one of said walls and applying spring pressure to the resistance element to hold the resistance element in place in said body for engagement by the wiper contact.

2,578,354
CONTINUOUS VULCANIZATION APPARATUS
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 30, 1949, Serial No. 130,158
4 Claims. (Cl. 18—6)



4. In an apparatus for continuously vulcanizing coverings on large cable cores, and the like, including means for extruding a vulcanizable covering on a cable core, an elongated vulcanizing chamber and means for introducing steam under a high pressure into the vulcanizing chamber, the improvement which comprises an endless conveyor passing through the vulcanizing chamber, a plurality of cradles secured to the carrier for supporting a covered cable core during its passage through said chamber, means for driving said conveyor, seals positioned at the entrance and exit ends of said chamber, and means for introducing water into said seals under a pressure substantially equal to the pressure of the steam in said chamber, each of said seals comprising a tubular member and a plurality of baffles spacedly positioned in said tubular member and having openings therein of a contour substantially the same as but slightly larger than the composite contour of said conveyor, said carriers and a covered cable core resting on said carriers.

2,578,355
DEHYDRATION OF MINERAL SALTS BY DRUM DRIER
Arthur A. Holland, Chaplin, Saskatchewan, Canada
Application November 3, 1948, Serial No. 58,097
In Canada October 8, 1948
3 Claims. (Cl. 159—10)

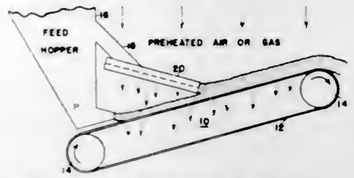


1. Dehydrating apparatus comprising a drying chamber, a spray device mounted longitudinally of the chamber at each side adjacent the bottom thereof, said spray device comprising a rotatably mounted drum, a spiral blade mounted longitudinally on the drum, and a plurality of the transverse walls between adjacent flights of the blade each extending from the periphery thereof to the drum to form cup-like compartments circumferentially disposed between adjacent flights of the blade, and a conveyor extending longitudinally of the chamber and located between the spray devices.

2,578,356
PROCESS OF REMOVING BACKS FROM MARINE AND FRESH WATER SHELLS
Joseph H. Hooton, Englewood, N. J., assignor to Richelieu Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 24, 1949, Serial No. 83,289
3 Claims. (Cl. 252—1)

1. A process of removing backs from marine and fresh water shells comprising the steps of placing the shells in an autoclave, covering said shells with an aqueous solution of an alkali phosphate selected from the group consisting of the trialkali phosphates and the dialkali phosphates and mixtures thereof, closing the autoclave, subjecting the shells to heat treatment corresponding to steam gauge pressure of 1 to 200 p. s. i. for a sufficient time to cause the backs of the shells to crack and separate from the remainder of the shell, and then stopping the treatment before any exfoliation of the body of the shells takes place.

2,578,357
METHOD FOR TREATING GRANULAR SOLIDS
James Hyslop, St. Clairsville, Ohio, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 18, 1949, Serial No. 100,056
2 Claims. (Cl. 34—25)



1. The method of drying coal which comprises establishing a laterally moving stream of coal in a heating zone, continuously supplying fresh coal to one end of said stream prior to its passage through said heating zone, circulating heated gas downwardly through said fresh coal in said stream, whereby said coal is at least partially dried, discharging more fresh coal directly onto the top of said treated coal at a plurality of points intermediate the ends of said stream, and circulating heated gas downwardly through the resulting progressively enlarged stream of coal.

2,578,358
SIGNALING DEVICE FOR AUTOMOBILES
Ernest E. Jellison, Twin Falls, Idaho
Application March 31, 1947, Serial No. 738,343
2 Claims. (Cl. 177—311)

2. In a device of the character described, a housing; reduction gearing in said housing adapted for attachment to and to be driven by the speedometer cable of an automotive vehicle, said reduction gearing including a worm and a worm gear, said worm gear normally driven by said worm and mounted for axial sliding movement into and out of engagement therewith; mileage indicator means having an indicator element rotatably and axially coactive with said worm gear, said indicator element being rotatably driven by said worm gear whereby to indicate visibly the angular movement of the latter and also comprising a manual actuator for moving the worm gear axially into and out of engagement with the worm and for rotatably adjusting said worm gear with respect to said worm; a



dial behind said indicator element; indicia on said dial correlating angular movement of said indicator element and the number of miles traversed by the vehicle; additional means for automatically disengaging said worm and said worm gear after each substantially complete revolution of the worm gear; an electrical circuit including lamp means arranged to illuminate said dial and normally open switch means in proximity to said worm gear; and means carried by said worm gear and co-ordinating with said disengaging means for closing said switch means at substantially the same time the worm is disengaged from the worm gear.

2,578,359
STABILIZATION OF HALOGENATED ORGANIC COMPOUNDS WITH DIBUTYL DIPHENYL TIN
Russell L. Jenkins, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 19, 1946, Serial No. 691,652
15 Claims. (Cl. 252—63.5)

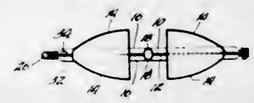
1. A composition of matter consisting essentially of a halogenated aryl hydrocarbon and a stabilizing amount of dibutyl diphenyl tin.

2,578,360
ELECTRICAL CONNECTOR
Arthur R. Jubenville, Huntington, N. Y.
Application March 28, 1949, Serial No. 83,883
1 Claim. (Cl. 24—261)



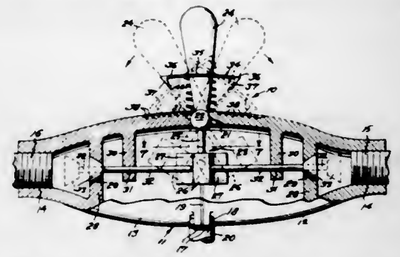
An electrical connection for attachment to a round terminal post and the like comprising a single piece of spring metal wire, said wire being bent to form two substantially parallel arms when in unassembled relation, a formed circular shaped notch in each said arm, said notches being formed on facing sides of said arms, said notches having substantially straight parallel faces at right angles to the longitudinal axis of the arms, the arcs of said notches having equal radii greater than one half the distance between the deepest portions of said notches in said unassembled relation whereby in assembled relation said arcs form portions of the periphery of the same circle of equal cross section with the post and said notches contact said post over a substantial area of surface in intimate contact therewith.

2,578,361
PLASTIC MOLD FOR ICE CREAM, CONFECTIONS, ETC.
John Kappel, Chicago, Ill.
Application June 13, 1946, Serial No. 676,381
2 Claims. (Cl. 107—19)



1. A multiple cavity molding unit comprising a pair of similarly shaped rectangular plastic plates, each of said plates having a reinforced flattened perimetric edge, clamps for securing opposed edges of said plates together, said plates each having flat inner faces adapted to be pressed together, each plate constructed with a plurality of cavities, each cavity adapted to receive half of an object to be formed in the juxtapositioned cavities of the two faces, the edges of said cavities being aligned so that a complete object is molded in each set of cavities, and reinforcing braces comprising ridges formed in each of the outer faces of said plates, said ridges extending in transverse directions between four adjacent cavities.

2,578,362
COMBINATION FAUCET
James B. Kluver, Salem, Oreg., assignor of forty per cent to Robert A. Schaeffer, Amity, Oreg.
Application November 19, 1948, Serial No. 60,911
7 Claims. (Cl. 277—20)



1. A faucet comprising an elongated housing having an inlet port at each end thereof and an outlet intermediate of its ends, one of said inlet ports being adapted to be connected to a hot water supply conduit and the other of said inlet ports being adapted to be connected to a cold water supply conduit, a partition wall adjacent each end of the housing, said partition walls being provided with inwardly tapered ports, a pair of frusto-conical valves normally closing said ports having inwardly extending valve stems, guides in said housing for the valve stems, and a valve actuator including a substantially spherical intermediate portion, said housing having an opening forming a socket for turnably receiving said substantially spherical portion, said valve actuator having an outwardly projecting portion disposed externally of the housing and forming a handle, and a head constituting the opposite end of the valve actuator disposed within said hous-

ing and spaced from the spherical portion, said head having oppositely disposed corresponding cam surfaces engaging the inner adjacent ends of the valve stems, said handle being swingable toward either end of the housing for causing the head to move the valve adjacent the opposite end of the housing to an open position, and said handle being swingable in one direction transversely of the housing to cause the cam surfaces to engage the adjacent ends of the valve stems and to exert a thrust against the valve stems in directions in alignment with the axis thereof to move the valve stems away from one another so that both of said valves will be simultaneously opened by engagement of their valve stems with the cam surfaces.

2,578,363
CADMIUM SULFIDE PIGMENTS
Guy C. Marcot, Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 28, 1946, Serial No. 680,099
7 Claims. (Cl. 106—301)

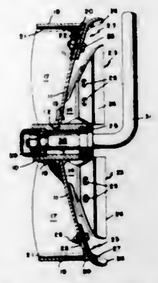
1. In preparing cadmium pigments, the improved process of preparing a cadmium sulfide reactant which comprises: preparing an aqueous cadmium sulfate solution, precipitating the cadmium content therefrom with an alkali metal sulfide, washing the content of alkali metal sulfate in the resultant precipitate to below about 5 mol percent of the cadmium sulfide but stopping the washing before dispersion of cadmium sulfide becomes excessive, forming an aqueous slurry of the washed precipitate, treating the resultant slurry with a sufficient amount of a member selected from the group consisting of the alkaline-earth metal sulfides and sulfhydrates to produce an excess of alkaline-earth metal ions in the mother liquor on filtration whereby alkaline-earth metal sulfate in amount equivalent to the alkaline metal sulfate content is precipitated, and collecting the resultant mixed precipitate of cadmium sulfide containing about 3–5% by weight thereof of the alkaline-earth metal sulfate.

2,578,364
HINGED TUBULAR JOINT
Glenway Maxon, Jr., Milwaukee, Wis.
Application March 28, 1945, Serial No. 585,233
2 Claims. (Cl. 287—100)



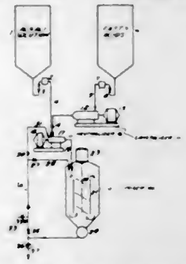
1. In a structure of the character described: main and secondary members disposed at an angle to one another with the end of the secondary member adjacent to the side of the main member and their axes intersecting, said members having helically arranged deformations at least at their proximal regions; and means for connecting said members at their proximal regions comprising a collar embracing the exterior of one of said members and having means to coact with the helical deformations on said member for holding the collar against axial displacement with respect thereto, a second collar on the exterior of the other of said members also having means to coact with the helical deformations thereon for holding the second collar against axial displacement, arms on one of said collars disposed at opposite sides of said plane passing through the axes of the members and having their ends overlying the opposite sides of the other of said collars, and a pivotal connection between the end portions of said arms and said other collar for pivotally connecting said collars.

2,578,365
COTTON CHOPPER
William H. Mayberry and C. R. Mayberry, Kennett, Mo.
Application May 12, 1949, Serial No. 92,934
1 Claim. (Cl. 97—217)



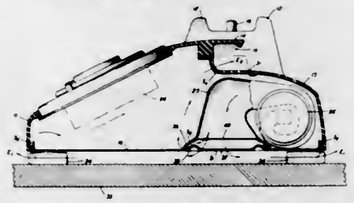
A rotary cotton chopper, comprising a tubular hub, a concavo-convex disk secured to the hub, a plurality of radial spokes formed by cutouts from the outer portion of the disk, an arcuate shoe plate secured to the convex side of each spoke adjacent to the outer end thereof and extending laterally outwardly from the convex side thereof, a plate spoke forming a central rib on the convex side of each radial spoke and secured radially of and to the hub, the disk and the shoe plate, and a cutter blade mounted for radial adjustment on the outer end of each of said disk spokes at the concave side of said disk, the cutting edges of said blades being arcuate and projecting beyond the outer surfaces of said shoes.

2,578,366
CONTINUOUS PROCESS FOR NEUTRALIZING FATTY ACIDS
Victor Mills, Springfield Township, Hamilton County, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application February 23, 1945, Serial No. 579,341
13 Claims. (Cl. 252—367)



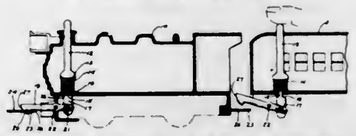
1. In a continuous process of neutralizing soap-making fatty acids to produce directly, without a drying step, soap of predetermined moisture content between about 12 per cent and 27 per cent, the steps of: intimately mixing proportioned streams of fatty acids and of an aqueous solution of an alkali in the presence of a recirculated and precooled stream of soap previously formed in the process, said aqueous solution having a concentration such that the soap resulting from the neutralization has said predetermined moisture content between about 12 per cent and about 27 per cent; and regulating the temperature of the reactants in the zone of neutralization so that the soap as formed, together with the recirculated soap, is in a pumpable condition, between 130° F. and 215° F., and is above that temperature at which it loses its pasty cohesiveness and becomes tough and resistant to flow as it approaches complete solidification, and is below its atmospheric boiling point.

2,578,367
TELEPHONE MOUNTING
Edward E. Mott, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1949, Serial No. 107,300
8 Claims. (Cl. 181—31)



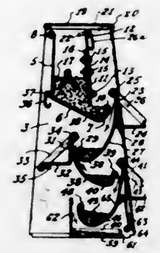
1. A telephone mounting comprising a base having an apertured portion, a housing on said base having an apertured portion spaced from said first apertured portion, a loudspeaker station signal device within said housing and including a horn having its mouth opposite and parallel to said first apertured portion, and means defining a restricted acoustic passageway between the interior and exterior of said housing adjacent the periphery of said base.

2,578,368
TOY COUPLING
Charles Nehrke, New York, N. Y.
Application November 23, 1946, Serial No. 711,970
1 Claim. (Cl. 46—218)



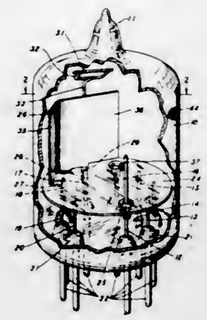
A car coupling comprising coupling means carried by adjacent car ends for cooperative engagement in coupling and uncoupling the cars, one of said coupling means comprising an elongated flat eye, said eye horizontally attached to the center of one end of a car, a stake vertically positioned in an adjacent car end along the longitudinal axis of the car with its upper end projecting above said car and its lower end projecting below said car, said stake having upper and lower shoulders, a spring seated upon said stake with its upper end seated against said upper shoulder and its bottom end seated upon the bottom of the car, creating a forward pressure upon said stake, said lower shoulder of said stake limiting the forward movement of said stake by stopping against the bottom of the car, a pivoted horizontal hook hinged to the lower portion of said stake, said eye receiving said hook for coupling said cars.

2,578,369
MULTIPLE POULTRY FEEDER
Carl L. Noelcke, Sr., Cincinnati, Ohio
Application October 5, 1946, Serial No. 701,428
5 Claims. (Cl. 119—53.5)



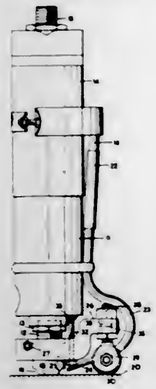
1. In a poultry feeding device and the like, a pair of spaced, upstanding supports having a plurality of horizontally arranged members extending therebetween, said members being substantially hook-shaped in cross section and having a higher and a lower edge, each member being positioned to provide an upwardly opening feeding trough adjacent its lower edge, said members being arranged in substantially vertical, spaced alignment with successive members facing in opposite directions, the upper edge of each member extending higher than the lower edge of the member next above, and spaced therefrom so as to catch feeding material dislodged from the trough of said member next above and deliver it directly into its own trough.

2,578,370
GASEOUS DISCHARGE DEVICE
Donald S. Peck, Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1950, Serial No. 157,897
9 Claims. (Cl. 313—198)



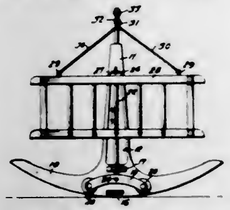
3. A gaseous discharge device comprising a plane cathode having a cut-out portion in one edge, an insulating spacer adjacent said edge and having apertures therein, a first eyelet secured in one of said apertures, an anode extending through said first eyelet and secured thereto, and a second eyelet secured in another of said apertures, said second eyelet being adjacent said cut-out portion and comprising a starter electrode for said discharge device.

2,578,371
TOOL FOR SHAVING DOWN LOCAL PROTUBERANCES
Joseph Plester, Coventry, England, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Baginton, Coventry, England
Application February 6, 1948, Serial No. 6,756
In Great Britain June 23, 1947
1 Claim. (Cl. 90—12)



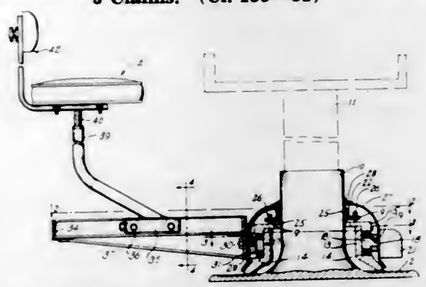
A tool for shaving down local protuberances on a generally flat surface comprising a body, a motor supported by said body, a tubular surface contacting member supported by said body, a rotary face milling cutter driven by said motor and being within said surface contacting member, the latter surrounding said cutter, being of an internal diameter substantially that of a protuberance and terminating with a flat extremity which is substantially co-planar with said cutter, a bracket carried by said surface contacting member intermediate the ends thereof, and a pair of spaced coaxial wheels carried by said bracket for jointly providing with the flat extremity of said surface contacting member a three point support for the tool when on the generally flat surface with the flat extremity of said surface contacting member and said cutter substantially fully in contact therewith, said surface contacting member having its flat contacting extremity relieved on a line bisecting said wheels through which protuberances can pass and be guided for engagement by said cutter as the tool is traversed over the generally flat surface.

2,578,372
COMBINATION CRIB AND CRADLE
William Pope, New Orleans, La.
Application October 21, 1949, Serial No. 122,790
6 Claims. (Cl. 5—106)



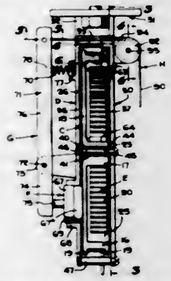
1. A device of the character described comprising a pair of spaced parallel rockers, an upright member centrally connected with each rocker, a crib, means for swingably suspending said crib upon said upright members, a pair of rollers carried by each of the upright members, means for raising and lowering said rollers above and below the bottoms of said rockers and means associated with said raising and lowering means for locking the crib to said upright members.

2,578,373
ROTARY SEAT ATTACHMENT FOR BARBERS' CHAIRS
David M. Powell, La Junta, Colo., assignor to Powell and Richert, Inc., La Junta, Colo.
Application November 4, 1948, Serial No. 58,175
3 Claims. (Cl. 155—81)



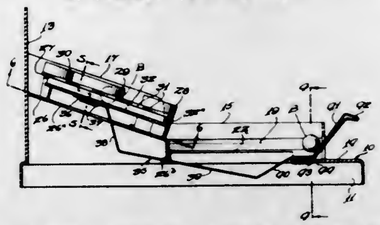
1. In a rotary seat attachment for a barber chair, the combination with a vertically disposed column for supporting a main chair, of a sleeve supported in spaced concentric relation with and about said column, the sleeve having an external annular shoulder, an annular bearing race supported on said shoulder and having its bottom secured thereto, a collar arranged in surrounding relation with respect to said column and secured to the top of said sleeve and bearing race, a counterweight operatively connected to the intermediate rotatable portion of said bearing race, a block arranged in diametrically opposed relation to said counterweight and operatively connected to the rotatable intermediate portion of said bearing race, a pair of spaced parallel substantially horizontal tracks projecting from and secured to the said block, a carriage block mounted for sliding movement in said tracks, a seat post having one end secured to said carriage block, a seat arranged above said post, and means operatively connectmg said seat to said seat post.

2,578,374
APPARATUS FOR HANDLING IRRIGATING FLUID
Edmond O. Pratt, Los Angeles, Calif.
Application October 18, 1947, Serial No. 780,628
10 Claims. (Cl. 128—227)



1. Apparatus for handling irrigating fluid including, a container, a suspension line carrying the container, a spool on which the line is wound and having a line carrying rim supported by and projecting from one side of the peripheral portion of a web that is flat and which projects radially from a hub, a mounting bracket with a mounting pin rotatably supporting the hub carrying the spool, means within the spool normally yieldingly tending to rotate the spool to wind the line onto the spool, and a brake carried by the bracket and engaging said side web of the spool normally holding the spool against rotation.

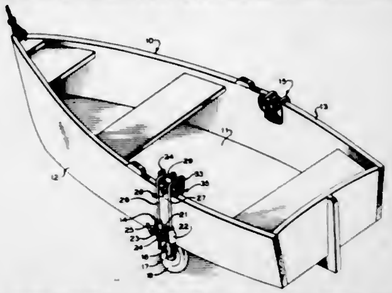
2,578,375
SKEE-BALL GAME APPARATUS
Edouard M. Sire, New York, N. Y.
Application January 28, 1950, Serial No. 141,070
12 Claims. (Cl. 273—101)



5. A game comprising a body, a ball striker disposed at one end of said body for hitting a ball to be projected, a scoring member at the other end of said body having a plurality of openings formed therethrough for receiving the projected ball into any one of said openings, an inclined guideway from said scoring member to a point adjacent to said striker for guiding the ball thereto upon discharge of the ball from said scoring member, a ball support normally disposed immediately below said openings for retaining a projected ball in one of said openings, an elongated spring element having its respective ends connecting said ball support to said striker, said elongated spring element having a bend formed at its connection to said striker so as to form a lever of said spring element and said striker whereby depression of said striker at one end of said spring element urges the other end of said spring element connected to said support in an upward direction, and means disposed between said bend and said other end of said spring element resisting said urge in an upward direction, said last-named means operating thereby as a fulcrum point so as to effect downward actuation of said other end of said spring member whereby said support is correspondingly downward actuated so as to permit the ball to fall through an opening and along said support to said inclined guideway.

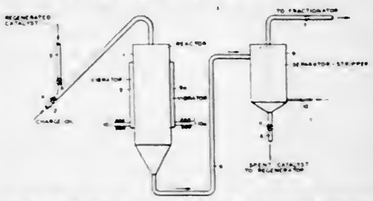
2,578,376
WHEELED ATTACHMENT FOR BOATS
Alexander Smith, Sanford, Fla.
Application November 14, 1946, Serial No. 709,829
3 Claims. (Cl. 280—61)

1. An auxiliary utility wheel for attachment to a boat to facilitate the transportation thereof comprising a U-shaped hook for embracing a portion of said boat, a U-shaped bracket pivotally mounted on said hook for rotation about a horizontal axis, the legs of said bracket extending above said hook and being provided with opposed aligned vertically disposed slots, elongated rods extending outwardly and downwardly from said bracket, the upper extremities of said rods being mounted within said slots for pivotal and slidable movement in a vertical plane with respect thereto, an angle bracket adjustably secured upon said rods adjacent the lower extremities thereof and including means for adjusting the angular relationship between said angle bracket and said rods, a portion of said angle bracket extending horizontally inwardly and beneath the bottom of said boat, a U-shaped bracket mounted beneath said inwardly extending portion for rotative movement about a vertical axis, a wheel and axle mounted within said



last mentioned U-shaped bracket, and toggle means connecting the upper extremities of said elongated rods and said first mentioned U-shaped bracket for moving said first mentioned U-shaped bracket and said angle bracket toward each other to clamp said wheel upon said boat, said elongated rods being swingable about their pivot mountings whereby said rods, angle bracket and wheel may be housed inwardly of said boat in inoperative position.

2,578,377
CATALYTIC CONVERSION OF HYDROCARBONS WITH FINELY DIVIDED CATALYSTS UTILIZING SONIC VIBRATIONS
Reading Barlow Smith, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 24, 1947, Serial No. 756,782
2 Claims. (Cl. 196—52)

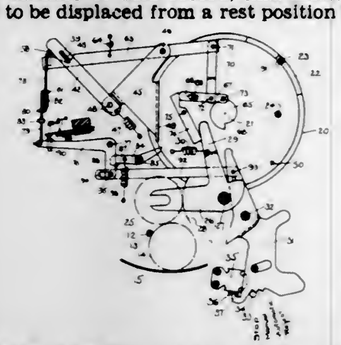


1. In a catalytic process for the conversion of hydrocarbons wherein a suspension of finely divided catalyst in the hydrocarbons in vapor phase and under conversion conditions is passed through a vertically elongated reaction zone, the improvement which comprises passing said catalyst and vapor phase hydrocarbons through said reaction zone in a longitudinal direction and simultaneously subjecting said catalyst to continuously generated sonic wave vibrations of the travelling wave type propagated in a direction generally perpendicular to said longitudinal direction.

2,578,378
AUTOMATIC STOP MECHANISM FOR RECORD CHANGERS
Sven A. Stolberg, Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 30, 1945, Serial No. 613,470
4 Claims. (Cl. 274—10)

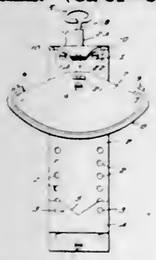
1. In a record-changing phonograph having a

turntable, a motor, a tone arm, a one-cycle cam, connections between said cam and said tone arm to control tone-arm movements when said cam is moved through one cycle of its movements, means to support a record above the turntable in nonplaying position, a pivoted member rested on said record and adapted to fall about its pivot in the absence of said record, link means positioned to be displaced from a rest position by said



member in the fallen position, a bell crank connected at one end to said link to be rotated by said link when displaced, a lock positioned normally to prevent rotation of said bell crank, a pin on said one-cycle cam positioned to engage said lock and unlock said bell crank once during each rotation, and a switch in the motor circuit positioned to be opened by said bell crank when rotated.

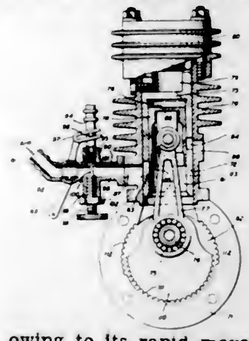
2,578,379
PIVOTED JAW CLOSURE REMOVER WITH ECCENTRIC PIVOT
Samuel M. Taylor, Vallejo, Calif.
Application October 23, 1945, Serial No. 624,029
2 Claims. (Cl. 81—3.44)



1. A device of the character described, comprising a body, a jaw member pivotally mounted on the body and adapted to swing across a face thereof, a jaw block, coacting means carried by the body and block for holding the block in different selected positions with respect to the jaw member comprising openings spaced along the body, and pins carried by the jaw block insertible in said openings, said openings and pins being disposed to define an acute angle with the portion of the said face of the body lying between the jaw member and the block.

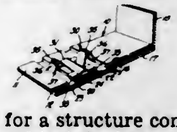
2,578,380
MEANS FOR PREPARING IGNITIBLE MIXTURES
Hermann Teegen, Bunde, Westphalia, Germany, assignor to Lohmann-Werke A. G., Bielefeld, Germany, a corporation of Germany
Application June 21, 1949, Serial No. 100,479
7 Claims. (Cl. 123—119)

1. A device for preparing an ignitible mixture for an internal combustion engine, comprising a casing, a vent in the casing to admit air thereto, said casing having a rough inner surface to increase the formation of eddies of the air passing along said surface, a duct connected to said casing to admit liquid fuel thereto, a movable member in said casing, a driving means for said member to move it rapidly in said casing, said



member, owing to its rapid movement, being a means to vehemently agitate said air in said casing, to break up said liquid fuel, in particles, and to mix said particles thoroughly with said air, and another duct connected to said casing to conduct quantities of said mixture to the combustion chamber of said engine.

2,578,381
SHEET METAL SNAP FASTENER
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 17, 1948, Serial No. 15,477
3 Claims. (Cl. 24—81)

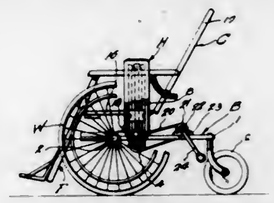


1. A fastener for a structure comprising spaced flanges and an object to be secured over said spaced flanges and having a connecting portion on its underside, said fastener comprising a piece of sheet metal providing a base and portions at opposite ends of said base each comprising a pair of spaced tabs and a spring arm between said pair of spaced tabs of greater length than said pair of spaced tabs, said spaced tabs projecting outwardly from one side of said fastener base for engaging said connecting portion on said object, and said spring arms projecting outwardly from the opposite side of said fastener base for engaging said spaced flanges to secure said object over said spaced flanges.

2,578,382
EQUIPMENT FOR USE IN HANDLING INVALIDS
Joseph Henry Thompson, Gastonia, N. C.
Application July 25, 1947, Serial No. 763,662
1 Claim. (Cl. 155—30)

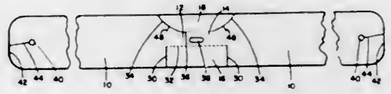
An article of the character stated comprising a portable base structure, a fixed horizontal platform carried thereby, standing housings secured to the base platform at opposite sides thereof, heavy duty screws rotatably supported by the platform and extending upwardly into the housings, means for rotating the screws in unison,

blocks fitted in the housings and threaded upon the screws, means holding the blocks against rotation in the housings, said housings being opposed in a direction transversely of the body, the opposed faces of the housings being provided upwardly therealong with slots, the second men-



tioned means including a cross member positioned intermediate the housings and operatively connected through the slots with the blocks within the housings, and a chair structure including a seat, the seat of such structure being mounted upon said cross member.

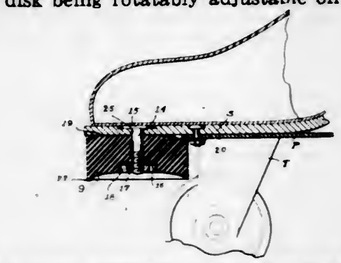
2,578,383
SHIELD FOR GARMENT HANGERS
Harry A. Tomarin, Cincinnati, Ohio, assignor to Loroco Industries Incorporated, Reading, Ohio, a corporation of Ohio
Application October 18, 1946, Serial No. 703,948
5 Claims. (Cl. 223—88)



1. A shield for a garment hanger of the type which includes upwardly convergent shoulder portions which merge at their upper ends to form a suspension portion, said shield comprising a one-piece strip of sheet material of substantially uniform width formed to provide a pair of wings to overlie the shoulder portions of a hanger, and a medial member connected to and spanning said wings wherein the width dimension of said medial member is less than one-third of the overall width dimension of said wings, a pair of flaps secured to and carried by opposite side edges of said medial member and spanning said wings, one of said flaps foldable upwardly into a plane at substantial right angles with said medial member to provide an abutment for the collar portions of garments supported on said hanger, the other of said flaps foldable downwardly and thence rearwardly under and in spaced parallelism with said medial member, and means provided in said wings engageable with said last mentioned flap for locking it in a folded position.

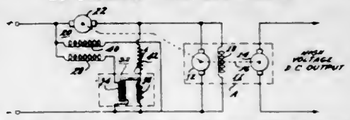
2,578,384
SHOE SKATE AND STOP ASSEMBLY
Eugene J. Wall, Springfield, Ill.
Application October 18, 1946, Serial No. 704,043
3 Claims. (Cl. 280—11.2)

1. A bumper and toe stop for roller skates comprising a disk body of yielding material concaved on its bottom side to form a peripheral sharp edge, the body having a recess formed in the center of the bottom of the concavity, a bolt passing axially through the body and extending into said recess, and a securing nut on the said end of the bolt and lying within said recess, the said disk being rotatably adjustable on the bolt



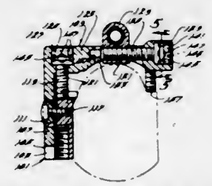
for securing a selected portion of said sharp edge in a desired position for use.

2,578,385
VOLTAGE REGULATOR
Sidney Wald, Collingswood, and Ted E. Dunn, Pennsauken, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 30, 1948, Serial No. 36,223
16 Claims. (Cl. 318—343)



1. In a device of the type described including an electric machine having (1) input terminals adapted to be connected to a source of voltage, and (2) a motor armature, in combination, an auxiliary electric machine having an armature and means including a field winding for establishing a magnetic field for said auxiliary machine, said last named armature being mechanically coupled to said motor armature and being connected in series with said motor armature and one of said input terminals between said motor armature and said one terminal, and means including said field winding for regulating the magnetic field for said auxiliary machine in response to variations in the voltage across said motor armature.

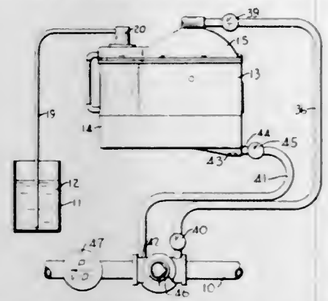
2,578,386
GUN SIGHT MOUNTING
Harvey A. Williams, Davison, Mich.
Application March 12, 1949, Serial No. 81,033
1 Claim. (Cl. 33—56)



In a gun sight mounting, the combination of a supporting bracket, a block member to be mounted on the gun, a peep sight member, each of said members being connected to said bracket for sliding movement relative to the bracket in directions at right angles to each other respectively, separate means for adjustably fixing each member relative to the bracket, at least one of said means including an adjusting screw journaled in the bracket and threaded into one of said members, said screw having an enlarged head and said bracket having a countersunk screw re-

ceiving opening with the screw head positioned within the enlarged portion of the opening, said screw head being provided with click recesses spaced circumferentially about the axis of the screw, said screw head being provided with a circumferential retaining groove intersecting the click recesses and lying in the same transverse plane, said bracket having a blind hole intersecting the screw axis and with portions extending radially on opposite sides of said countersunk opening and located in the transverse plane of said groove, both said hole portions opening into said opening and one terminating at its outer end within said bracket and the other opening at its outer end at a face of the bracket, a spring pressed click detent mechanism in said one hole portion confined between the bottom of said hole and the bottoms of said click recesses, and a retaining set screw threaded into the other hole portion and having one end fitting in said groove and the other end accessible from the face of said bracket into which said hole portion opens.

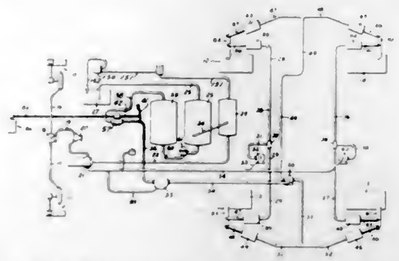
2,578,387
FEEDER
Lawrence E. Albertson, Minneapolis, Minn., assignor to The McKays Company, St. Paul, Minn., a corporation of Delaware
Application March 21, 1947, Serial No. 736,313
9 Claims. (Cl. 210—31)



1. In an apparatus for feeding chlorinating solution into a water main in direct proportion to flow of water in said main, first means to restrict the flow of water in the main, second means downstream of said first means operative to cause pressure in said main between said first and second means to be of value less than atmospheric, an air tight mixing receptacle, a feed pipe leading from said water main upstream of said first means into said mixing receptacle, a discharge pipe leading from a lower portion of said mixing receptacle and opening to said water main between the first and second means, a chlorinating solution containing reservoir open to atmosphere, and a feed pipe leading from within said reservoir into said mixing receptacle.

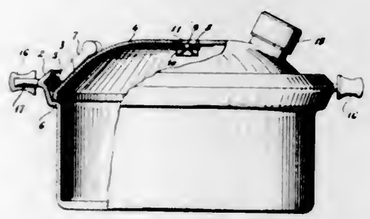
2,578,388
BRAKE SYSTEM FOR VEHICLES
Franklin Marple Ambler, Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application April 8, 1947, Serial No. 740,235
2 Claims. (Cl. 188—106)

1. In braking systems for vehicles, the combination of braking apparatus for a vehicle, mechanical hand brake mechanism for braking said vehicle, first fluid pressure actuated means responsive to said mechanical hand brake mechanism for operating said braking apparatus, foot actuated, fluid pressure operated means for operating said braking apparatus, a main storage receptacle for fluid under pressure, an auxiliary storage receptacle for fluid under pressure, first conduit means providing communication between said main and auxiliary storage receptacles, second conduit means for supplying fluid under pressure from said auxiliary storage receptacle



to said first fluid pressure actuated means, third conduit means for supplying fluid under pressure from said main storage receptacle to said foot actuated fluid pressure operated means, and check valve means in said first conduit means for preventing the flow of fluid from said auxiliary storage receptacle to said main storage receptacle when the fluid pressure in said main storage receptacle falls below a predetermined value.

2,578,389
PRESSURE COOKER CLOSURE STRUCTURE
Björn F. Andersson, Ulvsunda, Sweden
Application October 29, 1947, Serial No. 782,802
In Sweden September 11, 1947
1 Claim. (Cl. 220—46)



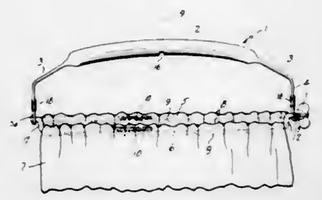
In a pressure cooker or the like, including a receptacle and a cover therefor, a pressure seal comprising an upper end portion integral with the top edge of said receptacle, said upper end portion being of greater diameter than the side wall of the receptacle and providing an upwardly facing shoulder at the top edge of said receptacle, an inwardly and upwardly extending frusto-conical flange integral with the top edge of the portion of greater diameter, the under face of said frusto-conical flange having a downwardly and inwardly facing sealing surface, an outwardly and downwardly extending frusto-conical peripheral flange on said cover, said peripheral flange having its greatest outside diameter less than the smallest inside diameter of the flange on the receptacle, whereby the cover is free to pass through the orifice defined by said receptacle flange, said peripheral flange having an upwardly and outwardly facing sealing surface which is parallel to and spaced from the sealing surface of the receptacle flange when the cover is in closing position with the outermost edge of its flange resting upon the shoulder at the top of the receptacle, and a flexible and elastic packing ring of substantially square radial cross section loosely disposed between said parallel surfaces, said packing ring having a thickness somewhat less than the distance between said surfaces and in non-assembled released condition having plane annular parallel faces and cylindrical inner and outer surfaces joining said annular parallel faces.

2,578,390
COMBINATION BILLFOLD AND COIN PURSE
George E. Bastow, Amherst, Mass.
Application September 4, 1948, Serial No. 47,780
1 Claim. (Cl. 150—35)



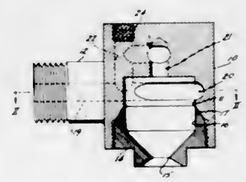
A combined billfold and pocket-book construction comprising in combination, an elongated outer member having a transverse intermediate fold line and end fold lines spaced longitudinally therefrom dividing said member into first and second and third and fourth sections, an inner member having a transverse fold line forming inner and outer sections, said inner section overlying said second section and having a lower transverse edge secured to said outer member adjacent said intermediate fold line, a flap member overlying said third section and having one side edge thereof secured to one side edge of said third section, said fourth section being foldable onto said flap member and said third section being foldable relative to said second section whereby said fourth section may be superposed on said inner section, said outer section being foldable onto said third section, said outer section and third section being provided with releasable engaging fastening means, an intermediate member between said second section and inner section having lower and upper portions, a lower edge of said lower portion of said intermediate member being secured to said second section adjacent the intermediate fold line and opposite side edges thereof secured to opposite side edges of said second section and forming therewith a first pocket open at the upper side thereof, the upper portion of said intermediate member extending downwardly from the upper edge of the lower portion and between the lower portion of said intermediate member and said inner section and having a lower edge secured therebetween adjacent said intermediate fold line and provided with opposite side portions in the form of gussets having free side edges secured to side edges of said inner section, the lower and upper portions of said intermediate member forming a card space therebetween and transversely of the structure open at its opposite ends, the upper portion of said intermediate member and said inner section forming a second pocket open at its upper side, said first section adapted to overlie the outer side of said outer section, and releasable securing means carried by said sections whereby they may be secured over the pockets.

2,578,391
SHOPPING BAG AND PANTS HANGER
Leo J. Behr, Bridgeport, Conn.
Application April 28, 1948, Serial No. 23,837
2 Claims. (Cl. 224—45)



1. A device of the character described comprising a frame including a handle with spaced substantially parallel end members extending laterally therefrom, a pair of supporting rods extending between the end members adapted for supporting a flexible bag member looped about the rods, said end members being provided with openings into which the rods extend, stop shoulders on the rods adjacent the end members and extending laterally from the rods to retain them against longitudinal movement out of the openings and located outside the bag loops to retain the bag on the rods when the rods are removed from the frame, and securing means for the rods adapted to be easily released to permit easy removal of the rods from the frame.

2,578,392
SPRAY NOZZLE
David Bendersky and Frank H. Gage, Kansas City, and Wallace M. Yocum, Independence, Mo., assignors, by mesne assignments, to Viking Corporation, Hastings, Mich., a corporation of Michigan
Application May 14, 1949, Serial No. 93,394
12 Claims. (Cl. 299—114)



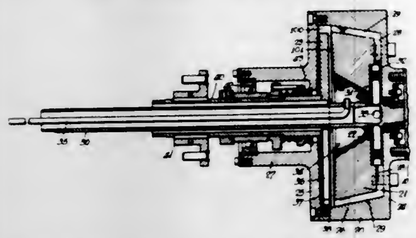
1. A spray nozzle of the class described, having a body, a chamber therein having a circular wall, a liquid passageway in said body leading to said chamber and discharging thereinto tangentially of said circular wall, an outlet orifice from one end of said chamber, a second inlet passageway to said chamber discharging into the end thereof opposite from said outlet orifice, and a diversion passageway in said body leading from said liquid passageway transversely of said passageway and communicating with said second inlet passageway and diverting liquid from said first liquid passageway by the static pressure of the liquid flowing through said first liquid passageway.

2,578,393

APPARATUS FOR TREATING MATERIALS

Henry W. Bevarly, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application March 10, 1947, Serial No. 733,705
11 Claims. (Cl. 259—9)



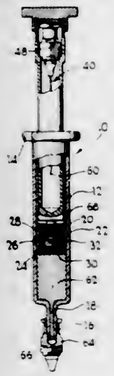
1. An apparatus for treating flowable material, including a rotatable casing having an inner peripheral wall inclined in respect to the axis of the casing, a core within said casing and rigid therewith, means between said casing and said core to form a plurality of separated passages adjacent to said peripheral wall and extending in the same general direction as the axis of the casing, non-rotatable means for delivering the material to said casing at one end of said passages, and non-rotatable means for withdrawing material from said casing adjacent to the opposite end of said passages.

2,578,394

HYPODERMIC SYRINGE

Stanley Blackman, Brooklyn, N. Y., assignor to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J., a corporation of New York

Application December 4, 1947, Serial No. 789,698
4 Claims. (Cl. 128—218)



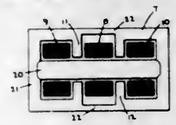
1. A hypodermic syringe including a barrel and a plunger slidable therein, said barrel having a ground conical tip, a pharmaceutical preparation in said barrel under the plunger, a shaft for said plunger, said shaft extending above the barrel so that the top of the shaft is always completely clear of the barrel, rapidly detachable attaching means operable by manipulation of the top of the shaft alone for connecting said shaft to said plunger, said shaft having a hollow interior and a closed bottom, a hypodermic needle disposed wholly within the interior of said shaft and supported therein with the open end of the needle hub facing the top of the shaft, said shaft having an opening at the top thereof which communicates with the hollow interior, a closure member for covering said opening and an imperforate closure member frictionally receiving and covering said tip.

2,578,395

ELECTRICAL BALLAST

Wesley W. Brooks, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application September 25, 1947, Serial No. 776,082
5 Claims. (Cl. 323—44)



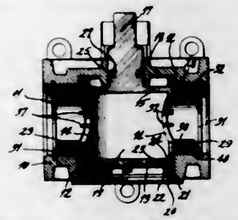
1. An electric ballast comprising, in combination, a transformer having input and output circuits each including a coil on a unitary magnetic core, said core having a high reluctance magnetic shunt section between said coils for increasing the series reactance of said transformer and having a high reluctance series section for decreasing the exciting reactance of said transformer, the reluctance of said shunt section being higher than the reluctance of said series section, and a series capacitor in said output circuit, the reactance of said capacitor being of the order of at least twice the series reactance of said transformer, the exciting reactance of said transformer being such as substantially to neutralize in said input circuit the effect of the net capacitive reactance of said output circuit.

2,578,396

VALVE AND SEALING STRUCTURE THEREFOR

Clyde A. Brown, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application October 12, 1945, Serial No. 621,876
16 Claims. (Cl. 251—103)



3. In combination in a valve construction including a valve housing having a fluid passageway therein, a control member movably mounted within said housing and having a port therein registrable with said passageway, a sealing ring within said passageway at the juncture between said housing and member, means for urging said sealing ring into snug sealing engagement with the contiguous surfaces of the housing and member at said juncture, and means including structure extending across said port for holding the sealing ring against protruding into said port in the relative movement of said housing and member carrying said port across said sealing ring.

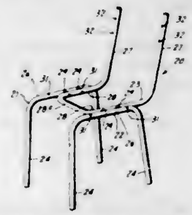
8. In combination in a valve construction of the character described, a housing, a rotary member within said housing, said housing having a passage, said member having a port registrable with said passage but of smaller diameter, a sealing ring disposed within the corner formed by juncture of said passage and said member, a retainer for said sealing ring having a shape adjacent to said member complementary to the adjacent surface of the member and formed with a groove receptive of said sealing ring, said groove and housing having means cooperative on the line of movement of the port in said member during the rotation of the member to retain the sealing means against projection into the port.

2,578,397

FURNITURE CONSTRUCTION

William N. Brown, Winona Lake, Ind., assignor to Arnolt Corporation, Warsaw, Ind., a corporation of Indiana

Application February 10, 1948, Serial No. 7,332
5 Claims. (Cl. 155—194)



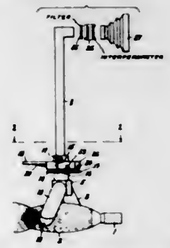
1. In a furniture frame structure, a pair of separately formed tubular frame members respectively affording elongated securing portions disposed in parallel spaced relation, a substantially U-shaped member having spaced limb portions between said spaced securing portions, at least one of said securing portions being deformed on the side adjacent the other securing portion, and said U-shaped member being formed complemental to said deformations, and means securing said securing portions to said U-shaped member with said deformations operatively engaged with complemental surfaces of said U-shaped member to prevent the rotation of said members along the axes of said securing portions.

2,578,398

APPARATUS FOR MEASURING GAS VELOCITY IN FLAMES

Francis P. Bundy, Alplaus, and Herbert M. Strong, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application February 15, 1950, Serial No. 144,317
2 Claims. (Cl. 88—14)



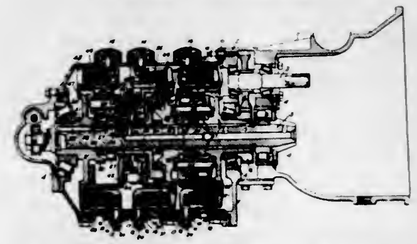
1. In apparatus for measuring gas velocity in flames, the combination of a periscope positioned so that an extension of its axis passes through the region in which gas velocity is to be measured and is perpendicular to the mean direction of gas velocity, said periscope having a head which is rotatable about the periscope axis, an electrically operated latch for holding said head in a first position, spring means for rotating said head to a second position when said latch is released, an extension arm attached to said head and rotatable therewith, and a mirror attached to the outer end of said extension arm and positioned to reflect into said periscope light emitted by the flame perpendicular to the axis of said periscope, so that light emitted at different angles to the direction of gas velocity is reflected into the periscope at the respective positions of said head.

2,578,399

ELECTROMAGNETIC CHANGE-SPEED MECHANISM FOR AUTOMOTIVE VEHICLES

Henri Joseph Georges Chatelet, Puteaux, and Henri Michellet, Paris, France

Application December 8, 1949, Serial No. 131,714
In France September 6, 1949
2 Claims. (Cl. 74—765)



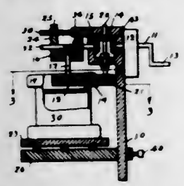
1. An electro-magnetic change-speed mechanism comprising a casing, a driving shaft, a primary spur wheel fast with the driving shaft, a driven shaft, a secondary spur wheel idle upon said driven shaft and constantly meshing with said primary wheel, a primary plate operatively connected to said secondary wheel, an electromagnet for the reverse drive carried by said casing, a secondary revoluble plate of annular shape arranged in front of said reverse drive electromagnet, friction cones on the primary and secondary plates respectively and constituting a friction clutch, an elastic member normally urging said friction cones together, a cage angularly movable with the secondary plate, this secondary plate being axially slidable upon said cage, spur teeth on said primary plate for the reverse drive, a primary second speed plate, spur teeth on the last-cited plate, pinions revolubly carried by said reverse drive cage and constantly meshing together and with the teeth of the primary reverse drive plate and of the primary second speed plate, a second speed electro-magnet, a secondary plate for the second speed slidably supported in front of the electro-magnet, male and female cones on the primary and secondary plates for the second speed, an elastic member normally to urge said cones together, teeth on said two plates disposed at an angle to the axis of the plates, a planet gear carrier for the second speed, planet gears having teeth disposed at an angle to the axis of the planet gears and constantly meshing with the plate teeth, the inclination of said teeth normally urging the friction cones together, a pinion mounted on the planet gear carrier for the second speed, an electro-magnet for the third speed, a primary magnetic plate for the third speed, the last-named plate being axially disposed in front of the corresponding electro-magnet, a

planet gear carrier for the third speed operatively connected to this primary plate, a secondary third speed plate fast with the driven shaft, friction cones on said third speed primary and secondary plates, a pinion carried by said secondary third speed plate, and planet gears having two sets of teeth of different pitch diameter supported by the third speed carrier and constantly meshing with the secondary third speed plate pinion and with the pinion on the second speed plate, the teeth of said pinions and of the planet gears being arranged to apply the corresponding friction cones against each other so that the first speed is obtained by energizing the second speed and the third speed electro-magnets, while direct drive is obtained by deenergizing said electro-magnets.

2,578,400
METHOD FOR PROVIDING OXIDE COATING ON ALUMINUM AND ITS ALLOYS
Charles C. Cohn, Elkins Park, Pa.
No Drawing. Application March 29, 1947, Serial No. 738,220
2 Claims. (Cl. 204—38)

1. The method of treating aluminum comprising essentially the steps of successively forming anodically thereon a relatively pervious aluminum oxide coating and then anodically, in an electrolyte containing a substantial quantity of anions of chromic acid and substantially free of free sulphuric acid, a relatively impervious aluminum oxide coating underlying the relatively pervious coating.

2,578,401
CAN OPENER
Joseph C. Cunningham, Baltimore, Md.
Application February 27, 1947, Serial No. 731,185
2 Claims. (Cl. 30—3)



1. A can opener comprising a frame, a bracket adjustably mounted on said frame, means for rotatably supporting a container on said bracket, said container having a flanged closure, gearing carried by said frame, an abrading element driven by said gearing, said element being in contact with one side of the flanged closure, a knurled element also driven by said gearing, said knurled element being in contact with the opposite side of the flanged closure, and adjustable means for said knurled element to allow for the thickness of the flange closure.

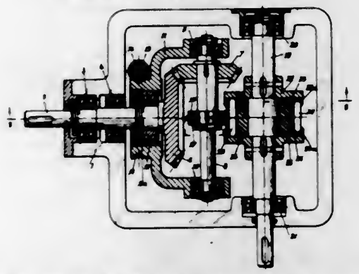
2,578,402
SPRAY GUN
William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application December 3, 1947, Serial No. 789,482
2 Claims. (Cl. 299—141)

1. In a spraying appliance of the class described which includes a body having a forwardly opening air passage, a needle valve arranged for controlling said air opening passage, a port for discharging spraying material, a needle valve arranged for controlling the opening of said discharge port, means for adjusting each of said needle valves, the improvement which comprises a locking means for said needle valve adjusting means, said locking means consisting of a pair of



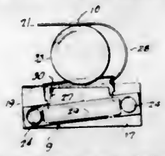
cylindrical shaped members for engagement over the ends of said needle valve adjusting means, said locking means comprising a unitary structure detachably mounted on the body of said spraying appliance by a transverse clamping screw.

2,578,403
VARIABLE-SPEED TRANSMISSION MECHANISM
Luigi Danelon, Aosta, Italy
Application November 8, 1949, Serial No. 126,224
In Italy November 10, 1948
7 Claims. (Cl. 74—325)



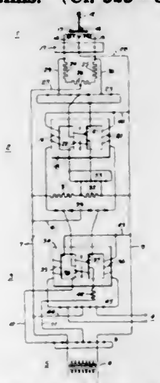
1. In a variable speed transmission mechanism, in combination, a first shaft, a second shaft, one of said shafts being a driving shaft and the other of said shafts being a driven shaft, a third shaft arranged to be driven by said first shaft, said second shaft and said third shaft being disposed in parallel planes, a cog wheel mounted on said third shaft, said cog wheel having peripherally-spaced radial pins, a compound wheel disposed in meshing engagement with the pins of said cog wheel, said compound wheel comprising two spaced flanges mounted upon said second shaft and a plurality of laminae disposed in an annular row between said flanges, said laminae being engageable by the said pins of the cog wheel, resilient means urging said laminae radially outwardly but permitting radially inward displacement by said pins, means for rotating said third shaft about a transverse axis whereby to displace the radial plane of said cog wheel relative to said compound wheel for varying the speed transmission ratio between said first and said second shafts.

2,578,404
DEVICE FOR CUTTING BOTTLE SEALS
Charles F. Dimitruk, Ansonia, Conn.
Application May 19, 1949, Serial No. 94,239
6 Claims. (Cl. 30—2)



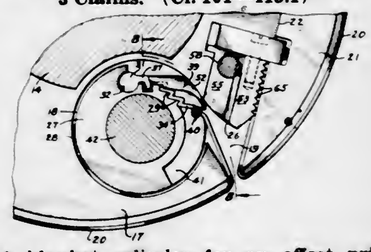
1. A bottle seal cutter comprising a bottle neck holding portion comprising laterally spaced side members disconnected at one end and connected by a curved portion at the other end whereby the neck of a bottle may fit within said curved portion, said bottle neck holding portion being connected with a blade holder adjacent to one of its exterior sides and at approximately right angles thereto, said blade holder being provided with a screw threaded hole near each end at the top thereof, a blade clamp having a hole at each end, said holes being of same center line distance as the screw threaded holes in the blade holder portion so as to align with the threaded holes of the blade holder, and said blade clamp having an elongated rectangular depression between said holes, said blade clamp being also provided with a laterally extended and integrally formed blade cover, a cutter blade rigidly clamped between the blade holder and the blade clamp so that a portion of its cutting edge protrudes over the edge of the blade holder into the space defined by the bottle neck holding portion and provided with a thickened edge portion seated in the depression of the clamp, said blade holder, blade and blade clamp being rigidly connected and held together by a screw at each end engaging the holes of the blade clamp with the screw threaded holes of the blade holder whereby the neck of a bottle may be positioned within the holder, the protruding edge of the blade brought in contact with the seal over the bottle neck and by compressing the device tightly around the bottle neck and rotating it around the bottle thereby cut through the seal.

2,578,405
MAGNETIC AMPLIFIER
Emerson G. Downie, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application February 28, 1950, Serial No. 146,847
2 Claims. (Cl. 323—89)



2. A compensated magnetic amplifier control system comprising, in combination, power supply terminals for connection to a source of alternating voltage having a nominal value which is subject to random uncontrolled fluctuations; first and second stage cascaded magnetic devices each having a saturable magnetic core provided with a controlled winding, a main control winding, and a bias control winding; means including a second stage output rectifier for connecting the controlled winding of said second stage device across said power supply terminals in series with a pair of output terminals for said amplifier; means including a supply rectifier for connecting the bias control winding of the second stage device across said power supply terminals; means including a first stage output rectifier for connecting the controlled winding of the first stage device across said power supply terminals in series with the main control winding of the second stage device; a bridge circuit including a pair of variable reactance main control arms; means for connecting said power supply terminals respectively to input terminals of said bridge circuit; an input rectifier for connecting the main control winding of said first stage device to output terminals of said bridge; a compensating dry type rectifier having a non-linear impedance characteristic at low currents; and means including an impeder for connecting said compensating rectifier in series with the bias control winding of the first stage device across said power supply terminals for compensating the output of said amplifier for said fluctuations in said source of alternating voltage.

2,578,406
BLANKET CLAMP FOR BLANKET CYLINDERS OF PRINTING PRESSES
Orville V. Dutro, La Canada, Calif., assignor to Time, Inc., New York, N. Y., a corporation of New York
Application May 15, 1948, Serial No. 27,208
3 Claims. (Cl. 101—415.1)

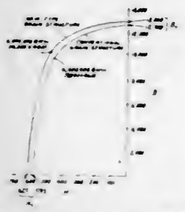


1. A blanket cylinder for an offset printing press comprising a cylinder adapted to be journaled in a press frame, a quoin mechanism in the cylinder for clamping one end of a flexible blanket, said quoin mechanism comprising a blanket gripping plate and wedge means for actuating said gripping plate, a shaft rotatably mounted in the cylinder, means to turn the shaft, means pivoted on the shaft adapted to clamp the other end of a flexible blanket, and a cam surface formed on the quoin mechanism to actuate the pivoted clamp means upon turning the shaft.

2,578,407
METHOD OF MAKING CAST ALNICO MAGNETS
Dolph G. P. Ebeling, Troy, N. Y., assignor to General Electric Company, a corporation of New York
Application January 10, 1948, Serial No. 1,499
4 Claims. (Cl. 148—3)

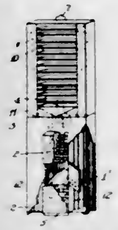
4. The method of manufacturing a magnetically anisotropic cast permanent magnet which comprises forming a melt of a ferrous alloy containing about 16–30% cobalt, 12–20% nickel, 6–11% aluminum and the remainder principally

iron, casting said melt in the form of a body and while preventing to a substantial extent the loss of heat from the sides of the molten body of alloy effecting the solidification thereof by extracting a major portion of the heat of solidification of said alloy from only one end of the cast molten alloy by means of a metal chill in direct contact with said end of the molten alloy, said



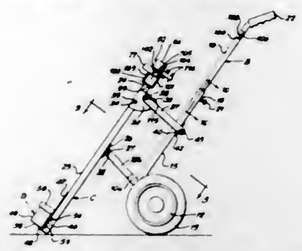
chill having a heat capacity sufficient to maintain a temperature gradient in a direction normal to the surface of said chill thereby to form long columnar crystals during solidification of the alloy with the major axis of the crystals oriented predominantly in said direction and forming at least a major portion of the macrostructure, and heat treating the solid product in a magnetic field with the major axis of the crystals parallel to the direction of magnetization.

2,578,408
HEATING STOVE WITH HOT CUPBOARD
Joel Esselström, Esse, Finland
Application February 18, 1948, Serial No. 9,240
In Finland October 15, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 15, 1960
1 Claim. (Cl. 126—21)



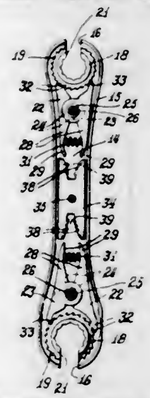
A heating stove providing for circulation of heated air, which comprises a firebox, said firebox being constituted at the top and bottom thereof by a plurality of angularly bent tubes, and being constituted at the sides and back thereof by a plurality of vertically extending tubes, said angularly bent tubes each having a lower inclined portion and an upper portion extending substantially parallel to said vertically extending tubes which form the sides and back of said firebox, a first chamber in said stove, said chamber being in communication with the outside air, said chamber also being in communication with the inlets to said angularly bent tubes at the lower inclined portions thereof, a second chamber at the upper portion of said stove, said second chamber being in communication with the outlet ends of said angularly bent tubes at the terminus of the vertical portions thereof, and also in communication with the outlet ends of said vertically extending tubes, at the upper portions thereof, and a conduit providing communication between said second chamber and said first chamber, the lower ends of said vertically extending tubes being in communication with said conduit, whereby air which enters said first chamber of said stove from the outside is heated in said tubes, rises to said second chamber, and returns to said first chamber through said conduit for further reheating, thus providing efficient circulation of heated air.

2,578,409
BAGLESS GOLF CART
Orville L. Evans and William H. Warth, Rushville, Ind.
Application March 13, 1950, Serial No. 149,306
3 Claims. (Cl. 280—36)



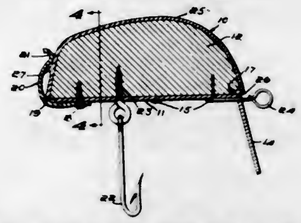
1. An improved bagless golf cart comprising supporting wheels, a yoke mounted on said supporting wheels, a handle pivotally mounted on said yoke, a standard pivotally mounted on said yoke, a box mounted on the lower end of said standard for supporting the hand grip portions of golf clubs, a block mounted on the upper end portion of said standard for removably gripping the shafts of said golf clubs adjacent the heads thereof, means for movably connecting said handle to said standard, said standard comprising two telescopic members for permitting adjustment of said block towards and from said box, and means for securing said members in adjusted position.

2,578,410
OPEN-ENDED RATCHET WRENCH
Willis J. Filiatreault, Chicago, Ill., assignor of one-half to Aaron T. Perbohner, Chicago, Ill.
Application October 29, 1949, Serial No 124,362
2 Claims. (Cl. 81—61)



2. An open-ended ratchet wrench comprising a hollow body having a slotted head portion and a connecting handle portion, a socket member rotatably mounted in the head portion, said socket member having a socket opening and a radial slot extending from its periphery to said socket opening, said radial slot being adapted for alignment with the respective head slot, a peripheral ratchet on said socket member, a pair of pawls in the body to co-act with the ratchet, and a cam member slidable in the handle for engagement with the pawls to disengage both pawls from the ratchet.

2,578,411
FISHING LURE
Donald G. Fisher, Petersham, Mass.
Application February 12, 1945, Serial No. 577,533
4 Claims. (Cl. 43—42.09)



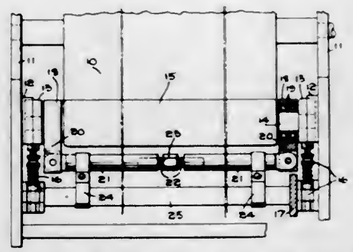
4. A fishing lure comprising a hook carrying body member including line attaching means and having at its bottom edge a shoulder extending laterally from opposite sides thereof, a shell member of such size and shape that it may fit over said body member and engage with said shoulder, and complemental pairs of means at opposite ends of said body member detachably locking said shell member to said body member, one pair of means consisting of a resilient latch on one of said members and a detent surface on the other of said members and the other pair of means consisting of a protruding portion on one of said members and a recess in the other member to receive said portion.

2,578,412
SPRAY GUN FOR COMMINUTED MATERIAL AND ADHESIVE
Emery J. Fisher, Chicago, Ill.
Application January 10, 1950, Serial No. 137,873
2 Claims. (Cl. 91—45)



1. An annular shaped liquid adhesive spray head for combination on a gun for blowing comminuted material onto a wall surface and simultaneously spraying a liquid adhesive onto the blast of comminuted material as it is discharged from the gun, said gun having a central pipe through which the comminuted material is blown and over the discharge end of which said spray head fits and from the rear of which spray head conduit connections extend for separately supplying liquid adhesive and air under pressure thereto, said annular shaped spray head comprising, in combination: a flat annular base section; a flat annular interfitting and matching cover section therefor; and clamping bolts for securing said sections together; said base section having inner and outer annular shaped chambers formed therein which open toward the front side thereof, said inner and outer chambers being separated from each other and in part defined by an intermediate annular partition projecting forwardly from the rear wall of said base section, an inner annular wall projecting forwardly from said rear wall and forming the inner side wall of said inner annular chamber, an outer annular wall projecting forwardly from said rear wall and forming the outer side wall of said outer annular chamber, said rear wall having a pair of circumferentially spaced and diametrically aligned straight adhesive and air admission passageways extending therethrough parallel to the principal axis of said base section, said annular partition having an inwardly protruding bulge therein extending part way into said inner annular chamber, said bulge being in coaxial alignment with one of said inlet passageways whereby that passageway communicates solely with said outer annular chamber, the other of said inlet passageways communicating into said inner annular chamber, said inlet passageways being adapted to be connected with said conduit connections for separately supplying liquid adhesive and air to the respective annular chambers, and a plurality of circumferentially spaced integral bosses protruding from said intermediate annular partition with the faces of said bosses coplanar with the front edge of said annular partition and having holes tapped therein parallel to the principal axis of said base section for receiving said clamping bolts, said cover section comprising an annular member adapted to fit over and mate with said base section so as to close off said inner and outer annular chambers, said annular member having circumferentially spaced nozzle-receiving sockets therein which communicate at their bases with said inner annular chamber, and having individual passageways therein corresponding in number to said sockets and providing communication between said outer annular chamber and each of said sockets intermediate the opposite ends thereof.

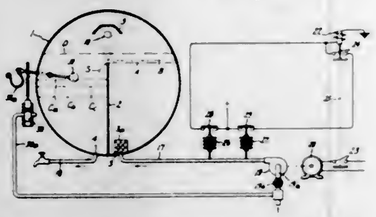
2,578,413
PRESSURE ROLLER BENDING DEVICE FOR DUPLICATING MACHINES
Frank Ronald Ford, Sparkbrook, Birmingham, England
Application May 28, 1949, Serial No. 96,016
In Great Britain June 3, 1948
4 Claims. (Cl. 101—216)



1. In a duplicating machine of the kind specified having a master sheet cylinder and a pressure roller cooperating therewith, the pressure roller having a spindle the ends of which are mounted in bearings disposed in fixed guides and acted upon by spring means in a direction towards the axis of the master cylinder; the combination of a bracket on each end of said spindle, each bracket having an arm extending away from the cylinder a tie-bar connected between the free ends of said arms and means for adjusting the length of the tie-bar between said ends so that bending moment can be applied to the spin-

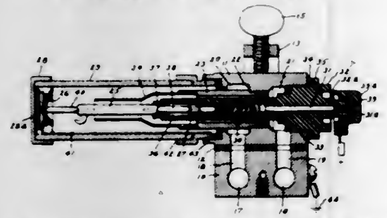
die in the opposite direction to that produced by pressure of the spindle bearings and the reaction from the master sheet cylinder.

2,578,414
LIQUID IRRADIATING APPARATUS
John P. Foulds, Revere, Mass., assignor to General Electric Company, a corporation of New York
Application March 28, 1950, Serial No. 152,470
10 Claims. (Cl. 250—43)



1. In an apparatus for irradiating liquids with germicidal rays, a pressure-tight container having an apertured wall, a substantially vertical partial internal partition within said container, said partition being disposed substantially perpendicular to said wall and constituting a liquid confining dam, a closure member for said apertured wall, and means mounted upon said closure member for supporting within said container and in substantially parallel spaced relation above the upper edge of said dam an elongated source of germicidal rays, said source of rays and said mounting means being adapted for passage through said apertured wall.

2,578,415
LIQUID COOLED LAMP MOUNT HAVING ONE LAMP TERMINAL INSULATED FROM THE COOLING MEDIUM
John S. Franklin, West Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 4, 1948, Serial No. 31,187
5 Claims. (Cl. 240—11.4)

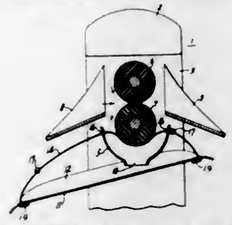


1. In a liquid cooling apparatus for an electric lamp having a tubular envelope and contact terminals at opposite ends thereof, the combination comprising a supporting block having formed therein spaced apart entry and exit passageways for cooling fluid, a transparent tubular jacket having an open end and a closed end, means for removably attaching said jacket to said block at the open end of said jacket with said open end in communication with one of said passageways, an open-ended tubular member mounted upon said block with one end in communication with the other said passageway and the other end protruding into said jacket in concentric relation therewith, a hollow supporting rod of insulating material mounted on said block and extending partially into said tubular member from the mounted end thereof, a lamp socket slidably mounted within said hollow rod, and means for sealing the protruding end of said hollow rod to a tubular lamp envelope having one contact terminal disposed in said socket.

2,578,416
METHODS OF MAKING NEPTUNIUM CHLORIDES
Sherman Fried, Chicago, Ill., and Norman R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application August 11, 1947, Serial No. 768,058
2 Claims. (Cl. 23—14.5)

1. The process for the preparation of neptunium trichloride comprising contacting in the presence of hydrogen neptunium dioxide with a chlorine-containing compound of carbon.

2,578,417
REVERSING FLUME MECHANISM FOR CLOTHES WRINGERS
Samuel I. Gabrielson, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application September 8, 1949, Serial No. 114,515
6 Claims. (Cl. 68—254)

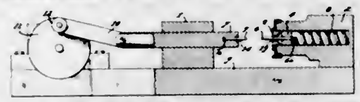


1. In a clothes wringer, a wringer frame, a pressure roll journaled therein, a water collector secured by said frame about and beneath said roll in spaced relation therewith to receive water extracted from the clothes by operation of the pressure roll, said water collector having a water outlet, a flume disposed beneath said outlet to receive water draining therefrom, and flexible support means for suspending said flume from said water collector to permit bodily movement of said flume transversely of said frame while restraining longitudinal movement, said support means being in continuous engagement with said pressure roll to be moved by rotation thereof, and the suspension being such that the change of the center of gravity of the flume relative to the point of suspension causes the flume to tilt in the direction of its movement during such movement.

2,578,418
APPARATUS FOR COATING INDIRECTLY HEATED CATHODES
Arthur William Warwick Gait, Eastcote, and Charles William Tapping, Ewell, England, assignors to The M-O Valve Company Limited
Application August 9, 1947, Serial No. 767,680
In Great Britain March 6, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 6, 1962
8 Claims. (Cl. 91—53)

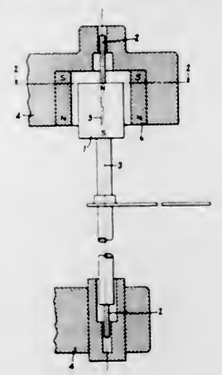
1. Apparatus for removing a portion of the electron emitting coating from the sleeve of a

cathode having open ends, comprising a die having an opening therein of predetermined size, and means for causing said cathode to pass longitudinally through said opening in said die, said means including two coaxially disposed pins hav-



ing a cross sectional area slightly less than a cross section of the interior of said cathode, whereby, said cathode is threadable on said pins, said pins being movable longitudinally with respect to said die, one of said pins extending through said die.

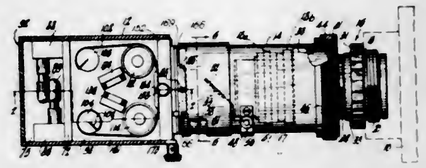
2,578,419
ECCENTRIC MAGNETIC SUSPENSION
William N. Gittings, Oakmont, Pa., assignor to General Electric Company, a corporation of New York
Application April 11, 1950, Serial No. 155,247
3 Claims. (Cl. 175—336)



1. A magnetic device comprising a cylindrical magnetic stator having a concentric cylindrical bore, a cylindrical magnetic rotor movable eccentrically within said bore, said rotor being rotatable about a pivot axis parallel to and spaced from both the axis of configuration of said bore and the axis of configuration of said rotor, said rotor and said stator being axially and oppositely magnetized, whereby the magnetic force between said rotor and said stator combining with the double eccentricity of said pivot axis from said rotor and stator configuration axes provides a restoring torque to bias said rotor towards a position of minimum reluctance between said rotor and said stator in which said rotor and said stator are substantially in a position of maximum eccentricity.

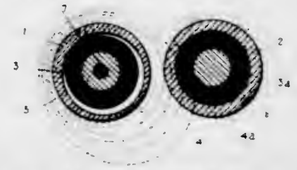
2,578,420
CAMERA ATTACHMENT FOR HOLDING AN ILLUMINATED TRANSPARENCY IN FRONT OF THE CAMERA LENS
Elmer D. Goodale, New Rochelle, and Clarkson U. Bundick, Scarsdale, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application April 15, 1949, Serial No. 87,604
5 Claims. (Cl. 88—16)

1. An attachment for a camera, said attachment comprising, means to receive a camera lens assembly, said means having means thereon to be removably received by the lens holding connection of a camera in aligned relationship with the light receiving parts of the camera, an illumination box having means for attachment to said first named means, a source of illumination in said box, means to support a transparency before



said illumination source, a member having an aperture positioned in the light path to said lens, means to adjust the position of said member with respect to said transparency supporting means, a transparency viewing aperture in said first named means, and means for providing for visual inspection of a transparency through said transparency viewing aperture.

2,578,421
INDUCTANCE DEVICE
Jacques Gourevitch, Sevres, France, assignor to Wilhelm Franzos, Paris, France
Application December 30, 1947, Serial No. 794,669
In France June 13, 1947
9 Claims. (Cl. 171—119)

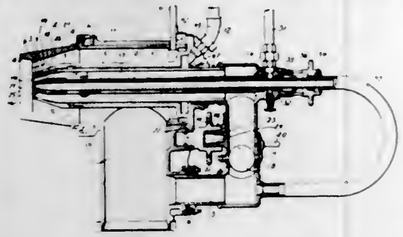


1. In a variable mutual inductance comprising at least two magnetic circuits constituted each by a magnetic core, a winding around said core and a magnetic element surrounding said core and winding, said circuits being coupled by their leakage fluxes, a magnetic circuit of said type in which said magnetic element has an asymmetric shape in a plane perpendicular to the axis of the circuit to provide an asymmetric external magnetic field, and means for changing the angular position of said circuit about its axis so as to modify the coupling coefficient between the circuits of said mutual inductance by the modification of the orientation of the leakage flux of the circuit comprising the asymmetric shaped magnetic element.

2,578,422
BURNER FOR LIQUID FUEL OPERATING UNDER LOW AIR AND FUEL PRESSURES
Etienne Jean François Guillot, Rives, France
Application October 21, 1947, Serial No. 781,058
In France October 22, 1946
6 Claims. (Cl. 158—76)

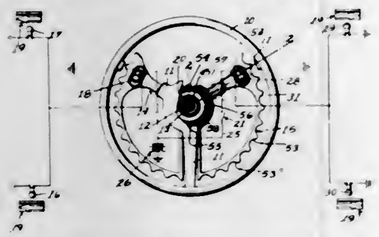
1. In a burner for heavy liquid fuel, the combination of two primary nozzles having an unbroken wall and including frusto-conical ends opening coaxially in a same terminal plane perpendicular to their common axis, a hollow secondary nozzle having an unbroken wall and arranged coaxially inside each of the first mentioned primary nozzles, defining with the corre-

sponding primary nozzle an annular gap and opening in the plane of the opening in the corresponding primary nozzle, the inner primary nozzle lying inside the outer secondary nozzle and defining an annular space therewith, independent means for feeding heavy liquid fuel at low pressure into the annular gap separating each primary nozzle from the associated secondary nozzle inside same, means for feeding air under low pressure into the secondary nozzle located inside the inner primary nozzle, into the annular space defined between the outside of the last



mentioned inner primary nozzle and the inside of the secondary nozzle associated with the outer primary nozzle and further over the outer wall of the last mentioned outer primary nozzle, and means for adjusting the relative output of the different jets of air under low pressure, fed through the innermost secondary nozzle, the space above mentioned and over the outer wall of the outer primary nozzle, deflecting means on the outer surface of the outlet ends of the two primary nozzles adapted to impart an angular movement of the air passing over the primary nozzle ends.

2,578,423
DIRECTIONAL SIGNAL SWITCH ASSEMBLY FOR VEHICLES
John W. Harstine, Dover, Ohio
Application December 7, 1948, Serial No. 63,907
3 Claims. (Cl. 200—59)



1. In an electrical system for motor vehicles, including the steering post of the vehicle and the casing enclosing the post, a housing fixedly mounted on each of the right and left hand sides of said casing and having horizontally disposed slots in its side walls aligned with each other and with a like slot in said casing, a hollow arm mounted for limited turning movements on said housing, a normally open circuit controlling switch mounted within said housing and in electrical connection with the electrical energy source of the vehicle, a pilot lamp mounted in the outer end of said arm and in electrical connection with said switch and a circuit, means for closing said switch on said energy source, said pilot lamp and said circuit, when said arm is turned in one direction, said switch remaining closed when said arm is returned to its initial position, a cam element mounted on said steering post in line with the said slots, and a member extending from said switch through the said slots into the path of movement of said cam to affect the opening of said switch, when the steering post is turned to change the direction of travel of the vehicle.

2,578,424
FISHHOOK HOLDER
Parker E. Hart, New York, N. Y.
Application May 7, 1947, Serial No. 746,577
1 Claim. (Cl. 43—57.5)



A fish hook holder comprising a holder piece of rigid material and having side edges, the holder piece having means by which hooks can be fastened to it and their snells secured at their ends removed from the hooks, a casing of tubular stock having rounded internal side faces adapted to receive the side edges of the holder piece whereby to retain the holder piece within the casing and to guide its movement through the casing, said casing having opposing top and bottom internal faces, and means secured to the holder piece and extending between the holder piece and the interior of the casing to slightly expand the top and bottom internal faces to retain the holder piece therewithin against axial adjustment, said means for retaining the holder piece against axial adjustment within the casing comprising a disc secured to the holder piece to extend from opposite sides thereof and adapted to have its opposite side edges engage respectively with said opposite top and bottom faces of the casing, said holder piece having an elongated slot, said disc having diametrically opposite notches adapted to receive upon application of slight pressure portions of the holder piece defining the elongated slot whereby the disc may be retained on the holder piece.

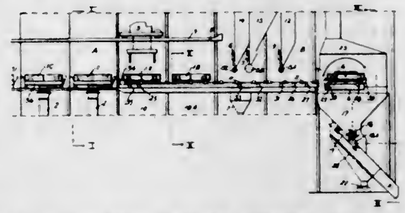
2,578,425
EVAPORATIVE MARKING COMPOSITION
Murray Hershkowitz, Brooklyn, N. Y.
No Drawing. Application May 26, 1948, Serial No. 29,419
3 Claims. (Cl. 106—19)

1. A tailor's marking composition comprising an opaque solid body obtained by fusing together a mixture of aromatic compounds consisting of 84.5–90% salicylic acid, about 10% benzoic acid, 0–5% phthalic anhydride and 0–0.5% perfume oil, said body being characterized as subject to slow sublimation under atmospheric conditions, whereby a mark produced therewith will evaporate and disappear in a period of about two to five days under atmospheric conditions.

2,578,426
SINTERING ORES AND THE LIKE
Anders Holmberg, Stockholm, Sweden
Application January 4, 1949, Serial No. 69,109
3 Claims. (Cl. 266—20)

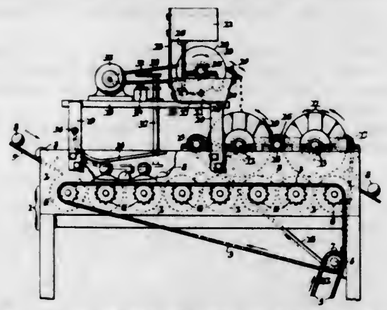
1. In sintering apparatus for sintering materials and for discharging the resulting sintered

products, in combination: a plurality of portable sintering pans, said pans being stationary during sintering operations in a plurality of work positions, a roller table on which said pans are adapted to travel, said roller table being provided with automatic starting means, a plurality of suction pipes extending from said work positions, a pan tipping device for tipping said pans and discharging sintered material therefrom, a dust hood on said pan tipping device, said dust hood being provided with an opening therein to permit the passage of a sintering pan, and with means for automatically closing said opening after passage of said sintering pan therethrough, a crusher positioned adjacent said pan tipping device, said crusher being provided with crusher



discs having teeth movable between parallel bars for crushing the sintered material, a travelling crane adapted to transport a pan containing sintered material from a work position to said roller table, said pan being then conveyed thereon to said pan tipping device, means for automatically discharging said sintered material from said pan at said pan tipping device, means for automatically returning said pan from which said sintered material has been discharged to one part of said roller table, means for automatically charging said returned pan with material to be sintered, and means for automatically returning said charged pan to another part of said roller table, whereby said charged pan may be transported by said travelling crane to a work position.

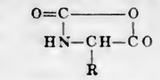
2,578,427
APPARATUS FOR THE LIQUID TREATMENT OF FRUITS AND VEGETABLES
James F. Hussey, Orlando, Fla., and Bayard S. Johnson, Merwood Park, Pa., assignors to Franklin Research Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 30, 1948, Serial No. 17,954
7 Claims. (Cl. 91—39)



1. Fruit and vegetable treating apparatus comprising, in combination, a table, means for advancing objects to be treated across said table, liquid supply means, a cylinder rotatably mounted and extending into said liquid supply means, variable drive means including an electric motor constructed and arranged for rotating said cylinder, electric control means in circuit with said motor constructed and arranged to vary its speed of rotation, a plurality of movable arms positioned in the normal path of advancement of said objects for contact therewith and constructed and arranged to undergo a change of position when contacted by the advancing objects, means responsive to said changes in position of said arms for actuating said electric control means, a scraper bar engaging said cylinder at the periphery thereof, and means constructed and arranged for delivering liquid from said scraper bar to the advancing objects.

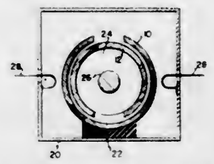
2,578,428
PROCESS OF PRODUCING COPOLYMERS BY REACTING AN N-CARBOXYL ANHYDRIDE OF AN ALPHA AMINO ACID WITH AN OMEGA AMINO ACID
Efraim Kaczalski, Brooklyn, N. Y., assignor to Joseph Blumenfeld, New York, N. Y.
No Drawing. Application April 17, 1948, Serial No. 21,747
3 Claims. (Cl. 260—77.5)

1. The process which comprises mixing an N-carboxyl anhydride having the formula



in which R is selected from the group consisting of hydrogen and a radical which remains inert during the copolymerizing reaction with an amino acid having the formula $H_2N(CH_2)_xCOOH$ in which X is equal to at least 5, maintaining the mixture at a temperature just above the melting point of the higher melting of the two reactants until a copolymer is produced and isolating the copolymer.

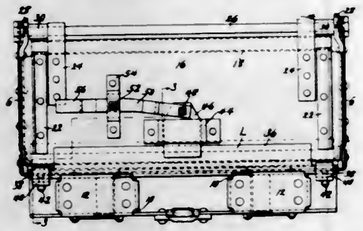
2,578,429
ULTRAHIGH-FREQUENCY TUNING APPARATUS
Eduard Karplus, Belmont, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application December 19, 1945, Serial No. 636,027
8 Claims. (Cl. 250—16)



1. A tuning unit for ultra-high frequencies comprising two substantially coaxial metal cylinders, each having a slot extending in a generally axial direction throughout the length of the cylinder and having its edges opposed across a narrow gap, each cylinder having high resonant impedance across said gap, the potential at or near the resonant frequency varying circumferentially around each cylinder from one edge of the gap to the other, and means for mounting the cylinders coaxially for rotation of one relative to the other but insulated from each other, the inductance of the unit being substantially constant for all positions and the effective capacitance of the unit being variable from a minimum when the slots of the two cylinders are sub-

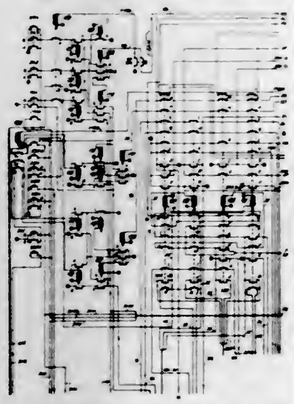
stantially aligned with each other to a maximum upon relative rotation, whereby the resonant frequency may be varied.

2,578,430
LATCH FOR END DUMP MINE CARS
Robert C. Kepner, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 13, 1946, Serial No. 654,140
6 Claims. (Cl. 105—308)



1. A mine car having side walls, a floor, a bumper extending outwardly beyond an end of the floor, an end door pivotally mounted adjacent its upper edge on the side walls and substantially closing the space between said floor and side walls, a latch plate extending substantially from side wall to side wall of the car and pivotally mounted adjacent an end of the floor in position to overlap the lower portion only of said end door, said latch plate being adapted to fold outwardly and downwardly to release the door for opening and to form a floor extension directing lading over the inner edge at least of the bumper, and lock means engaging the upper portion of said latch plate to hold the same in a substantially vertical position overlapping the lower edge of said end door to thereby hold the end door closed and seal the joint between the end door and floor, said lock means being mounted wholly upon said end door and movable therewith.

2,578,431
VERTICAL LIFT CONTROL SYSTEM
Le Roy H. Kiesling, Bay Shore, N. Y.
Application August 30, 1950, Serial No. 182,379
29 Claims. (Cl. 187—29)



29. A control system for a vertical lift apparatus of the type including a hatchway extending between an upper terminal station and a lower terminal station with at least one intermediate station and with a car guided in said hatchway and motor propelled for upward and downward movement therein, the control system comprising: switch means at a first station for signalling the car to be made available thereat and to make a trip therefrom to a predetermined station of destination, a first relay for holding calls to said first station, a second relay for holding calls for trips to said station of destination in the direction from said first station thereto, a third relay, means responsive to momentary actuation of said switch means at said first station for establishing a holding circuit in said first relay and for establishing a holding circuit in said third relay, means responsive to said holding circuit in said first relay for propulsion of said car to said first station, means responsive to arrival of said car at said first station for energizing said second relay through said third relay and establishing a holding circuit in said second relay, means responsive to arrival of said car at said first station for opening the holding circuits in said first and third relays and stopping the car at said first station, means for blocking propulsion of said car from said first station for a predetermined time after the stop thereat, and means responsive to the holding circuit in said second relay for propulsion of said car to said station of destination after the expiration of said predetermined time.

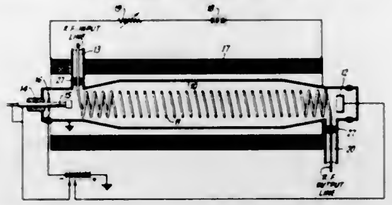
2,578,432
PROCESS FOR PRODUCING APPARENT SOLIDIFICATION OF LIQUID HYDROCARBONS
Jean Pathus Labour, Washington, D. C., assignor to Gasoline Research Industrial & Commercial Company, Inc., Panama, Panama, a company of Panama
No Drawing. Application February 28, 1948, Serial No. 12,153. In France June 27, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 27, 1959
7 Claims. (Cl. 44—7)

1. The process of producing apparent solidification of liquid hydrocarbons which comprises forming an aqueous emulsion of said hydrocarbons and methyl cellulose insoluble in water but alkali soluble (special "Tylose") and subsequently causing said emulsion to assume a solid form by bringing said emulsion into association with sulfuric acid.

2,578,433
PROCESS FOR PRODUCING APPARENT SOLIDIFICATION OF LIQUID HYDROCARBONS
Jean Pathus Labour, Washington, D. C., assignor to Gasoline Research Industrial & Commercial Company, Inc., Panama, Panama, a company of Panama
No Drawing. Application February 28, 1948, Serial No. 12,154. In France June 27, 1939
13 Claims. (Cl. 44—7)

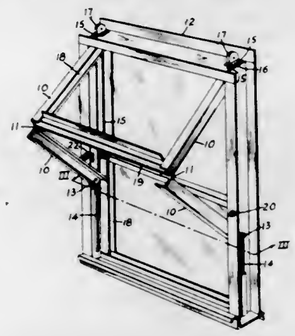
1. The process of producing apparent solidification of liquid hydrocarbons which comprises treating at least one suitable plant substance selected from the group consisting of leguminous plants and plants in the Phaeophyceae group with an excess of at least one alkali selected from the group made up of sodium hydroxide and magnesium oxide in the form of milk, forming an emulsion of said plant substances, said alkali, said hydrocarbons and methyl cellulose insoluble in water but alkali-soluble and causing said emulsion to assume a solid form by bringing said emulsion into association with at least one reagent selected from the group made up of sulfuric acid and the neutral salts of copper, lead, iron and manganese.

2,578,434
HIGH-FREQUENCY ELECTRON DISCHARGE DEVICE OF THE TRAVELING WAVE TYPE
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1947, Serial No. 756,851
17 Claims. (Cl. 315—39)



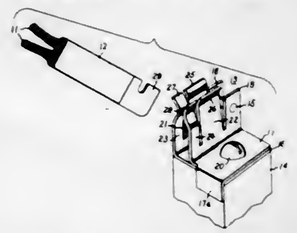
1. An electric tube comprising a helical conductor through the interior of which a stream of charged particles is adapted to pass, a hollow cylindrical element having a metallic surface surrounding said helical conductor over substantially the entire length thereof and spaced therefrom, the diameter of said element measured between oppositely disposed points on said surface increasing from a terminal of said helical conductor to a point intermediate the ends of said helical conductor, to thereby gradually change the characteristic impedance of said helical conductor, and means for coupling said terminal to a radio frequency circuit.

2,578,435
WINDOW CONSTRUCTION
Allan G. Lorimer, Douglaston, N. Y.
Application October 9, 1946, Serial No. 702,133
5 Claims. (Cl. 20—42)



1. Window construction comprising a pair of channeled lateral window-frame members pivotally secured at their upper ends to the window frame, each of said members being divided into two approximately equal lengths hinged together at the joint between them, a sash vertically slidable within the channels in said members, a loop of cord passing under the sash and along its sides within said channels and serving as substantially the sole means for supporting the sash, and rollers fixed above the sash over which each end of the loop passes.

2,578,436
ELECTRICAL CONNECTOR
Richard T. Lundy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 17, 1949, Serial No. 77,019
3 Claims. (Cl. 173—269)



1. A connector for a contact brush including a terminal for a fixed member comprising two base plates adapted to be superposed one above the other on said fixed member, means for securing said base plates to said fixed member, spring contact means formed integral with each of said base plates and arranged in spaced relation above said fixed member to form a plurality of flexible spring-retaining clips and a plurality of flexible spring contact clips, a locking pin mounted in spaced relation to said fixed member and extending between projections on each of said base plates, a flexible connector lead having a connector lead terminal provided with a rigid shank portion adapted to be clamped between said flexible contact clips and between said spring retaining clips, said retaining clips having end portions tapered toward each other and adapted to engage from opposite sides the upper surface of said shank portion in said clamped position, and a hooked end on said lead terminal adapted to be hooked around said locking pin.

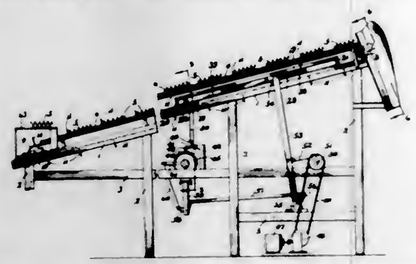
2,578,437
THERMAL PROCESSING OF FOOD PRODUCTS
Charles F. Martin and Virgil O. Wodicka, Chicago, Ill., assignors to Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine
No Drawing. Application March 10, 1950, Serial No. 149,035
7 Claims. (Cl. 99—214)

1. The process for thermal treatment of foods of heavy consistency in sealed containers which comprises heating the containers by steam under pressure until the containers and outer portions of the food have reached the desired treatment temperature, holding the containers under pressure without additional application of heat while the heat absorbed by the container and outer portion of the contents penetrates to the center contents and produces the desired sterilizing values, and thereafter cooling the containers and contents under pressure.

2,578,438
SPRING SELECTING AND FEEDING MACHINE
William K. McInerney and James M. McInerney, Grand Rapids, Mich.
Application July 5, 1949, Serial No. 103,152
15 Claims. (Cl. 198—75)

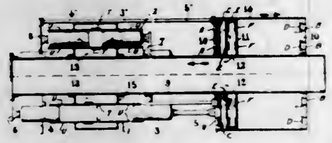
1. In a machine as described, a plurality of elongated ways having upwardly diverging sides and each longitudinally slotted for its length at its lower portion, means for carrying and sup-

porting said ways, an endless chain located underneath the slot of each way, spring pusher members connected to each of said chains at spaced intervals in the lengths thereof extending outwardly from the chains, the pusher members of the upper runs of said chains extending through the slots of associated ways, a frame mounted underneath the ways and between the upper and lower runs of the chains, means for mounting said frame for reciprocatory movements back and forth underneath the upper runs



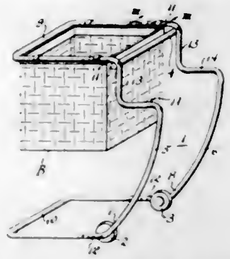
of said chains, movable fingers pivotally mounted on said frame, one for each chain, adapted in one position to engage with respective chains, means for moving selected fingers into such position with said frame substantially at one extreme of its reciprocatory movement whereby on moving the frame in the opposite direction, the fingers engaging said chains move the chains, and means for releasing said fingers from selected chains at substantially the opposite extreme of movement of said frame.

2,578,439
BALANCED DOUBLE-ACTING ENGINE
Ernest Frédéric Mercier and Pierre Ernest Mercier, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia
Application August 6, 1947, Serial No. 766,672
In France November 23, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires November 23, 1960
27 Claims. (Cl. 230—56)



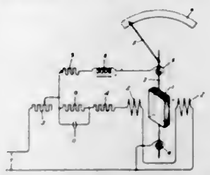
1. A fluid pressure machine of the reciprocating type comprising a plurality of sets of cylinders, each set having a plurality of cylinders distributed about and spaced from a common axis with the axes of the cylinders extending in the same general direction as the common axis, each cylinder having a piston operable therein in reciprocating relation thereto, the piston in a given cylinder of each set with respect to a piston in a cylinder of another set being offset both in said general direction and transversely of said general direction, and means connecting the piston of said given cylinder of each set to said piston of said cylinder of said other set which is offset with respect thereto to form groups of pistons, said pistons of each group move concomitantly respectively to decrease and increase the volume in said given cylinders while increasing and decreasing the volume in said other cylinders respectively.

2,578,440
UTILITY CART
Alvin F. Meyer, Cincinnati, Ohio
Application May 23, 1950, Serial No. 163,632
1 Claim. (Cl. 280—5.24)



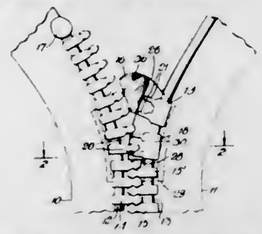
A utility cart comprising a frame, said frame including a pair of spaced parallel side members, at least a portion of each side member being convex downwardly and rearwardly and of such length that when the cart is pulled rearwardly up a stair, the convex portions slide on the outermost edges of the treads of the stair without bumping, the convex portions being adapted to span the edges of adjacent treads, upper and lower ends of said side members being turned forwardly and parallel to each other, an upper U-shaped member extending forwardly of and connecting the upper ends of the side members, and a lower U-shaped member parallel to the upper U-shaped member and connecting the lower ends of the side members and extending forwardly thereof beneath the upper U-shaped member, means for hanging a container from the upper U-shaped member, means on the lower ends of the side members extending below the plane of the lower U-shaped member, the cart being adapted to stand on said means and on the cross bar portion of the lower U-shaped member with the upper U-shaped member spaced from and directly above the lower U-shaped member, and a rigid handle attached to and extending between upper ends of the side members, said handle holding the side members in spaced relation.

2,578,441
EXPANDED SCALE VOLTMETER
Norval P. Millar, Danvers, Mass., assignor to General Electric Company, a corporation of New York
Application January 20, 1950, Serial No. 139,695
3 Claims. (Cl. 171—95)



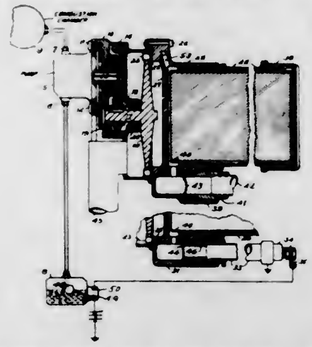
2. A natural zero expanded scale alternating current voltmeter comprising a measuring instrument of the electrodynamic type having stationary field and moving armature coil energizing windings, circuits for energizing said windings connected in parallel from the voltage to be measured, an iron core saturable reactor designed to become saturated over that range of voltage where scale expansion is desired in series with the armature circuit, and an adjusting resistance in series relation with said parallel circuits.

2,578,442
QUICK EXIT SEPARABLE FASTENER
Louis H. Morin, Bronx, N. Y.
Application February 18, 1946, Serial No. 648,473
10 Claims. (Cl. 24—205.11)



1. A quick separable fastener comprising a pair of stringers, scoops on adjacent beaded edges of the stringers for coupling and uncoupling the same, the scoops of one stringer being greater in number, at one end, than the scoops of the companion stringer, said companion stringer at the corresponding end thereof having a stop element, said element having a pair of fingers adapted to be arranged between scoops of the first mentioned stringer, a slider for coupling and uncoupling said stringers, part of one side of the slider being recessed, a stop shoulder at one end of the recess, and said element having a yieldable nubbin normally engaging the shoulder of the slider in checking closing movement of the slider on said stringers and over which the shouldered portion of the slider is adapted to be forceably drawn in freeing the second stringer from the slider for quick separation from the first stringer.

2,578,443
PRESSURE GAS GENERATION CONTROL
Romeo Morton Nardone, Teaneck, N. J., assignor to Joseph J. Mascuch, Maplewood, N. J.
Application February 10, 1948, Serial No. 7,472
2 Claims. (Cl. 60—39.1)



1. A pressure gas generation system comprising a main gas generating unit, a normal outlet port for feeding gas from said main unit to a part to be rotated, an emergency exhaust conduit, a rupturable disc normally sealing said emergency exhaust conduit, and means for boosting the pressure beyond that normally prevailing in said main unit, said pressure boosting means including an auxiliary gas generating unit adjacent said emergency exhaust conduit, and a second rupturable disc normally preventing communication between said two gas generators.

2,578,444
MULTICAPSULE SHEET
Charles Nicolle, Gentilly, France
Application October 29, 1945, Serial No. 625,392
In France October 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1963
5 Claims. (Cl. 206—56)



1. A multiple package, comprising two sheets of moldable plastic material, at least one of which has a plurality of preformed molded spaced article-receiving recesses separated and surrounded by plane portions, articles in said recesses, said sheets being bonded together substantially throughout said plane portions so that the other sheet covers said recesses, said recesses being arranged in a plurality of rows so that said package has a tendency to bend along lines extending through said plane portions parallel to the rows, at least one of said sheets having preformed hollow stiffening ribs molded therein and extending transversely across all of said rows, said ribs being effective to resist said bending tendency.

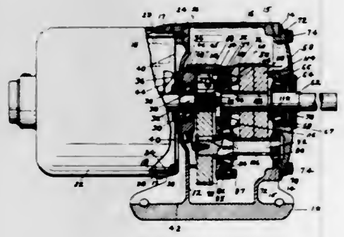
2,578,445
PACKING MADE OF PLASTIC MATERIAL CHIEFLY FOR PHARMACEUTICAL TUBES
Charles Nicolle, Gentilly, France
Application May 9, 1946, Serial No. 668,561
In France February 19, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 19, 1965
9 Claims. (Cl. 206—56)



1. A packing for ampoules and similar elongated containers having tubular body portions and tapered neck portions connecting said body portions to relatively slender, substantially cylindrical tip portions, comprising a tray formed with elongated depressions for receiving one longitudinal half of each of said containers, with the other longitudinal half of each container projecting above said tray, each said depression being shaped to engage the container snugly substantially throughout the surfaces of one longitudinal half of said neck portion and of said body portion, while leaving most of the tip portion free of such engagement, so as to hold said container firmly against lateral and endwise movements while permitting free access to said tip portion so

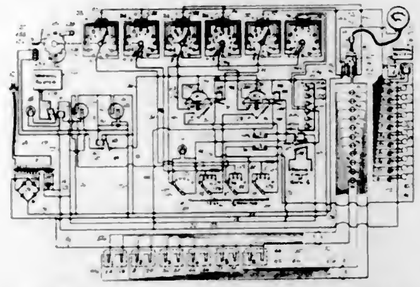
that it may be used as a lever to lift the container out of the depression, said tray being provided with weakened portions adjacent the ends of the depressions, so that the portions of the tray conforming to the container neck portions may be flexed downwardly out of alignment with the depressions to permit the insertion of containers in said depressions or their withdrawal therefrom by movement of the containers lengthwise of the depressions.

2,578,446
GEARED ELECTRIC MOTOR
Clarence O'Daniel, Richmond Heights, Mo., assignor to Century Electric Company, a corporation of Missouri
Application October 2, 1946, Serial No. 700,765
5 Claims. (Cl. 74—421.5)



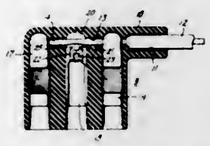
2. In a dynamoelectric machine having a rotor shaft and end bracket including a housing with a circular supporting surface at each end thereof, a bearing hub in said housing which has an inner supporting surface and an outer supporting surface, each of said supporting surfaces on said bearing hub being continuously machined surfaces, a bearing within said inner supporting surface on said bearing hub, said bearing supporting one end of the rotor shaft of said dynamoelectric machine, said one end of said shaft extending through and projecting beyond said bearing and bearing hub, and having a gear thereon, said gear being immediately adjacent said bearing, each of said four surfaces being on a common axis, an intermediate bracket for rotative equipment that has two circular surfaces that are coaxial, one of said circular surfaces at one end of the intermediate bracket engaging and being supported by said outer supporting surface of said bearing hub, a separate gear supporting bracket connected to said intermediate bracket and having a circular surface thereon to engage the other circular surface on the intermediate bracket to support the other end thereof, the circular surface of the intermediate bracket that engages and is supported by said outer supporting surface on said bearing hub being a continuously machined surface, other supporting surfaces on said gear supporting bracket having their axes parallel with said first supporting surface on said gear supporting bracket, and rotative equipment including shafting rotatably supported in parallel relation by said supporting surfaces on said gear supporting bracket, said shafts of said rotative equipment having two points of support per shaft, the supports for each shaft of said rotative equipment being in one casting.

2,578,447
CONDITION-RESPONSIVE SYSTEM
Carl H. Odell, Morristown, and Raymond B. Lewthwaite, River Edge, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 4, 1948, Serial No. 31,036
9 Claims. (Cl. 177—311)



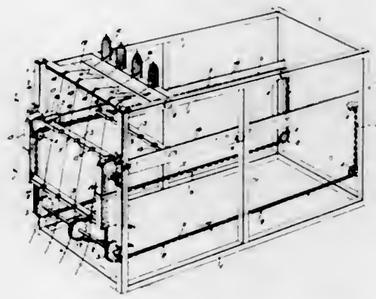
1. In an electrical system of the character described: the combination of an electrical bridge; means for supplying current to said bridge; a plurality of condition-responsive impedances respectively adapted to constitute an arm of said bridge; means adapted to respond when said bridge is in a predetermined condition of unbalance; a sequence switch having successive positions for connecting said impedances successively into said bridge, said bridge being so arranged that it is in said predetermined condition of unbalance when the impedance connected thereto is at a selected threshold value; motor means for advancing said switch; and means timed with said motor means and connected to said current-supplying means for intermittently interrupting said current-supplying means to cause said electrical bridge to be deenergized during successive intervals while said switch is being advanced from one position to the next.

2,578,448
TERMINAL SOCKET ELECTRICAL CONNECTOR
Jerome H. Odenheimer, Havertown, Pa., assignor to General Electric Company, a corporation of New York
Application June 3, 1948, Serial No. 30,813
3 Claims. (Cl. 173—324)



1. An electrical connector having in combination, a casing of molded insulating material having a lateral handle extension provided with a tunnel extending centrally therethrough for telescoping an insulated electrical conductor inside the lateral handle extension and having a smaller tunnel extension in alignment in the casing for telescoping the bare straight end of the conductor, a metal socket contact insert embedded in said casing and having a closed end provided with a transverse tunnel registering with said smaller tunnel extension to jointly telescope the bare straight end of the conductor and with a threaded opening communicating between the interior of the socket and the transverse tunnel, and a spherical cup end screw threaded into said opening and having a contact ball in the spherical cup end thereof having a smaller diameter than both the cup and the conductor for non-rotative gripping engagement with the bare straight telescoping end of the conductor to clamp the conductor in the transverse tunnel.

2,578,449
WICK HOLDER LOADING MACHINE
Ernest F. Pinney, Glen Cove, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1948, Serial No. 47,300
1 Claim. (Cl. 18—27)



A machine for continuously supplying loaded candle wick holders, which comprises multiple sources of continuous wick material; an endless conveyor for the wick holders adapted to carry said wick holders in a plane that intersects the plane determined by said wick material in a substantially horizontal line; said wick holders having a plurality of wick-engaging slots corresponding in number to said multiple sources of continuous wick material along one edge thereof adapted to engage and hold wick material, and being provided with means for opening and closing said slots; means on said endless conveyor adapted to engage said wick holders for moving said wick holders toward the plane determined by said wick material, and disposed to space said wick holders along said endless conveyor so that the distance between a pair of wick holders is substantially equal to the length of a candle, and so that during the travel of said wick holders on said endless conveyor, the wick-engaging slots will substantially coincide with said substantially horizontal line; means for maintaining the wick material under tension as it is engaged by said wick-engaging slots; and cam means to actuate the opening and closing means on said wick holders when said wick-engaging slots are substantially coinciding with said substantially horizontal line.

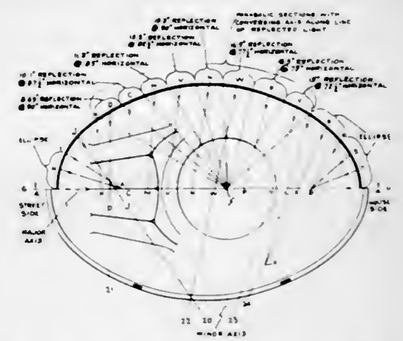
2,578,450
HYDRAULIC TRANSMISSION
Willard L. Pollard, Evanston, Ill.
Application March 27, 1944, Serial No. 528,208
17 Claims. (Cl. 74—732)

1. A hydro-planetary gear construction comprising a hydraulic torque converter and a planetary gearing, said torque converter comprising a pump rotor and two turbines, a first one of said turbines being driven in the same direction as the pump rotor when the second turbine is held against reverse rotation and the second turbine being driven in a direction reverse to that of the pump rotor when said first turbine is held against rotation, said planetary gearing comprising at least three elements including (1) a first gear, (2) a second gear, and (3) a differential gearing geared to both of said gears, means connecting said first gear in force-transmission relation to said first turbine, and clutch means between said second turbine and said



second gear connectible to enable said second turbine to drive said second gear in a direction reverse to that of the pump rotor and disconnectible to enable said second turbine to precess with respect to said second gear in a forward direction, said transmission having means for alternatively either holding said first turbine against forward rotation or said second gear against reverse rotation.

2,578,451
LUMINAIRE
Charles H. Rex, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application August 30, 1946, Serial No. 694,012
18 Claims. (Cl. 240—25)



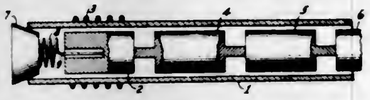
1. A roadway luminaire comprising an ovate reflector including similar side portions on opposite sides of a major plane and end portions, said reflector having a rim lying in a plane perpendicular to said major plane, and means for mounting a light source with its effective center within said reflector and lying in said major plane, the cross-sectional configuration of each said side portion in planes perpendicular to the plane of said rim and including the projection on the plane of said rim of reflected light from each point of said side portion being a composite curve comprising a parabolic portion and an elliptic portion, all light reflected from each said parabolic portion passing directly out of said reflector along a parabolic axis directed across said reflector and inclined to the plane of the rim, and all light reflected from each said elliptic portion passing directly out of said reflector through a conjugate focus lying on an elliptic axis which passes through said light source and intercepts the parabolic axis in the same perpendicular plane.

2,578,452

MECHANICAL FILTER

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 14, 1949, Serial No. 93,372
11 Claims. (Cl. 178—44)



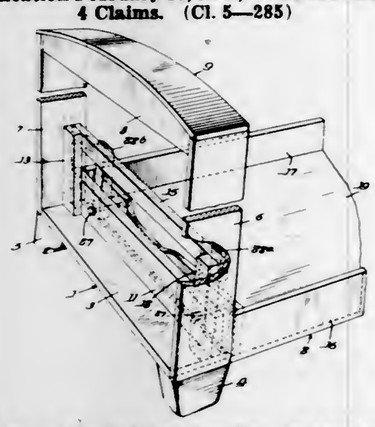
1. A mechanical filter, comprising a plurality of substantially similar physically separate resonant elements arranged substantially in alignment, a magnetostrictive resonant element coupled to each end of the line of elements, each of said magnetostrictive elements having a mass substantially one-half that of each of said plurality of elements, connecting means between contiguous ones of the plurality of elements and between the two end elements of said plurality and the contiguous magnetostrictive elements, and means for applying to and maintaining in each of said connecting means a continuous unidirectional stress, whereby for relatively weak vibrations said filter is rendered effectively monolithic.

2,578,453

SOFA BED

Joseph M. Roswens, Chicago, Ill., assignor to A. Brandwein & Company, Chicago, Ill., a corporation of Illinois

Application February 17, 1950, Serial No. 144,653
4 Claims. (Cl. 5—285)



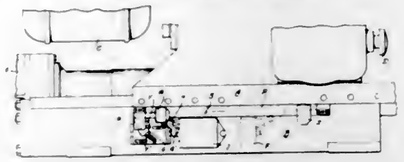
4. In a sofa bed construction, an arm structure including a horizontal bottom member, and front and rear uprights positioned at opposite ends of the bottom member, a cross member extending between said uprights and positioned adjacent said bottom member, said cross member being spaced inwardly from the inner side edge of the bottom member, a bedding box having a bottom, and front, rear, and opposed side members, one of the side members being positioned adjacent the inner side edge of said bottom member but spaced therefrom, with the adjacent end edges of the front and rear members substantially abutting said bottom member, a pair of spaced blocks positioned at the outer face of said member and rigidly secured thereto, said blocks having their outer faces extending outwardly beyond the ends of the front and rear members and abutting said cross member, and their lower ends resting upon said bottom member to support said seat supporting structure on said bottom member, and means passing through said cross member and side member for rigidly securing the same together.

2,578,454

DRILLING AND SWARF CLEARING DEVICE FOR MACHINE TOOLS

Léon Saives, Billancourt, France, assignor to Regie Nationale des Usines Renault, Billancourt, France

Application January 6, 1948, Serial No. 784
In France January 24, 1947
5 Claims. (Cl. 77—32.3)



1. In a drilling machine for effecting a drilling operation with a succession of swarf clearing steps and having tool head means mounted for translational movement over a base, a first electric motor for imparting rapid translational movements to said head with respect to said base, a second electric motor for imparting slow translational movements to said head with respect to said base, and electrical circuits therefor, in combination, switch means in said circuits for de-energizing said first electric motor at the end of a predetermined forward movement of said tool head, an electrical distributor connected in said circuits for determining the periods of energization of said second motor to control the successive electric swarf clearing movements of said tool head and the reverse actuation of said first motor for the rapid return of said tool head between each of said movements, means for actuating said switch means comprising a rod carried by said head, a cam supported on said rod, means releasably locking said cam to said rod, means for releasing said locking means upon engagement therewith, said cam being slidable on said rod during forward drilling movement of said head, said cam being arranged to engage said switch means for de-energizing said first motor when said head has reached a predetermined variable forward position, and a second cam engageable with contact means on said distributor for controlling the successive swarf clearing movements of the machine and the rapid return of the tool head after each swarf clearing movement, said first cam indicating the forwardmost position reached by said tool head during each swarf clearing movement and establishing the end point of the rapid approach of the tool head at the beginning of each swarf clearing movement.

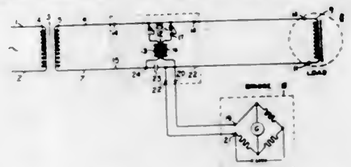
2,578,455

CIRCUIT FOR MEASURING THE RESISTANCE OF ENERGIZED ALTERNATING CURRENT APPARATUS

Richard E. Seely, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application July 26, 1949, Serial No. 106,935
7 Claims. (Cl. 175—183)

1. A circuit for measuring the resistance of energized alternating current apparatus comprising means adapted to have an alternating current voltage developed thereacross substantially equal to the voltage across said apparatus and adapted to have an end thereof connected to one side of said apparatus, means for measuring resistance adapted to be connected across the other end of said first-mentioned means and the other side of said apparatus, said first-mentioned means being arranged so that the voltage developed thereacross is substantially 180 degrees out of phase with the voltage across said apparatus



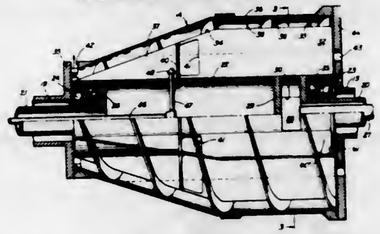
with respect to the circuit comprising said first-mentioned means and said apparatus and said resistance-measuring means whereby substantially no alternating current voltage appears across said resistance measuring means, and direct current blocking means adapted to be arranged in circuit with said apparatus for blocking direct current from the circuit to which said apparatus is connected whereby said resistance measuring means measures only the resistance of said apparatus and said first-mentioned means.

2,578,456

CENTRIFUGAL SEPARATOR

John D. L. Smith, Freeport, N. Y., assignor to Centrifuge Mechanical Equipment, Inc., Hoboken, N. J., a corporation of New Jersey

Application July 31, 1946, Serial No. 687,456
6 Claims. (Cl. 233—7)



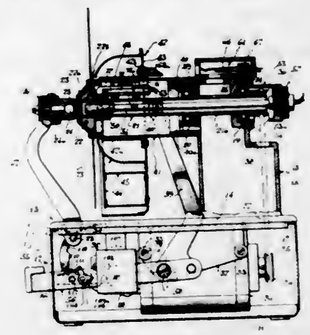
1. A separator comprising a casing, the casing having outwardly extending reduced tubular end portion for rotatable mounting of said casing, an element mounted for rotation in the casing, said element comprising a unitary tubular member having reduced tubular ends arranged in the reduced tubular end portions of said casing, said element having circumferentially spaced vanes extending longitudinally thereof within and throughout the full length of said casing, peripheral edges of the vanes being parallel with and arranged in spaced relation to the walls of said casing, leaving an annular chamber in the casing outwardly of said vanes, a spiral feed screw mounted on said edges of the vanes and arranged in said annular chamber in control of feed of material through the casing, means for admitting material to be processed into the casing through one of the reduced tubular extensions of said element and radially through said element into said annular chamber between said vanes, said vanes forming longitudinal passages on said element between the vanes, and means for baffing said passages intermediate the ends of said vanes.

2,578,457

METHOD OF AND APPARATUS FOR RECONDITIONING PHONOGRAPHIC RECORDS

Richard M. Somers, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application October 30, 1948, Serial No. 57,522
9 Claims. (Cl. 18—5.3)



5. A machine for reconditioning a disk-shaped phonographic record, to obliterate embossed recordations therefrom, comprising means for clamping said record at its central hub portion, means for rotating said clamping means to spin the record in air about its geometric axis, means for heating the outer remaining portion of the record to an erasing temperature, and separate means in proximity with said clamping means for heating the central portion of said record to an annealing temperature substantially lower than that of said erasing temperature.

2,578,458

ELECTRON DISCHARGE DEVICE AND ASSOCIATED CIRCUITS

Harry C. Thompson, Chester, Vt., assignor to Radio Corporation of America, a corporation of Delaware

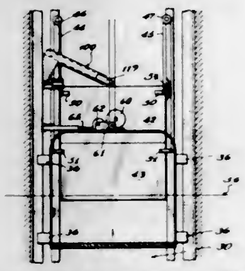
Application May 28, 1949, Serial No. 96,056
12 Claims. (Cl. 315—21)



1. An electrical system comprising means for supplying a beam of electrons along a predetermined beam path, means for collecting said beam, a pair of deflection plates interposed between said electron supplying means and said collecting means and disposed on opposite sides of said beam path, means for applying a periodic input voltage across said deflection plates for laterally deflecting the beam across said collecting means, and means disposed in part in the path of the beam and responsive to a momentary change in the maximum amplitude of deflection of the beam for applying to said deflection plates a voltage pulse 180° out of phase with said input voltage, said last-named means including an electrode forming a part of said beam collecting means and a low impedance connection between

said electrode and one of said deflection plates whereby the amplitude of deflection of said beam is stabilized near a given value.

2,578,459
ELEVATOR CLOSURE OPERATING MECHANISM
Westropp Armstrong, Philadelphia, Pa., assignor to Armstrong Riding Car Operator Corp., Chicago, Ill., a corporation of Illinois
Application June 28, 1949, Serial No. 101,734
17 Claims. (Cl. 187—58)



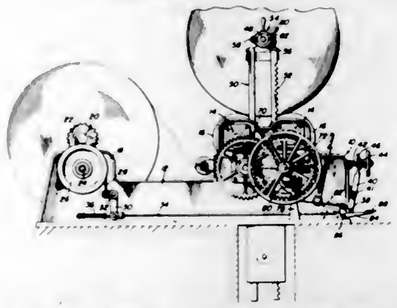
15. In a combination with an elevator installation having a shaft, a shaft wall, a car moving up and down in said shaft, a landing opening, and vertically slidable bi-parting counterbalanced doors, means for opening the doors, comprising a riding car operator having a horizontally movable vertically disposed channel-shaped crosshead with juxtaposed shoes, a source of rotating motive power upon the car, a crank adapted to be rotated by the motive power, a connecting rod between the crank and crosshead for moving the crosshead horizontally, a compound bell crank lever pivotally mounted adjacent the landing opening upon the wall, a pin secured to the lever and poised in the path of the crosshead as the car moves up and down whereby when the car is adjacent the landing opening the pin will be arranged between the shoes, the lever being connected with the doors and adapted to open the same when the lever is rotated, and said crosshead adapted to be moved horizontally when the car is at the landing opening to cause rotation of the lever, and means associated with the crosshead for preventing operation of the motive power unless the said pin is poised between the shoes.

2,578,460
AWNING CLIP
Lionel J. Babin, Jr., Houma, La., assignor of eighty-five per cent to Lionel J. Babin, and fifteen per cent to Dudley Melancon, both of Houma, La.
Application December 27, 1949, Serial No. 135,208
5 Claims. (Cl. 20—57.5)



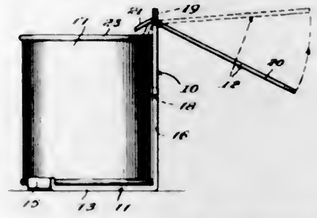
1. A rigid type metal awning including staggered U-shaped lower panels and inverted U-shaped upper panels overlying the lower panels, the web portions of the lower panels having slots formed with upstruck overlying ears and the walls of the upper panels terminating in lateral flanges frictionally fitted under the ears.

2,578,461
WINDING MACHINE
Carl O. Bachman, Watertown, N. Y.
Application March 8, 1949, Serial No. 80,192
12 Claims. (Cl. 242—66)



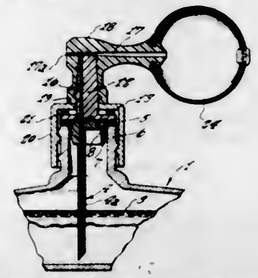
1. In a winding machine of the type employed for winding a web into a roll, said machine including a winding shaft upon which a web is wound into a roll comprising successive superposed convolutions, said shaft being mounted to rotate about a horizontal axis and to move upwardly during the winding operation under the influence of the increase in the number of convolutions of the web as it is wound on said shaft, means for maintaining the winding shaft horizontal and governing the density of the roll produced by the machine comprising vertically movable rack bars suspended from the winding shaft and exerting downward tension thereon, pinions meshing with the rack bars, a speed reducing gear train connected to the pinions for rotating said pinions in unison and a hand wheel connected to the said gear train and regulating the degree of tension exerted on the winding shaft by the rack bars.

2,578,462
MILK CAN PUNCH
Stephen M. Codiga, Monterey, Calif.
Application July 11, 1947, Serial No. 760,410
1 Claim. (Cl. 30—10)



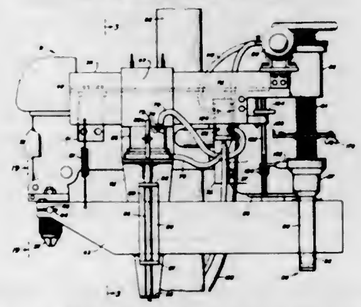
In a milk can punch, the combination which comprises a can supporting frame, L-shaped in cross section, having a horizontally disposed base with a vertically positioned upright extended upwardly from one side of the base, said base having can positioning clips on the edges and said upright having an opening in the upper end positioned to be spaced above a large can of milk and an opening in the intermediate part positioned to be spaced above a small can of milk, and a punching lever having a handle with a downwardly sloping prong at one end and said prong positioned to extend through one of the openings of the upright to punch an opening in a milk can positioned on the base of the said frame.

2,578,463
ATOMIZER
Santy M. Croce, Uniondale, N. Y., assignor to The Wescot Development Corporation, Brooklyn, N. Y., a corporation of New York
Application January 10, 1951, Serial No. 205,370
4 Claims. (Cl. 299—88)



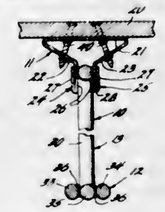
1. In an atomizer, the combination of a stopper member having a passage therethrough displaced from the center line of said stopper member, a stem member having a passage therethrough likewise displaced from said center line so that in one relative position of said stem member and said stopper member said passages are in alignment with each other, one of said members having a projection through which the passage of one of said members extends and the other of said members having a recess into which said projection enters when said passages are in communicating relationship with each other, one of said members additionally having a second recess into which said projection enters when said members are angularly displaced from each other about said axis, said second recess serving to form a seal for the passage terminating in said projection, and resilient means for yieldingly urging one of said members against the other of said members.

2,578,464
MECHANISM FOR FEEDING ROTARY TOOL SPINDLES OF DRILL PRESSES AND THE LIKE
Edward H. Cumpston, Jr., Rochester, N. Y.
Application October 16, 1947, Serial No. 780,220
12 Claims. (Cl. 77—5)



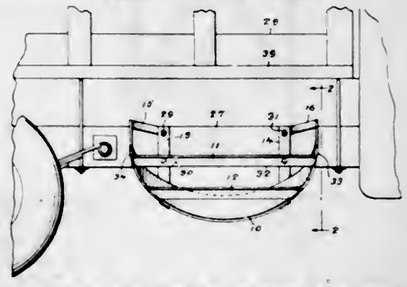
1. A mechanism for feeding a rotary machine tool spindle comprising a lever provided with means for connection with said spindle, adjustable means for variably pivoting said lever on said machine to vary the amplitude of movement of the ends thereof, a pneumatic rotary motor provided with means for moving said lever to effect cutting movement of said spindle, a pneumatic piston and cylinder device for moving said lever to effect rapid approach and back-off movements of said spindle, and a pneumatic control system for operating said motor and device, in timed coordination with each other, to effect feeding movements of said spindle.

2,578,465
METAL JOIST
Augustine Davis, Jr., and James A. Nichols, Washington, D. C., assignors to Davisbilt Steel Joist, Inc., Washington, D. C., a corporation of Delaware
Application October 7, 1946, Serial No. 701,762
7 Claims. (Cl. 189—37)



1. In combination, a metal structural element including a web and a chord extending along one edge thereof, said chord comprising an elongated, hollow, unfilled, box-like, supporting element having opposite, spaced apart, angularly related, boundary walls of nail-penetrable sheet metal, the cross-sectional configuration of said hollow chord being substantially triangular, whereby although being of nail-penetrable metal it is structurally rigid and self-sustaining; a collateral structural member disposed adjacent to and supported by said chord; driven frictional fastening elements passing through said collateral member and also successively through said spaced apart boundary walls, thus passing entirely through said hollow chord; said driven fastening elements being retained securely in place by their frictional contact with the distorted margins of the openings formed in the spaced apart boundary walls by the driving of said fastening elements, combined with the locking effect of the slight deflection of at least one of said angularly related walls due to the inherent slight unhindered resilience thereof under the driving force of the fastening element.

2,578,466
UNDERSLUNG TIRE CARRYING FRAME
Lester Ek, William Ek, and William Grubb, Conrad, Mont.
Application January 18, 1950, Serial No. 139,166
1 Claim. (Cl. 224—42.23)



In a motor vehicle tire carrier, the combination which comprises a substantially semicircu-

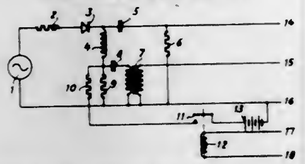
lar band, a bar connecting the outer ends of the band with the ends thereof secured to the lower edge of the band and extended downwardly therefrom, an intermediate bar also extended downwardly from the lower edge of the band and positioned across the intermediate part of the band, spaced hangers secured to the outer surface of the band and extended vertically upward, and braces extended from the upper ends of the hangers to the outer ends of the band, respectively, and secured to the upper edge of the band, and means attaching the hangers to a side beam of a motor vehicle chassis, with the frame suspended in an inclined position between the rear wheels and cab of the vehicle.

2,578,467

DEVICE FOR GENERATION AND MODULATION OF IMPULSES

Gunnar Gideon Emanuelsson, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden

Application May 24, 1949, Serial No. 95,098
In Sweden October 6, 1948
4 Claims. (Cl. 332—9)



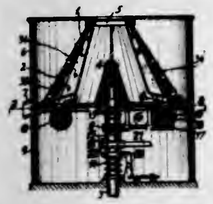
1. A device for the generation and modulation of impulses, including a circuit for producing a voltage with sharply marked surges, said circuit including in series connection a first voltage source, which generates a voltage with relatively high frequency, a first resistor, a rectifier, an inductor, and a second resistor, a second voltage source connected in parallel with said latter resistor, which generates a modulating voltage, and a branch circuit for transforming said surges to impulses, said branch circuit including a condenser and a resistor so connected to the first circuit that at least the inductor is common to the circuit and the branch.

2,578,468

CONTINUOUS CENTRIFUGAL SEPARATOR

Svend Sigurd Christie Fleischer, Charlottenlund, Denmark

Application January 13, 1947, Serial No. 721,698
In Great Britain January 14, 1946
2 Claims. (Cl. 210—74)



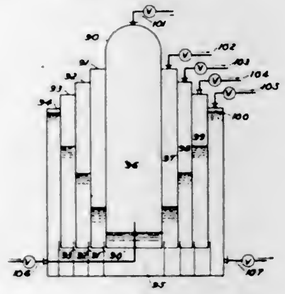
1. In a continuously operating straining separator, the combination of a separator drum shaped as a hollow truncated cone with an open top to receive the material to be separated, said drum having a side wall perforated to serve as a sieve, said drum being provided with ejection apertures in its base along the periphery thereof for ejection of separated solid material, means including a spindle for operating the separator drum to rotation, guiding means within the drum and extending inwardly from the side wall of the drum for guiding the incoming material to the perforated areas and to said ejection apertures, rotary retarding and conveying rollers arranged outside of and adjacent to the ejection apertures in the base of the drum and adapted to simultaneously retard the discharge of the solid material and convey the flow of a certain quantity of separated solid material per time period through the ejection apertures and away from the separator drum, and means for actuating the said retarding and conveying rollers.

2,578,469

DIFFERENTIAL PRESSURE DISTILLING APPARATUS AND METHOD

Albert W. Goldsbarry, Northbrook, and Max M. Tomaszewski, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application April 7, 1948, Serial No. 19,558
4 Claims. (Cl. 196—84)



2. The method of producing reactable mixtures of a vaporizable reagent and hydrocarbon vapors comprising maintaining a bed if liquefied reagent in the bottom of a still, said still being divided into a plurality of vaporizing zones communicating with each other at their bottoms, maintaining said liquefied reagent at a level sufficient to seal said vaporizing zones from each other, maintaining a pressure gradient from each vaporizing zone to the successive vaporizing zone, introducing hydrocarbons into the zone of highest pressure, causing the unvaporized hydrocarbons to flow from the zone of highest pressure successively through each zone to the zone of lowest pressure, applying sufficient heat to vaporize desired hydrocarbons and reagent in each zone and withdrawing mixtures of hydrocarbon vapors and reagent from each vaporizing zone in accordance with the distilling characteristics of said hydrocarbons.

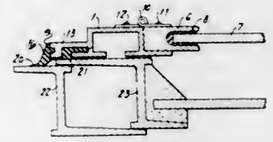
2,578,470

SEAL FOR AN AUXILIARY WINDOW FRAME AND A MAIN WINDOW SASH

Frank Gorell, Penn Township, Allegheny County, and Peter D. Pozzi, Heidelberg, Pa., assignors to Aluminum Fabricating Company of Pittsburgh, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 12, 1950, Serial No. 173,316
3 Claims. (Cl. 20—55)

1. A window structure comprising a window sash, an auxiliary window having a mounting face to be secured against said window sash for movement therewith, a substantially continuous slot in the perimeter of said mounting face, a substantially continuous elastomer sealing member having a base portion fitted into said slot and functioning as a sealing cushion when subjected



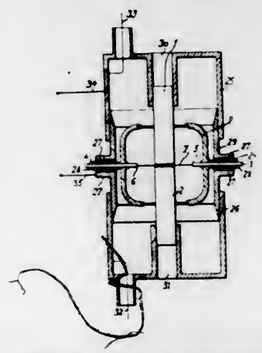
to direct compression between the auxiliary window and said window sash, and an unsupported continuous flexible lip extending from and integral with the base of the elastomer sealing member and extending over the edge of the window sash, said lip being free to flex and seal irregularities of the window structure.

2,578,471

ELECTRON TUBE FOR OPERATION WITH SHORT WAVES

Pierre Grivet, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application October 25, 1947, Serial No. 782,184
In France October 24, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 24, 1966
4 Claims. (Cl. 315—6)



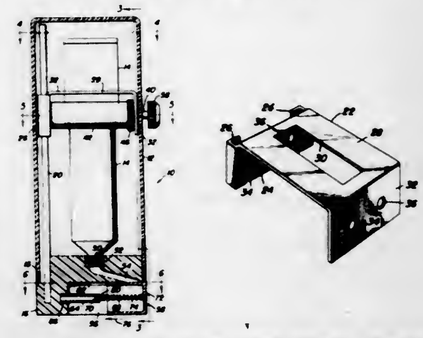
1. An electron tube comprising an anode and a control electrode, both of an elongated stem-like form and disposed on the same axis, and having their terminal faces opposed to each other, an emitting cathode of a planar form disposed perpendicularly to the axis and between the said electrode faces, an envelope surrounding said cathode and the parts of the anode and control electrode stems near said cathode, said envelope being open at both ends, and two terminal casings surrounding the central portion of the tube, and two enclosing end-casings connected with said terminal casings and comprising appended members adjustable along the anode and the control electrode, said end-casings forming two resonant cavities provided with means of taking out the output power on the anode side, and means for applying the incoming oscillations into the cavity on the control electrode side.

2,578,472

DISPENSING CASING FOR COLLAPSIBLE TUBE, WITH ROLLER-TYPE SQUEEZER FOR SAID TUBE

John W. Gunnarson, Los Angeles, Calif.

Application March 15, 1949, Serial No. 81,446
1 Claim. (Cl. 222—102)



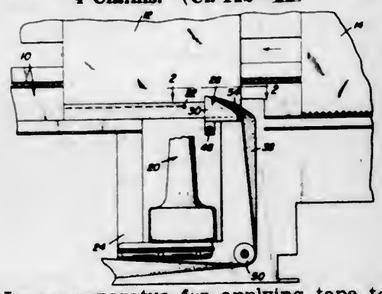
In a dispenser for collapsible tubes, the combination of a vertically elongated housing adapted to receive an inverted collapsible tube therein and including a back wall and a front wall provided with a vertical slot, a vertical guide strap positioned in said housing and spaced forwardly from said back wall, an inverted U-shaped flat plate carrier movable upwardly and downwardly in said housing and consisting of a flat horizontal bight portion and front and rear flanges depending therefrom, said bight portion being provided with an opening whereby to pass downwardly over a collapsed tube, a pair of rearwardly and inwardly extending ears provided at the opposite side edges of the rear flange forming inwardly facing channels and slidable on respective opposite side edges of said guide strap, a pair of spaced parallel shafts rotatably journalled in said front and rear flanges, a pair of tube engaging rollers provided on the respective shafts between said flanges, a pair of meshing gears secured to the respective shafts at one end of said rollers whereby rotation of one is transmitted to the other, one of said shafts projecting forwardly and outwardly from said front wall through said slot, and an actuating knob secured to the projecting shaft portion.

2,578,473

TAPE FORMER APPARATUS

Alfred H. Harley, Watertown, N. Y., assignor to Harley Machine Company, Inc., Watertown, N. Y., a corporation of New York

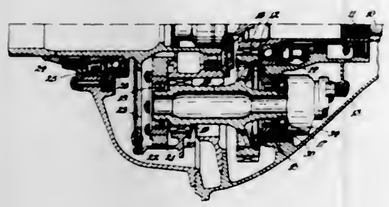
Application December 30, 1949, Serial No. 136,095
4 Claims. (Cl. 112—11)



3. In an apparatus for applying tape to the open end of a bag, a conveyor having a longi-

tudinal axis and adapted to convey the bag in a direction parallel thereto, means for directing the tape in a folded condition against the open end of the bag and from a direction perpendicular to said axis including a tape guide mounted remote from the conveyor, and a tape former mounted at one side of said conveyor, said former including an upper and lower plate with a spacer therebetween and along one edge of each plate to thereby form a guideway with an open front, rear and one open side, said upper plate having an upwardly curved portion along its front edge and remote from said spacer, and said lower plate having a downwardly curved portion along its front edge and remote from said spacer, and said portions cooperating to form a mouth for the bag and the tape.

2,578,474
TORQUE METER IN GEAR DRIVES
Lionel Haworth and Colin Baynes Taylor, Derby, England, assignors to Rolls-Royce Limited, Derby, England, a British company
Application October 25, 1948, Serial No. 56,302
In Great Britain October 31, 1947
3 Claims. (Cl. 73—136)



1. A gear train comprising a stationary casing structure; a layshaft having freedom for limited axial movement relative to said casing structure; a gear of the kind which develops axial thrust when torque is transmitted through the gear train supported on said layshaft; thrust bearing means supporting said layshaft; housing means carrying said thrust bearing means and including a cylinder element; a piston element arranged for sliding in said cylinder element and fixed with respect to said casing structure; means for supplying pressure fluid to the space within said cylinder element and on one side of said piston element and to oppose the axial thrust transmitted to said housing from said gear; valve means to control the escape of said fluid from said space comprising a variable-area exit port provided in one of said elements, the area of said port being determined by the relative position of the two elements; and means for measuring the pressure in said space.

2,578,475
PRODUCTION OF GAS COMPRISING HYDROGEN AND CARBON MONOXIDE
Joel H. Hirsch, Oakmont, and Maurice J. Boegel, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application May 9, 1949, Serial No. 92,252
3 Claims. (Cl. 48—196)

1. A process of producing in a spark ignition internal combustion engine provided with a cylinder and piston a gas comprising hydrogen and carbon monoxide with a high hydrogen to carbon monoxide ratio, which comprises introducing into said cylinder a preformed charge mixture of oxygen and a hydrocarbon fuel in which the atomic ratio of hydrogen to carbon is in the range of 3.50:1 to 4.0:1, said charge mixture containing said oxygen and said fuel in a mol ratio in the range of 0.75:1 to 0.90:1, compressing said charge mixture in said cylinder by the piston under conditions adapted to produce a compression pressure not in excess of the pressure determined by the equation,

$$P=\frac{43.8}{R^{1.34}}$$

and not lower than the pressure determined by the equation,

$$P=\frac{52.5}{R^{1.13}}$$

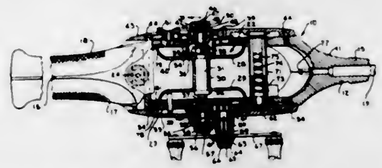
where P is the compression pressure in pounds per square inch gauge and R is the mol ratio of oxygen to fuel in the charge mixture, spark igniting said charge mixture prior to top dead center of piston travel to produce a resulting mixture comprising hydrogen and carbon monoxide at an elevated pressure and an elevated reactive temperature, expanding said resulting mixture to reduce the pressure on said resulting mixture and to cool said resulting mixture, and recovering an exhaust gas comprising hydrogen and carbon monoxide having a high hydrogen to carbon monoxide ratio.

2,578,476
WORK INDEXING ATTACHMENT
John S. Hollinger, Pontiac, Mich.
Application September 21, 1946, Serial No. 698,531
1 Claim. (Cl. 90—57)



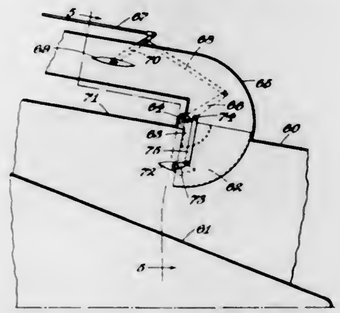
A work indexing attachment comprising a mounting disc centrally apertured and threaded for attachment to the threaded end of the spindle of a lathe or like machine, said mounting disc having stepped outer and inner annular shoulders on the inner face thereof concentric with and inwardly of the periphery of the same, an index ring rotatably fitted on the outer shoulder and having a rabbet in its inner edge, a clamping ring seated on the inner shoulder and having its outer marginal portion received in the rabbet of said index ring so that the index ring may be clamped against turning relative to the mounting disc by drawing the clamping ring toward said mounting disc, releasable means for drawing the clamping ring toward the mounting disc, means to secure a work holder to the index ring, and co-acting pointer mark and degree graduations on the peripheries of the mounting disc and index ring for indicating degrees of rotation of the index ring relative to the mounting disc.

2,578,477
FISHING REEL
Edwin P. Hurd, Detroit, Mich., assignor to Hurd Lock and Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 8, 1946, Serial No. 675,388
2 Claims. (Cl. 43—20)



2. In a fishing tackle assembly, a one-piece body having an integral rod seat formed at one end thereof, an integral tail portion formed at the other end thereof, a reel housing chamber located between said tail portion and said seat portion, hand grip members secured to the opposite sides of said tail portion, a line spool journaled in said reel housing chamber and comprising a core having a cupped end flange on each end thereof, and means to protect the edge portions of said flanges and to guard the line spool and including removable shrouds secured to the sides of said reel housing and having lip portions overlying the adjacent circumferential edge portions of said spool flanges.

2,578,478
GAS-TURBINE ENGINE
Ralph Janes, Duffield, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application June 21, 1948, Serial No. 34,310
In Great Britain June 26, 1947
19 Claims. (Cl. 60—39.09)

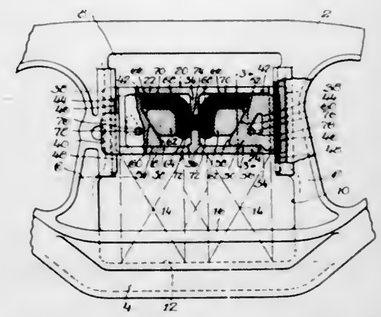


1. Means for abstracting hot gas from the exhaust flow through an exhaust duct of a gas-turbine engine comprising in combination a scoop device mounted in a duct-defining wall of the exhaust duct at a location between the inlet end and outlet end of the duct; controllable means for moving said scoop device between an operative position where said scoop device intrudes into the gas flow through the duct and presents an inlet area facing the inlet end of the duct and a retracted position in which it is withdrawn from intrusion into the gas flow; gas ducting connecting with said scoop device to lead abstracted hot gas to a location liable to require heating; a part of said scoop device constituting a closure member which part, in the retracted position of the scoop, conforms to the contour of the duct defining wall in which the scoop is mounted, and closes communication between the exhaust duct and gas ducting.

2,578,479
PROCESS FOR POLYMERIZING BIS-DIPHENYLENE ETHYLENE
Raymond John Stuart Jennings and Alan Fowler Williams, London, England, assignors to C. D. Patents Limited, London, England, a British company
No Drawing. Application August 1, 1949, Serial No. 108,058. In Great Britain August 4, 1948
2 Claims. (Cl. 260—93.5)

1. The method of producing thermoplastic resins having melting points of 450° C. and upwards from bis-diphenylene-ethylene which method consists in heating the bis-diphenylene-ethylene with benzoyl peroxide as a catalyst for a prolonged period at a temperature of about 360° C.

2,578,480
SNUBBED BOLSTER TRUCK
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 1, 1945, Serial No. 632,218
12 Claims. (Cl. 105—197)



5. In a truck, a side frame comprising spaced vertical friction surfaces, a bolster spring-supported from the frame between said surfaces and comprising spaced top and bottom walls and spaced inboard and outboard walls defining an opening through said bolster, a shoe disposed at each end of said opening in slidable flat-face engagement with said bottom wall and in frictional engagement with the adjacent surface, a single member disposed in said opening between said shoes and in wedge engagement therewith, and a continuous mass of flowable resilient material extending across the full top side of said member and compressed by and between the same and said top and inboard and outboard walls.

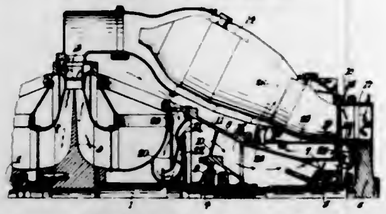
8. In a railway car truck, a side frame having spaced columns, a bolster spring-supported from the frame between said columns and comprising spaced generally horizontal walls, friction shoes disposed at opposite sides of the bolster between said walls in slidable engagement with one of said walls and in frictional engagement with respective columns, generally vertical abutment surfaces extending between said walls, wedge means between said shoes in wedge engagement therewith, and resilient means compressed between said abutment surfaces, the other of said walls, and said wedge means.

2,578,481

GAS TURBINE POWER PLANT WITH AUXILIARY COMPRESSOR SUPPLYING COOLING AIR FOR THE TURBINE

Adrian Albert Lombard, Clitheroe, England, assignor to Rolls-Royce Limited, Derby, England, a British company

Application February 10, 1947, Serial No. 727,519
In Great Britain March 25, 1946
3 Claims. (Cl. 60—39.36)



2. The combination of a gas-turbine, a main rotary compressor coaxial therewith, a driving-shaft connecting said gas-turbine and said compressor, combustion equipment extending between said compressor and said turbine and arranged around said driving-shaft connection, an intermediate annular casing structure located axially between said gas-turbine and said compressor, a turbine bearing for said gas-turbine supported within and by said intermediate casing, an auxiliary rotary compressor located within said intermediate casing and driven by said driving-shaft and arranged to discharge air under pressure into said intermediate casing, an inlet duct for said auxiliary compressor, an exhaust outlet from said intermediate casing on the side of said bearing remote from said auxiliary compressor, and communicating passages through the supporting structure of said bearing between the discharge of said auxiliary compressor and said exhaust outlet.

2,578,482

INSECT POISONING AND CROP DUSTING MACHINE

Louis A. Mindrup, Dallas, Tex.

Application July 2, 1945, Serial No. 602,907
17 Claims. (Cl. 222—314)



2. In a crop dusting machine, a dust hopper having an elongated discharge opening in the bottom thereof, dust feeding means, comprising a vertical smooth faced disc having a plain periphery, coacting with said opening for discharging dust therethrough, and means, comprising an adjustable slide movable toward or away from a face of the disc, for varying the size of the opening.

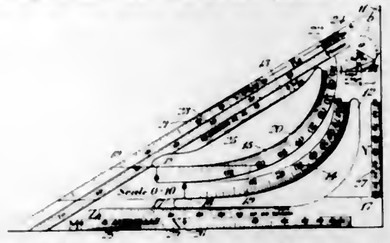
2,578,483

TRANSITION CURVE PLOTTER FOR ROADS AND RAILWAYS AND OTHER PURPOSES

Francis Thomas Murray, Padstow, Cornwall, England

Application June 1, 1948, Serial No. 30,288
In Great Britain June 6, 1947
2 Claims. (Cl. 33—1)

1. A plotter comprising sheet material having a straight base line and a curved edge in tangential relationship to the base line and shaped to afford a transition curve of gradually decreasing radius of curvature from an origin on the base line, the transition curve being the envelope of a series of imaginary circles of successively diminishing radii, the parts of which nearest the base line successively recede therefrom, that is, have increasing shift relatively thereto, graduations upon the material of the plotter along the



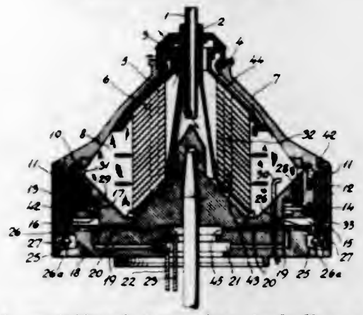
curve which graduations are provided with identification marks, a scale of instantaneous radii of curvature of the transition curve at successive points along its length, said scale being marked correspondingly to the identification marking of said curve, a second scale of amounts of shift, said second scale having also similar identification marking, the first and second scales being located end to end upon the material of the plotter and having a common origin between them.

2,578,484

SELF-DISCHARGING SLUDGE SEPARATOR

Aage Nyrop, Hellerup, Denmark

Application July 11, 1947, Serial No. 760,303
In Denmark July 4, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 4, 1962
3 Claims. (Cl. 233—20)



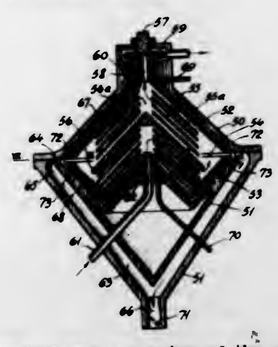
1. A centrifugal separator, including a bowl adapted to be rotated to effect continuous discharge of liquid effluents and the concentration of suspended solid material within the bowl, and provided with peripheral slots for the intermittent discharge of concentrated solid material, said bowl having a body with outer and inner portions between which is an annular piston-receiving channel and an enlarged, annular chamber which extends inwardly at the bottom of said channel, an annular discharge-controlling piston mounted in said channel for reciprocation therein against and away from a sealing surface to control the discharge of concentrated solid material from said peripheral slots, said piston being provided with a radial flange extending inwardly from its lower portion and into said chamber to divide the latter into a lower space below said flange and an upper, annular groove-like space above said flange, said upper and lower spaces being in open communication with each other around the inner edge of said flange and both being adapted to receive a piston-actuating liquid, the area of the flange in contact with the lower space being greater than that in contact with the upper space, means for admitting a piston-actuating liquid into said lower space to act on the bottom of said flange to move said piston upwardly to sealing position and to enter said upper space around the inner edge of said flange, valve-controlled, quick-escape, liquid passages leading from said lower space to permit the quick discharge of liquid beneath the flange during motion of the piston downwardly to discharge position for concentrated solids, and valves for controlling said discharge passages, said valves being centrifugally actuated to closed positions and hydraulically operated to open positions, said upper groove-like space being so proportioned and arranged that when said valves are hydraulically operated to permit of the quick escape of liquid beneath the flange, a substantial body of liquid will be retained by centrifugal force in the space above said flange and will exert a hydrostatic pressure tending to force said flange downwardly to assist in the quick and full opening of said piston.

2,578,485

CENTRIFUGAL SEPARATION

Aage Nyrop, Hellerup, Denmark

Application April 13, 1948, Serial No. 20,657
In Denmark May 5, 1947
8 Claims. (Cl. 233—15)



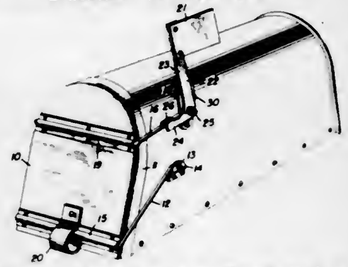
3. In a centrifugal separator of the character set forth, the combination of a rotatable separator body having a substantially cone-shaped portion containing means for the centrifugal separation of the components of a mixture fed to said body, said body having means for the discharge of the lighter components and a constantly open peripheral outlet for the heavy components extending around the base of said cone-shaped portion, a stationary housing having inner and outer encircling compartments, means rotatably mounting said body in said inner compartment with a space between them which is sealed except around said peripheral outlet of the body, said compartments being in communication with each other through a substantially annular discharge aperture encircling said peripheral outlet of said body and disposed radially outward of and in alinement with said peripheral outlet, said space between the body and the inner compartment wall being in communication with both said outlet and said discharge aperture, whereby said outer compartment receives the separated heavy components through said alined outlet and aperture and across said space, means for supplying a fluid under pressure to said space, and means for the throttled discharge of the separated heavy matter from said outer compartment.

2,578,486

MAILBOX WITH DOOR OPERATED SIGNAL FLAG

Elmer P. Pedersen, Leo R. Pedersen, and Kenneth E. Pedersen, Pipestone, Minn.

Application May 11, 1949, Serial No. 92,628
1 Claim. (Cl. 232—35)



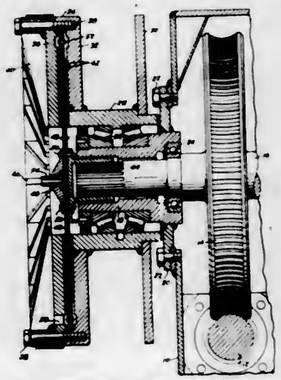
A mailbox having an open front end, a door for said front end of the box, upper and lower U-shaped lift arms pivoted at the ends thereof to the sides of the box and pivoted at the central portions thereof to the door to open said door when the arms are lifted, a flag pivotally mounted on one of the pivoted ends of one of said arms for vertical swinging into raised and lowered positions at one side of the box, a lateral lug on said flag overlying said one arm when the flag is raised whereby said one arm will swing said flag toward lowered position when said arms are lifted to open the door, and spring means above the pivot of said flag yieldingly holding said flag raised and said lug engaged to bias said one arm against being lifted and thereby urge the door closed, said flag being swingable into lowered position independently of lifting of said one lift arm, and said spring means yieldingly urging said flag lowered.

2,578,487

FLEXIBLE MOTOR FLUID OPERATED CLUTCH

Oscar R. Peterson, Oakland, and Robert A. Peterson, San Leandro, Calif.

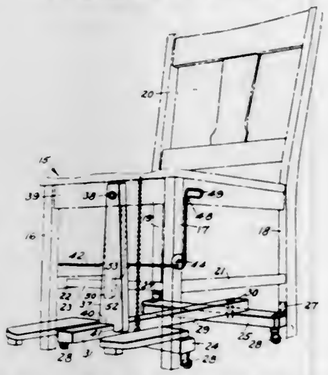
Application November 19, 1945, Serial No. 629,341
8 Claims. (Cl. 192—88)



1. Power transmission device which comprises a shaft, walls forming a radial pocket disposed

adjacent the end of said shaft, hub structure locked for rotation upon said shaft but floating axially thereon, a first disk locked to one of said pocket walls for rotation therewith but axially floating therein, an auxiliary hub mounted for rotation with said hub structure but axially floating thereon, a second disk secured to said auxiliary hub and interposed between one wall of said pocket and said first disk, a pair of resilient disks secured to said hub structure and interposed between said first disk and one of the walls of said pocket, and a conduit connected to said hub structure for introducing fluid between said pair of disks.

2,578,488
ROLLER ATTACHMENT FOR CHAIRS
Frank J. Placerean, Rochester, N. Y.
Application October 16, 1946, Serial No. 703,599
13 Claims. (Cl. 155—188)



2. A chair having a seat frame and legs fixed to said frame, two members each hinged to and connecting the legs of opposite pairs thereof, respectively, roller means depending from said members, and a lever fixed to one of said members and movably and releasably engaging the other thereof to effect simultaneous swinging movement of said members for lowering said roller means below said legs to support said chair for rolling movement.

2,578,489
ARTIFICIAL WOOD PRODUCT AND METHOD OF MAKING THE SAME
Charles Roman, Miami, Fla.
Application December 9, 1946, Serial No. 715,033
12 Claims. (Cl. 260—17.2)



12. The herein described method of forming an artificial lumber product which includes agitating a fluffed, dry, raw sugar cane bagasse to open the interstices therebetween, sifting and dispersing through the mass of bagasse during such agitation a binder of a dry thermo setting wood bonding glue resin and an extender of said resin, dampening the bagasse and said binder and extender with an aqueous medium to render it moist but not wet and then compressing said bagasse to squeeze all the portions of the same into intimate contact with each other, said extender being of a nature to not only serve as an extender but to serve, when dry to coat the particles of resin to reduce their coefficient of friction and to facilitate their dispersal throughout the interstices of the mat of bagasse when sifted thereinto, said extender being also of a cementitious nature after and only after having been dampened with such aqueous medium, the resin being present in amount of one part to 8 to 24 parts of bagasse.

2,578,490
GAS PURIFICATION
James H. Shapleigh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1948, Serial No. 24,677
12 Claims. (Cl. 252—376)

1. In the process of producing hydrogen and nitrogen by the dissociation of hydrocarbon gases and vapors, the improvement which comprises in combination maintaining a mixture of gaseous hydrocarbon and steam at a temperature below the thermal decomposition temperature of the hydrocarbon; passing the mixture into contact with nickel catalyst at a temperature above the thermal decomposition temperature of the hydrocarbon in the presence of nickel catalyst to obtain a hydrogen-carbon monoxide mixture substantially free of detrimental carbon; intermixing the hydrogen-carbon monoxide mixture with hydrocarbon combustion products containing nitrogen oxide to convert the nitrogen oxide to nitrogen by reaction with hydrogen in the presence of iron catalyst to thereby obtain a mixture comprising hydrogen and nitrogen substantially free of nitrogen oxide; and cooling the mixture thus formed.

2,578,491
METHOD OF ACCELERATING THE GROWTH OF MICROORGANISMS
Ralph F. Shropshire, Cambridge, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
No Drawing. Application October 26, 1946, Serial No. 706,062
6 Claims. (Cl. 195—77)

6. A method of accelerating the growth of a micro-organism which comprises treating a quantity of the organism with compressional wave vibrations at a power level high enough to disrupt the cell structure of the organism, adding such treated material to a new culture of the organism and subjecting the total mixture to compressional wave vibrations at a power level insufficient to destroy the cell structure of the organism.

2,578,492
TWELVE CAVITY GROMMET MOLD
Robert L. Simpkins, Royal Oak, John S. Materka, Dearborn, and Howard A. Elliott, Detroit, Mich., assignors to Essex Wire Corporation, Detroit, Mich., a corporation of Michigan
Application March 22, 1951, Serial No. 216,924
10 Claims. (Cl. 18—42)

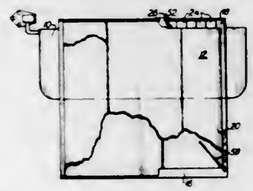
1. A molding apparatus for molding a plurality of grommets, terminals, spark plug insulators

or the like on electric conductors, comprising a sectional die, a sprue formed in said sectional die, a plurality of cavities formed between adjacent sections of said die at varying distances from said sprue, a main runner of uniform cross section ex-



tending from said sprue to the cavity farthest from said sprue, gate runners extending between said main runner and each of said cavities, the cross sections of the runners leading to cavities nearest to said sprue having smaller cross sections than those farther from said sprue.

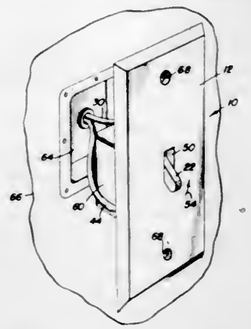
2,578,493
MAP HOLDER
William Leland Weeks, Shawsville, Va.
Application August 18, 1950, Serial No. 180,251
4 Claims. (Cl. 40—103)



1. A map holder for selectively displaying one of a plurality of individual maps at a convenient position on a sun visor before a motor vehicle operator, comprising a foldable booklet of pages printed with individual maps, a front cover and a back cover for said booklet, one edge of each of said covers being hinged together, one of said covers being provided at its opposite edge with a slideway parallel with said hinge, the other of said covers being provided with indicia identifying the individual maps within said booklet, a page selector movable on said slideway and cooperating with said indicia when the booklet is folded for selecting an individual map page to be displayed, means on said page selector for releasably latching said covers in closed position, and means on said cover carrying said slideway for holding said booklet on the sun visor of a motor vehicle.

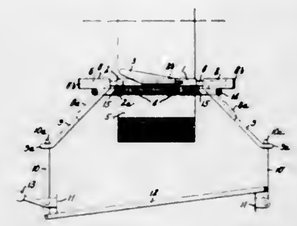
2,578,494
ELECTRIC SWITCH
Harry Shaw Wiggins, Long Beach, Calif.
Application May 27, 1949, Serial No. 95,714
1 Claim. (Cl. 200—153)

For use in electrical systems, an outlet box adapted to be positioned in a wall and having an open side, a wall plate of electrical insulating material closing the open side of the box and adapted to be secured to a wall, said plate having an integral body projecting laterally from the plate which is received in the box, said body having a recess which opens into the box, electric switch means in the recess operable from the side of the plate opposite said body comprising a fixed contact carried by the body at one side of the recess and a movable contact carried at the other side of the recess for engagement with the fixed contact, means for yieldingly urging the contacts into engagement, said plate having an opening therethrough communicating with the recess, a lever extending through the opening and pivoted intermediate its ends to the body, said movable contact having an arched surface normally disposed in the path of the inner end of the lever whereby pivotal movement of the lever in one direction separates the contacts, cam means adjacent the inner end of the lever associated with the movable contact to cause a snap



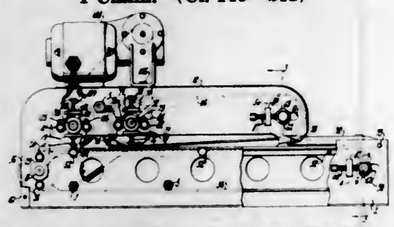
action in the movement of the lever, combined means in the recess preventing passage of foreign matter through the opening and also limiting and cushioning pivotal movement of the lever, a protective cover in the box embracing and frictionally retained on the body, said box and cover being spaced and the cover having an aperture therethrough permitting connection of an electrical conductor to the switch means.

2,578,495
COIL FORM
Otto Wirth, Zurich, Switzerland, assignor to Micafil A.-G., Zurich, Switzerland
Application July 8, 1949, Serial No. 103,585
In Switzerland July 16, 1948
6 Claims. (Cl. 242—1)



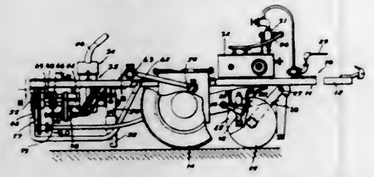
1. A form for use in the winding of coils in the grooves of the stator element of electric generators and the like comprising a pair of lever members pivotally connected such that the distance between the outer ends of said members is extended upon movement thereof to an erected position longitudinally of the stator grooves with said levers in coaxial alignment, releasable means for locking said levers in said erected position, spaced aligning pins depending from said levers and adapted to project into a first groove in said stator intermediate two other grooves which are to receive the coil for locating and maintaining said levers in alignment with and over said first slot, and coil guiding members extending transversely of said levers at the outer ends thereof.

2,578,496
APPARATUS AND METHOD FOR THE PREPARATION OF PIMENTO
George W. Ashlock, Jr., Oakland, Calif.
Application February 21, 1950, Serial No. 145,466
1 Claim. (Cl. 146—241)



A process for stuffing olives and the like, consisting essentially in first gradually applying a constantly increasing pressure to a pimento strip by subjecting the same to gradually converging pressing surfaces of rotating rollers thus to form the pimento permanently into a flat sheet having substantially uniform sectional thickness with the ridges on the pimento skin compressed without appreciably altering the color and physical texture of adjacent areas of the pimento, thereafter cutting said sheet into strips having uniform width with a gang of rotating knives, and then finally filling the cavities of previously pitted olives with pimento from said strips.

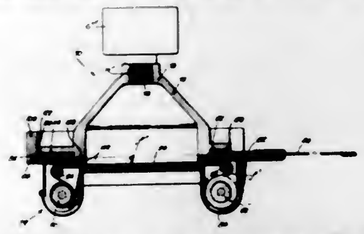
2,578,497
ROAD MARKER
Frank E. Ballew, Woodland, Mich.
Application May 20, 1946, Serial No. 671,039
4 Claims. (Cl. 275—2)



1. Road marking equipment comprising a carriage having a frame and having a ground engaging wheel, a hopper supported on the frame for containing particles of a light-reflecting material, a plurality of distributing chambers for light-reflecting particles having discharge openings directed downwardly and supported on the frame in positions to apply a corresponding number of laterally spaced rows of light-reflecting particles on the road surface, a plurality of screw type conveyors corresponding in number to the number of distributing chambers for feeding the particles of light-reflecting material from the hopper and positively ejecting the same into the distributing chamber, driving means for the screw type conveyors, a clutch for operatively connecting each screw type conveyor to the driving means, and means for independently operating the clutches to connect the screw type conveyors to said driving means.

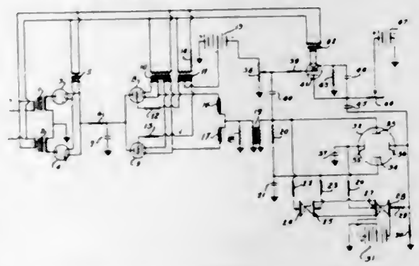
2,578,498
COMBINATION CAMERA AND DEVELOPER
John Bass, New York, N. Y.
Application June 13, 1949, Serial No. 98,768
5 Claims. (Cl. 95—13)

1. A combination camera and developer comprising a frame member having an opening defined therein, a housing open at opposite sides thereof and mounted on said frame, one of said housing sides being disposed in said frame opening, a film holder removably mounted on said frame in opposition to said one housing side for closing the opening therein, said film holder having defined therein a film exposure opening in registry with the opening in said one housing side and being provided with means to support film at said exposure opening, a shield slidably



carried by said film holder to overlie and to expose said exposure opening, said housing being movable relative to said frame for moving said one housing side in the frame opening into first and second positions in which said one housing side is in and out of sealing relation, respectively, with the film at said exposure opening, lens means, a liquid tank, and means provided in said housing at the opening in the other of said sides for the releasable interchangeable attachment thereto of said lens means and said tank.

2,578,499
SURGE INSULATION TESTER
Earl W. Bauer, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application August 1, 1947, Serial No. 765,445
2 Claims. (Cl. 175—183)



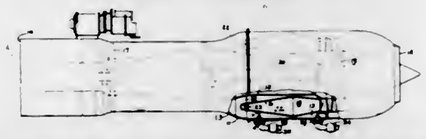
1. An apparatus for testing an electrical winding comprising a circuit including a series connected inductive comparison winding having known electrical constants; a second circuit in which an inductive winding to be tested is connected having electrical constants like those in said comparison winding and electrically coupled to said circuit; a capacitor included in each circuit and series connected therein at least during the time of energy flow for making it oscillatory; means for charging said capacitor; means for alternately energizing each circuit from said capacitor; a cathode-ray oscilloscope having a screen, a deflectable beam, and two beam deflecting means whose axes are non-parallel; a deflecting circuit for controlling one of the beam deflecting means electrically coupled to both of said circuits and energizable by energy received from either of said first two mentioned circuits; and a

sweep circuit comprised of a second capacitor from a direct current source across which is connected the plate and cathode of a grid controlled gaseous rectifier, the grid being biased negatively and electrically coupled to both of said circuits for control of the other beam deflecting means energizable through a time delay circuit including a resistance and capacity electrically coupling said grid to said first two mentioned circuits, the constants of said time delay circuit being so proportioned as to cause said tube to discharge said second capacitor at such a time and rate as to cause the screen of said cathode-ray oscilloscope to embrace only a portion of the path of the wave responsive motion of said beam in the oscilloscope for indicating the condition of said test winding.

2,578,500
METHOD OF STUDYING EARTH FORMATIONS EMPLOYING CARBON DISULFIDE AS A TRACER
George G. Bernard and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application March 31, 1948, Serial No. 18,286
6 Claims. (Cl. 23—232)

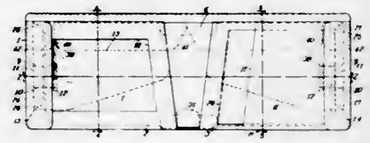
1. The method of studying earth formations in the neighborhood of an oil producing formation to determine their flow characteristics as an aid to the secondary recovery of oil therefrom comprising, injecting into the formation a small amount of carbon disulfide and a fluid not reactive with carbon disulfide under the conditions of operation, withdrawing a sample of said fluid from the earth formation at a point removed from the point of injection and testing the fluid for the presence of carbon disulfide.

2,578,501
FUEL TRAP FOR COMBUSTION APPARATUS OF GAS TURBINE ENGINES
Thomas H. Boosinger, Glenolden, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 21, 1948, Serial No. 39,840
4 Claims. (Cl. 60—39.69)



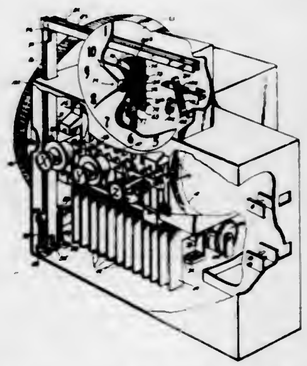
1. In a gas turbine power plant having a cylindrical sheet metal casing structure containing a forwardly disposed compressor, a rearwardly disposed turbine and fuel combustion apparatus interposed therebetween, the combination therewith of means for preventing access to either said compressor or said turbine of fluid deposited in said casing structure, said means comprising spaced transverse slots formed in the outer casing wall beneath the opposite ends of said combustion apparatus, each of said slots having an inwardly inclined baffle formed along one edge thereof for preventing flow of fluid therepast toward the adjacent end of the combustion apparatus, and an arcuate fluid trap conformed to and mounted on said outer wall of the said casing structure beneath each of said slots, each of said traps having a receiving chamber from which accumulated fluid can be discharged without the creation of hot spots in said casing structure.

2,578,502
STITCHLESS WALLET CONSTRUCTION
Francis A. Brady, Canandaigua, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application July 29, 1949, Serial No. 107,599
1 Claim. (Cl. 150—38)



A stitchless wallet comprising inner and outer walls, the inner wall consisting of a single piece of material and extending longitudinally of the wallet from one end of the outer wall to the other end thereof and the outer wall being provided with pocket forming members connected with the lower edge of the outer wall and extending upwardly therefrom to the upper edge of the inner wall and fitted against the outer face of the same and having flaps extending downwardly at the inner face of the inner wall to approximately the lower edge thereof and confining the inner wall within the wallet and securing said pocket forming members to said inner wall, and narrow marginal end flaps formed integral with and located at the ends of the outer wall and folded inwardly over the outer side edges of the pocket forming members and providing narrow edgings and having narrow extensions forming tongues of a width and length less than the marginal end flaps and extending through the pocket forming members to the inner faces thereof and having terminal projections engaging the inner faces of the pocket forming members and positively interlocking the tongues with said pocket forming members to prevent withdrawal of the tongues from the inner faces of the pocket forming members.

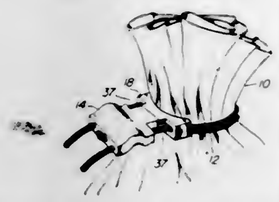
2,578,503
ELECTRICAL SWITCH MEANS
Thomas G. Burrichter, Chicago, Ill.
Application October 3, 1945, Serial No. 619,983
15 Claims. (Cl. 250—20)



1. A mechanism of the class described comprising a plurality of station buttons, station set ups operative by said buttons, a station set up including four drum discs driven in unison, four switches operable by four discs, manual means

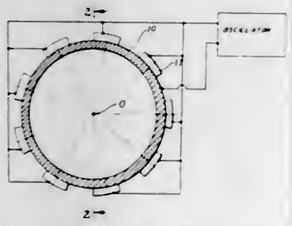
for moving the drum to presetting position, a carrier movable parallel to the drum axis, a finger hinged to said carrier, said discs carrying pins along their peripheries and normally maintained in oblique or off position, and means for moving a carrier to cause its finger to move a pin to radial or on position.

2,578,504
BAG SEAL
George G. Canter, New York, N. Y.
Application November 17, 1950, Serial No. 196,321
2 Claims. (Cl. 292—308)



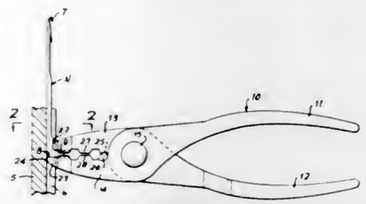
1. A sealing device for the gathered neck-portion of a bag comprising a cord adapted to be arranged in a plurality of loops around said gathered neck-portion, a sealing member of compressible material having therein holes through which said cord is threaded, and a bag-gripping block of hard molded material having a curved surface with sharp edges adapted to engage the gathered neck-portion of a bag, the two ends of said block on either side of said curved surface being provided with a pair of lugs adapted to grip said neck-portion and with a notch adapted to receive said cord located between said lugs, said block also being provided with a plurality of passages extending from said curved surface through which passages said cord is threaded, said bag-gripping block on its side opposite to said curved surface having a projecting portion adapted to engage said sealing member, thereby exposing said cord to facilitate cutting of it.

2,578,505
SUPERSONIC AGITATION
Benson Carlin, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application March 2, 1948, Serial No. 12,617
8 Claims. (Cl. 259—1)



1. An apparatus for the supersonic agitation of fluids in a container, comprising a plurality of electro-acoustic transducers positioned substantially in a plane and adapted to pass supersonic beams through the fluid, means for simultaneously energizing all of said transducers, the transducers being positioned to concentrate the beams substantially at a point within the container.

2,578,506
NEEDLE REPLACEMENT TOOL FOR CIRCULAR KNITTING MACHINES
Julian E. Carnes, Jr., Charlotte, N. C.
Application November 8, 1950, Serial No. 194,622
1 Claim. (Cl. 81—5.1)



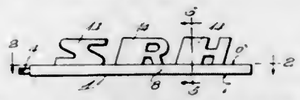
A tool for gripping the butts of knitting needles and the like comprising first and second members pivotally connected to each other intermediate their ends and each having respective first and second jaws at one end thereof, the first and second jaws each having a longitudinally extending groove in the face thereof adjacent the other of the jaws, the second jaw having a projection extending outwardly from the free end thereof and in alinement with the groove in said second jaw, said projection on the second jaw being curved toward the first jaw at the free end thereof and being of substantially the same thickness as the width of said groove in the second jaw, said first jaw also having a projection on the free end thereof terminating substantially short of the free end of the projection on the second jaw and also being of a thickness substantially the same as the width of the groove in the first jaw.

2,578,507
ORNAMENTAL NECKTIE CLASP
Irving F. Chichester, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application January 27, 1949, Serial No. 73,191
6 Claims. (Cl. 40—140)



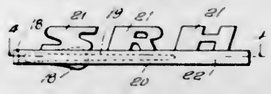
1. A necktie clasp including an elongated tubular front portion to fit over the front of a necktie, said tubular front portion being made from relatively thin metal tubing, a rear clamping member, an arm to one end of which the clamping member is connected having a return bend at its other end terminating in a straight part fitting within and secured to one end portion of the tubular front portion, said straight part closing one end of the tubular front portion and reinforcing the same, said tubular front portion being provided in its top wall with a longitudinal slot extending from its free end, a character element having a lower portion to slidably fit within the tubular front portion adapted to be inserted therein at the free end portion thereof and to hold the character element thereon with its character standing out from the top wall thereof, and means for locking the character element in position on the tubular front portion.

2,578,508
ORNAMENTAL NECKTIE CLASP
Irving F. Chichester, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application January 27, 1949, Serial No. 73,192
2 Claims. (40—140)



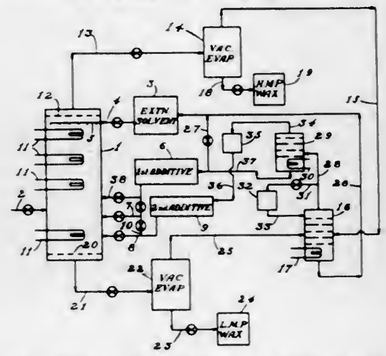
1. A necktie clasp including an elongated tubular front portion to fit over the front of a necktie, a rear clamping member connected with the tubular front portion, said tubular front portion being constructed of metal tubing rectangular shaped in cross section and having relatively thin walls, said tubular front portion having a longitudinal slot in its top wall extending a short distance from one end thereof, that portion of the top wall between said end of the slot and the adjacent end of the tubular front portion being severed on a line forming a continuation of one side edge of said slot, and said top wall portion at one side of the line of severance thereof from the side wall being formed to provide a detent portion adapted to close the adjacent end of the longitudinal slot, and a plurality of character elements of general plate-like form each having a lower part to slidably fit in said longitudinal slot, said lower part having a laterally extending lug extension to slidably fit within said tubular front portion to hold the character element thereon with its character standing out from the top wall thereof, said detent portion having an outer side edge inclined laterally toward the adjacent end of the longitudinal slot, the detent portion being adapted to permit the insertion of the character elements into the slot and to lock the same therein.

2,578,509
ORNAMENTAL NECKTIE CLASP
Irving F. Chichester, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application January 27, 1949, Serial No. 73,193
1 Claim. (Cl. 40—140)



A necktie clasp including an elongated flat front bar to fit over the front of a necktie, a rear clamping member connected with the front bar, a longitudinally extending tubular member on the front side of the front bar of substantially the same length and width as the front bar and substantially concealing the same from view at the front side thereof, said tubular member having a flat back wall fitting against and secured to the front face of said front bar, and said tubular member being provided in its upper side with a longitudinal slot extending throughout the length thereof, a plurality of character elements of general plate-like form to slidably fit in the longitudinal slot of the tubular front member and each having means at its lower end to slidably fit within the tubular front member adapted to be inserted therein from one end thereof and to hold the character elements thereon standing out from the upper side thereof, said tubular front member having tab extensions at either end thereof extending from its back wall adapted to be bent inwardly to close the ends of the tubular front member and secure the character elements thereon.

2,578,510
SOLVENT FRACTIONATION OF WAX-CONTAINING MIXTURES
Edgar W. Clarke, Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 16, 1947, Serial No. 774,230
8 Claims. (Cl. 196—17)

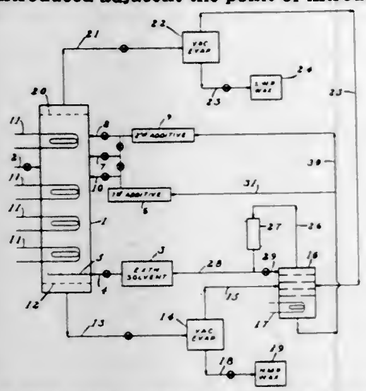


1. The method of separating a wax-containing mixture into fractions of higher and lower melting point, which comprises countercurrently contacting said wax-containing mixture in an extraction zone with an extraction solvent and solvent additives at a temperature such that two immiscible liquid phases are formed, one comprising the higher melting wax fraction containing solvent and additives, and the other comprising solvent and additives and the lower melting wax fraction, separating the phases from one another, and removing the solvent and additives from each, the solvent comprising 1.6 to 2.4 volumes of nitrobenzene per volume of wax-containing mixture, the first additive comprising 0.25 to 0.35 volumes of substantially anhydrous phenol per volume of wax-containing mixture, and the second additive comprising 0.25 to 0.35 volumes of aqueous phenol containing 20% to 30% of water per volume of wax-containing mixture.

2,578,511
SOLVENT FRACTIONATION OF WAX-CONTAINING MIXTURES
Edgar W. Clarke, Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application September 16, 1947, Serial No. 774,230. Divided and this application November 5, 1949, Serial No. 125,725
5 Claims. (Cl. 196—17)

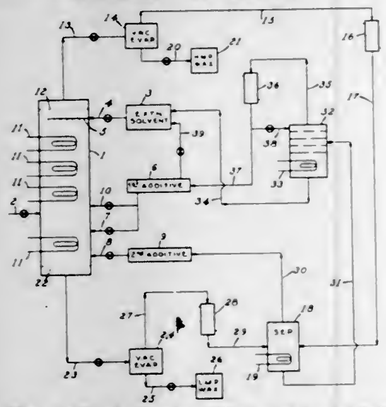
1. The method of separating a wax-containing mixture into fractions of higher and lower melting point, which comprises countercurrently contacting said wax-containing mixture in an extraction zone with an extraction solvent and a solvent additive at a temperature such that two immiscible liquid phases are formed, one comprising the higher melting wax fraction containing solvent and additive, and the other comprising solvent and additive and the lower melting wax fraction, separating the phases from one an-

other, and removing the solvent and additive from each, the solvent being introduced into the extraction zone near the point of withdrawal of the higher melting wax fraction and the additive being introduced adjacent the point of introduction



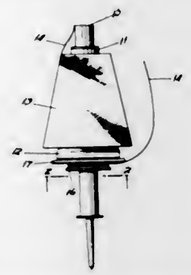
of the wax-containing mixture, the solvent comprising 3.5 to 4.5 volumes of acetone per volume of wax-containing mixture, and the additive comprising 0.3 to 0.5 volume of diethylene glycol per volume of wax-containing mixture.

2,578,512
SOLVENT FRACTIONATION OF WAX-CONTAINING MIXTURES
Edgar W. Clarke, Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application September 16, 1947, Serial No. 774,230. Divided and this application November 5, 1949, Serial No. 125,730
3 Claims. (Cl. 196—17)



1. The method of separating a wax-containing mixture into fractions of higher and lower melting point, which comprises countercurrently contacting said wax-containing mixture in an extraction zone with an extraction solvent and solvent additives at a temperature such that two immiscible liquid phases are formed, one comprising the higher melting wax fraction containing solvent and additives, and the other comprising solvent and additives and the lower melting wax fraction, separating the phases from one another, and removing the solvent and additives from each, the solvent being introduced into the extraction zone near the point of withdrawal of the higher melting wax fraction, the first additive being introduced adjacent the point of introduction of the wax-containing mixture, and the second additive being introduced between the point of introduction of the first additive and the point of withdrawal of the lower melting wax fraction, the solvent comprising 1.8 to 2.2 volumes of nitrobenzene containing a small amount of BB'-dichlordiethyl ether per volume of wax-containing mixture, the first additive comprising 0.15 to 0.25 volume of BB'-dichlordiethyl ether per volume of wax-containing mixture, and the second additive comprising 0.45 to 0.55 volume of a paraffinic hydrocarbon containing from 8 to 18 carbon atoms per volume of wax-containing mixture.

2,578,513
APPARATUS FOR SPINNING AND TWISTING TEXTILE YARNS
John K. Cochran, Conyngham, Pa., assignor to The Duplan Corporation, Hazleton, Pa., a corporation of Delaware
Application March 14, 1949, Serial No. 81,311
4 Claims. (Cl. 57—58)

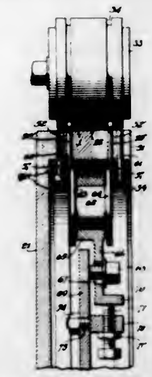


1. Apparatus for spinning and twisting textile yarn comprising a spindle assembly including a yarn storage disc, said disc having a smooth flat edge forming a path for multiple single layer turns of the yarn, said edge having a notch in one portion thereof extending across said path, a channel in said disc extending radially from the center to said edge, said notch being diametrically opposite said channel.

2,578,514
FILM REGISTRATION DEVICE
Oliver Earle Conklin, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 2, 1947, Serial No. 777,472
6 Claims. (Cl. 271—2.3)

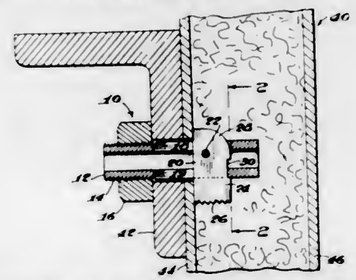
1. A cine film registration device comprising a revoluble wheel having an annular rim which is provided with two straight rows of small round holes uniformly spaced radially about the rim and extending completely through said rim, retractable cylindrical registration pins in each of said holes, means for extending said pins outwardly beyond the surface of said wheel including rolls which are disposed below the two rows of holes, said pins each being pointed at their outer end and having a flat portion near and extending to the other end, a shoulder at the inner end of said flat portion and a flanged head at the said other end which also has a flat portion coterminous with the flat portion on the body of the pins, spaced annular rings which fit under said rim adjacent to the holes, respectively abut the flat portions of said pins, retain the pins in

the holes and coact with said shoulder to limit their downward travel, means for forcing perforated films into contact with the outer surface of the wheel and in register on said pins including a roller which is provided with two spaced an-



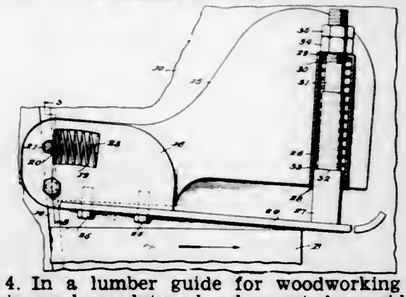
nular grooves which fit over the registration pins as they extend beyond the surface of said wheel and a roller for retracting said pins, which is disposed in the paths of the rows of registration pins.

2,578,515
FASTENING BOLT WITH SWINGING HEAD
Henry H. Crafton, Baden, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 4, 1949, Serial No. 108,483
1 Claim. (Cl. 85—3)



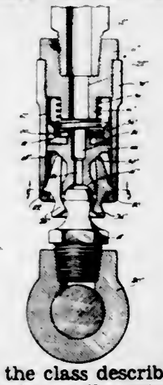
A fastener for securing together a plurality of members, comprising, a bolt threaded at one end and having an axial bore therethrough, the shank of said bolt being radially slotted intermediate the ends thereof, a generally rectangular retaining bar in said slot and pivoted to said bolt on a fixed axis laterally offset from the axis of said bolt, said bar being of a width no greater than and of a length substantially greater than the diameter of said bolt, said axis being so located that said bar may be pivoted thereon to lie entirely within said slot or to project transversely beyond both sides of said bolt, one edge of said bar having a notch defining shoulders engageable with an end of said slot and a side of said bolt when said bar extends transversely of said bolt, said bar being transversely serrated at the end thereof nearest said threaded end of said bolt when said bar lies entirely within said slot, said serrations then extending across said axial bore, one of the corners of the other end of said bar being cut away to define an edge generally concentric to said offset axis.

2,578,516
WORK GUIDE FOR WOODWORKING MACHINES AND THE LIKE
Cecil F. Crow, Klamath Falls, Oreg.
Application April 21, 1950, Serial No. 157,395
5 Claims. (Cl. 144—253)



4. In a lumber guide for woodworking machines, a base plate, a head mounted on said base plate, a pivot bolt connecting the head pivotally with the base plate, said head having a vertical slot therein, a bolt extending through said slot at one end thereof and engaging in said base plate, a coiled compression spring in said slot between said last named bolt and the opposite end wall of the slot, and a leaf spring having one end anchored to said head and extending freely therefrom.

2,578,517
COUPLER FOR LUBRICATING APPARATUS
Ernest W. Davis, River Forest, Ill.
Application July 23, 1947, Serial No. 763,129
15 Claims. (Cl. 285—168)



9. A coupler of the class described, comprising a base having a forwardly extending tubular portion, a sleeve secured to said base and surrounding said tubular portion in spaced relation thereto, an annular piston located between said tubular portion and sleeve, said sleeve having an inwardly directed annular flange at an end remote from said base, jaws located in said sleeve and having ends and intermediate portions, said intermediate portions having flanges cooperating with said first-named flange, said flanges having engaging surfaces substantially normal to the axis of said sleeve to limit outward movement of said jaws relative to said sleeve and to establish a fixed gripping position of said jaws longitudinally of said sleeve and rounded piston-engaging parts, said piston having a frusto-conical part engaging said last-named parts, each jaw having a fitting-engaging end and a second end engaging said tubular portion, and means for making a sealed connection with a lubricant-receiving fitting.

2,578,518

MOLDING COMPOSITION FOR BATTERY CONTAINERS

Charles H. Ditz, Watertown, and Harold A. Hussey, Belmont, Mass., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 26, 1948, Serial No. 29,417
7 Claims. (Cl. 136—166)

1. A molded battery container exhibiting a resistance of at least 100 cycles to the A. S. T. M. Hot and Cold Cycle test, an acid absorption less than 0.15% when a two-inch square specimen of the wall is immersed for 28 days in sulfuric acid (sp. gr. 1.30) at 150° F., a negligible bulge when filled with sulfuric acid (sp. gr. 1.01) and heated at 160° F. for three hours, and an impact strength (Izod) of at least 0.2 ft. lb. per inch of notch, said container comprising a homogeneous mixture of high molecular weight polystyrene with from one-tenth to one-third its weight of a rubbery copolymer containing from 50 to 90% by weight of a butadiene-1,3 hydrocarbon having from 4 to 8 carbon atoms, the remainder of said copolymer being combined copolymerizable material containing a single ethylenic linkage.

2,578,519

TAPE DISPENSER

Clyde W. Double, Crafton, Pa.

Application July 21, 1950, Serial No. 175,055
1 Claim. (Cl. 164—84.5)



An adhesive tape dispenser comprising a shoe having guides to engage the sides of an adhesive tape roll, a pair of spaced transverse bearing surfaces on the shoe to engage the outer perimetral surface of the roll, an upwardly extending surface on said shoe positioned between said spaced transverse bearing surfaces for receiving the adhesive side of the tape on the roll, a second upwardly extending surface on said shoe in spaced relation to the first extending surface, a transverse lip on said second upwardly extending surface to receive the adhesive side of the tape, and a cutting bar on said lip, the end of the tape when not in use passing off the roll with the adhesive side lying against the first upwardly extending surface and on said lip and bridging therebetween to hold the shoe on the roll and the tape in readiness for dispensing.

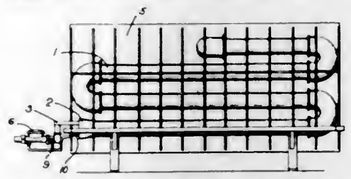
2,578,520

METHOD AND APPARATUS FOR HEATING BY THE LAMINAR COMBUSTION OF GAS IN THE INTERIOR OF DULL RADIATION TUBES

Roger Duchêne, Paris, France, assignor to Gaz de France, Ex Compagnie du Gaz de Paris, Paris, France

Application June 21, 1947, Serial No. 756,176
In France February 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 8, 1965
4 Claims. (Cl. 126—91)

1. A radiant heating device comprising an elongated horizontal tubular member having a comparatively high heat radiating characteristic and having an inlet end and an outlet end, means for supplying a low pressure gaseous fuel of a lighter density than air; and a gas burner connection with said gas supply means having a nozzle of a cross-section substantially corresponding in shape and size to the cross-section of the upper portion of said tubular member, disposed within said inlet end immediately adjacent the



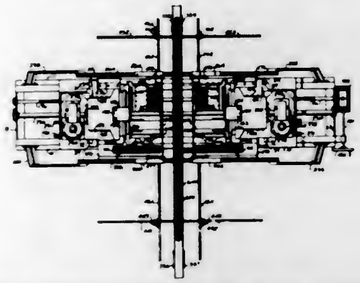
top portion thereof, the remainder of the inlet end not occupied by said burner being open to admit air, said air being drawn into the tubular member solely by the natural draft suction created therein, a laminar division between combustible gas and air being obtained, resulting from their density differences, whereby a smooth and non-turbulent flame is formed the entire length of said tubular member along the inside surface thereof.

2,578,521

DOVETAILING MACHINE

William A. Early, Lenoir, N. C., assignor of one-third to Kent-Coffey Manufacturing Company, Lenoir, and one-third to Drexel Furniture Company, Drexel, N. C., both corporations of Delaware

Application December 30, 1946, Serial No. 719,243
18 Claims. (Cl. 144—87)



1. In a dovetailing machine having a conveyor for conveying workpieces through the machine in step-by-step relation and having means for automatically clamping the workpieces in position while in a position of rest and having an upper cutting bit assembly and a lower cutting bit assembly mounted adjacent each side of the conveyor and each of the cutting bit assemblies having a plurality of cutting bits therein, and having means automatically moving the cutting bits of at least one of the lower cutting bit assemblies into engagement with one of the ends of the work pieces while the work pieces are in a position of rest comprising; a plate mounted adjacent each side of the conveyor for to and fro movement on the machine and on which the lower cutting bit assemblies are fixedly mounted, each of said plates having an opening therein, a rotatable shaft loosely penetrating said opening, cam means on the shaft for engaging the walls of said opening and means for transmitting intermittent rotation to the shaft in timed relation to movement of the conveyor whereby upon rotation of the shaft, the cam means will cause the plate and the corresponding cutting bit assemblies to move inwardly and outwardly with respect to the conveyor for cutting grooves in the ends of the workpieces.

2,578,522

PROCESS OF PREPARING UNSUPPORTED FILMS OF POLYTETRAFLUOROETHYLENE

Donald Edwards Edgar, Westport, Conn., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 8, 1949, Serial No. 97,929
6 Claims. (Cl. 18—47.5)

1. A method of preparing unsupported films which comprises adding a coagulant to an aqueous suspensoid of polytetrafluorethylene, rapidly mixing the aqueous suspensoid and the coagulant to form soft curds, separating these curds from the water and coagulant, and passing these curd-like masses between and in contact with pressure rolls at a temperature below the fusion point of polytetrafluoroethylene.

2,578,523

POLYTETRAFLUOROETHYLENE PACKING MATERIAL AND PROCESS FOR MAKING SAME

Walter E. Llewellyn, Nutley, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 30, 1950, Serial No. 171,537
7 Claims. (Cl. 18—55)

1. A process for the manufacture of a packing and gasket material which comprises passing particles of unsintered polytetrafluoroethylene between milling rolls a plurality of times, and repeatedly rerolling the resultant compacted mass until the polytetrafluoroethylene changes its physical appearance and assumes the form of matted shreds, flakes, or strands of the polymer, said mat being made up of unsintered polytetrafluoroethylene which is tough and resilient and suitable for use as a gasket material.

2,578,524

DRAWING BOARD, BOOK, OR LIKE

Kurt Eric Allan Ericson, Lerum, Sweden

Application January 28, 1949, Serial No. 73,387
In Sweden February 7, 1947
4 Claims. (Cl. 33—76)



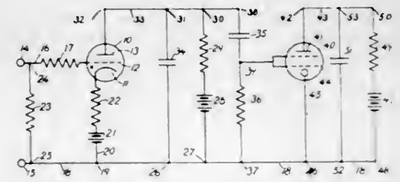
1. A rule guiding device of the class described including in combination, a bar having an angularly disposed looped guide flange provided with spaced arms, a rule, a slidable block connected to the rule, said block having a transverse groove in the underside thereof for receiving said guide flange so that the spaced arms frictionally engage the opposed walls of the groove, a displaceable brake member loosely and independently mounted on the block and arranged to releasably engage an arm of said flange, an operating lever pivotally mounted on the block and engaging one side of said brake member so as to move the opposite side thereof into frictional engagement with an arm of said flange in order to prevent transverse movement of the block and rule relative to said bar, and yieldable means normally urging said operating lever in one direction that locks the block to the bar, said lever being manually movable in an opposite direction for releasing the engagement of the brake member with the guide flange so as to allow the block and rule to be moved transversely relative to said bar.

2,578,525

ELECTRONIC CONTROL

Lowell H. Erickson, Denver, Colo., assignor to Marcellus S. Merrill, Denver, Colo.

Application February 6, 1946, Serial No. 645,920
5 Claims. (Cl. 250—27)



1. An apparatus for providing large output voltage pulsations in synchronized response to a much smaller alternating input signal, comprising a thyratron having an anode, a cathode, and a control grid, the thyratron having a predetermined zero signal breakdown voltage and a predetermined zero signal minimum discharge current; a voltage supply developing less voltage than the zero signal breakdown voltage; an output circuit including an output resistor connecting the voltage supply in series with the anode-cathode discharge path of the thyratron, the resistor being large enough to limit the thyratron discharge current to a value less than the zero signal minimum discharge current; and an input circuit to impress the alternating input signal between the grid and the cathode, the more positive portion of the input signal initiating the discharge in the thyratron and the more negative portion extinguishing the discharge.

2,578,526

PYRROLIDINE COMPOUNDS AND METHOD FOR PREPARING SAME

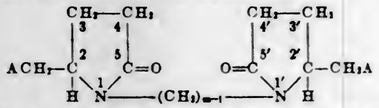
George Lyman Evans, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 16, 1948, Serial No. 65,743
16 Claims. (Cl. 260—326.3)

1. A process for obtaining pyrrolidine compounds which comprises heating at a temperature of from 100° C. to 250° C. one molar proportion of a diprimary diamine with two molar proportions of a monounsaturated carboxylic acid of the formula AR^2COOH in which R^2 consists of a chain of four carbon atoms containing as the only carbon-to-carbon unsaturation a single ethylenic double bond situated in one of the positions beta and gamma to the carboxyl group, said carbon atoms having their valences satisfied only by members selected from the group consisting of hydrogen and hydrocarbon radicals, and in which A is a group selected from the class consisting of carboxyl groups and neutral groups which upon hydrolysis is converted to a carboxyl group

without the formation of additional acidic products.

5. A compound having the formula



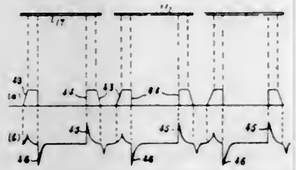
in which m is an integer of from 1 to 16 and A is a group selected from the class consisting of carboxyl groups and neutral groups which upon hydrolysis are converted to carboxyl groups without the formation of acidic products.

2,578,527

ELECTRIC PULSE SIGNALING SYSTEM

Leslie Ivan Farren and Norman Edwin Head, Sudbury, Wembley, and Maurice Moise Levy, Earls Court, England, assignors to The General Electric Company, Limitcd, London, England

Application February 3, 1949, Serial No. 74,396
In Great Britain February 4, 1948
11 Claims. (Cl. 332—13)



1. Apparatus for modulating pulses in time comprising a cathode ray tube, means to generate a cathode ray beam, a plurality of elongated regions, means for deflecting the cathode ray beam in a zig-zag track crossing each of said regions at an acute angle to the longitudinal center line of such regions, means for applying modulating signals to deflect said track transversely with respect to the median line thereof to vary the position along the center line of each said region at which the said track crosses it and means to derive time-modulated pulses in response to traversals of edges of said region by said beam.

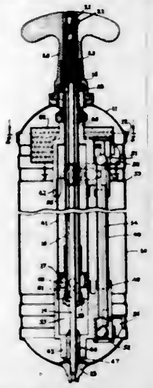
2,578,528

FIRE EXTINGUISHER

George E. Ferguson, Spring Valley, N. Y., and Frederick A. Dodelin, Glen Ridge, N. J., assignors to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware

Application October 15, 1946, Serial No. 703,354
5 Claims. (Cl. 169—33)

1. In a fire extinguisher comprising a closed body having a discharge orifice at one end and an opening at the other end in axial alinement with said orifice, a discharge tube extending from said orifice to and through said opening to a point exterior of said body, a pump having a cylinder within said body surrounding said discharge tube, a piston tube passing through said opening and extending into said cylinder around said discharge tube, said piston tube carrying a piston within said cylinder and having an operating handle exterior of said body, and a lock plate on said body for normally holding said handle inactive, the combination of a plurality of disc-like sealing members carried by said handle and formed at least in part of a polyvinyl acetate-chloride resin containing a plasticizer and fillers which are inert to the fire extinguishing liquid, said plasticizer being tricresyl phosphate and being present to the extent of about half the weight of the copolymer said sealing members being arranged to render said body vapor-



tight when said handle is held by said lock plate, one of said members being perforated to fit snugly about said piston tube.

2,578,529

FIRE EXTINGUISHER

George Ennis Ferguson, Spring Valley, N. Y., and Frederick A. Dodelin, Glen Ridge, N. J., assignors to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware

Application September 19, 1947, Serial No. 775,028
16 Claims. (Cl. 169—30)



1. A fire extinguisher comprising a closed body containing a halogenated hydrocarbon fire extinguishing liquid, said liquid filling said body to a predetermined level with a vapor space above it, means for discharging said liquid, and means for retaining a dehydrating agent in solid form within said body partly below and partly above said liquid level for removing moisture from the liquid and vapors.

2,578,530

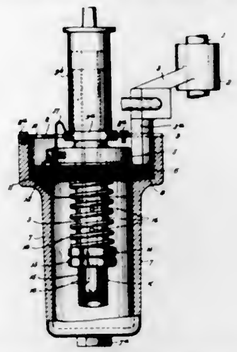
SPINDLE FOR TEXTILE MACHINERY

Eric Findlow, Macclesfield, England, assignor to Ernest Scragg & Sons Limited, Macclesfield, England

Application August 2, 1950, Serial No. 177,144
In Great Britain August 11, 1949
3 Claims. (Cl. 57—134)

1. A spindle mounting for textile machinery comprising a support, a bolster carried by and

extending below the support, a cup-shaped member detachably held on the support and enclosing that part of the bolster below the support, a mouth carried by said cup-shaped member in



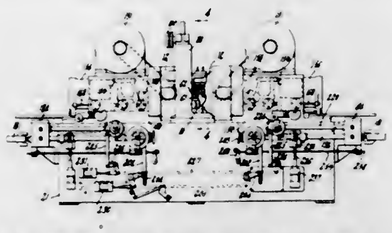
encircling relation to and extending above said support, and a detachable cover plate on said mouth of the cup-shaped member, above the said support.

2,578,531

MACHINE FOR GRINDING IMPELLER BUCKET SHANKS

Ernest V. Flanders and Carroll H. Drury, Springfield, Vt., assignors to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont

Application August 14, 1948, Serial No. 44,296
15 Claims. (Cl. 51—84)



1. A grinding machine comprising a pair of grinding wheels arranged with active edge portions spaced apart, a work support for supporting work with a portion in said space, said work support having a platform and a pair of angularly related faces above said platform, a work holder having a base and wall portions and means for clamping a work piece therein in fixed relation to said base and wall portions, means for clamping said work holder against said angularly related faces, and means for clamping said work holder against said platform.

2,578,532

FISH LURE

Clarence P. Forsberg, Brainerd, Minn.

Application September 7, 1950, Serial No. 183,599
1 Claim. (Cl. 43—42.48)

In a device of the class described, a generally elongated plug-type body having substantially parallel side-forming surfaces which extend from the front to the rear end thereof, a substantially flat arcuate top surface on said body, a bottom surface portion on the front end of said body which converges with respect to said top surface and therewith defines a forwardly-tapering head, a bottom surface portion on said body rearwardly of said head concentric with the top surface thereof, longitudinally-extended bevelled portions connecting the bottom and side-forming



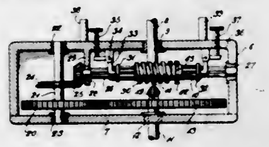
portions and extending intermediate the head and the rear end of said body, and line attachment means on the arcuate upper surface of said body intermediate the front and rear end portions of said head.

2,578,533

TORQUE LIMITER

Thomas F. Garrahan, Jr., Washington, D. C.

Application March 31, 1950, Serial No. 153,090
6 Claims. (Cl. 74—411)



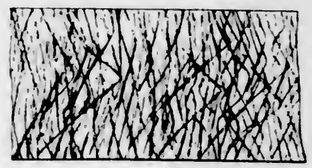
1. Apparatus for limiting the torque transmitted from a source of power to a driven member comprising a resilient element connecting said power source to said driven member, said resilient element being stressed to exert the desired limited torque on said driven member and constituting the sole effective driving connection from said power source to said driven member, a gear directly connected to said power source, and gearing connecting said driven member to said gear, said gearing being of the type that is self-locking in one direction to prevent transmission of torque therethrough from said power source to said driven member and whereby said power source is permitted to maintain stress in said resilient element during movement of said driven member.

2,578,534

SEPARATOR FOR ELECTRIC STORAGE BATTERIES

Jeremiah D. Giles, Litchfield, Conn., and Roy J. Scott, Beverly Hills, Calif., assignors, by mesne assignments, to Tilo Roofing Company, Inc., a corporation of Delaware

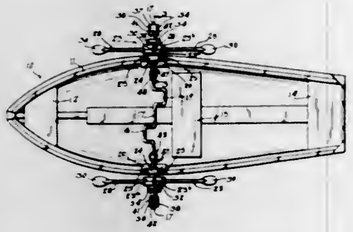
Original application January 6, 1945, Serial No. 571,688. Divided and this application August 20, 1949, Serial No. 111,544
5 Claims. (Cl. 136—146)



4. A bonded sheet of interlocked glass fibers, such sheet being of a size adapted for use as a

battery separator member and having its fibers bonded together with a substantially water-insoluble organic plastic material of the type used for bonding glass fibers in an amount equal to between 5% and 70% by weight of the entire sheet and having a majority of such fibers crossing each other in generally diagonal directions but positioned more nearly parallel to one main axis of the sheet than to the other axis to give the sheet an appreciable "grain."

2,578,535
MANUALLY OPERATED ROTOR OAR FOR BOATS
Anthony Graci, Bronx, N. Y.
Application June 11, 1949, Serial No. 99,559
13 Claims. (Cl. 115—23)



1. A manually operable propulsion and steering mechanism for a boat having a seat for a person to operate said mechanism, said mechanism comprising a transverse shaft, bearings for securement to the boat at opposite sides thereof and supporting said shaft to be moved axially, the shaft having near the middle point of its length a pair of crank portions oppositely offset from the general line of extension of the main portions of the shaft, said crank portions spaced in the direction of length of the shaft for grasp of each crank portion by a different hand of the person, a pair of propulsion instrumentalities each incorporating a hub-structure and a plurality of outwardly radiating oars carrying paddle formations at their outer ends, each of said instrumentalities being at a different one of the two sides of the boat and outboard relative thereto, a pair of clutches each having the two complementary members thereof on said shaft outboard relative to the hub-structure at that side of the boat, in each clutch the inner one of said members being fixed relative to the adjacent hub-structure, means rotatively connecting the outer member of each clutch to the shaft for rotation therewith and also for endwise movement with said shaft relative to its respective inner clutch member, and a plurality of springs for normally maintaining the members of both clutches in engagement to render both clutches normally effective, said shaft being axially movable for disabling the clutch at the starboard or port side of the boat and at the same time permitting the clutch at the other side of the boat to remain effective.

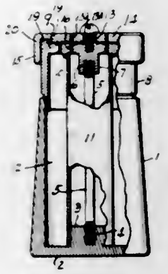
2,578,536
EMETINE PENICILLIN
Alphonse P. Granatek, Syracuse, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application December 8, 1949, Serial No. 131,927
2 Claims. (Cl. 260—239.1)

1. A salt of penicillin and emetine.

2,578,537
AMINE SALT OF PENICILLIN
Alphonse P. Granatek, Syracuse, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application December 8, 1949, Serial No. 131,928
2 Claims. (Cl. 260—239.1)

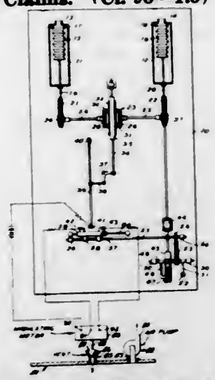
1. A salt of penicillin and orthobenzylphenol dimethylaminoethyl ether.

2,578,538
COMBINATION SALT AND PEPPER SHAKER WITH CONCENTRICALLY ARRANGED COMPARTMENTS
Robert C. Gray, Portland, Oreg.
Application August 7, 1946, Serial No. 688,821
1 Claim. (Cl. 222—142.5)



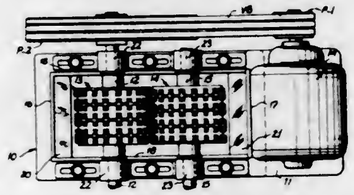
A condiment dispenser comprising in combination, a hollow cylindrical body member closed at its bottom end by an integrally formed bottom wall having a centrally disposed upwardly extending boss formed thereon, said boss having an internally threaded vertical bore formed therein, a cylindrical cap closed at one of its ends and reduced in outside diameter at its opposite open end for a forced fit within the upper end of said cylindrical body member, a boss formed integral with and depending from the under side of said closed end of the cap, an upwardly extending boss formed on the top side of said closed end of the cap, each boss having an internally threaded vertical bore formed therein, a concentric retaining ring formed on the underside of said closed end of said cap, apertures formed through said closed end of the cap, an apertured disc having a central opening formed therein by which said disc is rotatably mounted upon the closed end of the cap and about said last mentioned upwardly extending boss, a retaining screw secured within said internally threaded vertical bore in said upwardly extending boss for maintaining said disc in operative engagement with the closed end of said cap, a downwardly extending peripheral flange formed integral with said disc and surrounding said cylindrical cap, a cylinder of greater length than said cylindrical body member and having its lowermost end engaged with said boss formed on said bottom wall of said cylindrical body member and its opposite or upper end engaged within said retaining ring, a shaft threaded at both of its ends and engaged with the threaded bore in said depending boss and with the threaded bore in the boss on said bottom wall of said body member whereby said cap may be advanced on the threads on one end of said shaft for firmly engaging the cap with the cylindrical body member and said cylinder with said retaining ring and with the bottom wall of said cylindrical body member.

2,578,539
AIRCRAFT CABIN PRESSURIZING
Robert N. Green, New York, N. Y.
Application October 1, 1947, Serial No. 777,170
9 Claims. (Cl. 98—1.5)



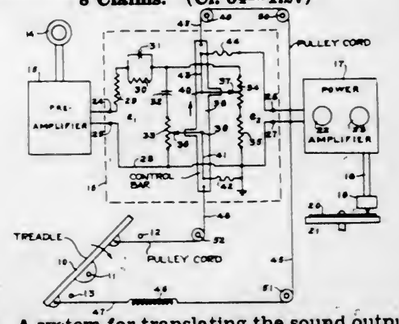
1. A device for controlling an aircraft cabin pressurizing system which comprises complementary switch elements for controlling a cabin pressure regulating device, an element responsive solely to variations in cabin pressure, an element responsive solely to variations in external pressure, means for combining said responses to give a resultant response, means for moving one of said switch elements in accordance with said resultant response, and means actuated by variations in external pressure for moving the other of said switch elements in relation to said one switch element.

2,578,540
PAIRED-ROLL CRUSHERS WITH PERIPHERAL SIZING POCKETS ON EACH ROLL
Theodore J. Gundlach, Belleville, Ill.
Application September 16, 1949, Serial No. 116,118
6 Claims. (Cl. 241—236)



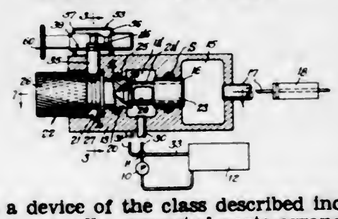
1. In a rotary reducing and sizing device for coal or the like, a pair of adjacent coacting rolls, each of said rolls including on its outer surface a series of spaced, circumferential depthwise tapered, continuous ribs, a plurality of spaced cross bars extended laterally on each rib, each rib and the connected cross bars being axially spaced from the adjacent ribs and bars, the two rolls having similar formations of ribs and bars and being so mounted and operatively interconnected that the ribs of one roll intervene the ribs of the other roll, and the cross bars of each roll are presented, at any given time in the crushing zone, between the cross bars of the opposite roll, the ribs and cross bars of the paired rolls coacting in the zone between the rolls to provide therein substantially wide, coal-sizing pockets, each fully laterally bounded and proportioned to the size of coal to be delivered from the rolls.

2,578,541
AUTOMATIC FREQUENCY CORRECTED TRANSMISSION SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application February 9, 1949, Serial No. 75,403
8 Claims. (Cl. 84—1.27)



1. A system for translating the sound output of a musical instrument having mechanical volume control means and manual actuating mechanism therefor, comprising a sound pickup microphone disposed to respond to the sound from said instrument as affected by said volume control means, a translating device responsive to electrical energy from said microphone, and a transmission channel interconnecting said microphone and said translating device, said transmission channel including an electrical network having variable frequency transmission characteristics, and means controlled by said manual actuating mechanism to vary the frequency transmission characteristics of said network as a function of the volume control introduced by said mechanical volume control means.

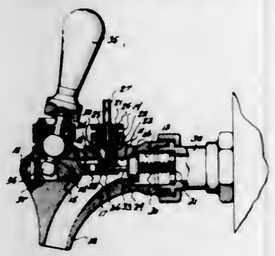
2,578,542
FLUID LINE COUPLING FOR HYDRAULIC CONTROL SYSTEMS
Paul L. Hanson and Edward H. Fletcher, Waterloo, Iowa, assignors to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application February 27, 1948, Serial No. 11,504
15 Claims. (Cl. 285—96.3)



1. In a device of the class described including a pair of normally connected parts arranged for separation by movement of one part in a direction away from the other, the improvement residing in controllable detent means normally operable to hold the parts against separation except in the event of the application to one part of a separating force and releasable to provide for separation of the parts by force less than a separating force, said detent means comprising: a detent for one part; means providing a detent-receiving pocket in the other part; means carrying the detent on said one part for movement back and forth into and out of the pocket along a path at an angle to the direction of separation of the parts; spring means carried by one part and engaging the detent; and an operating member carried by one part for move-

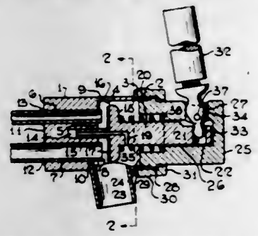
ment back and forth thereon between first and second positions and engageable in one position thereof with the spring means to tension the latter in one direction to urge the detent into the pocket, and in its other position disengageable from the spring means to relieve the aforesaid tension thereon to provide for return of the detent out of the pocket.

2,578,543
DISPENSING FAUCET
Herman H. Harr, Verona, N. J.
Application June 24, 1948, Serial No. 34,899
4 Claims. (Cl. 277—8)



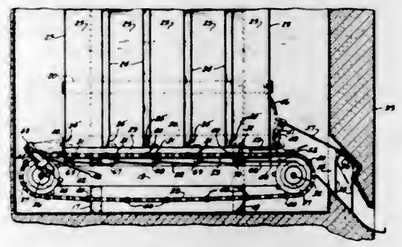
1. A dispensing faucet comprising a faucet body having a longitudinal chamber and a discharge spout leading therefrom, said faucet chamber terminating at its inner end in a valve chamber defining an intermediate valve seat, said valve chamber having a rearwardly open end for admission of one liquid to the faucet, a valve head cooperative with said valve seat for control of admission of said one liquid longitudinally into the faucet chamber, said faucet chamber having a side entering intake means for a second liquid which is spaced outwardly beyond said first liquid admission means, a valve piece axially aligned with the valve head and longitudinally movable in the faucet chamber, said valve piece having a slide valve section movable across the side entering intake means in slidable contact therewith, said slide valve section having a transverse valve port cooperative with the side entering intake means for the control of admission of the second liquid into the faucet chamber, said slide valve section being aligned with and opposed to the valve head, a lost motion connection between the slide valve section and the valve head and means for actuating the valve piece and its slide valve section and the valve head by the latter.

2,578,544
MULTIPLE LIQUID DISPENSING VALVE
Jesse Harr, South Orange, N. J.
Application July 10, 1948, Serial No. 37,997
1 Claim. (Cl. 251—134)



In a dispensing valve for several fluids comprising a body portion having an inner face provided with multiple inlet fluid openings disposed through said face and over which face a flat valve is disposed, and an open hollow housing projecting from said body portion, the improvement comprising a centrally disposed well projecting from said face into said body, a guide pin having a free end and another end fitting and sliding in said well, the flat valve being centrally mounted on the free end of said pin, said multiple inlet fluid openings being disposed around said well, serving to lead fluids into said housing, which openings are closed off when the valve slides and seats against said openings, a centrally disposed stem projecting from said valve and oppositely disposed to said pin, a bonnet fitting over and covering the housing opening and having a centrally disposed well for accommodating said projecting valve stem and having an inner shoulder around said valve stem and facing said valve, removable holding means for holding said bonnet tightly to said housing, a coil spring disposed around said valve stem and imposing a thrust against said bonnet shoulder and said valve, thus tending to keep the valve in closed position, pulling means for pulling on the end of stem to enable opening of the valve, an outlet opening disposed in the side of said housing adjacent said face for egress of fluids dispensed, and straight tubes inserted through said fluid openings and projecting from the facing, providing adequate seating over the projecting ends thereof, the other ends of said tubes projecting from the body for a sufficient distance to enable coupling with fluid feed lines.

2,578,545
VENDING MACHINE
Gordon W. Haase and Lloyd D. Merkl, Appleton, Wis.; said Merkl assignor to said Haase
Application May 7, 1948, Serial No. 25,588
10 Claims. (Cl. 312—63)

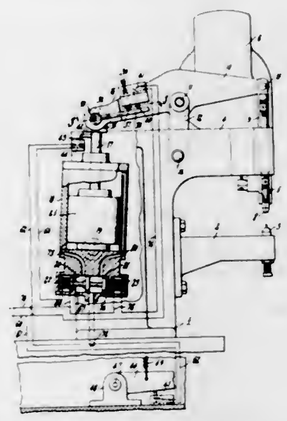


1. In a vending machine having a delivery opening, an open bottomed magazine having compartments for at least two spaced stacks of packages, said stacks being positioned in line one behind the other, an undulous plate spaced below said magazine and extending horizontally forward toward said delivery opening, said plate being positioned to support said stacks and having at least one downwardly inclined surface portion, the major part of which is below one of said stacks and the forward end of which is overlapped by the stack ahead, and an endless discharge conveyor having portions movable along said plate and below said magazine toward said discharge opening.

3. In a vending machine having a delivery opening, an open bottomed magazine in which packages are adapted to be stacked, a horizontally extending endless conveyor movable below said stack toward said delivery opening for successively moving packages thereto, an electric motor for moving said conveyor, a pair of rotatable cams driven by said motor, at least one normally closed door at said delivery opening, an electrical circuit for said motor, said circuit including a coin-operated switch for starting said motor and including a second switch, said second switch being positioned for engagement by one of said cams during rotation thereof to stop said motor, and means actuated by the other of said cams for opening said door.

4. In a vending machine having a delivery opening near the forward end thereof, an open bottomed magazine in which substantially rectangular boxes are adapted to be stacked, said magazine having substantially vertically extending members for slidably engaging the front, rear and side surfaces of said boxes, the member engaging the rear surface of said boxes terminating at its lower end in a portion which slopes rearwardly away from said stack of boxes, and a horizontally extending endless conveyor movable below said stack toward said delivery opening for successively moving boxes thereto.

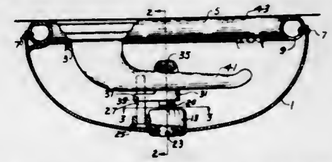
2,578,546
RIVETING AND LIKE MACHINES WITH PRESSURE LIMITING MECHANISM
Arthur R. Havener, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass., a corporation of Massachusetts
Application December 28, 1948, Serial No. 67,705
2 Claims. (Cl. 121—38)



1. In a machine of the class described, parts comprising a movable member, and power means for moving said member, operative connections between said parts including a rockable element carried by one of said parts and means for applying pressure eccentrically to said element, yielding means opposing turning of said element, and means responsive to said turning for reversing said power means.

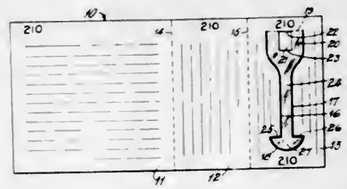
2,578,547
FOIL FOR DOOR HANDLES
Henry M. Hilger, Fort Wayne, Ind.
Application January 8, 1947, Serial No. 720,712
18 Claims. (Cl. 74—566)

4. In a foil for a door handle, the combination of a dished shield open on one side and adapted to enclose the handle, a driving member mounted for rotation on the shield, a hook member mounted on said driving member and adapted to be moved toward and from the handle upon rotation



of the driving member, to draw said shield toward or release it from contact with the door.

2,578,548
DIE-CUT CARD
George B. Histed, Rochester, N. Y.
Application April 5, 1950, Serial No. 154,038
3 Claims. (Cl. 40—21)



1. A card including a body portion and a loop-forming elongated tab die-cut from said body portion except across one end, and interengaging means at the ends of said tab whereby the said ends are detachably held in self-locking engagement.

2,578,549
POWER-DRIVEN CLOTHES-CLEANING BRUSH
Robert O. Hooban, Coeur d'Alene, Idaho
Application July 26, 1948, Serial No. 40,692
2 Claims. (Cl. 15—344)



1. A device of the character described comprising a substantially cylindrical housing having an inlet opening along the side and an outlet opening diametrically opposite the inlet opening, said housing having a portion thereof adjoining one side of the outlet opening raised from the cylindrical outline of the housing, a combined brush and fan unit in said housing having alternate bristles and fan blades thereon, a bearing block in one end of the housing, a shaft on said unit seated in the bearing block, a handle removably fixed to the other end of the housing, having a motor therein with its shaft extending into and drivingly connected to said

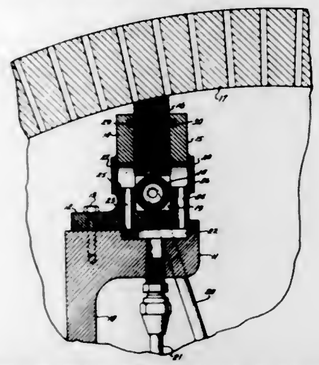
unit, and a dust bag on said housing having an inlet opening removably mounted on the outlet opening, the bristles and fan blades being helically arranged on the brush unit to direct air toward the handle end of the housing and the dust bag having a non-porous plate at the handle end to prevent air flow toward the handle from the bag.

2,578,550
MULTIFLUID HEAT EXCHANGER
Sven Holm and Per Hilmer Karlsson, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.
Application January 25, 1946, Serial No. 643,331
3 Claims. (Cl. 257—246)



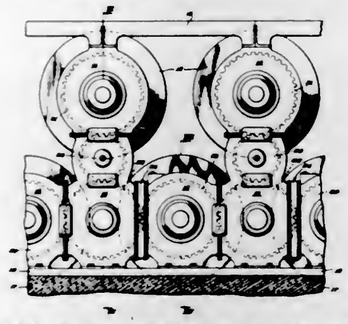
1. Heat exchange apparatus particularly for gaseous media, comprising means forming a first group of three concentric passages; means forming another group of three concentric passages similar in size to those of the first group; supply and discharge conduits for a first fluid permanently connected to the inlet and outlet ends of the central passages of the several groups for continuously circulating said first fluid through said central passages; supply and discharge conduits for second and third fluids; piping connecting the supply and discharge conduits for said second and third fluids to the inlet and outlet ends of the outer and inner passages of the three concentric passages in both of said groups; and control valves in said piping located between each inlet and each outlet for said inner and said outer passages of the several groups and both the supply and discharge conduits for said second and third fluids operable to circulate said second fluid through the outer passage of said first group and the inner passage of said other group in heat transfer relationship in both groups with said first fluid in the central passages thereof while said third fluid flows through the inner passage of said first group and the outer passages of said other group and alternately to circulate said second fluid through the inner passage of said first group and the outer passage in said other group while the third fluid flows through the outer passage of said first group and the inner passage of said other group in continuing heat transfer relationship with said first fluid in the central passages in both groups so that in each cycle of operation the same overall heat transfer relation is maintained between the fluids flowing in said inner and outer passages of the several groups and the fluid flowing in said central passages.

2,578,551
SUCTION ROLL SEAL ASSEMBLY
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application March 5, 1948, Serial No. 13,201
5 Claims. (Cl. 92—53)



3. A sealing strip assembly for a suction roll having a rotatably disposed suction drum comprising a demountable mounting block for attachment to a suction gland of a suction roll, said block having a longitudinally extending slot, a sealing strip slidably mounted in said slot, an expansible tube in the bottom of said slot for urging the sealing strip outwardly from the slot to resilient contact with said drum, said block having passage means for supplying water to the opposite sides of said strip within said slot for lubricating the movement of the strip in the slot, and sealing means resiliently interposed between and in extended surface engagement with said block and said strip adjacent the outer end of said slot for preventing the leakage of water therefrom.

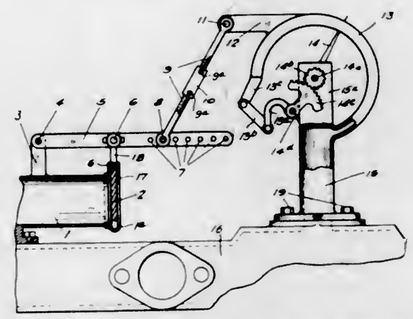
2,578,552
DRIER SECTION FOR PAPER MACHINES
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application October 6, 1948, Serial No. 53,043
10 Claims. (Cl. 34—121)



1. A drier section comprising, in combination, a row of bottom drier drums in spaced side-by-side relation, a row of top drier drums overlying the spaces between said bottom drums, a plurality of bottom gear casings for supporting said bottom drier drums, a plurality of intermediate gear casings for supporting said top drier drums, means firmly anchoring said bottom gear

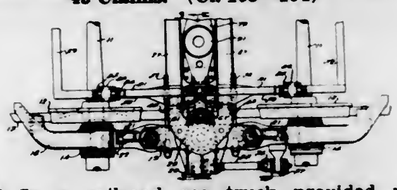
casings and said intermediate casings with a space between each intermediate casing and one adjacent bottom casing, and an expansion joint surrounding each of said spaces and anchored to the adjacent casings, said expansion joints being constructed to accommodate longitudinal expansion and contraction of said drier section and to seal the casings in full communicating relation.

2,578,553
THERMOSTATIC AIR CONTROL DEVICE FOR CARBURETORS
George E. Ingram, Chicago, Ill.
Application February 21, 1949, Serial No. 77,665
6 Claims. (Cl. 123—119)



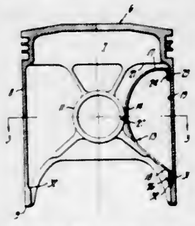
1. An automatic temperature responsive choke control for the inlet valve of a carburetor of an internal combustion engine having an inlet manifold comprising a lever fulcrumed upon a fixed support and in operative connection with the carburetor inlet valve, an expansible thermostat element in communication with the engine manifold, a link extending from the thermostat element toward the lever, and means for pivotally interconnecting the link to the lever to transmit movement therethrough to the air inlet valve in response to expansion of the thermostat element.

2,578,554
RAILWAY PASSENGER CAR TRUCK
Robert N. Janeway, Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 2, 1943, Serial No. 496,998
43 Claims. (Cl. 105—194)



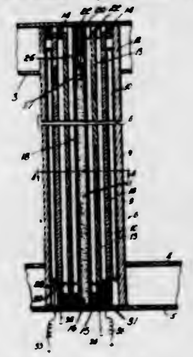
43. In a railroad car truck provided with equalizer units at opposite sides and provided with journal bearing receiving portions at the opposite ends thereof, wheel and axle units having journal bearings mounted in the journal bearing receiving portions, the equalizer units and journal bearings being movable together; a load carrying transom frame yieldingly supported on the equalizer units and free of association with the journal bearings except through the equalizer units; transversely disposed tie means having portions yieldingly secured to portions of the transom frame disposed between the equalizer frames, said tie means having other portions pivotally secured to the equalizer units; vertically movable, longitudinally extending, tie means pivotally secured at one side of the truck between an intermediate portion of the transom frame and a portion of one of the equalizer units intermediate the ends thereof whereby substantial rotative movement between the transom frame and the equalizer unit is prevented and a predetermined amount of relative movement in a vertical direction between the frame and the equalizer unit is permitted.

2,578,555
PISTON EXPANDER
Charles F. Johnston, Oakland, Calif.
Application September 22, 1948, Serial No. 50,500
4 Claims. (Cl. 309—12)



1. A piston expander comprising, a pair of transversely spaced substantially parallel and coterminous spring arches having their adjacent longitudinal extremities joined in common end portions and being adapted for longitudinal insertion into the open end of a piston skirt to locate said end portions adjacent the inner and outer ends of said skirt, each of said end portions having a foot inclined from the curvature of the arches so as to lie substantially in a chordal plane intersecting the longitudinal extremities of said arches, said foot at the inner end portion being inturned in the direction of said arches and the foot at the outer of said end portions being out-turned in the direction away from said arches.

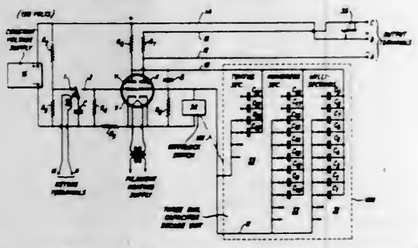
2,578,556
SAFETY EQUIPMENT FOR JAILS, BANKS, AND THE LIKE
Greenhow Johnston, Richmond, Va.
Application January 30, 1946, Serial No. 644,381
13 Claims. (Cl. 109—42)



13. Safety equipment of the class described including a safety bar adapted to contain a

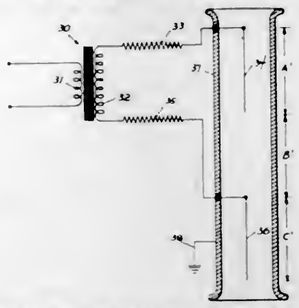
charge of explosive and comprising a fixed outer tubular shell having thick and thin portions, an inner rotary tubular member having thick and thin portions, said thick and thin portions extending substantially throughout the length of the shell and the tubular member, and the thin portions of the tubular member facing the thin portions of said shell for directing the explosion of the explosive charge through said thin portions and said thick portions of the tubular member and said shell providing protective areas throughout the length of the safety bar, and means responsive to movement of the tubular member for exploding said charge of explosive material.

2,578,557
ELECTRIC TIMING DEVICE
Louis A. King, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 25, 1946, Serial No. 643,362
3 Claims. (Cl. 250—27)



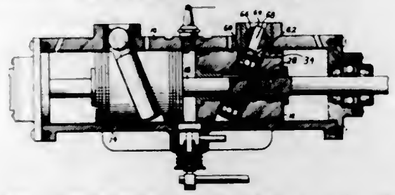
1. An electrical timing system comprising first and second electric tube electrode structures each having an anode, and a grid, cathode means for supplying electrons to said structures, a source of unidirectional current supply, a resistor connecting the anode of said first electrode structure to the positive terminal of said source, a resistor of considerably lower value than said first resistor connecting the anode of said second structure to said positive terminal, a common cathode resistor for said electrode structures connected between the negative terminal of said source and said cathode means, a resistor connected between the grid of said first tube and that end of said common cathode resistor farthest removed from said cathode means, a resistor connected between the grid of said second tube and the other end of said common cathode resistor, a switch having an armature and a pair of contacts, a connection from one of said contacts to said source, a connection from the other contact to the grid of said first structure, a condenser connecting the armature of said switch to a point on said common cathode resistor removed from said cathode means, whereby said second structure conducts and biases said first structure to cut-off when said armature engages said one contact, and the current passing conditions of said structures are reversed at least momentarily when said armature engages said other contact, a capacitor decade unit connected between the anode of said first electrode structure and the grid of said second electrode structure, said decade unit comprising three groups of condensers each of which has a dial in circuit therewith, the condensers in one group being calibrated in tenths of a second, the condensers in the second group being calibrated in hundredths of a second and the condensers of the third group being calibrated in thousandths of a second, the dial settings of said decade unit determining the time duration of the output pulse obtainable from said timing system, the timing intervals selectable by said decade unit ranging in duration from 0.001 second to 0.5 second, and an output circuit connected to the anode resistor of said second structure.

2,578,558
ELECTRICAL PRECIPITATOR
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 16, 1946, Serial No. 703,504
2 Claims. (Cl. 183—7)



1. An electrical precipitator comprising means defining an elongated passage for a gas stream, said passage comprising first, second and third sequentially disposed zones of substantially equal extent, an ionizing electrode in each of said first and third zones only, said electrodes each being elongated and of substantially the same length as the zone it occupies, said electrodes being further disposed endwise in said tube with said second zone between their confronting ends, a source of alternating potential connected at one side to one of said electrodes and at the other side to the other electrode, means to pass gas to be cleaned in a continuous stream through said passage and successively past each of said first, second and third zones at a prescribed velocity, said velocity being chosen to provide that during a first half cycle of the alternating potential the gas in said first zone is ionized and in the succeeding half cycle the gas that was in said second zone during the first half cycle arrives in said third zone and is ionized.

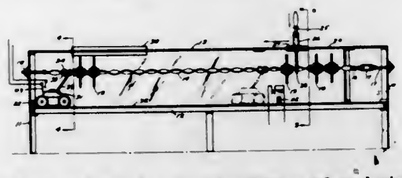
2,578,559
MOTION CONVERTING MECHANISM
Theodore Yngve Korsgren, Winnetka, Ill.
Application December 6, 1946, Serial No. 714,457
10 Claims. (Cl. 74—60)



1. In combination, a cylinder, a pair of opposed pistons in said cylinder, a pair of bearings mounted on said pistons, each of said bearings having a first race and a second race, said first races being positioned on said pistons at an angle relative to the direction of movement thereof and said second races being anchored to limit movement thereof to bodily movement about points

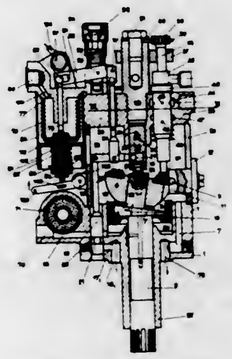
spaced laterally from said pistons, and a shaft connected to rotate with said pistons so that as said pistons execute reciprocatory motion said shaft rotates.

2,578,560
CHANCE DEVICE WITH SPIRAL CARRIER AND DISKS
John D. Kuss, Chippewa Lake Park, Ohio
Application March 5, 1948, Serial No. 13,149
2 Claims. (Cl. 273—142)



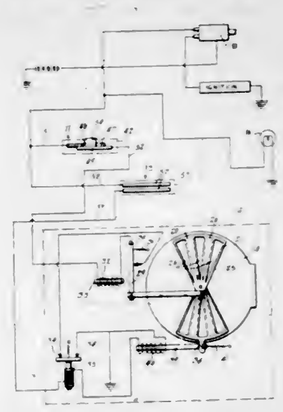
1. A game including a pair of spaced end pieces, a base and a transparent covering positioned over said base and enclosing a playing area thereabove, a spiral carrier suspended longitudinally in said game area, a plurality of discs positioned for movement on the said spiral carrier, indicating means on said discs and on said covering, each of the said discs including a hub having oppositely disposed inwardly extending members engaging the said spiral carrier on its opposite sides, a longitudinally slotted member forming a portion of the said covering and a playing arm operatively disposed in said longitudinally slotted member and adapted for engagement with the said discs for imparting longitudinal movement thereto to cause the discs to revolve on said carrier and secondary means for moving the said discs along the said carrier as to return them to a predetermined playing position.

2,578,561
INJECTION PUMP
Germain Lagardelle, Colombes, France, assignor to Ateliers de Construction Lavalette, Saint-Ouen, Seine, France, a joint-stock company of France
Application October 27, 1945, Serial No. 625,036
In France April 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 18, 1964
7 Claims. (Cl. 103—37)



1. In an injection pump, a housing, parallel cylinders arranged at equal distances around a common axis in said housing, respective inlet and outlet orifices for the delivery of liquid in said cylinders, plunger pistons, for the delivery of liquid, sliding in said cylinders, a driving shaft, an oblique plate fast with said driving shaft and turning about its center under the effect of the rotation of said driving shaft and controlling the reciprocating movement of said plunger pistons, the ends of said pistons abutting against the oblique part of said plate, a deformable member, the deformation of said member controlling the regulation of the quantity of liquid to be injected, an additional cylinder, means sliding in said additional cylinder controlling the axial displacement of said oblique plate, means for leading oil under pressure into said additional cylinder for controlling the axial displacement of said oblique plate, a distributing member controlling the distribution of oil under pressure in said additional cylinder, and means for controlling said distributing member simultaneously in dependency on the deformation of said deformable member and the initial axial position of said oblique plate.

2,578,562
AUTOMATIC WARNING SIGNAL FOR MOTOR VEHICLES
Thomas A. Lapadura, Brooklyn, N. Y.
Application March 10, 1950, Serial No. 148,995
6 Claims. (Cl. 177—339)



1. A warning device of the class described comprising a controllable ignition circuit, a first warning circuit normally closed when said ignition circuit is closed, a covered warning light controlled by said first circuit, means controlled by said first warning circuit for effecting an intermittent flashing of said warning light, a second ignition controlled circuit normally opened and effective when closed for uncovering said warning light and disabling said intermittent flashing means.

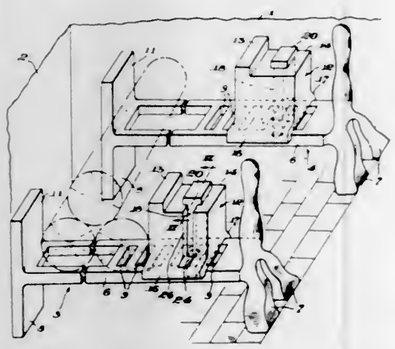
2,578,563
AGE COMPENSATED GLASS THERMOMETER
Laurence C. Liberatore, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application February 26, 1949, Serial No. 78,570
8 Claims. (Cl. 73—371)

1. In a glass thermometer comprising a glass capillary stem sealed at one end, a bulb communicating in sealed relation with the other end of said stem, said thermometer containing a thermoresponsive filling medium, and material

modifying the volume of the bulb with the passage of time, said material shrinking in a manner similar to but at a faster rate than the shrinking of the bulb.

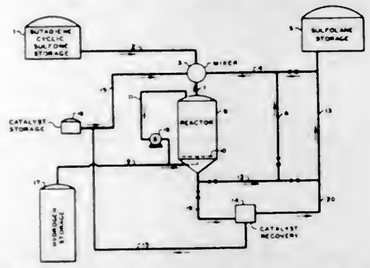


2,578,564
LOG FIREPLACE APPARATUS
Jesse L. Love, Titusville, Pa., Helen F. Rose, Prospect Heights, Ill., and James L. Love, Columbus, Ohio
Application August 20, 1949, Serial No. 111,458
4 Claims. (Cl. 126—298)



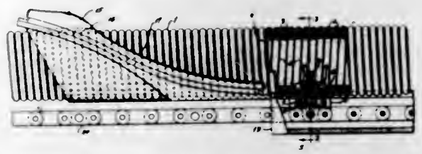
1. Fireplace equipment for maintaining a desired log-pile arrangement, comprising an elongate log-supporting member extending horizontally from the front to the rear portions of the fireplace, a log pile clamping block slidably mounted on the front portion of said member and having an upwardly projecting log-engaging portion, a latch carried by said block for engaging said log-supporting member and preventing movement of the block with respect thereto, said supporting member being provided with a series of longitudinally-spaced latch receiving means, said latch being so carried by said block as to normally move into engagement with one of said latch-receiving means, and said block being provided with an opening for receiving a block-moving tool, manual force exerted upon said tool when so engaged operating to effect release of the latch and movement of said block along said log-supporting member.

2,578,565
HYDROGENATING SULFOLENES TO SULFOLANES
John E. Mahan and Sig C. Fauske, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 28, 1948, Serial No. 67,745
15 Claims. (Cl. 260—332.1)



1. A process of producing a sulfolane which comprises catalytically hdrogenating a sulfolene in a reaction mixture consisting essentially of said sulfolene, hydrogen, an active base metal hydrogenation catalyst, and an initially-present sulfolane as a solvent.

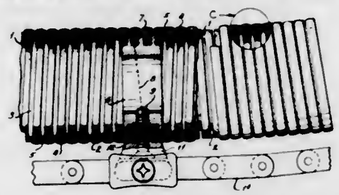
2,578,566
ESCALATOR HANDRAIL
Walter F. Masek and William F. Richardson, Coffeyville, Kans., assignors to Multiscope, Inc., Coffeyville, Kans., a corporation of Kansas
Application January 31, 1949, Serial No. 73,818
13 Claims. (Cl. 198—16)



5. An escalator hand rail structure, comprising a sectional hand rail element, each section including a series of rings held in closely spaced substantially coaxial relation, resilient means conforming to the interior portions of said rings and extending into the spaces therebetween, shoes movably supporting said element, clamping means on said shoes securing adjacent sections of said element together and to said shoes, a supporting guide rail along which said shoes travel, and a guard on said guide rail having an opening into which said element travels and a sloping front face having a substantially higher coefficient of friction than that of said rings adapted to remove a passenger's hand from said element as it enters said opening.

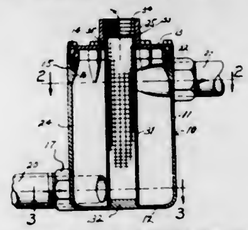
2,578,567
HANDRAIL FOR MOVING STAIRWAYS
Walter F. Masek, Richmond, Ind., assignor to Multiscope, Inc., Coffeyville, Kans., a corporation of Kansas
Application March 27, 1950, Serial No. 152,030
4 Claims. (Cl. 198—16)

3. In a hand rail of the character described having an endless chain drive, hand rail sections joined end-to-end to form an endless loop connected with the chain at joints between the sections, said sections having a flexible core grooved on its exterior, and with rings of T-section metal



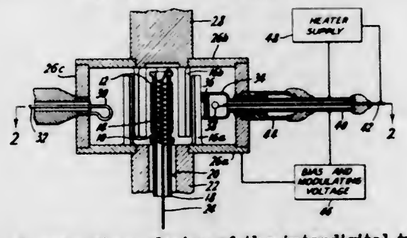
strip embracing said core with the stem of the T interfitting with the grooved part of the core.

2,578,568
GAS-LIQUID SEPARATOR
Albert C. Mayer, St. Louis, Mo., and Joseph J. Blackmore, Edwardsville, Ill.
Application November 1, 1947, Serial No. 783,576
1 Claim. (Cl. 183—2.5)



In an air separation device for use in a hot water heating system, a cylindrical casing provided with a lower tangentially arranged inlet connection, and an upper tangentially arranged outlet connection, an axial screen tube, a boss carried by and projecting upwardly from the bottom of the casing and extending into the bottom of the screen tube to provide against lateral displacement and for mounting and support thereof, a top head on the casing, an air discharge fitting axially of the top head, the head being provided with a passage to the fitting from the interior of the casing, said passage being provided with an undercut ring groove, and a snap ring interfitting said ring groove and projecting inwardly of said passage to constitute an abutment for the outer end of said screen tube.

2,578,569
VARIABLE-FREQUENCY INTERDIGITAL MAGNETRON
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application December 9, 1949, Serial No. 132,004
10 Claims. (Cl. 332—5)



1. A magnetron device of the interdigital type adapted to be electronically controlled in oscillation frequency, including a multipart anode assembly having a cylindrical array of conductors interconnected at their ends into two anode portions, the conductors of each portion extending between the conductors of the other portion, a cathode positioned within the cylindrical array of anode conductors, and an additional cathode extending across plural anode conductors outside said cylindrical array of conductors.

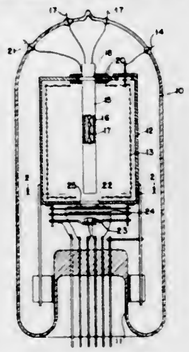
2,578,570
KETO ESTERS OF PENICILLIN AND PREPARATION THEREOF
Harold F. McDuffie, Jr., Camillus, and Douglas E. Cooper, Syracuse, N. Y., assignors to Bristol Laboratories, Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application May 5, 1949, Serial No. 91,648
6 Claims. (Cl. 260—239.1)

4. A new class of compounds of the general formula

$$PenCOO—CH_2—CO—R$$

wherein R is a member of the group consisting of lower alkyl, phenyl, halogen substituted phenyl and xenyl.

2,578,571
ELECTRON DISCHARGE DEVICE
Wilber L. Meier, Chatham, N. J.
Application March 21, 1951, Serial No. 216,744
9 Claims. (Cl. 313—194)

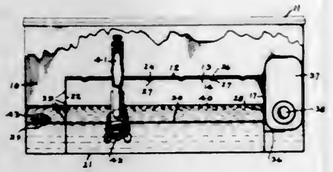


1. An electron discharge device comprising, an envelope containing a gas, a main thermionic cathode within said envelope for emitting electrons, a hollow main anode surrounding the thermionic cathode for enclosing the space between the main cathode and main anode, a main control electrode mounted adjacent to the inside surface of the main anode, and means for ionizing the space between the main cathode and the main control electrode, said means including an auxiliary cathode and an auxiliary perforated electrode through which electrons from the auxiliary cathode can pass into the space between the main cathode and the main control electrode.

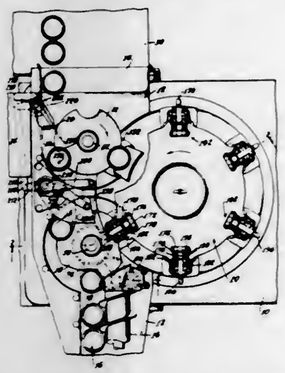
2,578,572
SPRAY GUN KEEPER
Francis F. Melvin and Joe O. Stevens, Elwood, Ind.; said Stevens assignor to said Melvin
Application May 23, 1945, Serial No. 595,450
2 Claims. (Cl. 134—201)

2. For supporting a spray gun nozzle end in a bath of fluid contained in a tank, a wire rack

formed to fit within the tank and comprising a pair of longitudinally extending, transversely spaced apart gun carrying wires; a pair of wire members engaging end portions of said carrying wires and extending therefrom by portions to be carried by said tank; a basket carried by one of said wire members, spaced below said carrying wires and extending longitudinally outwardly beyond said one wire member; a fluid reservoir tank; and a reservoir tank carrying member extending longitudinally outwardly beyond said other wire member, and spaced below said gun carrying wires; said rack being proportioned to receive said reservoir tank as a spacer member between said other wire member and one of the walls of said fluid tank to have said basket in contact with the opposite end wall of the fluid tank, whereby the reservoir tank is supported by said reservoir tank carrying member and is substantially in contact with said one tank wall and said other wire member.



2,578,573
GLASS SPIKE DETECTOR
John Mills, Drexel Hill, Pa., assignor to Hires, Castner & Harris, Inc., Philadelphia, Pa., a corporation of Delaware
Application August 15, 1946, Serial No. 690,784
3 Claims. (Cl. 209—88)



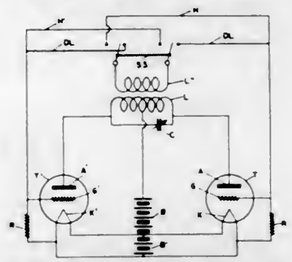
2. In a device for sorting open-mouth glass containers, the combination of means for moving a succession of containers through a predetermined path, detecting means including a plunger insertible into the mouth of a container, means for causing relative movement between said container and said plunger to insert said plunger into said container, the maximum extent of said insertion being sufficient to bring said plunger substantially into abutment with the bottom of any container having a bottom wall of normal thickness and free of "spikes," a support for said detecting means, said plunger being mounted in said support for movement relative thereto in the event said plunger encounters a container having a bottom wall of greater than normal thickness or having a "spike" therein, said detecting means including a device movable relative to said support from one predetermined position to a second predetermined position instantaneously upon movement of said plunger relative to said support incident to the engagement of said plunger in a container with a "spike" or a bottom wall of greater than normal thickness, and means responsive to the positioning of said device in said second predetermined position for diverting from said predetermined path the container causing such movement.

2,578,574
OPTICAL SYSTEM FOR VARIABLE POWER GALILEAN TELESCOPES
John R. Miles, Maine Township, Cook County, Ill., assignor to La Croix Optical Company, Chicago, Ill., a corporation of Illinois
Application May 12, 1948, Serial No. 26,565
4 Claims. (Cl. 88—57)



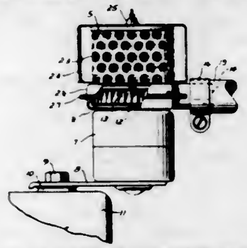
1. An optical system for variable magnification telescopes, view-finders, or the like, having a magnification range substantially between .3X and .8X, and an accommodation range substantially between two diopters and .4 diopters, comprising five lens elements, the first of which is convex-plano, and has a focal length approximately .66 times the overall length of the system, when set for lowest magnification, and the second lens element is plano-concave, with a focal length approximately .27 times the overall length of the system, when set for lowest magnification, and the third element is concave-plano, and has a focal length approximately .27 times the overall length of the system, when set for lowest magnification, and the fourth element is plano-convex, and has a focal length approximately .33 times the overall length of the system, when set for lowest magnification, and the fifth element is concave-plano, and has a focal length approximately .37 times the overall length of the system, when set for lowest magnification, in which the order of the description of the shape of the elements indicates their orientation in the system, and in which the separations of the elements are approximately as follows: Separation of the first element and the second element variable between approximately one forty-eighth of the overall length of the system, when set for lowest magnification, and one-third of the overall length of the system, when set for highest magnification, and the separation of the second element and the third element approximately one forty-eighth of the overall length of the system, when set for lowest magnification; separation of the third element and the fourth element approximately six-tenths of the overall length of the system, when set for lowest magnification, and the separation of the fourth element and the fifth element approximately one-sixth of the overall length of the system, when set for lowest magnification.

2,578,575
ELECTRICAL ALTERNATING CURRENT GENERATION
Surrius Rector Montcalm, Boonton, N. J., assignor to Ferris Instrument Laboratories, Boonton, N. J., a corporation of New Jersey
Original application June 1, 1944, Serial No. 538,221. Divided and this application October 11, 1949, Serial No. 120,671
24 Claims. (Cl. 250—36)



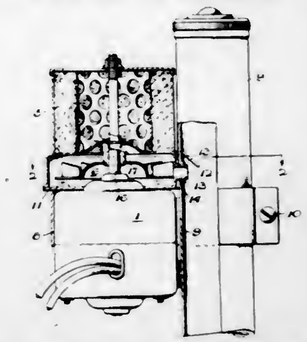
1. In a system for generating an electrical alternating current of an ultra high frequency: the combination of two substantially identical electron paths each having at least an electron source in spaced relation to an effective electron attracting positive potential anode and a negative potential control grid interposed therebetween in normal spaced relation thereto; a paralleled inductance and capacitance circuit having an electrical natural period corresponding to the ultra high frequency desired and having oppositely phased terminations coupled to the respective ones of the said anodes, which said circuit with its associated reactions alone determines the frequency of generation; and an inductance coupled to the first mentioned inductance having oppositely phased terminations coupled to the respective ones of said control grids so chosen as to the respective ones of said grids that the said system will generate electrical alternating current only when the electrical natural period of said circuit corresponds to an ultra high frequency high enough to cause said system to overcome its inherent opposition to generating electrical alternating currents of lower frequency.

2,578,576
CRANKCASE VENTILATION
George C. Morris, Owosso, Mich., assignor to Redmond Company, Inc., Owosso, Mich., a corporation of Michigan
Application June 3, 1948, Serial No. 30,961
2 Claims. (Cl. 123—41.86)



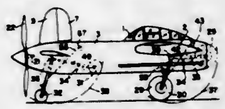
1. Means for expelling harmful vapors from an internal combustion engine by way of the normal crankcase vent, comprising, in combination, a substantially constant speed motor, said motor having a pair of air receiving vessels for filtering air received therein, and means in the other of said vessels for forcing the filtered air into said crankcase for circulation therethrough prior to discharge by way of said normal crankcase vent.

2,578,577
VAPOR EXPULSION
George C. Morris, Owosso, Mich., assignor to Redmond Company, Inc., Owosso, Mich., a corporation of Michigan
Application September 22, 1948, Serial No. 50,627
3 Claims. (Cl. 123—41.86)



1. In an internal combustion engine having a crankcase equipped with air intake and exhaust tubes for the circulation of scavenging air therethrough, said exhaust tube serving as a vent for such scavenging air and also as a vent for the "blow-by" entering the crankcase from the combustion spaces of the engine, means for maintaining the pressure in said air intake tube at a value that is always higher than the air pressure in said crankcase, to defeat any tendency of said "blow-by" to escape from the crankcase by way of said air intake tube, said pressure maintaining means comprising a motor-driven blower mounted on said air intake tube, a housing for said blower, and registering passages in said blower housing an intake tube for delivery of air to said intake tube, and said blower housing including a wall running tangentially of the circular path described by the blower blades in rotation, said wall also turning sharply to form an air pocket tending to reduce the velocity and increase the pressure differential as the air stream enters said registering passages.

2,578,578
CONVERTIBLE AIRCRAFT LANDING GEAR
George Francis Myers, New York, N. Y.
Application March 4, 1946, Serial No. 651,760
1 Claim. (Cl. 244—102)



An aircraft comprising an elongated body disposed in the direction of the aircraft's longitudinal axis and ground engaging means pivotally secured to said body, said means being swingable between a first limiting position wherein said means is disposed outside of said body and offset from the longitudinal axis of said body, and a second limiting position where-

in said means is disposed on the longitudinal axis of said body at one end of said body, whereby said means, when in said first position, constitutes a support for the aircraft in horizontal attitude, and said means, when in said second position, constitutes a support for the aircraft in vertical attitude.

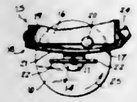
2,578,579

BALL BOUNCING PULL TOY

George Mysels, New York, N. Y.

Application June 11, 1949, Serial No. 99,556

3 Claims. (Cl. 46—204)



1. In a pull toy having an open bottomed transparent container supported on a rotative wheeled axle, a wall closing the open bottom of the container, said wall being formed over the axle with an elongated slot having its length extended at right angles to the length of the axle, a freely tossable object within the container and rested on said wall, and means on the axle for entering the container through said slot as the axle rotates for intermittently striking and kicking said object upward within the container, said wall having a concave top surface converged toward said slot so that said object will seek a position over said slot to be struck by said means.

2,578,580

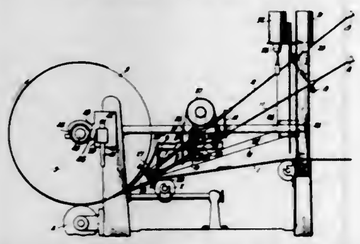
REINFORCING ASBESTOS-CEMENT SHEETS AND APPARATUS FOR USE THEREIN

Frank Lennard Nash, Widnes, England, assignor to Turners Asbestos Cement Company Limited, Rochdale, England, a British company

Application August 18, 1948, Serial No. 44,828

In Great Britain October 20, 1947

3 Claims. (Cl. 92—67)



1. In combination with a rotary mandrel for winding up a web of plastic material to form a multi-layer tube, means for storing a plurality of sets of reinforcing wires so they are disposed longitudinally of the advancing web with one end of the wires adjacent the point where the web reaches the mandrel, means urging the wires axially toward said point, a plurality of barriers each normally preventing the advance of one set of wires toward said point, and a trip mechanism operable in any selected revolution of the mandrel for removing the barriers one after another during said revolution thereby to cause the separate sets of wires to advance successively at predetermined intervals during said revolution, said trip mechanism including a member rotatable with said mandrel having a plurality of circumferentially spaced trip elements, means adjacent said member responsive to the passage of said trip elements, and apparatus controlled by said last named means for removing a different barrier with the passage of each trip element.

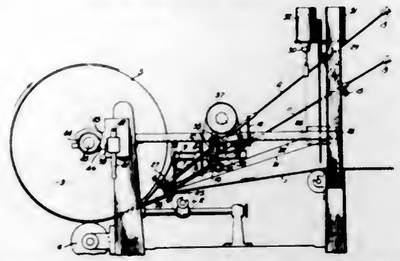
2,578,581

REINFORCING ASBESTOS-CEMENT SHEETS

Frank Lennard Nash, Widnes, England, assignor to Turners Asbestos Cement Company Limited, Rochdale, England, a British company

Original application August 18, 1948, Serial No. 44,828. Divided and this application June 22, 1950, Serial No. 169,755. In Great Britain October 20, 1947

4 Claims. (Cl. 92—41)



1. The process of forming reinforced sheets comprising the steps of winding a web of thin plastic material on a rotary cylinder to form a multi-layer tube, placing a first reinforcing segment whose length is a fractional part of the circumference of the tube between the web and the last layer already formed on the tube, the leading end of said first reinforcing segment being positioned adjacent the point where the web reaches the tube, continuing the winding of the web on the cylinder through part of a revolution to wrap the first reinforcing segment around the tube, spacing the leading end of a second reinforcing segment whose length is slightly less than the difference between the circumference of the tube and the length of the first segment slightly behind the trailing end of said first segment, continuing the winding to wrap said second segment about the tube whereby said segments are located between two of the layers and have their adjacent ends spaced slightly from one another to provide the tube with two circumferentially spaced unreinforced parts, cutting said tube longitudinally through one of said unreinforced parts, and flattening out the tube to form a sheet.

2,578,582

HYDRAULIC CUTTING TOOL

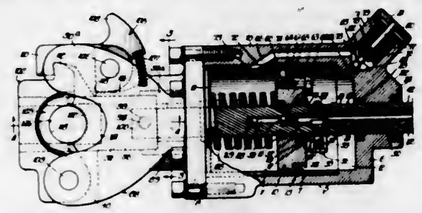
Walter E. Northcutt, Chebanse, Ill., assignor to Manco Mfg. Co., Bradley, Ill., a corporation of Illinois

Application November 10, 1948, Serial No. 59,363

3 Claims. (Cl. 30—92)

3. In a hydraulic tool, a cylinder having a closure head at each end, a pressure applying member having an inner portion of rectangular cross section and a flat inner end of substantial area, a piston operating in said cylinder, a piston rod movable with said piston slidable through said one head having in its outer end a transverse rectangular slot providing spaced fingers snugly receiving between them the inner end of said member, said rod having at the inner end of said slot a flat surface of substantial area disposed for pressure contact with the inner end of said member, said fingers having aligned slots

therein, and a pin secured through said member extending into the slots of said fingers, the latter slots providing for contact of said rod in its out-



ward travel with the inner end of said member and for picking up of said pin by the fingers of said rod in its inward travel.

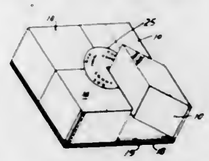
2,578,583

PACKAGING

Herbert J. O'Brien, San Francisco, Calif.

Application April 13, 1949, Serial No. 87,303

1 Claim. (Cl. 206—65)



A shipping package comprising a planar base pad, a plurality of packages seated thereon for dispensing as individual units, said packages being in abutting relationship and the combined areas of their bottom surfaces substantially equaling the area of the pad, said packages being adhesively secured to the pad at their bottom surfaces, only at outer edge portions of the pad, and frangible means interconnecting the tops of the packages at their points of abutment.

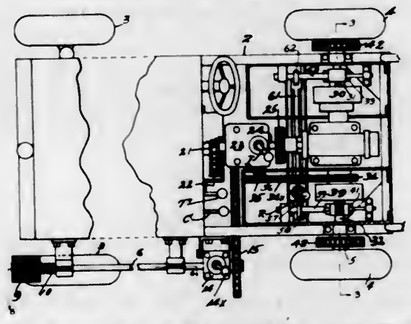
2,578,584

MULTIPLE SPEED POWER TRANSMITTING MEANS FOR SEWER ROD TRACTORS

William D. Osborn, Los Angeles, Calif.

Application August 1, 1947, Serial No. 765,494

2 Claims. (Cl. 180—70)



1. A sewer rod working tractor including a traction wheel axle, a driven manually controlled, variable forward and reverse speed transmission including a take-off shaft, a worm gear train operatively connected to said shaft, a jack shaft having a first clutch connected to and driven by said train for slow drive of the jack shaft, a faster drive clutch on said jack shaft, drive means connecting the said faster clutch to said take-off shaft, and a manually controlled means for selectively engaging either of said clutches, said means including a single lever, a pair of link assemblies, one for each clutch, and operatively connecting said lever with the respective clutch to effect axle drive by either clutch, and means by which the jack shaft and the axle are operatively connected.

2,578,585

COMPOSITION FOR FORMING A DRY, HOMOGENEOUS, SELF-ADHERENT LUBRICATING FILM ON METAL STOCK

Gilbert H. Orozco, Euclid, and Richard F. Roy, Cleveland, Ohio, assignors to Gilron Products Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 11, 1949, Serial No. 109,822

14 Claims. (Cl. 252—28)

1. A coating material for admixture with water for coating a piece of blank metal stock and forming thereon a self-adherent, dry homogeneous, lubricating and protecting film consisting essentially of the following ingredients by weight, dry:

	Parts
Water-soluble material having a melting point of at least about 40° C. and selected from the group consisting of polyethylene glycol, fatty acid esters of aliphatic polyhydric alcohols having less than four hydroxy groups, and any mixtures of any of the foregoing	5–30
Alkali metal borate	95–70

2,578,586

COMPOSITION FOR FORMING A DRY, HOMOGENEOUS, SELF-ADHERENT, LUBRICATING FILM ON METAL STOCK

Gilbert H. Orozco, Euclid, and Richard F. Roy, Cleveland, Ohio, assignors to Gilron Products Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 11, 1949, Serial No. 109,824

18 Claims. (Cl. 252—18)

1. A coating material for admixture with water for coating a piece of unformed metal stock and the like and forming thereon a self-adherent, homogeneous lubricating and protecting film consisting essentially of the following ingredients by weight:

Water-soluble high titre soap having a melting point of at least about 36° C., 5–30 parts; water-soluble material having a melting point of at least about 40° C. and selected from the group consisting of polyethylene glycol, fatty acid esters of aliphatic polyhydric alcohols having less than four hydroxy groups, and any mixtures of any two or more of the recited ingredients, 30–5 parts; water-soluble alkali metal borate, balance (65 parts minimum).

2,578,587

FAUCET HOSE TEMPERATURE INDICATOR

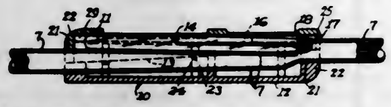
Marvin E. Palmquist, Cherry Valley, and Edward W. Lundstrom, Rockford, Ill., assignors, by mesne assignments, to Trimble, Inc., Rochester, N. Y., a corporation of New York

Application August 16, 1949, Serial No. 110,546

10 Claims. (Cl. 73—343)

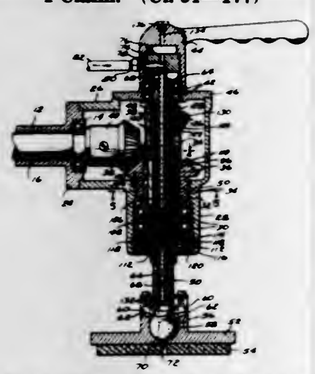
2. In combination, a hose of flexible resilient material having a hole provided in the wall there-

of, a thermometer of elongated form having a heat responsive bulb end projecting through said opening, the rest of the length of said thermometer being disposed outside said hose, the hose material being distortable enough around said opening to allow moving said thermometer substantially into parallelism with and abutting the outside of said hose while the bulb end is disposed projecting through said hole, and a substantially rigid, elongated housing enclosing said thermometer and that portion of the length of



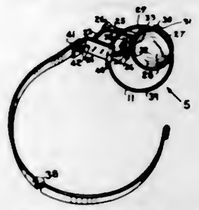
hose abutted thereby holding the thermometer in the substantially parallel position described, said housing having an elongated slot provided therein through which a substantial portion of the length of said thermometer is exposed to view from the outside of the housing for reading temperatures thereby, and said housing having temperature graduations on the outside thereof spaced lengthwise of and adjacent said slot and in close enough proximity to said thermometer to permit taking temperature readings.

2,578,588
GRINDING, POLISHING, OR SURFACING MACHINE
Dante Pascotto, New York, N. Y.
Application February 9, 1949, Serial No. 75,332
1 Claim. (Cl. 51—177)



A machine of the class described having, in combination, a gear housing provided with opposed spaced bearings, a hollow driven shaft rotatably mounted in said bearings and having its ends extending beyond the housing, a driving shaft projecting into said housing at substantially right angles to said driven shaft, gearing operatively connecting said shafts, said gearing including a bevelled gear fixed upon said hollow driven shaft, the hollow interior of said driven shaft being completely sealed off from the interior of said housing, a hollow tool carrying shaft axially slidable within said driven shaft and extending outwardly and downwardly therefrom, means rotatably connecting said tool carrying shaft to said driven shaft, said tool carrying shaft extending axially into the driven shaft and spaced from one end thereof to form a chamber, a coil spring confined between the wall of the chamber and the inner end of the tool carrying shaft for normally urging the latter outwardly relative to the housing, said spring being rotatable with said driven shaft, and a fixed liquid conduit extending coaxially through said hollow driven shaft and said hollow tool carrying shaft to a discharge point spaced from the tool carrying shaft a distance sufficient to permit the unobstructed axial movement thereof into said driven shaft, the parts being constructed and arranged to permit axial displacement of the tool carrying shaft relative to the driven shaft so as to completely protect the rotary and sliding bearings within the housing from ingress of water and abrasive material.

2,578,589
MAGNIFYING LOUPE WITH REFLECTOR
Adam Pawelski, Brooklyn, N. Y.
Application October 21, 1948, Serial No. 55,729
1 Claim. (Cl. 88—39)

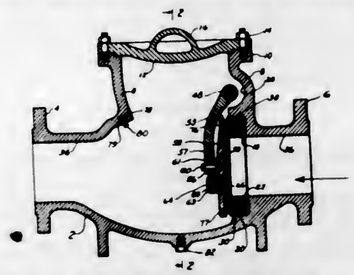


Means for supporting an enlarging lens and a mirror for reflecting light onto a selected part of a piece of work in front of one's eye from a support for partially encircling the head on a level with the eyes, said supporting means comprising a post secured at one end to the support and having its other end extended forwardly therefrom, an arm extended right angularly inward from the outer end of said post and having its outer end fixedly secured to the outer end of said post, a ring-like frame continuing from the inner end of said arm and encircling the lens, a bifurcated member extended rearward from said frame closely adjacent and spaced slightly below said arm, said bifurcated member having vertically spaced rearwardly extended portions, a pivot pin extended vertically between said vertically spaced portions of said bifurcated member, an L-shaped arm having one of its arm portions extended forward from said frame on a plane parallel to the length of said post, and means adjustably mounting the mirror in a substantially vertical plane on the forward end of the said one arm portion of said L-shaped arm so that the position of the mirror can be adjusted about the longitudinal axis of that said one arm portion, said L-shaped arm having its other arm portion extended about the periphery of said frame and pivoted at its free end on said vertical pivot pin so that the position of said L-shaped arm and in turn the mirror can be adjusted about the vertical axis of said pivot pin.

2,578,590
SAFETY VALVE
Ainslie Perrault, Tulsa, Okla., assignor to Perrault Bros., Tulsa, Okla., a corporation of Delaware
Application February 25, 1948, Serial No. 10,685
3 Claims. (Cl. 277—43)

1. In a safety valve adapted to be interposed in a fluid line and comprising a body, a circular seating ring threadedly secured in the valve body, a recess provided in the seating ring, a movable landing ring disposed in the recess, resilient means cooperating between the landing ring and

the recess to provide a cushioning of the landing ring relative to the seating ring, a port providing fluid communication between the recess and the interior of the valve body, a main valve disc pivotably secured to the body and adapted to seat



against the landing ring in closed position, means for anchoring the valve disc providing compensation for eccentricity in the seating relationship, and means providing alleviation of fluid pressure against one side of the valve disc in closed position.

2,578,591
ATHLETIC SHOE CALK
Fred C. Phillips, Stoughton, Mass.
Application August 7, 1947, Serial No. 766,959
2 Claims. (Cl. 36—59)



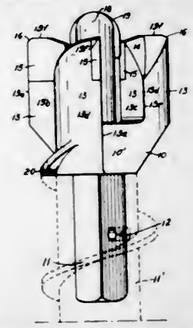
1. A calk for an athletic shoe or the like, comprising a metal plate having a central aperture, and an axial member of harder material than that of the plate extending through said aperture, said member having a knurled central portion engaging the walls of said aperture with a driving fit, said member having a flange adjoining said central portion engaging the lower face of the plate around the aperture, said member also including a tapered spike projecting down from said flange and a threaded stud projecting up from said central portion.

2,578,592
CORNER GUIDE FOR ENDLESS CONVEYER CABLES
Sydney Pile, London, England, assignor to Teleflex Products Limited, London, England, a British company
Application August 29, 1947, Serial No. 771,268
In Great Britain August 31, 1946
2 Claims. (Cl. 198—137)



1. A corner guiding means for an endless conveyor cable, comprising a plate, a curved channel member fixed to said plate, an endless roller chain, a sprocket rotatably mounted on said plate, and a plurality of guide wheels rotatably mounted on said plate, said sprocket and said guide wheels coacting with the base of said channel member to tautly support said chain, said chain being guided by the sides of said channel member, the outer surface of said chain forming a bearing surface for said cable throughout the length of said channel member.

2,578,593
AUGER-TYPE DRILL BIT
Orville Phipps, Adams County, near Denver, Colo.
Application October 29, 1946, Serial No. 706,365
1 Claim. (Cl. 255—61)

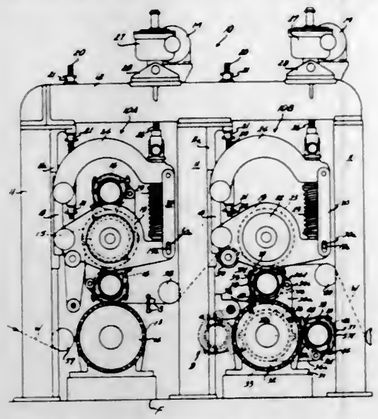


In a drill bit of the character described having a body formed with a mounting stem extending axially from one of its sides, fingers integral with and spaced marginally about the side of said body remote from said stem to outstand in parallel, radially-offset relation with the body axis and in a direction opposite to the stem extension, insert blocks of hard, tough, abrasive-resistant alloy material, such as tungsten-carbide, fixedly arming the tips of said fingers, and a threaded boss formed integrally with and centrally of said body to outstand axially therefrom on the same side of the body as and in spaced, parallel relation with said fingers, a pilot bit member separably carried by said boss, said member comprising a straight, cylindrical, rigid element of a length exceeding the projection of said fingers from the body, a threaded socket coaxially intersecting one end of said element coactable with and to receive said boss to mount said element on and axially of said body on the same side of the latter as and in spaced parallelism with said fingers, a domed tip defining the end of said element remote from said socket, a slot diametrically of and opening axially of the element through said domed tip, and an insert block of hard, tough, abrasive-resistant alloy material, such as tungsten-carbide, fixedly seated in and to fill said slot with its axially-projected edge tangent to the domed tip at the axis of the element and its opposite side margins similarly projecting laterally of and beyond the element as exposed cutting edges spacedly paralleling the adjacent element wall.

2,578,594
CALENDER MACHINE
Charles P. Putnam, Lock Haven, Pa., assignor to New York and Pennsylvania Co., Inc., New York, N. Y., a corporation of Delaware
Application December 20, 1948, Serial No. 66,302
5 Claims. (Cl. 92—71)

1. A calender machine comprising, in combination, a plurality of lower driver rolls having hard peripheries, said driver rolls arranged in spaced side-by-side relation, a frame having upright columns adjacent each of said driver rolls, a plurality of pressure applying rolls having hard metallic peripheries, said pressure rolls being superimposed above said lower driver rolls and between said columns, movable carriages mounted on said columns, pressure roll carrying arms pivotally connected to said carriages, said pressure roll carrying arms having bearing housings for rotatably carrying said pressure rolls, means

connected to said frame for selectively applying variable quantities of vertical pressure force to said pressure rolls through said pressure roll carrying arms, a first pair of soft calender rolls rotatably mounted on diametrically opposed sides of one of said pressure rolls for 180° rotation about said pressure roll for selective first

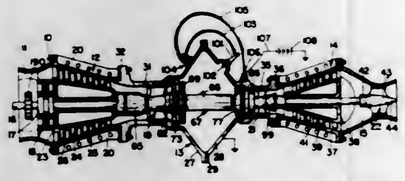


pass pressure nip engagement with a corresponding first pass lower driver roll, and a second pair of soft calender rolls rotatably mounted on radial axes respectively separated by a 90° arc for shifting around the upper portion of a second of said lower driver rolls for selective second pass pressure nip engagement with a corresponding second stage pressure roll.

2,578,595
RODENT REPELLING BINDER CORD AND PROCESS OF MAKING SAME
Anderson W. Ralston, John P. Barrett, and Ervin W. Segebrecht, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 16, 1947, Serial No. 755,020
8 Claims. (Cl. 117—138.5)

1. A cord impregnated with an aliphatic nitrile selected from the group consisting of nitriles having from 8 to 18 carbon atoms in the hydrocarbon radical.

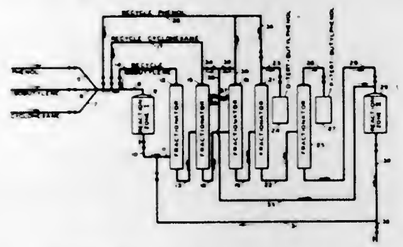
2,578,596
COMPRESSOR GAS TURBINE COMBUSTION CHAMBER WITH ROTATING AND RECIPROCATING VALVE THEREIN
Russell W. Rieck, Detroit, Mich.
Application September 11, 1946, Serial No. 696,193
11 Claims. (Cl. 60—39.8)



5. In a gas turbine combustion chamber, an exhaust valve seat, a slidable valve, spaced ignition circuit contacts on said seat and conductor means on said valve for bridging said contacts to close said circuit when the valve contacts said seat.

10. In a gas turbine power plant, a combustion chamber having spaced annular inlet and exhaust ports and a power shaft projecting therethrough, a valve member freely rotatably and slidably mounted on said shaft between said ports and having spaced annular faces adapted to seat at the respective ports depending on the location of the valve member.

2,578,597
PRODUCTION OF p-TERTIARY-BUTYL PHENOL
Sam P. Robinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 22, 1948, Serial No. 61,327
7 Claims. (Cl. 260—624)

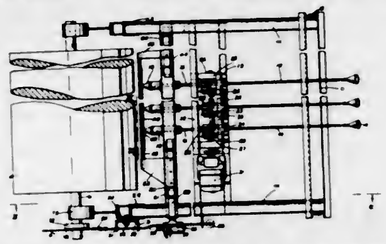


1. A process for the formation of monoalkyl phenols which comprises alkylating a phenol with a low-boiling olefin hydrocarbon in the presence of a synthetic silica-alumina gel type catalyst at elevated temperatures and pressures and in the presence of an inert diluent to form monoalkyl phenol in high yields, recovering said monoalkyl phenol from reaction products, also recovering from said reaction products polyalkyl phenols formed in minor amount in said alkylation reaction, reacting thus-recovered polyalkyl phenols with added phenol at elevated temperatures greater than those employed in the above-mentioned alkylation reaction and in the presence of a synthetic silica-alumina gel type catalyst which has been used in said alkylation reaction until its catalytic activity for said reaction is diminished, and recovering from said reaction of polyalkyl phenol and phenol additional quantities of monoalkyl phenol produced thereby as a product of the process.

2,578,598
APPARATUS FOR REINFORCING ASBESTOS-CEMENT SHEETS
William Holdsworth Rooksby, Trafford Park, Manchester, England, assignor to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England, a British company
Application June 1, 1946, Serial No. 673,791
In Great Britain June 8, 1945
10 Claims. (Cl. 92—66)

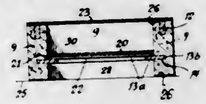
3. In combination with a rotary windup mandrel for receiving a web of plastic material thereby to form a multi-layer tube which is adapted subsequently to be cut from the mandrel along a parting-off line parallel to the axis of the tube, wires supported longitudinally of the advancing web with one end adjacent the point where the web reaches the mandrel, means urging the wires axially toward said point, a barrier normally preventing the advance of the wires toward said point, and mechanism operative in any selected

revolution of the mandrel to remove said barrier at a predetermined angular position of the man-



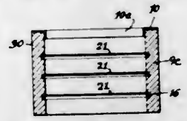
drel thereby to cause the wires to advance and be wrapped around the mandrel between superposed layers of the tube.

2,578,599
INSULATION DEVICE
Jay Rose, New York, N. Y.
Application August 28, 1948, Serial No. 46,571
18 Claims. (Cl. 20—4)



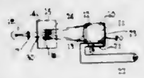
1. A thermal insulating device for application broadside to a surface to be insulated for prevention of heat transmission therefrom comprising a box-frame structure, the sides of said structure being made from fragile strips formed from a light, heat insulation containing air cells and of an inherently brittle and friable nature, said sides extending from said surface; reinforcing means of a relatively hard, dense, heat conducting material extending longitudinally of and substantially coextensive with said strips, said reinforcing means also extending transversely of said strips for a substantial distance so as to prevent flexing and breakage of said strips and structure, the transverse dimension of said reinforcing means being less than the same dimension of said strips so as to prevent heat flow directly through said reinforcing means from said surface to the side of said structure remote from said surface; heat insulating material in said structure extending from side to side of said structure, said insulating material being supported and retained by means supported by said structure.

2,578,600
INSULATION DEVICE
Jay Rose, New York, N. Y.
Application January 4, 1949, Serial No. 69,179
5 Claims. (Cl. 20—4)



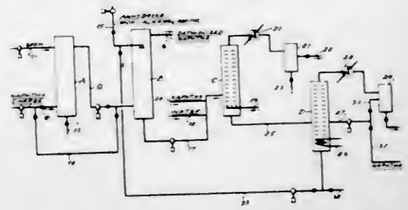
1. A thermal insulating device for application broadside to a surface to be insulated for prevention of heat transmission therefrom, comprising a box frame structure, the sides of said structure being made from fragile strips formed from a light heat insulation containing air cells and of a molded, inherently brittle and friable nature, said sides extending from said surface, rigid reinforcing strips of a relatively hard and dense heat conducting material extending longitudinally of and substantially coextensive with said fragile strips and secured thereto along substantially the entire length of the fragile strips, said reinforcing strips also extending transversely of said fragile strips for a substantial distance so as to prevent flexing and breakage of said strips and structure, the transverse dimension of said reinforcing strips being less than the same dimension of the fragile strips so as to prevent heat flow directly through said reinforcing strips to the side of said structure remote from said surface, supporting means on the inner sides of said fragile strips and a heat insulating element extending from side to side of said frame structure and supported by said supporting means, said element including a thin sheet of thermal insulative foil and a reinforcing wire frame supported by said supporting means and generally coextensive with said sheet and engaging and supporting the body thereof.

2,578,601
SUPERSONIC LIGHT MODULATOR
Adolph H. Rosenthal, New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation, a corporation of New York
Application November 16, 1946, Serial No. 710,345
14 Claims. (Cl. 88—61)



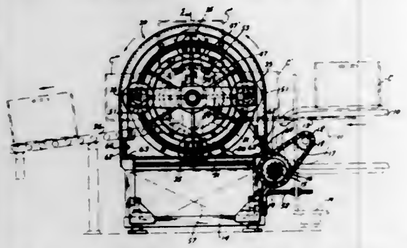
1. Supersonic light modulating apparatus including a body of liquid, means for producing supersonic mechanical waves in said liquid, a diaphragm having a transparent slit and a mirror surface, means for directing light through said slit and liquid, and means for reflecting the light back through the liquid to said mirror surface of the diaphragm, said mirror surface being at an oblique angle to the direction of said reflected light.

2,578,602
DETHIOLIZING HYDROCARBONS AND OTHER ORGANIC LIQUIDS
Ludwig Rosenstein, San Francisco, Calif., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application May 22, 1948, Serial No. 28,623
5 Claims. (Cl. 196—32)



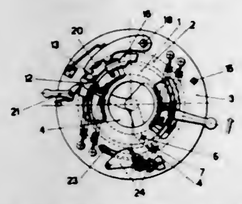
1. The process of dethiolizing hydrocarbons that comprises countercurrently contacting the hydrocarbons with a substantially anhydrous alkanolamine solution of alkali metal hydroxide limited in quantity to supply approximately the stoichiometric amount of the hydroxide based on the mercaptan content of the hydrocarbons to thereby effect complete removal of the mercaptans.

2,578,603
APPARATUS FOR INVERTING ARTICLE CONTAINERS
Emil Rothman, New York, N. Y., assignor to Edward Ermold Company, New York, N. Y., a corporation of New York
Application January 15, 1949, Serial No. 71,104
10 Claims. (Cl. 214—1.1)



1. In a container inverting apparatus, the combination of a pair of spaced opposite gripping members adapted to receive a container between them, feed mechanism for positioning a container between said members, means advancing at least one of said members along a common axis toward the other member to grip the container between them, a mounting for said members for simultaneous movement about an axis parallel to said axis, means driving said members about said parallel axis to bodily move said container, a segment concentric with said parallel axis, a wheel on said gripping members and tangent to said segment for rotation thereby to invert the container, and means for disengaging said grippers from said container after said inversion.

2,578,604
SHUTTER DEVICE OF THE LAMELLAR TYPE FOR CAMERAS, AERIAL CAMERAS, SURVEY CAMERAS, AND THE LIKE
Ermenegildo Santoni, Florence, Italy, assignor to Societa per Azioni Officine Galileo, Florence, Italy, a corporation of Italy
Application May 14, 1947, Serial No. 748,094
In Italy June 10, 1946
1 Claim. (Cl. 95—63)

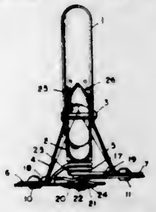


A shutter for use adjacent the diaphragm of a camera, including a substantially flat stationary support, provided with two concentric grooves having different diameters; a plurality of blades for said shutter; two concentric rings located and guided in said grooves; a first plurality of pins integral with one of said rings and penetrating into recesses formed in each of the blades; a second plurality of pins integral with the other of said rings and penetrating into grooves formed in each of the blades; a first plurality of springs anchored at one end to said stationary support and fastened at the other end to one of said rings; a second plurality of springs anchored at one end to said stationary support and fastened at the other end to the other of said rings; said two pluralities of springs being so disposed as to cause the rotation, in the same direction, of said two rings; a radial pawl integral with the inner ring and extending outwardly; a stop hinged on said stationary support and coacting with said radial pawl in order to lock the inner ring in the position wherein the shutter is under pressure against the tension of the respective springs; means for releasing said stop for actuation of the release; a first tooth integral with the outer ring and held in contact by the action of the respective springs, against the radial pawl of the inner ring; a lever provided with a hump and hinged on said stationary support and provided with a stopping tooth, a stop secured to the outer ring so as to retain said ring against the action of the respective springs after the starting of the movement of said two rings and coacting with said stopping tooth; a second shaped tooth integral with the inner ring, said tooth being so disposed as, with the continuation of the rotation of said inner ring, to enter in contact with said hump of said lever and so disposed as to lift said lever, in order again to release the outer ring; a second lever integral with the inner ring and so disposed as to cause the putting under tension of the shutter; and a further stop integral with said stationary support and coacting with said lever integral with the inner ring so as to determine the stopping, at the end of the travel, of said inner ring.

2,578,605
SURFACE-TREATED SILICA
Daniel S. Sears, Cuyahoga Falls, and Edwin B. Newton, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application November 1, 1947, Serial No. 783,628
9 Claims. (Cl. 260—766)

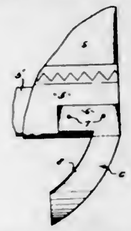
1. A composition of matter consisting essentially of finely-divided silicon dioxide which is the solid product of combustion of a silicon-bearing material, which silicon dioxide is normally characterized by surface acidity, and an amine disposed on the surface of said silicon dioxide in an amount at least sufficient to substantially neutralize said surface acidity.

2,578,606
GRASS SHEARS
Carl Sekely, Salem, Ohio
Original application January 21, 1948, Serial No. 3,534. Divided and this application March 10, 1949, Serial No. 80,731
2 Claims. (Cl. 30—271)



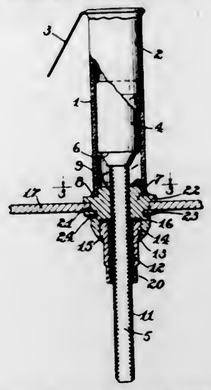
1. In a shears, a pair of pivoted blades formed with co-acting cutting edges; a pair of blade actuating pivoted handles of U-shaped transverse cross section; a pair of projecting deformable stops, spaced apart and formed integrally on one of said handles to extend into the U-shaped depression of the other of said handles and disposed to be urged together and deformed transversely to the plane of the handles when said handles are squeezed together, said other handle straddling said stops so that the hand of the user is protected from pinching, said stops engaging each other upon predetermined squeezing together of said handles, adjustment of the relative positions of said handles when said stops engage as aforesaid being provided by continued squeezing of the handles to buckle and thus cause a permanent set in said stops.

2,578,607
CURTAIN GUARD
John J. Senogles, Los Angeles, Calif.
Application April 10, 1950, Serial No. 154,950
6 Claims. (Cl. 160—168)



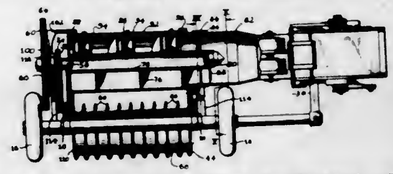
2. A curtain guard for windows comprising: an integral body having an arm adapted to be secured to a lower corner of a roller shade in a window opening, said arm being curved inwardly from a lateral edge of said shade, for preventing interference with window curtains as the shade is lowered.

2,578,608
SCREW AND NUT MECHANISM
Charles L. Shull, Horseheads, N. Y.
Application February 19, 1949, Serial No. 77,380
3 Claims. (Cl. 74—424.8)



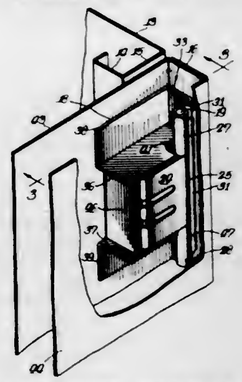
1. In a variable electrical condenser or the like, mounting and adjusting means for the condenser comprising a bearing bushing having an opening therethrough of polygonal cross-section, a bar of similar cross-section slidably mounted therein, the angular edges of the bar being screw-threaded, said bushing having an enlarged cylindrical counterbore in one end; a nut threaded on the bar having an enlarged portion seated in the counterbore of the bushing, said bushing having a terminal flange embracing the end of the enlarged portion of the nut to retain it in the counterbore while permitting rotation thereof to traverse the threaded bar, the exterior of the bushing having a cylindrical surface provided with a flattened portion and a radial flange adjacent thereto, a fixed panel having an opening conforming to the flattened cylindrical surface, and detachable elastic means for clamping the bushing in said opening with the flange bearing on the panel.

2,578,609
CROP PICKUP AND FEEDING IMPLEMENT
Clarence A. Stevens, Wichita, Kans.
Application August 17, 1945, Serial No. 611,120
4 Claims. (Cl. 100—13)



2. In a cut crop handling implement of the character described, having a baler forming a part thereof, packing and conveying structure for introducing the crop into the baler comprising a helix; a case for the helix, formed to confine the crop between the convolutions of the helix; apparatus for feeding the cut crop laterally into the said helix; and means for compressing the crop toward the axis of the helix as the crop is being conveyed thereby toward the said baler, said compressing means having salients contoured to enter between the convolutions of the helix, said salients being hollow and having filling openings permitting the introduction of weight-imparting substance thereinto, the said compressing means having parts for lifting the same from a place where the salients are between the convolutions of the helix and for releasing the said means to allow the action of gravity to return the said means toward the crop contained within the packing and conveying structure.

2,578,610
CABINET HINGE
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application February 1, 1946, Serial No. 644,713
6 Claims. (Cl. 16—135)



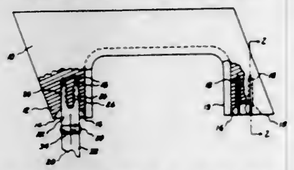
1. A cabinet hinge, consisting of a cabinet wing and a door wing pivotally connected to-

gether, said cabinet wing being adapted to be anchored at one end on a cabinet frame or the like and to project outwardly therefrom into a hollow metal door, and said cabinet wing being provided at its extremity with a hinge pintle journal, said door wing having connected channel-shaped upper and lower portions, the free edges of one side wall of the channel of each portion being provided with hinge pintle journals, the other side wall of the channel of each portion having a strengthening and door reinforcing flange projecting from the plane of such other side wall toward said one side wall of such portion, the pintle journals of said wings being disposed in longitudinal alignment, and a hinge pin extending through said journals.

2,578,611
2,4-OXAZOLIDINEDIONES
Roger W. Stoughton, St. Louis, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application December 20, 1947, Serial No. 793,039
18 Claims. (Cl. 260—294.7)

7. A substance selected from the group consisting of 5 -diethylaminomethyl- 5 -methyl- 2,4-oxazolidinedione, 5-diethylaminomethyl - 3,5-dimethyl- 2,4 -oxazolidinedione, 5- di- n -butylaminomethyl-5-methyl- 2,4 -oxazolidinedione, 5-di-n-butylaminomethyl-3,5 -dimethyl- 2,4 -oxazolidinedione, 5-(3 - diethylamino) propyl - 5-methyl - 2,4 - oxazolidinedione, 5-(3-diethylamino) propyl-3,5-dimethyl-2,4- oxazolidinedione, 5 -methyl- 5-(4- morpholinyl) -methyl- 2,4- oxazolidinedione, 3,5-dimethyl-5-(4-morpholinyl) -methyl - 2,4 - oxazolidinedione, 5-methyl-5-(1-piperidyl) -methyl-2,4-oxazolidinedione, 3,5 - dimethyl-5-(1-piperidyl) -methyl- 2,4 -oxazolidinedione, 3-(β-diethylaminoethyl) -5-phenyl-2,4-oxazolidinedione, 3-β-dimethylaminoethyl-5,5-diphenyl-2,4-oxazolidinedione, 3 -β- diethylaminopropyl-5,5-diphenyl-2,4-oxazolidinedione, 3-γ-di-n-butylaminopropyl- 5,5 -diphenyl- 2,4 -oxazolidinedione, 3-β -di -n- butylaminoethyl- 5,5 -diphenyl-2,4-oxazolidinedione, 3-β-(1-piperidyl) -ethyl-5,5-diphenyl-2,4-oxazolidinedione, 3-β-(4-morpholinyl) ethyl-5,5-diphenyl-2,4 -oxazolidinedione, and acid addition salts thereof.

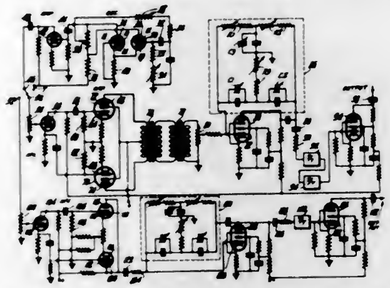
2,578,612
INVISIBLY HINGED HANDBAG FRAME
Boris Martin Stregack, Brooklyn, N. Y.
Application July 26, 1946, Serial No. 686,587
3 Claims. (Cl. 150—29)



1. In combination with a hand-bag frame of the type having hinged thermoplastic jaws adapted to be moved between a closed position with the jaws in parallel relation and an open position with the jaws angularly disposed, a spring hinge including leaves each terminating outwardly for a substantial part of its length in a plurality of parallel serrated prongs, each of said jaws having a like plurality of holes in the hinged edge drilled radially to the axis of angular movement and suitably spaced to receive the respective prongs, said holes being of a diameter so proportioned to the transverse dimensions of said prongs as to accommodate them with a force fit such that with the thermopastic material at the temperature to give the required relation between degree of plasticity and force employed said prongs including the serrations thereof are tightly sealed into the thermoplastic material, and the prongs of each of said leaves being thus sealed into the corresponding respective holes in each of said jaws, the relative proportions of said hinge being such that a substantial part of each leaf is concealed within the thickness of the thickness of the associated jaw leaving the adjacent side surfaces thereof undisturbed.

2. The invention set forth in claim 1 characterized in having the inner end of each of said leaves split, the metal to one side of the split forming a flat spring member and the metal to the other side of the split being rolled to form a sleeve member, a pivot pin in said pivotal connection, said leaves being assembled complementally with the sleeve members disposed adjacently on and encircling said pin and the spring member of each leaf overlying the respective sleeve member of the other leaf, and detent means on said sleeve members cooperating with said spring members to urge said hinge to a closed position and to an open position.

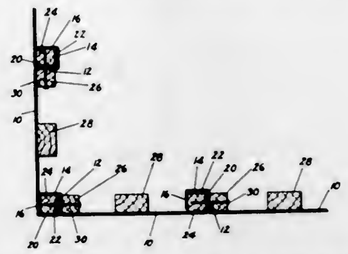
2,578,613
SECOND AND THIRD HARMONIC GENERATOR
Harry Sussman, Great Neck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 24, 1947, Serial No. 724,203
7 Claims. (Cl. 250—36)



1. A harmonic generator comprising an oscillator, an even harmonic suppressor coupled to the output of said oscillator, said suppressor consisting of an electronic amplifier having a push-pull output circuit, a saturable core transformer connected to the output of said suppressor, and a degenerative amplifier for amplifying the output of said transformer comprising an electronic amplifying device having a portion of its output fed back to its input through a frequency-responsive filter network so as to de-emphasize all frequencies but the third harmonic of the frequency of said oscillator.

2,578,614
WALL CONSTRUCTION PANEL
Joseph Sylvan, Berkley, Mich.
Application March 31, 1947, Serial No. 738,284
1 Claim. (Cl. 189—34)

A structural wall panel comprising a metal sheet having each of its two opposite linear marginal portions bent upon itself defining a marginal channel, one of said marginal portions being formed by one marginal portion being bent rearwardly normal to the face of the panel and then bent inwardly parallel to the face of the panel providing a channel opening inwardly parallel to the rear face of the panel, a wood filler reinforcing strip extending through said channel and filling the same, the other marginal portion being formed by the other linear marginal portion of the panel being bent rearwardly normal to the face of the panel and then bent outwardly parallel to the face of the panel and then bent



frontwardly normal to the face of the panel providing a channel which opens frontwardly toward the front face of the panel and is disposed laterally offset and to the rear of the plane of the extended front face of the panel, a wood filler reinforcing strip extending along the rear face of the panel adjacent to the inner side of said last mentioned channel and secured thereto, said last mentioned channel having interior dimensions slightly greater than the exterior dimensions of the first mentioned channel and its contained filler strip.

2,578,615
MICROMETER MEASURING AND SCRIBING TOOL
John J. Twardowski, Greenvale, N. Y.
Application May 27, 1949, Serial No. 95,696
5 Claims. (Cl. 33—159)



1. In a measuring and scribing tool of the kind described, in combination, scribing means, parallel supporting means for said scribing means, guiding means to maintain the supporting means in spaced, operable relation, a scale on said guiding means, a longitudinally extending member protruded through the supporting means, other means connected to the member and supporting means and rotatable with the member to move said supporting means, said other means being longitudinally adjustable on the said member, and a vernier dial secured to the member and coactable with the scale to indicate measuring values.

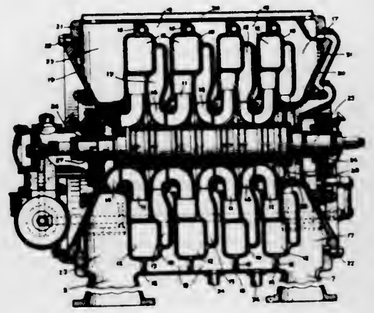
2,578,616
HAND SHEARS FOR PINKING
Edward M. Wallace, Union, N. J.
Application June 28, 1949, Serial No. 101,735
10 Claims. (Cl. 30—230)

1. Pinking shears comprising a pair of pivotally connected flat and broad jaw members assembled with the planes of the broad faces thereof substantially parallel, each jaw member having a recessed seat in a broad face thereof terminating at its forward end in an angular portion leading to the outer side margin of the jaw member, pinking blades in the form of elongated flat members of substantial thickness and rigidity having cutting sections for forward extension from the respective jaw members, each blade



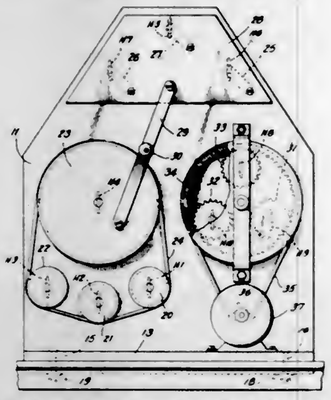
cutting section having a butt portion conforming to and fixedly mounted in the seat of a jaw member, whereby the rearward end of the cutting section lies adjacent to the outer side margin of the jaw member from which it extends, and a twisted portion connecting said cutting section with its butt portion, whereby the cutting section is disposed in a plane substantially at right angles to the plane of the jaw member from which it extends.

2,578,617
MULTISTAGE CENTRIFUGAL COMPRESSOR
Ralph M. Watson, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application November 15, 1946, Serial No. 710,070
11 Claims. (Cl. 230—130)



1. In a multi-stage centrifugal compressor, a series of unit-stage casings each including an impeller, a diffusion passage, and a return passage for delivering fluid to the suction of the succeeding unit-stage casing, a housing enclosing all of said unit-stage casings, annular flanges on the perimeter of said unit-stage casings, said housing provided with grooves receiving said flanges for connecting each unit-stage casing to said housing independently of the other unit stage casings, said unit casings and flanges arranged to form a clearance space between the suction side wall of one unit-stage casing and the discharge side wall of the preceding unit-stage casing, said clearance spaces being sealed from each other by said flanges, a passage connecting the clearance spaces with the discharge of the next succeeding impeller whereby each unit-stage casing will be subjected to a relatively small pressure difference.

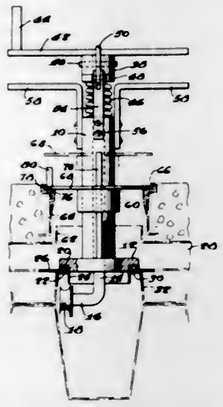
2,578,618
CORD TWISTING MACHINE
George F. Weinland, Canadensis, Pa.
Application August 1, 1950, Serial No. 177,830
1 Claim. (Cl. 57—25)



A cord twisting machine comprising a plate having a base thereon and attaching means associated with said base adapted to secure the plate to a supporting surface, a plurality of pulley wheels respectively journalled on said plate in a cluster, one of said pulley wheels being larger than the others, a pulley belt extending over all of said wheels so that rotation of the large wheel will cause rotation of the other wheel, hooks for receiving cords connected respectively to the pulley wheels and extending outwardly from the opposite side of the plate from which the pulley wheels extend, a plurality of other hooks arranged in a cluster spaced from the first cluster of hooks and journalled respectively on said plate, cranks connected respectively with these last mentioned hooks and extending from the same side of the plate from which the above mentioned pulleys extend and journalled respectively thereon, a common plate pivotally connected to the outer ends of all of said cranks, and a common bar extending between the large pulley wheel and the common plate and having its ends respectively pivotally connected therewith and handle means on said bar whereby upon moving the handle means and the bar all of the pulleys of the clusters will be rotated to effect a twisting action of any cords assembled thereon, and plate means having fixed hooks and adapted to receive and retain the cords while they are being twisted.

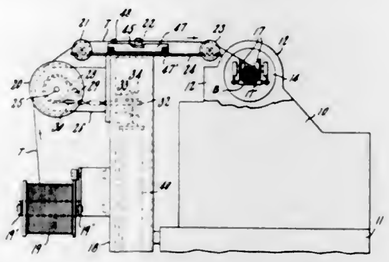
2,578,619
GROMMET APPLYING TOOL WITH RESILIENTLY URGED LONGITUDINALLY SHIFTABLE UPSETTING ELEMENT
Joseph W. Wiesmann, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1949, Serial No. 80,135
6 Claims. (Cl. 218—25)

1. A grommet applying tool for bushing an opening comprising a circular die member for engagement with the upper portion of the grommet, a roller for engagement with the lower edge of said grommet, means for operatively supporting the roller for movement toward and away from the die member, spring means for normally yieldingly urging the roller toward the die and into operative relation to the grommet, means for moving the roller away from the die to an extended position to permit insertion of the roller through said opening and into operative relation to said lower edge, latch means for restraining said spring means and for maintaining the roller locked in its extended position during the positioning of the tool, said roller



being elevated toward said die and into pressing engagement with said lower edge by said spring means upon release of the latch of said locking means, and means for revolving the roller along said edge while maintained in said pressing engagement by said spring means to perform the grommet applying operation.

2,578,620
METHOD OF CONTROLLING THREAD TENSION
Kurt E. Wilhelm, Warren, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 30, 1948, Serial No. 24,364
7 Claims. (Cl. 242—45)



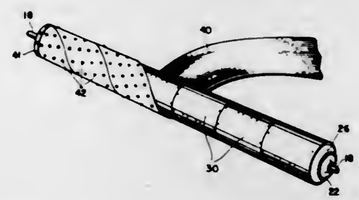
1. The method of controlling the tensile stress in an advancing thread, which consists in advancing the thread under tension over a supporting point, causing a definite length of the thread to vibrate between said point and a second support at the natural frequency for such length so that the cycles of change in pressure exerted upon said point by the thread will correspond to the thread vibrations, electrically detecting the frequency of these cycles of change in pressure and comparing them with a selected standard frequency, and automatically adjusting the tension of the thread as change in the frequency of such cycles occur to thereby keep the tensile stress of the thread at a selected value.

2,578,621
RESPIRATOR MASK
William P. Yant, Murraysville, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1945, Serial No. 637,822
2 Claims. (Cl. 128—146)



1. A respirator half mask comprising a face-piece formed of resilient material and having a nose-covering portion conforming roughly to the shape of the nose, and a cross member at the rear of the face-piece extending across the lower end of said nose-covering portion for tying opposite sides of said portion together.

2,578,622
NET ROLLER FOR FISHING BOATS
William S. York, Bellingham, Wash., assignor to Northern Marine Corporation, Bellingham, Wash., a corporation of Washington
Application August 27, 1948, Serial No. 46,530
2 Claims. (Cl. 254—138)

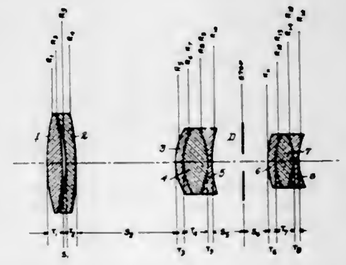


2. A net retrieving roller for fishing boats, comprising: a shaft to be driven, means for driving said shaft, annular support means carried by said shaft in spaced apart relation longitudinally therealong, semi-cylindrical casing segments mounted on said support means in pairs to form a cylindrical element, adjacent pairs of said semi-cylindrical casing segments being secured in 90° phase to each other to distribute throughout the fastening means the forces applied to said roller during use, and a rubber sheathing adhesively applied to said roller and encasing the same, said sheathing having protuberances outstanding therefrom and distributed thereover in spaced apart relation to engage the meshes of a fishing net, said rubber sheathing being formed of a strip of rubber of greater length than said drum and of a width less than the diameter thereof and wrapped spirally thereabout, said rubber being of a softness that the knots of the meshed fishing net will normally depress the sheathing and tend to move therewith.

2,578,623
CONCENTRATION OF THORIUM
George F. Asselin, Kankakee, and Ludwig F. Audrieth, Urbana, Ill., assignors to United States of America as represented by the Secretary of the Navy
No Drawing. Application May 27, 1948, Serial No. 29,665
12 Claims. (Cl. 23—14.5)

1. A process for the extraction of thorium from an aqueous solution containing thorium and rare earths and a soluble thiocyanate, by treatment with a water immiscible organic solvent.

2,578,624
THREE-COMPONENT LENS SYSTEM OF THE PETZVAL TYPE
Frank Gerard Back, New York, and Herbert Lowen, Forest Hills, N. Y.; said Lowen assignor to said Back
Application May 3, 1949, Serial No. 91,132
1 Claim. (Cl. 88—57)



An objective of the Petzval type comprising a front doublet and two rear triplets having the following characteristics:

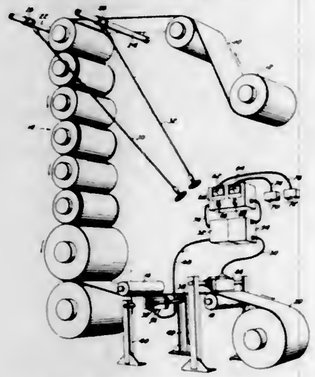
[Equivalent Focal Length=100 mm. Radii, Thickness and Separation in mm.]

Lens	Glass	Radii	Thickness and Separation
L_1	BSC = −2 ND = −1.517 ν = −64.5	R_1 = +103.47 R_2 = +103.47	T_1 = −18
L_2	DF = −2 ND = −1.617 ν = −36.6	R_3 = −100.73 R_4 = +1151.84	S_1 = 0.23 T_2 = 3.60
L_3	DF = −2 ND = −1.617 ν = −36.6	R_5 = +61.45 R_6 = −61.45	S_2 = 98.92 T_3 = 2.09
L_4	BSC = −2 ND = −1.517 ν = −64.5	R_7 = +61.45 R_8 = +61.45	S_3 = .00 T_4 = 7.21
L_5	DF = −2 ND = −1.617 ν = −36.6	R_9 = −61.45 R_{10} = −761.58	S_4 = .00 T_5 = 2.09
L_6	LF = −2 ND = −1.5795 ν = −41.	R_{11} = +61.59 R_{12} = −41.10	S_5 = 3.00 S_6 = 3.00 T_6 = 2.40
L_7	DBC = −1 ND = −1.611 ν = −58.4	R_{13} = +41.10 R_{14} = +107.47	S_7 = .00 T_7 = 7.21
L_8	LF = −2 ND = −1.5796 ν = −41.	R_{15} = −107.47 R_{16} = −296.15	S_8 = .00 T_8 = 2.40

wherein, BSC is for borosilicate crown, DF is for dense flint, DBC is for dense borium crown, LF is for light flint, ND is the index of refraction for

sodium light (5893–A), V is the Abbe number, R is the radius of curvature of the refracting lens surfaces, S is the axial spacing of the lens elements and T is the axial thickness of the lens elements.

2,578,625
GLOSSMETER
Kenneth Bowers, Hudson Falls, and Thomas E. Mason, Glens Falls, N. Y., assignors to Glens Falls Laboratory, Inc., Glens Falls, N. Y.
Application July 3, 1948, Serial No. 37,034
2 Claims. (Cl. 88—14)



1. In apparatus for instantaneously measuring the gloss of one side of a running web of paper and continuously comparing this measurement with a similar measurement of the gloss of a given standard, comprising, in combination, a fixed supporting bar extending across said running web and spaced therefrom; a casing adjustably mounted on said supporting bar to permit transverse movement of said casing across said web and having an aperture confronting said web; a light source positioned within said casing; a first mirror positioned between said light source and said web and inclined at an angle of about 52½° to the plane of said web to direct a first beam of light from said source through said aperture to said web at an angle of incidence of about 75°; a first vacuum-type phototube mounted within said casing at approximately the same distance from said web as said first mirror to receive said first beam after it is reflected from said web; a gloss standard having a plane ground glass surface of predetermined, uniform gloss characteristic mounted within said casing parallel to the plane of said web; a second mirror within said casing positioned on the opposite side of said light source from said web and inclined at an angle of about 142½° to the plane of said web to direct a second beam of light from said source onto said gloss standard at an angle of incidence of about 75°; a second vacuum-type phototube mounted within said casing at approximately the same distance from said web as said second mirror for receiving the reflected beam from said gloss standard; electrical measuring means mounted at a point remote from said casing and web and adapted to receive and compare the electrical signals created by said beams impinging on said phototubes, said measuring means comprising a vacuum tube bridge circuit and indicating meter responsive to the degree of unbalance of said bridge to indicate deviation of the gloss characteristic of said web from said gloss standard; and flexible conductors interconnecting said phototubes and said bridge circuits.

2,578,626
APPARATUS FOR WRAPPING PLASTIC CONFECTIONS
Jacques Edwin Brandenberger, Paris, France, assignor to Societe La Cellophane (Swisse), Basel, Switzerland, a Swiss body corporate
Application December 7, 1949, Serial No. 131,683
In Great Britain December 17, 1948
17 Claims. (Cl. 93—3)

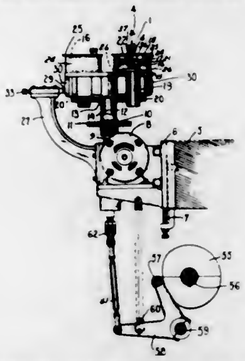


1. Apparatus for producing wrapped bars of chocolate of uniform shape and constant weight comprising a nozzle having a delivery end of rectangular cross-section and a rectangular discharge opening, means for continuously drawing a strip of the wrapper material past the nozzle, means for folding the longitudinal edges of the moving strip round the nozzle to make a flexible tube of generally flat shape, means for continuously filling the moving tube with chocolate so that the filled tube remains generally flat, smoothing elements to press continuously on the flat surfaces of the chocolate filled tube whereby surface irregularities and occluded air are moved from the tube and the flat tube is given a regular cross-sectional shape, means for cooling the tube to bring the chocolate to a desired plastic condition, a pair of discs the peripheries of which engage opposite edges of the tube, at least one peripheral projection, of a thickness less than the thickness of the tube, on each disc, said projections forming pairs of opposite grooves, at regular intervals along the tube, a pair of rollers, at least one flat-topped, lengthwise extending ridge on each roller, the ridges being arranged to engage in pairs to press the flat surfaces of the tube together to form a closure strip across each pair of grooves, a pair of horozontal endless chains, between an upper and lower part of which the chocolate tube passes, projecting bars at regular intervals along the chains, pairs of which engage opposite sides of the closure strips, at least one pair of plates to press on and smooth the flat surfaces of the tube between the next adjacent closure strips, and means to cut the tube at the closure strips, the lower chain extending beyond the upper chain to carry the tube to the tube-cutting means.

2,578,627
APPARATUS FOR APPLYING A PRIMER COATING TO THE STEMS OF FLASH LAMPS
George D. P. Brent, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 11, 1948, Serial No. 14,236
10 Claims. (Cl. 91—46)

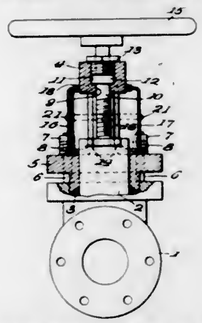
1. A mechanism for dip coating the filament and lead wires of a lamp stem comprising: a container for the coating material; means to rotate said container; a fixed plow member, having an aperture therein, extending into said coating material and maintained therein with its flat side disposed at an angle to the flow of the coating material and the aperture located therein extends in the direction of such flow whereby the coating material which is caused to flow through the aperture in said plow when the container is rotated is maintained at a predetermined constant level at the outlet of said aperture; and means to effect relative movement between the container

of coating material and the lamp stem to bring a portion of the filament and lead wires of the lamp



stem into wetting contact with the coating material as it flows out of the aperture in said plow.

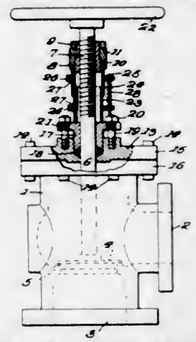
2,578,628
VALVE PROTECTOR
Joseph H. Hartman, Norristown, Pa.
Application May 31, 1949, Serial No. 96,311
4 Claims. (Cl. 251—150)



1. In association with a valve of the type having a yoke projecting outwardly from a casing part, said yoke having diametrically opposite side arms extending upwardly from said casing part and a cylindrical bearing at the upper ends of the side arms, and an actuating shank extending outwardly between the side arms of said yoke and through said cylindrical center bearing; a protector comprising two enclosure sections at opposite sides of said yoke, said enclosure sections contacting with said casing part and cylindrical bearing and with said opposite sides of said yoke arms and cooperating with said casing part and yoke in forming a complete enclosure around said shank, and means for holding said enclosure sections in place.

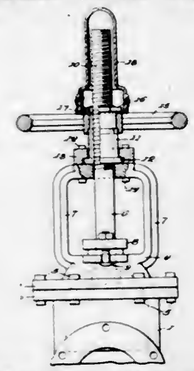
2,578,629
VALVE PROTECTOR
Joseph H. Hartman, Norristown, Pa.
Application May 31, 1949, Serial No. 96,312
6 Claims. (Cl. 137—111)

1. A valve shank protector for a valve having an exposed portion of its shank, comprising a pair of split, axially hinged sleeves telescoped and adaptable to be placed around the exposed portion of the valve shank, a common hinge pin slidably fitting in said axial hinges whereby to keep the sleeves in telescoping relation while permitting axial movement, and biasing means guided on said hinge pin between said hinges for urging said telescoped sleeves axially outwardly of each other to maintain close contact with the



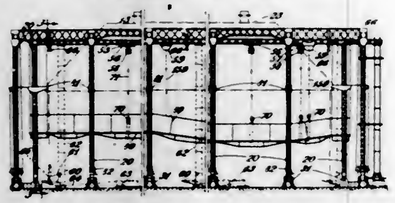
valve structure adjacent the ends of the exposed portion of the valve shank and completely close the said portion against attack by dirt, grime, chemicals or any other harmful agents that might be present.

2,578,630
VALVE SHANK PROTECTOR
Joseph H. Hartman, Norristown, Pa.
Application May 31, 1949, Serial No. 96,313
2 Claims. (Cl. 251—150)



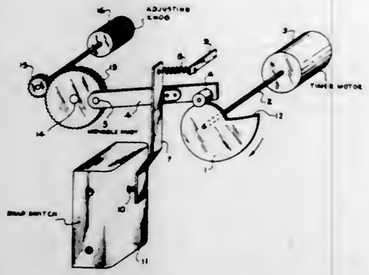
1. In association with a valve actuating means of the type having a hand wheel and a central mounting hub, a sleeve-like nut extending through said hand wheel hub, coacting abutment shoulders on the lower end of the hub and said sleeve-like nut, a lock nut on the outer end of said sleeve-like nut and engaged with said hub for securing said wheel and said sleeve-like nut together, and a screw extending through said sleeve-like nut, a cap having an annular body portion and a continuous side wall, said annular portion being disposed transversely radially to the axis of the screw and surrounding said sleeve-like nut and being clamped against the hub of said hand wheel by means of said lock nut, said continuous side wall extending outwardly away from said hand wheel, a protecting container surrounding the outer portion of said screw and having a closed outer end, said container having its inner end closed by said cap, and coacting means on said inner end of said container and said side wall of said cap for detachably securing said container to said cap.

2,578,631
ERECTION OF BUILDINGS
Howard Howard-Smith, Birmingham, England
Application June 14, 1945, Serial No. 599,389
In Great Britain June 12, 1944
3 Claims. (Cl. 214—1)



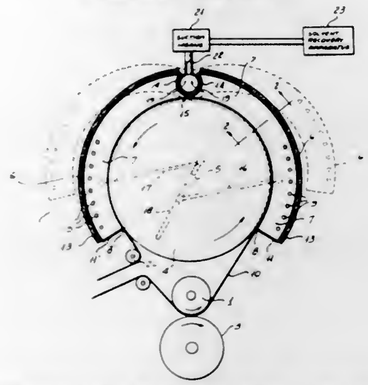
1. Equipment for erecting a prefabricated building and comprising a series of base members located to define a building area, each base member having a base plate, a pair of sockets and slotted side cheeks to said sockets, a pillar engaged by its lower end in each of said sockets and having a part slidingly and adjustably engaged in the corresponding slotted cheek, a series of frame members constituting an overhead framework and carried at the upper ends of the pillars, readily detachable pins engaging within registering holes in the pillars and frame members at their meeting portions, runways carried on said framework, lifting means comprising a number of transverse rails supported from and below the level of said runways so as to traverse said runways, fixed extension rails secured to the overhead framework at the level of and parallel to said transverse rails, a travelling carriage carried on each of said transverse rails and capable of traversing said transverse rails and said extension rails, and a lifting hoist carried by each of said carriages.

2,578,632
CONTROL DEVICE
Wayland R. Miller, Whitefish Bay, Wis., assignor to Miller-Harris Instrument Co., Milwaukee, Wis.
Application November 21, 1946, Serial No. 711,445
7 Claims. (Cl. 200—33)



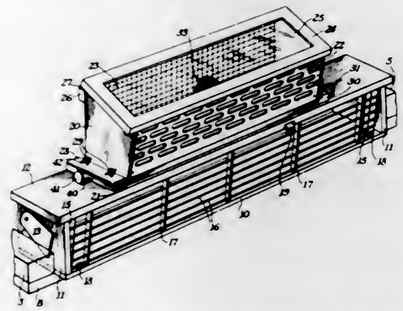
1. In a controller, in combination, a movable actuator member, a control device, a follower member having a first portion in abutting relation to said actuator member and a second portion in abutting relation to the control device, said first portion being adapted to disengage the actuator member and said second portion being adapted to disengage the control device upon movement of the follower member in a single direction, biasing means for biasing the follower member toward engagement with the actuator member and control device, a pivot for said follower member, said pivot being constructed and arranged to bodily support said follower member, and adjustable means for moving the pivot of said follower member in a manner to vary the position of said actuator member at which the control device is actuated by said follower member.

2,578,633
DRIER FOR PRINTED WEBS
Marcel Mauffre, Paris, France, assignor to La Cellophane, Paris, France, a French company
Application April 25, 1950, Serial No. 157,873
In France April 29, 1949
4 Claims. (Cl. 34—87)



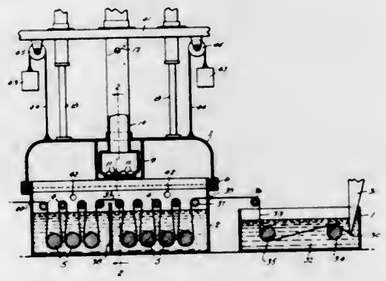
1. A device for drying the ink on printed webs of non-absorbent material, comprising a drum having a peripheral surface around which the web passes for drying, an arcuate casing extending around a substantial portion of the periphery of said drum and having closed sides and ends forming with said drum an arcuate drying chamber, sources of infra red radiations in said casing disposed to radiate onto said web at least at the entrance end of said chamber, a suction duct communicating with said casing to remove vapors from said chamber, means mounting said casing to be elevated from said drum, and means actuated by elevation of said casing to close said suction duct.

2,578,634
QUEEN AND DRONE TRAP
Charles H. Pease, Canaan, Conn., assignor of one-fourth to Clarence W. Carroll, Rochester, N. Y.
Application October 29, 1949, Serial No. 124,368
2 Claims. (Cl. 6—7)



1. A queen and drone trap adapted to cover the entrance of a beehive, comprising, in combination, a lower compartment open toward the hive and having a drone-confining front wall and an opening in its top wall; an upper compartment having a transparent cover and a drone-confining front wall and detachably mounted on the lower compartment; a drone-confining partition in the upper compartment and spaced from the lower edges of the latter, said partition having a bee-escape cone or equivalent to permit passage of both drones, queens and worker bees into the upper compartment; a spacer between the upper and lower compartments provided with a return port; and independently movable closures for the return port and for the opening aforesaid.

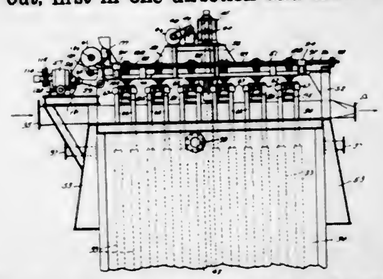
2,578,635
HOOD FOR COLLECTING GASES
Paul Pierrat and Eugene Colombu, Paris, France, assignors to La Cellophane, a French company
Application January 4, 1950, Serial No. 136,673
In France January 13, 1949
3 Claims. (Cl. 18—8)



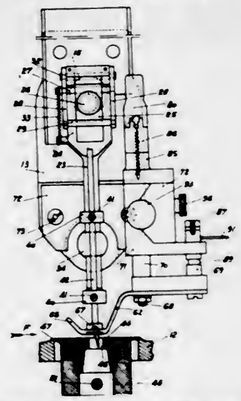
1. In a viscose spinning or casting machine, means forming viscose into a continuous flat web, side and end walls forming an open top tank containing a treating liquid, means feeding said web through said treating liquid, a movable hood closing the top of said tank, a hydraulic seal extending around the top of said walls, with the lower edge of said hood forming a part of said seal, a stationary suction duct passing vertically through said head and having ports communicating with the interior of said tank, a hydraulic lifting device connected to said hood to lift the hood for access to said tank, said hood having a member having a sliding fit around said duct and movable with the hood to maintain a gas-tight connection, and means counterbalancing said hood for lifting.

2,578,636
TUBE THICKENER
Edmund G. Smith, Cedar Grove, and Otell M. Cocchiarella, Newark, N. J., assignors to Equipment Development Co., Inc., Montclair, N. J., a corporation of New Jersey
Application March 17, 1948, Serial No. 15,396
15 Claims. (Cl. 210—152)

1. The method of removing a filter cake from a tube filter having a tubular surface composed of a flexible filter material which comprises, at the end of the filter period, returning liquid to the interior of said tube filter to cause the material to balloon out, then rapdily oscillating said filter laterally with respect to its axis in said slurry to cause the filter material to balloon out, first in one direction and then in the other on its trailing side so as to dislodge the filter cake therefrom.



2,578,637
MACHINE FOR CUTTING SHEET MATERIALS
David Taubé, Paris, France
Application December 15, 1948, Serial No. 65,346
In France January 16, 1948
3 Claims. (Cl. 164—53)

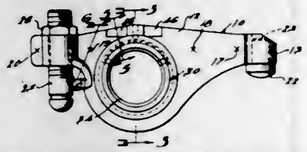


1. A machine for cutting sheet materials comprising in combination a cutter support mounted for reciprocating movement in a substantially vertical direction, a thin narrow cutter parallelly fixed to the cutter support and having a cutting edge slightly oblique relatively to the vertical, means acting on the cutter support for making the cutting edge of the cutter describe an ellipse with its major axis vertical, said means comprising an eccentric connected to the upper end of the cutter support and a guide pivotally mounted on a fixed horizontal axis and embracing the cutter support adjacent its lower end so that the cutter support can freely slide longitudinally therein, a horizontal table beneath the cutter, said table having a slot therein in alignment with the cutter for reception of the cutting edge of the cutter, and a bifurcated presser foot disposed about the cutter above the slot.

2,578,638
ROCKER ARM
John R. Winter, Jr., Detroit, Mich., assignor, by direct and meine assignments, to John R. Winter, Sr., Detroit, Mich.
Application July 19, 1944, Serial No. 545,597
6 Claims. (Cl. 74—519)

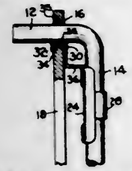
1. A rocker arm assembly comprising an arm having a transverse opening, a tubular hub ele-

ment extending through the opening, and means rigidly connecting the arm to the hub element and comprising annular heads on the element and tightly engaging and bearing inwardly against respectively opposite sides of the arm and being at



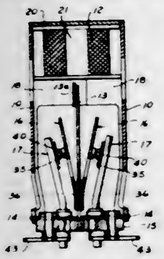
least slightly embedded therein in an area surrounding said opening, and oil channel-defining means comprising an opening extending through the arm and a communicating opening extending through the hub in an area between said bulbed heads.

2,578,639
FASTENING DEVICE
William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 2, 1949, Serial No. 130,783
5 Claims. (Cl. 287—93)



1. A fastening device for connecting a push rod having a journal portion extending substantially normal to the axis thereof with a lever member having a journal-receiving opening therein, said fastening device comprising a clip portion adapted to detachably engage the push rod adjacent one side of the lever member, and a lever member engaging portion extending therefrom comprising a thrust-bearing portion and a connecting member attaching said thrust-bearing portion to said clip portion, said thrust-bearing portion being of a size and shape to pass through the opening and bear against the opposite side of the lever member.

2,578,640
VIBRATOR
Charles F. Coake, Indianapolis, Ind., assignor to Senn Corporation, New Augusta, Ind., a corporation of Indiana
Application April 18, 1946, Serial No. 663,199
3 Claims. (Cl. 200—90)



1. An electromagnetic vibrator comprising a vibratory reed, a pair of inner contact arms carrying contacts mounted on opposite sides of one end of said reed, and a pair of outer contact arms carrying contacts for engagement with the contacts of the respective inner contact arms mounted independently of and extending generally parallel to and in the same direction as said inner contact arms, all of said contact arms having reversely extending portions carrying their contacts and having compliances selected according to the formula

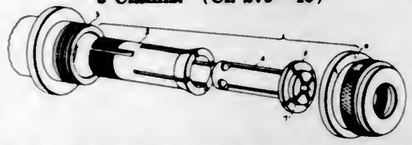
$$a+d=b+c$$

where a and c represent the compliances of the respective cooperating contact arms from their support to their contact lines, and b and d represent the compliances of said contact arms from said contact lines around the reverse portions to said contacts.

2,578,641
BICYCLOHEXYLAMINE SALT OF PENICILLIN
Douglas E. Cooper, Syracuse, N. Y., assignor to Bristol Laboratories, Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application September 4, 1946, Serial No. 694,820
2 Claims. (Cl. 260—239.1)

1. A salt of penicillin and 4-cyclohexylcyclohexylamine.

2,578,642
COLLET STRUCTURE
Floyd L. Dodge, Waltham, Mass., assignor to The Wade Tool Co., Waltham, Mass., a partnership
Application February 11, 1949, Serial No. 75,855
3 Claims. (Cl. 279—49)

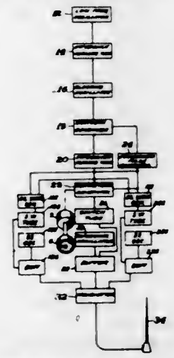


1. In a lathe, the combination with a spindle and a collet mounted in said spindle, of a sleeve fitting in said collet and in which the stock to be operated upon is positioned, said sleeve being radially expansible and contractible with the action of said collet, whereby when the collet is contracted to grip the work it contracts the sleeve upon the work and secures the latter in a fixed position in the spindle, said sleeve having a flange at the forward end thereof extending laterally into a position between the forward end of said spindle and the spindle cap, whereby these parts cooperate with the flange to hold the sleeve in a fixed axial position in said spindle.

2,578,643
TELEMETERING SYSTEM
Lamar E. Hayslett, Kenmore, and Francis M. Schmidt, North Tonawanda, N. Y., assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application February 28, 1947, Serial No. 731,470
11 Claims. (Cl. 177—351)

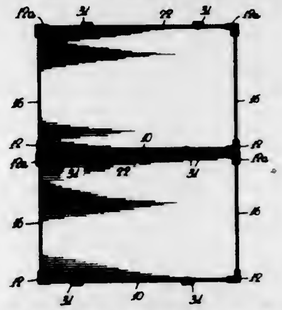
1. In a telemetering system for transmitting data by electrical pulses of variable length under the control of a transmitting instrument, a variable potential source controlled by said instrument, a sawtooth generator including a gas-filled electron tube and a timing capacitor having a discharge path through said tube when said tube is conductive, stabilized-frequency means for periodically rendering said tube conductive, a square

wave generator arranged to be biased by said variable potential source, circuit means for applying the output of said sawtooth generator to said square wave generator, said square wave generator being effective in response to a particular value of applied potential as determined by the bias voltage for initiating a control pulse, and an extinguishing pulse generator including a nor-



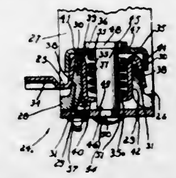
mally charged capacitor, an electron tube biased by said sawtooth generator and effective to discharge said normally charged capacitor concurrently with each discharge of said timing capacitor, and a pulse transformer having a primary arranged in the discharge path of said normally charged capacitor and a secondary arranged in the operating circuit of said square wave generator.

2,578,644
CHEST OR THE LIKE
Steven E. Mautner, Port Jervis, N. Y., assignor to Skydyne, Inc., Port Jervis, N. Y., a corporation of New York
Application August 7, 1945, Serial No. 609,439
1 Claim. (Cl. 217—65)



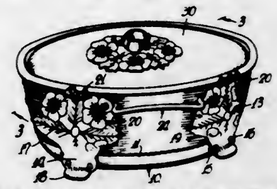
A chest or the like having a top panel and a bottom panel, framing means for holding the edges of said panels and projecting from the outer surfaces of said panels, whereby said panels will be depressed below the edge framing means and when one chest is stacked on top of another the framing means of the bottom chest will be contacted by the framing means of the top chest so that the top chest will be supported on the framing means of the bottom chest and there is a substantial space between the top of the lower chest and the bottom of the top chest, skid means for holding the chests against sliding comprising a pair of elongated blocks secured to the top panel of the bottom chest, said blocks being arranged substantially parallel to each other in offset relation and corners adjacent each other so that there are two pairs of right angular arranged abutment faces, corresponding faces being generally in line with each other and the two pairs of faces being generally at right angles to each other, the bottom of a chest to rest on the bottom chest having a corresponding pair of blocks arranged as aforesaid and on the bottom of the top chest and positioned to engage corresponding abutment faces of the first mentioned blocks, a second set of blocks on the bottom and top panels and spaced from the other blocks and arranged the same as the first set of blocks, whereby the abutment surfaces on each pair of blocks on the bottom panel will contact adjacent surfaces on the corresponding blocks of the top panel so as to hold said chests against sliding off in any direction, all of said blocks being of a thickness to fit between said top and bottom panels so that the top chest is carried by the frame means of the lower chest and not by the top panel thereof.

2,578,645
IDLER ARM PIVOT JOINT
Bernard E. Ricks, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 30, 1950, Serial No. 198,433
8 Claims. (Cl. 287—96)



7. A joint construction comprising a first member having an aperture therethrough with an upstanding annular flange, said annular flange having a tapered outer wall and a cylindrical inner wall, said tapered outer wall converging toward the free end of the flange, a second member having an annular recess with side walls respectively seated on the cylindrical inner wall and tapered outer wall of said flange, and spring means acting on said first and second members for urging said members together into good bearing relation.

2,578,646
DISH HOLDER
August Ruben, Brooklyn, N. Y., assignor to Continental Silver Co. Inc., a corporation of New York
Application September 11, 1951, Serial No. 246,093
9 Claims. (Cl. 65—61)



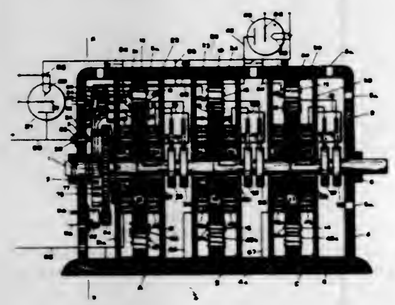
1. A dish holder comprising a base having a peripheral flange, a plurality of substantially identical upright dish-retaining elements each rigidly affixed at spaced intervals substantially in face-to-face relation against said flange, each of said dish-retaining elements being a unitary piece of relatively stiff, resilient sheet material extending

upwardly of said base and transversely conformed to substantially the shape of a conventional rigid dish resting upon said base, said holder having slight resilience for releasably clasping said dish between such dish-retaining members.

2,578,647
METHOD OF PREPARING ESTERS OF 1,2,4-BUTANETRIOL
Charles H. Stiteler, Hillsdale, and Pliny O. Tawney, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 18, 1950, Serial No. 190,870
8 Claims. (Cl. 260—491)

1. The process of preparing an ester of 1,2,4-butanetriol with an aliphatic saturated monocarboxylic acid having not more than four carbon atoms per molecule which comprises heating a mixture comprising an allyl compound selected from the group consisting of allyl alcohol and an ester of allyl alcohol with an aliphatic saturated monocarboxylic acid having not more than four carbon atoms per molecule, concentrated sulfuric acid, formaldehyde, an aliphatic saturated monocarboxylic acid having not more than four carbon atoms per molecule, and an anhydride of an aliphatic saturated monocarboxylic acid having from two to four carbon atoms per molecule.

2,578,648
ELECTROMAGNETIC DEVICE
Albert G. Thomas, Alexandria, Va., assignor, by mesne assignments, to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application June 9, 1945, Serial No. 598,502
1 Claim. (Cl. 172—36)

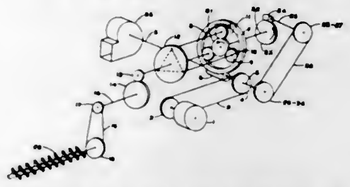


In an electromagnetic device including a stator and a rotor, a plurality of groups of stator poles and associated rotor poles, a plurality of winding means for said groups of poles, means for energizing said winding means for said groups in predetermined order, an element fixed to said rotor and having a plurality of magnetic poles; a plurality of coils, one for each of said groups, movable with said rotor; said coils being adapted to connect said energizing means to the winding means for said groups at predetermined relative positions of said stator and said rotor.

2,578,649
GLYCERIDIC OIL COMPOSITIONS AND METHOD OF PRODUCING SAME
Hans W. Vahlteich, Edgewater, N. J., Chester M. Gooding, Staten Island, N. Y., and Ralph H. Neal, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application February 20, 1948, Serial No. 9,944
21 Claims. (Cl. 99—163)

1. A food composition comprising a significant amount of a glyceridic oil having incorporated therein 0.002 to 0.1% by weight on said oil of a mono-alkyl ester of an unsymmetrical hydroxy aliphatic poly-carboxylic acid containing at least 3 carboxyl groups and which contains no functional groupings other than the hydroxyl and carboxyl groups, the primary ionization constant of said acid being within the range 1.0×10^{-2} and 1.0×10^{-4} at 25° C.

2,578,650
INDUSTRIAL STOKER DRIVE
Richard C. Wright, Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application April 28, 1947, Serial No. 744,392
2 Claims. (Cl. 74—689)



1. A stoker coal feed transmission of the V-belt controlled planetary differential type comprising an enclosing case, said case having two spaced parallel first sides and two spaced parallel other sides substantially at right angles to said first sides, a shaft journalled in said first sides, a sun pinion fixed to said shaft, a planet gear cage riding said shaft, an internal ring gear riding said shaft, planet gears rotatably carried by said planet cage and meshing with both said sun pinion and said ring gear, a first worm gear keyed to said shaft, a first worm shaft journalled in said other sides of said case, said first worm shaft having its worm meshing with said first worm gear, a second worm gear secured to said ring gear, a second worm shaft journalled in said other sides of said case and having its worm meshing with said second worm gear, said first and second worm shafts extending through the same side of said case, means outside said case for driving one of said worm shafts, means for adjusting the relative speeds of said worm shafts when said shafts are in motion, a second shaft journalled in said sides of said case parallel to said shaft, a pinion fixed to said planet cage, a hub fixed to said second shaft, a rim gear journalled on said hub and meshing with said pinion, resilient means connecting said rim gear with said hub, and means carried on said hub and operated by said rim gear for indicating the limit of torque to be applied to said hub by said rim gear.

DESIGNS

DECEMBER 11, 1951

165,355
EXPANSIBLE CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application June 29, 1951, Serial No. 15,719
Term of patent 14 years
(Cl. D45—4)



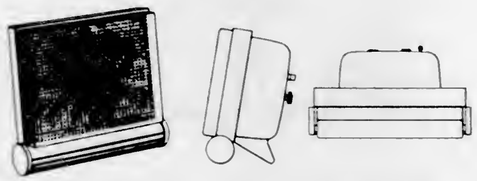
The ornamental design for an expansible chain for a bracelet or similar article, substantially as shown and described.

165,356
EXPANSIBLE CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application June 29, 1951, Serial No. 15,720
Term of patent 14 years
(Cl. D45—4)



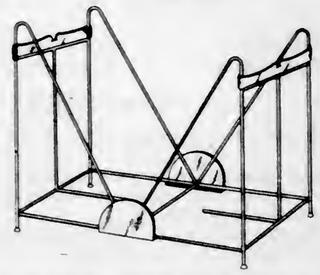
The ornamental design for an expansible chain for a bracelet or similar article, substantially as shown and described.

165,357
CLOCKCASE
Rudolph M. Babel, Pawtucket, R. I., assignor to General Electric Company, a corporation of New York
Application August 7, 1951, Serial No. 16,197
Term of patent 14 years
(Cl. D42—7)



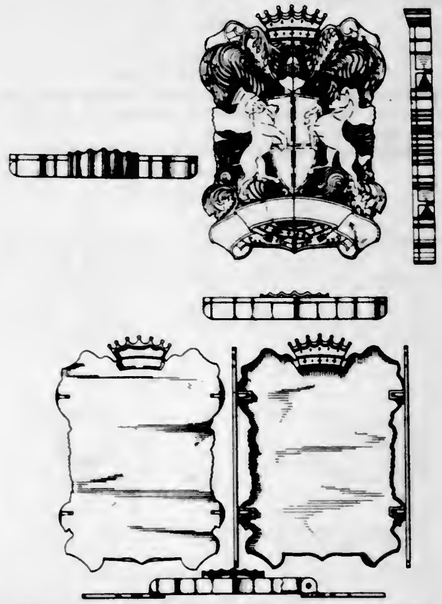
The ornamental design for a clockcase, as shown.

165,358
NEWSPAPER RACK
Gilbert W. Baldwin, Lansing, Mich.
Application June 30, 1950, Serial No. 10,907
Term of patent 3½ years
(Cl. D80—10)



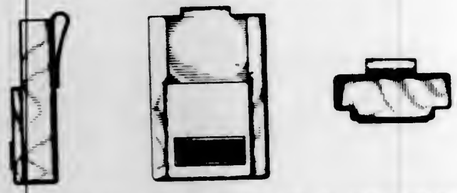
The ornamental design for a newspaper rack, as shown.

165,359
DISPLAY RECEPTACLE
Samuel Braun, Rockville Centre, and Max Crystal, Forest Hills, N. Y., assignors to Braun-Crystal Mfg. Co., Inc., Middle Village, N. Y., a corporation of New York
Application January 23, 1950, Serial No. 7,417
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a display receptacle, substantially as shown.

165,360
COMBINATION CIGARETTE AND MATCH POUCH
Jules Brettner, Bronx, N. Y.
Application March 29, 1949, Serial No. 1,688
Term of patent 3½ years
(Cl. D85—2)



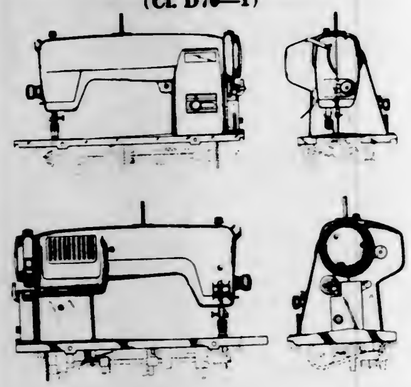
The ornamental design for a combination cigarette and match pouch, as shown and described.

165,361
BOTTLE
Lawrence A. Bruns, Relay, Md., assignor to The Crosse & Blackwell Company, Baltimore, Md., a corporation of Maryland
Application December 12, 1950, Serial No. 13,400
Term of patent 7 years
(Cl. D58—9)



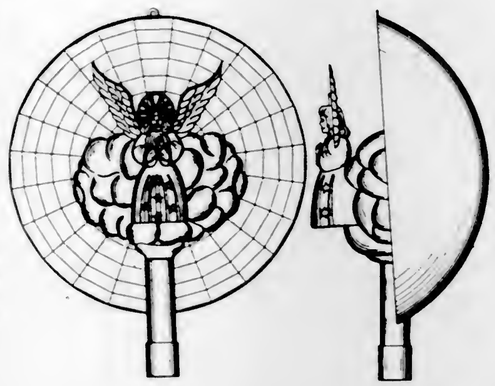
The ornamental design for a bottle, as shown and described.

165,362
SEWING-MACHINE HEAD
Robert D. Budlong, Evanston, Ill., assignor to New Process Gear Corporation, Syracuse, N. Y., a corporation of Delaware
Application May 23, 1951, Serial No. 15,293
Term of patent 14 years
(Cl. D70—1)



The ornamental design for a sewing-machine head, substantially as shown and described.

165,363
CHRISTMAS TREE TRIM OR SIMILAR ARTICLE
Jack Burnbaum, Watertown, Mass.
Application November 27, 1950, Serial No. 13,143
Term of patent 14 years
(Cl. D29—1)



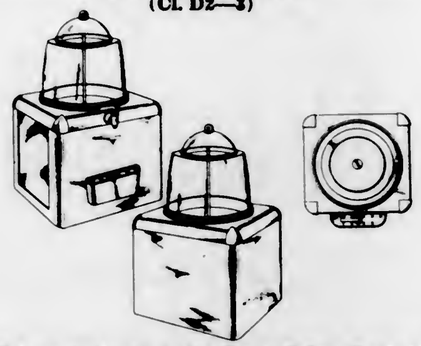
The ornamental design for a Christmas tree trim or similar article, substantially as shown.

165,364
PICTURE FRAME
James Clayman, Allston, Mass.
Application March 30, 1950, Serial No. 8,881
Term of patent 7 years
(Cl. D29—20)



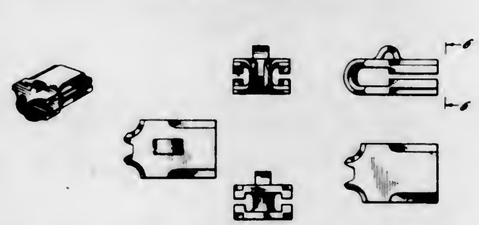
The ornamental design for a picture frame, as shown.

165,365
JUICE DISPENSER
Carl C. Conkle, Los Angeles, Calif., assignor to Ultra-Cold, Inc., Los Angeles, Calif., a corporation of California
Application August 26, 1950, Serial No. 11,943
Term of patent 14 years
(Cl. D2—3)



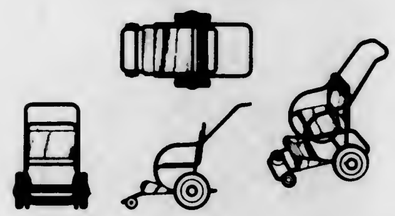
The ornamental design for a juice dispenser, substantially as shown.

165,366
SLIDER FOR SLIDE FASTENERS
Verle De Armond, Newark, N. J.
Application July 7, 1950, Serial No. 10,997
Term of patent 14 years
(Cl. D17—8)



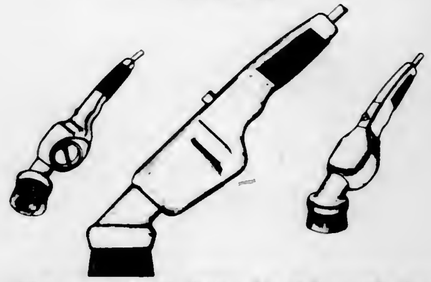
The ornamental design for a slider for slide fasteners, as shown.

165,367
PERAMBULATOR
Henry B. Eging, Shaker Heights, Ohio
Application July 20, 1951, Serial No. 15,973
Term of patent 14 years
(Cl. D14—14)



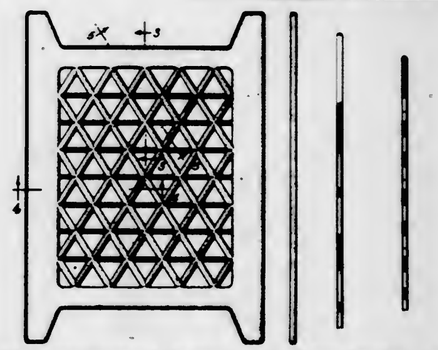
The ornamental design for a perambulator, as shown.

165,368
FOUNTAIN BRUSH
Anders H. Flater and Reald H. Flater, Evanston, Ill., assignors to Anro Products Company, Inc., Chicago, Ill., a corporation of Illinois
Application March 28, 1951, Serial No. 14,650
Term of patent 3½ years
(Cl. D9—2)



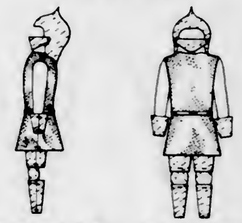
The ornamental design for a fountain brush, as shown.

165,369
LACE HOLDER
Bruno Fortuna, North Bergen, N. J.
Application November 3, 1949, Serial No. 5,846
Term of patent 14 years
(Cl. D80—5)



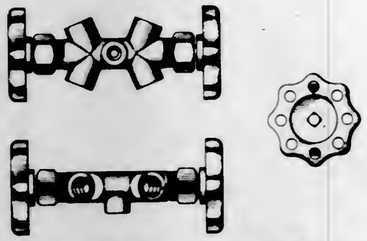
The ornamental design for a lace holder, as shown and described.

165,370
CHILD'S MASQUERADE AND PLAY COSTUME
Oliver J. Francis, Baker, Oreg.
Application May 15, 1951, Serial No. 15,185
Term of patent 14 years
(Cl. D3—17)



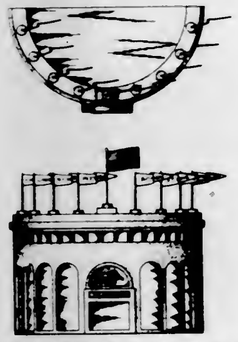
The ornamental design for a child's masquerade and play costume, as shown.

165,371
VALVE UNIT FOR TESTING AND CHARGING REFRIGERATION SYSTEMS
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 28, 1950, Serial No. 10,804
Term of patent 14 years
(Cl. D78—1)



The ornamental design for a valve unit for testing and charging refrigeration systems, as shown.

165,372
GAME INDICATOR
Maxwell Frank, New York, N. Y.
Application April 25, 1950, Serial No. 9,469
Term of patent 3½ years
(Cl. D1—2)



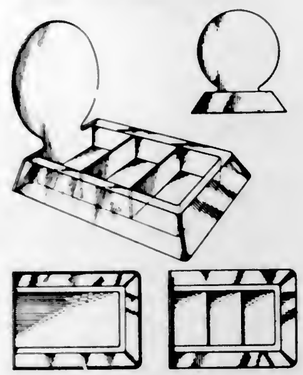
The ornamental design for a game indicator, substantially as shown and described.

165,373
HOOD
Virginia C. Hayes, Chicago, Ill.
Application March 7, 1951, Serial No. 14,407
Term of patent 14 years
(Cl. D3—13)



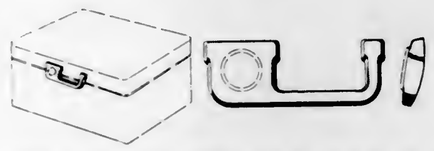
The ornamental design for a hood, substantially as shown.

165,374
HOLDER FOR MATCH BOOKS
William S. Hutcheson, Omaha, Nebr.
Application February 27, 1950, Serial No. 8,170
Term of patent 14 years
(Cl. D80—9)



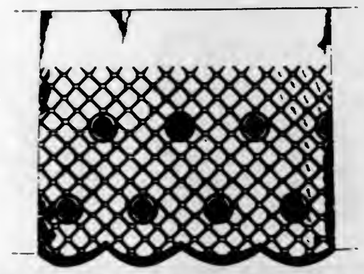
The ornamental design for a holder for match books, as shown.

165,375
HANDLE FOR REFRIGERATED CABINETS
Clare H. Kafer, Palmyra, Mich., assignor to Revco, Inc., Deerfield, Mich.
Application July 31, 1951, Serial No. 16,088
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a handle for refrigerated cabinets, as shown and described.

165,376
EMBROIDERED FABRIC
Herman Krieger, New York, N. Y., assignor to Kaufman & Krieger, Inc., New York, N. Y.
Application July 19, 1951, Serial No. 15,951
Term of patent 3½ years
(Cl. D92—1)



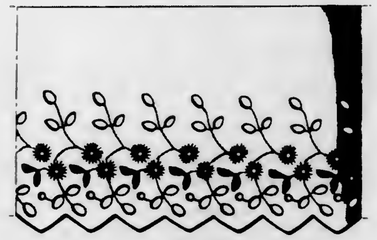
The ornamental design for an embroidered fabric, substantially as shown and described.

165,377
EMBROIDERED FABRIC
Herman Krieger, New York, N. Y., assignor to Kaufman & Krieger, Inc., New York, N. Y.
Application July 19, 1951, Serial No. 15,952
Term of patent 3½ years
(Cl. D92—1)



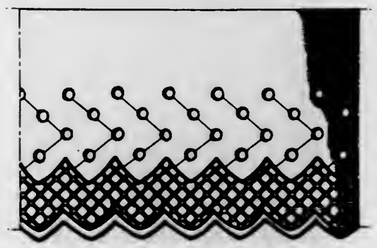
The ornamental design for an embroidered fabric, substantially as shown and described.

165,378
EMBROIDERED FABRIC
Herman Krieger, New York, N. Y., assignor to Kaufman & Krieger, Inc., New York, N. Y.
Application July 25, 1951, Serial No. 16,019
Term of patent 3½ years
(Cl. D92—1)



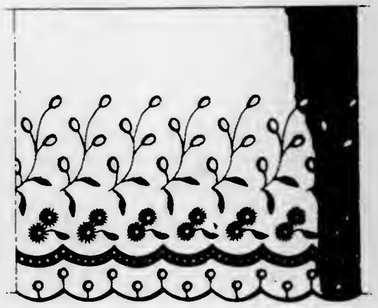
The ornamental design for an embroidered fabric, substantially as shown and described.

165,379
EMBROIDERED FABRIC
Herman Krieger, New York, N. Y., assignor to Kaufman & Krieger, Inc., New York, N. Y.
Application July 25, 1951, Serial No. 16,020
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered fabric, substantially as shown and described.

165,380
EMBROIDERED FABRIC
Herman Krieger, New York, N. Y., assignor to Kaufman & Krieger, Inc., New York, N. Y.
Application August 2, 1951, Serial No. 16,118
Term of patent 3½ years
(Cl. D92—1)



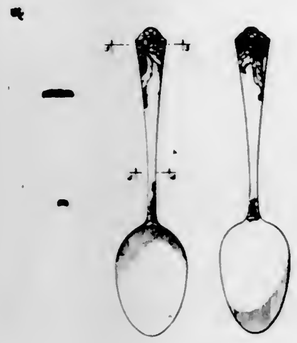
The ornamental design for an embroidered fabric, substantially as shown and described.

165,381
SCARF OR SIMILAR ARTICLE
Muriel E. Lerner, San Francisco, Calif.
Application August 5, 1950, Serial No. 11,625
Term of patent 3½ years
(Cl. D3—12)



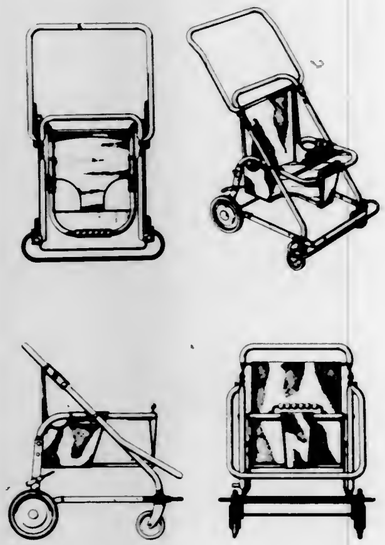
The ornamental design for a scarf or similar article, as shown and described.

165,382
SPOON OR SIMILAR ARTICLE
Isadore Albert Lipman, Meriden, Conn., assignor to Amston Silver Company, Inc., Meriden, Conn., a corporation of Connecticut
Application February 14, 1951, Serial No. 14,211
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, as shown and described.

165,383
CHILD'S WALKER-STROLLER
Moises B. Lorenzana, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 15, 1951, Serial No. 16,654
Term of patent 7 years
(Cl. D14—14)



The ornamental design for a child's walker-stroller, substantially as shown.

165,384
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application November 30, 1950, Serial No. 13,219
Term of patent 14 years
(Cl. D14—30)



The ornamental design for a wheel cover or similar article, substantially as shown and described.

165,385
COIN ACTUATED CALENDAR BANK
Alfred E. Maage, Jr., Milwaukee, Wis., assignor to M. A. Gerett Corporation, Milwaukee, Wis.
Application September 2, 1949, Serial No. 4,826
Term of patent 14 years
(Cl. D34—11)



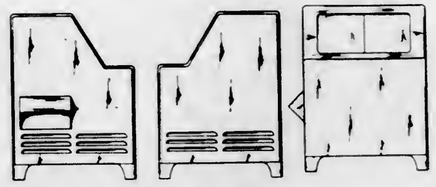
The ornamental design for a coin actuated calendar bank, as shown.

165,386
FABRIC OR THE LIKE FOR GRILLS OF RADIOS
John A. MacIntyre, Barrington, R. I.
Application November 18, 1950, Serial No. 13,042
Term of patent 14 years
(Cl. D92—1)



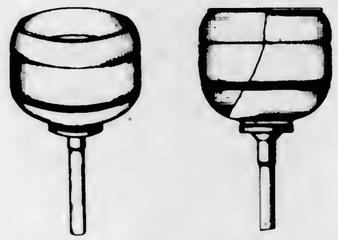
The ornamental design for a fabric or the like for grills of radios, substantially as shown.

165,387
CAN AND BOTTLE CRUSHER
Fred J. Mingo, Cleveland, Ohio
Application June 2, 1949, Serial No. 3,015
Term of patent 3½ years
(Cl. D55—1)



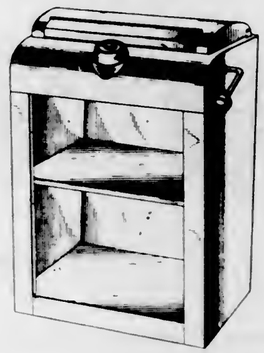
The ornamental design for a can and bottle crusher, substantially as shown.

165,388
UPPER BOWL FOR A COFFEE BREWER
Edward C. Neuman, Oak Park, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application January 23, 1951, Serial No. 13,915
Term of patent 14 years
(Cl. D44—26)

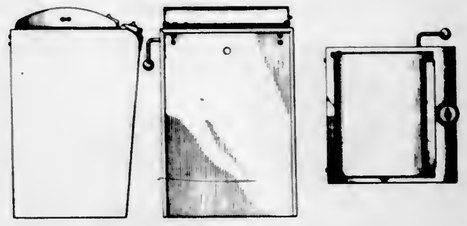


The ornamental design for an upper bowl for a coffee brewer, as shown and described.

165,389
PHOTOGRAPHIC CONTACT PRINTER
Joseph Palma, Jr., Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application August 9, 1951, Serial No. 16,215
Term of patent 14 years
(Cl. D64—11)



165,389—Continued



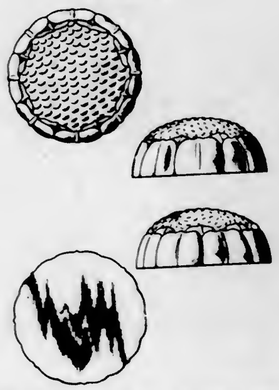
The ornamental design for a photographic contact printer, substantially as shown.

165,390
LIGHTING FIXTURE FOR A COOKING RANGE BACK GUARD PANEL
Chester C. Perry, Chagrin Falls, Ohio
Application September 14, 1950, Serial No. 12,183
Term of patent 14 years
(Cl. D81—25)



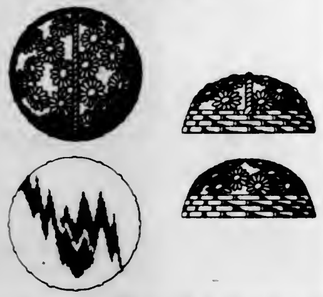
The ornamental design for a lighting fixture for a cooking range back guard panel, substantially as shown and described.

165,391
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application July 19, 1951, Serial No. 15,948
Term of patent 14 years
(Cl. D82—1)



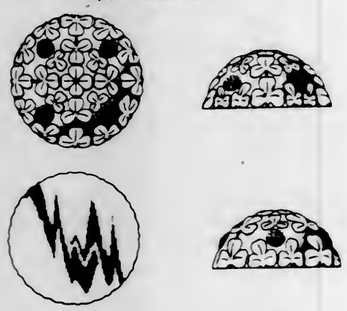
The ornamental design for a molded food product, as shown.

165,392
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application July 19, 1951, Serial No. 15,949
Term of patent 14 years
(Cl. D82—1)



The ornamental design for a molded food product, as shown.

165,393
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application July 19, 1951, Serial No. 16,068
Term of patent 14 years
(Cl. D82—1)



The ornamental design for a molded food product, as shown.

165,394
RELIGIOUS PENDANT
Horace Randall, Pawtucket, R. I., assignor to The H. M. H. Co., a corporation of South Dakota
Application October 3, 1951, Serial No. 16,817
Term of patent 14 years
(Cl. D45—17)



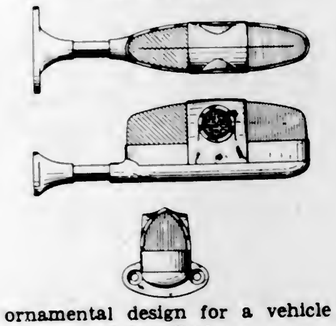
The ornamental design for a religious pendant, substantially as shown.

165,395
TABLE LIGHTER
Alfred F. Reilly, North Attleboro, Mass.
Application March 17, 1950, Serial No. 8,587
Term of patent 14 years
(Cl. D48—27)



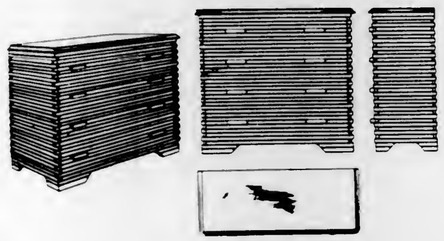
The ornamental design for a table lighter, substantially as shown and described.

165,396
VEHICLE SIGNAL LIGHT
James R. Richwine, Lorain, Ohio
Application December 8, 1950, Serial No. 13,330
Term of patent 14 years
(Cl. D48—32)



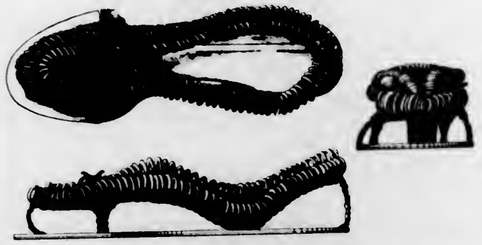
The ornamental design for a vehicle signal light, as shown and described.

165,397
DRESSER OR SIMILAR ARTICLE
Otis C. Robbins, Dallas, Tex.
Application February 23, 1950, Serial No. 8,077
Term of patent 3½ years
(Cl. D33—6)



The ornamental design for a dresser or similar article, substantially as shown.

165,398
SLIPPER
Maxine N. Saxion, Apollo, Pa.
Application September 18, 1951, Serial No. 16,672
Term of patent 3½ years
(Cl. D7—7)



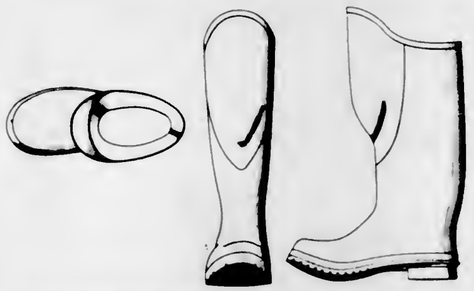
The ornamental design for a slipper, as shown.

165,399
LADY'S STOCKING OR SIMILAR ARTICLE
Joseph Siegel, New York, N. Y.
Application June 20, 1951, Serial No. 15,609
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a lady's stocking or similar article, as shown.

165,400
BOOT
Salvatore C. Spinali, San Diego, Calif.
Application September 24, 1951, Serial No. 16,722
Term of patent 14 years
(Cl. D7—4)



The ornamental design for boot, substantially as shown.

165,401
OPHTHALMIC MOUNTING OR THE LIKE
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 10, 1950, Serial No. 7,858
Term of patent 14 years
(Cl. D57—1)



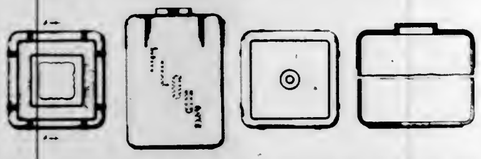
The ornamental design for an ophthalmic mounting or the like, substantially as shown and described.

165,402
LACE
Aaron S. Staff, New York, N. Y.
Application July 11, 1951, Serial No. 15,820
Term of patent 14 years
(Cl. D47—6)



The ornamental design for a lace, as shown.

165,403
KITCHEN CANISTER
Louis Stahl, New York, N. Y.
Application July 6, 1951, Serial No. 15,781
Term of patent 14 years
(Cl. D44—6)



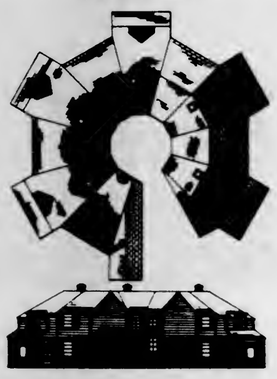
The ornamental design for kitchen canister, as shown and described.

165,404
JEWELRY RACK
Arthur O. Talmadge, Atlanta, Ga.
Application April 18, 1951, Serial No. 14,887
Term of patent 14 years
(Cl. D80—9)

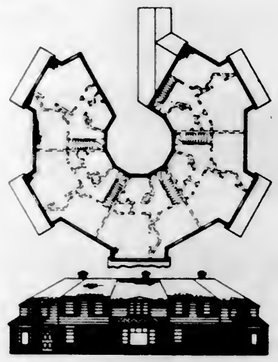


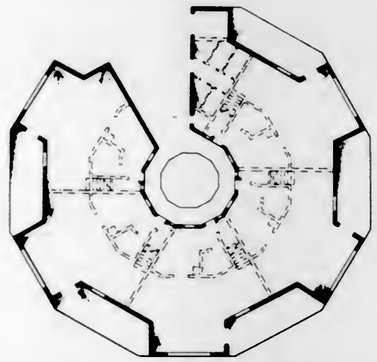
The ornamental design for a jewelry rack, as shown.

165,405
BUILDING
George D. Teach, Chicago, Ill.
Application September 5, 1950, Serial No. 12,063
Term of patent 14 years
(Cl. D13—1)



165,405—Continued





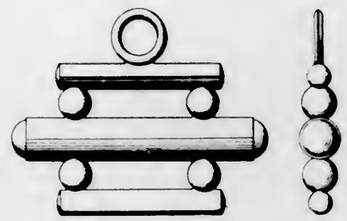
The ornamental design for a building, substantially as shown and described.

165,406
WALL LAMP
Linster D. Toler, Baltimore, Md., assignor to Benjamin Bleiberg and Harry E. Kahn, both of Baltimore, Md.
Application March 22, 1951, Serial No. 14,591
Term of patent 14 years
(Cl. D48—4)



The ornamental design for a wall lamp, as shown and described.

165,407
TOY RATTLE
Harry B. Toombs, New York, and George Amberge, Mount Vernon, N. Y.
Application September 6, 1950, Serial No. 12,074
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy rattle, substantially as shown.

165,408
MAN'S SOCK
Raymond A. Torgersen, Burlington, N. C., assignor to Standard Hosiery Mills, Inc., a corporation of North Carolina
Application May 25, 1951, Serial No. 15,309
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a man's sock, substantially as shown.

December 18, 1951 Volume 653 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A S R Releases: *See*—
Associated Release Service.

Abilene Flour Mills Company, The, Abilene, Kans. Wheat flour. Serial Nos. 563,091–3, Dec. 18. Class 46.

Adams-Millis Corporation, High Point, N. C. Hosiery. Serial No. 612,148, Dec. 18. Class 39.

Adams Plastics Co., Inc., Holyoke, Mass. Plastic handles for cutlery. Serial No. 575,828, Dec. 18. Class 23.

Aerocrete Corporation of America, The, Rochelle Park, N. J. Ingredient to be introduced in cement mixes to expand the same into porous concrete. Serial No. 600,641, Dec. 18. Class 12.

Aetna-Standard Engineering Company, The, Youngstown, Ohio. Machines for weighing and sorting sheet material, etc. Serial No. 612,642, Dec. 18. Class 26.

Allied Chemical & Dye Corporation, New York, N. Y. Substantially colorless fluorescent synthetic organic chemicals. Serial No. 612,722, Dec. 18. Class 6.

Altheimer & Baer, Inc., Chicago, Ill. Power tools. Serial No. 585,735, Dec. 18. Class 23.

American Tobacco Company, The, New York, N. Y. Plug cut tobacco. Serial No. 571,885, Dec. 18. Class 17.

Armco Steel Corporation, Middletown, Ohio. Alloy steel and corrosion resisting alloy, steel in the form of ingots, castings, etc. Serial No. 592,183, Dec. 18. Class 14.

Armour and Company, Chicago, Ill. Soap. Serial No. 548,461, Dec. 18. Class 52.

Armour and Company, Chicago, Ill. Glue. Serial No. 577,928, Dec. 18. Class 5.

Armstrong Cork Company, Lancaster, Pa. Grouting material. Serial No. 565,160, Dec. 18. Class 12.

Associated Release Service, commonly known as A S R Releases, Chicago, Ill. Newspaper column. Serial No. 609,673, Dec. 18. Class 38.

Atlantic Steel Company, Atlanta, Ga. Screw pin shackles. Serial No. 598,825, Dec. 18. Class 13.

Beau-Bra Foundations, Inc., Jersey City, N. J. Brassières. Serial No. 613,554, Dec. 18. Class 39.

Bergman, Daniel T., doing business under the name and style of Bergman Manufacturing Company, San Francisco, Calif. Sauce pans. Serial No. 525,771, Dec. 18. Class 13.

Bergman Manufacturing Company: *See*—
Bergman, Daniel T.

Berkely Medical Company: *See*—
Peters, Edward F.

Bestform Foundations, Inc., New York, N. Y. Girdles. Serial No. 613,289, Dec. 18. Class 39.

Bliss, E. W., Company, Detroit, Mich., and Toledo, Ohio. Hydraulic working presses. Serial No. 533,663, Dec. 18. Class 23.

Bondact, Kansas City, Mo. Air pressurized apparatus. Serial No. 603,660, Dec. 18. Class 23.

Borcherdt Malt Extract Company, Chicago, Ill. Preparation for the treatment of bladder infections. Serial No. 589,632, Dec. 18. Class 18.

Breier, Marcus Sons, Inc., Amsterdam, N. Y. Sport jackets and coats. Serial No. 577,164, Dec. 18. Class 39.

Brooks, Betty, Co., Huntington Park, Calif. Women's and children's shorts, slacks, blouses, etc. Serial No. 609,162, Dec. 18. Class 39.

Buegeleisen & Jacobson, Inc., New York, N. Y. Musical instruments. Serial Nos. 605,717–18, Dec. 18. Class 36.

Burcham, Gouley Company: *See*—
Burcham, Gouley N.

Burcham, Gouley N., doing business as Gouley Burcham Company, Los Angeles, Calif. Frozen fresh vegetables. Serial No. 612,650, Dec. 18. Class 46.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. Serial No. 597,125, Dec. 18. Class 42.

Burlington Soap Company, Burlington, Iowa. Bluing compound—water softener! Serial No. 614,538, Dec. 18. Class 6.

Bushman Products, Inc., Chicago, Ill. Jar and bottle openers. Serial No. 605,463, Dec. 18. Class 23.

Cadillac Products Inc., Ferndale, Mich. Flexible plastic bag. Serial No. 589,826, Dec. 18. Class 2.

Calavo Growers of California, Los Angeles, Calif. Fresh avocados. Serial No. 614,038, Dec. 18. Class 46.

California Tuna Canning Company, San Diego, Calif. Canned tuna. Serial No. 613,499, Dec. 18. Class 46.

Campbell Chain Company, York, Pa. Tire chains. Serial No. 614,649, Dec. 18. Class 13.

Carboloy Company, Inc., Detroit, Mich., now by merger General Electric Company. Tools. Serial No. 594,757, Dec. 18. Class 23.

Carpenter Steel Company, The, Reading, Pa. Steel. Serial Nos. 593,396–7, Dec. 18. Class 14.

Cecil Corporation, Chicago, Ill. Shoe laces. Serial No. 558,692, Dec. 18. Class 40.

Cement Gun Company, Allentown, Pa. Structural contracting services. Serial No. 585,215, Dec. 18. Class 103.

Century Sewing Machine Co., Inc., New York, N. Y. Sewing machines. Serial No. 614,039, Dec. 18. Class 23.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail lacquer. Serial No. 589,147, Dec. 18. Class 51.

Ciba Limited, Basel, Switzerland. Dyestuffs. Serial No. 604,765, Dec. 18. Class 6.

Clearview Products, Inc., New York, N. Y. Plastic garment storage bags. Serial No. 609,395, Dec. 18. Class 2.

Clinton Foods Inc., Clinton, Iowa. Laundry starch. Serial No. 593,109, Dec. 18. Class 6.

Columbian Rope Company, Auburn, N. Y. Rope. Serial No. 612,731, Dec. 18. Class 7.

Comfort Spring Corporation, Baltimore, Md. Spring cushion units. Serial Nos. 596,077–8, Dec. 18. Class 32.

Corona Corset Corp., Corona, N. Y. Ladies' and misses' brassières, corsets, corselettes, etc. Serial No. 612,156, Dec. 18. Class 39.

Cosmos Dental Products, Inc., New York, N. Y. Resinous material used in dentistry. Serial No. 600,121, Dec. 18. Class 44.

Cramer, Melvin B., doing business as Vi-De-Lan, Atlantic City, N. J. Medicated hair and scalp treatment. Serial No. 586,793, Dec. 18. Class 18.

Crescent Corset Company, Inc., Cortland, N. Y. Ladies' foundation garments. Serial No. 613,502, Dec. 18. Class 39.

Cunningham, Edw. P., Inc., New Rochelle, N. Y. Hat boxes. Serial No. 614,042, Dec. 18. Class 2.

Dale Dance Studios: *See*—
Dale Dance Studios, Inc.

Dale Dance Studios, Inc., New York, N. Y., assignee of Dale Dance Studios. Giving dance instructions. Serial No. 555,059, Dec. 18. Class 107.

Davey Tree Expert Company, The, Kent, Ohio. Insecticide. Serial No. 569,056, Dec. 18. Class 6.

Dayton Rubber Company, The, Dayton, Ohio. Sponge rubber sheet stock or pads. Serial No. 561,809, Dec. 18. Class 1.

Delaware, Lackawanna & Western Coal Company, The, New York, N. Y. Electrical temperature control mechanism. Serial No. 571,119, Dec. 18. Class 26.

Dellwood Dairy Co., Inc., Yonkers, N. Y. Fluid milk, creamed cottage cheese, etc. Serial No. 557,509, Dec. 18. Class 46.

Dodge & Olcott, Inc., New York, N. Y. Chemical preparation. Serial No. 594,629, Dec. 18. Class 6.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 605,849, Dec. 18. Class 12.

Drac Manufacturing Co., New Blaine, Ark. Insecticides. Serial No. 612,995, Dec. 18. Class 6.

Draper Brothers Company, Canton, Mass. Knitted and woven fabrics. Serial No. 601,606, Dec. 18. Class 42.

Draper Brothers Company, Canton, Mass. Wool fabrics. Serial No. 601,888, Dec. 18. Class 42.

Dry Cleaning Machinery Corporation, Syracuse, N. Y. Spray pressing guns, spray guns, condensers, fabric finishing apparatus. Serial No. 540,264, Dec. 18. Class 24.

Duffer Company, Inc., The, Boston, Mass. Men's, women's and childrens' coats. Serial No. 605,204, Dec. 18. Class 39.

Dupli-Typer Company, New York, N. Y. Ribbon mounting frames and attachments therefor. Serial No. 559,441, Dec. 18. Class 23.

Dura-Tred Hosiery Mills Company, Inc., Burlington, N. C. Hosiery. Serial No. 539,139, Dec. 18. Class 39.

Eaton-Clark Company, Detroit, Mich. General pre-spotter agent for removing spots and stains from fabric or garments. Serial No. 499,830, Dec. 18. Class 52.

Edwards, William, Company, The, Cleveland, Ohio. Canned spaghetti. Serial No. 493,178, Dec. 18. Class 46.

El-De Sales Company: *See*—
Osborne, Owen, Hosiery Mills, Inc.

Electronic Instrument Co., Inc., Brooklyn, N. Y. Electronic test instruments. Serial No. 597,199, Dec. 18. Class 26.

Elias, Sam, Inc., New York, N. Y. Ladies' wearing apparel. Serial No. 607,009, Dec. 18. Class 39.

Ensign-Bickford Co., The, Simsbury, Conn. Synthetic yarns. Serial No. 612,652, Dec. 18. Class 43.

Farrington Texol Corporation, Walpole, Mass. Fabrics. Serial No. 609,545, Dec. 18. Class 42.

Fee & Mason Mfg. Co., Inc., Manasquan, N. J. Pipe hangers, pipe supports and accessories, etc. Serial No. 593,269, Dec. 18. Class 13.

Florence Stove Company, Gardner, Mass. Electric space heaters. Serial No. 614,247, Dec. 18. Class 21.
Floridin Company, Warren, Pa. Absorbents prepared from natural earth. Serial No. 552,238, Dec. 18. Class 1.
Food Fair Stores, Inc., Philadelphia, Pa. Food flavoring extracts. Serial No. 565,329, Dec. 18. Class 46.
Foster-Hochberg Manufacturing Company, Inc., Seattle, Wash. Women's and girls' wearing apparel. Serial No. 611,515, Dec. 18. Class 39.
Freedco Products, Inc., New York, N. Y. Replacement parts for passenger automobiles, trucks and busses. Serial No. 583,923, Dec. 18. Class 21.
G. & L. Manufacturing Co., Inc., Boston, Mass. Dresses. Serial No. 613,707, Dec. 18. Class 39.
Gallowhur Chemical Corporation, New York, N. Y. Chemical for use as a dyestuff assistant. Serial No. 613,222, Dec. 18. Class 6.
Gambrills Company, Inc., The, Gambrills, Md. Plaster patch. Serial No. 593,342, Dec. 18. Class 12.
Gaymont Laboratories, Inc., Chicago, Ill. Flavored and unflavored yogurt, yogurt drinks, natural and processed cheese, etc. Serial No. 614,548, Dec. 18. Class 46.
General Electric Company: *See*—
Carboloy Company, Inc.
Geneva Modern Kitchens, Inc., Geneva, Ill. Wall cabinets, floor cabinets, doors, etc. Serial No. 590,149, Dec. 18. Class 32.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. Utility measures. Serial No. 609,365, Dec. 18. Class 26.
Giammalvo, James J., Hackettstown, N. J. Cheese. Serial No. 561,233, Dec. 18. Class 46.
Gilda, Audrey, Products Inc., New York, N. Y. Sheen rinse, cold wave solution, cream oil solution, etc. Serial No. 581,240, Dec. 18. Class 51.
Gillette Safety Razor Company, assignee: *See*—
Purple Blade Corporation.
Globe Roofing Products Co., Inc., Whiting, Ind. Roofing, insulating board and insulated siding. Serial No. 591,846, Dec. 18. Class 12.
Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. Serial No. 577,265, Dec. 18. Class 42.
Good-year Products Co.: *See*—
Pictsweet Foods, Inc.
Graceform-Camlin Corset Co., Inc., New York, N. Y. Brassières, girdles, and combination brassières and corsets. Serial No. 612,070, Dec. 18. Class 39.
Grossmark Textiles, Inc., New York, N. Y. Woolen and rayon piece goods. Serial No. 610,126, Dec. 18. Class 42.
Haddix, M. Cornelius: *See*—
Haddix, Minnie B., administratrix.
Haddix, Minnie B., administratrix of the estate of M. C. Haddix, deceased, doing business under the name of Lexington Distributing Co., Lexington, Ky. Whiskey. Serial No. 561,461, Dec. 18. Class 49.
Hamer, Hamer & Hamer, Orlando, Fla. Medicinal hair tonic and preparation for treating diseases of the skin. Serial No. 574,032, Dec. 18. Class 18.
Hammel, Riglander & Co. Inc., New York, N. Y. Colorless, transparent adhesive cement. Serial No. 592,812, Dec. 18. Class 5.
Hanes Hosiery Mills Company, Winston-Salem, N. C. Hosiery. Serial No. 598,724, Dec. 18. Class 39.
Harden Farms, Inc., Salinas, Calif. Fresh vegetables. Serial Nos. 613,637–8, Dec. 18. Class 46.
Henry Valve Company, Melrose Park, Ill. Relief valves. Serial No. 593,988, Dec. 18. Class 13.
Herb-Craft Health Products, Inc., Valparaiso, Ind. Cough syrup, cold tablets, laxatives, etc. Serial No. 566,141, Dec. 18. Class 18.
Hickey-Mitchell Company, St. Louis, Mo. Insurance brokerage. Serial No. 564,388, Dec. 18. Class 102.
Hudnut, Richard, assignee: *See*—
Chen Yu, Inc.
Hudson Valley Rugs Company, New York, N. Y. Rugs and carpets. Serial No. 608,354, Dec. 18. Class 42.
Ideal Toy Corporation, Hollis, N. Y. Dolls. Serial No. 617,498, Dec. 18. Class 22.
Imperial Chemical Industries Limited, London and Millbank, London, England. Electric lampshades. Serial No. 611,180, Dec. 18. Class 21.
Intercontinental Mfg. Company, Inc., Dallas, Tex. Tractors and tractor mounted and trailing farm implements. Serial Nos. 574,966–7, Dec. 18. Class 23.
International Harvester Company, Chicago, Ill. Refrigeration packaging products—namely, wrapping paper. Serial No. 601,798, Dec. 18. Class 37.
International Harvester Company, Chicago, Ill. Refrigeration packaging products—namely wrapping paper. Serial No. 601,801, Dec. 18. Class 37.
Istituto Nazionale per il Commercio Estero, Rome, Italy. Wines. Serial No. 560,895, Dec. 18. Class 47.
Johns-Manville Corporation, New York, N. Y. Friction tape. Serial No. 598,482, Dec. 18. Class 5.
Jordan Marsh Company, Boston, Mass. Women's and misses' dresses. Serial No. 613,134, Dec. 18. Class 39.
Juilliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. Serial No. 616,495, Dec. 18. Class 42.
Kaplan, Mattio & Son, Inc., New York, N. Y. Ladies' dresses. Serial No. 609,684, Dec. 18. Class 39.
Kilowattcher Corporation, Chicago, Ill. Control switches. Serial No. 611,958, Dec. 18. Class 21.
Kinnard, Incorporated, Little Falls, N. J. Disinfectant material. Serial No. 614,151, Dec. 18. Class 6.
Knapp-Monarch Company, St. Louis, Mo. Insulated jugs and vacuum jugs. Serial Nos. 566,005–7, Dec. 18. Class 2.
Lanvin Parfums, Inc., New York, N. Y. Perfumes and toilet water. Serial No. 606,020, Dec. 18. Class 51.
Larson, Leroy J., Bagley, Minn. Surgical splints. Serial No. 603,302, Dec. 18. Class 44.
Lavino, E. J., and Company, Philadelphia, Pa. Conjoint acting combination of partly prepared units for kiln and electric furnace lining. Serial No. 569,627, Dec. 18. Class 12.
Leary, Dennis W., Walnut Grove, Calif. Fresh pears. Serial No. 542,852, Dec. 18. Class 46.
Leggett, Francis H., & Company, New York, N. Y. Soap powder, household cleanser, and dishwashing compound. Serial No. 607,821, Dec. 18. Class 52.
Levow, David, New York, N. Y. Roofing supplies and equipment. Serial No. 590,445, Dec. 18. Class 23.
Lexington Distributing Co.: *See*—
Haddix, Minnie B.
Limestone Products Corporation of America, Newton, N. J. Ground or pulverized limestone. Serial No. 611,441, Dec. 18. Class 1.
Limpert Bros., Inc., New York, N. Y., and Vineland, N. J. Peeled, seedless grapes. Serial No. 608,822, Dec. 18. Class 46.
Liqrou Cosmetics: *See*—
Mitchell, Irene V.
Longini Shoe Manufacturing Co., The, Cincinnati, Ohio. Women's shoes. Serial No. 529,901, Dec. 18. Class 39.
Lyon, William H., Lexington, Mass. Real estate brokerage and fire insurance brokerage. Serial No. 574,522, Dec. 18. Class 102.
Manufacturers Research Corporation, Baltimore, Md. Mechanical and electrical engineering research services. Serial No. 576,268, Dec. 18. Class 106.
Markham, E. L., Jr., assignee: *See*—
Ruggles, Donald H.
Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. Serial No. 589,265, Dec. 18. Class 23.
Melco Manufacturing Company, Chicago, Ill. Cast metal hand tool for planting, cultivating, and measuring. Serial No. 591,434, Dec. 18. Class 26.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape and gummed cloth tape. Serial No. 591,182, Dec. 18. Class 5.
Mila, Sewing Machine Factory, National Corporation: *See*—
Mila, Zavody na Sici Stroje, Narodni Podnik.
Mila, Sewing Machines Factory, National Corporation: *See*—
Mila, Zavody na Sici Stroje, Narodni Podnik.
Mila, Zavody na Sici Stroje, Narodni Podnik, also doing business under the name Mila, Sewing Machine Factory, National Corporation, Opava, Czechoslovakia, now by change of name Minerva, Narodni Podnik. Sewing machines and their parts. Serial No. 600,498, Dec. 18. Class 23.
Mila, Zavody na Sici Stroje, Narodni Podnik, also doing business under the name Mila, Sewing Machines Factory, National Corporation, Opava, Czechoslovakia, now by change of name Minerva, Narodni Podnik. Sewing machines and their parts. Serial No. 600,499, Dec. 18. Class 23.
Mills, James, Orchards Company, Hamilton City, Calif. Fresh fruits, dried deciduous fruits; frozen cooked deciduous fruits, etc. Serial No. 600,064, Dec. 18. Class 46.
Minerva, Narodni Podnik: *See*—
Mila, Zavody na Sici Stroje, Narodni Podnik.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pre-sensitized printing plates. Serial No. 616,773, Dec. 18. Class 26.
Mitchell, Irene V., doing business as Liqrou Cosmetics, Akron, Ohio. Liquid rouge. Serial No. 583,704, Dec. 18. Class 51.
Moench, R. G., & Co., Inc., New York, N. Y. Vanilla concentrates, emulsifiers, and stabilizers. Serial No. 614,361, Dec. 18. Class 46.
Mrizek Bakers, Inc., Kansas City, Mo. Bread, pies, doughnuts, etc. Serial No. 614,953, Dec. 18 Class 46.
Muller Machinery Co., Inc., Metuchen, N. J. Concrete mixers. Serial No. 515,192, Dec. 18. Class 23.
National Cylinder Gas Company, Chicago, Ill. Maintenance and repair of apparatus for handling compressed gas, electric welding, gas welding, etc., apparatus and equipment. Serial No. 548,390, Dec. 18. Class 103.
National Package Drugs, Inc., St. Louis, Mo. Rubbing alcohol compound. Serial No. 611,446, Dec. 18. Class 18.
National Store Fronts Co., Inc., Boston and Roxbury, Mass. Mouldings used for window panes, for store front constructions, etc. Serial No. 582,851, Dec. 18. Class 12.
NEA Service, Inc., Cleveland, Ohio. Comic strips. Serial No. 610,018, Dec. 18. Class 38.
Nebraska Consolidated Mills Company, Omaha, Nebr. Poultry mash and dairy and hog feeds. Serial No. 613,081, Dec. 18. Class 46.
Nedick's, Inc., New York, N. Y. Orange-flavored maltless soft drink and concentrate. Serial No. 598,922, Dec. 18. Class 45.

Negel Brothers, La Grange, Ill. Dressed poultry and poultry products. Serial No. 609,492, Dec. 18. Class 46.
Neoco Corporation, Los Angeles, Calif. Pharmaceutical preparation. Serial No. 612,818, Dec. 18. Class 18.
Newaygo Engineering Co., Newaygo, Mich. Foundry equipment. Serial No. 612,665, Dec. 18. Class 23.
Newly Weds Baking Co., Chicago, Ill. Ice cream cake roll and cake. Serial No. 572,041, Dec. 18. Class 46.
Norgine Laboratories, Inc., New York, N. Y. Bulk laxative. Serial No. 598,495, Dec. 18. Class 18.
North American Aviation, Inc., Los Angeles, Calif. Periodical. Serial No. 609,138, Dec. 18. Class 38.
Northrup, King & Co., Minneapolis, Minn. Solution for killing crab grass. Serial No. 610,520, Dec. 18. Class 6.
Norwich Pharmacal Company, The, Norwich, N. Y. Antihistaminic preparations. Serial No. 593,496, Dec. 18. Class 18.
O'Connell Brothers, Inc., Overland and St. Louis, Mo. Antispasmodic tablets. Serial No. 611,299, Dec. 18. Class 18.
Oklahoma Clothing Manufacturers, Oklahoma City, Okla. Jeans. Serial No. 592,829, Dec. 18. Class 39.
Optical Development Corporation, Chicago, Ill. Optical lenses. Serial No. 614,096, Dec. 18. Class 26.
Organon Inc., Orange, N. J. Medicinal preparation. Serial No. 612,819, Dec. 18. Class 18.
Osborne, Owen, Hosiery Mills, Inc., doing business as El-De Sales Company, Gainesville, Ga. Hosiery. Serial No. 508,065, Dec. 18. Class 39.
Ottawa Steel Products, Inc., Ottawa, Kans. Power shovel and loader bucket level indicators. Serial No. 608,471, Dec. 18. Class 26.
Pacific Brewing & Malting Co., San Francisco, Calif. Beer. Serial No. 611,231, Dec. 18. Class 48.
Pacific Union Conference, The: *See*—
Voice of Prophecy, Inc.
Pagliuso Engineering Company: *See*—
Pagliuso, R. J.
Pagliuso, R. J., doing business as Pagliuso Engineering Company, Glendale, Calif. Camera tripods. Serial No. 613,019, Dec. 18. Class 26.
Pattreiouex, J. A., (Overseas) Limited, London and Westminster, London, England. Cigarettes. Serial No. 608,472, Dec. 18. Class 17.
Peters, Edward F., doing business as Berkely Medical Company, Berkely City, Mo. Medicinal preparation. Serial No. 611,529, Dec. 18. Class 18.
Petrolane, Ltd., Signal Hill, Calif. Liquefied gas. Serial No. 607,262, Dec. 18. Class 6.
Petrolite Corporation, Ltd., Webster Groves, Mo. Corrosion resistant coating. Serial No. 588,767, Dec. 18. Class 6.
Phillips, Dr., P., Canning Company: *See*—
Phillips, Dr., P., Company.
Phillips, Dr., P., Company, Orlando, Fla., assignee of Dr. P. Phillips Canning Company. Canned citrus juices. Serial No. 507,020, Dec. 18. Class 46.
Phillips Scientific Laboratories: *See*—
Phillips, Walt.
Phillips, Walt, doing business as Phillips Scientific Laboratories, North Arlington, N. J. Deodorizing chemical compositions. Serial No. 611,914, Dec. 18. Class 6.
Pictsweet Foods, Inc., doing business under the trade style Good-Year Products Co., Mount Vernon, Wash. Frozen fresh vegetables, frozen fresh strawberries, and canned corn and peas. Serial No. 611,581, Dec. 18. Class 46.
Platt Brothers (Sales) Limited, Oldham, Lancashire, England. Textile spinning machinery. Serial No. 596,359, Dec. 18. Class 23.
Pollio Dairy Products Corporation, Brooklyn, N. Y. Cheese. Serial No. 592,662, Dec. 18. Class 46.
Preddy, Fred A., doing business as Preddywear Mills, Mount Airy, N. C. Ladies' and girls' knit sport skirts, woven sport skirts, dresses, etc. Serial No. 606,805, Dec. 18. Class 39.
Preddywear Mills: *See*—
Preddy, Fred A.
Preventive Maintenance Company, Bridgeport, Conn. Solvent for cleaning air brake systems. Serial No. 592,933, Dec. 18. Class 52.
Purple Blade Corporation, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Razor blades. Serial No. 537,359, Dec. 18. Class 23.
Regal Chemical Corporation, Brooklyn, N. Y. Insecticides. Serial No. 543,655, Dec. 18. Class 6.
Reilly, Olcott & Company, Oneida, N. Y. Medicated wadding. Serial No. 593,140, Dec. 18. Class 18.
Rice-Stix, Inc., St. Louis, Mo. Misses' and ladies' frocks. Serial No. 612,375, Dec. 18. Class 39.
Rockford Mitten & Hosiery Company, Rockford, Ill. Hosiery. Serial No. 548,847, Dec. 18. Class 39.
Ross, Will, Inc., Milwaukee, Wis. Transparent plastic film-like sheeting. Serial No. 608,085, Dec. 18. Class 1.
Ruggles, Donald H., Tulsa, Okla., assignor to E. L. Markham, Jr., Dallas, Tex. Venetian blinds. Serial No. 561,045, Dec. 18. Class 32.
Sahlein, J. M., Music Company: *See*—
Sahlein, Jules M.
Sahlein, Jules M., doing business as J. M. Sahlein Music Company, San Francisco, Calif. Clarinets, and mouthpieces therefor, stringed and fretted instruments, etc. Serial No. 573,002, Dec. 18. Class 36.
Salsbury's, Dr., Laboratories, Charles City, Iowa. Internal preparations as medicines and nutritional adjuvents. Serial No. 593,504, Dec. 18. Class 18.
Salsbury's, Dr., Laboratories, Charles City, Iowa. Preparation for the treatment and control of coccidiosis in chickens, etc. Serial No. 597,101, Dec. 18. Class 18.
Salz, A. K., Company, Santa Cruz, Calif. Cattle hide leather. Serial No. 592,003, Dec. 18. Class 1.
Schenley Laboratories, Inc., New York, N. Y. Chemotherapeutic agent. Serial No. 590,709, Dec. 18. Class 18.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Corn, callous, and bunion pads, etc. Serial No. 589,338, Dec. 18. Class 44.
Serv-A-Station, Inc., Los Angeles, Calif. Accounting and bookkeeping services. Serial No. 559,122, Dec. 18. Class 101.
Silvers, Louis, doing business as Stepping Tones, Los Angeles, Calif., assignee of Stepping Tones, Inc. Grooved phonograph records. Serial No. 606,341, Dec. 18. Class 36.
Smith, T. J. & J., Limited, London, England. Leather bound desk engagement books, leather bound desk diaries, etc. Serial No. 600,089, Dec. 18. Class 37.
Societe Anonyme: Le Carbone Lorraine, Paris, France. Arc light carbons. Serial Nos. 614,316–17, Dec. 18. Class 21.
Society for the Advancement of Management, Inc., The, New York, N. Y. Monthly publication. Serial No. 597,847, Dec. 18. Class 38.
Sonoflux Corporation, Houston, Tex. Vibro-magnetic inspection instrument. Serial No. 588,971, Dec. 18. Class 26.
Southern Fertilizer & Chemical Company, Savannah, Ga. Fertilizers. Serial No. 608,518, Dec. 18. Class 10.
Spenzer Container Corporation, Greenville, Pa. Telescoping cardboard cylinders. Serial No. 602,172, Dec. 18. Class 2.
Stegle, Helen E., Elsa, Tex. Fresh citrus fruits. Serial No. 567,157, Dec. 18. Class 46.
Stemar Company, Inc., Chicago, Ill. Advertising services. Serial No. 563,827, Dec. 18. Class 101.
Stepping Tones: *See*—
Silvers, Louis.
Stich Bros. Mfg. Co., Los Angeles, Calif. Shower bath doors, bath tub enclosures and shower bath enclosures. Serial No. 547,578, Dec. 18. Class 12.
Stoddard, G. S., & Co., Inc., New York, N. Y. Analgesic and hypnotic. Serial No. 605,561, Dec. 18. Class 18.
Stoddard, G. S., & Co., Inc., New York, N. Y. Medicinal tablets. Serial No. 605,562, Dec. 18. Class 18.
Straub Mfg. Co.: *See*—
Straub Manufacturing Company, Inc.
Straub Manufacturing Company, Inc., also doing business under the name Straub Mfg. Co., Oakland, Calif. Machines and parts thereof. Serial No. 554,731, Dec. 18. Class 23.
Strutwear, Inc., Minneapolis, Minn. Women's hosiery. Serial No. 608,180, Dec. 18. Class 39.
Sun Rubber Company, The, Barberton, Ohio. Plate scrapers and typewriter twirler rings. Serial No. 613,094, Dec. 23. Class 23.
Super Steel Products Co., Milwaukee, Wis. Sky lights. Serial No. 574,983, Dec. 18. Class 12.
Tenderet Sales Company, Chicago, Ill. Preparation consisting of dehydrated egg albumen and egg yolk. Serial No. 550,859, Dec. 18. Class 46.
Thompson, Edward, Company, Brooklyn, N. Y. Section of periodically issued reports. Serial No. 613,112, Dec. 18. Class 38.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil and greases. Serial No. 613,249, Dec. 18. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial Nos. 613,251–2, Dec. 18. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating greases. Serial No. 613,253, Dec. 18. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oils and greases. Serial No. 613,259, Dec. 18. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil and greases. Serial No. 613,264, Dec. 18. Class 15.
United Feature Syndicate, Inc., New York, N. Y. Publication. Serial No. 582,374, Dec. 18. Class 38.
U. S. Chemical & Supply Co., Kansas City, Mo. Liquid preparation for flushing and cleaning radiators, etc. Serial No. 582,870, Dec. 18. Class 52.
Valcovt Hosiery Corporation, New York, N. Y. Ladies' hosiery. Serial No. 612,188, Dec. 18. Class 39.
Vanity Corset Company, Inc., New York, N. Y. Corsets, corselets, girdles, etc. Serial No. 613,687, Dec. 18. Class 39.
Vi-De-Lan: *See*—
Gramer, Melvin B.
Vivette Foundations, Inc., New York, N. Y. Girdles, corsets and brassières. Serial No. 613,688, Dec. 18. Class 39.
Vogt Knitting Mills, Inc., Reading, Pa. Men's, women's, boys' and girls' hosiery. Serial No. 612,288, Dec. 18. Class 39.

LIST OF TRADE-MARK APPLICANTS

Voice of Prophecy, Inc., Washington, D. C., also operating as The Pacific Union Conference, Glendale, Calif. Services rendered by a vocal group. Serial No. 552,022, Dec. 18. Class 107.

Welch Grape Juice Company, The, Westfield, N. Y. Frozen concentrated grape juice. Serial No. 613,579, Dec. 18. Class 45.

Wells Lamont Corporation, Chicago, Ill. Workingmen's gloves. Serial No. 535,914, Dec. 18. Class 39.

Wheeling Corrugating Company, Wheeling, W. Va. Metal wash tubs. Serial No. 537,531, Dec. 18. Class 24.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet tissue. Serial No. 512,100, Dec. 18. Class 37.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. Serial No. 614,790, Dec. 18. Class 46.

Willard Storage Battery Company, Cleveland, Ohio. Separators or insulators used in storage batteries. Serial No. 614,325, Dec. 18. Class 21.

Wilmot Castle Company, Rochester, N. Y. Surgical sterilizers and parts thereof. Serial No. 587,574, Dec. 18. Class 44.

Wilmot Castle Company, Rochester, N. Y. Surgical sterilizers and parts thereof. Serial No. 588,422, Dec. 18. Class 44.

Wine Growers Guild, Lodi, Calif. Wines. Serial No. 609,327, Dec. 18. Class 47.

Winnek, Douglas F., Glen Cove, N. Y. Cameras, photographic projection printers and stereoscopic X-ray cameras. Serial No. 519,502, Dec. 18. Class 26.

Yakima Fruit Growers Association, Yakima, Wash. Fresh deciduous fruits. Serial No. 512,472, Dec. 18. Class 46.

Yates-American Machine Company, Beloit, Wis. Woodworking machinery and tools therefor. Serial No. 605,773, Dec. 18. Class 23.

Zero Plywood Corp., Los Angeles, Calif. Plywood. Serial No. 589,614, Dec. 18. Class 12.

LIST OF REGISTRANTS OF TRADE-MARKS

A. & W. Asbestos Table Mat Company, Cleveland and East Cleveland, Ohio. Asbestos table mats. 552,167, Dec. 18; Serial No. 582,874, published May 30, 1950. Class 50.

Aberdale Cycle Co. Limited, London, England. Children's tricycles and structural parts thereof. 444,617, Dec. 18; Serial No. 511,660, published Aug. 14, 1951. Class 22.

Adamo Co.: *See*—
Adamo, Joseph M.

Adamo, Joseph M., doing business under the fictitious name and style of Adamo Co., Los Angeles, Calif. Nonskid rug compounds. 552,284, Dec. 18; Serial No. 606,065, published Sept. 18, 1951. Class 6.

Adelcia, St. Petersburg, Fla. Women's, girls', and children's hats. 552,264, Dec. 18; Serial No. 604,511, published Aug. 21, 1951. Class 39.

Advertising Arts Corporation, New York, N. Y. Men's, women's, and children's hats and caps. 552,172, Dec. 18; Serial No. 584,374, published Aug. 21, 1951. Class 39.

Ahrens Publishing Company, Inc., New York, N. Y. Periodical. 552,390, Dec. 18; Serial No. 602,244. Class 38.

Aktiebolaget Bofors, Bofors, Sweden. Dyestuffs. 552,328, Dec. 18; Serial No. 608,334, published Oct. 2, 1951. Class 6.

Aldens, Inc., Chicago, Ill. Men's and young men's work clothing, men's and young men's sportswear. 552,177, Dec. 18; Serial No. 586,451, published Sept. 25, 1951. Class 39.

Allied Chemical & Dye Corporation, New York, N. Y. Liquid mixture of hydrocarbons. 552,142, Dec. 18; Serial No. 562,829, published Oct. 2, 1951. Class 6.

Allied Chemical & Dye Corporation, New York, N. Y. Synthetic organic chemical compositions. 552,185, Dec. 18; Serial No. 587,926, published Oct. 2, 1951. Class 6.

Allied Stores Corporation, New York, N. Y. Women's and men's shoes. 552,258, Dec. 18; Serial No. 603,035, published Sept. 4, 1951. Class 39.

American Crayon Company, The, Sandusky, Ohio. Crayons and chalks. 288,909, renewed Nov. 10, 1951. O. G. Dec. 18. Class 37.

American Crayon Company, The, Sandusky, Ohio. Wax crayons, pressed crayons, pastel crayons, etc. 289,085–6, renewed Nov. 17, 1951. O. G. Dec. 18. Class 37.

American Crayon Company, The, Sandusky, Ohio. Tempera colors and water colors. 289,611, renewed Dec. 1, 1951. O. G. Dec. 18. Class 16.

American Crayon Company, The, Sandusky, Ohio. Tempera colors and water colors. 289,915, renewed Dec. 15, 1951. O. G. Dec. 18. Class 16.

American Institute of Architects, The, Washington, D. C. Column in a periodical. 552,392, Dec. 18; Serial No. 602,730. Class 38.

American Lumber & Treating Co., Chicago, Ill. Chemically impregnating forest products. 552,358–9, Dec. 18; Serial Nos. 596,381–2, published Oct. 2, 1951. Class 106.

American Plan Service: *See*—
Schoeppl, Carlos B.

American Writing Paper Company, to American Writing Paper Corporation, Holyoke, Mass. Writing-paper. 85,311, re-renewed Feb. 13, 1952. O. G. Dec. 18. Class 37.

American Writing Paper Corporation: *See*—
American Writing Paper Company.

Anchor Hocking Glass Corporation, Lancaster, Ohio. Closure caps. 552,184, Dec. 18; Serial No. 587,784, published Sept. 4, 1951. Class 50.

Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Face powder. 290,219, renewed Dec. 22, 1951. O. G. Dec. 18. Class 51.

Arden, Elizabeth, Sales Corporation: *See*—
Arden, Elizabeth, Inc.

Armitage, L. F., Company, Albert Lea, Minn. Work clothes. 552,183, Dec. 18; Serial No. 587,700, published Sept. 18, 1951. Class 39.

Automatic Devices, Inc., St. Louis, Mo. Metal scaffolding. 552,248, Dec. 18; Serial No. 599,548, published Sept. 4, 1951. Class 50.

Avon Sole Company, Avon, Mass. Shoe soles. 552,178, Dec. 18; Serial No. 586,676, published Sept. 4, 1951. Class 39.

Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif. Frozen fresh green peas. 552,288, Dec. 18; Serial No. 606,358, published Sept. 11, 1951. Class 46.

Baier, Margaret: *See*—
Roos, Pierre.

Balcrank, Inc., Cincinnati, Ohio. Mechanical pressure regulating valves. 552,182, Dec. 18; Serial No. 587,618, published Sept. 25, 1951. Class 13.

Baramark World Corporation, New York, N. Y. Lawn sprinklers. 552,252, Dec. 18; Serial No. 601,092, published Oct. 2, 1951. Class 13.

Barron's Publishing Company, Inc., New York, N. Y. Section of a weekly publication. 552,367, Dec. 18; Serial No. 555,364. Class 38.

Beatrice Creamery Company, to Beatrice Foods Co., Chicago, Ill. Ice cream. 288,434, renewed Oct. 27, 1951. O. G. Dec. 18. Class 46.

Beatrice Creamery Company, to Beatrice Foods Co., Chicago, Ill. Ice cream bar. 289,680, renewed Dec. 1, 1951. O. G. Dec. 18. Class 46.

Beatrice Foods Co.: *See*—
Beatrice Creamery Company.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk and cream. 291,784, renewed Feb. 23, 1952. O. G. Dec. 18. Class 46.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk and cream. 291,788, renewed Feb. 23, 1952. O. G. Dec. 18. Class 46.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk and cream. 291,827–8, renewed Feb. 23, 1952. O. G. Dec. 18. Class 46.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk and cream. 291,870–1, renewed Feb. 23, 1952. O. G. Dec. 18. Class 46.

Best Brothers Keene's Cement Company, The, Medicine Lodge, Kans., to National Gypsum Company, Buffalo, N. Y. Cement and plaster. 289,232, renewed Nov. 24, 1951. O. G. Dec. 18. Class 12.

Blessing Co.: *See*—
Hillstrom, Sylvia.

Bliss Syrup & Preserving Co., Kansas City, Mo. Apple butter, apple jelly, apricot preserves, etc. 552,127, Dec. 18; Serial No. 545,429, published Sept. 4, 1951. Class 46.

Blue Earth Canning Company, Blue Earth, to Green Giant Company, Le Sueur, Minn. Canned corn. 291,143, renewed Jan. 26, 1952. O. G. Dec. 18. Class 46.

Blue Star Foods, Inc., Rockford, Ill. Potato chips, potato wafers, shelled nuts, etc. 552,259, Dec. 18; Serial No. 603,041, published Sept. 18, 1951. Class 46.

Bombay Dyeing & Manufacturing Co. Ltd., The, Bombay, India. Cotton piece goods. 552,342–3, Dec. 18; Serial Nos. 612,677–8, published Oct. 2, 1951. Class 42.

Bonewitz Chemicals, Inc., Burlington, Iowa. Laundry liquid rinse, and laundry compound. 552,232, Dec. 18; Serial No. 597,192, published Sept. 4, 1951. Class 52.

Bourjois, A., & Co. Inc., to Bourjois, Inc., New York, N. Y. Toilet powders. 99,940, Sept. 29, 1914. New certificate. O. G. Dec. 18. Class 51.

Bourjois, Inc.: *See*—
Bourjois, A., & Co. Inc.

Bow Solder Products Co., Inc., Brooklyn, N. Y. Solder. 552,348, Dec. 18; Serial No. 614,612, published Sept. 18, 1951. Class 14.

Boyd, William, Beverly Hills, Calif. Boys' and girls' school bags. 552,285, Dec. 18; Serial No. 606,119, published Oct. 2, 1951. Class 3.

Bragdon, Lord & Nagle Co., The, by McGraw-Hill Publishing Company, Inc., New York, N. Y. Weekly publication. 177,372, Dec. 18, 1923. Republished Dec. 18. Class 38.

Briggs, William E.: *See*—
H. B. Co.

Brindel, Arthur M., doing business under the name Brindel Mfg., Muncie, Ind. Cleanser. 552,384, Dec. 18; Serial No. 600,100. Class 52.

Brindel Mfg.: *See*—
Brindel, Arthur M.

Brooks, Arthur W.: *See*—
Multisort Company.

Brooks Brothers, New York, N. Y. Collars. 552,280, Dec. 18; Serial No. 605,986, published Aug. 21, 1951. Class 39.

Brooks, Lynne B., executrix: *See*—
Multisort Company.

Browntown Silica Company, Browntown, Wis. Granular and pulverized silica sand. 379,532, July 16, 1940. Republished Dec. 18. Class 1.

Bryan Full Fashioned Mills, Chattanooga, Tenn. Hosiery. 552,281, Dec. 18; Serial No. 605,989, published Sept. 25, 1951. Class 39.

Burke, W. J., & Co., San Francisco, Calif. Form clamp. 552,337, Dec. 18; Serial No. 611,557, published Sept. 18, 1951. Class 13.

Burton Brothers & Co. Inc., New York, N. Y. Cotton piece goods and mixtures of cotton and silk piece goods. 287,010, renewed Sept. 8, 1951. O. G. Dec. 18. Class 42.

Cady, Evelyn, New York, N. Y. Packets for individual use containing patterns, instructions, and materials for construction of dolls' dresses. 552,169, Dec. 18; Serial No. 583,518, published Aug. 14, 1951. Class 22.

Caldwell-Clements, Inc., New York, N. Y. Periodicals. 552,388, Dec. 18; Serial No. 601,710. Class 38.

California Fruit Exchange, Sacramento, Calif. Fresh apples, apricots, cherries, etc. 291,904, renewed Feb. 23, 1952. O. G. Dec. 18. Class 46.

Cannon Shoe Company, Baltimore, Md. Men's and boys' shoes. 552,251, Dec. 18; Serial No. 601,020, published Sept. 4, 1951. Class 39.

Cargill, Incorporated, Minneapolis, Minn. Parasiticides. 552,313, Dec. 18; Serial No. 607,792, published Sept. 18, 1951. Class 6.

Carolina Yam Distributors: *See*—
Levin, Meyer M.

Caterpillar Tractor Co., Peoria, Ill. Service, maintenance and repair of internal combustion engines, etc. 552,361, Dec. 18; Serial No. 601,253, published Sept. 25, 1951. Class 103.

Cattle Digest, Inc., Montgomery, Ala. Periodical publication. 552,380, Dec. 18; Serial No. 593,970. Class 38.

Cersai, Vincent C., Rome, Italy. Sprayers. 552,156, Dec. 18; Serial No. 578,488, published Oct. 2, 1951. Class 13.

Chagin, G., & Cia.: *See*—
Chagin, Gabriel.

Chagin, Gabriel, doing business as G. Chagin & Cia., Barranquilla, Colombia. Toilet preparation. 552,187, Dec. 18; Serial No. 588,358, published Sept. 11, 1951. Class 51.

Champion Textile Finishing Co., Chicago, Ill. Liquid composition for the waterproofing of fabrics. 552,268, Dec. 18; Serial No. 604,838, published Oct. 2, 1951. Class 6.

Chapman Chemical Company, Memphis, Tenn. Insecticidal wood preservative. 552,305, Dec. 18; Serial No. 607,538, published Sept. 18, 1951. Class 6.

Charms Company, Asbury Park, N. J. Candy. 552,241, Dec. 18; Serial No. 598,636, published Sept. 4, 1951. Class 46.

Chelan View Orchard Company, Chelan and Wenatchee, Wash. Fresh apples. 552,287, Dec. 18; Serial No. 606,271, published Aug. 28, 1951. Class 46.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail lacquer. 552,179, Dec. 18; Serial No. 587,247, published Sept. 11, 1951. Class 51.

Chipman's, Chas., Sons Co., Inc., to J. C. Penney Company, New York, N. Y. Hosiery. 285,116, renewed July 14, 1951. O. G. Dec. 18. Class 39.

Church & Company Limited, Northampton, England. Boots, shoes, gaiters, and spats. 290,411, renewed Jan. 5, 1952. O. G. Dec. 18. Class 39.

Ciba Limited, Basel, Switzerland. Chemical products. 552,320, Dec. 18; Serial No. 607,939, published Sept. 18, 1951. Class 6.

Clark, C. & J., Limited, Street, England. Sandals. 552,261, Dec. 18; Serial No. 603,954, published Sept. 4, 1951. Class 39.

Clark Thread Company, Inc., The: *See*—
Coats, J. & P., (R. I.) Inc.

Clarvan Corporation, Milwaukee, Wis. Vinyl-type plastic sheeting or film. 444,616, Dec. 18; Serial No. 503,191, published Sept. 25, 1951. Class 42.

Class Journal Company, by McGraw-Hill International Corporation, New York, N. Y. Periodical. 137,154, Nov. 23, 1920. Republished Dec. 18. Class 38.

Coats, J. & P., (R. I.) Inc., Pawtucket, R. I., to The Clark Thread Company, Inc., Clarkdale, Ga. Threads and yarns. 290,938, renewed Jan. 19, 1952. O. G. Dec. 18. Class 43.

Cobbs Fruit & Preserving Company, Little River, Fla. Fresh fruits, fruit juices, and fruit cake, etc. 552,191, Dec. 18; Serial No. 589,378, published Sept. 4, 1951. Class 46.

Cohen, Goldman & Co. Inc., New York, N. Y., to House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Men's, boys', and children's outer garments. 291,644, renewed Feb. 23, 1952. O. G. Dec. 18. Class 39.

Cohen, I., & Sons Co., Inc., Boston, Mass. Men's and women's shoes. 552,257, Dec. 18; Serial No. 602,930, published Sept. 25, 1951. Class 39.

Colorado Fuel and Iron Corporation, The: *See*—
Colorado Fuel and Iron Company, The

Colorado Fuel and Iron Corporation, The, Denver, Colo. Spring wire. 552,347, Dec. 18; Serial No. 613,559, published Sept. 11, 1951. Class 14.

Colorado Fuel and Iron Company, The, to The Colorado Fuel and Iron Corporation, Denver, Colo. Wire fence. 287,869, renewed Oct. 13, 1951. O. G. Dec. 18. Class 13.

Columbian Rope Company, Auburn, N. Y. Manila and sisal rope. 83,717, re-renewed Oct. 10, 1951. O. G. Dec. 18. Class 7.

Commercial Solvents Corporation, New York, N. Y. Chemical toxicants. 552,188, Dec. 18; Serial No. 588,553, published Sept. 18, 1951. Class 6.

Concord Clothes, Inc., New York, N. Y. Women's, men's, young men's, and students' clothing. 552,220, Dec. 18; Serial No. 595,451, published Sept. 25, 1951. Class 39.

Cone Export and Commission Company, to Cone Export and Commission Co., Inc., New York, N. Y. Cotton goods in the piece. 287,878, renewed Oct. 13, 1951. O. G. Dec. 18. Class 42.

Cone Export and Commission Co., Inc.: *See*—
Cone Export and Commission Company.

Consolidated Refining Co., New York, N. Y. Fluxing preparation. 552,326, Dec. 18; Serial No. 608,106, published Sept. 18, 1951. Class 6.

Coon, W. B., Company, Rochester, N. Y. Women's boots, shoes and oxfords. 552,130, Dec. 18; Serial No. 547,701, published Sept. 4, 1951. Class 39.

Coon, W. B., Company, Rochester, N. Y. Boots, shoes and oxfords. 552,131, Dec. 18; Serial No. 547,705, published Aug. 28, 1951. Class 39.

Coronet Sportswear, Inc., Sunbury, Pa. Children's clothing. 552,230, Dec. 18; Serial No. 596,901, published Sept. 18, 1951. Class 39.

Craftex Company, Boston, Mass., to National Gypsum Company, Buffalo, N. Y. Paints in powder, paste semiliquid, or ready mixed form. 289,145, renewed Nov. 17, 1951. O. G. Dec. 18. Class 16.

Crompton, James R., & Brothers, Limited, London, near Bury, to James R. Crompton & Brothers, Limited, London and Lancashire, England. India paper. 84,169, re-renewed Nov. 14, 1951. O. G. Dec. 18. Class 37.

Crown Cork & Seal Company, Inc., Baltimore, Md. Cushion material and specifically cork and cork composition material in disk, sheet, or block form. 291,872, renewed Feb. 23, 1952. O. G. Dec. 18. Class 1.

Cuno Engineering Corporation, The, Meriden, Conn. Mechanical fluid straining and filtering apparatus and parts thereof. 552,247, Dec. 18; Serial No. 599,158, published Oct. 2, 1951. Class 31.

Cusano, Paul, Hasbrouck Heights, N. J. Manually operated adjustable brackets. 552,174, Dec. 18; Serial No. 586,147, published Sept. 25, 1951. Class 13.

Custom Upholstering and Carpet Company, Inc., Baltimore, Md. Upholstered sofas and chairs. 552,385, Dec. 18; Serial No. 600,573. Class 32.

Danbury Rubber Company, Inc., The, Danbury, Conn. Shoe soles and heels. 552,282, Dec. 18; Serial No. 606,001, published Sept. 25, 1951. Class 39.

Davies-Young Soap Company, The, Dayton, Ohio. Antiseptic liquid soaps. 552,190, Dec. 18; Serial No. 589,010, published Sept. 4, 1951. Class 52.

Davis, W. A., Milling Company, High Point, N. C. Dairy, poultry, pig and hog, horse, mule, and goat feeds. 552,368, Dec. 18; Serial No. 562,250. Class 46.

Delta-Star Electric Company, Chicago, Ill. Nuts, bolts, clamps, metal pipe, and pipe fittings. 552,144, Dec. 18; Serial No. 566,328, published Oct. 2, 1951. Class 13.

Detroit Hardware Manufacturing Company, Detroit, Mich. Builders' hardware articles. 552,196, Dec. 18; Serial No. 590,736, published Oct. 2, 1951. Class 13.

Detroit Regulator Company, Detroit, Mich. Means for controlling gas flow—namely, valves. 552,283, Dec. 18; Serial No. 606,003, published Sept. 25, 1951. Class 13.

Dexter Company, The, Fairfield, Iowa. Household laundry washing machines. 552,170, Dec. 18; Serial No. 583,864, published Oct. 2, 1951. Class 24.

Dodson, Norris A., Incorporated, Dover, Del., and Washington, D. C. Embalming chemicals. 552,269, Dec. 18; Serial No. 604,886, published Sept. 18, 1951. Class 6.

Driver, Wilbur B., Company, Newark, N. J. Rod, wire, and flat strip formed of nickel, cobalt, and iron alloys. 552,349, Dec. 18; Serial No. 614,760, published Sept. 18, 1951. Class 14.

Eastover Engineering and Sales Co., Inc., Charlotte, N. C. Toy bubble blowing devices and liquid. 552,249, Dec. 18; Serial No. 599,753, published June 5, 1951. Class 22.

Economic Machinery Company, Worcester, Mass., to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Labeling-machines and parts of labeling-machines. 83,968, renewed Oct. 24, 1951. O. G. Dec. 18. Class 23.

Elgin American Manufacturing Co., to Illinois Watch Case Co., Elgin, Ill. Jewelry, cigarette cases, vanity cases, etc. 287,740, renewed Oct. 6, 1951. O. G. Dec. 18. Class 28.

Elvic Import Corporation, New York, N. Y. Pure silk bridal illusion, silk veilings, silk maline, etc. 552,194, Dec. 18; Serial No. 590,356, published Sept. 25, 1951. Class 42.

Ely & Walker Dry Goods Company, St. Louis, Mo. Handkerchiefs. 552,203, Dec. 18; Serial No. 592,987, published Sept. 18, 1951. Class 39.

Enterprise Paint Manufacturing Company, Chicago, Ill. Interior and exterior ready-mixed paints, paint enamels, combination ready-mixed plaster and paint, etc. 552,132, Dec. 18; Serial No. 548,153, published Sept. 18, 1951. Class 16.

Eureka Williams Corporation: *See*—
Williams Oil-O-Matic Heating Corporation.

Eutectic Welding Alloys Corporation, New York, N. Y. Welding flux material. 552,209, Dec. 18; Serial No. 594,203, published Sept. 18, 1951. Class 6.

Excelsior Accordions, Inc., New York, N. Y. Accordions. 552,272, Dec. 18; Serial No. 605,205, published Sept. 25, 1951. Class 36.

Excelsior Accordions, Inc., New York, N. Y. Accordions. 552,273, Dec. 18; Serial No. 605,206, published Oct. 2, 1951. Class 36.

Extraction and Chemical Company, Incorporated, assignee: *See*—
Naamloze Vennootschap Chemicaliënhandel Odol Company (Odol Maatschappij).

Farm Bureau Cooperative Association, Inc., The, Columbus, Ohio. Pure wheat bran, standard middlings, alfalfa meal, etc. 552,126, Dec. 18; Serial No. 541,657, published Sept. 11, 1951. Class 46.

Fay, Leslie, Fashions, Inc., New York, N. Y. Ladies', misses', junior misses', and teen age girls' dresses. 552,364, Dec. 18; Serial No. 538,627. Class 39.

Filice & Perrelli Canning Company, Inc., Richmond, Calif. Canned mixed fruits. 552,365, Dec. 18; Serial No. 540,657. Class 46.

Finch, William G. H., New York, N. Y. Facsimile transmission service. 552,397, Dec. 18; Serial No. 492,768. Class 104.

Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated. Natural and synthetic essential oils, aromatic chemicals. 552,210, Dec. 18; Serial No. 594,209, published Aug. 7, 1951. Class 18.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic chemical compositions, natural and synthetic essential oils, etc. 552,212, Dec. 18; Serial No. 594,262, published Sept. 18, 1951. Class 6.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial, natural, and synthetic essential oils, and aromatic chemicals. 552,260, Dec. 18; Serial No. 603,580, published Oct. 2, 1951. Class 18.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Fiske, J. W., Iron Works: *See*—
Malleable Steel Range Mfg. Co., The.

Flintkote Company, The: *See*—
Pioneer Paper Company.

Frank Brothers Footwear, Inc., New York, N. Y. Shoes and slippers. 552,215, Dec. 18; Serial No. 594,710, published Sept. 4, 1951. Class 39.

French Art Silk Creations Co.: *See*—
Tardy, Suzanne.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 552,338, Dec. 18; Serial No. 611,694, published Sept. 25, 1951. Class 42.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 552,341, Dec. 18; Serial No. 612,392, published Oct. 2, 1951. Class 42.

Furgatch, Bernard, executor: *See*—
Weinberg, Albert B.

G & M Company, Carrollton, Ky. Pile ointment. 552,253, Dec. 18; Serial No. 601,721, published Aug. 28, 1951. Class 18.

Garlock Packing Co., The, to The Garlock Packing Company, Palmyra, N. Y. Rod and joint packing. 37,332, re-renewed Nov. 19, 1951. O. G. Dec. 18. Class 35.

Garlock Packing Company, The: *See*—
Garlock Packing Co., The.

Geigy Company, Inc., New York, N. Y. Preparations for killing weeds, etc., insecticides, fungicides, etc. 552,289, Dec. 18; Serial No. 606,464, published Sept. 18, 1951. Class 6.

General Bronze Corporation, Garden City, N. Y. Soldering material. 552,334, Dec. 18; Serial No. 610,678, published Sept. 11, 1951. Class 14.

General Cable Corporation, New York, N. Y. Copper in the form of bars, rods, wires, etc. 552,199, Dec. 18; Serial No. 591,029, published Sept. 18, 1951. Class 14.

General Dyestuff Corporation, New York, N. Y. Coloring materials, particularly dyes. 552,327, Dec. 18; Serial No. 608,245, published Sept. 18, 1951. Class 6.

General Foods Corporation, New York, N. Y. Baking powder. 552,242, Dec. 18; Serial No. 598,644, published Oct. 2, 1951. Class 46.

General Foods Corporation, New York, N. Y. Baking powder. 552,243, Dec. 18; Serial No. 598,646, published Oct. 2, 1951. Class 46.

Girl Scouts of the United States of America, New York, N. Y. Shoes. 552,240, Dec. 18; Serial No. 598,529, published Sept. 25, 1951. Class 39.

Glaser, Crandell Co., Chicago, Ill. Fruit preserves, jellies, and marmalades, etc. 552,186, Dec. 18; Serial No. 587,944, published Sept. 11, 1951. Class 46.

Gould, Barbara, Inc.: *See*—
Gould, Barbara, Ltd.

Gould, Barbara, Ltd., to Barbara Gould, Inc., New York, N. Y. Cuticle remover, nail polish, nail polish remover, etc. 291,449, renewed Feb. 9, 1952. O. G. Dec. 18. Class 51.

Greco Canning Co., Inc., to Mission Valley Canning Co., Inc., San Jose, Calif. Canned fruits, canned vegetables. 291,197, renewed Feb. 2, 1952. O. G. Dec. 18. Class 46.

Green Giant Company: *See*—
Blue Earth Canning Company.

Gretsch, Fred., Manufacturing Co., The, Brooklyn, N. Y. Musical instruments. 552,129, Dec. 18; Serial No. 546,583, published Sept. 25, 1951. Class 36.

Gripsholm Restaurant Inc., New York, N. Y. Catering of food and beverages. 552,360, Dec. 18; Serial No. 600,957, published Oct. 2, 1951. Class 100.

Gulf Minerals Corporation, Baton Rouge, La. Lead ingots and lead pigs. 552,333, Dec. 18; Serial No. 610,556, published Sept. 18, 1951. Class 14.

Gump, S. & G., Company, San Francisco, Calif., assignor to Gump's, Inc. Base metal bowls, base metal vases, base metal plates, etc. 552,154, Dec. 18; Serial No. 576,534, published Oct. 2, 1951. Class 13.

Gump's, Inc., assignee: *See*—
Gump, S. & G., Company.

Gunite Concrete and Construction Company, Kansas City, Mo. Graduated measuring receptacle. 290,181, Dec. 22, 1931. Republished Dec. 18. Class 26.

H. B. Co., Jersey City, N. J., to William E. Briggs, doing business as H. B. Sales Co., Cambridge, Mass. Cough drops. 287,367, renewed Sept. 22, 1951. O. G. Dec. 18. Class 18.

H. B. Sales Co.: *See*—
H. B. Co.

Haering, D. W., & Co., Inc., San Antonio, Tex. Chemical product. 552,306, Dec. 18; Serial No. 607,627, published Sept. 18, 1951. Class 6.

Hagan Corporation, Pittsburgh, Pa. Corrosion preventives and antifoaming agents. 552,310, Dec. 18; Serial No. 607,706, published Sept. 18, 1951. Class 6.

Hairspring Vibrating Co.: *See*—
Verde, Charles D.

Hamilton Foundry & Machine Company, The, Hamilton, Ohio. Gray and white iron castings. 552,295, Dec. 18; Serial No. 606,941, published Sept. 11, 1951. Class 14.

Hamre Specialty Co., Chicago, Ill. Fishing rod holders. 552,133, Dec. 18; Serial No. 549,928, published Aug. 7, 1951. Class 22.

Harlow, Hal B.: *See*—
Rialto Heights Orange Growers.

Hart, Schaffner & Marx, Chicago, Ill. Men's, women's, and boys' sportcoats, topcoats, overcoats, etc. 552,314, Dec. 18; Serial No. 607,813, published Sept. 18, 1951. Class 39.

Hartmann-Schneider Company, Johnstown, Pa. Overalls, work shirts, men's trousers, and rompers. 552,124, Dec. 18; Serial No. 538,541, published Aug. 28, 1951. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men. 552,254, Dec. 18; Serial No. 601,788, published Aug. 21, 1951. Class 39.

Heeman Manufacturing Co., Wooster, Ohio. Fertilizer. 552,370, Dec. 18; Serial No. 573,659. Class 10.

Heeman Manufacturing Co., Wooster, Ohio. Fertilizer. 552,382, Dec. 18. Serial No. 599,056. Class 10.

Heintz Manufacturing Company, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical substances. 552,181, Dec. 18; Serial No. 587,550, published Oct. 2, 1951. Class 6.

Herziger, Marjorie H.: *See*—
Milwaukee Lubricants Co.

Hickey-Freeman Co., Rochester, N. Y. Men's suits and coats. 552,262, Dec. 18; Serial No. 604,261, published Sept. 18, 1951. Class 39.

Hillside Metal Ware Co., Hillside, N. J. Baking pans. 552,366, Dec. 18; Serial No. 554,229. Class 13.

Hillstrom, Sylvia, doing business as Blessing Co., Wilton, Conn. Condiments. 552,270, Dec. 18; Serial No. 605,032, published Sept. 18, 1951. Class 46.

Hoffman, M., & Co. Inc., Boston, Mass. Overalls, dungarees, jumpers, pants, etc. 547,696, Sept. 11, 1951. Corrected. O. G. Dec. 18. Class 39.

Horton Bristol Manufacturing Company, The: *See*—
Horton Manufacturing Company, The.

Horton Manufacturing Company, The, Bristol, Conn., now by change of name The Horton Bristol Manufacturing Company. Golf clubs. 552,234, Dec. 18; Serial No. 597,526, published Aug. 7, 1951. Class 22.

Houghton, E. F., & Co., Philadelphia, Pa. Chemical compound. 84,233–4, Nov. 21, 1911. Republished Dec. 18. Class 6.

House of Worsted-Tex, Inc.: *See*—
Cohen, Goldman & Co. Inc.

Howlett & Hockmeyer Co. Inc., New York, N. Y. Textile fabrics. 288,981, renewed Nov. 10, 1951. O. G. Dec. 18. Class 42.

Hubinger Company, The, Keokuk, Iowa. Laundry starch. 552,286, Dec. 18; Serial No. 606,219, published Sept. 18, 1951. Class 6.

Hudnut, Richard, assignee: *See*—
Chen Yu, Inc.

Huey Seed Company, Carthage, Ill. Field seeds. 552,166, Dec. 18; Serial No. 582,785, published Sept. 11, 1951. Class 1.

Hunt, Vernon B., to Tidy House, Inc., Shenandoah, Iowa. Liquid silver polish, window cleaner, rug and upholstery shampoo, etc. 374,706, Jan. 23, 1940. New certificate. O. G. Dec. 18. Class 4.

Hunt, Vernon B., doing business as Tidy House Products Co., to Tidy House, Inc., Shenandoah, Iowa. Self-polishing wax, furniture polish emulsion, etc. 382,209, Oct. 22, 1940. New certificate. O. G. Dec. 18. Class 4.

Huntington Moulding & Art, Inc., Huntington Station, N. Y., and elsewhere in the United States. Picture frames. 552,375, Dec. 18; Serial No. 588,491. Class 32.

Hyer, C. H., & Sons, Olathe, Kans. Men's, women's, and children's riding boots and shoes. 552,165, Dec. 18; Serial No. 582,482, published Sept. 4, 1951. Class 39.

Hygienic Products Company, The, Canton, Ohio. Cleaning-powder. 86,062, re-renewed Apr. 9, 1952. O. G. Dec. 18. Class 52.

Ideal Oak Leather Co., Inc., Morristown, Tenn. Toy pistol holsters. 552,396, Dec. 18; Serial No. 611,094. Class 22.

Illinois Packing Co., Chicago, Ill. Beef and lamb carcasses and beef liver. 552,369, Dec. 18; Serial No. 568,253. Class 46.

Illinois Watch Case Co.: *See*—
Elgin American Manufacturing Co.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Chilled steel globules. 552,340, Dec. 18; Serial No. 612,329, published Sept. 11, 1951. Class 14.

International Molded Plastics, Inc., Cleveland, Ohio. Plastic construction toys. 552,389, Dec. 18; Serial No. 601,922. Class 22.

International Nickel Company, Inc., The, New York, N. Y. Nickel welding electrodes. 552,353, Dec. 18; Serial No. 616,231, published Sept. 18, 1951. Class 14.

International Shoe Co., St. Louis, Mo. Boots and shoes. 290,354, renewed Jan. 5, 1952. O. G. Dec. 18. Class 39.

International Silver Company, to The International Silver Company, Meriden, Conn. Silver-plated flat-ware and hollow-ware. 287,235, renewed Sept. 15, 1951. O. G. Dec. 18. Class 28.

International Silver Company, The: *See*—
International Silver Company.

Irish Linen Trade Mark Association, Limited, The, Belfast, Ireland. Handkerchiefs. 552,399, Dec. 18; Serial No. 552,312. Class 39.

Irish Linen Trade Mark Association, Limited, The, Belfast, Ireland. Linen piece goods, tablecloths, napkins, etc. 552,400, Dec. 18; Serial No. 552,313. Class 42.

Isis Laboratories, Inc., Portland, Oreg. Complexion emulsions and creams, tissue or skin cleansing preparations, etc. 291,394, renewed Feb. 9, 1952. O. G. Dec. 18. Class 51.

Jablow, L. & Co., Inc., Philadelphia, Pa. Sport shirts, dress shirts, knit shirts, etc. 552,274–7, Dec. 18; Serial No. 605,423–6, published Aug. 21, 1951. Class 39.

Jacobs, H., & Sons, Inc., Hanover, Pa. Men's, women's, and children's shoes. 552,122, Dec. 18; Serial No. 537,894, published Sept. 4, 1951. Class 39.

Jefferson Island Salt Company, Louisville, Ky. Stock feeding salt. 552,238, Dec. 18; Serial No. 598,081, published Sept. 18, 1951. Class 46.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Tooth powder. 552,202, Dec. 18; Serial No. 592,637, published Sept. 11, 1951. Class 51.

Joyce, Inc., Pasadena, Calif. Women's shoes. 552,279, Dec. 18; Serial No. 605,957, published Sept. 4, 1951. Class 39.

Kagran Corporation, assignee: *See*—
Smith, Robert E.

Kantro, Jerome, doing business as Jerome Kantro Co., Salinas, Calif. Fresh vegetables. 552,330, Dec. 18; Serial No. 608,546, published Oct. 2, 1951. Class 46.

Kantro, Jerome, Co.: *See*—
Kantro, Jerome.

Kaufmann Corporation, Detroit, Mich. Single and double hung metal sash and frame window units, etc. 552,140, Dec. 18; Serial No. 558,562, published Aug. 28, 1951. Class 12.

Kelley-Clarke Company, to Kelley-Clarke Company, Seattle, Wash. Canned fish. 289,204, renewed Nov. 24, 1951. O. G. Dec. 18. Class 46.

King Coffee, Inc., Detroit, Mich. Tea, coffee, hot chocolate powder and gelatin powder. 552,143, Dec. 18; Serial No. 566,153, published Sept. 11, 1951. Class 46.

Kloster Steel Corporation, Chicago, Ill. Die and tool steel. 552,265, Dec. 18; Serial No. 604,583, published Sept. 18, 1951. Class 14.

Knapp-Monarch Company, St. Louis, Mo. Insecticides. 552,221, Dec. 18; Serial No. 595,502, published Sept. 18, 1951. Class 6.

Knoke, H. C., and Company, Chicago, Ill. Dried split peas, whole peas, beans, etc. 552,134, Dec. 18; Serial No. 550,328, published Sept. 11, 1951. Class 46.

Kress, S. H., and Company, New York, N. Y. Men's knitted and textile underwear. 552,175, Dec. 18; Serial No. 586,289, published Sept. 25, 1951. Class 39.

Kress, S. H., and Company, New York, N. Y. Playing cards. 552,351, Dec. 18; Serial No. 614,992, published Oct. 2, 1951. Class 22.

Lawndale Specialties Co., Evanston, Ill. Bath mitts. 552,180, Dec. 18; Serial No. 587,270, published Oct. 2, 1951. Class 42.

Lawrence, Gordon H., Sunnyside, N. Y. Containers designed for the purpose of holding artificial fishing flies. 552,193, Dec. 18; Serial No. 589,856, published Aug. 28, 1951. Class 22.

Lazzara Doll Co., Inc., New York, N. Y. Dolls. 552,208, Dec. 18; Serial No. 593,730, published Aug. 21, 1951. Class 22.

Levin, Meyer M., doing business as Carolina Yam Distributors, Williamston, N. C. Fresh sweet potatoes. 552,226, Dec. 18; Serial No. 596,034, published Sept. 11, 1951. Class 46.

Liberty Garment Manufacturing Co., Minneapolis, Minn. Men's and boys' overcoats, topcoats and stormcoats. 552,293, Dec. 18; Serial No. 606,669, published Aug. 21, 1951. Class 39.

Lilee Products, Inc., Chicago, Ill. Racks designed to be affixed to the wall or door. 552,339, Dec. 18; Serial No. 612,079, published Sept. 18, 1951. Class 13.

Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. 291,660, renewed Feb. 23, 1952. O. G. Dec. 18. Class 42.

Lind, William, Co.: *See*—
Lind, William.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned olives. 552,123, Dec. 18; Serial No. 538,305, published Sept. 18, 1951. Class 46.

London Aluminium Company Limited, The, Witton, Birmingham, England. Aluminium saucepans, aluminium kettles, basins, etc. 552,211, Dec. 18; Serial No. 594,225, published Sept. 18, 1951. Class 13.

Louis, M.: *See*—
Napolitan, Louis.

Lowe, Joe, Corporation: *See*—
Popsicle Corporation of The United States, The.

Mac-O-Lac Paint & Varnish Works, Detroit, Mich. Ready-mixed paints, varnishes, paint enamels. 552,137, Dec. 18; Serial No. 555,826, published Sept. 25, 1951. Class 16.

Majestic Ladies Shop, Inc., New York, N. Y. Ladies' hosiery. 552,321, Dec. 18; Serial No. 607,959, published Sept. 25, 1951. Class 39.

Malleable Steel Range Mfg. Co., The, South Bend, Ind., to J. W. Fiske Iron Works, New York, N. Y. Rubbish incinerator. 288,055, renewed Oct. 20, 1951. O. G. Dec. 18. Class 34.

Malone Knitting Company, Springfield, Mass. Infants' underwear. 552,322, Dec. 18; Serial No. 607,960, published Sept. 25, 1951. Class 39.

Mandee Fabrics, Inc., New York, N. Y. Textile fabrics. 552,267, Dec. 18; Serial No. 604,789, published Oct. 2, 1951. Class 42.

Marchand, Charles, Company, The, New York, N. Y. Hair rinse and tints. 552,278, Dec. 18; Serial No. 605,752, published Sept. 4, 1951. Class 51.

Marcus, Louis, Corp., The, Baltimore, Md. Misses', women's, and juniors' cloth coats and suits. 552,162, Dec. 18; Serial No. 581,431, published Sept. 4, 1951. Class 39.

Marino & Son Shoe Corp., New York, N. Y. Ladies' shoes. 552,239, Dec. 18; Serial No. 598,311, published Sept. 4, 1951. Class 39.

Marshall Field & Company, Chicago, Ill. Gloves. 291,811, renewed Feb. 23, 1952. O. G. Dec. 18. Class 39.

Marx Brothers, Birmingham, Ala. Shelled and unshelled pecans and sweetened desiccated coconut. 552,198, Dec. 18; Serial No. 590,788, published Sept. 4, 1951. Class 46.

Mathieson Chemical Corporation, Baltimore, Md. Insecticides. 552,323, Dec. 18; Serial No. 607,961, published Sept. 18, 1951. Class 6.

Mayer, B. W., Ltd., New York, N. Y. Men's neckwear. 552,233, Dec. 18; Serial No. 597,409, published Aug. 28, 1951. Class 39.

Mayer, Gus, Co. Limited, New Orleans, La. Women's cloth coats, fur coats, or coats of combinations of cloth and fur. 552,192, Dec. 18; Serial No. 589,666, published Sept. 4, 1951. Class 39.

McDougall & Cassou Men's Shop, Inc., Phoenix, Ariz. Men's suits, trousers and hats. 552,250, Dec. 18; Serial No. 600,730, published Oct. 2, 1951. Class 39.

McGraw-Hill Company, Inc., by McGraw-Hill International Corporation, New York, N. Y. Periodical publications. 147,636, Oct. 25, 1921. Republished Dec. 18. Class 38.

McGraw-Hill International Corporation: *See*—
Class Journal Company.
McGraw-Hill Company, Inc.

McGraw-Hill Publishing Company, Inc.: *See*—
Bragdon, Lord & Nagle Co., The.
Welding Engineer Publishing Co.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. 275,824, Sept. 30, 1930. Republished Dec. 18. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodicals. 399,035, Dec. 8, 1942. Republished Dec. 18. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 405,939, Feb. 29, 1944. Republished Dec. 18. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 408,353, Aug. 8, 1944. Republished Dec. 18. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 410,043, Nov. 7, 1944. Republished Dec. 18. Class 38.

McKenna, Jay G., Inc., Elkhart, Ind. Interior sliding door hardware. 552,335, Dec. 18; Serial No. 610,793, published Oct. 2, 1951. Class 13.

Mead Johnson & Company, Evansville, Ind. Food product. 552,176, Dec. 18; Serial No. 586,418, published Sept. 11, 1951. Class 46.

Mead Johnson & Company, Evansville, Ind. Concentrated solution of ferrous sulphate. 552,271, Dec. 18; Serial No. 605,106, published Sept. 4, 1951. Class 18.

Mechanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Consulting, engineering, and design services. 552,355, Dec. 18; Serial No. 533,341, published Sept. 25, 1951. Class 100.

Metallizing Engineering Co. Inc., Long Island City, N. Y. Repairing of metal spraying equipment and metal spraying equipment accessories. 552,362, Dec. 18; Serial No. 608,878, published Sept. 25, 1951. Class 103.

Meyer, Geo. J., Manufacturing Co.: *See*—
Economic Machinery Company.

Mid-State Chemical Supply Co., Lindsay, Calif. Wetting agents. 552,311, Dec. 18; Serial No. 607,714, published Sept. 18, 1951. Class 6.

Miller Company, The, Meriden, Conn. Portable floor and table lamps. 287,693, renewed Oct. 6, 1951. O. G. Dec. 18. Class 21.

Miller Company, The, Meriden, Conn. Electric lighting fixtures and lamps. 288,886, renewed Nov. 10, 1951. O. G. Dec. 18. Class 21.

Miller, David W., & Sons, Inc., New York, N. Y. Men's hats. 552,152, Dec. 18; Serial No. 576,270, published Aug. 21, 1951. Class 39.

Miller Protecto Products Co., Kalamazoo, Mich. Liquid air deodorant. 552,307, Dec. 18; Serial No. 607,635, published Sept. 18, 1951. Class 6.

Milwaukee Lubricants Co., to M. H. Herziger, Milwaukee, Wis. Cleaning, cleansing, and detergent materials. 284,084, renewed June 16, 1951. O. G. Dec. 18. Class 4.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber and fabric sport shoes. 552,119, Dec. 18; Serial No. 530,098, published Sept. 25, 1951. Class 39.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Footwear. 552,228, Dec. 18; Serial No. 596,432, published Sept. 25, 1951. Class 39.

Mission Valley Canning Co., Inc.: *See*—
Greco Canning Co., Inc.

Monsanto Chemical Company, St. Louis, Mo. Preservatives for wood, lumber and other cellulosic materials. 552,149, Dec. 18; Serial No. 571,654, published Sept. 18, 1951. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical preservatives. 552,266, Dec. 18; Serial No. 604,654, published Sept. 18, 1951. Class 6.

Montana Flour Mills Company, Great Falls, Mont. Poultry and stock feed, dog food, and fox and mink food. 552,263, Dec. 18; Serial No. 604,378, published Sept. 4, 1951. Class 46.

Mooresville Mills, Inc., Mooresville, N. C. Cotton piece goods. 552,344, Dec. 18; Serial No. 612,813, published Oct. 2, 1951. Class 42.

Morton-Withers Chemical Company, Greensboro, N. C. Plasticizers. 552,218, Dec. 18; Serial No. 595,271, published Oct. 2, 1951. Class 6.

Multisort Company, to L. B. Brooks, executrix of the estate of A. W. Brooks, doing business as Multisort Company, Boston, Mass. Apparatus for use in arranging papers, cards, and the like for filing or distribution. 286,791, renewed Sept. 1, 1951. O. G. Dec. 18. Class 32.

Munis, Manuel, doing business as Pelayo Sausage Co., Tampa, Fla. Canned sausage. 552,231, Dec. 18; Serial No. 596,930, published Sept. 4, 1951. Class 46.

Music Guild of America, Newark, N. J. Publication. 552,394, Dec. 18; Serial No. 605,223. Class 38.

Mutual Dealers Wholesale, Inc., St. Paul, Minn. Lubricating oils and greases. 552,377, Dec. 18; Serial No. 590,279. Class 15.

Naamlose Vennootschap Chemicaliënhandel Odol Company (Odol Maatschappij), Amsterdam, Netherlands, assignor to Extraction and Chemical Company, Incorporated, New York, N. Y. Shaving lotion and face skin tonic. 552,200, Dec. 18; Serial No. 591,692, published Aug. 7, 1951. Class 51.

Nalley's, Inc., Tacoma, Wash. Table syrup. 552,150, Dec. 18; Serial No. 573,673, published Aug. 28, 1951. Class 46.

Napolitan, Louis, doing business as M. Louis, New York, N. Y. Consulting services on art to department stores in the styling of hair, etc. 552,356, Dec. 18; Serial No. 558,910, published Oct. 2, 1951. Class 100.

National Aluminate Corporation, Chicago, Ill. Ion exchange resins. 552,315, Dec. 18; Serial No. 607,900, published Sept. 18, 1951. Class 6.

National Bakers Supply Corporation, Somerville, Mass. Candy marshmallows. 552,331, Dec. 18; Serial No. 608,828, published Sept. 18, 1951. Class 46.

National Gypsum Company: *See*—
Best Brothers Keene's Cement Company, The.
Craftex Company.

New England Fish Company, Seattle, Wash. Canned salmon. 284,99[illegible], July 14, 1931. Republished Dec. 18. Class 46.

New Holland Machine Company, New Holland, Pa. Magazine. 552,371, Dec. 18; Serial No. 577,281. Class 38.

New Jersey Zinc Company, The, New York, N. Y. Die casting alloy. 552,346, Dec. 18; Serial No. 613,304, published Sept. 11, 1951. Class 14.

Newport Finishing Corporation, Providence, R. I., and Fall River, Mass. Imparting a satin finish to fabrics. 552,337, Dec. 18; Serial No. 591,694, published Sept. 25, 1951. Class 106.

New York Merchandise Company, Inc., New York, N. Y. Thumb tacks and nails. 552,374, Dec. 18; Serial No. 585,762. Class 13.

Nik-O-Lok Company, The, Indianapolis, Ind. Metal folding shelves. 552,155, Dec. 18; Serial No. 576,591, published Sept. 25, 1951. Class 13.

Normandie Sales Corporation, New York, N. Y. Women's fur coats, cloth and fur coats, fur jackets, etc. 552,153, Dec. 18; Serial No. 576,417, published Aug. 21, 1951. Class 39.

Ny-Last Chemical Co., Newark, N. J., assignor to Shaw Products Corporation, Philadelphia, Pa. Chemicals. 552,304, Dec. 18; Serial No. 607,394, published Sept. 11, 1951. Class 6.

Nylo-Save Laboratory: *See*—
Smisek, Rudolph.

Osceola Foods, Inc., Osceola, Ark. Oleomargarine. 552,299–302, Dec. 18; Serial Nos. 607,341–4, published Sept. 4, 1951. Class 46.

O'Sullivan Rubber Corporation, Winchester, Va. Rubber heels and soles. 552,138, Dec. 18; Serial No. 556,215, published Sept. 25, 1951. Class 39.

Page, Ethel M., Northampton, Mass. Lubricating oils. 552,145, Dec. 18; Serial No. 570,014, published Sept. 11, 1951. Class 15.

Pan American Refining Corporation, New York, N. Y. Plasticizers, drying or semi-drying oils and synthetic resins, etc. 552,303, Dec. 18; Serial No. 607,345, published Sept. 18, 1951. Class 6.

Parker Brothers, Portland, Maine, and Salem, Mass., to Parker Brothers, Inc., Salem, Mass. Card games. 85,373, re-renewed Feb. 13, 1952. O. G. Dec. 18. Class 22.

Parker Brothers, Inc.: *See*—
Parker Brothers.

Patterson, C. J., Corporation, Kansas City, Mo., to Standard Brands Incorporated, New York, N. Y. Flour improver—namely a prepared chemical compound. 291,589, renewed Feb. 23, 1952. O. G. Dec. 18. Class 6.

Peabody American, Inc.: *See*—
Peabody, Henry W., & Co., Inc.

Peabody, Henry W., & Co., Inc., Seattle, Wash., assignor to Peabody American, Inc., New York, N. Y. Canned lobster and canned fruit cocktail. 552,151, Dec. 18; Serial No. 574,048, published Oct. 2, 1951. Class 46.

Pelayo Sausage Co.: *See*—
Minis, Manuel.

Penney, J. C., Company: *See*—
Chipman's, Chas., Sons Co., Inc.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Heintz Manufacturing Company.

Penton Publishing Company, The, Cleveland, Ohio. Publication. 552,387, Dec. 18; Serial No. 600,909. Class 38.

Petroleum Accessories, Inc., Detroit, Mich. Mechanical straining and filtering units. 552,125, Dec. 18; Serial No. 540,200, published Sept. 25, 1951. Class 31.

Phi Mu Delta Fraternity, The, Brooklyn, N. Y., to The Phi Mu Delta Fraternity, East Orange, N. J. Fraternity pins, badges and buttons. 288,870, renewed Nov. 10, 1951. O. G. Dec. 18. Class 28.

Phillips-Jones Corporation, New York, N. Y. Neckties. 552,205, Dec. 18; Serial No. 593,548, published Aug. 21, 1951. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' sport and work shirts. 552,206, Dec. 18; Serial No. 593,553, published Aug. 21, 1951. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' outer dress, sport and work shirts, collars, pajamas, etc. 552,207, Dec. 18; Serial No. 593,558, published Aug. 21, 1951. Class 39.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 552,213, Dec. 18; Serial No. 594,398, published Sept. 4, 1951. Class 46.

Pinkham, E. F., & Son, Exeter, Calif. Fresh grapes. 552,298, Dec. 18; Serial No. 607,189, published Sept. 4, 1951. Class 46.

Pioneer Paper Company, Los Angeles, Calif., to The Flintkote Company, New York, N. Y. Bituminous emulsions for arboricultural use. 290,414, renewed Jan. 5, 1952. O. G. Dec. 18. Class 12.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Fungicides and insecticides. 552,214, Dec. 18; Serial No. 594,659, published Sept. 18, 1951. Class 6.

Popsicle Corporation of The United States, The, by Joe Lowe Corporation, New York, N. Y. Frozen confectionery. 290,117, Dec. 22, 1931. Republished Dec. 18. Class 46.

Premier Knitting Co. Inc., New York, N. Y. Ladies' and misses' sweaters and sweater ensembles. 552,324, Dec. 18; Serial No. 608,016, published Sept. 25, 1951. Class 39.

Presto-Bolt Mfg. Co., Sun Valley, Calif. Bolts. 552,164, Dec. 18; Serial No. 581,889, published Sept. 18, 1951. Class 13.

Products Manufacturing Co., Inc., Baltimore, Md. Spring and inertia operated rolling toys. 552,217, Dec. 18; Serial No. 595,091, published Aug. 14, 1951. Class 22.

Pryor, Edward J., Santa Maria, Calif. Fresh vegetables. 552,325, Dec. 18; Serial No. 608,080, published Sept. 11, 1951. Class 46.

Puritan Knitting Mills, Inc., Philadelphia, to The Puritan Sportswear Corp., Altoona, Pa. Bathing suits, bathing trunks, bathing shirts, etc. 290,582, renewed Jan. 12, 1952. O. G. Dec. 18. Class 39.

Puritan Sportswear Corp., The: *See*—
Puritan Knitting Mills, Inc.

Pur-O-Pane Bottled Gas Company, Sparta, Ill. Propane gas. 552,256, Dec. 18; Serial No. 602,775, published Sept. 18, 1951. Class 6.

Quality Frozen Co.: *See*—
Ayres and Roberts.

Raxon Fabrics Corp., New York, N. Y. Necktie fabrics. 552,296, Dec. 18; Serial No. 606,950, published Sept. 25, 1951. Class 42.

Rea, Newville F.: *See*—
Weed Destroyer Co., Inc.

Reece, Herbert A., Cleveland Heights, Ohio. Iron and steel castings. 552,352, Dec. 18; Serial No. 615,573, published Sept. 18, 1951. Class 14.

Rexall Drug Company: *See*—
United Drug Company.

Reynolds, Arthur W., Newton, Conn., assignor to S & S Industries, Inc., New York, N. Y. Hangers to be affixed to the wall. 552,163, Dec. 18; Serial No. 581,830, published July 10, 1951. Class 13.

Rialto Heights Association: *See*—
Rialto Heights Orange Growers.

Rialto Heights Orange Growers, Rialto, Calif., assignee of H. B. Harlow, doing business as Rialto Heights Orange Growers and also doing business as Rialto Heights Association. Fresh citrus fruits. 552,118, Dec. 18; Serial No. 520,946, published Sept. 4, 1951. Class 46.

Richmond-Chase Company, San Jose, Calif. Canned fruits, canned vegetables, canned and bottled fruit and vegetable juices, etc. 552,139, Dec. 18; Serial No. 556,651, published Aug. 28, 1951. Class 46.

Rich's, Inc., Atlanta, Ga. Children's clothing. 552,244, Dec. 18; Serial No. 598,679, published Sept. 18, 1951. Class 39.

Roos, Pierre, to M. Baier, New York, N. Y. Hair goods. 289,648, renewed Dec. 1, 1951. O. G. Dec. 18. Class 40.

Rosnov and Rosnov, Philadelphia, Pa. Game. 552,350, Dec. 18; Serial No. 614,788, published Oct. 2, 1951. Class 22.

Royal Robes Inc., New York, N. Y. Men's locker room aprons. 552,219, Dec. 18; Serial No. 595,416, published Sept. 18, 1951. Class 39.

S. & D. Rivet Co.: *See*—
Steels & Busks Limited.

S & S Industries, Inc., assignee: *See*—
Reynolds, Arthur W.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned fruits. 552,246, Dec. 18; Serial No. 599,024, published Sept. 11, 1951. Class 46.

St. Croix Corporation, Unity, Wis. Fishing equipment. 552,376, Dec. 18; Serial No. 589,279. Class 22.

Saks, M. J., Shoe Corp., New York, N. Y. Leather, cloth top, satin top, metallic cloth top, and plastic top boots, shoes, pumps, etc. 552,227, Dec. 18; Serial No. 596,051, published Sept. 4, 1951. Class 39.

Saval Company, Los Angeles, Calif. Hydraulic valves and valve parts. 552,147, Dec. 18; Serial No. 570,381, published Sept. 25, 1951. Class 13.

Schneider, George C., Evanston, Ill. Bi-metallic type thermometers. 552,386, Dec. 18; Serial No. 600,619. Class 26.

Schoeppl, Carlos B., doing business as American Plan Service, Miami, Fla. Book of architectural plans. 552,363, Dec. 18; Serial No. 495,556. Class 38.

Schwartz, L. N., & Sons, Inc., Philadelphia, Pa. Leather shoes, leather moccasins, and athletic footwear. 552,120, Dec. 18; Serial No. 533,927, published Sept. 25, 1951. Class 39.

Scrumshus and Scrumpshus: *See*—
Sovern, Harold A.

Sears, Roebuck and Co., Chicago, Ill. Expandable metal racks for drying and creasing trousers, etc. 552,160, Dec. 18; Serial No. 581,380, published Oct. 2, 1951. Class 24.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Seat cover and door stop cushions, screws, etc. 289,929, Dec. 15, 1931. Republished Dec. 18. Class 13.

Sexton, John, & Co., Chicago, Ill. Toothpicks. 552,157, Dec. 18; Serial No. 578,713, published Sept. 4, 1951. Class 44.

Shanghai Syndicate, Inc., San Francisco, Calif. Tea. 552,372, Dec. 18; Serial No. 577,401. Class 46.

Shaw Products Corporation, assignee: *See*—
Ny-Last Chemical Co.

Smisek, Rudolph, doing business as Nylo-Save Laboratory, Willoughby, Ohio. Rinse for nylon hosiery. 552,204, Dec. 18; Serial No. 593,517, published Sept. 18, 1951. Class 6.

Smith, Robert E., assignor to Kagran Corporation, New York, N. Y. Children's socks, scarves, handkerchiefs, etc. 552,216, Dec. 18; Serial No. 595,002, published Aug. 28, 1951. Class 39.

Snap-On Tools Corporation: *See*—
Snap-On Tools, Inc.

Snap-On Tools, Inc., to Snap-On Tools Corporation, Kenosha, Wis. Wrenches, wrench sets, wrench sockets, tool handles, and screw drivers. 290,329, renewed Jan. 5, 1952. O. G. Dec. 18. Class 23.

Snap Tack Company, Vernon, Calif. Thumbtacks. 552,379, Dec. 18; Serial No. 592,345. Class 13.

Sniff, D. G., doing business under the fictitious firm name of Sniff's, Indio, Calif. Fresh and glazed dates and fresh citrus fruits. 552,148, Dec. 18; Serial No. 570,444, published Sept. 11, 1951. Class 46.

Sniff's: *See*—
Sniff, D. G.

Socony-Vacuum Oil Company, Incorporated: *See*—
Standard Oil Company of New York.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compound of petroleum oils. 552,309, Dec. 18; Serial No. 607,690, published Sept. 18, 1951. Class 6.

Söhne, P. D. Rasspe, Solingen-Stocken, Germany. Land-cultivation machinery and implements. 274,910, renewed Sept. 9, 1950. O. G. Dec. 18. Class 23.

Southeastern Syrup Company, Jackson, Tenn. Fruit jelly. 552,245, Dec. 18; Serial No. 598,870, published Sept. 25, 1951. Class 46.

Sovern, Harold A., doing business as Scrumshus and Scrumpshus, Cedar Rapids, Iowa. Ice cream. 552,391, Dec. 18; Serial No. 602,651. Class 46.

Spencer, William, & Son (Waterfoot) Limited, Waterfoot, Rossendale, England. Boots, shoes, slippers, etc. 552,158, Dec. 18; Serial No. 578,903, published Sept. 4, 1951. Class 39.

Sperry Corporation, The, New York and Great Neck, N. Y. Technical periodical. 552,383, Dec. 18; Serial No. 599,274. Class 38.

Standard Brands, Incorporated: *See*—
Patterson, C. J., Corporation.

Standard Milling Company, Chicago, Ill. Livestock and poultry feed. 552,128, Dec. 18; Serial No. 545,784, published Sept. 11, 1951. Class 46.

Standard Oil Company of New York, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum and products of petroleum. 287,746, renewed Oct. 6, 1951. O. G. Dec. 18. Class 15.

Stauffer Chemical Company, San Francisco, Calif. Pest control material. 552,308, Dec. 18; Serial No. 607,648, published Sept. 18, 1951. Class 6.

Steels & Busks Limited, trading as S. & D. Rivet Co., Leicester, England. Bifurcated and tubular rivets, and upholstery nails. 552,290, Dec. 18; Serial No. 606,634, published Sept. 18, 1951. Class 13.

Sterling Engineering Company, to Sterling, Inc., Milwaukee, Wis. Thermostatic temperature regulator. 290,483, renewed Jan. 5, 1952. O. G. Dec. 18. Class 26.

Sterling, Inc.: *See*—
Sterling Engineering Company.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 552,294, Dec. 18; Serial No. 606,815, published Aug. 21, 1951. Class 39.

Stockhausen, Frederick, doing business under the name and style of U-Mak-It Products, New York, N. Y. Knock-down parts for rowboats, kayaks, runabouts, etc. 552,378, Dec. 18; Serial No. 591,593. Class 19.

Stoody Company, Whittier, Calif. Stable-surface alloy steels. 552,345, Dec. 18; Serial No. 613,031, published Sept. 11, 1951. Class 14.

Strausbaugh, W. O., Motor Company, Youngstown, Ohio. Servicing motor vehicles. 552,354, Dec. 18; Serial No. 529,107, published Oct. 2, 1951. Class 103.

Stro-Kon Company, The, Whittier, Calif. Emulsified insecticide. 552,291–2, Dec. 18; Serial Nos. 606,635–6, published Oct. 2, 1951. Class 6.

Stupell, Carole, Ltd., New York, N. Y. Table settings. 552,235, Dec. 18; Serial No. 597,711, published Sept. 4, 1951. Class 50.

Sun Rubber Company, The, Barberton, Ohio. Dolls. 552,236–7, Dec. 18; Serial Nos. 597,918–19, published Aug. 21, 1951. Class 22.

Sun Rubber Company, The, Barberton, Ohio. Layettes for dolls. 552,255, Dec. 18; Serial No. 602,227, published Oct. 2, 1951. Class 22.

Swaine Co.: *See*—
Swaine, Fred J., Manufacturing Company.

Swaine, Fred J., Manufacturing Company, doing business as Swaine Co., St. Louis, Mo. Baking pans. 552,381, Dec. 18; Serial No. 595,290. Class 13.

Swedish Crucible Steel Company, Detroit, Mich. Hinged toilet seats. 552,373, Dec. 18; Serial No. 580,265. Class 13.

Sweet Life Food Corporation, Maspeth, N. Y. Tomato paste. 552,146, Dec. 18; Serial No. 570,128, published Sept. 11, 1951. Class 46.

Taco Heaters, Incorporated, Providence, R. I. Valves. 552,336, Dec. 18; Serial No. 611,048, published Sept. 18, 1951. Class 13.

Tappan Stove Company, The, Mansfield, Ohio. Griddles. 552,395, Dec. 18; Serial No. 607,882. Class 13.

Tardy, Suzanne, doing business as French Art Silk Creations Co., New York, N. Y. Necktles, scarves, hats, and belts. 552,201, Dec. 18; Serial No. 592,584, published Aug. 28, 1951. Class 39.

Thiel Tool & Engineering Company, St. Louis, Mo. Staples. 552,168, Dec. 18; Serial No. 583,416, published Oct. 2, 1951. Class 13.

Thomas, Charles: *See*—
Verde, Charles D.

Thommen Sports Equipment Inc., New York, N. Y. Fish lines. 552,195, Dec. 18; Serial No. 590,465, published Aug. 21, 1951. Class 22.

Tide-Overs Company, Providence, R. I. Coverings for the shoes and ankles. 552,161, Dec. 18; Serial No. 581,387, published Sept. 18, 1951. Class 39.

Tilly House, Inc.: *See*—
Hunt, Vernon B.

Tilly House Products Co.: *See*—
Hunt, Vernon B.

Toledo Guild Products, Inc., Toledo, Ohio. Cart-type golf bag support. 552,159, Dec. 18; Serial No. 580,532, published Aug. 21, 1951. Class 22.

Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. 552,171, Dec. 18; Serial No. 584,298, published Sept. 11, 1951. Class 1.

Tumbler, Joseph A., Baltimore, Md. Cleaner and polish. 273,546, Aug. 5, 1930. Corrected. O. G. Dec. 18. Class 4.

U-Mak-It Products: *See*—
Stockhausen, Frederick.

United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Medicinal preparation. 288,420, renewed Oct. 27, 1951. O. G. Dec. 18. Class 18.

United Stove Company, Ypsilanti, Mich. Oil stoves, ranges, ovens and heaters. 290,080, renewed Dec. 22, 1951. O. G. Dec. 18. Class 34.

Vanadium Corporation of America, New York, N. Y. Alloy for addition to cast iron. 552,189, Dec. 18; Serial No. 588,912, published Sept. 11, 1951. Class 14.

Van Brode Milling Co., Inc., Clinton, Mass. Insecticides. 552,312, Dec. 18; Serial No. 607,730, published Sept. 18, 1951. Class 6.

Verde, Charles D., doing business as Hairspring Vibrating Co., and also doing business as Charles Thomas, Union City, N. J. Watch repairing and adjusting. 552,398, Dec. 18; Serial No. 586,572. Class 103.

Virtue Bros. Mfg. Co., Los Angeles, Calif. Sink drainboards. 552,332, Dec. 18; Serial No. 609,217, published Aug. 7, 1951. Class 13.

Waddle's Drive-In Coffee Shop, Portland, Oreg. Prepared food products. 552,136, Dec. 18; Serial No. 554,338, published Sept. 4, 1951. Class 46.

Warren-Douglas Chemical Co. Inc., Omaha, Nebr. 2,4-D ester weed killer, 2,4-D amine weed killer, grain fumigant, etc. 552,197, Dec. 18; Serial No. 590,770, published Sept. 18, 1951. Class 6.

Weed Destroyer Co., Inc., Aberdeen, by N. F. Rea, Sumner, Wash. Liquid used for destroying weeds. 284,678, July 7, 1931. Republished Dec. 18. Class 6.

Weed Destroyer Co., Inc., Aberdeen, by N. F. Rea, Sumner, Wash. Liquid for destroying weeds. 284,773, July 7, 1931. Republished Dec. 18. Class 6.

Wehenn Abrasive Company, Chicago, Ill. Blast sand. 338,613, Sept. 8, 1936. Republished Dec. 18. Class 4.

Weinberg, Albert B., deceased; M. Weinberg and B. Furgatch, executors, assignors to H. L. Weisburg, New York, N. Y. Women's, misses', girls' dresses, coats, underwear, etc. 552,222, Dec. 18; Serial No. 595,575, published Sept. 4, 1951. Class 39.

Weinberg, Albert B., deceased; M. Weinberg and B. Furgatch, executors, assignors to H. L. Weisburg, New York, N. Y. Women's, misses', girls' dresses, coats, underwear, etc. 552,223–4, Dec. 18; Serial Nos. 595,577–8, published Sept. 4, 1951. Class 39.

Weinberg, Louis, Associates, Inc., New York, N. Y. Women's and girls' hat bodies, hats. 552,229, Dec. 18; Serial No. 596,542, published Aug. 21, 1951. Class 39.

Weinberg, Maxine, executrix: *See*—
Weinberg, Albert B.

Weisburg, Henry L., assignee: *See*—
Weinberg, Albert B.

Welding Engineer Publishing Co., Chicago, Ill., by McGraw-Hill Publishing Company, Inc., New York, N. Y. Monthly magazine. 118,246, Aug. 21, 1917. Republished Dec. 18. Class 38.

West Coast Packing Corporation, Long Beach, Calif. Canned tuna. 552,329, Dec. 18; Serial No. 608,525, published Sept. 4, 1951. Class 46.

West Disinfecting Company, Long Island City, N. Y. Chemical compositions. 552,316, Dec. 18; Serial No. 607,911, published Sept. 18, 1951. Class 6.

West Disinfecting Company, Long Island City, N. Y. Chemical compositions. 552,317–19, Dec. 18; Serial Nos. 607,913–15, published Sept. 18, 1951. Class 6.

Wheeling Corrugating Company, Wheeling, W. Va. Metal wash tubs. 552,121, Dec. 18; Serial No. 537,530, published Oct. 2, 1951. Class 24.

White, Arthur J., Inc.: *See*—
White, Arthur J., Sales, Inc.

White, Arthur J., Sales, Inc., Battle Creek, Mich., now by change of name Arthur J. White, Inc. Lotion. 552,141, Dec. 18; Serial No. 562,678, published Sept. 25, 1951. Class 51.

Williams Oil-O-Matic Heating Corporation, to Eureka Williams Corporation, Bloomington, Ill. Automatically electrically controlled and operated fuel heating systems. 290,863, renewed Jan. 19, 1952. O. G. Dec. 18. Class 34.

Willmark Corporation, New York, N. Y. Essential oils, flavoring extracts, and food specialties. 328,792, Oct. 8, 1935. Republished Dec. 18. Class 46.

Willmark Corporation, New York, N. Y. Essential oils, flavoring extracts, and food specialties. 336,498, July 7, 1936. Republished Dec. 18. Class 46.

Wilson Brothers, Chicago, Ill. Dress and negligee shirts, pajamas, men's underwear, etc. 288,538, renewed Nov. 3, 1951. O. G. Dec. 18. Class 39.

Wolcott Company, The, Hartford, Conn. Metal trays. 552,225, Dec. 18; Serial No. 595,694, published Sept. 18, 1951. Class 13.

Wolf, H., & Sons: *See*—
Wolf, Moses.

Wolf, Moses, doing business as H. Wolf & Sons, Cincinnati, Ohio. Men's and boys' undershirts, drawers, unionsuits, etc. 552,173, Dec. 18; Serial No. 585,878, published Sept. 25, 1951. Class 39.

Woods, H., Company, San Francisco, Calif. Women's hosiery. 552,297, Dec. 18; Serial No. 607,107, published Sept. 25, 1951. Class 39.

Wright & McGill Co., Denver, Colo. Fishing rods. 552,393, Dec. 18; Serial No. 604,244. Class 22.

Wype Corporation, St. Louis, Mo. Liquid transparent lacquer. 552,135, Dec. 18; Serial No. 551,675, published Sept. 25, 1951. Class 16.

Yuma Mesa Fruit Growers Association, Yuma, Ariz. Fresh grapefruit. 290,364, renewed Jan. 5, 1952. O. G. Dec. 18. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cushion material and specifically cork and cork composition material in disk, sheet, or block form. Crown Cork & Seal Company, Inc. 291,872, renewed Feb. 23, 1952. O. G. Dec. 18.

Leather. Albert Trostel & Sons Company. 552,171, Dec. 18; Serial No. 584,298, published Sept. 11, 1951.

Seeds, Field. Huey Seed Company. 552,166, Dec. 18; Serial No. 582,785, published Sept. 11, 1951.

Silica sand, Granular and pulverized. Browntown Silica Company. 379,552, July 16, 1940. Republished Dec. 18.

CLASS 3

School bags, Boys' and girls'. William Boyd. 552,285, Dec. 18; Serial No. 606,119, published Oct. 2, 1951.

CLASS 4

Blast sand. Wehenn Abrasive Company. 338,613, Sept. 8, 1936. Republished Dec. 18.

Cleaner and polish. J. A. Tumbler. 273,546, Aug. 5, 1930. Corrected. O. G. Dec. 18.

Cleaning, cleansing, and detergent materials. Milwaukee Lubricants Co. 284,084, renewed June 16, 1951. O. G. Dec. 18.

Polish, Liquid silver, window cleaner, rug and upholstery shampoo, etc. V. B. Hunt. 374,706, Jan. 23, 1940. New certificate. O. G. Dec. 18.

Wax, Self-polishing, furniture polish emulsion, etc. V. B. Hunt. 382,209, Oct. 22, 1940. New certificate. O. G. Dec. 18.

CLASS 6

Artificial and synthetic chemical compositions, natural and synthetic essential oils, etc. Firmenich & Co. 552,212, Dec. 18; Serial No. 594,262, published Sept. 18, 1951.

Chemical compositions. West Disinfecting Company. 552,316, Dec. 18; Serial No. 607,911, published Sept. 18, 1951.

Chemical compositions. West Disinfecting Company. 552,317–19, Dec. 18; Serial Nos. 607,913–15, published Sept. 18, 1951.

Chemical compositions, Synthetic organic. Allied Chemical & Dye Corporation. 552,185, Dec. 18; Serial No. 587,926, published Oct. 2, 1951.

Chemical compound. E. F. Houghton & Co. 84,233–4. Nov. 21, 1911. Republished Dec. 18.

Chemical preservatives. Monsanto Chemical Company. 552,266, Dec. 18; Serial No. 604,654, published Sept. 18, 1951.

Chemical product. D. W. Haering & Co., Inc. 552,306, Dec. 18; Serial No. 607,627, published Sept. 18, 1951.

Chemical products. Ciba Limited. 552,320, Dec. 18; Serial No. 607,939, published Sept. 18, 1951.

Chemical substances. Heintz Manufacturing Company. 552,181, Dec. 18; Serial No. 587,550, published Oct. 2, 1951.

Chemical toxicants. Commercial Solvents Corporation. 552,188, Dec. 18; Serial No. 588,553, published Sept. 18, 1951.

Chemicals. Ny-Last Chemical Co. 552,304, Dec. 18; Serial No. 607,394, published Sept. 11, 1951.

Coloring materials, particularly dyes. General Dyestuff Corporation. 552,327, Dec. 18; Serial No. 608,245, published Sept. 18, 1951.

Compound of petroleum oils. Socony-Vacuum Oil Company, Incorporated. 552,309, Dec. 18; Serial No. 607,690, published Sept. 18, 1951.

Corrosion preventives and antifoaming agents. Hagan Corporation. 552,310, Dec. 18; Serial No. 607,706, published Sept. 18, 1951.

Dyestuffs. Aktiebolaget Bofors. 552,328, Dec. 18; Serial No. 608,334, published Oct. 2, 1951.

Embalming chemicals. Norris A. Dodson, Incorporated. 552,269, Dec. 18; Serial No. 604,886, published Sept. 18, 1951.

Flour improver—namely a prepared chemical compound. C. J. Patterson Corporation. 291,589, renewed Feb. 23, 1952. O. G. Dec. 18.

Fluxing preparation. Consolidated Refining Co. 552,326, Dec. 18; Serial No. 608,106, published Sept. 18, 1951.

Fungicides and insecticides. Pittsburgh Plate Glass Company. 552,214, Dec. 18; Serial No. 594,659, published Sept. 18, 1951.

Insecticidal wood preservative. Chapman Chemical Company. 552,305, Dec. 18; Serial No. 607,538, published Sept. 18, 1951.

Insecticide, Emulsified. The Stro-Kon Company. 552,291–2, Dec. 18; Serial No. 606,635–6, published Oct. 2, 1951.

Insecticides. Knapp-Monarch Company. 552,221, Dec. 18; Serial No. 595,502, published Sept. 18, 1951.

Insecticides. Mathieson Chemical Corporation. 552,323, Dec. 18; Serial No. 607,961, published Sept. 18, 1951.

Insecticides. Van Brode Milling Co., Inc. 552,312, Dec. 18; Serial No. 607,730, published Sept. 18, 1951.

Ion exchange resins. National Aluminate Corporation. 552,315, Dec. 18; Serial No. 607,900, published Sept. 18, 1951.

Liquid air deodorant. Miller Protecto Products Co. 552,307, Dec. 18; Serial No. 607,635, published Sept. 18, 1951.

Liquid composition for the waterproofing of fabrics. Champion Textile Finishing Co. 552,268, Dec. 18; Serial No. 604,838, published Oct. 2, 1951.

Liquid for destroying weeds. Weed Destroyer Co., Inc. 284,773, July 7, 1931. Republished Dec. 18.

Liquid mixture of hydrocarbons. Allied Chemical & Dye Corporation. 552,142, Dec. 18; Serial No. 562,829, published Oct. 2, 1951.

Liquid used for destroying weeds. Weed Destroyer Co., Inc. 284,678, July 7, 1931. Republished Dec. 18.

Non-skid rug compounds. J. M. Adamo. 552,284, Dec. 18; Serial No. 606,065, published Sept. 18, 1951.

Parasiticides. Cargill, Incorporated. 552,313, Dec. 18; Serial No. 607,792, published Sept. 18, 1951.

Pest control material. Stauffer Chemical Company. 552,308, Dec. 18; Serial No. 607,648, published Sept. 18, 1951.

Plasticizers. Morton-Withers Chemical Company. 552,218, Dec. 18; Serial No. 595,271, published Oct. 2, 1951.

Plasticizers, drying or semi-drying oils, and synthetic resins, etc. Pan American Refining Corporation. 552,303, Dec. 18; Serial No. 607,345, published Sept. 18, 1951.

Preparations for killing weeds, etc., insecticides, fungicides, etc. Geigy Company, Inc. 552,289, Dec. 18; Serial No. 606,464, published Sept. 18, 1951.

Preservatives for wood, lumber and other cellulosic materials. Monsanto Chemical Company. 552,149, Dec. 18; Serial No. 571,654, published Sept. 18, 1951.

Propane gas. Pur-O-Pane Bottled Gas Company. 552,256, Dec. 18; Serial No. 602,775, published Sept. 18, 1951.

Rinse for nylon hosiery. R. Smisek. 552,204, Dec. 18; Serial No. 593,517, published Sept. 18, 1951.

Starch, Laundry. The Hubinger Company. 552,286, Dec. 18; Serial No. 606,219, published Sept. 18, 1951.

Weed killer, 2,4-D ester, 2,4-D amine weed killer, grain fumigant, etc. Warren-Douglas Chemical Co. Inc. 552,197, Dec. 18; Serial No. 590,770, published Sept. 18, 1951.

Welding flux material. Eutectic Welding Alloys Corporation. 552,209, Dec. 18; Serial No. 594,203, published Sept. 18, 1951.

Wetting agents. Mid-State Chemical Supply Co. 552,311, Dec. 18; Serial No. 607,714, published Sept. 18, 1951.

CLASS 7

Rope, Manila and sisal. Columbian Rope Company. 83,717, re-renewed Oct. 10, 1951. O. G. Dec. 18.

CLASS 10

Fertilizer. Heeman Manufacturing Co. 552,370, Dec. 18; Serial No. 573,659.

Fertilizer. Heeman Manufacturing Co. 552,382, Dec. 18; Serial No. 599,056.

CLASS 12

Bituminous emulsions for arboricultural use. Pioneer Paper Company. 290,414, renewed Jan. 5, 1952. O. G. Dec. 18.

Cement and plaster. The Best Brothers Keene's Cement Company. 289,232, renewed Nov. 24, 1951. O. G. Dec. 18.

Single and double hung metal sash and frame window units, etc. Kaufmann Corporation. 552,140, Dec. 18; Serial No. 558,562, published Aug. 28, 1951.

CLASS 13

Base metal bowls, base metal vases, base metal plates, etc. S. & G. Gump Company. 552,154, Dec. 18; Serial No. 576,534, published Oct. 2, 1951.

Bolts. Presto-Bolt Mfg. Co. 552,164, Dec. 18; Serial No. 581,889, published Sept. 18, 1951.

Brackets, Manually operated adjustable. P. Cusano. 552,174, Dec. 18; Serial No. 586,147, published Sept. 25, 1951.

Door hardware, Interior sliding. Jay G. McKenna, Inc. 552,335, Dec. 18; Serial No. 610,793, published Oct. 2, 1951.

Drainboards, Sink. Virtue Bros. Mfg. Co. 552,332, Dec. 18; Serial No. 609,217, published Aug. 7, 1951.

Form clamp. W. J. Burke & Co. 552,337, Dec. 18; Serial No. 611,557, published Sept. 18, 1951.

Griddles. The Tappan Stove Company. 552,395, Dec. 18; Serial No. 607,882.

Hangers to be affixed to the wall. A. W. Reynolds. 552,163, Dec. 18; Serial No. 581,830, published July 10, 1951.

Hardware articles, Builders'. Detroit Hardware Manufacturing Company. 552,196, Dec. 18; Serial No. 590,736, published Oct. 2, 1951.

Means for controlling gas flow—namely, valves. Detroit Regulator Company. 552,283, Dec. 18; Serial No. 606,003, published Sept. 25, 1951.

Metal folding shelves. The Nik-O-Lok Company. 552,155, Dec. 18; Serial No. 576,591, published Sept. 25, 1951.

Metal trays. The Wolcott Company. 552,225, Dec. 18; Serial No. 595,694, published Sept. 18, 1951.

Nuts, bolts, clamps, metal pipe, and pipe fittings. Delta-Star Electric Company. 552,144, Dec. 18; Serial No. 566,328, published Oct. 2, 1951.

Pans, Baking. Hillside Metal Ware Co. 552,366, Dec. 18; Serial No. 554,229.

Pans, Baking. Fred J. Swaine Manufacturing Company. 552,381, Dec. 18; Serial No. 595,290.

Racks designed to be affixed to the wall or door. Lilee Products, Inc. 552,339, Dec. 18; Serial No. 612,079, published Sept. 18, 1951.

Rivets, Bifurcated and tubular, and upholstery nails. Steels & Busks Limited. 552,290, Dec. 18; Serial No. 606,634, published Sept. 18, 1951.

Saucepans, Aluminium, aluminium kettles, basins, etc. The London Aluminium Company Limited. 552,211, Dec. 18; Serial No. 594,225, published Sept. 18, 1951.

Seat cover and door stop cushions, screws, etc. J. A. Sexauer Mfg. Co., Inc. 289,929, Dec. 15, 1931. Republished Dec. 18.

Sprayers. V. C. Cerasi. 552,156, Dec. 18; Serial No. 578,488, published Oct. 2, 1951.

Sprinklers, Lawn. Baramark World Corporation. 552,252, Dec. 18; Serial No. 601,092, published Oct. 2, 1951.

Staples. Thiel Tool & Engineering Company. 552,168, Dec. 18; Serial No. 583,416, published Oct. 2, 1951.

Thumbtacks. Snap Tack Company. 552,379, Dec. 18; Serial No. 592,345.

Thumb tacks and nails. New York Merchandise Company, Inc. 552,374, Dec. 18; Serial No. 585,762.

Toilet seats, Hinged. Swedish Crucible Steel Company. 552,373, Dec. 18; Serial No. 580,265.

Valves, Taco Heaters, Incorporated. 552,336, Dec. 18; Serial No. 611,048, published Sept. 18, 1951.

Valves, Hydraulic, and valve parts. Saval Company. 552,147, Dec. 18; Serial No. 570,381, published Sept. 25, 1951.

Valves, Mechanical pressure regulating. Balcrank, Inc. 552,182, Dec. 18; Serial No. 587,618, published Sept. 25, 1951.
Wire fence. The Colorado Fuel and Iron Company. 287,869, renewed Oct. 13, 1951. O. G. Dec. 18.

CLASS 14

Alloy, Die casting. The New Jersey Zinc Company. 552,346, Dec. 18; Serial No. 613,304, published Sept. 11, 1951.
Alloy for addition to cast iron. Vanadium Corporation of America. 552,189, Dec. 18; Serial No. 588,812, published Sept. 11, 1951.
Alloy steels, Stable-surface. Stoody Company. 552,345, Dec. 18; Serial No. 613,031, published Sept. 11, 1951.
Copper in the form of bars, rods, wires, etc. General Cable Corporation. 552,199, Dec. 18; Serial No. 591,029, published Sept. 18, 1951.
Die and tool steel. Kloster Steel Corporation. 552,265, Dec. 18; Serial No. 604,583, published Sept. 18, 1951.
Electrodes, Nickel welding. The International Nickel Company, Inc. 552,353, Dec. 18; Serial No. 616,231, published Sept. 18, 1951.
Iron and steel castings. H. A. Reece. 552,352, Dec. 18; Serial No. 615,573, published Sept. 18, 1951.
Iron castings, Gray and white. The Hamilton Foundry & Machine Company. 552,295, Dec. 18; Serial No. 606,941, published Sept. 11, 1951.
Lead ingots and lead pigs. Gulf Minerals Corporation. 552,333, Dec. 18; Serial No. 610,556, published Sept. 18, 1951.
Rod, wire and flat strip formed of nickel, cobalt and iron alloys. W. B. Driver. 552,349, Dec. 18; Serial No. 614,760, published Sept. 18, 1951.
Solder. Bow Solder Products Co., Inc. 552,348, Dec. 18; Serial No. 614,612, published Sept. 18, 1951.
Soldering material. General Bronze Corporation. 552,334, Dec. 18; Serial No. 610,678, published Sept. 11, 1951.
Steel globules, Chilled. Ingersoll-Rand Company. 552,340, Dec. 18; Serial No. 612,329, published Sept. 11, 1951.
Wire, Spring. The Colorado Fuel and Iron Corporation. 552,347, Dec. 18; Serial No. 613,559, published Sept. 11, 1951.

CLASS 15

Oils and greases, Lubricating. Mutual Dealers Wholesale, Inc. 552,377, Dec. 18; Serial No. 590,279.
Oils, Lubricating. E. M. Page. 552,145, Dec. 18; Serial No. 570,014, published Sept. 11, 1951.
Petroleum and products of petroleum. Standard Oil Company of New York. 287,746, renewed Oct. 6, 1951. O. G. Dec. 18.

CLASS 16

Lacquer, Liquid transparent. Wype Corporation. 552,135, Dec. 18; Serial No. 551,675, published Sept. 25, 1951.
Paints in powder, paste, semi-liquid, or ready mixed form. Craftex Company. 289,145, renewed Nov. 17, 1951. O. G. Dec. 18.
Paints, Interior and exterior ready-mixed, paint enamels, combination ready-mixed plaster and paint, etc. Enterprise Paint Manufacturing Company. 552,132, Dec. 18; Serial No. 548,153, published Sept. 18, 1951.
Paints, Ready-mixed, varnishes, paint enamels. Mac-O-Lac Paint & Varnish Works. 552,137, Dec. 18; Serial No. 555,826, published Sept. 25, 1951.
Tempera colors and water colors. The American Crayon Company. 289,611, renewed Dec. 1, 1951. O. G. Dec. 18.
Tempera colors and water colors. The American Crayon Company. 289,915, renewed Dec. 15, 1951. O. G. Dec. 18.

CLASS 18

Artificial, natural, and synthetic essential oils, and aromatic chemicals. Firmenich & Co. 552,260, Dec. 18; Serial No. 603,580, published Oct. 2, 1951.
Concentrated solution of ferrous sulphate. Mead Johnson & Company. 552,271, Dec. 18; Serial No. 605,106, published Sept. 4, 1951.
Cough drops. H. B. Co. 287,367, renewed Sept. 22, 1951. O. G. Dec. 18.
Medicinal preparation. United Drug Company. 288,420, renewed Oct. 27, 1951. O. G. Dec. 18.
Natural and synthetic essential oils, aromatic chemicals. Firmenich & Co. 552,210, Dec. 18; Serial No. 594,209, published Aug. 7, 1951.
Ointment, Pile. G & M Company. 552,253, Dec. 18; Serial No. 601,721, published Aug. 28, 1951.

CLASS 19

Knock-down parts for rowboats, kayaks, runabouts, etc. F. Stockhausen. 552,378, Dec. 18; Serial No. 591,593.

CLASS 21

Lamps, Portable floor and table. The Miller Company. 287,693, renewed Oct. 6, 1951. O. G. Dec. 18.
Lighting fixtures and lamps, Electric. The Miller Company. 288,886, renewed Nov. 10, 1951. O. G. Dec. 18.

CLASS 22

Containers designed for the purpose of holding artificial fishing flies. G. H. Lawrence. 552,193, Dec. 18; Serial No. 589,856, published Aug. 28, 1951.
Dolls. Lazzara Doll Co., Inc. 552,208, Dec. 18; Serial No. 593,730, published Aug. 21, 1951.
Dolls. The Sun Rubber Company. 552,236–7, Dec. 18; Serial Nos. 597,918–19, published Aug. 21, 1951.
Fish lines. Thommen Sports Equipment Inc. 552,195, Dec. 18; Serial No. 590,465, published Aug. 21, 1951.
Fishing equipment. St. Croix Corporation. 552,376, Dec. 18; Serial No. 589,279.
Fishing rod holders. Hamre Specialty Co. 552,133, Dec. 18; Serial No. 549,928, published Aug. 7, 1951.
Fishing rods. Wright & McGill Co. 552,393, Dec. 18; Serial No. 604,244.
Game. Rosnov and Rosnov. 552,350, Dec. 18; Serial No. 614,788, published Oct. 2, 1951.
Games, Card. Parker Brothers. 85,373, re-renewed Feb. 13, 1952. O. G. Dec. 18.
Golf bag support, Cart-type. Toledo Guild Products, Inc. 552,159, Dec. 18; Serial No. 580,532, published Aug. 21, 1951.
Golf clubs. The Horton Manufacturing Company. 552,234, Dec. 18; Serial No. 597,526, published Aug. 7, 1951.
Layettes for dolls. The Sun Rubber Company. 552,255, Dec. 18; Serial No. 602,227, published Oct. 2, 1951.
Packets for individual use containing patterns, instructions, and materials for construction of dolls' dresses. E. Cady. 552,169, Dec. 18; Serial No. 583,518, published Aug. 14, 1951.
Playing cards. S. H. Kress and Company. 552,351, Dec. 18; Serial No. 614,992, published Oct. 2, 1951.
Toy bubble blowing devices and liquid. Eastover Engineering and Sales Co., Inc. 552,249, Dec. 18; Serial No. 599,753, published June 5, 1951.
Toy pistol holsters. Ideal Oak Leather Co., Inc. 552,396, Dec. 18; Serial No. 611,094.
Toys, Plastic construction. International Molded Plastics, Inc. 552,389, Dec. 18; Serial No. 601,922.
Toys, Spring and inertia operated rolling. Products Manufacturing Co., Inc. 552,217, Dec. 18; Serial No. 595,091, published Aug. 14, 1951.
Tricycles and structural parts thereof, Children's. Aberdale Cycle Co. Limited. 444,617, Dec. 18; Serial No. 511,660, published Aug. 14, 1951.

CLASS 23

Labeling-machines and parts of labeling machines. Economic Machinery Company. 83,968, re-renewed Oct. 24, 1951. O. G. Dec. 18.
Land-cultivation machinery and implements. P. D. R. Söhne. 274,910, renewed Sept. 9, 1950. O. G. Dec. 18.
Wrenches, wrench sets, wrench sockets, tool handles, and screw drivers. Snap-On Tools, Inc. 290,329, renewed Jan. 5, 1952. O. G. Dec. 18.

CLASS 24

Racks for drying and creasing trousers, etc., Expandable metal. Sears, Roebuck and Co. 552,160, Dec. 18; Serial No. 581,380, published Oct. 2, 1951.
Wash tubs, Metal. Wheeling Corrugating Company. 552,121, Dec. 18; Serial No. 537,530, published Oct. 2, 1951.
Washing machines, Household laundry. The Dexter Company. 552,170, Dec. 18; Serial No. 583,864, published Oct. 2, 1951.

CLASS 26

Measuring receptacle, Graduated. Gunite Concrete and Construction Company. 290,181, Dec. 22, 1931. Republished Dec. 18.
Temperature regulator, Thermostatic. Sterling Engineering Company. 290,483, renewed Jan. 5, 1952. O. G. Dec. 18.
Thermometers, Bi-metallic type. G. C. Schneider. 552,386, Dec. 18; Serial No. 600,619.

CLASS 28

Flat-ware and hollow-ware, Silver-plated. International Silver Company. 287,235, renewed Sept. 15, 1951. O. G. Dec. 18.
Jewelry, cigarette cases, vanity cases, etc. Elgin American Manufacturing Co. 287,740, renewed Oct. 6, 1951. O. G. Dec. 18.
Pins, badges and buttons, Fraternity. The Phi Mu Delta Fraternity. 288,870, renewed Nov. 10, 1951. O. G. Dec. 18.

CLASS 31

Straining and filtering apparatus and parts thereof, Mechanical fluid. The Cuno Engineering Corporation. 552,247, Dec. 18; Serial No. 599,158, published Oct. 2, 1951.
Straining and filtering units, Mechanical. Petroleum Accessories, Inc. 552,125, Dec. 18; Serial No. 540,200, published Sept. 25, 1951.

CLASS 32

Apparatus for use in arranging papers, cards, and the like for filing or distribution. Multisort Company. 286,791, renewed Sept. 1, 1951. O. G. Dec. 18.

Picture frames. Huntington Moulding & Art, Inc. 552,375, Dec. 18; Serial No. 588,491.
Sofas and chairs, Upholstered. Custom Upholstering and Carpet Company, Inc. 552,385, Dec. 18; Serial No. 600,573.

CLASS 34

Heating systems, Automatically electrically controlled and operated fuel. Williams Oil-O-Matic Heating Corporation. 290,863, renewed Jan. 19, 1952. O. G. Dec. 18.
Incinerator, Rubbish. The Malleable Steel Range Mfg. Co. 288,055, renewed Oct. 20, 1951. O. G. Dec. 18.
Stoves, Oil, ranges, ovens and heaters. United Stove Company. 290,080, renewed Dec. 22, 1951. O. G. Dec. 18.

CLASS 35

Rod and joint packing. The Garlock Packing Co. 37,332, re-renewed Nov. 19, 1951. O. G. Dec. 18.

CLASS 36

Accordions. Excelsior Accordions, Inc. 552,272, Dec. 18; Serial No. 605,205, published Sept. 25, 1951.
Accordions. Excelsior Accordions, Inc. 552,273, Dec. 18; Serial No. 605,206, published Oct. 2, 1951.
Musical instruments. The Fred Gretsch Manufacturing Co. 552,129, Dec. 18; Serial No. 546,583, published Sept. 25, 1951.

CLASS 37

Crayons and chalks. The American Crayon Company. 288,909, renewed Nov. 10, 1951. O. G. Dec. 18.
Crayons, Wax, pressed crayons, pastel crayons, etc. The American Crayon Company. 289,085–6, renewed Nov. 17, 1951. O. G. Dec. 18.
Paper, India. James R. Crompton & Brothers, Limited. 84,169, re-renewed Nov. 14, 1951. O. G. Dec. 18.
Writing-paper. American Writing Paper Company. 85,311, re-renewed Feb. 13, 1952. O. G. Dec. 18.

CLASS 38

Book of architectural plans. C. B. Schoeppl. 552,363, Dec. 18; Serial No. 495,556.
Column in a periodical. The American Institute of Architects. 552,392, Dec. 18; Serial No. 602,730.
Magazine. McGraw-Hill Publishing Company, Inc. 275,824, Sept. 30, 1930. Republished Dec. 18.
Magazine. New Holland Machine Company. 552,371, Dec. 18; Serial No. 577,281.
Magazine, Monthly. Welding Engineer Publishing Co. 118,246, Aug. 21, 1917. Republished Dec. 18.
Magazines. McGraw-Hill Publishing Company, Inc. 405,939, Feb. 29, 1944. Republished Dec. 18.
Magazines. McGraw-Hill Publishing Company, Inc. 408,353, Aug. 8, 1944. Republished Dec. 18.
Magazines. McGraw-Hill Publishing Company, Inc. 410,043, Nov. 7, 1944. Republished Dec. 18.
Periodical. Ahrens Publishing Company, Inc. 552,390, Dec. 18; Serial No. 602,244.
Periodical. Class Journal Company. 137,154, Nov. 23, 1920. Republished Dec. 18.
Periodical, Technical. The Sperry Corporation. 552,383, Dec. 18; Serial No. 599,274.
Periodicals. Caldwell-Clements, Inc. 552,388, Dec. 18; Serial No. 601,710.
Periodicals. McGraw-Hill Publishing Company, Inc. 399,035, Dec. 8, 1942. Republished Dec. 18.
Publication, Weekly. The Bragdon, Lord & Nagle Co. 177,372, Dec. 18, 1923. Republished Dec. 18.
Publications, Periodical. McGraw-Hill Company, Inc. 147,636, Oct. 25, 1921. Republished Dec. 18.
Publication, Music Guild of America. 552,394, Dec. 18; Serial No. 605,223.
Publication. The Penton Publishing Company. 552,387, Dec. 18; Serial No. 600,909.
Publication, Periodical, Cattle Digest, Inc. 552,380, Dec. 18; Serial No. 593,970.
Section of a weekly publication. Barron's Publishing Company, Inc. 552,367, Dec. 18; Serial No. 555,364.

CLASS 39

Aprons, Men's locker room. Royal Robes Inc. 552,219, Dec. 18; Serial No. 595,416, published Sept. 18, 1951.
Bathing suits, bathing trunks, bathing shirts, etc. Puritan Knitting Mills, Inc. 290,582, renewed Jan. 12, 1952. O. G. Dec. 18.
Boots and shoes. International Shoe Co. 290,354, renewed Jan. 5, 1952. O. G. Dec. 18.
Boots and shoes, Men's, women's, and children's riding. C. H. Hyer & Sons. 552,165, Dec. 18; Serial No. 582,482, published Sept. 4, 1951.
Boots, shoes and oxfords. W. B. Coon Company. 552,131, Dec. 18; Serial No. 547,705, published Aug. 28, 1951.
Boots, shoes and oxfords, Women's. W. B. Coon Company. 552,130, Dec. 18; Serial No. 547,701, published Sept. 4, 1951.
Boots, shoes, gaiters, and spats. Church & Company Limited. 290,411, renewed Jan. 5, 1952. O. G. Dec. 18.
Boots, shoes, pumps, etc., Leather, cloth top, satin top, metallic cloth top, and plastic top. M. J. Saks Shoe Corp. 552,227, Dec. 18; Serial No. 596,051, published Sept. 4, 1951.

Boots, shoes, slippers, etc. William Spencer & Son (Waterfoot) Limited. 552,158, Dec. 18; Serial No. 578,903, published Sept. 4, 1951.
Cloth coats and suits, Misses, women's, and juniors'. The Louis Marcus Corp. 552,162, Dec. 18; Serial No. 581,431, published Sept. 4, 1951.
Cloth coats, fur coats, or coats of combinations of cloth and fur, Women's. Mayer Gus, Co. Limited. 552,192, Dec. 18; Serial No. 589,666, published Sept. 4, 1951.
Clothes, Work. L. F. Armitage Company. 552,183, Dec. 18; Serial No. 587,700, published Sept. 18, 1951.
Clothing, Children's. Coronet Sportswear, Inc. 552,230, Dec. 18; Serial No. 596,901, published Sept. 18, 1951.
Clothing, Children's. Rich's, Inc. 552,244, Dec. 18; Serial No. 598,679, published Sept. 18, 1951.
Clothing, Men's and young men's work, men's and young men's sportswear. Aldens, Inc. 552,177, Dec. 18; Serial No. 586,451, published Sept. 25, 1951.
Clothing, Women's, men's, young men's, and students'. Concord Clothes, Inc. 552,220, Dec. 18; Serial No. 595,451, published Sept. 25, 1951.
Collars. Brooks Brothers. 552,280, Dec. 18; Serial No. 605,986, published Aug. 21, 1951.
Coverings for the shoes and ankles. Tide-Overs Company. 552,161, Dec. 18; Serial No. 581,387, published Sept. 18, 1951.
Dresses, coats, underwear, etc., Women's, misses', girls'. A. B. and M. Weinberg, and B. Furgatch. 552,222, Dec. 18; Serial No. 595,575, published Sept. 4, 1951.
Dresses, coats, underwear, etc., Women's, misses', girls'. A. B. and M. Weinberg, and B. Furgatch. 552,223–4, Dec. 18; Serial Nos. 595,577–8, published Sept. 4, 1951.
Dresses, Ladies', misses', junior misses' and teen-age girls'. Leslie Fay Fashions, Inc. 552,364, Dec. 18; Serial No. 538,627.
Footwear. Mishawaka Rubber and Woolen Manufacturing Company. 552,228, Dec. 18; Serial No. 596,432, published Sept. 25, 1951.
Fur coats, cloth and fur coats, fur jackets, etc., Women's. Normandie Sales Corporation. 552,153, Dec. 18; Serial No. 576,417, published Aug. 21, 1951.
Garments, Men's, boys', and children's outer. Cohen, Goldman & Co. Inc. 291,644, renewed Feb. 23, 1952. O. G. Dec. 18.
Gloves. Marshall Field & Company. 291,811, renewed Feb. 23, 1952. O. G. Dec. 18.
Handkerchiefs. Ely & Walker Dry Goods Company. 552,203, Dec. 18; Serial No. 592,987, published Sept. 18, 1951.
Handkerchiefs. The Irish Linen Trade Mark Association, Limited. 552,399, Dec. 18; Serial No. 552,312.
Hat bodies, hats, Women's and girls'. Louis Weinberg Associates, Inc. 552,229, Dec. 18; Serial No. 596,542, published Aug. 21, 1951.
Hats and caps. John B. Stetson Company. 552,294, Dec. 18; Serial No. 606,815, published Aug. 21, 1951.
Hats and caps, Men's, women's, and children's. Advertising Arts Corporation. 552,172, Dec. 18; Serial No. 584,374, published Aug. 21, 1951.
Hats for men. Hat Corporation of America. 552,254, Dec. 18; Serial No. 601,788, published Aug. 21, 1951.
Hats, Men's. David W. Miller & Sons, Inc. 552,152, Dec. 18; Serial No. 576,270, published Aug. 21, 1951.
Hats, Women's, girls', and children's. Adelcia. 552,264, Dec. 18; Serial No. 604,511, published Aug. 21, 1951.
Heels and soles, Rubber. O'Sullivan Rubber Corporation. 552,138, Dec. 18; Serial No. 556,215, published Sept. 25, 1951.
Hosiery. Bryan Full Fashioned Mills. 552,281, Dec. 18; Serial No. 605,989, published Sept. 25, 1951.
Hosiery. Chas. Chipman's Sons Co., Inc. 285,116, renewed July 14, 1951. O. G. Dec. 18.
Hosiery, Ladies'. Majestic Ladies Shop, Inc. 552,321, Dec. 18; Serial No. 607,959, published Sept. 25, 1951.
Hosiery, Women's. H. Woods Company. 552,297, Dec. 18; Serial No. 607,107, published Sept. 25, 1951.
Neckties. Phillips-Jones Corporation. 552,205, Dec. 18; Serial No. 593,548, published Aug. 21, 1951.
Neckties, scarves, hats and belts. S. Tardy. 552,201, Dec. 18; Serial No. 592,584, published Aug. 28, 1951.
Neckwear, Men's. B. W. Mayer, Ltd. 552,233, Dec. 18; Serial No. 597,409, published Aug. 28, 1951.
Overalls, dungarees, jumpers, pants, etc. M. Hoffman & Co. Inc. 547,696, Sept. 11, 1951. Corrected. O. G. Dec. 18.
Overalls, work shirts, men's trousers, and rompers. Hartmann-Schneider Company. 552,124, Dec. 18; Serial No. 538,541, published Aug. 28, 1951.
Overcoats, topcoats, and stormcoats, Men's and boys'. Liberty Garment Manufacturing Co. 552,293, Dec. 18; Serial No. 606,669, published Aug. 21, 1951.
Sandals. C. & J. Clark, Limited. 552,261, Dec. 18; Serial No. 603,954, published Sept. 4, 1951.
Shirts, Dress and negligee, pajamas, men's underwear, etc. Wilson Brothers. 288,538, renewed Nov. 3, 1951. O. G. Dec. 18.
Shirts, Men's and boys' outer dress, sport and work, collars, pajamas, etc. Phillips-Jones Corporation. 552,207, Dec. 18; Serial No. 593,558, published Aug. 21, 1951.
Shirts, Men's and boys' sport and work. Phillips-Jones Corporation. 552,206, Dec. 18; Serial No. 593,553, published Aug. 21, 1951.

Shirts, Sport, dress shirts, knit shirts, etc. I. Jablow & Co., Inc. 552,274–7, Dec. 18; Serial Nos. 605,423–6, published Aug. 21, 1951.
Shoe soles. Avon Sole Company. 552,178, Dec. 18; Serial No. 586,676, published Sept. 4, 1951.
Shoe soles and heels. The Danbury Rubber Company, Inc. 552,282, Dec. 18; Serial No. 606,001, published Sept. 25, 1951.
Shoes. Girl Scouts of the United States of America. 552,240, Dec. 18; Serial No. 598,529, published Sept. 25, 1951.
Shoes and slippers. Frank Brothers Footwear, Inc. 552,215, Dec. 18; Serial No. 594,710, published Sept. 4, 1951.
Shoes, Ladies'. Marino & Son Shoe Corp. 552,239, Dec. 18; Serial No. 598,311, published Sept. 4, 1951.
Shoes, Leather, leather moccasins, and athletic footwear. L. N. Schwartz & Sons, Inc. 552,120, Dec. 18; Serial No. 533,927, published Sept. 25, 1951.
Shoes, Men's and boys'. Cannon Shoe Company. 552,251, Dec. 18; Serial No. 601,020, published Sept. 4, 1951.
Shoes, Men's and women's. I. Cohen & Sons, Inc. 552,257, Dec. 18; Serial No. 602,930, published Sept. 25, 1951.
Shoes, Men's, women's, and children's. H. Jacobs & Sons, Inc. 552,122, Dec. 18; Serial No. 537,894, published Sept. 4, 1951.
Shoes, Rubber and fabric sport. Mishawaka Rubber and Woolen Manufacturing Company. 552,119, Dec. 18; Serial No. 530,098, published Sept. 25, 1951.
Shoes, Women's. Joyce, Inc. 552,279, Dec. 18; Serial No. 605,957, published Sept. 4, 1951.
Shoes, Women's and men's. Allied Stores Corporation. 552,258, Dec. 18; Serial No. 603,035, published Sept. 4, 1951.
Socks, scarves, handkerchiefs, etc. Children's. R. E. Smith. 552,216, Dec. 18; Serial No. 595,002, published Aug. 28, 1951.
Sportcoats, topcoats, overcoats, etc., Men's, women's, and boys'. Hart, Schaffner & Marx. 552,314, Dec. 18; Serial No. 607,813, published Sept. 18, 1951.
Suits and coats, Men's. Hickey-Freeman Co. 552,262, Dec. 18; Serial No. 604,261, published Sept. 18, 1951.
Suits, trousers, and hats, Men's. McDougall & Cassou Men's Shop, Inc. 552,250, Dec. 18; Serial No. 600,730, published Oct. 2, 1951.
Sweaters and sweater ensembles, Ladies' and misses'. Premier Knitting Co., Inc. 552,324, Dec. 18; Serial No. 608,016, published Sept. 25, 1951.
Undershirts, drawers, unionsuits, etc., Men's and boys'. M. Wolf. 552,173, Dec. 18; Serial No. 585,878, published Sept. 25, 1951.
Underwear, Infants'. Malone Knitting Company. 552,322, Dec. 18; Serial No. 607,960, published Sept. 25, 1951.
Underwear, Men's knitted and textile. S. H. Kress and Company. 552,175, Dec. 18; Serial No. 586,289, published Sept. 25, 1951.

CLASS 40

Hair goods. P. Roos. 289,648, renewed Dec. 1, 1951. O. G. Dec. 18.

CLASS 42

Bath mitts. Lawndale Specialties Co. 552,180, Dec. 18; Serial No. 587,270, published Oct. 2, 1951.
Cotton goods in the piece. Cone Export and Commission Company. 287,878, renewed Oct. 13, 1951. O. G. Dec. 18.
Fabrics, Necktie. Raxon Fabrics Corp. 552,296, Dec. 18; Serial No. 606,950, published Sept. 25, 1951.
Fabrics, Textile. D. B. Fuller & Co., Inc. 552,338, Dec. 18; Serial No. 611,694, published Sept. 25, 1951.
Fabrics, Textile. D. B. Fuller & Co., Inc. 552,341, Dec. 18; Serial No. 612,392, published Oct. 2, 1951.
Fabrics, Textile. Howlett & Hockmeyer Co. Inc. 288,981, renewed Nov. 10, 1951. O. G. Dec. 18.
Fabrics, Textile. Mandee Fabrics, Inc. 552,267, Dec. 18; Serial No. 604,789, published Oct. 2, 1951.
Piece goods, Cotton. The Bombay Dyeing & Manufacturing Co. Ltd. 552,342–3, Dec. 18; Serial Nos. 612,677–8, published Oct. 2, 1951.
Piece goods, Cotton. W. Lind. 291,660, renewed Feb. 23 1952. O. G. Dec. 18.
Piece goods, Cotton. Mooresville Mills, Inc. 552,344, Dec. 18; Serial No. 612,813, published Oct. 2, 1951.
Piece goods, Cotton, and mixtures of cotton and silk piece goods. Burton Brothers & Co. Inc. 287,010, renewed Sept. 8, 1951. O. G. Dec. 18.
Piece goods, Linen, tablecloths, napkins, etc. The Irish Linen Trade Mark Association, Limited. 552,400, Dec. 18; Serial No. 552,313.
Plastic sheeting or film, Vinyl-type. Clarvan Corporation. 444,616, Dec. 18; Serial No. 503,191, published Sept. 25, 1951.
Silk bridal illusion, Pure, silk veiling, silk maline, etc. Elvic Import Corporation. 552,194, Dec. 18; Serial No. 590,356, published Sept. 25, 1951.

CLASS 43

Threads and yarns. J. & P. Coats, (R. I.) Inc. 290,958, renewed Jan. 19, 1952. O. G. Dec. 18.

CLASS 44

Toothpicks. John Sexton & Co. 552,157, Dec. 18; Serial No. 578,713, published Sept. 4, 1951.

CLASS 46

Apple butter, apple jelly, apricot preserves, etc. Bliss Syrup & Preserving Co. 552,127, Dec. 18; Serial No. 545,429, published Sept. 4, 1951.
Apples, apricots, cherries, etc., Fresh. California Fruit Exchange. 291,904, renewed Feb. 23, 1952. O. G. Dec. 18.
Apples, Fresh. Chelan View Orchard Company. 552,287, Dec. 18; Serial No. 606,271, published Aug. 28, 1951.
Baking powder. General Foods Corporation. 552,242, Dec. 18; Serial No. 598,644, published Oct. 2, 1951.
Baking powder. General Foods Corporation. 552,243, Dec. 18; Serial No. 598,646, published Oct. 2, 1951.
Beef and lamb carcasses and beef liver. Illinois Packing Co. 552,369, Dec. 18; Serial No. 568,253.
Candy. Charms Company. 552,241, Dec. 18; Serial No. 598,636, published Sept. 4, 1951.
Candy marshmallows. National Bakers Supply Corporation. 552,331, Dec. 18; Serial No. 608,828, published Sept. 18, 1951.
Canned corn. Blue Earth Canning Company. 291,143, renewed Jan. 26, 1952. O. G. Dec. 18.
Canned fish. Kelley-Clarke Company. 289,204, renewed Nov. 24, 1951. O. G. Dec. 18.
Canned fruits. Safeway Stores, Incorporated. 552,246, Dec. 18; Serial No. 599,024, published Sept. 11, 1951.
Canned fruits, canned vegetables. Greco Canning Co., Inc. 291,197, renewed Feb. 2, 1952. O. G. Dec. 18.
Canned fruits, canned vegetables, canned and bottled fruit and vegetable juices, etc. Richmond-Chase Company. 552,139, Dec. 18; Serial No. 556,631, published Aug. 28, 1951.
Canned lobster and canned fruit cocktail. Henry W. Peabody & Co., Inc. 552,151, Dec. 18; Serial No. 574,048, published Oct. 2, 1951.
Canned mixed fruits. Filice & Perrelli Canning Company, Inc. 552,365, Dec. 18; Serial No. 540,657.
Canned olives. Lindsay Ripe Olive Company. 552,123, Dec. 18; Serial No. 538,305, published Sept. 18, 1951.
Canned salmon. New England Fish Company. 284,991, July 14, 1931. Republished Dec. 18.
Canned sausage. M. Muniz. 552,231, Dec. 18; Serial No. 596,930, published Sept. 4, 1951.
Canned tuna. West Coast Packing Corporation. 552,329, Dec. 18; Serial No. 608,525, published Sept. 4, 1951.
Condiments. S. Hillstrom. 552,270, Dec. 18; Serial No. 605,032, published Sept. 18, 1951.
Confectionery, Frozen. The Popsicle Corporation of The United States. 290,117, Dec. 22, 1931. Republished Dec. 18.
Dates, Fresh and glazed, and fresh citrus fruits. D. G. Sniff. 552,148, Dec. 18; Serial No. 570,444, published Sept. 11, 1951.
Essential oils, flavoring extracts, and food specialties. Willmark Corporation. 328,792, Oct. 8, 1935. Republished Dec. 18.
Essential oils, flavoring extracts, and food specialties. Willmark Corporation. 336,498, July 7, 1936. Republished Dec. 18.
Feed, Livestock and poultry. Standard Milling Company. 552,128, Dec. 18; Serial No. 545,784, published Sept. 11, 1951.
Feed, Poultry and stock, dog food and fox and mink food. Montana Flour Mills Company. 552,263, Dec. 18; Serial No. 604,378, published Sept. 4, 1951.
Feeds, Dairy, poultry, pig and hog, horse, mule, and goat. W. A. Davis Milling Company. 552,368, Dec. 18; Serial No. 562,250.
Flour, Wheat. Pillsbury Mills, Inc. 552,213, Dec. 18; Serial No. 594,398, published Sept. 4, 1951.
Food product. Mead Johnson & Company. 552,176, Dec. 18; Serial No. 586,418, published Sept. 11, 1951.
Food products, Prepared. Waddle's Drive-In Coffee Shop. 552,136, Dec. 18; Serial No. 554,338, published Sept. 4, 1951.
Fruits, Fresh citrus. Rialto Heights Orange Growers. 552,118, Dec. 18; Serial No. 520,946, published Sept. 4, 1951.
Fruits, Fresh, fruit juices, and fruit cake, etc. Cobbs Fruit & Preserving Company. 552,191, Dec. 18; Serial No. 589,378, published Sept. 4, 1951.
Grapefruit, Fresh. Yuma Mesa Fruit Growers Association. 290,364, renewed Jan. 5, 1952. O. G. Dec. 18.
Grapes, Fresh. E. F. Pinkham & Son. 552,298, Dec. 18; Serial No. 607,189, published Sept. 4, 1951.
Ice cream. Beatrice Creamery Company. 288,434, renewed Oct. 27, 1951. O. G. Dec. 18.
Ice cream. H. A. Sovern. 552,391, Dec. 18; Serial No. 602,651.
Ice cream bar. Beatrice Creamery Company. 289,680, renewed Dec. 1, 1951. O. G. Dec. 18.
Jelly, Fruit. Southeastern Syrup Company. 552,245, Dec. 18; Serial No. 598,870, published Sept. 25, 1951.
Milk and cream. Henry Becker & Son, Inc. 291,784, renewed Feb. 23, 1952. O. G. Dec. 18.
Milk and cream. Henry Becker & Son, Inc. 291,788, renewed Feb. 23, 1952. O. G. Dec. 18.

Milk and cream. Henry Becker & Son, Inc. 291,827–8, renewed Feb. 23, 1952. O. G. Dec. 18.
Milk and cream. Henry Becker & Son, Inc. 291,870–1, renewed Feb. 23, 1952. O. G. Dec. 18.
Oleomargarine. Osceola Foods, Inc. 552,299–302, Dec. 18; Serial Nos. 607,341–4, published Sept. 4, 1951.
Peas, Dried split, whole peas, beans, etc. H. C. Knoke and Company. 552,134, Dec. 18; Serial No. 550,328, published Sept. 11, 1951.
Peas, Frozen fresh green. Ayres and Roberts. 552,288, Dec. 18; Serial No. 606,358, published Sept. 11, 1951.
Pecans, Shelled and unshelled, and sweetened desiccated coconut. Marx Brothers. 552,198, Dec. 18; Serial No. 590,788, published Sept. 4, 1951.
Potato chips, potato wafers, shelled nuts, etc. Blue Star Foods, Inc. 552,259, Dec. 18; Serial No. 603,041, published Sept. 18, 1951.
Potatoes, Fresh sweet. M. M.-Levin. 552,226, Dec. 18; Serial No. 596,034, published Sept. 11, 1951.
Preserves, Fruit, jellies and marmalades, etc. Glaser, Crandell Co. 552,186, Dec. 18; Serial No. 587,944, published Sept. 11, 1951.
Salt, Stock feeding. Jefferson Island Salt Company. 552,238, Dec. 18; Serial No. 598,081, published Sept. 18, 1951.
Syrup, Table. Nalley's, Inc. 552,150, Dec. 18; Serial No. 573,673, published Aug. 28, 1951.
Tea. Shanghai Syndicate, Inc. 552,372, Dec. 18; Serial No. 577,401.
Tea, coffee, hot chocolate powder and gelatin powder. King Coffee, Inc. 552,143, Dec. 18; Serial No. 566,153, published Sept. 11, 1951.
Tomato paste. Sweet Life Food Corporation. 552,146, Dec. 18; Serial No. 570,128, published Sept. 11, 1951.
Vegetables, Fresh. J. Kantro. 552,330, Dec. 18; Serial No. 608,546, published Oct. 2, 1951.
Vegetables, Fresh. E. J. Pryor. 552,325, Dec. 18; Serial No. 608,080, published Sept. 11, 1951.
Wheat bran, Pure, standard middlings, alfalfa meal, etc. The Farm Bureau Cooperative Association, Inc. 552,126, Dec. 18; Serial No. 541,657, published Sept. 11, 1951.

CLASS 50

Closure caps. Anchor Hocking Glass Corporation. 552,184, Dec. 18; Serial No. 587,784, published Sept. 4, 1951.
Metal scaffolding. Automatic Devices, Inc. 552,248, Dec. 18; Serial No. 599,548, published Sept. 4, 1951.
Table mats, Asbestos. A. & W. Asbestos Table Mat Company. 552,167, Dec. 18; Serial No. 582,874, published May 30, 1950.
Table settings. Carole Stupell Ltd. 552,235, Dec. 18; Serial No. 597,711, published Sept. 4, 1951.

CLASS 51

Complexion emulsions and creams, tissue or skin cleansing preparations, etc. Isis Laboratories, Inc. 291,394, renewed Feb. 9, 1952. O. G. Dec. 18.
Cuticle remover, nail polish, nail polish remover, etc. Barbara Gould Ltd. 291,449, renewed Feb. 9, 1952. O. G. Dec. 18.
Face powder. Elizabeth Arden, Inc. 290,219, renewed Dec. 22, 1951. O. G. Dec. 18.
Hair rinse and tints. The Charles Marchand Company. 552,278, Dec. 18; Serial No. 605,752, published Sept. 4, 1951.
Lipstick and nail lacquer. Chen Yu, Inc. 552,179, Dec. 18; Serial No. 587,247, published Sept. 11, 1951.
Lotion. Arthur J. White Sales, Inc. 552,141, Dec. 18; Serial No. 562,678, published Sept. 25, 1951.
Lotion, Shaving, and face skin tonic. Naamloze Vennootschap Chemicaliënhandel Odol Company (Odol Maatschappij). 552,200, Dec. 18; Serial No. 591,692, published Aug. 7, 1951.
Toilet powders. A. Bourjois & Co. Inc. 99,940, Sept. 29, 1914. New certificate. O. G. Dec. 18.
Toilet preparation. G. Chagin. 552,187, Dec. 18; Serial No. 588,358, published Sept. 11, 1951.
Tooth powder. The Andrew Jergens Company. 552,202, Dec. 18; Serial No. 592,637, published Sept. 11, 1951.

CLASS 52

Cleaning-powder. The Hygienic Products Company. 86,062, re-renewed Apr. 9, 1952. O. G. Dec. 18.
Cleanser. A. M. Brindel. 552,384, Dec. 18; Serial No. 600,100.
Laundry liquid rinse, and laundry compound. Bonewitz Chemicals, Inc. 552,232, Dec. 18; Serial No. 597,192, published Sept. 4, 1951.
Soaps, Antiseptic liquid. The Davies-Young Soap Company. 552,190, Dec. 18; Serial No. 589,010, published Sept. 4, 1951.

CLASS 100

Catering of food and beverages. Gripsholm Restaurant Inc. 552,360, Dec. 18; Serial No. 600,957, published Oct. 2, 1951.
Consulting, engineering, and design services. Mechanite Metal Corporation. 552,355, Dec. 18; Serial No. 533,341, published Sept. 25, 1951.
Consulting services on art to department stores in the styling of hair, etc. L. Napolitan. 552,356, Dec. 18; Serial No. 558,910, published Oct. 2, 1951.

CLASS 103

Repairing of metal spraying equipment and metal spraying equipment accessories. Metallizing Engineering Co. Inc. 552,362, Dec. 18; Serial No. 608,878, published Sept. 25, 1951.
Service, maintenance and repair of internal combustion engines, etc. Caterpillar Tractor Co. 552,361, Dec. 18; Serial No. 601,253, published Sept. 25, 1951.
Servicing motor vehicles. W. O. Strausbaugh Motor Company. 552,354, Dec. 18; Serial No. 529,107, published Oct. 2, 1951.
Watch repairing and adjusting. C. D. Verde. 552,398, Dec. 18; Serial No. 586,572.

CLASS 104

Facsimile transmission service. W. G. H. Finch. 552,397, Dec. 18; Serial No. 492,768.

CLASS 106

Chemically impregnating forest products. American Lumber & Treating Co. 552,358–9, Dec. 18; Serial Nos. 596,381–2, published Oct. 2, 1951.
Imparting a satin finish to fabrics. Newport Finishing Corporation. 552,357, Dec. 18; Serial No. 591,694, published Sept. 25, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aktiebolaget Elektrolux, assignee: *See*—
Kögel, Wilhelm G.

Attorney General of the United States, vested in the: *See*—
Loikema, Jan.

Bendix Aviation Corporation, assignee: *See*—
Teague, Walter D., Jr.

Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Interference reducing radio impulse receiver. Re. 23,440, Dec. 18.

Gibson, George M., Bellevue, Iowa, assignor to Reconstruction Finance Corporation, Chicago, Ill. Disappearing wringer washing machine. Re. 23,441, Dec. 18.

International Standard Electric Corporation, assignee: *See*—
Earp, Charles W.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. Re. 23,442, Dec. 18.

Loikema, Jan, Hoogezand, Netherlands; vested in the Attorney General of the United States. Producing ethers and esters of carbohydrates. Re. 23,443, Dec. 18.

Nettel, Frederick, Manhasset, N. Y. Supercharged internal-combustion engine with starting means and starting same. Re. 23,444, Dec. 18.

Reconstruction Finance Corporation, assignee: *See*—
Gibson, George M.

Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Aircraft cabin pressure regulating means. Re. 23,445, Dec. 18.

LIST OF PLANT PATENTEES

Ecke, Paul, Encinitas, Calif. Poinsettia plant. 1,055, Dec. 18.

Inter-State Nurseries, assignee: *See*—
Moore, David A.

Moore, David A., Grand Junction, Colo., assignor to Inter-State Nurseries, Hamburg, Iowa. Apricot tree. 1,053, Dec. 18.

Shamburger, Paul, Tyler, Tex. Rose plant. 1,054, Dec. 18.

LIST OF DESIGN PATENTEES

American Fabrics Company, The, assignee: *See*—
Wackerman, Charles S.

American Seating Company, assignee: *See*—
Hoven, Alfred C., and Nordmark.

Andresen, Odvar, Brooklyn, N. Y. Ash tray or the like. 165,409, Dec. 18.

Austam Manufacturing Corp., assignee: *See*—
Dubsky, Arthur.

Babel, Rudolph M., Pawtucket, R. I., assignor to General Electric Company. Clock case. 165,410, Dec. 18.

Bailey Meter Company, assignee: *See*—
Dickey, Paul S., and Gorrie.

Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 165,411, Dec. 18.

Bates, C. J., & Son, assignee: *See*—
Joslyn, Stuart S.

Bernstein, Alex D. and H. W., New York, N. Y. Holder for racing programs or the like. 165,412, Dec. 18.

Bernstein, Henry W.: *See*—
Bernstein, Alex D. and H. W.

Casco Products Corporation, assignee: *See*—
Thibault, Joseph O.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Craighead, John R., Denver, Colo. Belt buckle or similar article. 165,413, Dec. 18.

Crosby, Stephen A., and R. B. Vail, assignors to Vail Manufacturing Company, Chicago, Ill. Stapling machine. 165,414, Dec. 18.

Davis, Robert K., Evergreen Park, assignor to Portable Electric Tools, Inc., Chicago, Ill. Portable electric drill unit. 165,415, Dec. 18.

Dickey, Paul S., East Cleveland, and H. H. Gorrie, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Indicating instrument. 165,416, Dec. 18.

Dubsky, Arthur, New York, N. Y., assignor to Austam Manufacturing Corp. Cigarette lighter. 165,417, Dec. 18.

Ekstrom, A. I., Rockford, Ill. Sewing cabinet. 165,418, Dec. 18.

Ensign, Robert H.: *See*—
Teague, Walter D., and Ensign.

Falls, John J., assignor to The Standard Electrical Tool Company, Cincinnati, Ohio. Twin-wheel tool grinder. 165,419, Dec. 18.

General Electric Company, assignee: *See*—
Babel, Rudolph M.
Teague, Walter D., and Ensign.

General Outdoor Advertising Company, Inc., assignee: *See*—
Hammond, Clark H.

Gibson Refrigerator Company, assignee: *See*—
Sanders, Charles W.

Gladen, Carl F., Bay City, Mich. Toy machine gun. 165,420, Dec. 18.

Gorrie, Harvard H.: *See*—
Dickey, Paul S., and Gorrie.

Hammond, Clark H., assignor to General Outdoor Advertising Company, Inc., Chicago, Ill. Poster panel. 165,421, Dec. 18.

Hammond, Clark H., assignor to General Outdoor Advertising Company, Inc., Chicago, Ill. Poster panel. 165,422, Dec. 18.

Harris, Tony M., Decatur, Ill. Compartmented plate. 165,423, Dec. 18.

Hooven, Florence S., executrix: *See*—
Hooven, Howard D.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,424, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,425, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,426, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,427, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,428, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,429, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,430, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,431, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,432, Dec. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aab, William, New Ulm, Minn. Cord-supporting device. 2,579,062, Dec. 18.

Abraham, Leonard G., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission line distortion corrector. 2,579,285, Dec. 18.

Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Discriminator circuit. 2,579,286, Dec. 18.

Adelman, Robert L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl ethers. 2,579,411, Dec. 18.

Adelman, Robert L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Reaction of vinyl ethers with hydroxy compounds. 2,579,412, Dec. 18.

Adlake Company, The, assignee: *See*—
Hagerty, Andrew T., and Brenneman.

Admiral Corporation, assignee: *See*—
Faulkner, Willard J.
Ketchum, Arthur L.
Vistain, James E., Jr.
Washburn, Neil E.

Affholter, Herbert G.: *See*—
Molinari, Vittorio, and Affholter.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Filachione, Edward M., Fein, and Fisher.
Pridham, Thomas G.
Rusca, Ralph A., and Kyame.

Ahrens, Charles J., Norwood Park, Ill. Chicken roost. 2,579,355, Dec. 18.

Air Reduction Company, Incorporated, assignee: *See*—
Biach, John L.

Albert, Daniel A., Richmond Hill, N. Y. Film holder. 2,579,287, Dec. 18.

Alco Valve Company, assignee: *See*—
Dube, John E., and Bower.
Rose, Howard E.

Alexander, John A., Pacific Palisades, Calif. Electrical switch. 2,579,135, Dec. 18.

Alger, Milton W., Brockton, Mass. Hydraulic stop device for web feeding machines. 2,578,960, Dec. 18.

Allen, Robert T.: *See*—
Robertson, Nat C., and Allen.

Allen-Sherman-Hoff Company, The, assignee: *See*—
Silk, Philip B.

Allison, Leslie R., Forest Hills, and H. V. Rudolph, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Vehicle carried inductive receiver. 2,579,288, Dec. 18.

Altec Lansing Corporation, assignee: *See*—
Veneklasen, Paul S.

American Can Company, assignee: *See*—
Nordquist, Ronald E. J.
Nordquist, Ronald E. J., and Cox.
Nordquist, Ronald E. J., and Socke.

American Cyanamid Company, assignee: *See*—
Cassady, Jack T.
Hultquist, Martin E., and Scholz.
Thomas, Walter M., and Kropa.

American Enka Corporation, assignee: *See*—
Keith, James F., and Smith.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Campbell, Charles H., Griffiths, and Cramer.

American Tobacco Company, The, assignee: *See*—
Dalton, John T.

American Viscose Corporation, assignee: *See*—
Kennedy, Edgar S.
Stanley, Richard W.

Ames, Howard R., Lomita, Calif. Container capping machine. 2,578,772, Dec. 18.

Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Constant velocity joint. 2,579,356, Dec. 18.

Anderson, Henry W., Martinez, O. A. Samson, Concord, and A. W. Clark, Albany, assignors to Shell Development Company, San Francisco, Calif. Producing sulfonic acids and sulfonates. 2,578,657, Dec. 18.

Anderson, Leslie J., Moorestown, N. J., assignor to Radio Corporation of America. Sound wave transducer. 2,579,136, Dec. 18.

Andrews, Alvadore M., Portland, Oreg. Heated pressure seaming device for plastics. 2,579,063, Dec. 18.

Angénieux, Pierre, Saint-Heand, France. Mirror operating device for reflex cameras. 2,579,247, Dec. 18.

Angle, Glenn D., Thomaston, assignor to The New Britain Machine Company, New Britain, Conn. Valve actuating mechanism for multiple-row radial engines. 2,578,875, Dec. 18.

Anthracite Equipment Corporation, assignee: *See*—
Krauss, Ralph A.

Archer-Daniels Midland Company, assignee: *See*—
Small, Elmer C.

Aribert, Charles, assignor to Societe Française Sadir-Carpentier, Paris, France. Radio-guiding system. 2,578,961, Dec. 18.

Armstrong Cork Company, assignee: *See*—
Kocher, Daniel W.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Michel, Joseph M., and Hager.
Stiber, Samuel.

Arne, Christian, Chicago, Ill., assignor to Chicago Bridge & Iron Company. Stabilizing means for lifter roof tanks. 2,578,658, Dec. 18.

Arrow Products, assignee: *See*—
Woldring, Egbert.

Arthur, Robert A., Los Angeles, Calif., assignor to The Garrett Corporation. Control for cabin pressure regulators. 2,578,773, Dec. 18.

Arvedlund, Knud E., Lyngby, assignor to K. A. Hartmann, Copenhagen, Denmark. Spray painting apparatus. 2,579,357, Dec. 18.

Ashworth, Eva T., administratrix: *See*—
Ashworth, Joseph A., and Bostwick.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Locking thread supply case for sewing machines. 2,578,659, Dec. 18.

Ashworth, Joseph A., deceased, by E. T. Ashworth, administratrix, Bernardsville, and L. G. Bostwick, Florham Park, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature compensated resonant vibrating system. 2,579,289, Dec. 18.

Atkinson, Herbert J., Sudbury, Mass. Liquid detergent feeding device. 2,579,167, Dec. 18.

Atlas Imperial Diesel Engine Co., assignee: *See*—
Waters, Lawrence W.

Attorney General of the United States, vested in the assignee: *See*—
Smits, Wytze B.

Atwood, Smith B., Jr.: *See*—
Boddy, Leonard, and Atwood.

Auerbach, Isaac L.: *See*—
Eckert, John P., Jr., Sims, and Auerbach.

Auspos, Lawrence A., Tonawanda, N. Y., and J. B. Dempster, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing ethylene glycol terephthalate. 2,578,660, Dec. 18.

Austin, Robert C.: *See*—
Krotz, Alvin S., and Austin.

Austlid, Arnljot, Oslo, Norway. Sewing machine. 2,579,248, Dec. 18.

Autograf Brush & Plastics Co., Incorporated, assignee: *See*—
Mayer, Joseph W., and St. Clair.

Babayan, Vigen K., West Englewood, N. J., assignor, by mesne assignments, to The Fulwal Chemical Corporation, New York, N. Y. Cyclic reuse of cyclohexylamine in rosin acids separation. 2,578,661, Dec. 18.

Bachmann, Oscar, Zurich, Switzerland. Engraving machine. 2,579,290, Dec. 18.

Backhouse, Headley T., assignee: *See*—
Tebbs, George W.

Bade, Alfred G., assignor to The Falk Corporation, Milwaukee, Wis. Variable-speed transmission. 2,578,914, Dec. 18.

Bader, Stephen, Rockville Centre, N. Y. Belt grinding and polishing machine. 2,578,662, Dec. 18.

Baker Oil Tools, Inc., assignee: *See*—
Ragan, Thomas M.

Baker, Sherwood W.: *See*—
Mandolf, Henry I., and Baker.

Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Regulated power supply. 2,579,223, Dec. 18.

Baldine, Joseph J., Hubbard, Ohio. Game teaching apparatus. 2,579,105, Dec. 18.

Baldwin, Robert J., St. Louis County, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Hydraulic power unit for actuating aircraft control devices. 2,579,028, Dec. 18.

Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,433, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,434, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,435, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,436, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,437, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,438, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,439, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,440, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,441, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,442, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,443, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,444, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,445, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,446, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,447, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,448, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,449, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,450, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,451, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,452, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,453, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,454, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,455, Dec. 18.
Hooven, Howard D., deceased; by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,456, Dec. 18.
Hoven, Alfred C., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Theater loge chair. 165,457, Dec. 18
Jacobs, William H., Akron, Ohio. Golf club head. 165,458, Dec. 18.
Joslyn, Stuart S., assignor to C. J. Bates & Son, Chester, Conn. Manicure kit. 165,459, Dec. 18.
Kairan Corporation, assignee: *See*—
Smith, Robert E.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,460, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,461, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,462, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,463, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,464, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,465, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,466, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,467, Dec. 18.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,468, Dec. 18.
Katz, Leah, New Orleans, La. Winged doll. 165,469, Dec. 18.
Kramer, Ernest A., Tuckahoe, N. Y. Table lamp. 165,470, Dec. 18.
Krantos, Carl G., New York, N. Y. Fountain. 165,471, Dec. 18.
Lamm, Jacob C., Baltimore, Md. Chair for viewing television. 165,472, Dec. 18.
Leser, Tina, New York, N. Y. Playsuit. 165,473, Dec. 18.
Levy, Abraham, assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clockcase or similar article. 165,474, Dec. 18.
Manley, Inc., assignee: *See*—
Waas, Samuel M.
Miller, Norman R.: *See*—
Miller, Warren P. and N. R., and Williams.
Miller, Warren P. and N. R., and R. E. Williams, Anderson, Ind. Picnic grill. 165,475, Dec. 18.
Mitchell, William L., Omaha, Nebr. Collar clasp. 165,476, Dec. 18.
Montanye, Carlyle N., Baltimore, Md. Calendar stand or similar article. 165,477, Dec. 18.
Montanye, Carlyle N., Baltimore, Md. Calendar stand or similar article. 165,478, Dec. 18.
Montanye, Carlyle N., Baltimore, Md. Calendar stand or similar article. 165,479, Dec. 18.
Nelson, Erdick H., Walworth, Wis. Projector case or the like. 165,480, Dec. 18.
Nordmark, Walter E.: *See*—
Hoven, Alfred C., and Nordmark.
Oakley, Charles P., Benson, Ariz. Ash tray. 165,481, Dec. 18.
Porozynski, Eugene, Cleveland Heights, Ohio. Hobbyhorse head. 165,482, Dec. 18.
Portable Electric Tools, Inc., assignee: *See*—
Davis, Robert K.
Quaker Lace Company, assignee: *See*—
Hooven, Howard D.
Rosenberg, Theodore, New Rochelle, and H. T. Silverman, Forest Hills, N. Y. Handbag. 165,483, Dec. 18.
Sanders, Charles W., assignor to Gibson Refrigerator Company, Greenville, Mich. Handle for a refrigerator door latch. 165,484, Dec. 18.
Savoca, Carmelo, Astoria, N. Y. Memorial statuette. 165,485, Dec. 18.
Schletter, Richard E., Cheltenham Township, Montgomery County, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 165,486, Dec. 18.
Schletter, Richard E., Cheltenham Township, Montgomery County, assignor to Signature Hosiery Company, North Wales, Pa. Stocking. 165,487, Dec. 18.
Sebel, Harry, London, England. Toy automobile. 165,488, Dec. 18.
Shepard, Stanley J., Laguna Beach, Calif. Combined jar and cover or similar article. 165,489, Dec. 18.
Signature Hosiery Company, assignee: *See*—
Schletter, Richard E.
Silverman, Harry T.: *See*—
Rosenberg, Theodore, and Silverman.
Smith, Robert E., New Rochelle, assignor to Kairan Corporation, New York, N. Y. Doll display package. 165,490, Dec. 18.
Spangler, Robert M., Chicago, Ill. Hobbyhorse. 165,491, Dec. 18.
Stakofsky, Joseph, Brooklyn, N. Y. Handbag. 165,492, Dec. 18.
Standard Electrical Tool Company, The, assignee: *See*—
Falls, John J.
Storz, Charles R., Jr., Jefferson County, assignor to Storz Instrument Company, St. Louis, Mo. Coagulator. 165,493, Dec. 18.
Storz Instrument Company, assignee: *See*—
Storz, Charles R., Jr.
Teague, Walter D., Annandale, N. J., and R. H. Ensign, Bronxville, N. Y., assignors to General Electric Company. Cabinet for an air-conditioning unit or similar article. 165,494, Dec. 18.
Thibault, Joseph O., assignor to Casco Products Corporation, Bridgeport, Conn. Fender guide. 165,495, Dec. 18.
Trott, Eric M., Parkview, Johannesburg, Transvaal Providence, Union of South Africa. Ear ornament. 165,496, Dec. 18.
Union Steam Pump Company, assignee: *See*—
Yohpe, Reinhard A.
United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Levy, Abraham.
Vail Manufacturing Company, assignee: *See*—
Crosby, Stephen A., and Vail.
Vail, Richard B.: *See*—
Crosby, Stephen A., and Vail.
Waas, Samuel M., assignor to Manley, Inc., Kansas City, Mo. Kettle unit for popcorn machines. 165,497, Dec. 18.
Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven fabric. 165,498, Dec. 18.
Weisbrot, Max A., Chicago, Ill. Serving bottle. 165,499, Dec. 18.
Williams, Ralph E.: *See*—
Miller, Warren P. and N. R., and Williams.
Yohpe, Reinhard A., assignor to Union Steam Pump Company, Battle Creek, Mich. Homogenizer. 165,500, Dec. 18.
Zeeven, Evert, New York, N. Y. Deck of playing cards. 165,501, Dec. 18.

Ballou & Boss, Inc., assignee: *See*—
Ballou, Lester W.
Ballou, Lester W., Attleboro, Mass., assignor to Ballou & Boss, Inc. Reeling device. 2,579,291, Dec. 18.
Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Key lock for push-button switches. 2,579,168, Dec. 18.
Banner, Otto A., Highland Park, N. J. Hydraulic torque converter having radial and axial stages. 2,578,876, Dec. 18.
Barker, Donald E.: *See*—
Barker, Earl S. and D. E.
Barker, Earl S., Chippewa Falls, Wis., and D. E. Barker, Burbank, Calif. Skin graft instrument. 2,579,029, Dec. 18.
Barnes, Carl E., Pipersville, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing cyclooctatetraene. 2,579,106, Dec. 18.
Barry, Leon G., Whippany, assignor to United States Instrument Corporation, Summit, N. J. Indexing mechanism. 2,579,169, Dec. 18.
Bartels, John, Dobbs Ferry, N. Y. Preparation of fruit flavors and the resulting product. 2,578,915, Dec. 18.
Bausch & Lomb Optical Company, assignee: *See*—
Kosbab, Harold W.
Kurtz, John C., and Gallasch.
Beaupre, Arthur, Franklin Park, Ill. Fishing rod. 2,578,663, Dec. 18.
Beery, Donald W., New Brunswick, J. J. Eberl, Bound Brook, and A. R. Ingram, New Brunswick, N. J., assignors to Johnson & Johnson. Sanitary napkin. 2,578,664, Dec. 18.
Beeson, Eric J. G.: *See*—
Davies, Leonard J., and Beeson.
Bell, Edwin F., assignor to Topeka Tent & Awning Co., Topeka, Kans. Folding awning frame. 2,578,964, Dec. 18.
Bell, Henry B., Tulsa, Okla. Meter box cover. 2,579,170, Dec. 18.
Bell, Joseph W., Augusta, Ga. Cotton topper. 2,578,963, Dec. 18.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Abraham, Leonard G.
Ashworth, Joseph A., and Boatwick.
Carbrey, Robert L.
Depew, Charles, and Depp.
Hecht, George.
Kock, Winston E.
Lund, Nean.
Rack, Alois J.
Belleville, Albert, Grand-Lancy, near Geneva, Switzerland. Massage apparatus. 2,578,916, Dec. 18.
Belmont Radio Corporation, assignee: *See*—
Gannaway, Robertson R.
Hills, Elmer G.
Belsinger, Inc., assignee: *See*—
Belsinger, Samuel P.
Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy-duty fiber container. 2,578,774, Dec. 18.
Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy-duty fiber container. 2,578,775, Dec. 18.
Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy-duty fiber container. 2,578,776, Dec. 18.
Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy-duty fiber container. 2,578,777, Dec. 18.
Bemis Bro. Bag Company, assignee: *See*—
Locke, John P., McLean, and Bridge.
Bendix Aviation Corporation, assignee: *See*—
Dickey, John W.
Polye, William R.
Bennett, Walter E., Jr.: *See*—
Wauson, Horace C., and Bennett.
Benson, William L.: *See*—
Sweet, Roger S., and Benson.
Bergmans, Jan, and W. L. Vervest, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Vehicle lamp with an optical system for uniform road lighting. 2,578,962, Dec. 18.
Bergvall, Knut L., and E. E. Dahlberg, Stockholm, Sweden. Box beam construction for floors. 2,579,446, Dec. 18.
Berry, Elizabeth F., executrix: *See*—
Fisher, Gertrude F.
Bertolus, Marcel M., Paris, France. Industrial process for extracting rhenium. 2,579,107, Dec. 18.
Bessonneau, Maurice, Puteaux, France. Hold-down and linkage assembly for convertible tops. 2,578,990, Dec. 18.
Bessonneau, Maurice, Puteaux, France. Collapsible vehicle top. 2,578,991, Dec. 18.
Blach, John L., Cranford, N. J., assignor to Air Reduction Company, Incorporated. Control system for billet cutting machines. 2,578,778, Dec. 18.
Blen, Albert H., Wynnewood, Pa. Device for preforming corrugated material for lamp shades. 2,579,171, Dec. 18.
Blsch, William, Holmdel, N. J., assignor to The Griscom-Russell Company, New York, N. Y. Tubeflo section. 2,578,917, Dec. 18.
Bjorksten, Johan: *See*—
Fiedler, Stuart O., Bjorksten, and Yaeger.
Bjorksten, Johan, and S. O. Fiedler, Chicago, Ill., and L. L. Yaeger, Hammond, Ind., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Coated plastic products. 2,578,665, Dec. 18.
Black, Gordon S.: *See*—
Corson, Ben B., and Black.
Black, James A., Grand Rapids, Mich. Feeding mechanism for printing machines. 2,578,779, Dec. 18.
Blanke, Nathan E.: *See*—
Sands, Hillard J., and Blanke.
Blok, Henri, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Indicating device constituted by a scale and an index which can move along a guide path. 2,578,965, Dec. 18.
Bloom, Joseph C., assignee: *See*—
Nicholson, Albert N.
Bock, Charles E., Cleveland, and R. P. Burrows, Jr., South Euclid, Ohio, assignors to General Electric Company. Quartz working process and article. 2,579,108, Dec. 18.
Boddy, Leonard, and S. B. Atwood, Jr., assignors to King-Seeley Corporation, Ann Arbor, Mich. Paint applying apparatus. 2,578,918, Dec. 18.
Bodez, Pierre, assignor to Societe française Sadir-Carpentier, Paris, France. Radio-goniometric system. 2,578,966, Dec. 18.
Boice-Crane Company, assignee: *See*—
Boice, William B.
Boice, William B., assignor to Boice-Crane Company, Toledo, Ohio. Jointer fence adjustment. 2,579,224, Dec. 18.
Bollinger, Waldon P., Haddon Heights, N. J., F. A. Fuhrmeister, Havertown, Pa., and J. E. Hill, Jr., Moorestown, N. J., assignors to Radio Corporation of America. Pressurized radio system. 2,579,249, Dec. 18.
Bond, John: *See*—
Sachs, Carrol C., and Bond.
Boon, William R., H. C. Carrington, and C. H. Vasey, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Hexahydropyrimidine-4,6-diones. 2,578,847, Dec. 18.
Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Propeller pitch reversing control switch. 2,579,172, Dec. 18.
Borden, Joseph L., Jr., Philadelphia, Pa. Gun control apparatus. 2,578,666, Dec. 18.
Borg-Warner Corporation, assignee: *See*—
Anderson, Edmund B.
Borst, Lyle B., and R. J. Fox, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Adjustable support for spectrometer reflectors. 2,579,225, Dec. 18.
Bostwick, Lee G.: *See*—
Ashworth, Joseph A., and Bostwick.
Boucher, Jacques, Paris, France, assignor to Compagnie de Pont-a-Mousson, Nancy (M. & M.), France. Support for conduit members. 2,579,447, Dec. 18.
Bourn, Leslie E. A., Ashford, England. Electrical musical instrument. 2,579,358, Dec. 18.
Bower, Clark D., Pomona, Calif., assignor to Fairbanks, Morse & Co., Chicago, Ill. Rotary pump seal. 2,578,780, Dec. 18.
Bower, George D.: *See*—
Dube, John E., and Bower.
Bowers, Robert C., Cuyahoga Falls, assignor to The F. C. Russell Company, Cleveland, Ohio. Glass-cutting table. 2,578,919, Dec. 18.
Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Amides of ortho titanic acid. 2,579,413, Dec. 18.
Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of esters of ortho titanic acid. 2,579,414, Dec. 18.
Boyer, Ralph K., Lakewood, and H. W. Krohn, Jr., assignors to The Dill Manufacturing Company, Cleveland, Ohio. Device for testing air line pressure gauges. 2,579,359, Dec. 18.
Brauchler, Charles A., Canton, Ohio. Making equalizer beams. 2,579,030, Dec. 18.
Breau, Anthony: *See*—
Leopold, Robert, and Breau.
Breed, Carroll M., Ypsilanti, Mich. Valve construction. 2,578,920, Dec. 18.
Breese Burners, Inc., assignee: *See*—
Breese, James L.
Breese, James L., assignor to Breese Burners, Inc., Santa Fe, N. Mex. Pilot for vaporizing burners. 2,579,293, Dec. 18.
Brelsford, Harry W., Pasadena, Calif. Combined light and horn system. 2,579,292, Dec. 18.
Brennan, Joseph B., Bratenahl, Ohio, assignor to E. D. McCurdy, trustee. Electrode for electrolytic condensers. 2,578,667, Dec. 18.
Brennan, Robert M., Cleveland, Ohio. Electrolytic condenser for use on alternating-current devices. 2,579,250, Dec. 18.
Brenneman, Theron F.: *See*—
Hagerty, Andrew T., and Brenneman.
Bretscher, Hans, assignor to J. R. Geigy A. G., Basel, Switzerland. Esterlike anhydride of hydroxynaphthalene tetrasulfonic acid. 2,578,967, Dec. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aab, William, New Ulm, Minn. Cord-supporting device. 2,579,062, Dec. 18.

Abraham, Leonard G., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission line distortion corrector. 2,579,285, Dec. 18.

Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Discriminator circuit. 2,579,286, Dec. 18.

Adelman, Robert L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl ethers. 2,579,411, Dec. 18.

Adelman, Robert L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Reaction of vinyl ethers with hydroxy compounds. 2,579,412, Dec. 18.

Adlake Company, The, assignee: *See*—
Hagerty, Andrew T., and Brenneman.

Admiral Corporation, assignee: *See*—
Faulkner, Willard J.
Ketchum, Arthur L.
Vistain, James E., Jr.
Washburn, Nell E.

Affholter, Herbert G.: *See*—
Molinari, Vittorio, and Affholter.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Filachione, Edward M., Fein, and Fisher.
Pridham, Thomas G.
Rusca, Ralph A., and Kyame.

Ahrens, Charles J., Norwood Park, Ill. Chicken roost. 2,579,355, Dec. 18.

Air Reduction Company, Incorporated, assignee: *See*—
Biach, John L.

Albert, Daniel A., Richmond Hill, N. Y. Film holder. 2,579,287, Dec. 18.

Alco Valve Company, assignee: *See*—
Dube, John E., and Bower.
Rose, Howard E.

Alexander, John A., Pacific Palisades, Calif. Electrical switch. 2,579,135, Dec. 18.

Alger, Milton W., Brockton, Mass. Hydraulic stop device for web feeding machines. 2,578,960, Dec. 18.

Allen, Robert T.: *See*—
Robertson, Nat C., and Allen.

Allen-Sherman-Hoff Company, The, assignee: *See*—
Silk, Philip B.

Allison, Leslie R., Forest Hills, and H. V. Rudolph, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Vehicle carried inductive receiver. 2,579,288, Dec. 18.

Altec Lansing Corporation, assignee: *See*—
Veneklasen, Paul S.

American Can Company, assignee: *See*—
Nordquist, Ronald E. J.
Nordquist, Ronald E. J., and Cox.
Nordquist, Ronald E. J., and Socke.

American Cyanamid Company, assignee: *See*—
Cassady, Jack T.
Hultquist, Martin E., and Scholz.
Thomas, Walter M., and Kropa.

American Enka Corporation, assignee: *See*—
Keith, James F., and Smith.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Campbell, Charles H., Griffiths, and Cramer.

American Tobacco Company, The, assignee: *See*—
Dalton, John T.

American Viscose Corporation, assignee: *See*—
Kennedy, Edgar S.
Stanley, Richard W.

Ames, Howard R., Lomita, Calif. Container capping machine. 2,578,772, Dec. 18.

Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Constant velocity joint. 2,579,356, Dec. 18.

Anderson, Henry W., Martinez, O. A. Samson, Concord, and A. W. Clark, Albany, assignors to Shell Development Company, San Francisco, Calif. Producing sulfonic acids and sulfonates. 2,578,657, Dec. 18.

Anderson, Leslie J., Moorestown, N. J., assignor to Radio Corporation of America. Sound wave transducer. 2,579,136, Dec. 18.

Andrews, Alvadore M., Portland, Oreg. Heated pressure seaming device for plastics. 2,579,063, Dec. 18.

Angénieux, Pierre, Saint-Heand, France. Mirror operating device for reflex cameras. 2,579,247, Dec. 18.

Angle, Glenn D., Thomaston, assignor to The New Britain Machine Company, New Britain, Conn. Valve actuating mechanism for multiple-row radial engines. 2,578,875, Dec. 18.

Anthracite Equipment Corporation, assignee: *See*—
Krauss, Ralph A.

Archer-Daniels Midland Company, assignee: *See*—
Small, Elmer C.

Aribert, Charles, assignor to Societe Française Sadir-Carpentier, Paris, France. Radio-guiding system. 2,578,961, Dec. 18.

Armstrong Cork Company, assignee: *See*—
Kocher, Daniel W.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Michel, Joseph M., and Hager.
Stiber, Samuel.

Arne, Christian, Chicago, Ill., assignor to Chicago Bridge & Iron Company. Stabilizing means for lifter roof tanks. 2,578,658, Dec. 18.

Arrow Products, assignee: *See*—
Woldring, Egbert.

Arthur, Robert A., Los Angeles, Calif., assignor to The Garrett Corporation. Control for cabin pressure regulators. 2,578,773, Dec. 18.

Arvedlund, Knud E., Lyngby, assignor to K. A. Hartmann, Copenhagen, Denmark. Spray painting apparatus. 2,579,357, Dec. 18.

Ashworth, Eva T., administratrix: *See*—
Ashworth, Joseph A., and Bostwick.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Locking thread supply case for sewing machines. 2,578,659, Dec. 18.

Ashworth, Joseph A., deceased, by E. T. Ashworth, administratrix, Bernardsville, and L. G. Bostwick, Florham Park, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature compensated resonant vibrating system. 2,579,289, Dec. 18.

Atkinson, Herbert J., Sudbury, Mass. Liquid detergent feeding device. 2,579,167, Dec. 18.

Atlas Imperial Diesel Engine Co., assignee: *See*—
Waters, Lawrence W.

Attorney General of the United States, vested in the assignee: *See*—
Smits, Wytze B.

Atwood, Smith B., Jr.: *See*—
Boddy, Leonard, and Atwood.

Auerbach, Isaac L.: *See*—
Eckert, John P., Jr., Sims, and Auerbach.

Auspos, Lawrence A., Tonawanda, N. Y., and J. B. Dempster, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing ethylene glycol terephthalate. 2,578,660, Dec. 18.

Austin, Robert C.: *See*—
Krotz, Alvin S., and Austin.

Austlid, Arnljot, Oslo, Norway. Sewing machine. 2,579,248, Dec. 18.

Autograf Brush & Plastics Co., Incorporated, assignee: *See*—
Mayer, Joseph W., and St. Clair.

Babayan, Vigen K., West Englewood, N. J., assignor, by mesne assignments, to The Fulwal Chemical Corporation, New York, N. Y. Cyclic reuse of cyclohexylamine in rosin acids separation. 2,578,661, Dec. 18.

Bachmann, Oscar, Zurich, Switzerland. Engraving machine. 2,579,290, Dec. 18.

Backhouse, Headley T., assignee: *See*—
Tebbs, George W.

Bade, Alfred G., assignor to The Falk Corporation, Milwaukee, Wis. Variable-speed transmission. 2,578,914, Dec. 18.

Bader, Stephen, Rockville Centre, N. Y. Belt grinding and polishing machine. 2,578,662, Dec. 18.

Baker Oil Tools, Inc., assignee: *See*—
Ragan, Thomas M.

Baker, Sherwood W.: *See*—
Mandolf, Henry I., and Baker.

Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Regulated power supply. 2,579,223, Dec. 18.

Baldine, Joseph J., Hubbard, Ohio. Game teaching apparatus. 2,579,105, Dec. 18.

Baldwin, Robert J., St. Louis County, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Hydraulic power unit for actuating aircraft control devices. 2,579,028, Dec. 18.

Brewer, John H.: *See*—
Curtis, Raymond M., Brewer, and Stickels.

Bridge, Loren F.: *See*—
Locke, John P., McLean, and Bridge.

Briggs Manufacturing Company, assignee: *See*—
Lyijynen, Fred.

Bristol Laboratories, Inc., assignee: *See*—
Buckwalter, Frank H.
Granatek, Alphonse P.

Bristow, Guy: *See*—
Halford, Frank B., and Bristow.

British Aluminum Company Limited, The, assignee: *See*—
Coates, Arnold C., and Saunders.

Britton, Edgar C., Midland, Mich., and J. N. Hansen, Albert Lea, Minn., assignors to The Dow Chemical Company, Midland, Mich. Quaternary pyridinium halides. 2,578,668, Dec. 18.

Brown, Walter D., Jacksonville, Fla. Tool. 2,579,360, Dec. 18.

Brown, William T., West Suffield, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Making athletic balls. 2,579,294, Dec. 18.

Brownlow, Cecil L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Seismograph blaster time breaker circuit. 2,578,877, Dec. 18.

Brundige, Roy S., Los Angeles, Calif. Manufacture of plywood. 2,578,781, Dec. 18.

Bruner, Rudy, New York, N. Y. Venetian blind. 2,579,137, Dec. 18.

Buckner, Lewis H.: *See*—
Johnson, William J., and Buckner.

Buckwalter, Frank H., Dewitt, assignor to Bristol Laboratories, Inc., Syracuse, N. Y. 1,1,diphenyl-3(n-piperidyl propane salts of penicillin. 2,578,651, Dec. 18.

Bucyrus-Erie Company, assignee: *See*—
Mork, George W.

Buisman, Jan A. K., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing 7-dehydrosterols and esters. 2,579,295, Dec. 18.

BullDog Electric Products Company, assignee: *See*—
Fisher, Lawrence E.

Buls, Vernon W.: *See*—
Hearne, George W., Evans, and Buls.

Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated pinene insecticidal composition. 2,579,296, Dec. 18.

Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated camphane insecticidal composition. 2,579,297, Dec. 18.

Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated bornyl chloride insecticidal composition. 2,579,298, Dec. 18.

Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated isobornyl chloride insecticidal composition. 2,579,299, Dec. 18.

Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated pinane insecticidal composition. 2,579,300, Dec. 18.

Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated fenchene insecticidal composition. 2,579,301, Dec. 18.

Burness, Alexander, Welwyn Garden City, and E. G. Williams, Lemsford, England, assignors to Imperial Chemical Industries Limited. Production of polymeric materials in sheet form. 2,579,138, Dec. 18.

Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Hitchings, George H., and Falco.

Burrows, Robert P., Jr.: *See*—
Bock, Charles E., and Burrows.

Bussinger, Louis C.: *See*—
Lewis, Olin E., and Bussinger.

Butterfield, Harry E., Jr.: *See*—
Pityo, Albert F., and Butterfield.

Butterfield, James E., Jr.: *See*—
Butterfield, James E., Sr., J. E. Butterfield, Jr., and Johnsen.

Butterfield, James E., Sr., J. E. Butterfield, Jr., and H. A. Johnsen, Excelsior, Minn. Pitless pumper. 2,578,669, Dec. 18.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Tray type carton. 2,578,878, Dec. 18.

Buzz-Boy Motor Bike Co., assignee: *See*—
Isherwood, Henry G., and Moore.

Cadman, Harry H., and J. J. Ducey, Elkhart, Ind. Chair construction. 2,579,361, Dec. 18.

Cage, John M., Upper Montclair, N. J. Inhaler. 2,579,362, Dec. 18

Cake, William R.: *See*—
Oppenheimer, Philip W., and Cake.

California Research Corporation, assignee: *See*—
Egan, Clark J.
Holm, Melvin M., and Langlois.

Campbell, Charles H., Bedford, R. E. Griffiths, Cleveland Heights, and W. T. Cramer, Rocky River, Ohio, assignors to The American Steel and Wire Company of New Jersey. Electromagnetic recorder wire and making it. 2,578,782, Dec. 18.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Randall, Walter H.

Cantrell, Troy L.: *See*—
Smith, Herschel G., Cantrell, and Hill.

Carbery, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Decoder for pulse code modulation. 2,579,302, Dec. 18.

Carleton, Robert A., Mamaroneck, N. Y. Deodorizing and stabilizing soy bean oil. 2,578,670, Dec. 18.

Carlson, David L., Kansas City, Mo. Ventilated awning. 2,579,064, Dec. 18.

Carrera, Fernando, San Francisco, Calif. Foldable and extensible transporting device. 2,579,448, Dec. 18.

Carrington, Herbert C.: *See*—
Boon, William R., Carrington, and Vasey.

Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Packaging process. 2,579,415, Dec. 18.

Casco Products Corporation, assignee: *See*—
Youhouse, Joseph.

Case, J. I., Company, assignee: *See*—
Hansen, Charles W.

Casler, Adrien F.: *See*—
Spicer, Curtis D., and Casler.

Cassaday, Jack T., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Addition product of diester of dithiophosphoric acid and maleic acid and its esters, and preparation. 2,578,652, Dec. 18.

Cataldo, John, Revere, Mass. Oil temperature indicating device. 2,579,363, Dec. 18.

Celanese Corporation of America, assignee: *See*—
Robertson, Nat C., and Allen.
Teeple, John H., and Strickler.

Channell, Mariel L., Fresno, Calif. Drip tray. 2,579,065, Dec. 18.

Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Vehicle. 2,578,671, Dec. 18.

Cheronis, Nicholas D., assignor of one-third to E. L. Gustus, Chicago, Ill. Reaction of gaseous ammonia with hydrocarbon silicon halides. 2,579,416, Dec. 18.

Cheronis, Nicholas D., assignor of one-third to E. L. Gustus, Chicago, Ill. Ammonolysis of organo silicon halides. 2,579,417, Dec. 18.

Cheronis, Nicholas D., assignor of one-third to E. L. Gustus, Chicago, Ill. Polymeric resinous products containing repeating units of silicon linked to nitrogen and making same. 2,579,418, Dec. 18.

Chicago Bridge & Iron Company, assignee: *See*—
Arne, Christian.

Chipley, Marion R., Charlotte, N. C. Grounding device for telephone lines. 2,579,139, Dec. 18.

Christman, John M.: *See*—
Reaser, William A., Ziems, and Christman.

Cincinnati Milling Machine Company, The, assignee: *See*—
Martellotti, Mario E.

Cities Service Refining Corporation, assignee: *See*—
Mattix, Emory D., and Stokes.

Clark, Augustus W.: *See*—
Anderson, Henry W., Samson, and Clark.

Clearing Machine Corporation, assignee: *See*—
Johansen, Einar K.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Pyridyl substituted ketones. 2,579,419, Dec. 18.

Coates, Arnold C., Hillingdon, and L. Saunders, Loudwater, assignors to The British Aluminum Company Limited, London, England. Manufacture of aluminum alkoxides. 2,579,251, Dec. 18.

Codling, Eldred P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor control. 2,579,066, Dec. 18.

Cohen, Henry, Newcastle-upon-Tyne, and A. R. D. Robson, Peterborough, assignors to Power Jets (Research and Development) Limited, London, England. Regenerative heat exchanger. 2,579,173, Dec. 18.

Colby, Irving A.: *See*—
Mirfield, George E., and Colby.

Coles, Robert F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing 6-halo-8-hydroxycinchoninic acids. 2,579,420, Dec. 18.

Collins Radio Company, assignee: *See*—
Rockwell, Chester A.

Collins, Robert F., Seymour, Iowa. Elevator mechanism. 2,579,364, Dec. 18.

Columbus Metal Products, Inc., assignee: *See*—
Donley, Harold B.

Combined Locks Paper Co., assignee: *See*—
Cram, Hervey G.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Cruise, John H.
Patterson, Ward S.
Walter, Paul R., and Thompson.

Comotto, Daniel C., Washington, D. C. Fruit juice extractor. 2,579,032, Dec. 18.

Compagnie de Pont-a-Mousson, assignee: *See*—
Boucher, Jacques.

Compagnie Industrielle des Telephones, assignee: *See*—
Pappazoglu, Constantin.

Condé, Joseph, New York, N. Y. Brassière. 2,579,365, Dec. 18.

Condo, Fred E.: *See*—
Naps, Marguerite, and Condo.

Conlon-Moore Corporation, assignee: *See*—
Freis, Frederick M.

Conlon-Moore Corporation, The, assignee: *See*—
Stuckey, Warren A., Gregurich, and Tomasich.

Connecticut Variable Gear Corporation, The, assignee: *See*—
Morgan, Porter S.

Connector Locks (Canada) Limited, assignee: *See*—
McKenzie, Samuel B.

Conrad, George D.: *See*—
Thornburg, Herbal A., and Conrad.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Headley, Chester L.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bordelon, Lawrence J.
Eldred, Wendell E.

Continental Can Company, Inc., assignee: *See*—
Kronquest, Alfred L.
Pearson, Paul E.
Pearson, Paul E., and Treff.

Cook, Wilfred J., and J. H. Tuck, Port Colborne, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Starting sheet for electrolytic separation of nickel. 2,578,968, Dec. 18.

Cook, William F., San Diego, Calif. Piston ring. 2,579,031, Dec. 18.

Cornet, Pierre: *See*—
Potier, Gaston, and Cornet.

Corson, Ben B., and G. S. Black, assignors to Koppers Company, Inc., Pittsburgh, Pa. Picolinic acid recovery. 2,578,672, Dec. 18.

Coventry Gauge & Tool Company Limited, assignee: *See*—
Jellis, Morgan, and Langley.

Cox, Herbert F., Jr.: *See*—
Nordquist, Ronald E. J., and Cox.

Cox, Irvin W., West Allis, assignor to Cutler-Hammer Inc., Milwaukee, Wis. Control circuit for multiple high resistance ignition electrode. 2,579,366, Dec. 18.

Cox, Martin: *See*—
Stevens, Raymond K. P., and Cox.

Craig, William T.: *See*—
Mast, Lowell R., and Craig.

Cram, Hervey G., Appleton, assignor to Combined Locks Paper Co., Combined Locks, Wis. Stock regulator. 2,579,226, Dec. 18.

Cramer, George, Peekskill, assignor to Sinclair and Valentine Co., New York, N. Y. Inking apparatus for use with inks having highly volatile solvents. 2,578,921, Dec. 18.

Cramer, Roy A., Kansas City, Mo. Pivoted prop support members for dropleaf tables or the like. 2,578,922, Dec. 18.

Cramer, Willis T.: *See*—
Campbell, Charles H., Griffiths, and Cramer.

Crary, Jay D., Portland, Oreg. Paper fastener. 2,578,923, Dec. 18.

Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Series capacitor protective scheme for tie lines. 2,579,303, Dec. 18.

Crawford, James B., assignor to Paddock Pool Maintenance Co., Los Angeles, Calif. Self-adjusting recirculating overflow. 2,579,304, Dec. 18.

Crawford, Walter F., Maplewood, N. J. Wave projector. 2,579,140, Dec. 18.

Crosman, Loring P., Darien, Conn., assignor to Remington Rand Inc., New York, N. Y. Electronic accumulator. 2,579,174, Dec. 18.

Cruise, John H., Linden, N. J., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Combustion gas heater apparatus for multitemperature air supply for furnaces. 2,578,783, Dec. 18.

Cunningham, Irwin L., Odessa, Tex. Optical angle measuring system. 2,579,067, Dec. 18.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polyamine salt compositions. 2,579,033, Dec. 18.

Curtis, Myron S., and H. Schoepe, assignors to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,579,368, Dec. 18.

Curtis, Raymond M., J. H. Brewer, and A. E. Stickels, assignors to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Bandage. 2,579,367, Dec. 18.

Curtis, Roger C., New Haven, and L. D. Norton, Fairfield, assignors to Dictaphone Corporation, Bridgeport, Conn. Inductive pickup device. 2,578,924, Dec. 18.

Cushman, Clifford E., Burbank, Calif., assignor to Sturgess, Inc. Position-adjusting mechanism. 2,579,305, Dec. 18.

Cushman, Walton W., Webb City, Mo. Apparatus for pumping and sterilizing liquids. 2,578,673, Dec. 18.

Cutler-Hammer Inc., assignee: *See*—
Cox, Irwin W.
West, Richard A.

Dahlberg, Ernst E.: *See*—
Bergvall, Knut L., and Dahlberg.

Daisy Products, Inc., The, assignee: *See*—
Plass, Rovert H.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph. 2,579,175, Dec. 18.

Dalton, John T., Durham, N. C., assignor to The American Tobacco Company, New York, N. Y. Press. 2,579,176, Dec. 18.

Danekas, Stanley R.: *See*—
Jackson, Vesper L., Pfrehm, and Danekas.

Daniels, Elwyn J., administrator: *See*—
Daniels, Sam.

Daniels, Farrington, Madison, Wis., W. G. Hendrickson, San Jose, Calif., and E. G. Foster, Wilmington, Del., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Nitric oxide recovery system. 2,578,674, Dec. 18.

Daniels, Sam, deceased, Hardwick, Vt.; E. J. Daniels, administrator. Manure-spreader clutch. 2,578,675, Dec. 18.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Worm gearing. 2,578,784, Dec. 18.

Davies, Leonard J., Rugby, and E. J. G. Beeson, Southwell, England, assignors to General Electric Company. Electrode structure for electric discharge device. 2,579,109, Dec. 18.

Davis, George W., Gibson City, Ill. Fish lure. 2,578,786, Dec. 18.

Davis, Hunt, Pittsburgh, assignor to Elliott Company, Jeannette, Pa. Air-cooled turbocharger. 2,578,785, Dec. 18.

Davis, Hyman R., Jackson Heights, N. Y. Fractionating tower. 2,578,925, Dec. 18.

Davis, Lewis R., Oakland, and E. Lester, Arcata, Calif. Newspaper vending machine. 2,579,068, Dec. 18.

Dawe, Charles N., Detroit, Mich., assignor to Vanadium Corporation of America, New York, N. Y. Addition alloy for treatment of steel. 2,579,369, Dec. 18.

Dean, Maxwell O., Morgantown, W. Va., assignor to Joy Manufacturing Company. Apparatus for hydraulic motor control. 2,578,676, Dec. 18.

Dearborn Motors Corporation, assignee: *See*—
Richey, Clarence B.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Reduction of enamines. 2,578,787, Dec. 18.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of β-tertiary aminoacrylic esters from alkoxyacrylic esters. 2,578,788, Dec. 18.

Decca Record Company, Limited, assignee: *See*—
O'Brien, William J.

Deere & Company, assignee: *See*—
Oehler, William P.

Deere Manufacturing Co., assignee: *See*—
Nordenson, Willard H., and McCaw.
Worthington, Wayne H.

De Hart, Edward S.: *See*—
Errig, William F., and De Hart.

De Havilland Aircraft Company Limited, The, assignee: *See*—
Halford, Frank B., and Bristow.

Del Conte, Mario: *See*—
Slomowitz, Julius, and Del Conte.

Dempster, Jane B.: *See*—
Auspos, Lawrence A. A., and Dempster.

Depew, Charles, Oakland, N. J., and W. A. Depp, Elmhurst, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multielectrode gaseous discharge devices. 2,579,306, Dec. 18.

Depp, Wallace A.: *See*—
Depew, Charles, and Depp.

De Puy Manufacturing Company, Inc., assignee: *See*—
Longfellow, Earl E.

Derby Sealers, Incorporated, assignee: *See*—
Krueger, Alfred P., and Erhardt.

Dessauer, John H., Pittsford, and M. A. Insalaco, assignors to The Haloid Company, Rochester, N. Y. Making photographic sensitizing dyes. 2,578,677, Dec. 18.

Development Corporation, Inc., assignee: *See*—
Thomas, Frank S., Jr.

De Young, Verne J., Spring Lake, assignor to Sturgis Posture Chair Company, Sturgis, Mich. Adjustable bisectional back rest. 2,578,879, Dec. 18.

Di Biase, Antonio, Duncannon, Pa. Apparatus for lifting and displacing railroad rails and frogs. 2,578,969, Dec. 18.

Dickey, John W., Newfield, N. Y., assignor to Bendix Aviation Corporation. Electrosteam actuator. 2,578,992, Dec. 18.

Dictaphone Corporation, assignee: *See*—
Curtis, Roger C., and Norton.

Dierking, Charles G. W., Aurora, Ind. Electric dog training device. 2,579,178, Dec. 18.

Dill Manufacturing Company, The, assignee: *See*—
Boyer, Ralph K., and Krohn, Jr.

Dillemuth, George J., Tiller, Oreg. Needle, thread, and thimble kit. 2,579,307, Dec. 18.

Dime-A-Wake, Inc., assignee: *See*—
Nor Velle, Robert L.

Dixon, Joseph, Crucible Company, assignee: *See*—
Shonnard, Orlando D.

Dobes, Michael J.: *See*—
Park, Allan J., and Dobes.

Dole, Marshall H., Hudson, Ind., assignor to General Electric Company. Transformer. 2,579,308, Dec. 18.

Donley, Harold B., assignor to Columbus Metal Products, Inc., Columbus, Ohio. Pilot burner. 2,579,370, Dec. 18.

Donley, Harold B., assignor to Columbus Metal Products, Inc., Columbus, Ohio. Pilot burner. 2,579,371, Dec. 18.

Donley, Harold B., assignor to Columbus Metal Products, Inc., Columbus, Ohio. Pilot burner. 2,579,372, Dec. 18.

Donnelly, John F., Holland, Mich. Glass beveling apparatus. 2,578,789, Dec. 18.

Douglas, Wallace R., Crete, Nebr. Automatic shutoff for filling spouts. 2,578,926, Dec. 18.

Douglas, William T., Jr.: *See*—
Stribling, Stiles C., Jr., Douglas, and Talmage.

Dow Chemical Company, The, assignee: *See*—
Britton, Edgar C., and Hansen.
Hammer, Oscar H.
Kenaga, Eugene E.

Downs, Bernard I., Forestville, assignor to The Vulcan Radiator Company, Hartford, Conn. Wall bracket for radiators. 2,578,993, Dec. 18.

Doyle, Joel G., assignor to RPM Manufacturing Company, Kansas City, Mo. Rotating cutting disk-type mower. 2,578,880, Dec. 18.

Drelon, Rémi, assignor to Societe Anonyme dite: "Societe Lamex," Clermont-Ferrand, France. Ore concentrator. 2,579,110, Dec. 18.

Dube, John E., Chesterfield, and G. D. Bower, assignors to Alco Valve Company, University City, Mo. Multiple response override for thermal valves. 2,579,034, Dec. 18.

Ducey, John J.: *See*—
Cadman, Harry H., and Ducey.

Dudley, Oscar E., United States Navy. Underwater sound system. 2,578,678, Dec. 18.

Duke, James B., Medulla, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Froth flotation of ferruginous impurities from finely divided granite rock. 2,578,790, Dec. 18.

Dunaway, Thomas J., Yucaipa, Calif. Metering device. 2,578,994, Dec. 18.

Dunham, George W., Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y. Washing machine of the spin dry type. 2,579,309, Dec. 18.

Dunham, George W., Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y. Washing machine. 2,579,310, Dec. 18.

Dunn, James P., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Bubble cap assembly. 2,578,881, Dec. 18.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Adelman, Robert L.
Auspos, Lawrence A. A., and Dempster.
Cupery, Martin E.
Funderburk, George O.
Handy, Carleton T., and Sauer.
Hansley, Virgil L., and Hilts.
Pace, Anderson, Jr.
Polson, Allen E.
Schupp, Orion E., Jr.
Stamatoff, Gelu S.
Vines, Sterling N.
Whitman, Gerald M.
Woodward, David W.

Eash, George H., Toledo, assignor to The Selby Shoe Company, Portsmouth, Ohio. Photoelectric area calculator. 2,578,882, Dec. 18.

Eastin, George H., Kansas City, Mo. Wheeled chair for golf clubs. 2,578,791, Dec. 18.

Eastman Kodak Company, assignee: *See*—
Hickman, Kenneth C. D.
Straley, James M., and Wayman.

Eberl, James J.: *See*—
Beery, Donald W., Eberl, and Ingram.

Eberle, Leo F., assignee: *See*—
Georgeson, Albin M.

Eckert, John P., Jr., J. C. Sims, Jr., and I. L. Auerbach, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Structure for electrical apparatus. 2,579,141, Dec. 18.

Eckert-Mauchly Computer Corporation, assignee: *See*—
Eckert, John P., Jr., Sims, and Auerbach.

Economy Faucet Company, assignee: *See*—
Gordinier, Ralph E.

Edee, George G., Des Plaines, Ill. Rail chair. 2,579,373, Dec. 18.

Edelman, Norman B., Philadelphia, Pa. Insulation composition of resin-impregnated glass wool briquettes and feathers. 2,579,035, Dec. 18.

Edelman, Norman B., Philadelphia, Pa. Insulation, filling, and packing. 2,579,036, Dec. 18.

Edens, Robert L., Tulsa, Okla. Clutch plate shim. 2,579,179, Dec. 18.

Edwards, Donald V., Montclair, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Induction alternator excitor control. 2,578,679, Dec. 18.

Edwards, Donald V., Montclair, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Power conversion device of the vacuum tube type. 2,579,374, Dec. 18.

Edwards, Hilbert E.: *See*—
Massare, Quido P., and Edwards.

Edwards, Irving W., Detroit, Mich. Conductor. 2,579,227, Dec. 18.

Edwards, Jean F., executrix: *See*—
Massare, Quido P., and Edwards.

Eerbeek, Coenraad D. F.: *See*—
Smithuysen, Wilhelm C. B., and Eerbeek.

Egan, Clark J., Piedmont, assignor to California Research Corporation, San Francisco, Calif. Fractional solidification process. 2,579,421, Dec. 18.

Eisen, John B., Waterloo, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo. Nonelectrostatic plastic compositions. 2,579,375, Dec. 18.

Eldred, Wendell E., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Tandem-wheel shock absorbing aircraft landing gear. 2,579,180, Dec. 18.

Electric and Musical Industries Limited, assignee: *See*—
Lord, William E.

Electro Manufacturing Corporation, assignee: *See*—
Schoenbrod, Leslie K.

Electromode Corporation, assignee: *See*—
Mast, Lowell R., and Craig.

Elliott Company, assignee: *See*—
Davis, Hunt.

Elliott, John S.: *See*—
Evans, Elliott A., and Elliott.

Emrick, Melvin H., Jamaica, N. Y. Tapping machine. 2,578,995, Dec. 18.

Endersby, Victor A., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Driven well point. 2,578,996, Dec. 18.

Endicott Johnson Corporation, assignee: *See*—
Schultz, Edward L.

Englert, Robert D.: *See*—
Pijoan, Michel, Englert, Gerjovich, and Hopwood.

Erhardt, Oscar P.: *See*—
Krueger, Alfred P., and Erhardt.

Erickson, Elmer L., Brookings, S. Dak. Apparatus for separating particles of different densities. 2,579,228, Dec. 18.

Erickson, Elmer L., and A. N. Hume, Brookings, S. Dak. Push-pull hoe. 2,579,229, Dec. 18.

Erickson, Frank A., Elizabeth City, N. C. Stabilizer for rotary wing aircraft. 2,578,680, Dec. 18.

Errig, William F., Jenkintown, Pa., and E. S. De Hart, Collingswood, N. J.; said De Hart assignor to said Errig. Transverse tire tread slitting apparatus. 2,578,997, Dec. 18.

Esson, Edwin, assignor to Locke Stove Company, Kansas City, Mo. Duplex heater. 2,578,927, Dec. 18.

Ethyl Corporation, assignee: *See*—
Kolka, Alfred J., and Orloff.

Evans, Elliott A., and J. S. Elliott, assignors to C. C. Wakefield & Company Limited, London, England. Lubricating composition. 2,579,037, Dec. 18.

Evans, Elliott A., and J. S. Elliott, assignors to C. C. Wakefield & Company Limited, London, England. Lubricant composition. 2,579,038, Dec. 18.

Evans, Theodore W.: *See*—
Hearne, George W., Evans, and Buls.

Evans, William M., Inglewood, assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Lubricating system. 2,579,039, Dec. 18.

Everston, Joseph H., Los Angeles, Calif. Shoe with a padded rear portion. 2,578,681, Dec. 18.

Fabergé Inc., assignee: *See*—
Piccoli, Girolamo.

Faeber, Harry W., Larchmont, assignor to Time, Incorporated, New York, N. Y. Enclosed gravure fountain. 2,579,181, Dec. 18.

Failing, George E., Supply Company, The, assignee: *See*—
Yarborough, Joel E.

Fairbanks, Morse & Co., assignee: *See*—
Bower, Clark D.

Fairey, Charles R., Hayes, England. Wind-driven power generator. 2,579,311, Dec. 18.

Falco, Elvira A.: *See*—
Hitchings, George H., and Falco.

Falk Corporation, The, assignee: *See*—
Bade, Alfred G.

Falk, Samuel, Elmhurst, N. Y. Resilient finger grip for thermometers. 2,579,376, Dec. 18.

Farbwerk Hoechst vormals Meister Lucius & Bruning, assignee: *See*—
Thomsen, Christoph N. J.

Farley, Alfred E., Chicago, Ill. Making mechanical overlays. 2,579,182, Dec. 18.

Faulkner, Willard J., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Record changer. 2,578,792, Dec. 18.

Faximile, Inc., assignee: *See*—
Martin, Stephen J.

Federal Electric Products Company, assignee: *See*—
Ballou, Richard P.

Fein, Martin L.: *See*—
Filachione, Edward M., Fein, and Fisher.

Fellows Gear Shaper Company, The, assignee: *See*—
Handy, Wilbur Y., and Smith.

Fernstrom, Raymond G. L., Los Angeles, Calif. Hobby-horse attachment for bicycles and tricycles. 2,578,682, Dec. 18.

Ferris Instrument Laboratories, assignee: *See*—
Tyzzer, Howard J.

Ferruta, Francesco, Trecate, Italy. Carrier for braiding machines. 2,579,142, Dec. 18.

Fessler Machine Company, assignee: *See*—
Tyrrell, Emmet R.

Fiedler, Stuart O.: *See*—
Bjorksten, Johan, Fiedler, and Yaeger.

Fiedler, Stuart O., and J. Bjorksten, Chicago, Ill., and L. L. Yaeger, Hammond, Ind., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Protective compositions and method. 2,578,683, Dec. 18.

Fike, Don G., assignee: *See*—
Lewis, Olin E., and Bussinger.

Filachione, Edward M., Philadelphia, Pa., M. L. Fein, Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Glycol esters of acyloxy-carboxylic acids. 2,578,684, Dec. 18.

Finkl, A., & Sons Co., assignee: *See*—
Ledin, Theodore A.

Fischer, Karl A., College Park, Md. Dewaxing petroleum products with monobromo-monochloro-methane. 2,578,685, Dec. 18.

Fish, Herbert L., assignor, by mesne assignments, to Tubing Appliance Co., Inc., Los Angeles, Calif. Open-sided-socket ratchet wrench. 2,578,686, Dec. 18.

Fish, Herbert L., assignor to Tubing Appliance Company, Inc., Los Angeles, Calif. Split ratchet socket wrench. 2,578,687, Dec. 18.

Fisher, Charles H.: *See*—
Filachione, Edward M., Fein, and Fisher.

Fisher, Gertrude F., deceased; L. F. Steinhelper, E. F. Berry, and H. S. Phillips, executors, assignors to O. A. Norlund Company Inc., Williamsport, Pa. Ice creeper. 2,579,143, Dec. 18.

Fisher, Lawrence E., assignor to BullDog Electric Products Company, Detroit, Mich. Circuit breaker. 2,579,252, Dec. 18.

Fitzgerald, Charles F.: *See*—
Smithson, Ralph O., and Fitzgerald.

Fleischhacker, Max, Tel Aviv, Israel. Apparatus for the manufacture of denture models. 2,579,111, Dec. 18.

Flynn, Richard J., St. Paul, Minn. Artificial bait. 2,579,377, Dec. 18.

Fogel, Ira, New York, N. Y. Visible index filing binder. 2,579,253, Dec. 18.

Food Machinery and Chemical Corporation, assignee: *See*—
Slade, Martin A., Jr., and Gerwe.

Ford, Charles J., assignor to Wingfoot Corporation, Akron, Ohio. Retractable form structure. 2,579,423, Dec. 18.

Ford, Harold F., assignor to T. I. M. (Ticket-Issue Machines) Limited, Cirencester, England. Ticket printing and issuing machine. 2,579,254, Dec. 18.

Forman, Harry, assignee: *See*—
Traver, Philip C., Sr.

Forrest, Waverly L., Crittenden, Va. Folding leg support for combination commode and high chair. 2,579,040, Dec. 18.

Fortune, William B.: *See*—
Rhodehamel, Harley W., Jr., and Fortune.

Fort Wayne Dairy Equipment Company, assignee: *See*—
Zanitis, Vit.

Foster, Elton G.: *See*—
Daniels, Farrington, Hendrickson, and Foster.

Fox, Richard J.: *See*—
Borst, Lyle B., and Fox.

Fracheboud, Marcel, Saint-Cergue, Switzerland. Fire lighter. 2,578,998, Dec. 18.

Fraser, George L., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl resins plasticized with trimethylol, propane trioctanoate. 2,578,688, Dec. 18.

Freeman, Michael W., Detroit, Mich. Lubricant containing a reaction product of water-soluble sulfonic acids and phosphorus sulfide. 2,578,689, Dec. 18.

Freis, Fredrick M., Chicago, assignor, by mesne assignments, to Conlon-Moore Corporation, Cicero, Ill. Portable domestic ironing machine with friction drive. 2,578,928, Dec. 18.

French, Reginald F., Ilford, and H. R. Sadler, London, England. Ophthalmic mounting. 2,579,378, Dec. 18.

Freyssinet, Eugène, Neuilly-sur-Seine, France. Tensioning reinforcements. 2,579,183, Dec. 18.

Frick, Otto F. V., Stockholm, Sweden. Pitchy composition and making it. 2,578,883, Dec. 18.

Fritsche, John T., Bay Village, Ohio. Refrigerated commodity box. 2,579,379, Dec. 18.

Fry, Douglas J.: *See*—
Kendall, John D., and Fry.

Fuhrmeister, Frederick A.: *See*—
Bollinger, Waldon P., Fuhrmeister, and Hill.

Fujita, Frank H., Watsonville, Calif. Picking cart. 2,578,793, Dec. 18.

Fullerton, George A., Clarendon, Pa. Oil well pumping machine. 2,579,112, Dec. 18.

Fulwal Chemical Corporation, The, assignee: *See*—
Babayan, Vigen K.

Funderburk, George O., Upper Penn's Neck, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Noncaking compositions of matter. 2,579,380, Dec. 18.

Funderburk, George O., Upper Penn's Neck, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cellulose derivative composition of improved solubility. 2,579,381, Dec. 18.

Gagnebin, Albert P., Red Bank, and K. D. Millis, Rahway, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Magnesium-treated malleable iron. 2,578,794, Dec. 18.

Gallasch, Bernhardt G.: *See*—
Kurtz, John C., and Gallasch.

Gallaway, William S.: *See*—
Murray, Maurice J., and Gallaway.

Gannaway, Robertson R., Oak Park, assignor to Belmont Radio Corporation, Chicago, Ill. Three-dimensional display. 2,578,970, Dec. 18.

Gardiner, Duncan B., Detroit, and E. F. Klessig, Berkley, assignors to Vickers Incorporated, Detroit, Mich. Relief valve. 2,578,795, Dec. 18.

Gardner, Frederick H., Rochester, N. Y., assignor to Stromberg-Carlson Company. Frequency response controlling means. 2,579,069, Dec. 18.

Gardner, Herman L., Houston, Tex. Insufflator. 2,579,113, Dec. 18.

Garrett Corporation, The, assignee: *See*—
Arthur, Robert A.

Garvey, George D., New London, Conn. Basketball net. 2,579,312, Dec. 18.

Gattiker, Albert F., Jr., Athens, Pa., and A. D. Karr, Newark, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. Retainer. 2,579,382, Dec. 18.

Gautier, Georges: *See*—
Le Bozec, Léon, and Gautier.

Gehman, Samuel D., assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for measuring low-temperature stiffening of elastomers. 2,579,424, Dec. 18.

Geigy, J. R., A. G., assignee: *See*—
Bretscher, Hans.

General Aniline & Film Corporation, assignee: *See*—
Barnes, Carl E.
Coles, Robert F.
Hensley, Lee C.
Mackey, E. S.

General Bronze Corporation, assignee: *See*—
Potter, James L.

General Electric Company, assignee: *See*—
Adamson, Arthur P.
Bock, Charles E., and Burrows.
Crary, Selden B.
Davies, Leonard J., and Beeson.
Dole, Marshall H.
Graves, Donald E.
Grumblatt, Victor J.
Gurewitsch, Anatale M.
Hepperlen, John A., and Rifkin.
Hershberger, Doran D.
Kremer, Merle W.
Martin, Robert W.
Nelson, Henry C., Jr.
Schwenker, William A.
Slas, Frederick R.
Spicer, Curtis D., and Casler.
Taylor, Clement F.
Vrooman, Edward C.
White, William C.
Zelt, Elmer J.

General Motors Corporation, assignee: *See*—
Codling, Eldred P.
Harris, Edward P.
Scofield, Robert O.
Thornburg, Herbal A., and Conrad.

General Railway Signal Company, assignee: *See*—
Edwards, Donald V.

George, Everett D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for dusting strip material. 2,579,425, Dec. 18.

Georgeson, Albin M., assignor of one-third to L. F. Eberle and one-third to P. Vetter, Esmond, N. Dak. Automatic electric bread toaster. 2,578,971, Dec. 18.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Accelerators for addendum type resins. 2,578,690, Dec. 18.

Gerjovich, Henry J.: *See*—
Pijoan, Michel, Englert, Gerjovich, and Hopwood.

Gerlach, Glendon T., assignee: *See*—
Schmidt, Howard F.

Gerson, Irving: *See*—
Maizel, Ben L., and Gerson.

Gerwe, Raymond D.: *See*—
Slade, Martin A., Jr., and Gerwe.

Giboney, Joe W., Spencer, W. Va. Illuminated license plate frame. 2,579,230, Dec. 18.

Gieseler, Russell W., Jamestown, N. Y. Combination mail and news box. 2,578,691, Dec. 18.

Gieseler, Russell W., Jamestown, N. Y. Duplex covered mail and news box. 2,578,692, Dec. 18.

Gieseler, Russell W., Jamestown, N. Y. Combination mail and news box. 2,578,693, Dec. 18.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Dunn, James P.

Gilbert, Howard W.: *See*—
Hopkins, William A., and Gilbert.

Gillette, Edgar N., Mercedes, Tex. Thermostatic controlled pressure operated mixing faucet. 2,578,796, Dec. 18.

Gilson, Robert M., Swissvale, and L. K. Hedding, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Power supply means. 2,579,313, Dec. 18.

Giudice, Benjamin, Brooklyn, N. Y. Skate clamp. 2,579,256, Dec. 18.

Givaudan Corporation, The, assignee: *See*—
Gump, William S., and Nikawitz.

Glasgow, Clarence O., and J. L. Maher, assignors to National Tank Company, Tulsa, Okla. Heating vessels. 2,579,184, Dec. 18.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Allyl amine carbonates, polymers, and copolymers. 2,579,426, Dec. 18.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Allyl amine carbonates, polymers, and copolymers. 2,579,427, Dec. 18.

Godley, Noah H., Charlotte, N. C. Hayrake. 2,579,041, Dec. 18.

Goldberg, Harold D. and M. I., New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electromagnetically operated counter. 2,579,231, Dec. 18.

Goldberg, Milton I.: *See*—
Goldberg, Harold D. and M. I.

Goldman, Albert D., Baltmore, Md. Generator tester. 2,578,694, Dec. 18.

Goodrich, B. F., Company, The, assignee: *See*—
Huff, James W.
Krotz, Alvin S., and Austin.
Seifried, Anton G.

Goppel, Johan M., G. E. Rumscheidt, and J. T. Hackmann, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilizing polydiene polymer reacted with sulfur dioxide and resulfing products. 2,578,653, Dec. 18.

Gordinier, Ralph E., Quakertown, Pa., assignor to Economy Faucet Company, Newark, N. J. Liquid valve. 2,578,797, Dec. 18.

Gordinier, Ralph E., Climax, Mich., assignor to Economy Faucet Company, Newark, N. J. Liquid pump. 2,578,798, Dec. 18.

Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Making lignin compound and product. 2,578,695, Dec. 18.

Goudsmit, Felix K., Larchmont, N. Y. Electrically heated vest. 2,579,383, Dec. 18.

Granatek, Alphonse P., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Amine salt of penicillin. 2,579,185, Dec. 18.

Graves, Donald E., Milwaukee, Wis., assignor to General Electric Company. Electrical protective system. 2,579,255, Dec. 18.

Gregurich, Matt: *See*—
Stuckey, Warren A., Gregurich, and Tomasich.

Grey, Victor A., assignor, by mesne assignments, to Kartridg-Pak Machine Co., Chicago, Ill. Banding machine. 2,578,799, Dec. 18.

Griesser, Fritz, assignor to Rolladenfabrik A. Griesser A.-G., Aadorf, Switzerland. Winding and stopping mechanism for Venetian blinds. 2,579,144, Dec. 18.

Griffiths, Ronald E.: *See*—
Campbell, Charles H., Griffiths, and Cramer.

Griscom-Russell Company, The, assignee: *See*—
Blach, William.

Grumblatt, Victor J., East Cleveland, Ohio, assignor to General Electric Company. Swivel and locking connection for tubes. 2,579,314, Dec. 18.

Guercken, Nina K., executrix: *See*—
Kadenacy, Michel.

Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., Cantrell, and Hill.

Gulf Publishing Company, assignee: *See*—
Wauson, Horace C., and Bennett.

Gulf Research & Development Company, assignee: *See*—
Pardee, William A.
Warner, Benjamin R., and Pardee.

Gump, William S., Upper Montclair, and E. J. Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation, New York, N. Y. N-(2-chloroethyl)-N-piperonyl amines. 2,578,696, Dec. 18.

Gunn, Ross, Washington, D. C. Method and apparatus for discharging static electricity. 2,578,697, Dec. 18.

Gunther, James K.: *See*—
Lofdahl, Lyle J., and Gunther.

Gurewitsch, Anatale M., Schenectady, N. Y., assignor to General Electric Company. Resonator structure. 2,579,315, Dec. 18.

Gustus, Edwin L., assignee: *See*—
Cheronis, Nicholas D.

Haboush, Edward J., Brooklyn, N. Y. Apparatus for positioning bone nails for fixing fractured bones. 2,579,186, Dec. 18.

Hackmann, Johannes T.: *See*—
Goppel, Johan M., Rumscheidt, and Hackmann.

Hagely, Herbert V., East St. Louis, Ill. Trailer tractor chassis adjusting device. 2,578,972, Dec. 18.

Hager, Karl F.: *See*—
Michel, Josef M., and Hager.

Hagerty, Andrew T., and T. F. Brenneman, Elkhart, Ind., assignors to The Adlake Company, Chicago, Ill. Cable operated curtain fixture. 2,579,187, Dec. 18.

Hahn, Lola E.: *See*—
Meengs, Ann A., and Hahn.

Halford, Frank B., Edgware, and G. Bristow, Stanmore, assignors to The De Havilland Aircraft Company Limited, Hatfield, England. Cooling means for tail pipes of jet propulsion motors. 2,579,114, Dec. 18.

Hall, Elmer S., Riverdale, Md., J. N. Smith, Laguna Beach, and M. L. McBrayer, assignors to Moisture Register Company, Alhambra, Calif. Pressure sensitive moisture test instrument. 2,579,316, Dec. 18.

Hall, Raymond L., Kansas City, Mo. Pie and cake pan. 2,578,929, Dec. 18.

Haloid Company, The, assignee: *See*—
Dessauer, John H., and Insalaco.

Hamilton, Frederick I.: *See*—
Speier, Bender L., and Hamilton.

Hamister, Victor C., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Stabilization of pyrophoric iron. 2,578,800, Dec. 18.

Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Parasiticidal composition. 2,579,428, Dec. 18.

Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Sulfur composition. 2,579,429, Dec. 18.

Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Dormant parasiticide compositions. 2,579,430, Dec. 18.

Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Parasiticide composition. 2,579,431, Dec. 18.

Hammond, Lee C., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Work holder for grinding router bits. 2,578,884, Dec. 18.

Hammond Machinery Builders, Inc., assignee: *See*—
Hammond, Lee C.

Handy, Carleton T., and J. C. Sauer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N,N-disubstituted vinyl dithiocarbamates. 2,579,384, Dec. 18.

Handy, Wilbur Y., and W. M. Smith, Jr., assignors to The Fellows Gear Shaper Company, Springfield, Vt. Method and machine for generating offset face gears. 2,579,422, Dec. 18.

Hanford, William E., Short Hills, assignor to The M. W. Kellogg Company, Jersey City, N. J. Dehydration of organic acids. 2,578,698, Dec. 18.

Hanna Engineering Works, assignee: *See*—
Trimble, Roy L., and Hanna.

Hanna, John C.: *See*—
Trimble, Roy L., and Hanna.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multiplex communication system. 2,579,070, Dec. 18.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Time division multiplex system. 2,579,071, Dec. 18.

Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Vehicle hitch assembly. 2,579,232, Dec. 18.

Hansen, John N.: *See*—
Britton, Edgar C., and Hansen.

Hansen, William W., and R. H. Varian, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Cavity resonator electron discharge apparatus. 2,578,699, Dec. 18.

Hanshaw, Fred, Port Huron, Mich. Fowl picker. 2,578,930, Dec. 18.

Hansley, Virgil L., Niagara Falls, and W. J. P. Hilts, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkali metal dispersions. 2,579,257, Dec. 18.

Hanze, Arthur R.: *See*—
Weisblat, David I., Magerlein, and Hanze.

Harrah, John L., Erie, Pa. Piston and piston packing. 2,579,115, Dec. 18.

Harris, Edward P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Flexible sealing strip. 2,579,072, Dec. 18.

Harris, Malcom, Los Angeles, Calif. Apparatus for supporting and coating golf balls. 2,579,073, Dec. 18.

Harris-Seybold Company, assignee: *See*—
Harrold, Charles W., and Woodruff.

Harrold, Charles W., University Heights, and A. B. Woodruff, Brecksville, assignors to Harris-Seybold Company, Cleveland, Ohio. Sheet controlled interrupter for offset printing presses. 2,578,700, Dec. 18.

Harshberger, Russell P., Altadena, Calif. Epicyclic mechanism. 2,578,801, Dec. 18.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale stirrup. 2,578,931, Dec. 18.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Bergmans, Jan, and Vervest.
Blok, Henri.
Buisman, Jan A. K.
Schoonenberg, Pancras, and van Zonneveld.

Hartmann, Karl A., assignee: *See*—
Arvedlund, Knud E.

Harvard Manufacturing Company, The, assignee: *See*—
Sands, Hilliard J., and Blanke.

Haseltine Research, Inc., assignee: *See*—
Richman, Donald.

Fiedler, Stuart O.: *See*—
Bjorksten, Johan, Fiedler, and Yaeger.

Fiedler, Stuart O., and J. Bjorksten, Chicago, Ill., and L. L. Yaeger, Hammond, Ind., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Protective compositions and method. 2,578,683, Dec. 18.

Fike, Don G., assignee: *See*—
Lewis, Olin E., and Bussinger.

Filachione, Edward M., Philadelphia, Pa., M. L. Fein, Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Glycol esters of acyloxy-carboxylic acids. 2,578,684, Dec. 18.

Finkl, A., & Sons Co., assignee: *See*—
Ledin, Theodore A.

Fischer, Karl A., College Park, Md. Dewaxing petroleum products with monobromo-monochloro-methane. 2,578,685, Dec. 18.

Fish, Herbert L., assignor, by mesne assignments, to Tubing Appliance Co., Inc., Los Angeles, Calif. Open-sided-socket ratchet wrench. 2,578,686, Dec. 18.

Fish, Herbert L., assignor to Tubing Appliance Company, Inc., Los Angeles, Calif. Split ratchet socket wrench. 2,578,687, Dec. 18.

Fisher, Charles H.: *See*—
Filachione, Edward M., Fein, and Fisher.

Fisher, Gertrude F., deceased; L. F. Steinhelper, E. F. Berry, and H. S. Phillips, executors, assignors to O. A. Norlund Company Inc., Williamsport, Pa. Ice creeper. 2,579,143, Dec. 18.

Fisher, Lawrence E., assignor to BullDog Electric Products Company, Detroit, Mich. Circuit breaker. 2,579,252, Dec. 18.

Fitzgerald, Charles F.: *See*—
Smithson, Ralph O., and Fitzgerald.

Fleischhacker, Max, Tel Aviv, Israel. Apparatus for the manufacture of denture models. 2,579,111, Dec. 18.

Flynn, Richard J., St. Paul, Minn. Artificial bait. 2,579,377, Dec. 18.

Fogel, Ira, New York, N. Y. Visible index filing binder. 2,579,253, Dec. 18.

Food Machinery and Chemical Corporation, assignee: *See*—
Slade, Martin A., Jr., and Gerwe.

Ford, Charles J., assignor to Wingfoot Corporation, Akron, Ohio. Retractable form structure. 2,579,423, Dec. 18.

Ford, Harold F., assignor to T. I. M. (Ticket-Issue Machines) Limited, Cirencester, England. Ticket printing and issuing machine. 2,579,254, Dec. 18.

Forman, Harry, assignee: *See*—
Traver, Philip C., Sr.

Forrest, Waverly L., Crittenden, Va. Folding leg support for combination commode and high chair. 2,579,040, Dec. 18.

Fortune, William B.: *See*—
Rhodehamel, Harley W., Jr., and Fortune.

Fort Wayne Dairy Equipment Company, assignee: *See*—
Zanitis, Vit.

Foster, Elton G.: *See*—
Daniels, Farrington, Hendrickson, and Foster.

Fox, Richard J.: *See*—
Borst, Lyle B., and Fox.

Fracheboud, Marcel, Saint-Cergue, Switzerland. Fire lighter. 2,578,998, Dec. 18.

Fraser, George L., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl resins plasticized with trimethylol propane trioctanoate. 2,578,688, Dec. 18.

Freeman, Michael W., Detroit, Mich. Lubricant containing a reaction product of water-soluble sulfonic acids and phosphorus sulfide. 2,578,689, Dec. 18.

Freis, Fredrick M., Chicago, assignor, by mesne assignments, to Conlon-Moore Corporation, Cicero, Ill. Portable domestic ironing machine with friction drive. 2,578,928, Dec. 18.

French, Reginald F., Ilford, and H. R. Sadler, London, England. Ophthalmic mounting. 2,579,378, Dec. 18.

Freyssinet, Eugène, Neuilly-sur-Seine, France. Tensioning reinforcements. 2,579,183, Dec. 18.

Frick, Otto F. V., Stockholm, Sweden. Pitchy composition and making it. 2,578,883, Dec. 18.

Fritsche, John T., Bay Village, Ohio. Refrigerated commodity box. 2,579,379, Dec. 18.

Fry, Douglas J.: *See*—
Kendall, John D., and Fry.

Fuhrmeister, Frederick A.: *See*—
Bollinger, Waldon P., Fuhrmeister, and Hill.

Fujita, Frank H., Watsonville, Calif. Picking cart. 2,578,793, Dec. 18.

Fullerton, George A., Clarendon, Pa. Oil well pumping machine. 2,579,112, Dec. 18.

Fulwal Chemical Corporation, The, assignee: *See*—
Babayan, Vigen K.

Funderburk, George O., Upper Penn's Neck, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Noncaking compositions of matter. 2,579,380, Dec. 18.

Funderburk, George O., Upper Penn's Neck, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cellulose derivative composition of improved solubility. 2,579,381, Dec. 18.

Gagnebin, Albert P., Red Bank, and K. D. Millis, Rahway, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Magnesium-treated malleable iron. 2,578,794, Dec. 18.

Gallasch, Bernhardt G.: *See*—
Kurtz, John C., and Gallasch.

Gallaway, William S.: *See*—
Murray, Maurice J., and Gallaway.

Gannaway, Robertson R., Oak Park, assignor to Belmont Radio Corporation, Chicago, Ill. Three-dimensional display. 2,578,970, Dec. 18.

Gardiner, Duncan B., Detroit, and E. F. Klessig, Berkley, assignors to Vickers Incorporated, Detroit, Mich. Relief valve. 2,578,795, Dec. 18.

Gardner, Frederick H., Rochester, N. Y., assignor to Stromberg-Carlson Company. Frequency response controlling means. 2,579,069, Dec. 18.

Gardner, Herman L., Houston, Tex. Insufflator. 2,579,113, Dec. 18.

Garrett Corporation, The, assignee: *See*—
Arthur, Robert A.

Garvey, George D., New London, Conn. Basketball net. 2,579,312, Dec. 18.

Gattiker, Albert F., Jr., Athens, Pa., and A. D. Karr, Newark, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. Retainer. 2,579,382, Dec. 18.

Gautier, Georges: *See*—
Le Bozec, Léon, and Gautier.

Gehman, Samuel D., assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for measuring low-temperature stiffening of elastomers. 2,579,424, Dec. 18.

Geigy, J. R., A. G., assignee: *See*—
Bretscher, Hans.

General Aniline & Film Corporation, assignee: *See*—
Barnes, Carl E.
Coles, Robert F.
Hensley, Lee C.
Mackey, E. S.

General Bronze Corporation, assignee: *See*—
Potter, James L.

General Electric Company, assignee: *See*—
Adamson, Arthur P.
Bock, Charles E., and Burrows.
Crary, Selden B.
Davies, Leonard J., and Beeson.
Dole, Marshall H.
Graves, Donald E.
Grumblatt, Victor J.
Gurewitsch, Anatale M.
Hepperlen, John A., and Rifkin.
Hershberger, Doran D.
Kremer, Merle W.
Martin, Robert W.
Nelson, Henry C., Jr.
Schwenker, William A.
Sias, Frederick R.
Spicer, Curtis D., and Casler.
Taylor, Clement F.
Vrooman, Edward C.
White, William C.
Zelt, Elmer J.

General Motors Corporation, assignee: *See*—
Codling, Eldred P.
Harris, Edward P.
Scofield, Robert O.
Thornburg, Herbal A., and Conrad.

General Railway Signal Company, assignee: *See*—
Edwards, Donald V.

George, Everett D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for dusting strip material. 2,579,425, Dec. 18.

Georgeson, Albin M., assignor of one-third to L. F. Eberle and one-third to P. Vetter, Esmond, N. Dak. Automatic electric bread toaster. 2,578,971, Dec. 18.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Accelerators for addendum type resins. 2,578,690, Dec. 18.

Gerjovich, Henry J.: *See*—
Pijoan, Michel, Englert, Gerjovich, and Hopwood.

Gerlach, Glendon T., assignee: *See*—
Schmidt, Howard F.

Gerson, Irving: *See*—
Maizel, Ben L., and Gerson.

Gerwe, Raymond D.: *See*—
Slade, Martin A., Jr., and Gerwe.

Giboney, Joe W., Spencer, W. Va. Illuminated license plate frame. 2,579,230, Dec. 18.

Gieseler, Russell W., Jamestown, N. Y. Combination mail and news box. 2,578,691, Dec. 18.

Gieseler, Russell W., Jamestown, N. Y. Duplex covered mail and news box. 2,578,692, Dec. 18.

Gieseler, Russell W., Jamestown, N. Y. Combination mail and news box. 2,578,693, Dec. 18.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Dunn, James P.

Gilbert, Howard W.: *See*—
Hopkins, William A., and Gilbert.

Gillette, Edgar N., Mercedes, Tex. Thermostatic controlled pressure operated mixing faucet. 2,578,796, Dec. 18.

Gilson, Robert M., Swissvale, and L. K. Hedding, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Power supply means. 2,579,313, Dec. 18.

Giudice, Benjamin, Brooklyn, N. Y. Skate clamp. 2,579,256, Dec. 18.

Givaudan Corporation, The, assignee: *See*—
Gump, William S., and Nikawitz.

Glasgow, Clarence O., and J. L. Maher, assignors to National Tank Company, Tulsa, Okla. Heating vessels. 2,579,184, Dec. 18.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Allyl amine carbonates, polymers, and copolymers. 2,579,426, Dec. 18.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Allyl amine carbonates, polymers, and copolymers. 2,579,427, Dec. 18.

Godley, Noah H., Charlotte, N. C. Hayrake. 2,579,041, Dec. 18.

Goldberg, Harold D. and M. I., New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electromagnetically operated counter. 2,579,231, Dec. 18.

Goldberg, Milton I.: *See*—
Goldberg, Harold D. and M. I.

Goldman, Albert D., Baltmore, Md. Generator tester. 2,578,694, Dec. 18.

Goodrich, B. F., Company, The, assignee: *See*—
Huff, James W.
Krotz, Alvin S., and Austin.
Seifried, Anton G.

Goppel, Johan M., G. E. Rumscheidt, and J. T. Hackmann, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilizing polydiene polymer reacted with sulfur dioxide and resulting products. 2,578,653, Dec. 18.

Gordinier, Ralph E., Quakertown, Pa., assignor to Economy Faucet Company, Newark, N. J. Liquid valve. 2,578,797, Dec. 18.

Gordinier, Ralph E., Climax, Mich., assignor to Economy Faucet Company, Newark, N. J. Liquid pump. 2,578,798, Dec. 18.

Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Making lignin compound and product. 2,578,695, Dec. 18.

Goudsmit, Felix K., Larchmont, N. Y. Electrically heated vest. 2,579,383, Dec. 18.

Granatek, Alphonse P., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Amine salt of penicillin. 2,579,185, Dec. 18.

Graves, Donald E., Milwaukee, Wis., assignor to General Electric Company. Electrical protective system. 2,579,255, Dec. 18.

Gregurich, Matt: *See*—
Stuckey, Warren A., Gregurich, and Tomasich.

Grey, Victor A., assignor, by mesne assignments, to Kartridg-Pak Machine Co., Chicago, Ill. Banding machine. 2,578,799, Dec. 18.

Griesser, Fritz, assignor to Rolladenfabrik A. Griesser A.-G., Aadorf, Switzerland. Winding and stopping mechanism for Venetian blinds. 2,579,144, Dec. 18.

Griffiths, Ronald E.: *See*—
Campbell, Charles H., Griffiths, and Cramer.

Griscom-Russell Company, The, assignee: *See*—
Bisch, William.

Grumblatt, Victor J., East Cleveland, Ohio, assignor to General Electric Company. Swivel and locking connection for tubes. 2,579,314, Dec. 18.

Guercken, Nina K., executrix: *See*—
Kadenacy, Michel.

Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., Cantrell, and Hill.

Gulf Publishing Company, assignee: *See*—
Wauson, Horace C., and Bennett.

Gulf Research & Development Company, assignee: *See*—
Pardee, William A.
Warner, Benjamin R., and Pardee.

Gump, William S., Upper Montclair, and E. J. Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation, New York, N. Y. N-(2-chloroethyl)-N-piperonyl amines. 2,578,696, Dec. 18.

Gunn, Ross, Washington, D. C. Method and apparatus for discharging static electricity. 2,578,697, Dec. 18.

Gunther, James K.: *See*—
Lofdahl, Lyle J., and Gunther.

Gurewitsch, Anatale M., Schenectady, N. Y., assignor to General Electric Company. Resonator structure. 2,579,315, Dec. 18.

Gustus, Edwin L., assignee: *See*—
Cheronis, Nicholas D.

Haboush, Edward J., Brooklyn, N. Y. Apparatus for positioning bone nails for fixing fractured bones. 2,579,186, Dec. 18.

Hackmann, Johannes T.: *See*—
Goppel, Johan M., Rumscheidt, and Hackmann.

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Meengs, Ann A., and Hahn.

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Britton, Edgar C., and Hansen.

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Weisblat, David I., Magerlein, and Hanze.

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Blok, Henri.
Buisman, Jan A. K.
Schoonenberg, Pancras, and van Zonneveld.

Hartmann, Karl A., assignee: *See*—
Arvedlund, Knud E.

Harvard Manufacturing Company, The, assignee: *See*—
Sands, Hillard J., and Blanke.

Hazeltine Research, Inc., assignee: *See*—
Richman, Donald.

Headley, Chester L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Differential relay sensitivity adjuster. 2,579,042, Dec. 18.

Hearne, George W., Lafayette, T. W. Evans, Oakland, and V. W. Buls, Walnut Creek, assignors to Shell Development Company, San Francisco, Calif. Preparation of tertiary-alkyl-substituted benzene carboxylic acids. 2,578,654, Dec. 18.

Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coordinate selecting and lockout circuit. 2,578,701, Dec. 18.

Heckert, Frederick W., Dayton, Ohio. Grill-spatula assembly. 2,379,258, Dec. 18.

Hedding, Linnie K.: *See*—
Gilson, Robert M., and Hedding.

Heddon's, James, Sons, assignee: *See*—
Willman, Walter.

Hegyi, Imre J.: *See*—
Leverenz, Humboldt W., and Hegyi.

Heidrick, Fred C. and J. A., Woodland, Calif. Material handling industrial truck. 2,578,802, Dec. 18.

Heidrick, Joseph A.: *See*—
Heidrick, Fred C. and J. A.

Heinz, Bernard, Scranton, Pa. Luminous attachment for locks. 2,579,146, Dec. 18.

Hellwig, Rudolph H., Glendale, Calif. Spring stabilizer attachment. 2,578,702, Dec. 18.

Helwick, Harold L., Renton, Wash. Fisherman's rod winder. 2,579,074, Dec. 18.

Hendrickson, William G.: *See*—
Daniels, Farrington, Hendrickson, and Foster.

Hensley, Lee C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Sensitizing dyes from bithiazoles. 2,579,432, Dec. 18.

Hepperlen, John A., and S. Rifkin, Schenectady, N. Y., assignors to General Electric Company. Control system. 2,579,317, Dec. 18.

Hercules Powder Company, assignee: *See*—
Buntin, George A.

Hermsen, Edward A., Honolulu, Hawaii. Variable-speed phonograph turntable. 2,579,145, Dec. 18.

Hershberger, Doran D., Fort Wayne, Ind., assignor to General Electric Company. Rotor for dynamoelectric machine. 2,579,318, Dec. 18.

Hewitt-Robins Incorporated, assignee: *See*—
Meissner, John F.

Heyden Chemical Corporation, assignee: *See*—
Oppenheimer, Philip W., and Cake, Vander Valk, Christy J.

Hiatt, Robert E., Oak Lawn, Ill. Position indicator for vehicle steering apparatus. 2,579,233, Dec. 18.

Hickman, Kenneth C. D., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vacuum distillation apparatus. 2,578,999, Dec. 18.

Hill, Justin E., Jr.: *See*—
Bollinger, Waldon P., Fuhrmeister, and Hill.

Hill, Mark L.: *See*—
Smith, Herschel G., Cantrell, and Hill.

Hills, Elmer G., assignor to Belmont Radio Corporation, Chicago, Ill. Antenna array. 2,578,973, Dec. 18.

Hilts, Willard John P.: *See*—
Hansley, Virgil L., and Hilts.

Hinds, George A., assignor to George Hinds Ltd., Malvern, England. Electric razor. 2,578,974, Dec. 18.

Hinds, George, Ltd., assignee: *See*—
Hinds, George A.

Hinze, Julius O., and C. Stillebroer, Delft, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Exhaust device for fluid flowing at high velocity. 2,578,932, Dec. 18.

Hirschberg, Charles A., Mountain Lakes, N. J. Power hammer. 2,579,075, Dec. 18.

Hirvonen, Eric J., Shrewsbury, assignor to Leland-Gifford Company, Worcester, Mass. Plural pressure hydraulic feed system. 2,579,116, Dec. 18.

Hitchings, George H., Tuckahoe, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 2,4-diamino-5-benzylpyrimidines 2. 2,579,259, Dec. 18.

Hoe, R., & Co., Inc., assignee: *See*—
Lamatsch, Frederick.

Hoff, John M.: *See*—
Mayer, Charles M., and Hoff.

Hoffmann-La Roche Inc., assignee: *See*—
Steiger, Norbert, and Keller.

Hofgaard, Rolf, Nordstrandshogda, near Oslo, Norway. Registering device. 2,579,000, Dec. 18.

Hollaway, Roy L., San Francisco, Calif., assignor of thirty per cent to M. M. Warren. Sheet metal working device. 2,579,188, Dec. 18.

Holm, John M.: *See*—
Taylor, James, Holm, and Hutchison.

Holm, Melvin M., San Francisco, and G. E. Langlois, El Cerrito, assignors to California Research Corporation, San Francisco, Calif. Polymerizing olefins. 2,579,433, Dec. 18.

Holmberg, Carl E., and T. Mungall, Sr., assignors to W. S. Mietzlner, Cleveland, Ohio. Impact recorder. 2,578,803, Dec. 18.

Holveck, Joseph E., Upper Montclair, and A. G. Rockwood, Nutley, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Hydraulic-type log debarker having centripetally directed jets mounted in circumferential groups radially adjustable for different size logs. 2,578,804, Dec. 18.

Hopkins, William A., Columbus, Ohio, and H. W. Gilbert, Bethesda, Md. Radiation detection instrument. 2,578,703, Dec. 18.

Hoppe, Boris, Kew Gardens, N. Y. Drop leaf table with leg control linkage. 2,579,076, Dec. 18.

Hopwood, Mortimer L.: *See*—
Pijoan, Michel, Englert, Gerjovich, and Hopwood.

Horgan, William F., New Malden, England. Time switch. 2,579,260, Dec. 18.

Horne, James H., Evans, Ga. Combination tappet wrench and feeler gauge. 2,578,975, Dec. 18.

Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Reforming of hydrocarbons with dehydrogenation catalysts. 2,578,704, Dec. 18.

Houdry Process Corporation, assignee: *See*—
Houdry, Eugene J.

Houghton, Howard D.: *See*—
Woolsey, Theodore A., and Houghton.

Hubbard, Deane O., Niagara Falls, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vacuum seal for fluorine generation system. 2,579,234, Dec. 18.

Huhner, Cornelius A., Bloomingdale, N. J. Barrow attachment for lawn mowers. 2,579,077, Dec. 18.

Hudson, Neal, Phoenix, Ariz. Safety chain hook for trailers. 2,579,319, Dec. 18.

Huff, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt for cone pulleys. 2,578,885, Dec. 18.

Hultquist, Martin E., Bound Brook, and T. F. Scholz, South Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 3,4,7-tribaloquinolines. 2,579,320, Dec. 18.

Hume, Albert N.: *See*—
Erickson, Elmer L., and Hume.

Hunter, Robert H., Gates Mills, and E. J. Kasper, Cleveland, Ohio, said Kasper assignor to said Hunter. Coupling. 2,578,933, Dec. 18.

Hutchison, Alexander C.: *See*—
Taylor, James, Holm, and Hutchison.

Hynson, Westcott & Dunning, Incorporated, assignee: *See*—
Curtis, Raymond M., Brewer, and Stickels.

I-T-E Circuit Breaker Company, assignee: *See*—
Scott, William M., Jr.

Ifield, Richard J., Exeter, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Fluid pressure responsive regulating means for use in liquid supply systems. 2,579,147, Dec. 18.

Ilford Limited, assignee: *See*—
Kendall, John D., and Fry.

Ilg Electric Ventilating Company, assignee: *See*—
Pfautsch, Raymond V.

Imperial Chemical Industries Limited, assignee: *See*—
Boon, William R., and Carrington and Vasey, Burness, Alexander, and Williams, Taylor, James, Holm, and Hutchison.

Indergand, Josef, Baar, Switzerland, assignor to Landis & Gyr, A. G. Magnetic shunt for U-shaped meter cores. 2,579,261, Dec. 18.

Ingala, Frank, Chicago, Ill. Coating ingot molds and composition therefor. 2,578,976, Dec. 18.

Ingersoll-Rand Company, assignee: *See*—
Gattiker, Albert F., Jr., and Karr, Thomas, Floyd H.

Ingram, Alvin R.: *See*—
Beery, Donald W., Eberl, and Ingram.

Insalaco, Michael A.: *See*—
Dessauer, John H., and Insalaco.

International Nickel Company, Inc., The, assignee: *See*—
Cook, Wilfred J., and Tuck, Gagnebin, Albert P., and Millis, Renzoni, Louis S.

Isakson, Eric N.: *See*—
Minarik, Rudolf G., and Isakson.

Isherwood, Henry G., and B. J. Moore, Detroit, assignors to Buzz-Boy Motor Bike Co., St. Clair Shores, Mich. Motor adaptor. 2,578,886, Dec. 18.

Jackson, Vesper L., W. H. Pfrehm, and S. R. Danekas, Thedford, Nebr.; said Danekas assignor to said Jackson and said Pfrehm. Automatic fishing device. 2,578,887, Dec. 18.

Jahrl, Eric V. T., Orebro, Sweden. Instrument for the adjustment and measuring of angles in machine tools. 2,579,449, Dec. 18.

Janssen, Hendrik J. J., The Hague, Netherlands. Adjustable burner for liquid fuel. 2,578,934, Dec. 18.

Jason, Walter J., assignee: *See*—
Schmidt, Howard F.

Jeffers, Charles L., San Antonio, Tex. Electronic switching device. 2,579,001, Dec. 18.

Jellis, Morgan, and T. W. Langley, assignors to Coventry Gauge & Tool Company Limited, Coventry, England. Profiling device for grinding wheels. 2,579,385, Dec. 18.

Jensen, Arthur H., Evanston, Ill. Automatic can opener. 2,579,189, Dec. 18.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Metal drawing press. 2,579,078, Dec. 18.

Johnsen, Harold A.: *See*—
Butterfield, James E., Sr., James E. Butterfield, Jr., and Johnsen.

Johnson, Clifford N., assignor to Ritepoint Co., St. Louis, Mo. Pencil clip. 2,579,080, Dec. 18.

Johnson, Ethel H., executrix: *See*—
Johnson, John.

Johnson, John, deceased, by E. H. Johnson, executrix, Morristown, N. J., assignor to J. E. Johnson, Mount Kemble Lake, Morristown, N. J. Mixing apparatus. 2,578,805, Dec. 18.

Johnson, John E., assignee: *See*—
Johnson, John.

Johnson & Johnson, assignee: *See*—
Beery, Donald W., Eberl, and Ingram.

Johnson, Lawrence, Freeport, N. Y. Propeller. 2,578,806, Dec. 18.

Johnson, Louis W., Eugene, Oreg. Mechanical vibrating screen. 2,579,002, Dec. 18.

Johnson, Robert F., Bedford, Va. Combination necktie and pocket handkerchief. 2,578,807, Dec. 18.

Johnson, Sheldon K., Van Nuys, Calif. Calculating machine. 2,578,705, Dec. 18.

Johnson, William J., and L. H. Buckner, Darwin, Calif. Potato cleaning and separating device. 2,578,808, Dec. 18.

Jones & Laughlin Steel Corporation, assignee: *See*—
Work, Harold K., and Webster.

Jones, Livingston E., Philadelphia, Pa. Mounting for rearview mirror reflectors. 2,579,148, Dec. 18.

Josephian, William, Oakland, Calif. Vehicle construction. 2,579,003, Dec. 18.

Joy Manufacturing Company, assignee: *See*—
Dean, Maxwell O.

Joyce, John R., London, England, assignor to Shell Development Company, San Francisco, Calif. Liquid fuel burner with nondribble tip valve. 2,579,004, Dec. 18.

Kadenacy, Michel, deceased, Summit, N. J.; N. K. Guercken, executrix. Apparatus for producing gas under pressure. 2,579,321, Dec. 18.

Kaldor, Irving, San Francisco, Calif. Garter belt. 2,579,190, Dec. 18.

Kallal, George W., Overland, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Exit area control for jet engines. 2,579,043, Dec. 18.

Karr, Alfred D.: *See*—
Gattiker, Albert F., Jr., and Karr.

Karstedt, Elmer C., Burlington, Wis. Hen's nest. 2,578,935, Dec. 18.

Kartridg-Pak Machine Co., assignee: *See*—
Grey, Victor A.

Kasper, Elmer J.: *See*—
Hunter, Robert H., and Kasper.

Kaveler, Herman H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Emulsion drilling mud. 2,578,888, Dec. 18.

Kay, Ignatius, assignor to The Wellman Smith Owen Engineering Corporation Limited, London, England. Level luffing jib crane. 2,579,262, Dec. 18.

Keith, James F., and D. C. Smith, Jr., West Asheville, assignors to American Enka Corporation, Enka, N. C. Method of and apparatus for leasing. 2,579,322, Dec. 18.

Keller, Oscar: *See*—
Steiger, Norbert, and Keller.

Kelling Nut Co., The, assignee: *See*—
Steiner, John.

Kellogg, M. W., Company, The, assignee: *See*—
Hanford, William E.
Miller, William T.

Kenaga, Eugene E., assignor to The Dow Chemical Company, Midland, Mich. Parasiticidal composition. 2,579,434, Dec. 18.

Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Photographic silver halide emulsions containing 4-hydroxy quinolines. 2,578,655, Dec. 18.

Kennedy, Edgar S., Wayne, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for stiffening fabric edges. 2,578,889, Dec. 18.

Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Rectifier system. 2,579,235, Dec. 18.

Kerr, Alexander H., & Co., assignee: *See*—
Sachs, Carrol C., and J. Bond.

Kessenich, Christopher J., assignee: *See*—
Kessenich, Gregory J.

Kessenich, Gregory J., Madison, Wis., assignor of one-sixth to P. C. Kessenich, one-sixth to W. H. Kessenich, one-sixth to R. M. C. Kessenich, one-sixth to T. G. Kessenich, and one-sixth to C. J. Kessenich. Rocket projectile. 2,579,323, Dec. 18.

Kessenich, Pauline C., assignee: *See*—
Kessenich, Gregory J.

Kessenich, Rose Mary C., assignee: *See*—
Kessenich, Gregory J.

Kessenich, Thomas G., assignee: *See*—
Kessenich, Gregory J.

Kessenich, William H., assignee: *See*—
Kessenich, Gregory J.

Ketchum, Arthur L., Park Ridge, assignor to Admiral Corporation, Chicago, Ill. Phonograph pickup. 2,578,809, Dec. 18.

Kilar, John F., Rahway, and J. H. V. Veer, Westfield, N. J., assignors, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Door operation and control. 2,578,810, Dec. 18.

King-Seeley Corporation, assignee: *See*—
Boddy, Leonard, and Atwood.

Kingsley, David G., Mountain Lakes, assignor to Stapling Machines Co., Rockaway, N. J. Box-part making machine. 2,578,936, Dec. 18.

Kinzelman, Gerald W., Chicago, Ill. Ammunition clip. 2,578,706, Dec. 18.

Klessig, Ernst F.: *See*—
Gardiner, Duncan B., and Klessig.

Kludt, August, Sioux Falls, S. Dak. Demountable clutch shaft. 2,579,191, Dec. 18.

Kober, Saul W., Flushing, N. Y. Embossing film and coatings produced from heat curable elastomers. 2,579,044, Dec. 18.

Koch, Frederick, Sparta, assignor to C. Todd, Rutherford, N. J., as trustee. Tapping unit having rapid traverse and controlled rate of feed. 2,579,081, Dec. 18.

Kocher, Daniel W., Columbus, Ohio, assignor, by mesne assignments, to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for producing fibrous material. 2,578,707, Dec. 18.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic structure for delaying propagated waves. 2,579,324, Dec. 18.

Koehler, John A., Miami, Fla. Two-man glass-cutting board or table. 2,578,811, Dec. 18.

Koenig, Anna C., assignee: *See*—
Koenig, Frederick A. G.

Koenig, Fred, Tottenville, N. Y. Gap gauge. 2,579,386, Dec. 18.

Koenig, Frederick A. G., assignor to A. C. Koenig, Chicago, Ill. Multiple column mechanical counter. 2,579,236, Dec. 18.

Kohl, Alexander, assignor of one-half to G. H. Sciaroni, Fresno, Calif. Suturing instrument. 2,579,192, Dec. 18.

Kolka, Alfred J., Birmingham, and H. D. Orloff, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Tetrachlorondipic acid. 2,578,656, Dec. 18.

Kollsman, Paul, New York, N. Y. Injection syringe. 2,578,812, Dec. 18.

Kollsman, Paul, New York, N. Y. Device for hypodermic injections. 2,578,813, Dec. 18.

Kollsman, Paul, New York, N. Y. Device for hypodermic injections. 2,578,814, Dec. 18.

Koppers Company, Inc., assignee: *See*—
Corson, Ben B., and Black, Robbins, Thomas E.

Kosbab, Harold W., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Mist trapping shield for lens surfacing machines. 2,579,193, Dec. 18.

Kramer, Lloyd M., Brainerd, Minn. Dispensing device. 2,579,083, Dec. 18.

Kramer, Robert, Carpentersville, Ill. Toolholder. 2,579,082, Dec. 18.

Krauss, Ralph A., Philadelphia, assignor to Anthracite Equipment Corporation, Wilkes-Barre, Pa. Hot gas agitator for heaters. 2,579,325, Dec. 18.

Kromer, Merle W., Euclid, Ohio, assignor to General Electric Company. Apparatus for making sectional wires. 2,579,117, Dec. 18.

Kroha, Curt W., Fort Walton, Fla. Cot. 2,579,263, Dec. 18.

Krohn, Harry W., Jr.: *See*—
Boyer, Ralph K., and Krohn.

Kronish, Joseph, Mount Vernon, N. Y. Nursing bottle nipple and shield therefor. 2,579,194, Dec. 18.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for vacuumizing, gassing, and closing, containers. 2,578,815, Dec. 18.

Kropa, Edward L.: *See*—
Thomas, Walter M., and Kropa.

Krotz, Alvin S., and R. C. Austin, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Constant level vehicle suspension. 2,579,084, Dec. 18.

Krueger, Alfred P., Stratford, and O. P. Erhardt, assignors to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing machine. 2,579,149, Dec. 18.

Kunin, Robert, Trenton, and F. X. McGarvey, Haddon Heights, N. J., assignor to Rohm & Haas Company, Philadelphia, Pa. Mixed bed deionization. 2,578,937, Dec. 18.

Kunin, Robert, Trenton, and F. X. McGarvey, Haddon Heights, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Deionization of sugar solutions. 2,578,938, Dec. 18.

Kurtz, John C., Irondequoit, and B. G. Gallasch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Focusing mechanism for microscopes. 2,579,195, Dec. 18.

Kvetinskas, Bruno: *See*—
Pines, Herman, and Kvetinskas.

Kyame, George J.: *See*—
Rusca, Ralph A., and Kyame.

Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Rotary printing machine frame structure. 2,579,264, Dec. 18.

Lambert, Paul, Paris, France. Installation for underground storage reservoirs for liquids nonmiscible with water. 2,579,005, Dec. 18.

Land, Charles W., Littleton, Colo. Two-wheel trailer automatic guide. 2,579,118, Dec. 18.

Lander, Raymond A., Jr., Rochester, N. Y. Airplane rudder and aileron control. 2,579,265, Dec. 18.

Landis & Gyr, A. G., assignee: *See*—
Indergand, Josef.

Lang, Charles A., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Shortening cutter. 2,579,326, Dec. 18.

Lange, Heinrich, Hamburg, Germany. Centrifugal actuator. 2,579,266, Dec. 18.

Langley, Thomas W.: *See*—
Jellis, Morgan, and Langley.

Langlois, Gordon E.: *See*—
Holm, Melvin M., and Langlois.

Langsett, Victor M., trustee, assignee: *See*—
Smith, Lawrence H.

Le Bozec, Léon, Courbevoie, and G. Gautier, Mesnil-le-Roi, France. Feed rain and safety device for water heaters. 2,579,387, Dec. 18.

Ledin, Theodore A., assignor to A. Finkl & Sons Co., Chicago, Ill. Differential heating apparatus for metal ingots and blocks. 2,578,890, Dec. 18.

Leland-Gifford Company, assignee: *See*—
Hirvonen, Eric J.

Leland Stanford Junior University, The Board of Trustees of The, assignee: *See*—
Hansen, William W., and Varian.

Leopold, Robert, Philadelphia, and A. Breau, Yeadon, Pa., assignors to Thermoscopic Spray Sales. Thermometer combined with spray head. 2,579,150, Dec. 18.

Lessard, Emery R., assignee: *See*—
Nicholson, Albert N.

Lester, Edward: *See*—
Davis, Lewis R., and Lester.

Ley, Harry, Chicago, Ill. Uniform cap. 2,579,196, Dec. 18.

Leverenz, Humboldt W., and I. J. Hegyi, Princeton, N. J., assignors to Radio Corporation of America. Material having improved magnetic property. 2,579,267, Dec. 18.

Levine, Samuel, Jackson Heights, N. Y. Venetian blind supporting bracket. 2,579,197, Dec. 18.

Levitt, Morton L., assignor to A. W. Petchaft, Clayton, Mo. Deodorant and antiseptic dispenser. 2,579,045, Dec. 18.

Lewis, Olin E., and L. C. Bussinger, O'Fallon, assignors of one-third to D. G. Fike, McCredie, Mo. Train order dispatch device. 2,578,891, Dec. 18.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Weinrich, Arthur R.

Libson, Philip, Brooklyn, N. Y. Finger support for nail polish application. 2,579,450, Dec. 18.

Lilly, Eli, and Company, assignee: *See*—
Rhodehamel, Harley W., Jr., and Fortune.

Lippmann, Arthur W.: *See*—
Lippmann, Edmund E. and A. W.

Lippmann, Arthur W., assignor to Lippmann Engineering Works, Milwaukee, Wis. Gyratory crusher. 2,579,238, Dec. 18.

Lippmann, Arthur W., assignor to Lippmann Engineering Works, Milwaukee, Wis. Gyratory crusher with mating friction and drag rings on head and inner shell. 2,579,239, Dec. 18.

Lippmann, Edmund E. and A. W., Milwaukee, Wis. Weighing and packaging apparatus. 2,579,237, Dec. 18.

Lippmann Engineering Works, assignee: *See*—
Lippmann, Arthur W.

Lloyd, Thomas D., Sun Valley, Calif. Piston holding attachment for vise jaws. 2,579,151, Dec. 18.

Locke, John P., University City, E. W. McLean, Webster Groves, and L. F. Bridge, Kirkwood, assignors to Remis Bro. Bag Company, St. Louis, Mo. Spool. 2,579,046, Dec. 18.

Locke Stove Company, assignee: *See*—
Esson, Edwin.

Lockley Machine Company, assignee: *See*—
Schindler, Harold C.

Lofdahl, Lyle J., Omaha, Nebr., and J. K. Gunther, Galesburg, assignors to Swift & Company, Chicago, Ill. Glycerin refining. 2,578,816, Dec. 18.

Logan, Henry A., Heflin, and C. N. Wilcher, Sr., Minden, La. Folding awning. 2,579,198, Dec. 18.

Longfellow, Earl E., assignor, by mesne assignments, to De Puy Manufacturing Company, Inc., Warsaw, Ind. Screw holding screw driver. 2,579,438, Dec. 18.

Lord, William E., Harlington, assignor to Electric and Musical Industries Limited, Hayes, England. Sound recording disk. 2,578,892, Dec. 18.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,578,708, Dec. 18.

Lowry, Robert R., Dayton, Ohio. Dispenser for either a measured or an unmeasured quantity of granular material. 2,579,388, Dec. 18.

Lucas, Joseph, Limited, assignee: *See*—
Ifield, Richard J.

Lum, Diamond W., Sacramento, Calif. Distributor timing indicator. 2,578,817, Dec. 18.

Lund, Nean, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency energy absorbing variable coupling device. 2,579,327, Dec. 18.

Lundy, Alvin S.: *See*—
Schneible, Claude B., and Lundy.

Luty, Donald J., Highland Park, Mich. Forced air flow air-heating furnace. 2,579,047, Dec. 18.

Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Flexible laminated trim panel. 2,578,709, Dec. 18.

Lynch Corporation, assignee: *See*—
Sandberg, Oscar.

Lynes, Roberts K., Birmingham, England. Casing or enclosure for water softening apparatus. 2,579,328, Dec. 18.

Lytle, Clark K., Fairfield, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Method and composition for reducing the amount of dross floating on spelter bath. 2,578,977, Dec. 18.

Mable Todd & Company Limited, assignee: *See*—
Sears, Edward S.

MacGregor Instrument Company, assignee: *See*—
Trumbour, George P., and Prater.

Mackey, E. Scudder, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Inhibiting color decomposition of dyes present in color photographs. 2,579,435, Dec. 18.

Mackey, E. Scudder, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Inhibiting the degradation of photographic color images. 2,579,436, Dec. 18.

Magerlein, Barney J.: *See*—
Weisblat, David I., Magerlein, and Hanze.

Magnetic Power, Inc., assignee: *See*—
Morrison, Willard L., Jr.

Maher, Joseph L.: *See*—
Glasgow, Clarence O., and Maher.

Mahoney, Thomas P., assignee: *See*—
Schmidt, Howard F.

Maizel, Ben L., and I. Gerson, assignors to Vico Products Company, Chicago, Ill. Riboflavin-lactic acid condensation products. 2,578,710, Dec. 18.

Malherbe, Johannes A. S., Delville, Germiston, Transvaal, Union of South Africa. Rock drill bit having hard inserts forming cutting edges. 2,579,268, Dec. 18.

Mandolf, Henry I., and S. W. Baker, San Diego, Calif. Variable tension drag for fishing reels. 2,578,978, Dec. 18.

Marcalus, Nicholas, West Englewood, N. J. Winding machine. 2,579,199, Dec. 18.

Marman Products Company, Inc., assignee: *See*—
Woolsey, Theodore A., and Houghton.

Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Bearing. 2,578,711, Dec. 18.

Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Fluid pressure bearing. 2,578,712, Dec. 18.

Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Fluid pressure bearing. 2,578,713, Dec. 18.

Martin, Bert W.: *See*—
Piazze, Thomas E., and Martin.

Martin, Harry W., Taft, Calif. Pump rod catching device. 2,578,818, Dec. 18.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Trimethylol phenol compound and derivatives thereof. 2,579,329, Dec. 18.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Methylol phenol unsaturated ethers. 2,579,330, Dec. 18.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Compositions containing methylol phenyl ethers. 2,579,331, Dec. 18.

Martin, Stephen J., Long Island City, assignor to Faximile, Inc., New York, N. Y. Sound and facsimile multiplex system. 2,578,714, Dec. 18.

Mason, James A., Beloit, Wis., assignor to Warner Electric Brake & Clutch Company. Magnetically controlled friction clutch. 2,578,715, Dec. 18.

Masoner, William J., Chicago, Ill. Tank hanger. 2,579,240, Dec. 18.

Massare, Quido P., Mansfield, Ohio, and H. E. Edwards, deceased, late of Mansfield, Ohio, by J. F. Edwards, executrix, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple-speed gear mechanism. 2,578,893, Dec. 18.

Mast, Lowell R., East Rochester, and W. T. Craig, Pittsford, assignors to Electromode Corporation, Rochester, N. Y. Controlled electric heater. 2,578,819, Dec. 18.

Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Wide band feed through stub. 2,579,152, Dec. 18.

Mattix, Emory D., and C. W. Stokes, assignors to Cities Service Refining Corporation, Lake Charles, La. Unloading system for volatile liquids. 2,579,200, Dec. 18.

Maurer, Paul H., Owosso, Mich., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Door operation and control. 2,578,894, Dec. 18.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven burner ignition and control. 2,578,718, Dec. 18.

Mayer, Charles M., and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Burner control mechanism. 2,578,717, Dec. 18.

Mayer, Eugene, Strasbourg, France. Apparatus for leveling or straightening metal sheets. 2,578,820, Dec. 18.

Mayer, Joseph W., and W. F. St. Clair, Troy, N. Y., assignors, by mesne assignments, to Autograf Brush & Plastics Co., Incorporated. Injection molding apparatus. 2,578,719, Dec. 18.

McBee, Earl T., La Fayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of fused-ring organic compounds with cobalt trifluoride. 2,578,720, Dec. 18.

McBee, Earl T., La Fayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of saturated halocarbons with manganese trifluoride. 2,578,721, Dec. 18.

McBrayer, Marvin L.: *See*—
Hall, Elmer S., Smith, and McBrayer.

McBride, Lewis M., Arcadia, Calif. Fluid projecting apparatus. 2,578,821, Dec. 18.

McCartney, Raymond F., G. E. Pellissier, and E. E. Wicker, Pittsburgh, Pa., assignors to United States Steel Company. Apparatus for determining coating thickness. 2,578,722, Dec. 18.

McCaw, Warren W.: *See*—
Nordenson, Willard H., and McCaw.

McCurdy, Everett D., trustee, assignee: *See*—
Brennan, Joseph B.

McDerment, Matthew C., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Air impeller. 2,579,119, Dec. 18.

McDonnell Aircraft Corporation, assignee: *See*—
Baldwin, Robert J.
Kallal, George W.

McGarvey, Francis X.: *See*—
Kunin, Robert, and McGarvey.

McGay, John B.: *See*—
Nicholson, George E., and McGay.

McKenzie, Samuel B., assignor to Connector Locks (Canada) Limited, Toronto, Ontario, Canada. Connector device. 2,578,723, Dec. 18.

McLean, Edmund W.: *See*—
Locke, John P., McLean, and Bridge.

McLean, Lawrence L., Butte, Mont. Can opener and sealer. 2,578,979, Dec. 18.

McMillion, Shelby C.: *See*—
Palermo, Blasey T., and McMillion.

Meengs, Ann A., Muskegon, and L. E. Hahn, Muskegon Heights, Mich. Combined hose and shoe guard. 2,578,895, Dec. 18.

Meissner, John F., La Grange, Ill., assignor to Hewitt-Robins Incorporated. Blending system. 2,579,153, Dec. 18.

Mende, Leslie: *See*—
Trevor, Rudolf, and Mende.

Mercer, Raymond L., Morenci, Mich. Valve cap gauge. 2,579,120, Dec. 18.

Merck & Co., Inc., assignee: *See*—
Sweet, Roger S., and Benson.

Mertler, Charles S., Mansfield, Ohio. Thermostatic switch. 2,579,389, Dec. 18.

Mertzweiller, Joseph K., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of high molecular weight unsaturated ethers. 2,578,724, Dec. 18.

Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Relay device. 2,579,269, Dec. 18.

Michel, Josef M., and K. F. Hager, Fort Bliss, Tex., assignors to the United States of America as represented by the Secretary of the Army. Protecting metals against corrosion. 2,578,725, Dec. 18.

Mielziner, Willard S., assignee: *See*—
Holmberg, Carl E., and Mungall.

Miles, George H., Hillside, New Barnet, England. Optical projection apparatus. 2,579,177, Dec. 18.

Miller, William T., Ithaca, N. Y., assignor to The M. W. Kellogg Company. Preparing solid polytrifluorochloroethylene. 2,579,437, Dec. 18.

Millis, Keith D.: *See*—
Gagnebin, Albert P., and Millis.

Mills, Elmer E., Highland Park, Ill. Making hollow articles. 2,579,390, Dec. 18.

Mills Industries, Incorporated, assignee: *See*—
Scherger, Milton H., and Terrill.

Mims, Philip B., Alexandria, Va. Foot scraper having gravity operated latch means. 2,579,006, Dec. 18.

Minarik, Rudolf G., and E. N. Isakson, assignors to Paper Patents Company, Neenah, Wis. In-place resurfacing of ponderous cylinders. 2,579,391, Dec. 18.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Miner, William W., Jr., N. Ray, and R. Owens, Verdon, Nebr. Inclined-axis hay mangler with rotor having twisted draft blades. 2,578,822, Dec. 18.

Minerals Separation North American Corporation, assignee: *See*—
Duke, James B.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Stanton, Leonard.

Mirfield, George E., Youngstown, and I. A. Colby, Hubbard, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Flying saw actuating mechanism. 2,578,825, Dec. 18.

Mittleburg, Solomon, Kew Gardens, N. Y. Disposable cart formed from wire. 2,579,392, Dec. 18.

Modrey, Henry J., Stanmore, England, assignor to Modrey Patents Corporation, County of Essex, N. J. Dishwashing, scouring, and polishing sink. 2,579,393, Dec. 18.

Modrey Patents Corporation, assignee: *See*—
Modrey, Henry J.

Moffats Limited, assignee: *See*—
Rinaldo, Walter.

Moisture Resister Company, assignee: *See*—
Hall, Elmer S., Smith, and McBrayer.

Molinari, Vittorio, Plainfield, and H. G. Affholter, Bound Brook, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of phenols. 2,578,823, Dec. 18.

Moloney, Raymond T., assignee: *See*—
Nicolaus, Frank G.

Monsanto Chemical Company, assignee: *See*—
Boyd, Thomas.
Eisen, John B.
Fraser, George L.
Park, Harold F., and Walter.

Moore, Bennett J.: *See*—
Isherwood, Henry G., and Moore.

Moore, George W., Twin Falls, Idaho. Combined scraper and cutter. 2,578,896, Dec. 18.

Moore, Howard R., Drexel Hill, Pa. Compressed gas bomb. 2,578,726, Dec. 18.

Moran Instrument Corporation, assignee: *See*—
Moran, Robert B., Jr.

Moran, Robert B., Jr., assignor to Moran Instrument Corporation, Pasadena, Calif. Telemetering. 2,578,939, Dec. 18.

Morgan, Porter S., Westport, assignor to The Connecticut Variable Gear Corporation, New Haven, Conn. Variable-speed power transmission. 2,579,085, Dec. 18.

Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Follow-up type servomotor. 2,578,727, Dec. 18.

Morris, Edward A., Santa Barbara, Calif. Current shut-off mechanism. 2,578,940, Dec. 18.

Morris, Rupert C.: *See*—
Scheibli, James R., Morris, and Shokal.

Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Adjustable switch for timers. 2,578,824, Dec. 18.

Morrison, Willard L., Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del. Flexible magnetic power take-off. 2,579,154, Dec. 18.

Motorola, Inc., assignee: *See*—
Schlesinger, Kurt.

Mrofka, Joseph J., Massillon, Ohio. Ironing board height adjuster. 2,578,826, Dec. 18.

Mungall, Thomas, Sr.: *See*—
Holmberg, Carl E., and Mungall.

Munnecke, Richard A., San Marino, Calif. Deodorizer. 2,578,827, Dec. 18.

Murray, Maurice J., Clarendon Hill, and W. S. Gallaway, Western Springs, assignors to Universal Oil Products Company, Chicago, Ill. Modifying unsaturated hydrocarbon drying oils. 2,579,007, Dec. 18.

Murray, Maxton F.: *See*—
Ott, Arnold C., and Murray.

Murray & Tregurtha, Inc., assignee: *See*—
Wanzer, Arthur W.

Musser, Clarence W., Glenside, Pa. Sealing and testing of tubes by hydraulic or pneumatic means. 2,578,728, Dec. 18.

Naps, Marguerite, Oakland, and F. E. Condo, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Interpolymers of unsaturated nitriles. 2,579,008, Dec. 18.

Nash-Kelvinator Corporation, assignee: *See*—
Bjorksten, Johan, Fiedler, and Yaeger.
Fiedler, Stuart O., Bjorksten, and Yaeger.
Philipp, Lawrence A.
Yaeger, Luther L.

National Acme Company, The, assignee: *See*—
Park, Allan J., and Dobes.

National Brass Company, assignee: *See*—
Young, Herbert.

National Pneumatic Co., Inc., assignee: *See*—
Kilar, John F., and Vander Veer.
Maurer, Paul H.
Turner, William C.

National Tank Company, assignee: *See*—
Glasgow, Clarence O., and Maher.

Nauheim, Samuel A., Flushing, N. Y. Beam compass. 2,579,121, Dec. 18.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Reed, John C., Jr.
Vine, Allyn C.

Nelson, Henry C., Jr., Schenectady, N. Y., assignor to General Electric Company. Increasing the viscosity of liquid resinous organopolysiloxanes. 2,579,332, Dec. 18.

Nelson, John W., assignor to The Upjohn Company, Kalamazoo, Mich. Extraction of hydrolyzed estrogens from urine. 2,578,729, Dec. 18.

Nelson, Walter R., Elmhurst, Ill. Ambulatory invalid chair. 2,578,828, Dec. 18.

New Britain Machine Company, The, assignee: *See*—
Angle, Glenn D.

Newell, Sidney W., Danville, assignor to The Union Diesel Engine Company, Oakland, Calif. Unitary starting and dynamic braking system for internal-combustion engines. 2,579,155, Dec. 18.

Niagara Alkali Company, assignee: *See*—
Stevenson, James K.

Nicholson, Albert N., assignor of one-sixth to J. W. Rackerby, Jr., one-sixth to E. R. Lessard, and one-sixth to J. C. Bloom, Santa Rosa, Calif. Refrigeration apparatus. 2,578,829, Dec. 18.

Nicholson, George E., and J. B. McGay, Tulsa, Okla., assignors, by mesne assignments, to Ohmer Corporation, Dayton, Ohio. Diaphragm. 2,578,730, Dec. 18.

Nicolaus, Frank G., Chicago, Ill., assignor to R. T. Moloney. Permutation and combination mechanism. 2,579,241, Dec. 18.

Nikawitz, Edward J.: *See*—
Gump, William S., and Nikawitz.

Noe, Myron E., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressor unloading valve. 2,579,439, Dec. 18.

Nordenson, Willard H., and W. W. McCaw, assignors to Deere Manufacturing Co., Dubuque, Iowa. Linked connector and making same. 2,579,394, Dec. 18.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Filling machine with reciprocating pistons operating within reciprocating measuring chambers. 2,578,732, Dec. 18.

Nordquist, Ronald E. J., Maplewood, N. J., and H. F. Cox, Jr., assignors to American Can Company, New York, N. Y. Container end assembling machine. 2,578,731, Dec. 18.

Nordquist, Ronald E. J., Maplewood, N. J., and J. E. Socke, Pelham Manor, assignors to American Can Company, New York, N. Y. Article conveying machine. 2,578,733, Dec. 18.

Norlund, O. A., Company, Inc., assignee: *See*—
Fisher, Gertrude F.

Norton, Leland D.: *See*—
Curtis, Roger C., and Norton.

Nor Velle, Robert L., Las Vegas, Nev., assignor to Dime-A-Wake, Inc. Check-controlled clock alarm. 2,579,009, Dec. 18.

No-Sag Spring Company, assignee: *See*—
Winters, Thomas F.

Novak, Izador J., Trumbull, Conn., and C. W. Palm, Manheim, Pa., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Asbestos yarn and production. 2,578,941, Dec. 18.

Novak, Mildred E., assignee: *See*—
Schmidt, Howard F.

Nutley, William B., trustee, assignee: *See*—
Randall, Walter H.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio-frequency navigation system. 2,578,980, Dec. 18.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Hydraulic angling mechanism for disk harrow gangs. 2,579,086, Dec. 18.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake & Clutch Company. Magnetically controlled friction clutch. 2,578,716, Dec. 18.

Ohio Crankshaft Company, The, assignee: *See*—
Strickland, Harold A., Jr.

Ohmer Corporation, assignee: *See*—
Nicholson, George E., and McGay.

Oliver, Tomas C., Seville, Spain. Steerable landing gear. 2,578,897, Dec. 18.

Onfrey, George R., assignor to Phillips Foundry Company, Bakersfield, Calif. Reversible disk plow for tractors. 2,578,942, Dec. 18.

Oppenheimer, Philip W., Yonkers, N. Y., and W. R. Cake, Rutherford, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Resorcinol recovery process. 2,579,122, Dec. 18.

Organ, Burnette L., Racine, Wis. Lighted fishing rod. 2,579,087, Dec. 18.

Orlik, Henry G., Camden, N. J., assignor to Radio Corporation of America. Electrolytic removal of metallic coatings from various base metals. 2,578,898, Dec. 18.

Orloff, Harold D.: *See*—
Kolka, Alfred J., and Orloff.

Ott, Arnold C., and M. F. Murray, assignors to The Upjohn Company, Kalamazoo, Mich. Dehalogenation of sterolds. 2,578,734, Dec. 18.

Owens, Roland: *See*—
Miner, William W., Jr., Ray, and Owens.

Pace, Anderson, Jr., Evanston, Ill., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Superstretching polyester structures. 2,578,899, Dec. 18.

Paddock Pool Maintenance Co., assignee: *See*—
Crawford, James B.

Palermo, Blasey T., and S. C. McMillion, assignors to R. P. Scherer Corporation, Detroit, Mich. Treating gelatin capsules and product resulting therefrom. 2,578,943, Dec. 18.

Palm, Clifford W.: *See*—
Novak, Izador J., and Palm.

Palmer, Robert T., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,579,440, Dec. 18.

Palmer, Robert T., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,579,441, Dec. 18.

Paper Patents Company, assignee: *See*—
Minarik, Rudolf G., and Isakson.

Pappazoglu, Constantin, Saint-Cloud, assignor to Compagnie Industrielle des Telephones, Paris, France. Rotary-switch stopping circuit. 2,579,333, Dec. 18.

Paragon Electric Company, assignee: *See*—
Morrison, David.

Pardee, William A.: *See*—
Warner, Benjamin R., and Pardee.

Pardee, William A., Fox Chapel, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Reactivation of silica-alumina catalysts by silica addition. 2,579,123, Dec. 18.

Park, Allan J., Lakewood, and M. J. Dobes, Euclid, assignors to The National Acme Company, Cleveland, Ohio. Solenoid actuated printing platen. 2,578,830, Dec. 18.

Park, Harold F., East Longmeadow, and H. A. Walter, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Polymerization of ethylenically unsaturated compounds with cyanuric triazide catalyst. 2,579,442, Dec. 18.

Park, Robert H., Pluckemin, N. J. Antiwear device for the mooring cables of submarine mines. 2,578,735, Dec. 18.

Parker, Barton W., Berkeley, Calif. Electronically operated soil sprinkling or irrigating system. 2,578,981, Dec. 18.

Partch, John G.: *See*—
Veatch, Franklin, and Partch.

Parvis, George W., Jr., Philadelphia, Pa. Container closure. 2,579,156, Dec. 18.

Pask, Stanley J., Flushing, assignor to Stanley J. Pask Associates, Inc., New York, N. Y. Germicidal cabinet. 2,579,242, Dec. 18.

Pask, Stanley J., Associates, Inc., assignee: *See*—
Pask, Stanley J.

Patterson, Vivian A., Shreveport, La. Detachable button or ornament. 2,579,124, Dec. 18.

Patterson, Ward S., Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc. Forced circulation steam generator. 2,578,831, Dec. 18.

Paul, William R., Amarillo, Tex. Automatic pressure control system for pneumatic tires. 2,579,048, Dec. 18.

Pearson, Paul E., assignor to Continental Can Company, Inc., New York, N. Y. Machine for packing small fish in cans. 2,578,833, Dec. 18.

Pearson, Paul E., New York, N. Y., and A. Treff, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Can body welding machine, including movable and rotatable electrode. 2,578,832, Dec. 18.

Pellissier, George E.: *See*—
McCartney, Raymond F., Pellisier, and Wicker.

Pendergast, George A., Chicago, Ill. Covering hood for paper rolls. 2,579,201, Dec. 18.

Penn Electric Switch Co., assignee: *See*—
Rothwell, John J., and Wagner.
Schell, Paul.

Perreau, Jules H., Paris, France. System for the reproduction of magnetic records. 2,579,125, Dec. 18.

Petchaft, Alfred W., assignee: *See*—
Levitt, Morton L.

Pfautsch, Raymond V., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Shutter mounting for ventilating duct outlets. 2,579,395, Dec. 18.

Pfrehm, Wilson H.: *See*—
Jackson, Vesper L., Pfrehm, and Danekas.

Phillipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Making refrigerator cabinets. 2,579,396, Dec. 18.

Phillips Foundry Company, assignee: *See*—
Onfrey, George R.

Phillips, H. Swank, executor: *See*—
Fisher, Gertrude F.

Phillips Petroleum Company, assignee: *See*—
Brownlow, Cecil L.
Kaveler, Herman H.
Craneck, Carl A.
Weber, Louis J.

Piazze, Thomas E., and R. W. Martin, Mount Vernon, Ohio, assignors to Shellmar Products Corporation, Chicago, Ill. Heat sealing tool. 2,579,088, Dec. 18.

Piccoli, Girolamo, Croton on Hudson, assignor to Faberge Inc., New York, N. Y. Perfume container and dispenser. 2,579,202, Dec. 18.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Multiple power plant, including an electric generator. 2,579,126, Dec. 18.

Pieper, Alphonse F., Brighton, N. Y. Strand guiding means for winding machinery. 2,579,011, Dec. 18.

Pijoan, Michel, United States Navy, R. D. Englert, H. J. Gerjovich, and M. L. Hopwood, Boulder, Colo. New insecticides. 2,578,736, Dec. 18.

Pines, Herman, and B. Kvetinskas, assignors to Universal Oil Products Company, Chicago, Ill. Hydrogenation of thiophenic compounds containing an unsaturated side chain. 2,579,010, Dec. 18.

Piper, Roger J., Princeton, Ill. Attachment for digging postholes and the like. 2,578,834, Dec. 18.

Pittsburgh Metallurgical Company, Inc., assignee: *See*—
White, Clark.

Pittsburgh Plate Glass Company, assignee: *See*—
Gerhart, Howard L.

Pityo, Albert F., Clifton, and H. E. Butterfield, Jr., Maplewood, N. J. Welding unit. 2,578,835, Dec. 18.

Plank, Norris, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif. Adjustable-rate differential pressure responsive device. 2,579,334, Dec. 18.

Plass, Robert H., Upper Montclair, N. J., assignor to The Daisy Products, Inc., New York, N. Y. Luggage reinforcing machine and method. 2,579,270, Dec. 18.

Polson, Allen E., Tallmadge, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,579,451, Dec. 18.

Polye, William R., River Edge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Temperature probe. 2,579,271, Dec. 18.

Porsche Konstruktionen G. m. b. H., assignee: *See*—
Rabe Karl.

Potier, Gaston, Versailles, and P. Cornet, assignors to Societe française Sadir-Carpentier, Paris, France. Electrical pulse generator. 2,578,982, Dec. 18.

Potter, James L., Highland Park, N. J., assignor, by mesne assignments, to General Bronze Corporation, New York, N. Y. Television and radio distribution system. 2,578,836, Dec. 18.

Power Jets (Research and Development) Limited, assignee: *See*—
Cohen, Henry, and Robson.
Stevens, Raymond K. P., and Cox.

Powers, Frank M., River Forest, Ill. Awning. 2,578,737, Dec. 18.

Pownall, George L., Cincinnati, Ohio. Refrigerator crisper. 2,579,335, Dec. 18.

Prater, Harlan L., Jr.: *See*—
Trumbour, George P., and Prater.

Precision Steel Warehouse, Inc., assignee: *See*—
Tinsley, George C.

Prendergast, Charles S.: *See*—
Prendergast, Richard S. and C. S., and Winters.

Prendergast, Richard S., Morden, C. S. Prendergast, Ashford Common, and E. T. Winters, Chiswick, London, England. Heater. 2,579,127, Dec. 18.

Price Building Specialties Co., assignee: *See*—
Price, Longueville H., Sr., and Scarlett.

Price, Longueville H., Sr., Atherton, and H. A. Scarlett, assignors to Price Building Specialties Co., San Francisco, Calif. Panel construction. 2,579,157, Dec. 18.

Price, Nathan C., St. Helena, Calif. Rotating combustion products generator and turbine of the continuous combustion type. 2,579,049, Dec. 18.

Price, Sybil, New York, N. Y. Head covering. 2,579,089, Dec. 18.

Pridham, Thomas G., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Biological production of riboflavin. 2,578,738, Dec. 18.

Primak, Adam, Milwaukee, Wis. Can opener. 2,578,983, Dec. 18.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Robb.

Putney, David H., assignor to Stratford Engineering Corporation, Kansas City, Mo. Gas-liquid contacting apparatus. 2,579,203, Dec. 18.

RPM Manufacturing Company, assignee: *See*—
Doyle, Joel G.

Rabe, Karl, assignor to Porsche Konstruktionen G. m. b. H., Gmund/Karnten, Austria. Synchronizing mechanism. 2,579,090, Dec. 18.

Rack, Alois J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized transistor trigger circuit. 2,579,336, Dec. 18.

Rackerby, Joseph W., Jr., assignee: *See*—
Nicholson, Albert N.

Rader, Claude, Kansas City, Mo. Finger stop for stringed instruments. 2,578,984, Dec. 18.

Radio Corporation of America, assignee: *See*—
Anderson, Leslie J.
Bollinger, Waldon P., Fuhrmeister, and Hill.
Hansell, Clarence W.
Leverenz, Humboldt W., and Hegyi.
Masters, Robert W.
Mesner, Max H.
Orlik, Henry G.
Reisner, John H., Jr.
Spencer, James A.
Stribling, Stiles C., Jr., Douglas, and Talmage.
Sziklai, George C.
Wald, Sidney, and Russo.
Weimer, Paul K.

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well packer. 2,578,900, Dec. 18.

Ralston, Arthur B., Kansas City, Mo. Jaw actuating means for tools. 2,579,272, Dec. 18.

Ramont, Raymond E., Los Angeles, Calif. Fruit cleaning machine. 2,578,944, Dec. 18.

Ramsay, William S., assignor, by mesne assignments, to Stark Ceramics, Inc., Canton, Ohio. Enameling of concrete materials. 2,579,050, Dec. 18.

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nutley, Portland, Maine, as trustees. Molded carton for fragile articles. 2,578,739, Dec. 18.

Randol, Glenn T., St. Louis, Mo. Automotive variable-speed transmission and control mechanism therefor. 2,578,740, Dec. 18.

Raney, William E., Lakewood, Ohio. Variable-speed drive. 2,578,837, Dec. 18.

Ray, Ned: *See*—
Miner, William W., Jr., Ray, and Owens.

Raybestos-Manhattan, Inc., assignee: *See*—
Novak, Izador J., and Palm.

Reaser, William A., Toledo, E. A. Ziems, Rossford, Ohio, and J. M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio. Machine for edge grinding plates. 2,579,337, Dec. 18.

Redi Products Corporation, assignee: *See*—
Schulz, Herman R.

Reed, John C., Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Crystal detector superregenerative receiver. 2,578,838, Dec. 18.

Reid, Allen F., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Production of radioactive isotopes. 2,579,243, Dec. 18.

Reiner, Ralph S., Steubenville, Ohio. Hanger cover. 2,578,741, Dec. 18.

Reisner, John H., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Magnetic lens for electron optical systems. 2,579,273, Dec. 18.

Rekar, Jay J., Bell, Calif. Toilet flushing valve. 2,579,012, Dec. 18.

Remington Rand Inc., assignee: *See*—
Crosman, Loring P.
Wilder, Marshall P.

Renstrom, Carl W., assignor to Tip-Top Products Company, Omaha, Nebr. Hair curler. 2,579,204, Dec. 18.

Renzoni, Louis S., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Nickel liberator cell. 2,578,839, Dec. 18.

Rhodehamel, Harley W., Jr., and W. B. Fortune, assignors to Eli Lilly and Company, Indianapolis, Ind. Streptomycin purification. 2,578,840, Dec. 18.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Stabilizer for tractor mounted implements. 2,579,274, Dec. 18.

Richman, Donald, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative wave-signal translating system. 2,579,338, Dec. 18.

Rifkin, Samuel: *See*—
Hepperlen, John A., and Rifkin.

Rigby, Francis L., Toronto, Ontario, Canada. Acid hydrolysis of proteins. 2,578,946, Dec. 18.

Rigby, Richard, Great Crosby, Liverpool, England, assignor to Shell Development Company, San Francisco, Calif. Heat exchanger. 2,578,945, Dec. 18.

Rinaldo, Walter, Toronto, assignor to Moffats Limited, Weston, Ontario, Canada. Hinge mechanism for range doors. 2,579,091, Dec. 18.

Rippon, Harold R., East Lynn, Mass., assignor to The Stanley Works, New Britain, Conn. Marking gauge. 2,579,205, Dec. 18.

Ritepoint Co., assignee: *See*—
Johnson, Clifford N.

Robb, Richard M.: *See*—
McBee, Earl T., and Robb.

Robbins, Thomas E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of aromatic amine thiocyanate-aldehyde condensation products. 2,578,742, Dec. 18.

Roberg, Theodore W., Storrs, Conn. Poultry crate closure. 2,579,128, Dec. 18.

Robertson, Nat C., and R. T. Allen, Corpus Christi, Tex., assignors to Celanese Corporation of America. Production of ethylene oxide. 2,578,841, Dec. 18.

Robson, Arthur R. D.: *See*—
Cohen, Henry, and Robson.

Rockwell, Chester A., assignor to Collins Radio Company, Cedar Rapids, Iowa. Intermittent translational device. 2,579,092, Dec. 18.

Rockwood, Arthur G.: *See*—
Holveck, Joseph E., and Rockwood.

Roesner, Siegmund, Roselle, Ill. Trap for rodents. 2,579,093, Dec. 18.

Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Handling fuels. 2,579,397, Dec. 18.

Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Handling fuels. 2,579,398, Dec. 18.

Rohm & Haas Company, assignee: *See*—
De Benneville, Peter L.
Kunin, Robert, and McGarvey.

Rollandenfabrik, A. Griesser A. G., assignee: *See*—
Griesser, Fritz.

Rollason, Sidney H., Coventry, England. Attachment for use in servicing screwthreading taps. 2,578,842, Dec. 18.

Rooksby, William H., Trafford Park, Manchester, assignor to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England. Stacking apparatus. 2,579,094, Dec. 18.

Rose, Howard E., Normandy, assignor to Alco Valve Company, University City, Mo. Unloader valve. 2,579,051, Dec. 18.

Rose Miller, George P., Barevan, Cawdor, Nairn, Scotland. Liquid feeding device. 2,579,339, Dec. 18.

Rosenthal, Allan, Brooklyn, N. Y. Making decorative articles. 2,578,743, Dec. 18.

Rothwell, John J., Elkhart, and L. B. Wagner, assignors to Penn Electric Switch Co., Goshen, Ind. Primary control for burners. 2,578,947, Dec. 18.

Rowan, C. L., assignee: *See*—
Wilson, Leonard.

Rudolph, Harold V.: *See*—
Allison, Leslie R., and Rudolph.

Ruekberg, Herbert S., Highland Park, Ill. Machine for making containers from plastic tubing. 2,579,399, Dec. 18.

Rumscheidt, Gottfried E.: *See*—
Goppel, Johan M., Rumscheidt, and Hackmann.

Rusca, Ralph A., and G. J. Kyame, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Method and apparatus for drying sized or otherwise impregnated textile material. 2,578,744, Dec. 18.

Russell, F. C., Company, The, assignee: *See*—
Bowers, Robert C.

Russell-Miller Milling Co., assignee: *See*—
Lang, Charles A.

Russo, John S.: *See*—
Wald, Sidney, and Russo.

Sachs, Carrol C., North Hollywood, and J. Bond, West Los Angeles, assignors to Alexander H. Kerr & Co., Los Angeles, Calif. Photopolymerization process and photopolymerizable compositions of matter. 2,579,095, Dec. 18.

Sadler, Henry R.: *See*—
French, Reginald F., and Sadler.

St. Clair, Wilbur F.: *See*—
Mayer, Joseph W., and St. Clair.

Samiran, David, Fort Wayne, Ind. Float valve for fuel systems. 2,578,745, Dec. 18.

Sampson, Lyle B., East Leroy, Mich. Apparatus for harvesting onions. 2,579,013, Dec. 18.

Samson, Otto A.: *See*—
Anderson, Henry W., Samson, and Clark.

Sandberg, Oscar, Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Package wrapping mechanism. 2,578,948, Dec. 18.

Sands, Hillard J., and N. E. Blanke, assignors to The Harvard Manufacturing Company, Cleveland, Ohio. Swing hinge. 2,579,206, Dec. 18.

Sauer, John C.: *See*—
Handy, Carleton T., and Sauer.

Saunders, Leonard: *See*—
Coats, Arnold C., and Saunders.

Savage Arms Corporation, assignee: *See*—
Dunham, George W.

Scalise, Frank, Harrisburg, Pa. Automatic tuner and time circuit control. 2,578,843, Dec. 18.

Scarlett, Henry A.: *See*—
Price, Longueville H., Sr., and Scarlett.

Scheib, John R., Lakewood, N. J. Slide fastener tool. 2,579,207, Dec. 18.

Scheibli, James R., San Lorenzo, R. C. Morris, Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Unsaturated esters of t-butyl benzoic acid, their polymers, and compositions. 2,578,950, Dec. 18.

Schell, Paul, Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Out-fire control switch. 2,578,949, Dec. 18.

Scherer, R. P., Corporation, assignee: *See*—
Palermo, Blasey T., and McMillion.

Scherger, Milton H., and E. B. Terrill, Jr., assignors to Mills Industries, Incorporated, Chicago, Ill. Fluid pump. 2,578,746, Dec. 18.

Scheu Manufacturing Company, assignee: *See*—
Scheu, Willis L.

Scheu, Willis L., Upland, Calif., assignor to Scheu Manufacturing Company. Heating system. 2,579,158, Dec. 18.

Schindler, Harold C., Euclid, Ohio, assignor, by mesne assignments, to Lockley Machine Company, New Castle, Pa. Garbage grinding device. 2,579,400, Dec. 18.

Schlatter, Alfred K., Francesville, Ind. Signal switch device. 2,578,844, Dec. 18.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Saw-tooth current generator. 2,579,014, Dec. 18.

Schmid, Leopold, Gmund, Karnten, Austria. Synchronizing device. 2,578,747, Dec. 18.

Schmidt, Howard F., assignor of one-eighth to W. J. Jason, one-eighth to T. P. Mahoney, one-eighth to M. E. Novak, San Diego, and one-eighth to G. T. Gerlach, Coronado, Calif. Flexible shaft switch-actuating means for kitchen mixer motors. 2,578,901, Dec. 18.

Schmidt, Philip J., East St. Louis, Ill. Screen wire tongs. 2,578,985, Dec. 18.

Schmidt, William, Chicago, Ill. Beating wing propelled aircraft. 2,578,845, Dec. 18.

Schmitz, Werner, Grenchen, Switzerland. Winding stem with removable crown. 2,579,340, Dec. 18.

Schneible, Claude B., Detroit, and A. S. Lundy, Huntington Woods, Mich.; said Lundy assignor to said Schneible. Gas treating apparatus and method. 2,579,401, Dec. 18.

Schoenbrod, Leslie K., assignor to Electro Manufacturing Corporation, Chicago, Ill. Plastic louver for fluorescent lights. 2,579,015, Dec. 18.

Schoenlaub, Robert A., assignor to Sylvester & Company, Cleveland, Ohio. Recovery of metallic oxides such as zirconia. 2,578,748, Dec. 18.

Schoepe, Harry: *See*—
Curtis, Myron S., and Schoepe.

Schofield, Hazen A., San Francisco, Calif. Shelving. 2,579,052, Dec. 18.

Scholz, Theodore F.: *See*—
Hultquist, Martin E., and Scholz.

Schoonenberg, Pancras, and P. van Zonneveld, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for manufacturing strip-like glass. 2,578,986, Dec. 18.

Schulstadt, Herbert H., Middletown, N. J. Dehydrator. 2,579,053, Dec. 18.

Schultz, Edward L., assignor to Endicott Johnson Corporation, Endicott, N. Y. Vamp lining for safety shoes. 2,578,987, Dec. 18.

Schultz, Henry J., Hayward, Calif., assignor to B. Walker. Venetian blind. 2,578,749, Dec. 18.

Schulz, Herman R., Altadena, assignor to Redi Products Corporation, Pasadena, Calif. Machine for packaging ice cream and similar frozen food products. 2,579,096, Dec. 18.

Schupp, Orion E., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of photographic emulsions. 2,579,016, Dec. 18.

Schweig, Julius A., Clayton, assignor to Security Fire Door Company, St. Louis, Mo. Elevator door control mechanism. 2,579,017, Dec. 18.

Schwenker, William A., Scotia, N. Y., assignor to General Electric Company. Preparation of phenylchlorosilanes. 2,579,341, Dec. 18.

Schwinn, Frank W., Chicago, Ill. Directed beam light unit. 2,579,018, Dec. 18.

Schwinn, Frank W., Chicago, Ill. Apparatus for brazing. 2,579,097, Dec. 18.

Schworm, Louis, Jr., Washington, D. C., assignor to Swormco, Inc. Soak pad. 2,579,275, Dec. 18.

Schworm, Louis, Jr., Washington, D. C., assignor to Swormco, Inc. Sleeping garment. 2,579,276, Dec. 18.

Sciaroni, George H., assignee: *See*—
Kohl, Alexander.

Scofield, Robert O., Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich. Cooling apparatus. 2,579,098, Dec. 18.

Scott, Ray W., Los Angeles, Calif. Apparatus for pressing out liquid. 2,579,054, Dec. 18.

Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker steel back isolation barrier. 2,578,750, Dec. 18.

Sears, Edward S., Bushey Heath, assignor to Mabie Todd & Company Limited, London, England. Fountain pen. 2,579,342, Dec. 18.

Security Fire Door Company, assignee: *See*—
Schweig, Julius A.

Segal, Abram, Ruell-Malmaison, France. Intermittent power supply system. 2,578,846, Dec. 18.

Seifried, Anton G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Applying wound covering to elastic thread. 2,579,244, Dec. 18.

Selby Shoe Company, The, assignee: *See*—
Eash, George H.

Shaver, Charles C., Logansport, Ind. Change maker. 2,578,951, Dec. 18.

Shell Development Company, assignee: *See*—
Anderson, Henry W., Samson, and Clark.
Endersby, Victor A.
Goppel, Johan M., Rumscheidt, and Hackmann.
Hearne, George W., Evans, and Buls.
Hinze, Julius O., and Stillebroer.
Joyce, John R.
Naps, Marguerite, and Condo.
Plank, Norris.
Rigby, Richard.
Scheibli, James R., Morris, and Shokal.
Smithuysen, Wilhelm C. B., and Eerbeek.
Te Nuyl, Johannus A.

Shellmar Products Corporation, assignee: *See*—
Plazze, Thomas E., and Martin.

Sheppard, Richard H., assignee: *See*—
Swam, Roland E. S.

Sherland, Mark E., Sr., McGehee, Ark. Retractable and folding toothbrush. 2,579,343, Dec. 18.

Sherry, Walter J., Orange, Calif. Window construction. 2,579,099, Dec. 18.

Shirley, Daniel R., De Quincy, La. Keeper mechanism. 2,578,848, Dec. 18.

Shokal, Edward C.: *See*—
Scheibli, James R., Morris, and Shokal.

Shonnard, Orlando D., Upper Montclair, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Graphite gun. 2,578,751, Dec. 18.

Sias, Frederick R., Marblehead, Mass., assignor to General Electric Company. Anemometer construction. 2,579,344, Dec. 18.

Silk, Philip B., London, England, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Hydraulic hopper discharge apparatus. 2,579,402, Dec. 18.

Silvia, Jeremiah, Dartmouth, Mass. Animal trap. 2,579,208, Dec. 18.

Sims, John C., Jr.: *See*—
Eckert, John P., Jr., Sims, and Auerbach.

Sinclair and Valentine Co.: *See*—
Cramer, George.

Singer Manufacturing Company, The, assignee: *See*—
McDerment, Matthew C.

Slade, Martin A., Jr., and R. D. Gerwe, Lakeland, Fla., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Controlling stem end decay of citrus fruits. 2,578,752, Dec. 18.

Slomowitz, Julius, Newark, N. J., and M. Del Conte, Brooklyn, N. Y. Medical bandage. 2,579,403, Dec. 18.

Small, Elmer C., Neodesha, Kans., assignor, by mesne assignments, to Archer-Daniels Midland Company. Hydraulic lift and dumping device. 2,578,849, Dec. 18.

Small, Elmer C., Neodesha, Kans., assignor, by mesne assignments, to Archer-Daniels Midland Company. Shredding rotor. 2,578,850, Dec. 18.

Smidl, Joseph J., Portland, Oreg. Characteristic accumulator for slide rule cursors. 2,579,019, Dec. 18.

Smith, Dale, Englewood, Ohio. Magnetically operated pump. 2,578,902, Dec. 18.

Smith, Dillon C., Jr.: *See*—
Keith, James F., and Smith.

Smith, Frederick G., Toronto, Ontario, Canada. Color shifting agents and using same. 2,579,020, Dec. 18.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, and M. L. Hill, Boothwyn, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating greases. 2,578,851, Dec. 18.

Smith, James N.: *See*—
Hall, Elmer S., Smith, and McBrayer.

Smith, Lawrence H., assignor to V. M. Langsett, Chicago, Ill., as trustee. Fire extinguisher. 2,579,100, Dec. 18.

Smith, Walter M., Jr.: *See*—
Handy, Wilbur Y., and Smith.

Smith, William G., Portland, Oreg. Massage device. 2,579,209, Dec. 18.

Smith, William H., Ease Molesey, England. Parachute load cushioning mechanism. 2,578,753, Dec. 18.

Smith, William H., East Molesey, England. Shock absorber. 2,578,903, Dec. 18.

Smithson, Ralph O., and C. F. Fitzgerald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Thread cutter for bobbin winders. 2,578,755, Dec. 18.

Smithuysen, Wilhelm C. B., and C. D. F. Eerbeek, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of chlorinated acetaldehydes and their acetal derivatives. 2,579,021, Dec. 18.

Smits, Wytze B., Voorburg, Netherlands; vested in the Attorney General of the United States. Sparking plug. 2,578,754, Dec. 18.

Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Tear tape. 2,579,443, Dec. 18.

Societe Anonyme des Usines Chausson, assignee: *See*—
Chausson, Gaston.

Societe Anonyme dite: "Societe Lamex," assignee: *See*—
Drelon, Remi.

Societe française Sadir-Carpentier, assignee: *See*—
Aribert, Charles.
Bodez, Pierre.
Potier, Gaston, and Cornet.

Socke, John E.: *See*—
Nordquist, Ronald E. J., and Socke.

Sokolik, Edward, New Brighton, Minn. Fishing bobber. 2,578,852, Dec. 18.

Spalding, A. G., & Bros. Inc., assignee: *See*—
Brown, William T.

Speier, Bender L., and F. I. Hamilton, Norwalk, Conn., assignors to United Shoe Machinery Corporation, Flemington, N. J. Toe forming machine. 2,578,756, Dec. 18.

Spencer, Carl L.: *See*—
Spencer, Jacob L., C. L., and J. B.

Spencer, J. B.: *See*—
Spencer, Jacob L., C. L., and J. B.

Spencer, Jacob L., Los Angeles, and C. L. and J. B. Spencer, South Gate, Calif. Spinning toy. 2,579,022, Dec. 18.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Telegraphic printing system. 2,579,101, Dec. 18.

Spicer, Curtis D., Warren, Pa., and A. F. Casler, East Cleveland, Ohio, assignors to General Electric Company. Apparatus for gauging and sorting lengths of tubing or rod. 2,579,129, Dec. 18.

Spier, Burton, New York, N. Y. Cleaning and annealing tank for dental inlays, castings, and the like. 2,579,210, Dec. 18.

Stamatoff, Gelu S., Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of chlorinated ethylene polymer. 2,578,904, Dec. 18.

Standard Oil Company, The, assignee: *See*—
Veatch, Franklin, and Partch.

Standard Oil Development Company, assignee: *See*—
Mertzweiller, Joseph K.
Roethell, Bruno E.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread storage reel. 2,578,905, Dec. 18.

Stanley Works, The, assignee: *See*—
Rippon, Harold R.

Stanton, Leonard, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring apparatus. 2,579,277, Dec. 18.

Stapling Machines Co., assignee: *See*—
Kingsley, David G.

Stark Ceramics, Inc., assignee: *See*—
Ramsay, William S.

Starr, Winfield J., Philadelphia, Pa. Roller screen. 2,579,159, Dec. 18.

Steiger, Norbert, Nutley, and O. Keller, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 2-tertiary-amino-6-(dialkylaminoalkoxy)-benzothiazoles and their manufacture. 2,578,757, Dec. 18.

Steiner, John, assignor to The Kelling Nut Co., Chicago, Ill. Preparing nuts for blanching. 2,579,245, Dec. 18.

Steinhelper, Louise F., executrix: *See*—
Fisher, Gertrude F.

Stevens, Raymond K. P., Farnham, and M. Cox, Cove, Farnborough, assignors to Power Jets (Research and Development) Limited, London, England. Regenerative heat exchanger. 2,579,211, Dec. 18.

Stevens, Raymond K. P., Farnham, and M. Cox, Cove, Farnborough, assignors to Power Jets (Research and Development) Limited, London, England. Heat exchanger. 2,579,212, Dec. 18.

Stevenson, George M., Baltimore, Md. Detector mechanism for capping machines. 2,579,404, Dec. 18.

Stevenson, James K., Columbus, Ohio, assignor, by mesne assignments, to Niagara Alkali Company, New York, N. Y. Alkoxychlorobenzenes as plasticizers for elastomers. 2,578,853, Dec. 18.

Stewart, John H. F., Mount Clemens, Mich. Artificial limb construction. 2,578,854, Dec. 18.

Stiber, Samuel, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Receiver attachment for instantaneous direction finders. 2,578,758, Dec. 18.

Stickels, Arthur E.: *See*—
Curtis, Raymond M., Brewer, and Stickels.

Stillebroer, Cornelis: *See*—
Hinze, Julius O., and Stillebroer.

Stites, John L.: *See*—
Stites, Loyal S. and J. L.

Stites, Loyal S. and J. L., Boise, Idaho. Spanner wrench for turning flywheels. 2,578,855, Dec. 18.

Stokes, Charles W.: *See*—
Mattix, Emory D., and Stokes.

Story, Hollis L. Paducah, Ky. Animal trap. 2,578,856, Dec. 18.

Straley, James M., and C. W. Wayman, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing polycarboxylated naphthalene derivatives. 2,578,759, Dec. 18.

Stratford Engineering Corporation, assignee: *See*—
Putney, David H.

Stribling, Stiles C., Jr., Haddonfield, W. T. Douglas, Jr., Oaklyn, and F. E. Talmage, Westmont, N. J., assignors to Radio Corporation of America. Complex signal measuring. 2,579,160, Dec. 18.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electric furnace and stock feeding means therefor. 2,578,760, Dec. 18.

Strickler, Allen: *See*—
Teeple, John H., and Strickler.

Stromberg-Carlson Company, assignee: *See*—
Gardner, Frederick H.

Stuckey, Warren A., M. Gregurich, and F. Tomasich, assignors to The Conlon-Moore Corporation, Joliet, Ill. Smokeless solid fuel heater with air-cooled cast metal secondary air conduit. 2,579,213, Dec. 18.

Sturgess, Inc., assignee: *See*—
Cushman, Clifford E.

Sturgis Posture Chair Company, assignee: *See*—
De Young, Verne J.

Sukacev, Lev, Washington, D. C. Self-heating containers. 2,579,405, Dec. 18.

Sumpter, Elmer S.: *See*—
Sumpter, Rudolph H. and E. S.

Sumpter, Rudolph H. and E. S., Hollywood, Calif. Carburetor. 2,578,857, Dec. 18.

Sun Tool & Machine Company, The, assignee: *See*—
Reaser, William A., Ziems, and Christman.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.

Swam, Roland E. S., assignor to R. H. Sheppard, Hanover, Pa. Automatic starting and stopping of diesel engines. 2,579,130, Dec. 18.

Sweet, Roger S., Highland Park, and W. L. Benson, Woodbridge, assignors to Merck & Co., Inc., Rahway, N. J. Alkanolamine salts of sulfaquinoxaline. 2,578,761, Dec. 18.

Swift & Company, assignee: *See*—
Lofdahl, Lyle J., and Gunther.
Trelease, Richard D.

Swormco, Inc., assignee: *See*—
Schworm, Louis, Jr.

Sylvester & Company, assignee: *See*—
Schoenlaub, Robert A.

Saikial, George C., Princeton, N. J., assignor to Radio Corporation of America. Amplifier band width control. 2,579,345, Dec. 18.

T. I. M. (Ticket-Issue Machines) Limited, assignee: *See*—
Ford, Harold F.

Talmage, Franklin E.: *See*—
Stribling, Stiles C., Jr., Douglas, and Talmage.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M.
Mayer, Charles M., and Hoff.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of mono-2-alkenyl ethers of saturated monohydric alcohols or phenols with esters of saturated monohydric alcohols or phenols and alpha-unsaturated aliphatic carboxylic acids. 2,579,079, Dec. 18.

Taylor, Clement F., Peabody, Mass., assignor to General Electric Company. Color temperature meter. 2,579,347, Dec. 18.

Taylor, James, Saltcoats, J. M. Holm, West Kilbride, and A. C. Hutchison, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Fumigating compositions. 2,578,858, Dec. 18.

Taylor, James Y., Garland, Tex. Support for table for projectors or the like. 2,579,348, Dec. 18.

Taylor, Joseph, Oklahoma City, Okla. Burglar alarm and trap. 2,579,214, Dec. 18.

Taylor, Walter E., Pascola, Mo. Bale weight gauge. 2,579,444, Dec. 18.

Teague, George F., assignor to Whiting Hosiery Mills, Inc., Hickory, N. C. Needle selector mechanism for knitting machines. 2,579,161, Dec. 18.

Tebbs, George W., Woodford Green, assignor to Headley Townsend Backhouse, Wentworth, Surrey, England. Front edge detector mechanism for use in sheet feeding apparatus. 2,579,406, Dec. 18.

Teeple, John H., Caldwell, N. J., and A. Strickler, Los Angeles, Calif., assignors to Celanese Corporation of America, New York, N. Y. Light directing means in a system for measuring thickness of transparent sheets. 2,578,859, Dec. 18.

Ten Hoeve Brothers, assignee: *See*—
Vreeland, Cornelius D., Jr.

Tennessee Coal, Iron and Railroad Company, assignee: *See*—
Lytle, Clark K.

Te Nuyl, Johannus A., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Wide range liquid fuel burner and method for increasing adjustability range of whirl-type atomizing burners. 2,579,215, Dec. 18.

Terrill, Earl B., Jr.: *See*—
Scherger, Milton H., and Terrill.

Tetzlaff, Clarence, Riverside, Ill. Band-tightening instrumentality for hose clamps. 2,578,860, Dec. 18.

Theander, Per O., Goteborg, Sweden. Self-locking box. 2,579,346, Dec. 18.

Thermoscopic Spray Sales, assignee: *See*—
Leopold, Robert, and Breau.

Thomas, Floyd H., Milan, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Impact wrench. 2,579,278, Dec. 18.

Thomas, Frank S., Jr., assignor to Development Corporation, Inc., St. Louis, Mo. Fuel pump apparatus and method. 2,579,023, Dec. 18.

Thomas, Walter M., Springdale, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Unsaturated dioxolane compounds, products prepared therefrom, and preparation. 2,578,861, Dec. 18.

Thompson, Arthur M., Chicago, Ill. Rotary wing aircraft. 2,579,055, Dec. 18.

Thompson, Arthur M., Chicago, Ill. Ventilating system for refrigerator mechanisms. 2,579,056, Dec. 18.

Thompson, John W.: *See*—
Walter, Paul R., and Thompson.

Thomsen, Christoph N. J., deceased, Taunus; by G. Thomsen, administratrix. Kelkheim-Münster im Taunus, assignor to Farbwerk Hoechst vormals Meister Lucius & Bruning, Frankfurt (Main), Hoechst, Germany. Tanning agents and preparing them. 2,579,216, Dec. 18.

Thomsen, Gertrud, administratrix: *See*—
Thomsen, Christoph N. J.

Thornburg, Herbal A., and G. D. Conrad, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Operating lever. 2,579,102, Dec. 18.

Time, Incorporated, assignee: *See*—
Faeber, Harry W.

Tims, Tony C., Hyattsville, Md. Ladder jack. 2,578,862, Dec. 18.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Sheet metal spring clip. 2,579,279, Dec. 18.

Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.

Tinsley, George C., Glen Ellyn, assignor to Precision Steel Warehouse, Inc., Chicago, Ill. Dispensing container for coiled wire. 2,579,131, Dec. 18.

Tip-Top Products Company, assignee: *See*—
Renstrom, Carl W.

Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,578,906, Dec. 18.

Todd, C., trustee, assignee: *See*—
Koch, Frederick.

Toledo Scale Company, assignee: *See*—
Hart, Norman E.
Williams, Lawrence S.

Tomasich, Frank: *See*—
Stuckey, Warren A., Gregurich, and Tomasich.

Topeka Tent & Awning Co., assignee: *See*—
Bell, Edwin F.

Torgeson, Edward, Grygla, Minn. Animal trap. 2,578,762, Dec. 18.

Townsend Engineering Company, assignee: *See*—
Townsend, Ray T.

Townsend, Ray T., assignor to Townsend Engineering Company, Des Moines, Iowa. Hold-down attachment for skinning machines. 2,578,952, Dec. 18.

Traver, Philip C., Sr., assignor of fifty per cent to H. Forman, Far Rockaway, N. Y. Antiskid chain attaching means. 2,579,057, Dec. 18.

Trbojevich, Nikola, Cleveland, Ohio. Constant velocity universal joint. 2,578,763, Dec. 18.

Trbojevich, Nikola, Cleveland, Ohio. Constant velocity universal joint. 2,578,764, Dec. 18.

Treff, Alfred: *See*—
Pearson, Paul E., and Treff.

Trelease, Richard D., assignor to Swift & Company, Chicago, Ill. Individual poultry feeding unit. 2,578,863, Dec. 18.

Tre-Mend Novelty Corp., assignee: *See*—
Trevor, Rudolf, and Mende.

Trevor, Rudolf, and L. Mende, assignors to Tre-Mend Novelty Corp., New York, N. Y. Musical holding device. 2,579,024, Dec. 18.

Trimble, Roy L., and J. C. Hanna, assignors to Hanna Engineering Works, Chicago, Ill. Shock absorber pistor assembly. 2,579,058, Dec. 18.

Trumbour, George P., Needham, and H. I. Prater, Jr., Wellesley Hills, assignors to MacGregor Instrument Company, Needham, Mass. Inhaler. 2,579,280, Dec. 18.

Tubing Appliance Company, Inc., assignee: *See*—
Fish, Herbert L.

Tuck, James A., New York, N. Y. Electrically actuated slide projector with remote control. 2,579,281, Dec. 18.

Tuck, Joseph H.: *See*—
Cook, Wilfred J., and Tuck.

Tupper, Earl S., Upton, Mass. Seal for flexible containers. 2,578,864, Dec. 18.

Tupper, Earl S., Upton, Mass. Atomizer case. 2,578,907, Dec. 18.

Turner, Clarence M., Richmond, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrostatic generator. 2,578,908, Dec. 18.

Turner, John, Boston, Mass. Broken strand indicator. 2,579,407, Dec. 18.

Turner, William C., Rahway, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Door operation and control. 2,578,909, Dec. 18.

Turners Asbestos Cement Company Limited, assignee: *See*—
Rooksby, William H.

Tyrrell, Emmet R., Youngstown, Ohio, assignor to Fessler Machine Company, Sharon, Pa. Metal strip uncoiler. 2,578,953, Dec. 18.

Tyzzer, Howard J., Mountain Lakes, assignor to Ferris Instrument Laboratories, Boonton, N. J. Harmonic electrical alternating-current generation. 2,579,217, Dec. 18.

Union Carbide and Carbon Corporation, assignee: *See*—
Hamister, Victor C.
Molinari, Vittorio, and Affholter.

Union Diesel Engine Company, The, assignee: *See*—
Newell, Sidney W.

United Shoe Machinery Corporation, assignee: *See*—
Ashworth, Fred.
Smithson, Ralph O., and Fitzgerald.
Speler, Bender L., and Hamilton.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Baker, William R.
Borst, Lyle B., and Fox.
Goldberg, Harold D., and M. I.
Hubbard, Deane O.
Kerns, Quentin A.
Reid, Allen F.
Turner, Clarence M.

U. S. Electrical Motors, Inc., assignee: *See*—
Evans, William M.

United States Instrument Corporation, assignee: *See*—
Barry, Leon G.

United States Rubber Company, assignee: *See*—
Tawney, Pliny O.

United States Sheetwood Company, assignee: *See*—
Goss, Worth C.

United States Steel Company, assignee: *See*—
McCartney, Raymond F., Pellissier, and Wicker.

Universal Oil Products Company, assignee: *See*—
Murray, Maurice J., and Gallaway.
Pines, Herman, and Kvetinskas.

Upjohn Company, The, assignee: *See*—
Nelson, John W.
Ott, Arnold C., and Murray.
Weisblat, David I., Magerlein, and Hanze.

Uraneck, Carl A., Borger, Tex., assignor to Phillips Petroleum Company. Polymerization of vinyl compounds in the presence of heterocyclic nitrogen compounds as activators. 2,578,910, Dec. 18.

Vanadia, Frank, Mount Vernon, N. Y. Sewing machine with chain stitch cutter. 2,579,059, Dec. 18.

Vanadium Corporation of America, assignee: *See*—
Dawe, Charles N.

Vander Valk, Christy J., Clifton, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Vinyl polymer compositions containing as a plasticizer an ester of a pentaerythritol hydroxyalkyl ether. 2,579,219, Dec. 18.

Vander Veer, John H.: *See*—
Kilar, John F., and Vander Veer.

Van Deventer, Frank M., Westfield, N. J., assignor, by mesne assignments, to Walworth Company, New York, N. Y. Adjustable loading device for valves and the like. 2,579,218, Dec. 18.

Van Donselaar, Henry, Grinnell, Iowa. Trenching machine. 2,579,025, Dec. 18.

Van Horn, Earl, Mineola, N. Y. Roller skate. 2,578,911, Dec. 18.

Van Leuven, Karl, Jr., Hollywood, assignor to Ina Yoakum, Los Angeles, Calif. Brassière. 2,578,954, Dec. 18.

Van Valkenburgh, Edward A., Greene, N. Y. Composition of tall oil and aromatic oil and making it. 2,578,955, Dec. 18.

Van Zonneveld, Pieter: *See*—
Schoonenberg, Pancras, and van Zonneveld.

Varian, Russell H.: *See*—
Hansen, William W., and Varian.

Vasey, Charles H.: *See*—
Boon, William R., Carrington, and Vasey.

Vaughan, James A., Marshalltown, Iowa. Spraying apparatus. 2,579,132, Dec. 18.

Veatch, Franklin, and J. G. Partch, assignors to The Standard Oil Company, Cleveland, Ohio. Machining fluid. 2,578,865, Dec. 18.

Veneklasen, Paul S., Monrovia, assignor to Altec Lansing Corporation, Los Angeles, Calif. Shielded condenser microphone. 2,579,162, Dec. 18.

Vervest, Wilhelmus L.: *See*—
Bergmans, Jan, and Vervest.

Vetter, Paul, assignee: *See*—
Georgeson, Albin M.

Vicard, Pierre G., Lyon, France. Device for the treatment of gases. 2,579,282, Dec. 18.

Vickers Incorporated, assignee: *See*—
Gardiner, Duncan B., and Klessig.

Vico Products Company, assignee: *See*—
Maizel, Ben L., and Gerson.

Vine, Allyn C., Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Apparatus for indicating ballast changes necessary to maintain submersed submarines in trim. 2,579,220, Dec. 18.

Vines, Sterling N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of lysine monohydrochloride. 2,579,283, Dec. 18.

Vistain, James E., Jr., assignor to Admiral Corporation, Chicago, Ill. Plural needle pickup apparatus. 2,578,866, Dec. 18.

Vreeland, Cornelius D., Jr., assignor to Ten Hoeve Brothers, Paterson, N. J. Air blow gun valve. 2,579,408, Dec. 18.

Vrooman, Edward C., Schenectady, N. Y., assignor to General Electric Company. Speed indicating device. 2,579,349, Dec. 18.

Vulcan Radiator Company, The, assignee: *See*—
Downs, Bernard I.

Wagner, Leland B.: *See*—
Rothwell, John J., and Wagner.

Wagner, Robert W., Chelsea, Mich. Power take-off. 2,578,867, Dec. 18.

Wakefield, C. C., & Company Limited, assignee: *See*—
Evans, Elliott A., and Elliott.

Wald, Sidney, Collingswood, N. J., and J. S. Russo, Philadelphia, Pa., assignors to Radio Corporation of America. Electronic timing device. 2,579,163, Dec. 18.

Walker, Brooks, assignee: *See*—
Schultz, Henry J.

Walker, Brooks, Piedmont, Calif. Venetian blind. 2,578,766, Dec. 18.

Wallace, William, Lakewood, Ohio. Caulking gun. 2,578,765, Dec. 18.

Walter, Carlyle D., Porter County, Ind. Circular fluorescent lighting apparatus to replace an incandescent lamp in stand lamps. 2,579,026, Dec. 18.

Walter, Henry A.: *See*—
Park, Harold F., and Walter.

Walter, Paul R., East Orange, N. J., and J. W. Thompson, Weymouth Heights, Mass., assignors to Combustion Engineering-Superheater, Inc. Overheat protection for steam reheaters. 2,579,027, Dec. 18.

Walworth Company, assignee: *See*—
Van Deventer, Frank M.

Wanzer, Arthur W., assignor to Murray & Tregurtha, Inc., Quincy, Mass. Outboard propeller mechanism. 2,579,221, Dec. 18.

War, United States of America as represented by the Secretary of, assignee: *See*—
Whitson, William L.

Warburton, Ray W., Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,579,445, Dec. 18.

Warner, Benjamin R., Chicago, Ill., and W. A. Pardee, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Reactivating a silica-alumina catalyst by impregnation with boria. 2,579,133, Dec. 18.

Warner Electric Brake & Clutch Company, assignee: *See*—
Mason, James A.
Oetzel, John G.

Warner & Swasey Company, The, assignee: *See*—
Curtis, Myron S., and Schoepe.

Warren, Manfred M., assignee: *See*—
Hollaway, Roy L.

Warrick, Arthur M., Cleveland, Ohio. Curtain stretcher. 2,578,868, Dec. 18.

Washburn, Neil E., assignor to Admiral Corporation, Chicago, Ill. Electronic measuring device. 2,578,869, Dec. 18.

Waters, Lawrence W., Ontario, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Apparatus for removing cans from cartons. 2,578,912, Dec. 18.

Wauson, Horace C., and W. E. Bennett, Jr., assignors of one-half to Gulf Publishing Company, Houston, Tex. Duplex rail assembling elevator. 2,579,060, Dec. 18.

Wayman, Clyde W.: *See*—
Straley, James M., and Wayman.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Furnace. 2,579,350, Dec. 18.

Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.

Webster, Richard R.: *See*—
Work, Harold K., and Webster.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Isocon pickup tube. 2,579,351, Dec. 18.

Weinrich, Arthur R., Brackenridge, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Forming metallic oxide coatings upon siliceous support articles. 2,578,956, Dec. 18.

Weisblat, David I., B. J. Magerlein, and A. R. Hanze, assignors to The Upjohn Company, Kalamazoo, Mich. Folic acid intermediates. 2,578,767, Dec. 18.

Wellman Smith Owen Engineering Corporation Limited, The, assignee: *See*—
Kay, Ignatius.

West, Richard A., Dullatur, Dumbarton, Scotland, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for electric motors. 2,578,988, Dec. 18.

Westinghouse Air Brake Company, assignee: *See*—
Allison, Leslie R., and Rudolph.
Gilson, Robert M., and Hedding.

Westinghouse Electric Corporation, assignee: *See*—
Massare, Quido P., and Edwards.
Noe, Myron E.
Palmer, Robert T.
Tobey, Raymond E.
Warburton, Ray W.

White, Clark, Charleston, S. C., assignor to Pittsburgh Metallurgical Company, Inc., Niagara Falls, N. Y. Furnace charger. 2,579,409, Dec. 18.

White, William C., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for the quantitative measurement of impurities in an atmosphere. 2,579,352, Dec. 18.

Whiting Hosiery Mills, Inc., assignee: *See*—
Teague, George F.

Whitman, Gerald M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorination of hydrocarbons. 2,578,913, Dec. 18.

Whittaker, Karl F., Seattle, Wash. Dumping type of grass catcher for lawn mowers. 2,579,103, Dec. 18.

Whitson, William L., Oak Ridge, Tenn., assignor to the United States of America as represented by the Secretary of War. Mirror mounting for optical instruments and fine angular adjustment means therefor. 2,578,768, Dec. 18.

Wicker, Everett E.: *See*—
McCartney, Raymond F., Pellissier, and Wicker.
Wilcher, Claudius N., Sr.: *See*—
Logan, Henry A., and Wilcher.
Wilder, Marshall P., Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y. Sealing glass to metal. 2,579,222, Dec. 18.
Williams, Edmond G.: *See*—
Burness, Alexander, and Williams.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Pivot and bearing. 2,578,957, Dec. 18.
Willman, Walter, St. Petersburg, Fla., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 2,579,353, Dec. 18.
Wilson, Leonard, Houston, assignor to C. L. Rowan, Tarrant County, Tex. Clothes drier. 2,578,870, Dec. 18.
Windgassen, Richard, Pittsburgh, Pa. Window chair. 2,579,164, Dec. 18.
Wingfoot Corporation, assignee: *See*—
Carson, Clarence M.
Clifford, Albert M.
Ford, Charles J.
Gehman, Samuel D.
George, Everett D.
Gleim, Clyde E.
Snyder, James E.
Winters, Edward T.: *See*—
Prendergast, Richard S., C. S., and Winters.
Winters, Thomas F., Detroit, assignor to No-Sag Spring Company, Warren Township, Mich. Spring strip. 2,578,958, Dec. 18.
Wirsig, Leo H., Deepwater, Mo. Portable folding stool. 2,578,989, Dec. 18.
Wisconsin Alumni Research Foundation, assignee: *See*—
Daniels, Farrington, Hendrickson, and Foster.
Woldring, Egbert, assignor to Arrow Products, Grand Rapids, Mich. Power tension elevating device. 2,578,871, Dec. 18.
Woodruff, Arthur B.: *See*—
Harrold, Charles W., and Woodruff.
Woodruff, Roy P., Vallejo, Calif. Retractable steering knob. 2,579,165, Dec. 18.
Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of hydrogen cyanide and their preparation. 2,579,061, Dec. 18.
Woolsey, Theodore A., Pasadena, and H. D. Houghton, Los Angeles, assignors to Marman Products Company, Inc., Inglewood, Calif. Clamp. 2,579,104, Dec. 18.
Work, Harold K., Pelham, N. Y., and R. B. Webster, Beaver, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Manufacture of Bessemer steel having reduced strain sensitivity. 2,578,872, Dec. 18.
Worthington Pump and Machinery Corporation, assignee: *See*—
Holveck, Joseph E., and Rockwood.
Worthington, Wayne H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Valve control means for fluid pressure system. 2,579,134, Dec. 18.
Wurster, Norma M., Hobart, Ind. Nether garment for babies. 2,578,769, Dec. 18.
Yaeger, Luther L.: *See*—
Bjorksten, Johan, Fiedler, and Yaeger.
Fiedler, Stuart O., Bjorksten, and Yaeger.
Yaeger, Luther L., Hammond, Ind., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Coating composition and polystyrene surface coated therewith. 2,578,770, Dec. 18.
Yarborough, Joel E., assignor to The George E. Failing Supply Company, Enid, Okla. Hydraulic system for drilling rigs. 2,578,959, Dec. 18.
Yoakum, Ina, assignee: *See*—
Van Leuven, Karl, Jr.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Electric alarm clock. 2,579,166, Dec. 18.
Young, Herbert, assignor to National Brass Company, Grand Rapids, Mich. Latch case. 2,578,873, Dec. 18.
Youngstown Sheet and Tube Company, The, assignee: *See*—
Mirfield, George E., and Colby.
Zaikoski, Bernard, St. Petersburg, Fla. Fishing float. 2,578,874, Dec. 18.
Zang, Myer, London, England. Moving figure toy. 2,579,246, Dec. 18.
Zanitis, Vit, assignor to Fort Wayne Dairy Equipment Company, Fort Wayne, Ind. Conveyer chain link. 25,79,410, Dec. 18.
Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Closure fastener. 2,579,354, Dec. 18.
Zerbee, Louis J., Bellefontaine, Ohio. Resilient cushion. 2,579,284, Dec. 18.
Ziems, Elmer A.: *See*—
Reaser, William A., Ziems, and Christman.
Zint, George, Wapakoneta, Ohio. Typewriter for writing continuously in opposite directions. 2,578,771, Dec. 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption refrigeration. W. G. Kogel. Re. 23,442, Dec. 18.
Aircraft cabin pressure regulating means. W. D. Teague, Jr. Re. 23,445, Dec. 18.
Engine with starting means and starting same, Supercharged internal-combustion. F. Nettel. Re. 23,444, Dec. 18.
Interference reducing radio impulse receiver. C. W. Earp. Re. 23,440, Dec. 18.
Producing ethers and esters of carbohydrates. J. Lolkema. Re. 23,443, Dec. 18.
Washing machine, Disappearing wringer. G. M. Gibson. Re. 23,441, Dec. 18.

LIST OF PLANT INVENTIONS

Apricot tree. D. A. Moore. 1,053, Dec. 18.
Poinsettia plant. P. Ecke. 1,055, Dec. 18.
Rose plant. P. Shamburger. 1,054, Dec. 18.

LIST OF DESIGN INVENTIONS

Ash tray. C. P. Oakley. 165,481, Dec. 18.
Ash tray or the like. O. Andresen. 165,409, Dec. 18.
Bottle, Serving. M. A. Weisbrot. 165,499, Dec. 18.
Brooch or the like. A. Katz. 165,460–8, Dec. 18.
Buckle or similar article, Belt. J. R. Craighead. 165,413, Dec. 18.
Cabinet for an air-conditioning unit or similar article. W. D. Teague and R. H. Ensign. 165,494, Dec. 18.
Cabinet, Sewing. A. I. Ekstrom. 165,418, Dec. 18.
Calendar stand or similar article. C. N. Montanye. 165,477–9, Dec. 18.
Case, Clock. R. M. Babel. 165,410, Dec. 18.
Casing for a piano or similar article. J. Barofsky. 165,411, Dec. 18.
Chair for viewing television. J. C. Lamm. 165,472, Dec. 18.
Chair, Theater loge. A. C. Hoven and W. E. Nordmark. 165,457, Dec. 18.
Clasp, Collar. W. L. Mitchell. 165,476, Dec. 18.
Clockcase or similar article. A. Levy. 165,474, Dec. 18.
Coagulator. C. R. Storz, Jr. 165,493, Dec. 18.
Deck of playing cards. E. Zeeven. 165,501, Dec. 18.
Doll display package. R. E. Smith. 165,490, Dec. 18.
Doll, Winged. L. Katz. 165,469, Dec. 18.
Electric drill unit, Portable. R. K. Davis. 165,415, Dec. 18.
Fabric, Narrow woven. C. S. Wackerman. 165,498, Dec. 18.
Fender guide. J. O. Thibault. 165,495, Dec. 18.
Fountain. C. G. Krantos. 165,471, Dec. 18.
Golf club head. W. H. Jacobs. 165,458, Dec. 18.
Grill, Picnic. W. P. and N. R. Miller, and R. E. Williams. 165,475, Dec. 18.
Handbag. T. Rosenberg and H. T. Silverman. 165,483, Dec. 18.
Handbag. J. Stakofsky. 165,492, Dec. 18.
Handle for a refrigerator door latch. C. W. Sanders. 165,484, Dec. 18.
Hobbyhorse. R. M. Spangler. 165,491, Dec. 18.
Hobbyhorse head. E. Porozynski. 165,482, Dec. 18.
Holder for racing programs or the like. A. D. and H. W. Bernstein. 165,412, Dec. 18.
Homogenizer. R. A. Yohpe. 165,500, Dec. 18.
Instrument, Indicating. P. S. Dickey and H. H. Gorrie. 165,416, Dec. 18.
Jar and cover or similar article, Combined. S. J. Shepard. 165,489, Dec. 18.
Kettle unit for popcorn machines. S. M. Waas. 165,497, Dec. 18.
Lamp, Table. E. A. Kramer. 165,470, Dec. 18.
Lighter, Cigarette. A. Dubsky. 165,417, Dec. 18.
Manicure kit. S. S. Joslyn. 165,459, Dec. 18.
Memorial statuette. C. Savoca. 165,485, Dec. 18.
Ornament, Ear. E. M. Trott. 165,496, Dec. 18.
Plate, Compartmented. T. M. Harris. 165,423, Dec. 18.
Playsuit. T. Leser. 165,473, Dec. 18.
Poster panel. C. H. Hammond. 165,421–2, Dec. 18.
Projector case or the like. E. H. Nelson. 165,480, Dec. 18.
Stapling machine. S. A. Crosby and R. B. Vail. 165,414, Dec. 18.
Stocking. R. E. Schletter. 165,486–7, Dec. 18.
Tablecloth. H. D. Hooven. 165,424–56, Dec. 18.
Tool grinder, Twin-wheel. J. J. Falls. 165,419, Dec. 18.
Toy automobile. H. Sebel. 165,488, Dec. 18.
Toy machine gun. C. F. Gladen. 165,420, Dec. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerators for addendum type resins. H. L. Gerhart. 2,578,690, Dec. 18.
Acid hydrolysis of proteins. F. L. Rigby. 2,578,946, Dec. 18.
Addition product of diester of dithiophosphoric acid and maleic acid and its esters, and preparation. J. T. Cassaday. 2,578,652, Dec. 18.
Adjustable loading device for valves and the like. F. M. Van Deventer. 2,579,218, Dec. 18.
Adjustable-rate differential pressure responsive device. N. Plank. 2,579,334, Dec. 18.
Air blow gun valve. C. D. Vreeland, Jr. 2,579,408, Dec. 18.
Air impeller. M. C. McDerment. 2,579,119, Dec. 18.
Airplane rudder and aileron control. R. A. Lander, Jr. 2,579,265, Dec. 18.
Alarm and trap, Burglar. J. Taylor. 2,579,214, Dec. 18.
Alarm, Check-controlled clock. R. L. Nor Velle. 2,579,009, Dec. 18.
Alkali metal dispersions. V. L. Hansley and W. J. P. Hilts. 2,579,257, Dec. 18.
Alkanolamine salts of sulfaquinoxaline. R. S. Sweet and W. L. Benson. 2,578,761, Dec. 18.
Alkoxychlorobenzenes as plasticizers for elastomers. J. K. Stevenson. 2,578,853, Dec. 18.
Alloy for treatment of steel, Addition. C. N. Dawe. 2,579,369, Dec. 18.
Allyl amine carbonates, polymers, and copolymers. C. E. Gleim. 2,579,426–7, Dec. 18.
Aluminum alkoxides, Manufacture of. A. C. Coates and L. Saunders. 2,579,251, Dec. 18.
Ambulatory invalid chair. W. R. Nelson. 2,578,828, Dec. 18.
Amides of ortho titanic acid. T. Boyd. 2,579,413, Dec. 18.
Amine salt of penicillin. A. P. Granatek. 2,579,185, Dec. 18.
Ammonolysis of organo silicon halides. N. D. Cheronis. 2,579,417, Dec. 18.
Ammunition clip. G. W. Kinzelman. 2,578,706, Dec. 18.
Amplifier band width control. G. C. Sziklai. 2,579,345, Dec. 18.
Anemometer construction. F. R. Sias. 2,579,344, Dec. 18.
Animal trap. J. Silvia. 2,579,208, Dec. 18.
Animal trap. H. L. Story. 2,578,856, Dec. 18.
Animal trap. E. Torgeson. 2,578,762, Dec. 18.
Antenna array. E. C. Hills. 2,578,973, Dec. 18.
Antiskid chain attaching means. P. C. Traver, Sr. 2,579,057, Dec. 18.
Antiwear device for the mooring cables of submarine mines. R. H. Park. 2,578,735, Dec. 18.
Apparatus for brazing. F. W. Schwinn. 2,579,097, Dec. 18.
Apparatus for determining coating thickness. R. F. McCartney, G. E. Pellissier, and E. E. Wicker. 2,578,722, Dec. 18.
Apparatus for dusting strip material. E. D. George. 2,579,425, Dec. 18.
Apparatus for gauging and sorting lengths of tubing or rod. C. D. Spicer and A. F. Casler. 2,579,129, Dec. 18.
Apparatus for harvesting onions. L. B. Sampson. 2,579,013, Dec. 18.
Apparatus for hydraulic motor control. M. O. Dean. 2,578,676, Dec. 18.
Apparatus for indicating ballast changes necessary to maintain submersed submarines in trim. A. C. Vine. 2,579,220, Dec. 18.
Apparatus for leveling or straightening metal sheets. E. Mayer. 2,578,820, Dec. 18.
Apparatus for lifting and displacing railroad rails and frogs. A. Di Biase. 2,578,969, Dec. 18.
Apparatus for making sectional wires. M. W. Kremer. 2,579,117, Dec. 18.
Apparatus for manufacturing striplike glass. P. Schoonenberg and P. van Zonneveld. 2,578,986, Dec. 18.
Apparatus for measuring low-temperature stiffening of elastomers. S. D. Gehman. 2,579,424, Dec. 18.
Apparatus for positioning bone nails for fixing fractured bones. E. J. Haboush. 2,579,186, Dec. 18.
Apparatus for pressing out liquid. R. W. Scott. 2,579,054, Dec. 18.
Apparatus for producing gas under pressure. M. Kadenacy. 2,579,321, Dec. 18.
Apparatus for pumping and sterilizing liquids. W. W. Cushman. 2,578,673, Dec. 18.
Apparatus for removing cans from cartons. L. W. Waters. 2,578,912, Dec. 18.
Apparatus for separating particles of different densities. E. L. Erickson. 2,579,228, Dec. 18.
Apparatus for supporting and coating golf balls. M. Harris. 2,579,073, Dec. 18.
Apparatus for the manufacture of denture models. M. Fleischhacker. 2,579,111, Dec. 18.
Apparatus for vacuumizing, gassing, and closing containers. A. L. Kronquest. 2,578,815, Dec. 18.
Applying wound covering to elastic thread. A. G. Selfried. 2,579,244, Dec. 18.
Aromatic amine thiocyanate-aldehyde condensate products, Manufacture of. T. E. Robbins. 2,578,742, Dec. 18.
Article conveying machine. R. E. J. Nordquist and J. E. Socke. 2,578,733, Dec. 18.
Article of furniture, Reclining. A. Lorenz. 2,578,708, Dec. 18.
Artificial bait. R. J. Flynn. 2,579,377, Dec. 18.
Artificial limb construction. J. H. F. Stewart. 2,578,854, Dec. 18.
Athletic balls, Making. W. T. Brown. 2,579,294, Dec. 18.
Atomizer case. E. S. Tupper. 2,578,907, Dec. 18.
Attachment for digging postholes and the like. R. J. Piper. 2,578,834, Dec. 18.
Attachment for use in servicing screw-threading taps. S. H. Rollason. 2,578,842, Dec. 18.
Automatic pressure control system for pneumatic tires. W. R. Paul. 2,579,048, Dec. 18.
Automatic starting and stopping of Diesel engines. R. E. S. Swam. 2,579,130, Dec. 18.
Automotive variable-speed transmission and control mechanism therefor. G. T. Randol. 2,578,740, Dec. 18.
Awning. F. M. Powers. 2,578,737, Dec. 18.
Awning, Folding. H. A. Logan and C. N. Wilcher, Sr. 2,579,198, Dec. 18.
Awning, Ventilated. D. L. Carlson. 2,579,064, Dec. 18.
Back rest, Adjustable bisectional. V. J. De Young. 2,578,879, Dec. 18.
Bale weight gauge. W. E. Taylor. 2,579,444, Dec. 18.
Bandage. R. M. Curtis, J. H. Brewer, and A. E. Stickels. 2,579,367, Dec. 18.
Bandage, Medical. J. Slomowitz and M. Del Conte. 2,579,403, Dec. 18.
Banding machine. V. A. Grey. 2,578,799, Dec. 18.
Band-tightening instrumentality for hose clamps. C. Tetzlaff. 2,578,860, Dec. 18.
Barrow attachment for lawn mowers. C. A. Hubner. 2,579,077, Dec. 18.
Basketball net. G. D. Garvey. 2,579,312, Dec. 18.
Bearing: *See*—
  Fluid pressure bearing.
Bearing. M. E. Martellotti. 2,578,711, Dec. 18.
Beating wing propelled aircraft. W. Schmidt. 2,578,845, Dec. 18.
Belt for cone pulleys. J. W. Huff. 2,578,885, Dec. 18.
Belt grinding and polishing machine. S. Bader. 2,578,662, Dec. 18.
Bessemer steel having reduced strain sensitivity, Manufacture of. H. K. Work and R. R. Webster. 2,578,872, Dec. 18.
β-tertiary aminoacrylic esters from alkoxyacrylic esters, Preparation of. P. L. de Benneville. 2,578,788, Dec. 18.
Biological production of riboflavin. T. G. Pridham. 2,578,738, Dec. 18.
Blending system. J. F. Meissner. 2,579,153, Dec. 18.
Board or table, Two-man glass-cutting. J. A. Koehler. 2,578,811, Dec. 18.
Box: *See*—
  Combination mail and news box.
  Duplex covered mail and news box.
  Refrigerated commodity box.
  Self-locking box.
Box beam construction for floors. K. L. Bergvall and E. E. Dahlberg. 2,579,446, Dec. 18.
Box-part making machine. D. G. Kingsley. 2,578,936, Dec. 18.
Bracket: *See*—
  Venetian blind supporting bracket.
Brassière. J. Condé. 2,579,365, Dec. 18.
Brassière. K. Van Leuven, Jr. 2,578,954, Dec. 18.
Breaker: *See*—
  Seismograph blaster time breaker.
Broken strand indicator. J. Turner. 2,579,407, Dec. 18.
Bubble cap assembly. J. P. Dunn. 2,578,881, Dec. 18.

Burner: *See*—
  Pilot burner.
Burner control mechanism. C. M. Mayer and J. M. Hoff. 2,578,717, Dec. 18.
Burner for liquid fuel, Adjustable. H. J. J. Janssen. 2,578,934, Dec. 18.
Button or ornament, Detachable. V. A. Patterson. 2,579,124, Dec. 18.
Cabinet: *See*—
  Germicidal cabinet.
Calculating machine. S. K. Johnson. 2,578,705, Dec. 18.
Calculator, Photoelectric area. G. H. Eash. 2,578,882, Dec. 18.
Can body welding machine, including movable and rotatable electrode. P. E. Pearson and A. Treff. 2,578,832, Dec. 18.
Can opener and sealer. L. L. McLean. 2,578,979, Dec. 18.
Cap: *See*—
  Uniform cap.
Carburetor. R. H. and E. S. Sumpter. 2,578,857, Dec. 18.
Carrier for braiding machines. F. Ferruta. 2,579,142, Dec. 18.
Carrier for golf clubs, Wheeled. G. H. Eastin. 2,578,791, Dec. 18.
Cart formed from wire, Disposable. S. Mittleburg. 2,579,392, Dec. 18.
Cart, Picking. F. H. Fujita. 2,578,793, Dec. 18.
Carton for fragile articles, Molded. W. H. Randall. 2,578,739, Dec. 18.
Carton, Tray type. K. T. Buttery. 2,578,878, Dec. 18.
Case: *See*—
  Atomizer case.
  Latch case.
Cases for sewing machines, Locking thread supply. F. Ashworth. 2,578,659, Dec. 18.
Casing or enclosure for water softening apparatus. R. K. Lynes. 2,579,328, Dec. 18.
Caulking gun. W. Wallace. 2,578,765, Dec. 18.
Cavity resonator electron discharge apparatus. W. W. Hansen and R. H. Varian. 2,578,699, Dec. 18.
Cellulose derivative composition of improved solubility. G. O. Funderburk. 2,579,381, Dec. 18.
Centrifugal actuator. H. Lange. 2,579,266, Dec. 18.
Chair: *See*—
  Ambulatory invalid chair.
  Rail chair.
  Window chair.
Chair construction. H. H. Cadman and J. J. Ducey. 2,579,361, Dec. 18.
Change maker. C. C. Shaver. 2,578,951, Dec. 18.
Characteristic accumulator for slide rule cursors. J. J. Smidl. 2,579,019, Dec. 18.
Chlorinated acetaldehydes and their acetal derivatives, Production of. W. C. B. Smithuysen and C. D. F. Eerbeek. 2,579,021, Dec. 18.
Chlorinated bornyl chloride insecticidal composition. G. A. Buntin. 2,579,298, Dec. 18.
Chlorinated camphane insecticidal composition. G. A. Buntin. 2,579,297, Dec. 18.
Chlorinated fenchene insecticidal composition. G. A. Buntin. 2,579,301, Dec. 18.
Chlorinated isobornyl chloride insecticidal composition. G. A. Buntin. 2,579,299, Dec. 18.
Chlorinated pinane insecticidal composition. G. A. Buntin. 2,579,300, Dec. 18.
Chlorinated pinene insecticidal composition. G. A. Buntin. 2,579,296, Dec. 18.
Circuit: *See*—
  Coordinate selecting and lockout circuit.
  Discriminator circuit.
  Rotary-switch stopping circuit.
  Stabilized transistor trigger circuit.
Circuit breaker. L. E. Fisher. 2,579,252, Dec. 18.
Circuit breaker steel back isolation barrier. W. M. Scott, Jr. 2,578,750, Dec. 18.
Circuit for multiple high resistance ignition electrode, Control. I. W. Cox. 2,579,366, Dec. 18.
Clamp: *See*—
  Skate clamp.
Clamp. T. A. Woolsey and H. D. Houghton. 2,579,104, Dec. 18.
Clip: *See*—
  Ammunition clip.
  Pencil clip.
  Sheet metal spring clip.
Clock, Electric alarm. J. Youhouse. 2,579,166, Dec. 18.
Closure fastener. E. J. Zelt. 2,579,354, Dec. 18.
Clothes drier. L. Wilson. 2,578,870, Dec. 18.
Clutch: *See*—
  Magnetically controlled friction clutch.
  Manure-spreader clutch.
Clutch plate shim. R. L. Edens. 2,579,179, Dec. 18.
Clutch shaft, Demountable. A. Kludt. 2,579,191, Dec. 18.
Coated plastic products. J. Bjorksten, S. O. Fiedler and L. L. Yaeger. 2,578,665, Dec. 18.
Coating composition and polystyrene surface coated therewith. L. L. Yaeger. 2,578,770, Dec. 18.
Coating ingot molds and composition therefor. F. Ingala. 2,578,976, Dec. 18.
Color shifting agents and using same. F. G. Smith. 2,579,020, Dec. 18.
Color temperature meter. C. F. Taylor. 2,579,347, Dec. 18.
Combination mail and news box. R. W. Gieseler. 2,578,691, Dec. 18.
Combination mail and news box. R. W. Gieseler. 2,578,693, Dec. 18.
Combustion gas heater apparatus for multitemperature air supply for furnaces. J. H. Cruise. 2,578,783, Dec. 18.
Compass, Beam. S. A. Nauheim. 2,579,121, Dec. 18.
Complex signal measuring. S. C. Stribling, Jr., W. T. Douglas, Jr., and F. E. Talmadge. 2,579,160, Dec. 18.
Composition of tall oil and aromatic oil and making it. E. A. Van Valkenburgh. 2,578,955, Dec. 18.
Compositions containing methylol phenyl ethers. R. W. Martin. 2,579,331, Dec. 18.
Compressor unloading valve. M. E. Noe. 2,579,439, Dec. 18.
Condenser for use on alternating-current devices, Electrolytic. R. M. Brennan. 2,579,250, Dec. 18.
Conductor. I. W. Edwards. 2,579,227, Dec. 18.
Connector and making same, Linked. W. H. Nordenson and W. W. McCaw. 2,579,394, Dec. 18.
Connector device. S. B. McKenzie. 2,578,723, Dec. 18.
Constant velocity joint. E. B. Anderson. 2,579,356, Dec. 18.
Constant velocity universal joint. N. Trbojevich. 2,578,763, Dec. 18.
Container: *See*—
  Heavy-duty fiber container.
Container and dispenser, Perfume. G. Piccoli. 2,579,202, Dec. 18.
Container capping machine. H. R. Ames. 2,578,772, Dec. 18.
Container closure. G. W. Parvis, Jr. 2,579,156, Dec. 18.
Container end assembling machine. R. E. J. Nordquist and H. F. Cox, Jr. 2,578,731, Dec. 18.
Container for coiled wire, Dispensing. G. C. Tinsley. 2,579,131, Dec. 18.
Control for cabin pressure regulators. R. A. Arthur. 2,578,773, Dec. 18.
Control system. J. A. Hepperlen and S. Rifkin. 2,579,317, Dec. 18.
Control system for billet cutting machines. J. L. Biach. 2,578,778, Dec. 18.
Control system for electric motors. R. A. West. 2,578,988, Dec. 18.
Controlled electric heater. L. R. Mast and W. T. Craig. 2,578,819, Dec. 18.
Controlling stem end decay of citrus fruits. M. A. Slade, Jr. and R. D. Gerwe. 2,578,752, Dec. 18.
Conveyer chain link. V. Zanitis. 2,579,410, Dec. 18.
Cooling apparatus. R. O. Scofield. 2,579,098, Dec. 18.
Cooling means for tail pipes of jet propulsion motors. F. B. Halford and G. Bristow. 2,579,114, Dec. 18.
Coordinate selecting and lockout circuit. G. Hecht. 2,578,701, Dec. 18.
Copolymers of hydrogen cyanide and their preparation. D. W. Woodward. 2,579,061, Dec. 18.
Cord-supporting device. W. Aab. 2,579,062, Dec. 18.
Cot. C. W. Kroha. 2,579,263, Dec. 18.
Cotton topper. J. W. Bell. 2,578,963, Dec. 18.
Coupling. R. H. Hunter and E. J. Kasper. 2,578,933, Dec. 18.
Cover: *See*—
  Hanger cover.
  Meter box cover.
Covering hood for paper rolls. G. A. Pendergast. 2,579,201, Dec. 18.
Crate closure, Poultry. T. W. Roberg. 2,579,128, Dec. 18.
Crystal detector superregenerative receiver. J. C. Reed, Jr. 2,578,838, Dec. 18.
Curler, Hair. C. W. Renstrom. 2,579,204, Dec. 18.
Current shutoff mechanism. E. A. Morris. 2,578,940, Dec. 18.
Curtain fixture, Cable operated. A. T. Hagerty and T. F. Brenneman. 2,579,187, Dec. 18.
Cushion, Resilient. L. J. Zerbee. 2,579,284, Dec. 18.
Cutter: *See*—
  Shortening cutter.
Cyclic reuse of cyclohexylamine in rosin acids separation. V. K. Babayan. 2,578,661, Dec. 18.
Cyclooctatetraene, Preparing. C. E. Barnes. 2,579,106, Dec. 18.
Decoder for pulse code modulation. R. L. Carbrey. 2,579,302, Dec. 18.
Decorative articles, Making. A. Rosenthal. 2,578,743, Dec. 18.
Dehalogenation of steroids. A. C. Ott and M. F. Murray. 2,578,734, Dec. 18.
Dehydration of organic acids. W. E. Hanford. 2,578,698, Dec. 18.
Dehydrator. H. H. Schulstadt. 2,579,053, Dec. 18.
Deionization of sugar solutions. R. Kunin and F. X. McGarvey. 2,578,938, Dec. 18.
Delay device. M. H. Mesner. 2,579,269, Dec. 18.
Deodorant and antiseptic dispenser. M. L. Levitt. 2,579,045, Dec. 18.
Deodorizer. R. A. Munnecke. 2,578,827, Dec. 18.
Deodorizing and stabilizing soy bean oil. R. A. Carleton. 2,578,670, Dec. 18.
Detector mechanism for capping machines. G. M. Stevenson. 2,579,404, Dec. 18.
Device for hypodermic injections. P. Kollsman. 2,578,813–14, Dec. 18.

Device for preforming corrugated material for lamp shades. A. H. Blen. 2,579,171, Dec. 18.
Device for testing air line pressure gauges. R. K. Boyer and H. W. Krohn, Jr. 2,579,359, Dec. 18.
Device for the treatment of gases. P. G. Vicard. 2,579,282, Dec. 18.
Dewaxing petroleum products with monobromo-monochloro-methane. K. A. Fischer. 2,578,685, Dec. 18.
Diaphragm. G. E. Nicholson and J. B. McGay. 2,578,730, Dec. 18.
Differential relay sensitivity adjuster. C. L. Headley. 2,579,042, Dec. 18.
Directed beam light unit. F. W. Schwinn. 2,579,018, Dec. 18.
Discharging static electricity, Method and apparatus for. R. Gunn. 2,578,697, Dec. 18.
Discriminator circuit. A. P. Adamson. 2,579,286, Dec. 18.
Disk plow for tractors, Reversible. G. R. Onfrey. 2,578,942, Dec. 18.
Dispenser: *See*—
Deodorant and antiseptic dispenser.
Dispenser for either a measured or an unmeasured quantity of granular material. R. R. Lowry. 2,579,388, Dec. 18.
Dispensing device. L. M. Kramer. 2,579,083, Dec. 18.
Distributor timing indicator. D. W. Lum. 2,578,817, Dec. 18.
Door operation and control. J. F. Kilar and J. H. Vander Veer. 2,578,810, Dec. 18.
Door operation and control. P. H. Maurer. 2,578,894, Dec. 18.
Door operation and control. W. C. Turner. 2,578,909, Dec. 18.
Dormant parasiticide compositions. O. H. Hammer. 2,579,430, Dec. 18.
Drier: *See*—
Clothes drier.
Driven well point. V. A. Endersby. 2,578,996, Dec. 18.
Drying sized or otherwise impregnated textile material, Method and apparatus for. R. A. Rusca and G. J. Kyame. 2,578,744, Dec. 18.
Duplex covered mail and news box. R. W. Gieseler. 2,578,692, Dec. 18.
Duplex heater. E. Esson. 2,578,927, Dec. 18.
Duplex rail assembling elevator. H. C. Wauson and W. E. Bennett, Jr. 2,579,060, Dec. 18.
Electric dog training device. C. G. W. Dierking. 2,579,178, Dec. 18.
Electrical protective system. D. E. Graves. 2,579,255, Dec. 18.
Electrical pulse generator. G. Potier and P. Cornet. 2,578,982, Dec. 18.
Electrical switch. J. A. Alexander. 2,579,135, Dec. 18.
Electrode for electrolytic condensers. J. B. Brennan. 2,578,667, Dec. 18.
Electrode structure for electric discharge devices. L. J. Davies and E. J. G. Beeson. 2,579,109, Dec. 18.
Electrolytic removal of metallic coatings from various base metals. H. G. Orlik. 2,578,898, Dec. 18.
Electromagnetic recorder wire and making it. C. H. Campbell, R. E. Griffiths, and W. T. Cramer. 2,578,782, Dec. 18.
Electromagnetically operated counter. H. D. and M. I. Goldberg. 2,579,231, Dec. 18.
Electronic accumulator. L. P. Crosman. 2,579,174, Dec. 18.
Electrostatic generator. C. M. Turner. 2,578,908, Dec. 18.
Electrostatic precipitator. R. T. Palmer. 2,579,440–1, Dec. 18.
Electrostatic precipitator. R. W. Warburton. 2,579,445, Dec. 18.
Electrosteam actuator. J. W. Dickey. 2,578,992, Dec. 18.
Elevator door control mechanism. J. A. Schweig. 2,579,017, Dec. 18.
Elevator mechanism. R. F. Collins. 2,579,364, Dec. 18.
Embossing film and coatings produced from heat curable elastomers. S. W. Kober. 2,579,044, Dec. 18.
Emulsion drilling mud. H. H. Kaveler. 2,578,888, Dec. 18.
Enameling of concrete materials. W. S. Ramsay. 2,579,050, Dec. 18.
Engraving machine. O. Bachmann. 2,579,290, Dec. 18.
Epicyclic mechanism. R. P. Harshberger. 2,578,801, Dec. 18.
Esterlike anhydride of hydroxynaphthalene tetrasulfonic acid. H. Bretscher. 2,578,967, Dec. 18.
Esters of ortho titanic acid, Preparation of. T. Boyd. 2,579,414, Dec. 18.
Esters of t-butyl benzoic acid, their polymers, and compositions, Unsaturated. J. R. Scheibli, R. C. Morris, and E. C. Shokal. 2,578,950, Dec. 18.
Ethylene oxide, Production of. N. C. Robertson and R. T. Allen. 2,578,841, Dec. 18.
Exhaust device for fluid flowing at high velocity. J. O. Hinze and C. Stillebroer. 2,578,932, Dec. 18.
Exit area control for jet engines. G. W. Kallal. 2,579,043, Dec. 18.
Extraction of hydrolyzed estrogens from urine. J. W. Nelson. 2,578,729, Dec. 18.
Extractor: *See*—
Fruit juice extractor.
Fastener: *See*—
Closure fastener. Paper fastener.
Feed drain and safety device for water heaters. L. Le Bozec and G. Gautier. 2,579,387, Dec. 18.
Feeding mechanism for printing machines. J. A. Black. 2,578,779, Dec. 18.
Filling machine with reciprocating pistons operating within reciprocating measuring chambers. R. E. J. Nordquist. 2,578,732, Dec. 18.
Film holder. D. A. Albert. 2,579,287, Dec. 18.
Finger stop for stringed instruments. C. Rader. 2,578,984, Dec. 18.
Finger support for nail polish application. P. Libson. 2,579,450, Dec. 18.
Fire extinguisher. L. H. Smith. 2,579,100, Dec. 18.
Fish lure. G. W. Davis. 2,578,786, Dec. 18.
Fisherman's rod winder. H. L. Helwick. 2,579,074, Dec. 18.
Fishing bobber. E. Sokolik. 2,578,852, Dec. 18.
Fishing device, Automatic. V. L. Jackson, W. H. Pfrehm, and S. R. Danekas. 2,578,887, Dec. 18.
Fishing float. B. Zaikoski. 2,578,874, Dec. 18.
Fishing reel. W. Willman. 2,579,353, Dec. 18.
Fishing rod. A. Beaupre. 2,578,663, Dec. 18.
Flexible laminated trim panel. F. Lyijynen. 2,578,709, Dec. 18.
Flexible magnetic power take-off. W. L. Morrison, Jr. 2,579,154, Dec. 18.
Flexible sealing strip. E. P. Harris. 2,579,072, Dec. 18.
Flexible shaft switch-actuating means for kitchen mixer motors. H. F. Schmidt. 2,578,901, Dec. 18.
Fluid pressure bearing. M. E. Martellotti. 2,578,712–13, Dec. 18.
Fluid pressure responsive regulating means for use in liquid supply systems. R. J. Ifield. 2,579,147, Dec. 18.
Fluid projecting apparatus. L. M. McBride. 2,578,821, Dec. 18.
Fluid pump. M. H. Scherger and E. B. Terrill, Jr. 2,578,746, Dec. 18.
Fluorination of fused-ring organic compounds with cobalt trifluoride. E. T. McBee and R. M. Robb. 2,578,720, Dec. 18.
Fluorination of hydrocarbons. G. M. Whitman. 2,578,913, Dec. 18.
Fluorination of saturated halocarbons with manganese trifluoride. E. T. McBee and R. M. Robb. 2,578,721, Dec. 18.
Flying saw actuating mechanism. G. E. Mirfield and I. A. Colby. 2,578,825, Dec. 18.
Focusing mechanism for microscopes. J. C. Kurtz and B. G. Gallasch. 2,579,195, Dec. 18.
Folding awning frame. E. F. Bell. 2,578,964, Dec. 18.
Folic acid intermediates. D. I. Weisblat, B. J. Magerlein, and A. R. Hanze. 2,578,767, Dec. 18.
Foot scraper having gravity operated latch means. P. B. Mims. 2,579,006, Dec. 18.
Forced air flow air-heating furnace. D. J. Luty. 2,579,047, Dec. 18.
Forced circulation steam generator. W. S. Patterson. 2,578,831, Dec. 18.
Forming metallic oxide coatings upon siliceous support articles. A. R. Weinrich. 2,578,956, Dec. 18.
Fountain, Enclosed gravure. H. W. Faeber. 2,579,181, Dec. 18.
Fowl picker. F. Hanshaw. 2,578,930, Dec. 18.
Fractional solidification process. C. J. Egan. 2,579,421, Dec. 18.
Fractionating tower. H. R. Davis. 2,578,925, Dec. 18.
Frame: *See*—
Folding awning frame.
Illuminated license plate frame.
Frequency response controlling means. F. H. Gardner. 2,579,069, Dec. 18.
Front edge detector mechanism for use in sheet feeding apparatus. G. W. Tebbs. 2,579,406, Dec. 18.
Froth flotation of ferruginous impurities from finely divided granite rock. J. B. Duke. 2,578,790, Dec. 18
Fruit cleaning machine. R. E. Ramont. 2,578,944, Dec. 18.
Fruit flavors and the resulting product, Preparation of. J. Bartels. 2,578,915, Dec. 18.
Fruit juice extractor. D. C. Comotto. 2,579,032, Dec. 18.
Fuel burner with nondribble tip valve, Liquid. J. R. Joyce. 2,579,004, Dec. 18.
Fuel pump apparatus and method. F. S. Thomas, Jr. 2,579,023, Dec. 18.
Fumigating compositions. J. Taylor, J. M. Holm, and A. C. Hutchison. 2,578,858, Dec. 18.
Furnace: *See*—
Forced air flow air-heating furnace.
Furnace. L. J. Weber. 2,579,350, Dec. 18.
Furnace and stock feeding means therefor, Electric. H. A. Strickland, Jr. 2,578,760, Dec. 18.
Furnace charger. C. White. 2,579,409, Dec. 18.
Game teaching apparatus. J. J. Baldine. 2,579,105, Dec. 18.
Gap gauge. F. Koenig. 2,579,386, Dec. 18.
Garbage grinding device. H. C. Schindler. 2,579,400, Dec. 18.

Garment for babies, Nether. N. M. Wurster. 2,578,769, Dec. 18.
Garment, Sleeping. L. Schworm, Jr. 2,579,276, Dec. 18.
Garter belt. I. Kaldor. 2,579,190, Dec. 18.
Gas bomb, Compressed. H. R. Moore. 2,578,726, Dec. 18.
Gas-liquid contacting apparatus. D. H. Putney. 2,579,203, Dec. 18.
Gas treating apparatus and method. C. B. Schneible and A. S. Lundy. 2,579,401, Dec. 18.
Gauge: *See*—
Bale weight gauge. Marking gauge.
Gap gauge. Valve cap gauge.
Gear: *See*—
Steerable landing gear.
Tandem-wheel shock absorbing aircraft gear.
Gearing, Worm. G. E. Dath. 2,578,784, Dec. 18.
Generator: *See*—
Electrical pulse generator. Saw-tooth current generator.
Electrostatic generator.
Forced circulation steam generator. Wind-driven power generator.
Generator and turbine of the continuous combustion type, Rotating combustion products. N. C. Price. 2,579,049, Dec. 18.
Generator tester. A. D. Goldman. 2,578,694, Dec. 18.
Germicidal cabinet. S. J. Pask. 2,579,242, Dec. 18.
Glass beveling apparatus. J. F. Donnelly. 2,578,789, Dec. 18.
Glass-cutting table. R. C. Bowers. 2,578,919, Dec. 18.
Glycerin refining. L. J. Lofdahl and J. K. Gunther. 2,578,816, Dec. 18.
Glycol esters of acyloxycarboxylic acids. E. M. Filachione, M. L. Fein, and C. H. Fisher. 2,578,684, Dec. 18.
Graphite gun. O. D. Shonnard. 2,578,751, Dec. 18.
Grass catcher for lawn mowers, Dumping type of. K. F. Whittaker. 2,579,103, Dec. 18.
Grill-spatula assembly. F. W. Heckert. 2,579,258, Dec. 18.
Grounding device for telephone lines. M. R. Chipley. 2,579,139, Dec. 18.
Gun control apparatus. J. L. Borden, Jr. 2,578,666, Dec. 18.
Gyratory crusher. A. W. Lippmann. 2,579,238, Dec. 18.
Gyratory crusher with mating friction and drag rings on head and inner shell. A. W. Lippmann. 2,579,239, Dec. 18.
Hammer, Power. C. A. Hirschberg. 2,579,075, Dec. 18.
Handling fuels. B. E. Roethell. 2,579,397–8, Dec. 18.
Hanger: *See*—
Tank hanger.
Hanger cover. R. S. Reiner. 2,578,741, Dec. 18.
Harmonic electrical alternating-current generation. H. J. Tyzzer. 2,579,217, Dec. 18.
Hayrake. N. H. Godley. 2,579,041, Dec. 18.
Head covering. S. Price. 2,579,089, Dec. 18.
Heat exchanger. R. Rigby. 2,578,945, Dec. 18.
Heat exchanger. R. K. P. Stevens and M. Cox. 2,579,212, Dec. 18.
Heat exchanger, Regenerative. R. K. P. Stevens and M. Cox. 2,579,211, Dec. 18.
Heat sealing tool. T. E. Piazze and B. W. Martin. 2,579,088, Dec. 18.
Heated pressure seaming device for plastics. A. M. Andrews. 2,579,063, Dec. 18.
Heater: *See*—
Controlled electric heater. Duplex heater.
Heater. R. S. and C. S. Prendergast and E. T. Winters. 2,579,127, Dec. 18.
Heater with air cooled cast metal secondary air conduit, Smokeless solid fuel. W. A. Stuckey, M. Gregurich, and F. Tomasich. 2,579,213, Dec. 18.
Heating apparatus for metal ingots and blocks, Differential. T. A. Ledin. 2,578,890, Dec. 18.
Heating system. W. L. Scheu. 2,579,158, Dec. 18.
Heating vessels. C. O. Glasgow and J. L. Maher. 2,579,184, Dec. 18.
Heavy-duty fiber container. S. P. Belsinger. 2,578,774-7, Dec. 18.
Hexahydropyrimidine-4,6-diones. W. R. Boon, H. C. Carrington, and C. H. Vasey. 2,578,847, Dec. 18.
High-frequency energy absorbing variable coupling device. N. Lund. 2,579,327, Dec. 18.
High molecular weight unsaturated ethers, Preparation of. J. K. Mertzweiller. 2,578,724, Dec. 18.
Hinge mechanism for range doors. W. Rinaldo. 2,579,091, Dec. 18.
Hobbyhorse attachment for bicycles and tricycles. R. G. I. Fernstrom. 2,578,682, Dec. 18.
Hoe, Push-pull. E. L. Erickson and A. N. Hume. 2,579,229, Dec. 18.
Hold-down and linkage assembly for convertible tops. M. Beasonneau. 2,578,990, Dec. 18.
Hold-down attachment for skinning machines. R. T. Townsend. 2,578,952, Dec. 18.
Holder: *See*—
Film holder.
Hollow articles, Making. E. E. Mills. 2,579,390, Dec. 18.
Hook for trailers, Safety chain. N. Hudson. 2,579,319, Dec. 18.
Hose and shoe guard, Combined. A. A. Meengs and L. E. Hahn. 2,578,895, Dec. 18.
Hot gas agitator for heaters. R. A. Krauss. 2,579,325, Dec. 18.
Hydraulic angling mechanism for disk harrow gangs. W. P. Oehler. 2,579,086, Dec. 18.
Hydraulic hopper discharge apparatus. P. B. Silk. 2,579,402, Dec. 18.
Hydraulic lift and dumping device. E. C. Small. 2,578,849, Dec. 18.
Hydraulic power unit for actuating aircraft control devices. R. J. Baldwin. 2,579,028, Dec. 18.
Hydraulic stop device for web feeding machines. M. W. Alger. 2,578,960, Dec. 18.
Hydraulic system for drilling rigs. J. E. Yarborough. 2,578,959, Dec. 18.
Hydraulic torque converter having radial and axial stages. O. A. Banner. 2,578,876, Dec. 18.
Hydraulic-type log debarker having centripetally directed jets mounted in circumferential groups radially adjustable for different size logs. J. E. Holveck and A. G. Rockwood. 2,578,804, Dec. 18.
Hydrogenation of thiophenic compounds containing an unsaturated side chain. H. Pines and B. Kvetinskas. 2,579,010, Dec. 18.
Ice creeper. G. F. Fisher. 2,579,143, Dec. 18.
Illuminated license plate frame. J. W. Giboney. 2,579,230, Dec. 18.
Impact wrench. F. H. Thomas. 2,579,278, Dec. 18.
Increasing the viscosity of liquid resinous organopolysiloxanes. H. C. Nelson, Jr. 2,579,332, Dec. 18.
Index filing binder, Visible. I. Fogel. 2,579,253, Dec. 18.
Indexing mechanism. L. G. Barry. 2,579,169, Dec. 18.
Indicating device constituted by a scale and an index which can move along a guide path. H. Blok. 2,578,965, Dec. 18.
Indicator: *See*—
Broken strand indicator.
Distributor timing indicator.
Indicator for vehicle steering apparatus, Position. R. E. Hiatt. 2,579,233, Dec. 18.
Induction alternator exciter control. D. V. Edwards. 2,578,679, Dec. 18.
Inductive pickup device. R. C. Curtis and L. D. Norton. 2,578,924, Dec. 18.
Industrial process for extracting rhenium. M. M. Bertolus. 2,579,107, Dec. 18.
Inhaler. J. M. Cage. 2,579,362, Dec. 18.
Inhaler. G. P. Trumbour and H. I. Prater, Jr. 2,579,280, Dec. 18.
Inhibiting color decomposition of dyes present in color photographs. E. S. Mackey. 2,579,435, Dec. 18.
Inhibiting the degradation of photographic color images. E. S. Mackey. 2,579,436, Dec. 18.
Injection molding apparatus. J. W. Mayer and W. F. St. Clair. 2,578,719, Dec. 18.
Inking apparatus for use with inks having highly volatile solvents. G. Cramer. 2,578,921, Dec. 18.
In-place resurfacing of ponderous cylinders. R. G. Minarik and E. N. Isakson. 2,579,391, Dec. 18.
Insecticides, New. M. Pijoan, R. D. Englert, H. J. Gerjovich, and M. L. Hopwood. 2,578,736, Dec. 18.
Installation for underground storage reservoirs for liquids nonmiscible with water. P. Lambert. 2,579,005, Dec. 18.
Instrument, Electrical musical. L. E. A. Bourn. 2,579,358, Dec. 18.
Instrument for the adjustment and measuring of angles in machine tools. E. V. T. Jahrl. 2,579,449, Dec. 18.
Instrument, Pressure sensitive moisture test. E. S. Hall, J. N. Smith, and M. L. McBrayer. 2,579,316, Dec. 18.
Instrument, Radiation detection. W. A. Hopkins and H. W. Glibert. 2,578,703, Dec. 18.
Instrument, Skin graft. E. S. and D. E. Barker. 2,579,029, Dec. 18.
Instrument, Suturing. A. Kohl. 2,579,192, Dec. 18.
Insufflator. H. L. Gardner. 2,579,113, Dec. 18.
Insulation composition of resin-impregnated glass wool briquettes and feathers. N. B. Edelman. 2,579,035, Dec. 18.
Insulation, filling, and packing. N. B. Edelman. 2,579,036, Dec. 18.
Intermittent power supply system. A. Segal. 2,578,846, Dec. 18.
Intermittent translational device. C. A. Rockwell. 2,579,092, Dec. 18.
Interpolymers of mono-2-alkenyl ethers of saturated monohydric alcohols or phenols with esters of saturated monohydric alcohols or phenols and alpha-unsaturated aliphatic carboxylic acids. P. O. Tawney. 2,579,079, Dec. 18.
Interpolymers of unsaturated nitriles. M. Naps and F. E. Condo. 2,579,008, Dec. 18.
Iron: *See*—
Magnesium-treated malleable iron.
Ironing board height adjuster. J. J. Mrofka. 2,578,826, Dec. 18.
Ironing machine with friction drive, Portable domestic. F. M. Freis. 2,578,928, Dec. 18.
Isocon pickup tube. P. K. Weimer. 2,579,351, Dec. 18.
Jack: *See*—
Ladder jack.
Jaw actuating means for tools. A. R. Ralston. 2,579,272, Dec. 18.

Joint: *See*—
Constant velocity joint.
Constant velocity universal joint.
Jointer fence adjustment. W. B. Boice. 2,579,224, Dec. 18.
Keeper mechanism. D. R. Shirley. 2,578,848, Dec. 18.
Key lock for push-button switches. R. P. Ballou. 2,579,168, Dec. 18.
Knob, Retractable steering. R. P. Woodruff. 2,579,165, Dec. 18.
Ladder jack. T. C. Tims. 2,578,862, Dec. 18.
Lamp, with an optical system for uniform road lighting, Vehicle. J. Bergmans and W. L. Vervest. 2,578,962, Dec. 18.
Latch case. H. Young. 2,578,873, Dec. 18.
Leasing, Method of and apparatus for. J. F. Keith and D. C. Smith, Jr. 2,579,322, Dec. 18.
Leg support for combination commode and high chair, Folding. W. L. Forrest. 2,579,040, Dec. 18.
Lens for electron optical systems, Magnetic. J. H. Reisner, Jr. 2,579,273, Dec. 18.
Level luffing jib crane. J. Kay. 2,579,262, Dec. 18.
Lever, Operating. H. A. Thornburg and G. D. Conrad. 2,579,102, Dec. 18.
Light and horn system, Combined. H. W. Brelsford. 2,579,292, Dec. 18.
Light directing means in a system for measuring thickness of tarnsparent sheets. J. H. Teeple and A. Strickler. 2,578,859, Dec. 18.
Lighted fishing rod. B. L. Organ. 2,579,087, Dec. 18.
Lighter, Fire. M. Frachebourd. 2,578,998, Dec. 18.
Lighting apparatus to replace an incandescent lamp in stand lamps, Circular fluorescent. C. D. Walter. 2,579,026, Dec. 18.
Lignin compound and product, Making. W. C. Goss. 2,578,695, Dec. 18.
Liquid detergent feeding device. H. J. Atkinson. 2,579,167, Dec. 18.
Liquid feeding device. G. P. Rose Miller. 2,579,339, Dec. 18.
Liquid pump. R. E. Gordinier. 2,578,798, Dec. 18.
Liquid valve. R. E. Gordinier. 2,578,797, Dec. 18.
Louver for fluorescent lights, Plastic. L. K. Schoenbrod. 2,579,015, Dec. 18.
Lubricant composition. E. A. Evans and J. S. Elliott. 2,579,038, Dec. 18.
Lubricant containing a reaction product of water-soluble sulfonic acids and phosphorus sulfide. M. W. Freeman. 2,578,689, Dec. 18.
Lubricating composition. E. A. Evans and J. S. Elliott. 2,579,037, Dec. 18.
Lubricating greases. H. G. Smith, T. L. Cantrell and M. L. Hill. 2,578,851, Dec. 18.
Lubricating system. W. M. Evans. 2,579,039, Dec. 18.
Luggage reinforcing machine and method. R. H. Plass. 2,579,270, Dec. 18.
Luminous attachment for locks. B. Heinz. 2,579,146, Dec. 18.
Lysine monohydrochloride, Production of. S. N. Vines. 2,579,283, Dec. 18.
Machine for edge grinding plates. W. A. Reaser, E. A. Ziems, and J. M. Christman. 2,579,337, Dec. 18.
Machine for making containers from plastic tubing. H. S. Ruekberg. 2,579,399, Dec. 18.
Machine for packaging ice cream and similar frozen food products. H. R. Schulz. 2,579,096, Dec. 18.
Machine for packing small fish in cans. P. E. Pearson. Dec. 18.
Machine tool. M. S. Curtis and H. Schoepe. 2,579,368, Dec. 18.
Machining fluid. F. Veatch and J. G. Partch. 2,578,865, Dec. 18.
Magnesium-treated malleable iron. A. P. Gagnebin and K. D. Millis. 2,578,794, Dec. 18.
Magnetic shunt for U-shaped meter cores. J. Indergand. 2,579,261, Dec. 18.
Magnetically controlled friction clutch. J. A. Mason. 2,578,715, Dec. 18.
Magnetically controlled friction clutch. J. G. Oetzel. 2,578,716, Dec. 18.
Magnetically operated pump. D. Smith. 2,578,902, Dec. 18.
Making equalizer beams. C. A. Brauchler. 2,579,030, Dec. 18.
Making mechanical overlays. A. E. Farley. 2,579,182, Dec. 18.
Mangler with rotor having twisted draft blades, Inclined-axis hay. W. W. Miner, Jr., N. Ray, and R. Owens. 2,578,822, Dec. 18.
Manure-spreader clutch. S. Daniels. 2,578,675, Dec. 18.
Marking gauge. H. R. Rippon. 2,579,205, Dec. 18.
Massage apparatus. A. Belleville. 2,578,916, Dec. 18.
Massage device. W. G. Smith. 2,579,209, Dec. 18.
Material having improved magnetic property. H. W. Leverens and I. J. Hegyi. 2,579,267, Dec. 18.
Measuring apparatus. L. Stanton. 2,579,277, Dec. 18.
Measuring device, Electronic. N. E. Washburn. 2,578,869, Dec. 18.
Measuring system, Optical angle. I. L. Cunningham. 2,579,067, Dec. 18.
Mechanical vibrating screen. L. W. Johnson. 2,579,002, Dec. 18.
Metal drawing press. E. K. Johansen. 2,579,078, Dec. 18.
Metal strip uncoiler. E. R. Tyrrell. 2,578,953, Dec. 18.
Metallic structure for delaying propagated waves. W. E. Kock. 2,579,324, Dec. 18.
Meter: *See*—
Color temperature meter.
Meter box cover. H. B. Bell. 2,579,170, Dec. 18.
Metering device. T. J. Dunaway. 2,578,994, Dec. 18.
Method and apparatus for the quantitative measurement of impurities in an atmosphere. W. C. White. 2,579,352, Dec. 18.
Method and machine for generating offset face gears. W. Y. Handy and W. M. Smith, Jr. 2,579,422, Dec. 18.
Methylol phenol unsaturated ethers. R. W. Martin. 2,579,330, Dec. 18.
Microphone, Shielded condenser. P. S. Veneklasen. 2,579,162, Dec. 18.
Mirror mounting for optical instruments and fine angular adjustment means therefor. W. L. Whitson. 2,578,768, Dec. 18.
Mirror operating device for reflex cameras. P. Angénieux. 2,579,247, Dec. 18.
Mist trapping shield for lens surfacing machines. H. W. Kosbab. 2,579,193, Dec. 18.
Mixed bed deionization. R. Kunin and F. X. McGarvey. 2,578,937, Dec. 18.
Mixing apparatus. J. Johnson. 2,578,805, Dec. 18.
Modifying unsaturated hydrocarbon drying oils. M. J. Murray and W. S. Gallaway. 2,579,007, Dec. 18.
Motor adaptor. H. G. Isherwood and B. J. Moore. 2,578,886, Dec. 18.
Motor control. E. P. Codling. 2,579,066, Dec. 18.
Mounting: *See*—
Ophthalmic mounting.
Mounting for rearview mirror reflectors. L. E. Jones. 2,579,148, Dec. 18.
Mower, Rotating cutting disk-type. J. G. Doyle. 2,578,880, Dec. 18.
Multielectrode gaseous discharge devices. C. Depew and W. A. Depp. 2,579,306, Dec. 18.
Multiple column mechanical counter. F. A. G. Koenig. 2,579,236, Dec. 18.
Multiple response override for thermal valves. J. E. Dube and G. D. Bower. 2,579,034, Dec. 18.
Multiple-speed gear mechanism. Q. P. Massare and H. E. Edwards. 2,578,893, Dec. 18.
Multiplex communication system. C. W. Hansell. 2,579,070, Dec. 18.
Musical holding device. R. Trevor and L. Mende. 2,579,024, Dec. 18.
N,N-disubstituted vinyl dithiocarbamate. C. T. Handy and J. C. Saner. 2,579,384, Dec. 18.
N-(2-chloroethyl)-N-piperonyl amines. W. S. Gump and E. J. Nikawitz. 2,578,696, Dec. 18.
Napkin, Sanitary. D. W. Beery, J. J. Eberl, and A. R. Ingram. 2,578,664, Dec. 18.
Navigation system, Radio-frequency. W. J. O'Brien. 2,578,980, Dec. 18.
Necktie and pocket handkerchief, Combination. R. F. Johnson. 2,578,807, Dec. 18.
Needle pickup apparatus, Plural. J. E. Vistain, Jr. 2,578,866, Dec. 18.
Needle selector mechanism for knitting machines. G. F. Teague. 2,579,161, Dec. 18.
Needle, thread, and thimble kit. G. J. Dillemuth. 2,579,307, Dec. 18.
Nest, Hen's. E. C. Karstedt. 2,578,935, Dec. 18.
Nickel liberator cell. L. S. Renzoni. 2,578,839, Dec. 18.
Nipple and shield therefor, Nursing bottle. J. Kronish. 2,579,194, Dec. 18.
Nitric oxide recovery system. F. Daniels, W. G. Hendrickson, and E. G. Foster. 2,578,674, Dec. 18.
Noncaking compositions of matter. G. O. Funderburk. 2,579,380, Dec. 18.
Nonelectrostatic plastic compositions. J. B. Eisen. 2,579,375, Dec. 18.
Nuts for blanching, preparing. J. Steiner. 2,579,245, Dec. 18.
Oil temperature indicating device. J. Cataldo. 2,579,363, Dec. 18.
Oil well pumping machine. G. A. Fullerton. 2,579,112, Dec. 18.
1,1-diphenyl-3(n-piperidyl) propane salts of penicillin. F. H. Buckwalter. 2,578,651, Dec. 18.
Open-sided-socket ratchet wrench. H. L. Fish. 2,578,686, Dec. 18.
Opener, Automatic can. A. H. Jenson. 2,579,189, Dec. 18.
Opener, Can. A. Primak. 2,578,983, Dec. 18.
Ophthalmic mounting. R. F. French and H. R. Sadler. 2,579,378, Dec. 18.
Optical projection apparatus. G. H. Miles. 2,579,177, Dec. 18.
Ore concentrator. R. Drelon. 2,579,110, Dec. 18.
Outboard propeller mechanism. A. W. Wanzer. 2,579,221, Dec. 18.
Out-fire control switch. P. Schell. 2,578,949, Dec. 18.
Oven burner ignition and control mechanism. C. M. Mayer. 2,578,718, Dec. 18.

Overheat protection for steam reheaters. P. R. Walter and J. W. Thompson. 2,579,027, Dec. 18.
Package wrapping mechanism. O. Sandberg. 2,578,948, Dec. 18.
Packaging process. C. M. Carson. 2,579,415, Dec. 18.
Pad: *See*—
Soak pad.
Paint applying apparatus. L. Boddy and S. B. Atwood, Jr. 2,578,918, Dec. 18.
Pan, Pie and cake. R. L. Hall. 2,578,929, Dec. 18.
Panel construction. L. H. Price, Sr. and H. A. Scarlett. 2,579,157, Dec. 18.
Paper fastener. J. D. Crary. 2,578,923, Dec. 18.
Parachute load cushioning mechanism. W. H. Smith. 2,578,753, Dec. 18.
Parasiticidal composition. O. H. Hammer. 2,579,428, Dec. 18.
Parasiticidal composition. E. E. Kenaga. 2,579,434, Dec. 18.
Parasiticide composition. O. H. Hammer. 2,579,431, Dec. 18.
Pen, Fountain. E. S. Sears. 2,579,342, Dec. 18.
Pencil clip. C. N. Johnson. 2,579,080, Dec. 18.
Permutation and combination mechanism. F. G. Nicolaus. 2,579,241, Dec. 18.
Phenols, Preparation of. V. Molinari and H. G. Affholter. 2,578,823, Dec. 18.
Phenylchlorosilanes, Preparation of. W. A. Schwenker. 2,579,341, Dec. 18.
Phonograph. C. B. Dale. 2,579,175, Dec. 18.
Phonograph pickup. A. L. Ketchum. 2,578,809, Dec. 18.
Phonograph turntable, Variable-speed. E. A. Hermsen. 2,579,145, Dec. 18.
Photographic emulsions, Preparation of. O. E. Schupp, Jr. 2,579,016, Dec. 18.
Photographic sensitizing dyes, Making. J. H. Dessauer and M. A. Insalaco. 2,578,677, Dec. 18.
Photographic silver halide emulsions containing 4-hydroxy quinolines. J. D. Kendall and D. J. Fry. 2,578,655, Dec. 18.
Photopolymerization process and photopolymerizable compositions of matter. C. C. Sachs and J. Bond. 2,579,095, Dec. 18.
Picolinic acid recovery. B. B. Corson and G. S. Black. 2,578,672, Dec. 18.
Pilot burner. H. B. Donley. 2,579,370–2, Dec. 18.
Pilot for vaporizing burners. J. L. Breese. 2,579,293, Dec. 18.
Piston and piston packing. J. L. Harrah. 2,579,115, Dec. 18.
Piston holding attachment for vise jaws. T. D. Lloyd. 2,579,151, Dec. 18.
Piston ring. W. F. Cook. 2,579,031, Dec. 18.
Pitchy composition and making it. O. F. V. Frick. 2,578,883, Dec. 18.
Pivot and bearing. L. S. Williams. 2,578,957, Dec. 18.
Pivoted prop support members for drop-leaf tables or the like. R. A. Cramer. 2,578,922, Dec. 18.
Plug: *See*—
Sparking plug.
Plural pressure hydraulic feed system. E. J. Hirvonen. 2,579,116, Dec. 18.
Plywood, Manufacture of. R. S. Brundige. 2,578,781, Dec. 18.
Polycarboxylated naphthalene derivatives, Preparing. J. M. Straley and C. W. Wayman. 2,578,759, Dec. 18.
Polymeric materials. A. E. Polson. 2,579,451, Dec. 18.
Polymeric materials in sheet form, Production of. A. Burness and E. G. Williams. 2,579,138, Dec. 18.
Polymeric polyamine salt compositions. M. E. Cupery. 2,579,033, Dec. 18.
Polymeric resinous products containing repeating units of silicon linked to nitrogen and making same. N. D. Cheronis. 2,579,418, Dec. 18.
Polymerization of ethylenically unsaturated compounds with cyanuric triazide catalyst. H. F. Park and H. A. Walter. 2,579,442, Dec. 18.
Polymerization of vinyl compounds in the presence of heterocyclic nitrogen compounds as activators. C. A. Uraneck. 2,578,910, Dec. 18.
Polymerizing ethylene glycol terephthalate. L. A. Auspos and J. B. Dempster. 2,578,660, Dec. 18.
Polymerizing olefins. M. M. Holm and G. E. Langlois. 2,579,433, Dec. 18.
Position-adjusting mechanism. C. E. Cushman. 2,579,305, Dec. 18.
Potato cleaning and separating device. W. J. Johnson and L. H. Buckner. 2,578,808, Dec. 18.
Poultry feeding unit, Individual. R. D. Treiease. 2,578,863, Dec. 18.
Power conversion device of the vacuum tube type. D. V. Edwards. 2,579,374, Dec. 18.
Power plant, including an electric generator, Multiple. G. Pielstick. 2,579,126, Dec. 18.
Power supply means. R. M. Gilson and L. K. Hedding. 2,579,313, Dec. 18.
Power take-off. R. W. Wagner. 2,578,867, Dec. 18.
Power tension elevating device. E. Woldring. 2,578,871, Dec. 18.
Power transmission, Variable-speed. P. S. Morgan. 2,579,085, Dec. 18.
Preparing solid polytrifluorochloroethylene. W. T. Miller. 2,579,437, Dec. 18.
Press: *See*—
Metal drawing press.
Press. J. T. Dalton. 2,579,176, Dec. 18.
Primary control for burners. J. J. Rothwell and L. B. Wagner. 2,578,947, Dec. 18.
Printing and issuing machine, Ticket. H. F. Ford. 2,579,254, Dec. 18.
Printing machine frame structure, Rotary. F. Lamatsch. 2,579,264, Dec. 18.
Printing platen, Solenoid actuated. A. J. Park and M. J. Dobes. 2,578,830, Dec. 18.
Printing system, Telegraphic. J. A. Spencer. 2,579,101, Dec. 18.
Producing fibrous material, Method and apparatus for. D. W. Kocher. 2,578,707, Dec. 18.
Profiling device for grinding wheels. M. Jellis and T. W. Langley. 2,579,305, Dec. 18.
Projector, Wave. W. F. Crawford. 2,579,140, Dec. 18.
Propeller. L. Johnson. 2,578,806, Dec. 18.
Propeller pitch reversing control switch. L. J. Bordelon. 2,579,172, Dec. 18.
Protecting metals against corrosion. J. M. Michel and K. F. Hager. 2,578,725, Dec. 18.
Protective compositions and method. S. O. Fiedler, J. Bjorksten and L. L. Yaeger. 2,578,683, Dec. 18.
Pump: *See*—
Fluid pump.
Liquid pump.
Magnetically operated pump.
Pump rod catching device. H. W. Martin. 2,578,818, Dec. 18.
Pump seal, Rotary. C. D. Bower. 2,578,780, Dec. 18.
Pumper, Pitless. J. E. Butterfield, Sr., J. E. Butterfield, Jr., and H. A. Johnsen. 2,578,669, Dec. 18.
Pyridinium halides, Quaternary. E. C. Britton and J. N. Hensen. 2,578,668, Dec. 18.
Pyridyl substituted ketones. A. M. Clifford. 2,579,419, Dec. 18.
Quartz working process and article. C. E. Bock and R. P. Burrows, Jr. 2,579,108, Dec. 18.
Radioactive isotopes, Production of. A. F. Reid. 2,579,243, Dec. 18.
Radio-goniometric system. P. Bodez. 2,578,966, Dec. 18.
Radio-guiding system. G. Aribert. 2,578,961, Dec. 18.
Radio system, Pressurized. W. P. Bollinger, F. A. Fuhrmeister, and J. E. Hill, Jr. 2,579,249, Dec. 18.
Rail chair. G. G. Edee. 2,579,373, Dec. 18.
Razor, Electric. G. A. Hinds. 2,578,974, Dec. 18.
Reaction of gaseous ammonia with hydrocarbon silicon halides. N. D. Cheronis. 2,579,416, Dec. 18.
Reaction of vinyl ethers with hydroxy compounds. R. L. Adelman. 2,579,412, Dec. 18.
Reactivating a silica-alumina catalyst by impregnation with boria. B. R. Warner and W. A. Pardee. 2,579,133, Dec. 18.
Reactivation of silica-alumina catalysts by silica addition. W. A. Pardee. 2,579,123, Dec. 18.
Receiver attachment for instantaneous direction finders. S. Stiber. 2,578,758, Dec. 18.
Record changer. W. J. Faulkner. 2,578,792, Dec. 18.
Recorder, Impact. C. E. Holmberg and T. Mungall, Sr. 2,578,803, Dec. 18.
Recovery of metallic oxides such as zirconia. R. A. Schoenlaub. 2,578,748, Dec. 18.
Rectifier system. Q. A. Kerns. 2,579,235, Dec. 18.
Rectractable form structure. C. J. Ford. 2,579,423, Dec. 18.
Reducing the amount of dross floating on spelter bath, Method and composition for. C. K. Lytle. 2,578,977, Dec. 18.
Reduction of enamines. P. L. de Benneville. 2,578,787, Dec. 18.
Reel: *See*—
Fishing reel.
Thread storage reel.
Reeling device. L. W. Ballou. 2,579,291, Dec. 18.
Reforming of hydrocarbons with dehydrogenation catalysts. E. J. Houdry. 2,578,704, Dec. 18.
Refrigerated commodity box. J. T. Fritsche. 2,579,379, Dec. 18.
Refrigeration apparatus. A. N. Nicholson. 2,578,829, Dec. 18.
Refrigeration apparatus. R. E. Tobey. 2,578,906, Dec. 18.
Refrigerator cabinets, Making. L. A. Philipp. 2,579,396, Dec. 18.
Refrigerator crisper. G. L. Pownall. 2,579,335, Dec. 18.
Regenerative heat exchanger. H. Cohen and A. R. D. Robson. 2,579,173, Dec. 18.
Registering device. R. Hofgaard. 2,579,000, Dec. 18.
Regulated power supply. W. R. Baker. 2,579,223, Dec. 18.
Regulator: *See*—
Stock regulator.
Relief valve. D. B. Gardiner and E. F. Klessig. 2,578,795, Dec. 18.
Resilient finger grip for thermometers. S. Falk. 2,579,376, Dec. 18.
Resonator structure. A. M. Gurewitsch. 2,579,315, Dec. 18.
Resorcinol recovery process. P. W. Oppenheimer and W. R. Cake. 2,579,122, Dec. 18.
Retainer. A. F. Gattiker, Jr. and A. D. Karr. 2,579,382, Dec. 18.

Riboflavin-lactic acid condensation products. B. L. Maizel and I. Gerson. 2,578,710, Dec. 18.
Ring: *See*—
  Piston ring.
Rock drill bit having hard inserts forming cutting edges. J. A. S. Malherbe. 2,579,268, Dec. 18.
Rocket projectile. G. J. Kessenich. 2,579,323, Dec. 18.
Rod: *See*—
  Fishing rod. Lighted fishing rod.
Roller screen. W. J. Starr. 2,579,159, Dec. 18.
Roost, Chicken. C. J. Ahrens. 2,579,355, Dec. 18.
Rotary-switch stopping circuit. C. Pappazoglu. 2,579,333, Dec. 18.
Rotary wing aircraft. A. M. Thompson. 2,579,055, Dec. 18.
Rotor for dynamoelectric machine. D. D. Hershberger. 2,579,318, Dec. 18.
Saw-tooth current generator. K. Schlesinger. 2,579,014, Dec. 18.
Scraper and cutter, Combined. G. W. Moore. 2,578,896, Dec. 18.
Screen: *See*—
  Mechanical vibrating screen. Roller screen.
Screw driver, Screw holding. E. E. Longfellow. 2,579,438, Dec. 18.
Seal for flexible containers. E. S. Tupper. 2,578,864, Dec. 18.
Sealing and testing of tubes by hydraulic or pneumatic means. C. W. Musser. 2,578,728, Dec. 18.
Sealing glass to metal. M. P. Wilder. 2,579,222, Dec. 18.
Seismograph blaster time breaker circuit. C. L. Brownlow. 2,578,877, Dec. 18.
Self-adjusting recirculating overflow. J. B. Crawford. 2,579,304, Dec. 18.
Self-heating containers. L. Sukacev. 2,579,405, Dec. 18.
Self-locking box. P. O. Theander. 2,579,346, Dec. 18.
Sensitising dyes from bithiazoles. L. C. Hensley. 2,579,432, Dec. 18.
Series capacitor protective scheme for tie lines. S. B. Crary. 2,579,303, Dec. 18.
Servomotor, Follow-up type. G. W. Mork. 2,578,727, Dec. 18.
7-dehydrosterols and esters, Preparing. J. A. K. Buisman. 2,579,295, Dec. 18.
Sewing machine. A. Austlid. 2,579,248, Dec. 18.
Sewing machine with chain stitch cutter. F. Vanadia. 2,579,059, Dec. 18.
Sheet controlled interrupter for offset printing presses. C. W. Harrold and A. B. Woodruff. 2,578,700, Dec. 18.
Sheet metal spring clip. G. A. Tinnerman. 2,579,279, Dec. 18.
Sheet metal working device. R. L. Holladay. 2,579,188, Dec. 18.
Shelving. H. A. Schofield. 2,579,052, Dec. 18.
Shock absorber. W. H. Smith. 2,578,903, Dec. 18.
Shock absorber piston assembly. R. L. Trimble and J. C. Hanna. 2,579,058, Dec. 18.
Shoe with a padded rear portion. J. H. Everston. 2,578,681, Dec. 18.
Shortening cutter. C. A. Lang. 2,579,326, Dec. 18.
Shredding rotor. E. C. Small. 2,578,850, Dec. 18.
Shutoff for filling spouts, Automatic. W. R. Douglas. 2,578,926, Dec. 18.
Shutter mounting for ventilating duct outlets. R. V. Pfautsch. 2,579,395, Dec. 18.
Sink, Dishwashing, scouring, and polishing. H. J. Modrey. 2,579,393, Dec. 18.
6-halo-8-hydroxycinchoninic acids, Producing. R. F. Coles. 2,579,420, Dec. 18.
Skate clamp. B. Giudice. 2,579,256, Dec. 18.
Skate, Roller. E. Van Horn. 2,578,911, Dec. 18.
Slide fastener tool. J. R. Scheib. 2,579,207, Dec. 18.
Slide projector with remote control, Electrically actuated. J. A. Tuck. 2,579,281, Dec. 18.
Soak pad. L. Schworm, Jr. 2,579,275, Dec. 18.
Sound and facsimile multiplex system. S. J. Martin. 2,578,714, Dec. 18.
Sound recording disk. W. E. Lord. 2,578,892, Dec. 18.
Sound system, Underwater. O. E. Dudley. 2,578,678, Dec. 18.
Sound wave transducer. L. J. Anderson. 2,579,136, Dec. 18.
Sparking plug. W. B. Smits. 2,578,754, Dec. 18.
Speed indicating device. E. C. Vrooman. 2,579,349, Dec. 18.
Split ratchet socket wrench. H. L. Fish. 2,578,687, Dec. 18.
Spool. J. P. Locke, E. W. McLean, and L. F. Bridge. 2,579,046, Dec. 18.
Spray painting apparatus. K. E. Arvedlund. 2,579,357, Dec. 18.
Spraying apparatus. J. A. Vaughan. 2,579,132, Dec. 18.
Spring stabilizer attachment. R. H. Hellwig. 2,578,702, Dec. 18.
Spring strip. T. F. Winters. 2,578,958, Dec. 18.
Sprinkling or irrigating system, Electronically operated soil. B. W. Parker. 2,578,981, Dec. 18.
Stabilization of chlorinated ethylene polymer. G. S. Stamatoff. 2,578,904, Dec. 18.
Stabilization of pyrophoric iron. V. C. Hamister. 2,578,800, Dec. 18.
Stabilized transistor trigger circuit. A. J. Rack. 2,579,336, Dec. 18.
Stabilizer for rotary wing aircraft. F. A. Erickson. 2,578,680, Dec. 18.
Stabilizer for tractor mounted implements. C. B. Richey. 2,579,274, Dec. 18.
Stabilizing means for lifter roof tanks. C. Arne. 2,578,658, Dec. 18.
Stabilizing polydiene polymer reacted with sulfur dioxide and resulting products. J. M. Goppel, G. E. Rumscheidt, and J. T. Hackmann. 2,578,653, Dec. 18.
Stacking apparatus. W. H. Rooksby. 2,579,094, Dec. 18.
Starting sheet for electrolytic separation of nickel. W. J. Cook and J. H. Tuck. 2,578,968, Dec. 18.
Steerable landing gear. T. C. Oliver. 2,578,897, Dec. 18.
Stiffening fabric edges, Method and apparatus for. E. S. Kennedy. 2,578,889, Dec. 18.
Stock regulator. H. G. Cram. 2,579,226, Dec. 18.
Stool, Portable folding. L. H. Wirsig. 2,578,989, Dec. 18.
Strand guiding means for winding machinery. A. F. Pieper. 2,579,011, Dec. 18.
Streptomycin purification. H. W. Rhodehamel, Jr., and W. B. Fortune. 2,578,840, Dec. 18.
Stretcher, Curtain. A. M. Warrick. 2,578,868, Dec. 18.
Structure for electrical apparatus. J. P. Eckert, Jr., J. C. Sims, Jr., and I. L. Auerbach. 2,579,141, Dec. 18.
Sulfonic acids and sulfonates, Producing. H. W. Anderson, O. A. Samson, and A. W. Clark. 2,578,657, Dec. 18.
Sulfur composition. O. H. Hammer. 2,579,429, Dec. 18.
Superregenerative wave-signal translating system. D. Richman. 2,579,338, Dec. 18.
Superstretching polyester structures. A. Pace, Jr. 2,578,899, Dec. 18.
Support for conduit members. J. Boucher. 2,579,447, Dec. 18.
Support for spectrometer reflectors, Adjustable. L. B. Borst and R. J. Fox. 2,579,225, Dec. 18.
Support for table for projectors or the like. J. Y. Taylor. 2,579,348, Dec. 18.
Swivel and locking connection for tubes. V. J. Grumblatt. 2,579,314, Dec. 18.
Swing hinge. H. J. Sands and N. E. Blanke. 2,579,206, Dec. 18.
Switch: *See*—
  Electrical switch. Thermostatic switch.
  Out-fire control switch. Time switch.
  Propeller pitch reversing control switch.
Switch device, Signal. A. K. Schlatter. 2,578,844, Dec. 18.
Switch for timers, Adjustable. D. Morrison. 2,578,824, Dec. 18.
Switching device, Electronic. C. L. Jeffers. 2,579,001, Dec. 18.
Synchronizing device. L. Schmid. 2,578,747, Dec. 18.
Synchronizing mechanism. K. Rabe. 2,579,090, Dec. 18.
Syringe, Injection. P. Kollsman. 2,578,812, Dec. 18.
System for the reproduction of magnetic records. J. H. Perreau. 2,579,125, Dec. 18.
Table: *See*—
  Glass-cutting table.
Table with leg control linkage, Drop leaf. B. Hoppe. 2,579,076, Dec. 18.
Tandem-wheel shock absorbing aircraft landing gear. W. E. Eldred. 2,579,180, Dec. 18.
Tank for dental inlays, castings, and the like, Cleaning and annealing. B. Spier. 2,579,210, Dec. 18.
Tank hanger. W. J. Masoner. 2,579,240, Dec. 18.
Tanning agents and preparing them. C. N. J. Thomsen. 2,579,216, Dec. 18.
Tape-dispensing machine. A. P. Krueger and O. P. Erhardt. 2,579,149, Dec. 18.
Tape, Tear. J. E. Snyder. 2,579,443, Dec. 18.
Tappet wrench and feeler gauge, Combination. J. H. Horne. 2,578,975, Dec. 18.
Tapping machine. M. H. Emrick. 2,578,995, Dec. 18.
Tapping unit having rapid traverse and controlled rate of feed. F. Koch. 2,579,081, Dec. 18.
Telemetering. R. B. Moran, Jr. 2,578,939, Dec. 18.
Television and radio distribution system. J. L. Potter. 2,578,836, Dec. 18.
Temperature compensated resonant vibrating system. J. A. Ashworth and L. G. Bostwick. 2,579,289, Dec. 18.
Temperature probe. W. R. Polye. 2,579,271, Dec. 18.
Tensioning reinforcements. E. Freyssinet. 2,579,183, Dec. 18.
Tertiary-alkyl-substituted benzene carboxylic acids, Preparation of. G. W. Hearne, T. W. Evans, and V. W. Buls. 2,578,654, Dec. 18.
Tetrachloroadipic acid. A. J. Kolka and H. D. Orloff. 2,578,656, Dec. 18.
Thermometer combined with spray head. R. Leopold and A. Breau. 2,579,150, Dec. 18.
Thermostatic controlled pressure operated mixing faucet. E. N. Gillette. 2,578,796, Dec. 18.
Thermostatic switch. C. S. Mertler. 2,579,389, Dec. 18.
Thread cutter for bobbin winders. R. O. Smithson and C. F. Fitzgerald. 2,578,755, Dec. 18.
Thread storage reel. R. W. Stanley. 2,578,905, Dec. 18.
Three-dimensional display. R. R. Gannaway. 2,578,970, Dec. 18.

3,4,7-tribaloquinolines, Preparation of. M. E. Hultquist and T. F. Scholz. 2,579,320, Dec. 18.
Time division multiplex system. C. W. Hansell. 2,579,071, Dec. 18.
Time switch. W. F. Horgan. 2,579,260, Dec. 18.
Timing device, Electronic. S. Wald and J. S. Russo. 2,579,163, Dec. 18.
Tire tread slitting apparatus, Transverse. W. F. Errig and E. S. De Hart. 2,578,997, Dec. 18.
Toaster, Automatic electric bread. A. M. Georgeson. 2,578,971, Dec. 18.
Toe forming machine. B. L. Speier and F. I. Hamilton. 2,578,756, Dec. 18.
Toilet flushing valve. J. J. Rekar. 2,579,012, Dec. 18.
Tongs, Screen wire. P. J. Schmidt. 2,578,985, Dec. 18.
Tool: *See*—
  Heat sealing tool. Slide fastener tool.
  Machine tool.
Tool. W. D. Brown. 2,579,360, Dec. 18.
Toolholder. R. Kramer. 2,579,082, Dec. 18.
Toothbrush, Retractable and folding. M. E. Sherland, Sr. 2,579,343, Dec. 18.
Toy, Moving figure. M. Zang. 2,579,246, Dec. 18.
Toy, Spinning. J. L., C. L., and J. B. Spencer. 2,579,022, Dec. 18.
Trailer automatic guide, Two-wheel. C. W. Land. 2,579,118, Dec. 18.
Trailer tractor chassis adjusting device. H. V. Hagely. 2,578,972, Dec. 18.
Train order dispatch device. O. E. Lewis and L. C. Bussinger. 2,578,891, Dec. 18.
Transformer. M. H. Dole. 2,579,308, Dec. 18.
Transmission line distortion corrector. L. G. Abraham. 2,579,285, Dec. 18.
Transporting device, Foldable and extensible. F. Carrera. 2,579,448, Dec. 18.
Trap: *See*—
  Animal trap.
Trap for rodents. S. Roesner. 2,579,093, Dec. 18.
Tray, Drip. M. L. Channell. 2,579,065, Dec. 18.
Treating gelatin capsules and product resulting therefrom. B. T. Palermo and S. C. McMillion. 2,578,943, Dec. 18.
Trenching machine. H. Van Donselaar. 2,579,025, Dec. 18.
Trimethylol phenol compound and derivatives thereof. R. W. Martin. 2,579,329, Dec. 18.
Truck, Material handling industrial. F. C. and J. A. Heidrick. 2,578,802, Dec. 18.
Tube: *See*—
  Isocon pickup tube.
Tubeflo section. W. Bisch. 2,578,917, Dec. 18.
Tuner and time circuit control, Automatic. F. Scalise. 2,578,843, Dec. 18.
Turbocharger, Air-cooled. H. Davis. 2,578,785, Dec. 18.
2,4-diamino-5-benzylpyrimidines 2. G. H. Hitchings and E. A. Falco. 2,579,259, Dec. 18.
2 - tertiaryamino - 6 - (dialkylaminoalkoxy) - benzothiazoles and their manufacture. N. Steiger and O. Keller. 2,578,757, Dec. 18.
Typewriter for writing continuously in opposite directions. G. Zint. 2,578,771, Dec. 18.
Uniform cap. H. Lev. 2,579,196, Dec. 18.
Unitary starting and dynamic braking system for internal-combustion engines. S. W. Newell. 2,579,155, Dec. 18.
Unloader valve. H. E. Rose. 2,579,051, Dec. 18.
Unloading system for volatile liquids. E. D. Mattix and C. W. Stokes. 2,579,200, Dec. 18.
Unsaturated dioxolane compounds, products prepared therefrom, and preparation. W. M. Thomas and E. L. Kropa. 2,578,861, Dec. 18.
Vacuum distillation apparatus. K. C. D. Hickman. 2,578,999, Dec. 18.
Vacuum seal for fluorine generation system. D. O. Hubbard. 2,579,234, Dec. 18.
Valve: *See*—
  Air blow gun valve. Relief valve.
  Compressor unloading valve. Toilet flushing valve.
  Liquid valve. Unloader valve.
Valve actuating mechanism for multiple-row radial engines. G. D. Angle. 2,578,875, Dec. 18.
Valve cap gauge. R. L. Mercer. 2,579,120, Dec. 18.
Valve construction. C. M. Breed. 2,578,920, Dec. 18.
Valve control means for fluid pressure systems. W. H. Worthington. 2,579,134, Dec. 18.
Valve for fuel systems, Float. D. Samiran. 2,578,745, Dec. 18.
Vamp lining for safety shoes. E. L. Schultz. 2,578,987, Dec. 18.
Variable-speed drive. W. E. Raney. 2,578,837, Dec. 18.
Variable-speed transmission. A. G. Bade. 2,578,914, Dec. 18.
Variable tension drag for fishing reels. H. I. Mandolf and S. W. Baker. 2,578,978, Dec. 18.
Vehicle. G. Chausson. 2,578,671, Dec. 18.
Vehicle carried inductive receiver. L. R. Allison and H. V. Rudolph. 2,579,288, Dec. 18.
Vehicle construction. W. Josephian. 2,579,003, Dec. 18.
Vehicle hitch assembly. C. W. Hansen. 2,579,232, Dec. 18.
Vehicle suspension, Constant level. A. S. Krotz and R. C. Austin. 2,579,084, Dec. 18.
Vehicle top, Collapsible. M. Bessonneau. 2,578,991, Dec. 18.
Vending machine, Newspaper. L. R. Davis and E. Lester. 2,579,068, Dec. 18.
Venetian blind. R. Bruner. 2,579,137, Dec. 18.
Venetian blind. H. J. Schultz. 2,578,749, Dec. 18.
Venetian blind. B. Walker. 2,578,766, Dec. 18.
Venetian blind supporting bracket. S. Levine. 2,579,197, Dec. 18.
Ventilating system for refrigerator mechanisms. A. M. Thompson. 2,579,056, Dec. 18.
Vest, Electrically heated. F. K. Goudsmit. 2,579,383, Dec. 18.
Vinyl ethers, Production of. R. L. Adelman. 2,579,411, Dec. 18.
Vinyl polymer compositions containing as a plasticizer an ester of a pentaerythritol hydroxyalkyl ether. C. J. Vander Valk. 2,579,219, Dec. 18.
Vinyl resins plasticized with trimethylol propane trioctanoate. G. L. Fraser. 2,578,688, Dec. 18.
Wall bracket for radiators. B. I. Downs. 2,578,993, Dec. 18.
Washing machine. G. W. Dunham. 2,579,310, Dec. 18.
Washing machine of the spin dry type. G. W. Dunham. 2,579,309, Dec. 18.
Weighing and packaging apparatus. E. E. and A. W. Lippmann. 2,579,237, Dec. 18.
Weighing scale stirrup. N. E. Hart. 2,578,931, Dec. 18.
Welding unit. A. F. Pityo and H. E. Butterfield, Jr. 2,578,835, Dec. 18.
Well packer. T. M. Ragan. 2,578,900, Dec. 18.
Wide band feed through stub. R. W. Masters. 2,579,152, Dec. 18.
Wide range liquid fuel burner and method for increasing adjustability range of whirl-type atomizing burners. J. A. te Nuyl. 2,579,215, Dec. 18.
Wind-driven power generator. C. R. Fairey. 2,579,311, Dec. 18.
Winding and stopping mechanism for Venetian blinds. F. Griesser. 2,579,144, Dec. 18.
Winding machine. N. Marcalus. 2,579,199, Dec. 18.
Winding stem with removable crown. W. Schmitz. 2,579,340, Dec. 18.
Window chair. R. Windgassen. 2,579,164, Dec. 18.
Window construction. W. J. Sherry. 2,579,099, Dec. 18.
Work holder for grinding router bits. L. C. Hammond. 2,578,884, Dec. 18.
Wrench: *See*—
  Impact wrench. Split ratchet socket wrench.
  Open-sided-socket ratchet wrench.
Wrench for turning flywheels, Spanner. L. S. and J. L. Stites. 2,578,855, Dec. 18.
Yarn and production, Asbestos. I. J. Novak and C. W. Palm. 2,578,941, Dec. 18.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 18, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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Condition of Applications Under Examination at Close of Business Nov. 30, 1951

Total number of patent applications awaiting action, 105,451. Date of oldest new application, January 12, 1951; date of oldest amended application, January 13, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	1-22-51	1-25-51	2, 208
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-11-51	4-18-51	1, 089
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	4-4-51	4-5-51	1, 566
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-5-51	2-5-51	2, 006
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-16-51	4-17-51	1, 154
6. SURLE, H., Carbon Chemistry (part)	3-21-51	3-20-51	1, 912
7. GONSALVES, J. E., Optics; Photography (part)	4-6-51	3-24-51	1, 312
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-20-51	2-21-51	1, 797
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	2-12-51	2-12-51	1, 552
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	2-2-51	2-2-51	1, 171
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	3-15-51	3-3-51	1, 009
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-15-51	3-5-51	1, 043
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-13-51	2-17-51	1, 227
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	2-17-51	2-19-51	1, 641
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-26-51	4-26-51	1, 269
16. LOVEWELL, N. N., Television, Telephony	2-1-51	2-2-51	1, 278
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	2-2-51	2-6-51	1, 663
18. KURZ, J. A., Power Plants; Speed Responsive Devices	2-2-51	2-1-51	1, 551
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	2-6-51	2-6-51	1, 133
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	2-20-51	2-20-51	1, 473
21. MADER, R. C., Textiles	1-29-51	1-29-51	1, 504
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	2-13-51	2-12-51	1, 262
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-2-51	2-1-51	850
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	4-2-51	4-10-51	1, 624
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-14-51	3-19-51	1, 337
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-31-51	2-2-51	1, 210
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	1-12-51	1-13-51	2, 084
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-10-51	2-2-51	1, 541
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	2-9-51	2-1-51	1, 489
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	4-2-51	4-2-51	1, 547
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-2-51	3-16-51	1, 989
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	2-21-51	2-6-51	1, 332
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-6-51	2-28-51	2, 200
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-5-51	3-1-51	1, 270
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	2-1-51	2-1-51	1, 651
36. McFADYEN, A. D., Measuring and Testing	2-2-51	2-1-51	1, 364
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-3-51	3-31-51	1, 219
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-13-51	2-1-51	1, 410
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-2-51	4-2-51	2, 128
40. DRUMMOND, E. J., Receptacles (part); Packages	3-1-51	3-1-51	2, 548
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-2-51	1-26-51	1, 218

*Commissioner's Examiners' Division.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,451. Date of oldest new application, January 12, 1951; date of oldest amended application, January 13, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	2-14-51	2-15-51	1,352
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	4-11-51	3-15-51	1,100
44. HARVEY, L. P., Beds; Chairs, Seats	2-17-51	1-30-51	1,454
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	1-23-51	1-24-51	1,564
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	3-1-51	3-1-51	967
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	2-26-51	3-1-51	1,475
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	2-24-51	2-24-51	1,490
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	2-12-51	2-5-51	1,687
50. LEVIN, S., Synthetic Resins	5-28-51	5-14-51	1,575
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-2-51	2-5-51	1,093
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	2-6-51	2-5-51	2,241
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	3-20-51	3-14-51	1,118
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-2-51	2-26-51	1,629
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	3-19-51	3-24-51	1,133
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separationor Purification.	3-28-51	3-26-51	1,697
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	3-2-51	2-24-51	1,807
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-5-51	2-7-51	1,229
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	3-7-51	3-1-51	1,265
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	2-27-51	2-21-51	1,118
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-1-51	3-1-51	1,422
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	2-21-51	2-12-51	1,411
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	3-14-51	3-16-51	1,751
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-1-51	4-25-51	1,737
65. MORSE, E. L. Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-13-51	3-3-51	1,473
66. LISANN, I., G, eometrical Instruments; Automatic Weighers; Weighing Scales	2-7-51	2-1-51	1,138
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-2-51	3-2-51	1,309
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	2-7-51	2-9-51	1,759
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	2-13-51	2-8-51	1,383
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	2-3-51	1-31-51	1,637
DESIGNS: A. BREHM, G. L., Industrial Arts	7-3-51	7-5-51	925
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	7-5-51	7-7-51	681

Total number of trade-mark applications awaiting action (including renewals and republications), 16,291. Date of oldest new application, May 5, 1951; date of oldest amended application, May 5, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	5-5-51	5-5-51	5,067
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	6-2-51	5-31-51	3,245
Renewals (All Classes)	9-21-51	10-11-51	582
Republications (All Classes)	10-11-51	10-25-51	329
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-16-51	5-7-51	3,871
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-8-51	5-22-51	3,197

Condition of Applications Under Examination at Close of Business Nov. 30, 1951

Total number of patent applications awaiting action, 105,451. Date of oldest new application, January 12, 1951; date of oldest amended application, January 13, 1951.

	PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
		New	Amended	
*C.	E. D. HERTZ, M.			
1.	GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	1-22-51	1-25-51	2,208
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-11-51	4-18-51	1,089
3.	MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	4-4-51	4-5-51	1,566
4.	BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-5-51	2-5-51	2,006
5.	ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-16-51	4-17-51	1,154
6.	BURLE, H., Carbon Chemistry (part)	3-21-51	3-20-51	1,912
7.	GONSALVES, J. E., Optics; Photography (part)	4-6-51	3-24-51	1,312
8.	LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-20-51	2-21-51	1,797
9.	BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	2-12-51	2-12-51	1,552
10.	ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	2-2-51	2-2-51	1,171
11.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	3-15-51	3-3-51	1,009
12.	SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-15-51	3-5-51	1,043
13.	BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-13-51	2-17-51	1,227
14.	MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	2-17-51	2-19-51	1,641
15.	HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	4-26-51	4-26-51	1,269
16.	LOVEWELL, N. N., Television, Telephony	2-1-51	2-2-51	1,278
17.	LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	2-2-51	2-6-51	1,663
18.	KURZ, J. A., Power Plants; Speed Responsive Devices	2-2-51	2-1-51	1,551
19.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	2-6-51	2-6-51	1,133
20.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	2-20-51	2-20-51	1,473
21.	MADER, R. C., Textiles	1-29-51	1-29-51	1,504
22.	MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	2-13-51	2-12-51	1,262
23.	LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-2-51	2-1-51	850
24.	DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	4-2-51	4-10-51	1,624
25.	NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-14-51	3-19-51	1,337
26.	YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	1-31-51	2-2-51	1,210
27.	JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	1-12-51	1-13-51	2,084
28.	BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-10-51	2-2-51	1,541
29.	HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	2-9-51	2-1-51	1,489
30.	BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	4-2-51	4-2-51	1,547
31.	HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-2-51	3-16-51	1,989
32.	LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	2-21-51	2-6-51	1,332
33.	MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-6-51	2-28-51	2,200
34.	SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-5-51	3-1-51	1,270
35.	BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	2-1-51	2-1-51	1,651
36.	McFADYEN, A. D., Measuring and Testing	2-2-51	2-1-51	1,364
37.	REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-3-51	3-31-51	1,219
38.	ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-13-51	2-1-51	1,410
39.	WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-2-51	4-2-51	2,128
40.	DRUMMOND, E. J., Receptacles (part); Packages	3-1-51	3-1-51	2,548
41.	GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-2-51	1-26-51	1,218

*Commissioner's Examiners' Division.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,906,361, L. F. Berry, Cash register; 2,458,850, F. W. Hardwick, Target release actuator for toy cash registers; 2,458,863, H. A. Kroenlein, Combination key holder and tension member for toy cash registers, D. C., E. D. Mich. (Detroit), Doc. 8271, *Ruth P. Berry* v. *Montgomery Ward & Co.* Consent judgment dismissing complaint with prejudice (notice Nov. 9, 1951).

2,133,642, 2,133,644, 2,133,645, 2,133,646, 2,133,648, G. W. Pierce, Electrical system; 2,133,643, same, Electrical system and apparatus; 2,266,070, same, Electromechanical vibrator apparatus, filed June 1, 1951, D. C. Mass. (Boston), Doc. 51/526, *G. W. Pierce* v. *American Communication Co., Inc.*

2,133,643. (See 2,133,642.) 2,133,644. (See 2,133,642.)

2,133,645. (See 2,133,642.) 2,133,646. (See 2,133,642.)

2,133,648. (See 2,133,642.) 2,266,070. (See 2,133,642.)

2,320,553, Barnes & Minor, Means for positioning expansible collars on pipe; 2,327,088, same, Apparatus for installing protectors on drill pipe, D. C., S. D. Calif. (Los Angeles), Doc. 7892-HW, *Bettis Rubber Co.* v. *Medearis Oil Well Supply Co. et al.* Stipulation and order dismissing case with prejudice (notice Nov. 5, 1951).

2,327,088. (See 2,320,553.)

2,345,425, F. Phillips, Sod cutter, D. C., S. D. Ind. (New Albany), Doc. 457, *F. Phillips* v. *Pierce Bros.* Consent decree holding patent valid and infringed; injunction Oct. 23, 1951.

2,367,353, L. Hunau, Brassière, filed Nov. 13, 1951, D. C., S. D. N. Y., Doc. 71/55, *L. Hunau* v. *Model Brassiere Corp.*

2,396,466, C. A. Herold, Apparatus for making masking tapes, D. C. N. J. (Newark), Doc. 703/51, *Paper Novelty Mfg. Co.* v. *Gleicher Mfg. Corp.* Consent order declaring patent valid Nov. 16, 1951.

2,423,402, E. C. Olsen, Awning supporting frame and adjustable connector therefor, D. C., S. D. Calif. (Los Angeles), Doc. 11651-WM, *E. C. Olsen* v. *State Awning Co.* Patent held invalid; complaint and supplemental complaints dismissed; counterclaim of defendant sustained (notice Nov. 8, 1951). Doc. 11770-C, *E. C. Olsen* v. *J. T. Brown.* Decree as above.

2,458,850. (See 1,906,361.) 2,458,863. (See 1,906,361.)

2,501,942, O. W. Hueter, Suction cup placement; Des. 152,475, same, Article holding guard, D. C., N. D. Ohio (Toledo), Doc. 6355, *Dashpal Co.* v. *H. & W. Auto Accessories Co. et al.* Judgment for defendant, patents held invalid Nov. 15, 1951. Doc. 6242, *Dashpal Co.* v. *Sears, Roebuck & Co.* Decree as above.

2,531,234, P. H. Seckel, Longitudinally separable extruded thermoplastic strip and process of producing same, D. C., S. D. N. Y., Doc. 63/330, *R. A. Fiech* v. *Novelty Binding and Trimming Co.* Stipulation and order of dismissal (notice Nov. 14, 1951).

Des. 151,732, Des. 151,733, W. C. Bley, Lady's stocking, D. C., S. D. N. Y., Doc. 68/351, *Sanson Hosiery Mills, Inc., et al.* v. *The Mayer Co., Inc.* Consent judgment holding patents valid Nov. 13, 1951.

Des. 151,733. (See Des. 151,732.)

Des. 152,475. (See 2,501,942.)

Des. 157,534, G. L. Price, Combination pencil box, ruler and pencil sharpener, D. C., N. J. (Newark), Doc. 446/50, *G. L. Price* v. *Sterling Plastics Co.* Consent order dismissing complaint and counterclaim Nov. 14, 1951.

Des. 158,850, Des. 160,588, R. Friedrich, Jr., Stocking, counterclaim filed Nov. 13, 1951, D. C., N. J. (Camden), Doc. 975/51, *Sanson Hosiery Mills, Inc., et al.* v. *L'Opera Hosiery Mill, Inc.*

Des. 160,588. (See Des. 158,850.)

Des. 163,126, J. H. Kushner, Finger ring mounting, filed Feb. 14, 1951, D. C., S. D. N. Y., Doc. —, *J. H. Kushner* v. *Karlan & Bleicher, Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 30,942, Dresdener Chemisches Laboratorium Lingner, Powders, washes, soaps, etc. for teeth, hair and skin; T. M. 70,021, K. A. Lingner, Mouthwashes, powders, and paste, used as dentifrices, filed Nov. 14, 1951, D. C., S. D. N. Y., Doc. 71/79, *Odol Chemical Corp.* v. *Revlon Products Corp.*

T. M. 70,021. (See T. M. 30,942.)

T. M. 296,939, Goldring-Neiman Corp., Ladies' coats, suits, dresses, etc., filed Nov. 9, 1951, D. C., S. D. N. Y., Doc. 71/40, *Goldring, Inc.* v. *Townley Clothes, Inc.*

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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Notice of Tentative Recordation of Trade Name

[T. D. 52875]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Nov. 29, 1951

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"S. CO. T. INCORPORATED" owned by S. Co. T., Incorporated, a corporation of New York, Suite 824, 11 West 42nd Street, New York 18, New York, which name is used in connection with the importation and distribution of superchargers manufactured in Italy.

Any person who desires to file an opposition to the recordation of this trade name shall notify the Commissioner of Customs, Bureau of Customs, Washington 25, D. C., before the expiration of 30 days after December 20, 1951, of his intent to oppose the recordation. If a notice of opposition is filed, the opposer will be furnished with a copy of the application for recordation of the trade name, together with its supporting documents and instructions as to the procedure to be followed. The customs officers concerned will be given notice within 45 days after December 20, 1951, of any opposition proceeding.

Until 45 days after December 20, 1951, all articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless a notice is received that an opposition has been filed, in which case such articles shall continue to be detained until a final determination is made concerning the right of the applicant to the trade name.

(Signed) FRANK DOW,
Commissioner of Customs.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,484,667, M. B. Arisman, A. J. Vaksvik, and R. W. Magnussen, Driver for variable resistor, claims 1, 2, 3, 4, 5, 6, 7, and 8.

Pat. 2,514,028, W. S Cloud, Means for controlling stretch in stretch-wrapping, claims 2 and 4.

Pat. 2,545,111, G. Schaubert, Hydraulic lift for wheeled farm implements, claim 1.

Disclaimers

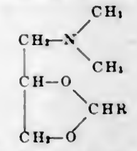
2,560,632.—*Paul H. Carnell*, Albion, Mich. STABILIZING CRACKED DISTILLATE. Patent dated July 17, 1951. Disclaimer filed Oct. 17, 1951, by the assignee, *Leonard Refineries, Inc.*

Hereby enters this disclaimer to claims 1 to 10, inclusive, of said patent, to all processes embraced by said claims, except those in which formaldehyde remains dissolved or dispersed in the finished distillate, and thus remains available to exert its inhibiting and stabilizing effect during normal storage of said distillate.

2,445,393.—*Ernest Fourneau*, Paris, France. NEW AMINO-DERIVATIVES OF DIOXA-CYCLOPENTANE. Patent dated July 20, 1948. Disclaimer filed Nov. 8, 1951, by the assignee, *Societe des Usines Chimiques Rhone Poulenc.*

Hereby enters this disclaimer to as much of the claim 1 of said patent as is in excess of the following:

Dioxacyclopentane derivatives of the general formula:



(wherein R denotes a radical selected from the class consisting of hydrogen atoms and methyl radicals) and their quaternary salts, and also hereby enters this disclaimer to claim 4 of said patent.

Cancellation Notices

The Gifford Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Dominick J. Nicoletti, 15 Sherman St., New Rochelle, N. Y., to effect the cancellation of trade-mark registration of The Gifford Company, 96 Prince St., New York, N. Y., No. 344,035, dated March 9, 1937, and the notice of such proceeding sent by registered mail to the said The Gifford Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Gifford Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Nov. 9, 1951. *Assistant Commissioner of Patents.*

Frank Bertucci, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by William D. Borg, 1047 W. Manchester Ave., Los Angeles 44, Calif., to effect the cancellation of trade-mark registration of Frank Bertucci, 368 Rolling St., Malverne, Long Island, New York, N. Y., No. 371,003, dated September 12, 1939, and the notice of such proceeding sent by registered mail to the said Frank Bertucci at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Frank Bertucci, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Nov. 16, 1951. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,554,910. Vehicle Lifting Device. Patented May 29, 1951. Bumper jack may be operated without incurring needless stress, binding, or unnecessary friction between parts which should move freely. The arms of a U-shaped yoke are formed with undercut notches to provide bearing surfaces to pivotally engage lateral stub shaft bearing projections on opposite sides of lifting member of jack. The base of the yoke carries a J-shaped hook to engage a vehicle bumper, and horizontal projections to engage the outer side of bumper to brace the load. Modifications show jacks of the screw, ratchet, and hydraulic type. (Owner) Aage Jensen, 6045 39th Ave., Kenosha, Wis. Groups 35—69; 38—31. Reg. No. 45,765.

Pat. 2,556,980. Housing Enclosing Paste Container Having Container-Puncturing and Destroying Means, and Paste Extruder and Outlet Controller With Common Actuator. Patented June 12, 1951. A dispenser for paste or plastic materials has a molded casing with a cylinder to receive a disposable paste cartridge. A piston within the cylinder has knife blades to slit the sides of the cartridge as piston moves therethrough. A slide valve normally closes a discharge nozzle in the casing. A trigger may be pressed to simultaneously open the valve and actuate mechanism to move the piston to expel the paste. The piston pushes the bottom of the cartridge ahead of it into the cartridge. (Owner) Robert F. Raedecke, Satisfaction Dental Laboratories, 204–208 Professional Bldg., Elgin, Ill. Groups 34—92; 40. Reg. No. 45,766.

Pat. 2,387,737. Tensiometer. Patented Oct. 30, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Tensiometer may be used to adjust the tension on guys of tall towers and the like. It comprises a pair of spaced clamps secured to opposite ends of a pair of elongated spring metal strips. The clamps may be secured to a slack guy at any convenient point with the strips disposed in bows on opposite sides of the guy. As the guy is tensioned, the distance between the clamps increases, causing a decrease in the rise of the bows, so that the amount of tension applied on the guy may be readily ascertained. After desired tension has been applied on the guy, the tensiometer is removed. (Owner) Eric A. Black, 46 Shrewsbury Ave., Red Bank, N. J. Group 35—65. Reg. No. 45,767.

Pat. 2,449,049. Adjustable Support. Patented Sept. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Support for attachment to the lower end of a leg of a tripod or the like is universally and longitudinally adjustable relative to a base plate. The support includes upper and lower roller bearing members engaging opposite sides of a base or bearing plate with a yoke pivoted to the upper roller. The lower end of a longitudinally adjustable leg member is secured to the base of the yoke. The upper end of the leg member may be readily adjusted and clamped to a flange of a tripod leg or the like. (Owner) Eric A. Black, 46 Shrewsbury Ave., Red Bank, N. J. Groups 36—61—92; 39—11—12. Reg. No. 45,768.

Pat. 2,490,773. Tensiometer. Patented Dec. 13, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Tensiometer for adjusting the tension on a guy of a tall tower or the like may be permanently coupled to the spaced free end portions of a guy, so that guy tension may be periodically adjusted without the use of additional apparatus. The device may be set for a predetermined tension. After the desired tension has been applied on the guy, a tie rod and a fulcrum lever of the device may be locked together to maintain such tension. Certain parts, which might be adversely affected by the weather, may be readily removed after the tie rod and lever have been locked together, and subsequently re-installed when desired. (Owner) Eric A. Black, 46 Shrewsbury Ave., Red Bank, N. J. Group 35—65. Reg. No. 45,769.

Pat. 2,554,127. Hydraulic Jack. Patented May 22, 1951. The handle of this hydraulic vise may be turned to one position and pulled outwardly to quickly open vise, and pushed inwardly to quickly slide the movable jaw into contact with the work. The handle may then be turned to another position and oscillated to hydraulically close vise. The handle and movable jaw are connected to a piston rod extending through a non-rotatable power piston, which divides a cylinder into two chambers. A cam, on the inner end of the rod, when turned to one position and oscillated, actuates a pump in the piston to pump fluid from one chamber into the other to move piston. The cam, when turned to another position, opens a relief valve in a fluid passage through the piston. (Owner) Fielding B. Simmons, 1034 Grant St., Vallejo, Calif. Groups 33—52—92; 35—69. Reg. No. 45,770.

Pat. 2,534,035. Spring Nut Lock. Patented Dec. 12, 1950. Self-locking nut has recess in upper portion for an arcuate spring, the bent pointed ends of which project into the bolt threads. A removable cover or split spring steel washer retains the spring in the groove. The play for the points in their housing is such that a path is imposed upon them represented by an arc of a circle that is secant to the circumference in bottom of thread. This permits the points to yield to the screwing action and resist unscrewing in the reverse direction by wedging in bottom of recess with the spring resting on wall of housing. (Owner) Louis Lachatre, à Baulne par La Ferté Alais (Seine & Oise), France. Group 33—12—91. Reg. No. 45,771.

Pat. 2,561,275. Ash Collector With Shredding Means. Patented July 17, 1951. Ash tray for automobiles, airplanes, and the like is in the form of a mechanical grinder which disintegrates the deposited refuse and empties the refuse exterior of the vehicle. A hooded hopper has a hinged door with a tray-like chute mounted on inner side of door having an inclined bottom with clearance notches. A rotatable shaft on the chute has fingers turnable through the notches for shredding the refuse when tray is moved from open to closed position. The refuse is discharged by gravity and suction through a conduit and Venturi tube, which establishes suction in the conduit. (Owner) William E. Hentschel, 19145 Votrobeck Drive, Detroit 19, Mich. Groups 37—21; 38—31. Reg. No. 45,772.

General Electric Company offers the following patents for non-exclusive licensing upon reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following patents are classified in Groups 26—26: 28—34—51—83—86—88—89—99; 32—97; 33—52—66—75—99; 34—19—81; 35—19—42—43—61—66—67—69—84; 36—11—13—19—21—31—41—62; 37—21—22; 39—11—13. Reg. Nos. 45,773 through 45,854.

Pat. 1,996,598. Abrading Tool. Apr. 2, 1935.

Pat. 2,296,023. Burner. Sept. 15, 1942.

Pat. 2,303,114. Sealing Device. Nov. 24, 1942.

Pat. 2,402,204. Apparatus for Assembling Centrifugal Impellers. June 18, 1946.

Pat. 2,405,164. Turbine Stator. Aug. 6, 1946.

Pat. 2,409,446. Airplane Power Plant. Oct. 15, 1946.

Pat. 2,410,588. Turbine Blade and Assembly Thereof. Nov. 5, 1946.

Pat. 2,414,551. Compressor. Jan. 21, 1947.

Pat. 2,416,948. Hydraulic Turbine Type Torque Converter and Fluid Coupling. Mar. 4, 1947.

Pat. 2,430,140. Turbine Blade and Mounting. Nov. 4, 1947.

Pat. 2,501,034. Epicyclic Gear. Mar. 21, 1950.

Pat. 2,493,601. Fuse Link. Jan. 3, 1950.

Pat. 2,493,743. Air-Cooled Spark Plug. Jan. 10, 1950.

Pat. 2,494,349. Method and Means for Forming Stacked Magnetic Cores. Jan. 10, 1950.

Pat. 2,494,365. Generator Fault Protection. Jan. 10, 1950.

Pat. 2,495,154. Lightning Arrester. Jan. 17, 1950.

Pat. 2,495,633. Shockproof Holding Device. Jan. 24, 1950.

Pat. 2,496,867. 3-Vinylpyrene and Method of Preparing the Same. Feb. 7, 1950.

Pat. 2,496,868. Polymers of 3-Vinylpyrene. Feb. 7, 1950.

Pat. 2,497,650. Dynamoelectric Machine. Feb. 14, 1950.

Pat. 2,497,695. Emergency Shutoff Device. Feb. 14, 1950.

Pat. 2,499,176. Radiator Cooling System, Temperature Control. Feb. 28, 1950.

Pat. 2,500,745. Bucket Structure for High-Temperature Turbomachines. Mar. 14, 1950.

Pat. 2,503,072. Axial Flow Impeller. Apr. 4, 1950.

Pat. 2,503,911. Protective Device. Apr. 11, 1950.

Pat. 2,503,912. Electric Capacitor. Apr. 11, 1950.

Pat. 2,503,916. Power Transmitting Device. Apr. 11, 1950.

Pat. 2,504,744. Glass Fiber Sheet Material. Apr. 18, 1950.

Pat. 2,505,545. Capacitor Paper. Apr. 25, 1950.

Pat. 2,508,099. Dielectric Composition. May 16, 1950.

Pat. 2,508,125. Dynamoelectric Machine. May 16, 1950.

Pat. 2,509,020. Electrical Contact Member and Method of Making the Same. May 23, 1950.

Pat. 2,509,021. Electrical Contact Member and Method of Making the Same. May 23, 1950.

Pat. 2,510,616. Differential Protective Arrangement. June 6, 1950.

Pat. 2,510,632. Machine Cooling System. June 6, 1950.

Pat. 2,511,674. Dynamometer. June 13, 1950.

Pat. 2,511,678. Driving Mechanism. June 13, 1950.

Pat. 2,512,349. Power Transmission Device. June 20, 1950.

Pat. 2,512,886. Dielectric Composition. June 27, 1950.

Pat. 2,514,983. Dynamoelectric Machine. July 11, 1950.

Pat. 2,517,129. Electric Valve Excitation and Control Circuit. Aug. 1, 1950.

Pat. 2,518,142. Tool for Handling Snap Rings. Aug. 8, 1950.

Pat. 2,518,159. Bearing Support for Dynamoelectric Machines. Aug. 8, 1950.

Pat. 2,518,192. Electric Coil Lead-In Anchor. Aug. 8, 1950.

Pat. 2,519,065. Dynamoelectric Machine. Aug. 15, 1950.

Pat. 2,519,895. Rotor for Dynamoelectric Machines. Aug. 22, 1950.

Pat. 2,519,918. Current Collector Member. Aug. 22, 1950.

Pat. 2,519,919. Dynamoelectric Machine. Aug. 22, 1950.

Pat. 2,522,233. Rotor for Permanent Magnet Dynamoelectric Machines. Sept. 12, 1950.

Pat. 2,522,236. Zero Current, Auto Exhausting, Vacuum Circuit Interrupter. Sept. 12, 1950.

Pat. 2,523,778. Grounding Transformer and Protective System Therefor. Sept. 26, 1950.

Pat. 2,524,525. Automatic Reclosing Circuit Interrupter. Oct. 3, 1950.

Pat. 2,524,552. Hydraulic Actuator for Turbine Stop Valves. Oct. 3, 1950.

Pat. 2,497,663. Selective Condition Control. Feb. 14, 1950.

Pat. 2,498,485. Method of Tinning a Steel Shell Bearing. Feb. 21, 1950.

Pat. 2,500,732. Process of Preparing Monoethyldibenzofuran. Mar. 14, 1950.

Pat. 2,500,733. Process of Preparing Vinyldibenzofuran. Mar. 14, 1950.

Pat. 2,500,734. Process of Preparing 2-Ethyldibenzofuran. Mar. 14, 1950.

Pat. 2,500,761. Preparation of Organo-Substituted Halogenosilanes. Mar. 14, 1950.

Pat. 2,505,388. Selective Variable Condition Control. Apr. 25, 1950.

Pat. 2,507,209. Method of Making Copolymers. May 9, 1950.

Pat. 2,513,934. Electric Switch. July 4, 1950.

Pat. 2,523,760. Clamping Device. Sept. 26, 1950.

Pat. 2,503,931. Lamp Holder for Circular Lamps. Apr. 11, 1950.

Pat. 2,504,642. Method for Punch Press Set Ups. Apr. 18, 1950.

Pat. 2,493,604. Insulating Paper of Asbestos and Bentonite. Jan. 3, 1950.

Pat. 2,505,521. Age Indicating Device for Electrical Apparatus. Apr. 25, 1950.

Pat. 2,513,958. Electric Insulating Bushing and Glass Therefor. July 4, 1950.

Pat. 2,515,788. Process for Coating Magnetic Materials. July 18, 1950.

Pat. 2,544,342. Castor Oil Ortho Silicate Gels. Mar. 6, 1951.

Pat. 2,553,554. Transformer Core. May 22, 1951.

Pat. 2,553,591. Electric Induction Apparatus. May 22, 1951.

Pat. 2,553,596. Induction Apparatus. May 22, 1951.

Pat. 2,554,974. Electric Circuit Breaker. May 29, 1951.

Pat. 2,534,962. Retractable Undercarriage for Aircraft. Dec. 19, 1950.

Pat. 2,552,166. Thrust Bearing Arrangement. May 8, 1951.

Pat. 2,555,004. Reciprocating Compressor With Unloading and Capacity Modulating Control. May 29, 1951.

Pat. 2,555,005. Reciprocating Compressor With Unloading and Capacity Modulating Control. May 29, 1951.

Pat. 2,555,009. Adjustable Louver Assembly for Discharge Outlets. May 29, 1951.

Pat. 2,555,012. Fluid Flow Control System and Valve Therefor. May 29, 1951.

Pat. 2,555,977. Moisture Content Monitor. June 5, 1951.

Pat. 2,555,994. Traffic Signal Controller With Pedestrian Actuation. June 5, 1951.

United States Government Owned Patents

The following two patents (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are the property of the United States of America as represented by the Secretary of the Interior by virtue of assignment from the inventors, Edwin A. Gee and Morton T. Pawel (Pat. 2,549,798), and Halvor T. Strandrud (Pat. 2,557,154). Non-exclusive and royalty-free licenses are available. Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,549,798. Production of Magnesium Chloride From Magnesium Silicate Ore. Patented Apr. 24, 1951. Process for producing magnesium chloride by acid digestion of silicate base magnesium minerals. The mineral is crushed and milled and a chemical analysis made of the ground ore. The treatment is carried out by an increment addition of one reactant to the other. The first mineral addition is between about 15 and 35% of the mineral, and the first acid addition is between about 65 and 95% of the quantity of acid required. On completion of the reaction, the balance of the mineral and acid is mixed and added. Gelatin of the liberated silica compound is inhibited and the filter rate of the treated slurry increased. Groups 28—88—89; 34—19. Reg. No. 45,855.

Pat. 2,557,154. Stabilized Negative Impedance Circuit. Patented June 19, 1951. A frequency-selective filter circuit includes feedback to increase selectivity. The circuit is operable in the frequency range from a few hundred to a few thousand cycles per second and is useful, for example, in network calculators. Group 36—61. Reg. No. 45,856.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 18, 1951

[VOL. 653. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 525,771. Daniel T. Bergman, doing business under the name and style of Bergman Manufacturing Company, San Francisco, Calif. Filed July 3, 1947.

Beautyware

The word "Ware" is disclaimed.

For Sauce Pans Made of Aluminum and Other Highly Polished Metal Materials.

Claims use since June 15, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 519,502. Douglas F. Winnek, Glen Cove, N. Y. Filed Mar. 24, 1947.

Grivision

For Cameras for Three-Dimensional Pictures, Photographic Projection Printers, and Stereoscopic X-Ray Cameras.

Claims use since May 1936.

CLASS 39

CLOTHING

Ser. No. 508,065. Owen Osborne Hosiery Mills, Inc., doing business as El-De Sales Company, Gainesville, Ga. Filed Aug. 26, 1940.

El-De Sales Company

The drawing is lined for shading. The term "Sales Company" is disclaimed.

For Hosiery for Men, Women, and Children.

Claims use since Jan. 28, 1946.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 499,830. Eaton-Clark Company, Detroit, Mich. Filed Apr. 8, 1946.

TRISOL

For General Pre-Spotter Agent for Removing Spots and Stains From Fabric or Garments Prior to Dry Cleaning the Same.

Claims use since October 1923.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 552,238. Floridin Company, Warren, Pa. Filed Mar. 18, 1948.

FLORIDEX

Applicant claims ownership of Registrations Nos. 338,817, 351,357, 369,789, 378,987, 389,993, and 391,282.

For Absorbents Prepared From Natural Earth—to Wit, Fuller's Earth.

Claims use since Sept. 1, 1946.

Ser. No. 561,809. The Dayton Rubber Company, Dayton, Ohio. Filed July 21, 1948.

Koolfoam

For Sponge Rubber Sheet Stock or Pads for Use in the Manufacture of Cushioning Materials.

Claims use since June 13, 1948.

Ser. No. 592,003. A. K. Salz Company, Santa Cruz, Calif. Filed Feb. 4, 1950. (Sec. 2f.)

CALIFORNIA SADDLE LEATHER

Applicant disclaims the exclusive right to the words "Saddle Leather."
For Cattle Hide Leather Tanned With California Oak Bark and Finished With a Highly Glazed Smooth Plated Surface.
Claims use since 1938.

Ser. No. 608,085. Will Ross, Inc., Milwaukee, Wis. Filed Dec. 26, 1950.

AREX

For Transparent Plastic Film-Like Sheeting Used for Throat Irritations, Hot Packs, Wet Dressings, Pillow Cases, Oxygen Tent Canopies, and Aprons.
Claims use since Oct. 7, 1949.

Ser. No. 611,441. Limestone Products Corporation of America, Newton, N. J. Filed Mar. 16, 1951.

0853 A. F. CALCITE

The word "Calcite" is disclaimed. Applicant claims ownership of Registrations Nos. 262,474, 263,924, and others.
For Ground or Pulverized Limestone for Animal and Poultry Feed Ingredient.
Claims use since Feb. 2, 1951.

CLASS 2

RECEPTACLES

Ser. No. 566,005. Knapp-Monarch Company, St. Louis, Mo. Filed July 29, 1948. (Sec. 2f.)

Camp-Jug

The word "Jug" is disclaimed. Applicant claims ownership of Registration No. 292,725.
For Insulated Jugs and Vacuum Jugs.
Claims use since 1926.

Ser. No. 566,006. Knapp-Monarch Company, St. Louis, Mo. Filed July 29, 1948. (Sec. 2f.)

Motor-Jug

The word "Jug" is disclaimed. Applicant claims ownership of Registration No. 292,726.
For Insulated Jugs and Vacuum Jugs.
Claims use since 1927.

Ser. No. 566,007. Knapp-Monarch Company, St. Louis, Mo. Filed July 29, 1948. (Sec. 2f.)

Outing-Jug

The word "Jug" is disclaimed. Applicant claims ownership of Registration No. 292,727.
For Insulated Jugs and Vacuum Jugs.
Claims use since 1926.

Ser. No. 589,826. Cadillac Products Inc., Ferndale, Mich. Filed Dec. 23, 1949.

POLY BAG

The word "Bag" is disclaimed.
For Flexible Plastic Bag.
Claims use since Sept. 19, 1949.

Ser. No. 602,172. Spenzer Container Corporation, Greenville, Pa. Filed Aug. 14, 1950.

CORPAK

For Telescoping Cardboard Cylinders With Metal End Caps for Shipping and Storage of Web Material, Such as Plastic Film.
Claims use since July 11, 1950.

Ser. No. 609,385. Clearview Products, Inc., New York, N. Y. Filed Jan. 30, 1951.

Signature

For Plastic Garment Storage Bags.
Claims use since Oct. 10, 1950.

Ser. No. 614,042. Edw. P. Cunningham, Inc., New Rochelle, N. Y. Filed May 18, 1951.

HATAINER

For Hat Boxes of the Type Used for the Shipment of Hats, and of the Type Used for the Storage and Preservation of Hats in the Home and Elsewhere.
Claims use since May 2, 1949.

CLASS 5

ADHESIVES

Ser. No. 577,928. Armour and Company, Chicago, Ill. Filed Apr. 29, 1949. (Sec. 2f.)

Armour

For Glue.
Claims use since 1885.

Ser. No. 591,182. Mid-States Gummed Paper Co., Chicago, Ill. Filed Jan. 20, 1950.

MID-STATES

Applicant claims ownership of Registration No. 162,551.
For Gummed Paper Tape and Gummed Cloth Tape.
Claims use since Feb. 8, 1922.

Ser. No. 592,812. Hammel, Riglander & Co. Inc., New York, N. Y. Filed Feb. 21, 1950. (Sec. 2f.)

VAN STAN'S STRATENA,
or Polytechnic London Cement

The word "Cement" is disclaimed. Applicant claims ownership of Registrations Nos. 3,956 and 8,400.
For Colorless, Transparent Adhesive Cement.
Claims use since 1876.

Ser. No. 598,482. Johns-Manville Corporation, New York, N. Y. Filed June 2, 1950.

4 STAR

For Friction Tape.
Claims use since Mar. 16, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 543,655. Regal Chemical Corporation, Brooklyn, N. Y. Filed Dec. 6, 1947.

Puff

For Insecticides.
Claims use since Nov. 5, 1947.

Ser. No. 569,056. The Davey Tree Expert Company, Kent, Ohio. Filed Nov. 19, 1948.

DAVEYNIST

For Insecticide.
Claims use since Apr. 22, 1948.

Ser. No. 588,767. Petrolite Corporation, Ltd., Webster Groves, Mo. Filed Dec. 3, 1949.

KORID

For Corrosion Resistant Coating.
Claims use since May 17, 1949.

Ser. No. 593,109. Clinton Foods Inc., Clinton, Iowa. Filed Feb. 27, 1950.

SUPREME

For Laundry Starch.
Claims use since Mar. 21, 1946.

Ser. No. 594,629. Dodge & Olcott, Inc., New York, N. Y. Filed Mar. 25, 1950.

SAVORSAL

For Chemical Preparation—Namely, Mono Sodium Glutamate, Having the Effect of Enhancing and Developing Existing Flavors in Foods and Beverages.
Claims use since November 1937.

Ser. No. 604,765. Ciba Limited, Basel, Switzerland. Filed Oct. 12, 1950.

ORALITH

Applicant claims ownership of Swiss Registration No. 132,272, dated Jan. 11, 1950.
For Dyestuffs.

Ser. No. 607,262. Petrolane, Ltd., Signal Hill, Calif. Filed Dec. 4, 1950. CONCURRENT USE with Serial No. 607,261, for the area comprising the entire United States of America and its Territories, except the States of Louisiana, Mississippi, Alabama, Arkansas, Florida, Georgia, and Tennessee.

PETROLANE

For Liquefied Gas.
Claims use since Feb. 1, 1930.

Ser. No. 610,520. Northrup, King & Co., Minneapolis, Minn. Filed Feb. 26, 1951.

Golf

Applicant claims ownership of Registration No. 504,918.
For Solution for Killing Crab Grass.
Claims use since Feb. 1, 1951.

Ser. No. 611,914. Walt Phillips, doing business as Phillips Scientific Laboratories, North Arlington, N. J. Filed Mar. 28, 1951.

MABROS

For Deodorizing Chemical Compositions.
Claims use since Jan. 12, 1951.

Ser. No. 612,722. Allied Chemical & Dye Corporation, New York, N. Y. Filed Apr. 17, 1951.

FLUOROSOL

For Substantially Colorless Fluorescent Synthetic Organic Chemicals.
Claims use since Apr. 11, 1949.

Ser. No. 612,995. Drac Manufacturing Co., New Blaine, Ark. Filed Apr. 23, 1951.



For Insecticides.
Claims use since June 20, 1950.

Ser. No. 613,222. Gallowhur Chemical Corporation, New York, N. Y. Filed Apr. 27, 1951.

PURASIST

For Chemical for Use as a Dyestuff Assistant for Synthetic Fibers and as an Antioxidant for Rubber Products.
Claims use since Mar. 15, 1951.

Ser. No. 614,151. Kinnard, Incorporated, Little Falls, N. J. Filed May 21, 1951.

SERF -O- LET

For Disinfectant Material for Sterilizing Toilet Bowls.
Claims use since July 1949.

Ser. No. 614,538. Burlington Soap Company, Burlington, Iowa. Filed May 31, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 300,634.
For Bluing Compound—Water Softener.
Claims use since Feb. 11, 1946.

CLASS 7

CORDAGE

Ser. No. 612,731. Columbian Rope Company, Auburn, N. Y. Filed Apr. 17, 1951.



The drawing is lined for red and blue. Applicant claims ownership of Registrations Nos. 61,075, 239,527, and 244,234.
For Rope.
Claims use since Oct. 13, 1950.

CLASS 10

FERTILIZERS

Ser. No. 608,518. Southern Fertilizer & Chemical Company, Savannah, Ga. Filed Jan. 8, 1951.



Applicant claims ownership of Registration No. 325,496.
For Fertilizers.
Claims use since October 1918.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 547,578. Stich Bros. Mfg. Co., Los Angeles, Calif. Filed Jan. 20, 1948.

STICHCRAFT

For Shower Bath Doors, Bath Tub Enclosures, and Shower Bath Enclosures.
Claims use since July 1946.

Ser. No. 565,160. Armstrong Cork Company, Lancaster, Pa. Filed Sept. 15, 1948.

CHEMPOINT

For Grouting Material—Namely, a Resin Emulsion and Dehydrating Powder Packaged for Admixture on the Job.
Claims use since Aug. 13, 1948.

Ser. No. 569,627. E. J. Lavino and Company, Philadelphia, Pa. Filed Nov. 30, 1948. (Sec. 2f.)

FERRO-BOND

For Conjoint Acting Combination of Partly Prepared Units for Kiln- and Electric-Furnace Lining—Namely, Partly Prepared Metallic Plates, and Partly and Specially Prepared Bricks Which when Placed in the Kiln or Furnace in a Prescribed Manner and Exposed to the First Firing, Chemical and Fusion Action Takes Place Between the Bricks and Plates to Produce a Finished Monolithic Furnace Lining.
Claims use since Aug. 4, 1939.

Ser. No. 574,983. Super Steel Products Co., Milwaukee, Wis. Filed Mar. 5, 1949. (Sec. 2f.)

SUPER STEEL PRODUCTS CO.

For Sky Lights.
Claims use since Aug. 8, 1933.

Ser. No. 582,851. National Store Fronts Co., Inc., Boston and Roxbury, Mass. Filed Aug. 2, 1949.

Butt Way

The word "Mouldings" is disclaimed.
For Mouldings Used for Window Panes for Store Front Constructions, Store Entrances and Doors for Buildings,

for Mirrors for Back Bars, for Fascia Strips for Marquees, for Awnings, and for Pilasters.
Claims use since Apr. 8, 1949.

Ser. No. 589,614. Zero Plywood Corp., Los Angeles, Calif. Filed Dec. 19, 1949.

VENETEX

For Plywood.
Claims use since November 1948.

Ser. No. 591,846. Globe Roofing Products Co., Inc., Whiting, Ind. Filed Feb. 2, 1950.

Thermalume

Applicant claims ownership of Registrations Nos. 363,337, 413,260, 413,678, and 423,553.
For Roofing, Insulating Board, and Insulated Siding.
Claims use since Jan. 20, 1950.

Ser. No. 593,342. The Gambrills Company, Inc., Gambrills, Md. Filed Mar. 3, 1950.

MORN-A-YARD

The drawing is lined for the color blue.
For Plaster Patch.
Claims use since Aug. 22, 1949.

Ser. No. 600,641. The Aerocrete Corporation of America, Rochelle Park, N. J. Filed July 14, 1950.



Applicant claims ownership of Registration No. 218,179.
For Ingredient To Be Introduced in Cement Mixes To Expand the Same Into Porous Concrete.
Claims use since October 1925.

Ser. No. 605,849. Douglas Fir Plywood Association, Tacoma, Wash. Filed Nov. 3, 1950. COLLECTIVE MARK. (Sec. 2f.)



Applicant claims ownership of Registration No. 394,128.
For Plywood.
Claims use since Oct. 1, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 593,269. Fee & Mason Mfg. Co., Inc., Manasquan, N. J. Filed Mar. 2, 1950.



For Pipe Hangers, Pipe Supports and Accessories, Pipe Stands, Pipe Protective Saddles, Swivel Couplers, and Turnbuckles.
Claims use since Sept. 15, 1949.

Ser. No. 593,988. Henry Valve Company, Melrose Park, Ill. Filed Mar. 15, 1950.

HENRY SENTRY

For Relief Valves—Namely, Throw Away and Replaceable Cartridge Over-Pressure Unloaders of the Rupture Disk Type.
Claims use since November 1949.

Ser. No. 598,825. Atlantic Steel Company, Atlanta, Ga. Filed June 9, 1950.

DXL

For Screw Pin Shackles.
Claims use since Oct. 15, 1945.

Ser. No. 614,649. Campbell Chain Company, York, Pa. Filed June 2, 1951.

TU-WAY

For Tire Chains.
Claims use since Mar. 1, 1950.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 592,183. Armco Steel Corporation, Middletown, Ohio. Filed Feb. 9, 1950. (Sec. 2f.)



The word "Rustless" is disclaimed. Applicant claims ownership of Registrations Nos. 424,315 and 421,862.
For Alloy Steel and Corrosion Resisting Alloy, Steel in the Form of Ingots, Castings, and Forgings, and in Wrought Forms Such as Fillets, Bars, Rods, Wire, and the Like.
Claims use since Oct. 1, 1943.

Ser. No. 593,396. The Carpenter Steel Company, Reading, Pa. Filed Mar. 4, 1950. (Sec. 2f as to "Carpenter.")

Carpenter MIRROMOLD

Applicant claims ownership of Registration No. 512,195.
For Steel in the Form of Bars, Billets, and Other Shapes.
Claims use since Mar. 18, 1946, as to the mark shown; and since Nov. 15, 1890, as to the word "Carpenter."

Ser. No. 593,397. The Carpenter Steel Company, Reading, Pa. Filed Mar. 4, 1950. (Sec. 2f as to "Carpenter.")

Carpenter STAR COLUMBIUM

The word "Columbium" is disclaimed. Applicant claims ownership of Registrations Nos. 151,703, 244,863, and others.
For Steel in the Form of Wire, Strips, Bars, Billets, and Other Shapes.
Claims use since Feb. 27, 1946, as to the mark shown; and since Nov. 15, 1890, as to "Carpenter."

CLASS 15

OILS AND GREASES

Ser. No. 613,249. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL ABRYTE

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil and Greases.
Claims use since Jan. 12, 1948.

Ser. No. 613,251. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL ADAKUT

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil.
Claims use since Jan. 19, 1948.

Ser. No. 613,252. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL ADELPA

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil.
Claims use since Mar. 25, 1948.

Ser. No. 613,253. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL AKUP

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Greases.
Claims use since Jan. 12, 1948.

Ser. No. 613,259. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL AMULKUT

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oils and Greases.
Claims use since Jan. 8, 1948.

Ser. No. 613,264. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL ARTISAN

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil and Greases.
Claims use since Jan. 9, 1948.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 571,885. The American Tobacco Company, New York, N. Y. Filed Jan. 10, 1949. (Sec. 2f.)

OLD CROP

For Plug Cut Tobacco for Smoking and Chewing.
Claims use since 1903.

Ser. No. 608,472. J. A. Pattreiouex (Overseas) Limited, London and Westminster, London, England. Filed Jan. 6, 1951.

CADET

Applicant claims ownership of British Registration No. 689,190, dated May 19, 1950.
For Cigarettes.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 566,141. Herb-Craft Health Products, Inc., Valparaiso, Ind. Filed Sept. 30, 1948.

HEALTH-CRAFT

For Cough Syrup, Cold Tablets, Laxatives, Diuretics, Foot Powder, Antiseptics, Chest Rub, Nasal Balm, Nerve Sedative, Palliatives, First Aid Salve, Liniment, Poison Ivy Lotion, Vitamin Tablets, and Mineral Tablets.
Claims use since Feb. 15, 1946.

Ser. No. 574,032. Hamer, Hamer & Hamer, Orlando, Fla. Filed Feb. 17, 1949. (Sec. 2f.)

Dr HAMERS

For Medicinal Hair Tonic and Preparation for Treating Diseases of the Skin, Such as Dandruff, Acne, Ringworm, Psoriasis, and Alopecia.
Claims use since June 1922.

Ser. No. 586,793. Melvin B. Cramer, doing business as Vi-De-Lan, Atlantic City, N. J. Filed Oct. 25, 1949.

VI-de-LAN

For Medicated Hair and Scalp Treatment Recommended to Check Loose Dandruff, Prevent Dryness, Help Retard Excessive Falling Hair, and Help Relieve Itching Scalp.
Claims use since Apr. 15, 1948.

Ser. No. 589,632. Borcherdt Malt Extract Company, Chicago, Ill. Filed Dec. 20, 1949.

UROLATE

Applicant claims ownership of Registration No. 331,918.
For Preparation for the Treatment of Bladder Infections.
Claims use since Nov. 9, 1949.

Ser. No. 590,709. Schenley Laboratories, Inc., New York, N. Y. Filed Jan. 11, 1950.

THIOZONE

For Chemo-Therapeutic Agent Consisting of Tablets Made of a Thiosemicarbazone for Pulmonary Diseases.
Claims use since Dec. 5, 1949.

Ser. No. 593,140. Reilly, Olcott & Company, Oneida, N. Y. Filed Feb. 27, 1950.

Thermogene

The word "Thermogene" is disclaimed.
For Medicated Wadding for the Treatment of Pneumatic Pains, Neuralgia, Bronchitis, Lumbago, Neuritic Pains, Sciatica, and Chest Colds.
Claims use since Mar. 29, 1949.

Ser. No. 593,496. The Norwich Pharmacal Company, Norwich, N. Y. Filed Mar. 6, 1950.

QUADRIN

For Antihistaminic Preparations for Oral Dosage.
Claims use since Feb. 17, 1950.

Ser. No. 593,504. Dr. Salsbury's Laboratories, Charles City, Iowa. Filed Mar. 6, 1950.

GS

The word "Factor" is disclaimed.
For Internal Preparations as Medicines and Nutritional Adjuvants for Poultry and Other Domestic Animals.
Claims use since Jan. 12, 1950.

Ser. No. 597,101. Dr. Salsbury's Laboratories, Charles City, Iowa. Filed May 8, 1950.

Nitrosal

For Preparation for the Treatment and Control of Coccidiosis in Chickens and in Turkeys, for Growth Stimulation in Birds, and for Other Internal and External Remedies in the Treatment of Poultry Diseases.
Claims use since Apr. 17, 1950.

Ser. No. 598,495. Norgine Laboratories, Inc., New York, N. Y. Filed June 2, 1950.

SPASMACOL

For Bulk Laxative, Combined With an Antispasmotic, Used in the Treatment of Constipation.
Claims use since Oct. 31, 1949.

Ser. No. 605,561. G. S. Stoddard & Co., Inc., New York, N. Y. Filed Oct. 28, 1950.

AM-PHEN-AL

Applicant claims ownership of Registration No. 285,786.
For Analgesic and Hypnotic Recommended as a Substitute for Opiates in the Relief of Pains.
Claims use since Dec. 1, 1929.

Ser. No. 605,562. G. S. Stoddard & Co., Inc., New York, N. Y. Filed Oct. 28, 1950.

ZYMOTERIC

Applicant claims ownership of Registration No. 285,782.
For Medicinal Tablets Used as an Aid to Intestinal Digestion and for Treating Diabetes Mellitus.
Claims use since Jan. 1, 1930.

Ser. No. 611,299. O'Connell Brothers, Inc., Overland and St. Louis, Mo. Filed Mar. 14, 1951.

OCATRAL

For Antispasmodic Tablets.
Claims use since Dec. 20, 1950.

Ser. No. 611,446. National Package Drugs, Inc., St. Louis, Mo. Filed Mar. 16, 1951.

RUBMASTER

Applicant claims ownership of Registrations Nos. 502,551 and 505,762.
For Rubbing Alcohol Compound.
Claims use since Feb. 6, 1951.

Ser. No. 611,529. Edward F. Peters, doing business as Berkely Medical Company, Berkely City, Mo. Filed Mar. 19, 1951.

O'DAN'GIS

For Medicinal Preparation Intended for Use as a Laxative and Tonic.
Claims use since Dec. 20, 1949.

Ser. No. 612,818. Neoco Corporation, Los Angeles, Calif. Filed Apr. 18, 1951.

THI-KO

For Pharmaceutical Preparation Sold in Tablet Form for Use as a Mild Analgesic and Anti-Pyretic To Relieve the Common Symptoms of a Minor Cold.
Claims use since Mar. 9, 1951.

Ser. No. 612,819. Organon Inc., Orange, N. J. Filed Apr. 18, 1951.

DI-MET

For Medicinal Preparation Used in the Treatment of the Menopause and Other Endocrine Disorders.
Claims use since Mar. 7, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 583,923. Freedco Products, Inc., New York, N. Y. Filed Aug. 24, 1949.

FREEDCO

For Replacement Parts for Passenger Automobiles, Trucks and Buses—Namely, Parts for the Ignition System Particularly Contact Sets, Voltage Regulators, Brushes, Condensers, Relays, Coils, Switches, Distributor Caps, Distributor Rotors, Resistors, Circuit Breakers, Starter Buttons, Battery Cables and Terminals, Headlight Switches, Spark Plug Cables, Ignition Switches, and Solenoid Starter Switches.
Claims use since November 1946.

Ser. No. 611,180. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Mar. 12, 1951.

CRINOTHENE

Applicant claims ownership of British Registration No. 644,234, dated Jan. 25, 1946.
For Electric Lampshades.

Ser. No. 611,958. Kilowattcher Corporation, Chicago, Ill. Filed Mar. 29, 1951.

KILOWATTCHER

For Control Switches for Electrical Current.
Claims use since Dec. 1, 1950.

Ser. No. 614,247. Florence Stove Company, Gardner, Mass. Filed May 23, 1951.

Florence

Applicant claims ownership of Registrations Nos. 112,850, 304,821, and 380,777.
For Electric Space Heaters.
Claims use since Mar. 30, 1951.

Ser. No. 614,316. Societe Anonyme: Le Carbone Lorraine, Paris, France. Filed May 24, 1951.

CIELOR

Applicant claims ownership of French Registration No. 347,938, dated Nov. 5, 1943.
For Arc Light Carbons.

Ser. No. 614,317. Societe Anonyme: Le Carbone Lorraine, Paris, France. Filed May 24, 1951.

ORLUX

Applicant claims ownership of French Registration No. 362,393, dated Dec. 4, 1945.
For Arc Light Carbons.

Ser. No. 614,325. Willard Storage Battery Company, Cleveland, Ohio. Filed May 24, 1951.

DIATEX

For Separators or Insulators Used in Storage Batteries.
Claims use since Apr. 23, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 617,498. Ideal Toy Corporation, Hollis, N. Y. Filed Aug. 9, 1951.

CATHREE

For Dolls.
Claims use since July 20, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 515,192. Muller Machinery Co., Inc., Metuchen, N. J. Original filed, act of 1905, Jan. 2, 1947; amended to application under act of 1946, Principal Register, May 15, 1950. (Sec. 2f.)

MULLER MIXER

The word "Mixer" is disclaimed.
For Concrete Mixers.
Claims use since October 1945.

Ser. No. 533,663. E. W. Bliss Company, Detroit, Mich., and Toledo, Ohio. Filed Sept. 6, 1947. (Sec. 2f.)

HYDRO BLISS DYNAMIC

Applicant claims ownership of Registrations Nos. 375,365, 75,362, 363,434, and 363,435.
For Hydraulic Working Presses of All Kinds.
Claims use since June 14, 1935.

Ser. No. 537,359. Purple Blade Corporation, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Filed Oct. 9, 1947.

SPEED ★ PAK

The word "Pak" is disclaimed.
For Razor Blades.
Claims use since Aug. 20, 1946.

Ser. No. 554,731. Straub Manufacturing Company, Inc., also doing business under the name Straub Mfg. Co., Oakland, Calif. Filed Apr. 15, 1948.

"GYRACONE"

For Machines and Parts Thereof for Crushing and Pulverizing Stone and Coal.
Claims use since Jan. 10, 1946.

Ser. No. 559,441. Dupli-Typer Company, New York, N. Y. Filed Apr. 26, 1948.

Dupli—Typer

The word "Typer" is disclaimed. Applicant claims ownership of Registration No. 314,759.
For Ribbon Mounting Frames for Typewriting Machines, and Attachments Therefor—Namely, Form Guides and Holding Clips.
Claims use since April 1931.

Ser. No. 574,966. Intercontinental Mfg. Company, Inc., Dallas, Tex. Filed Mar. 5, 1949.

INTERCONTINENTAL

For Tractors and Tractor Mounted and Trailing Farm Implements—Namely, Mouldboard Plows, Rolling Coulters, Disc Plows, Chisel Shank Cultivators, Planters, Spring Tooth Harrows, Disc Ridgers, Cultivators, Middlebusters, Mowers, Hay Rakes, Wheel Weights, Ditcher and Terracing Blades, Heavy Duty Furrowers, Stabilizers, Spike Tooth Harrows, Disc Harrows, Offset Disc Harrows, and Parts for Tractors and the Aforesaid Farm Implements.
Claims use since July 16, 1948.

Ser. No. 574,967. Intercontinental Mfg. Company, Inc., Dallas, Tex. Filed Mar. 5, 1949.

INTERCONTINENTAL 26

For Tractors and Tractor Mounted and Trailing Farm Implements—Namely, Mouldboard Plows, Rolling Coulters, Disc Plows, Chisel Shank Cultivators, Planters, Spring Tooth Harrows, Disc Ridgers, Cultivators, Middlebusters, Mowers, Hay Rakes, Wheel Weights, Ditcher and Terracing Blades, Heavy Duty Furrowers, Stabilizers, Spike Tooth Harrows, Disc Harrows, Offset Disc Harrows, and Parts for Tractors and the Aforesaid Farm Implements.
Claims use since July 16, 1948.

Ser. No. 575,828. Adams Plastics Co., Inc., Holyoke, Mass. Filed Mar. 22, 1949.

PAKKASTAG

The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 431,617.
For Plastic Handles for Cutlery.
Claims use since Sept. 15, 1948.

Ser. No. 585,735. Altheimer & Baer, Inc., Chicago, Ill. Filed Oct. 4, 1949.

ALL-TIMER DRILL—MAJOR

The word "Drill" is disclaimed.
For Power Tools for Grinding, Burring, Polishing, Sanding, Drilling, and Buffing.
Claims use since Aug. 10, 1949.

Ser. No. 589,265. Markwell Manufacturing Company, Inc., New York, N. Y. Filed Dec. 13, 1949.

STAPLE SAM



The word "Staple" and the representation of the staples are disclaimed.
For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal Together, and Also for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal on to Wood.
Claims use since Nov. 1, 1941.

Ser. No. 590,445. David Levow, New York, N. Y. Filed Jan. 6, 1950. (Sec. 2f.)

FITRITE

Applicant claims ownership of Registrations Nos. 190,510 and 237,877.
For Roofing Supplies and Equipment—Namely, Roof Scrapers, Slag Pushers, Dippers, Dipper Handles, Mop Vises, and Hoisting Wheels.
Claims use since 1930.

Ser. No. 591,434. Melco Manufacturing Company, Chicago, Ill. Filed Jan. 25, 1950. (Classified in Class 26.)

PLANTENDER

For Cast Metal Hand Tool for Planting, Cultivating, and Measuring.
Claims use since Dec. 20, 1949.

Ser. No. 594,757. Carboloy Company, Inc., Detroit, Mich., now by merger General Electric Company, a corporation of New York. Filed Mar. 28, 1950.

LIVE SPIRAL

The word "Spiral" is disclaimed.
For Tools for Boring and Drilling.
Claims use since Feb. 1, 1950.

Ser. No. 596,339. Platt Brothers (Sales) Limited, Oldham, Lancashire, England. Filed Apr. 26, 1950.

TRIZONA

Applicant claims ownership of British Registration No. 686,781, dated Feb. 27, 1950.
For Textile Spinning Machinery.

Ser. No. 600,498. Mila, Zavody na Sici Stroje, Narodni Podnik, also doing business under the name Mila, Sewing Machine Factory, National Corporation, Opava, Czechoslovakia, now by change of name Minerva, Narodni Podnik. Filed July 11, 1950.



The legend "Meliora Sunt Bono Inimica" means "The Better Is the Enemy of the Good." Applicant claims ownership of Czechoslovakia Registration No. 6420.
For Sewing Machines and Their Parts.
Claims use since April 1913 in Austria; and in commerce between foreign nations and the United States since November 1947.

Ser. No. 600,499. Mila, Zavody na Sici Stroje, Narodni Podnik, also doing business under the name Mila, Sewing Machines Factory, National Corporation, Opava, Czechoslovakia, now by change of name Minerva, Narodni Podnik. Filed July 11, 1950.

MINERVA

Applicant claims ownership of Czechoslovakia Registration No. 6421.
For Sewing Machines and Their Parts.
Claims use since April 1913 in Austria; and in commerce between foreign nations and the United States since November 1947.

Ser. No. 603,660. Bondact, Kansas City, Mo. Filed Sept. 18, 1950.

BONDACTOR

Applicant claims ownership of Registration No. 378,263.
For Air Pressurized Apparatus Comprising Material Containers and Conduits for Supplying Such Materials to a Mixing Nozzle, and Apparatus for Supplying Water to the Nozzle, All for Applying Cementitious Substances to Surfaces.
Claims use since Feb. 1, 1948.

Ser. No. 605,463. Bushman Products, Inc., Chicago, Ill. Filed Oct. 27, 1950.

JAR-BO

For Jar and Bottle Openers.
Claims use since Sept. 18, 1949.

Ser. No. 605,773. Yates-American Machine Company, Beloit, Wis. Filed Nov. 1, 1950.



Applicant claims ownership of Registration No. 290,519.
For Woodworking Machinery and Tools Therefor—Namely, Band Saws, Surfacers, Lathes, Mortisers, Sanders, Shapers, Jointers, Matchers, Moulders, Ripsaws, Resaws, Cutters, Knives, and Bits.
Claims use since Oct. 1, 1948.

Ser. No. 612,665. Newaygo Engineering Co., Newaygo, Mich. Filed Apr. 14, 1951.

Reddy Sandy

Applicant claims ownership of Registration No. 333,738.
For Foundry Equipment — Namely, Portable Sand Handling, Elevating, and Feeding Conveyors.
Claims use since Dec. 19, 1950.

Ser. No. 613,094. The Sun Rubber Company, Barberton, Ohio. Filed Apr. 24, 1951.

Sunruco

Applicant claims ownership of Registrations Nos. 192,614, 265,510, and others.
For Plate Scrapers and Typewriter Twirler Rings.
Claims use since June 1, 1924.

Ser. No. 614,039. Century Sewing Machine Co., Inc., New York, N. Y. Filed May 18, 1951.

CENTURY

For Sewing Machines.
Claims use since Oct. 15, 1949.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 537,531. Wheeling Corrugating Company, Wheeling, W. Va. Filed Oct. 10, 1947. (Sec. 2f.)

DUB-L-TUB

The word "Tub" is disclaimed.
For Metal Wash Tubs.
Claims use since May 22, 1937.

Ser. No. 540,264. Dry Cleaning Machinery Corporation, Syracuse, N. Y. Filed Nov. 6, 1947.

DRYCO

For Spray Pressing Guns for Textile and Fabric Finishing, Spray Guns for Moistening in Textile and Fabric Finishing, Condensers for Condensing Moisture in Steam Lines and Supplying Same to Textiles, and Fabric Finishing Apparatus.
Claims use since 1935.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 571,119. The Delaware, Lackawanna & Western Coal Company, New York, N. Y. Filed Dec. 27, 1948.

"blue coal"
Temprostar

For Electrical Temperature Control Mechanism, Consisting of Thermostats, and Combustion Control Mechanism, Together With Transformers and Secondary Control Instruments for Use Therewith.
Claims use since June 20, 1946.

Ser. No. 588,971. Sonoflux Corporation, Houston, Tex. Filed Dec. 7, 1949.

SONOFLUX

For Vibro-Magnetic Inspection Instrument To Detect Flaws in Ferro-Magnetic Materials.
Claims use since Nov. 23, 1949.

Ser. No. 591,434. Melco Manufacturing Company, Chicago, Ill. Filed Jan. 25, 1950.

PLANTENDER

For Cast Metal Hand Tool for Planting, Cultivating, and Measuring.
Claims use since Dec. 20, 1949.

Ser. No. 597,199. Electronic Instrument Co., Inc., Brooklyn, N. Y. Filed May 10, 1950.

EICO

For Electronic Test Instruments To Be Used by Electronic Engineers and Technicians in the Design, Production, Maintenance, and Calibration of All Types of Electronic and/or Electrical Apparatus and Circuits, Such as Radio, Television Receivers, Radar, Amplifiers, Etc.—Namely, Signal Tracers; Vacuum Tube Voltmeters; De Luxe Radio Frequency and Audio Signal Generators; High Frequency and Sweep Signal Generators; Conversion Kit for 5" Oscilloscope Consisting of Addition of Two Push-Pull Stages of Amplification Comprising an Oscilloscope, Tubes, Resistors and Condensers; Push-Pull Oscilloscopes; Multitesters, Tube Testers; Multimeters; Resistance-Capacitance Bridge and Resistance-Capacitance-Inductance Comparators; Resistance Decade Box; and Radio Frequency Probes.
Claims use since March 1946.

Ser. No. 608,471. Ottawa Steel Products, Inc., Ottawa, Kans. Filed Jan. 6, 1951.

"Under Eye"

For Power Shovel and Loader Bucket Level Indicators, Particularly Used on Apparatus Having Shovels or Buckets Pivotally Mounted on Vertically Swingable Arms.
Claims use since Sept. 6, 1950.

Ser. No. 609,365. Geuder, Paeschke & Frey Co., Milwaukee, Wis. Filed Jan. 29, 1951.



The words "Since 1880" and "Milwaukee" are disclaimed.
For Utility Measures of the Character Used in Automobile Service Stations, Garages, Etc., for Dispensing Measured Quantities of Oil, Alcohol, Etc.
Claims use since May 15, 1949.

Ser. No. 612,642. The Aetna-Standard Engineering Company, Youngstown, Ohio. Filed Apr. 14, 1951. (Sec. 2f as to "Standard.")

AETNA-STANDARD

For Machines for Weighing and Sorting Sheet Material and Machines for Gaging and Classifying Sheet Material.
Claims use since 1933.

Ser. No. 613,019. R. J. Pagliuso, doing business as Pagliuso Engineering Company, Glendale, Calif. Filed Apr. 23, 1951.

BABY GIANT

For Camera Tripods.
Claims use since Apr. 10, 1950.

Ser. No. 614,096. Optical Development Corporation, Chicago, Ill. Filed May 19, 1951.

"TELA-LENS"

The word "Lens" is disclaimed.
For Optical Lenses.
Claims use since Apr. 26, 1951.

Ser. No. 616,773. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed July 21, 1951.

3M BRAND

The word "Brand" is disclaimed.
For Pre-Sensitized Printing Plates for Use on Lithographic Presses.
Claims use since Aug. 2, 1950.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 561,045. Donald H. Ruggles, Tulsa, Okla., assignor to E. L. Markham, Jr., Dallas, Tex. Filed July 9, 1948.

ZIPPET

For Venetian Blinds.
Claims use since July 1, 1947.

Ser. No. 590,149. Geneva Modern Kitchens, Inc., Geneva, Ill. Filed Dec. 30, 1949. (Sec. 2f.)

GENEVA

For Wall Cabinets, Floor Cabinets, Doors, Drawers, and Other Structural Parts for Completing Cabinets Sold as Such, Desks, Drawers, Drawbins, Panels for Cabinets and Finished Shelves.
Claims use since Jan. 6, 1947.

Ser. No. 596,077. Comfort Spring Corporation, Baltimore, Md. Filed Apr. 21, 1950. (Sec. 2f.)



The words "Inner-Spring" and the representation of a spring are disclaimed.
For Spring Cushion Units, Including Inner Springs, Bed Springs, Mattresses, and Seat Cushions.
Claims use since January 1932.

Ser. No. 596,078. Comfort Spring Corporation, Baltimore, Md. Filed Apr. 21, 1950. (Sec. 2f.)



The words "Inner Spring" and the representation of the spring are disclaimed. Applicant claims ownership of Registration No. 506,912.
For Spring Cushion Units, Including Inner Springs, Bed Springs, Mattresses, and Seat Cushions.
Claims use since January 1932.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 573,002. Jules M. Sahlein, doing business as J. M. Sahlein Music Company, San Francisco, Calif. Filed Jan. 28, 1949.

JULES REVAN

The name "Jules Revan" is fictional.
For Clarinets, and Mouthpieces Therefor; Stringed and Fretted Instruments, and Strings, Bridges, and Picks Therefor.
Claims use since 1929.

Ser. No. 605,717. Buegeleisen & Jacobson, Inc., New York, N. Y. Filed Nov. 1, 1950.



The words "New York" are disclaimed. The head of the girl is fanciful. Applicant claims ownership of Registration No. 228,720.
For Musical Instruments—Namely, Accordions, Guitars, Violins, Clarinets, Cornets, Trumpets, Trombones, and French Horns.
Claims use since Sept. 12, 1949.

Ser. No. 605,718. Buegeleisen & Jacobson, Inc., New York, N. Y. Filed Nov. 1, 1950.



The words "New York" are disclaimed. The head of the girl is fanciful. Applicant claims ownership of Registration No. 228,720.
For Musical Instruments—Namely, Cornets, Trumpets, Clarinets, Flutes, and Piccolos.
Claims use since September 1939.

Ser. No. 606,341. Louis Silvers, doing business as Stepping Tones, Los Angeles, Calif., assignee of Stepping Tones, Inc. Filed Nov. 13, 1950. (Sec. 2f.)



The representation of the record is disclaimed.
For Grooved Phonograph Records for Instructing Students in the Art of Dancing.
Claims use since Mar. 29, 1937.

CLASS 37

PAPER AND STATIONERY

Ser. No. 600,689. T. J. & J. Smith Limited, London, England. Filed June 30, 1950.

"Leathersmith"

For Leather Bound Desk Engagement Books, Leather Bound Desk Diaries, Leather Bound Desk Address Books, Leather Bound Desk Address and Telephone Books, Leather Bound Guest Books, Leather Bound Vest Pocket Diaries, Leather Bound Vest Pocket Engagement Books, Leather Bound Refillable Vest Pocket Diaries and Engagement Books, Leather Bound Vest Pocket Combined Diaries and Address Books, Leather Bound Vest Pocket Combined Diaries and Notebooks, Leather Bound Vest Pocket Combined Diaries and Card Cases, Leather Bound Vest Pocket Address Books, Leather Bound Vest Pocket Refillable Memo Pads, Leather Bound Vest Pocket Notebooks, Leather Bound Desk Pads and Desk Blotters.
Claims use since May 1949; and use in commerce between the Kingdom of Great Britain and Northern Ireland and the United States since May 1949.

Ser. No. 601,798. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.



The name "Irma Harding" is fictitious, and the picture is fanciful.
For Refrigeration Packaging Products—Namely, Wrapping Paper.
Claims use since Apr. 29, 1949.

Ser. No. 601,801. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.



The lining on the drawing does not denote color. The name "Irma Harding" does not refer to any particular living individual, and the picture is fanciful. Applicant disclaims exclusive use to the words "Packaging Materials Tested and Approved by," "Home Economist" and "International Harvester Company" apart from the mark as shown.
For Refrigeration Packaging Products—Namely, Wrapping Paper.
Claims use since Apr. 29, 1949.

Ser. No. 612,100. White-Washburne Company, Inc., Hinsdale, N. H. Filed Mar. 31, 1951. (Sec. 2f.)

Hollywood

Applicant claims ownership of Registration No. 154,853.
For Toilet Tissue of All Kinds.
Claims use since Dec. 8, 1914.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 582,374. United Feature Syndicate, Inc., New York, N. Y. Filed June 8, 1949.



The representation of the child's head is fanciful.
For Publication Issued From Time to Time.
Claims use since July 1, 1948.

Ser. No. 597,847. The Society for the Advancement of Management, Inc., New York, N. Y. Filed May 20, 1950.

Advanced Management

For Monthly Publication.
Claims use since September 1939.

Ser. No. 609,138. North American Aviation, Inc., Los Angeles, Calif. Filed Jan. 23, 1951.

TAKE-OFF

For Periodical.
Claims use since January 1944.

Ser. No. 609,673. Associated Release Service, commonly known as A S R Releases, Chicago, Ill. Filed Feb. 6, 1951.



The representation of the woman is fanciful.
For Newspaper Column.
Claims use since Aug. 29, 1950.

Ser. No. 610,018. NEA Service, Inc., Cleveland, Ohio. Filed Feb. 13, 1951.

Tom Trick

The mark is the name of a fictitious character.
For Comic Strips Published in Daily and Sunday Newspapers.
Claims use since Oct. 29, 1950.

Ser. No. 613,112. Edward Thompson Company, Brooklyn, N. Y. Filed Mar. 29, 1951. (Sec. 2f.)

THE ALBANY LETTER

For Section of Periodically Issued Reports of Legislative Activities.
Claims use since March 1945.

CLASS 39

CLOTHING

Ser. No. 329,901. The Longini Shoe Manufacturing Co., Cincinnati, Ohio. Filed July 29, 1947.

LIFE GUARD

For Women's Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since Jan. 1, 1925.

Ser. No. 535,914. Wells Lamont Corporation, Chicago, Ill. Filed Sept. 26, 1947.



The terms "It's Tough" and "Selected Leather" are disclaimed. Applicant claims ownership of Registrations Nos. 251,327, 380,631, 388,057, 393,273, and 394,723.
For Workingmen's Gloves, of Leather-Faced Cotton.
Claims use since Nov. 1, 1927.

Ser. No. 539,139. Dura-Tred Hosiery Mills Company, Inc., Burlington, N. C. Filed Oct. 27, 1947.



The word "Style" is disclaimed. The portrait of the man shown on the drawing is fanciful. The drawing is lined for shading.
For Hosiery for Men and Boys.
Claims use since Sept. 10, 1947.

Ser. No. 548,847. Rockford Mitten & Hosiery Company, Rockford, Ill. Filed Feb. 5, 1948.

Thrifty Scot

For Hosiery for Men, Women, Boys, or Girls.
Claims use since October 1947.

Ser. No. 577,164. Marcus Breier Sons, Inc., Amsterdam, N. Y. Filed Apr. 15, 1949.



For Sport Jackets and Coats for Men and Women.
Claims use since Sept. 15, 1948.

Ser. No. 592,829. Oklahoma Clothing Manufacturers, Oklahoma City, Okla. Filed Feb. 21, 1950.

OUT OF THE WEST

For Jeans.
Claims use since Jan. 18, 1950.

Ser. No. 598,724. Hanes Hosiery Mills Company, Winston-Salem, N. C. Filed June 7, 1950.

Framette

For Hosiery for Women and Girls.
Claims use since May 25, 1950.

Ser. No. 605,204. The Duffer Company, Inc., Boston, Mass. Filed Oct. 20, 1950.



For Men's, Women's, and Children's Coats.
Claims use since February 1950.

Ser. No. 606,805. Fred A. Preddy, doing business as Preddywear Mills, Mount Airy, N. C. Filed Nov. 22, 1950.

Preddywear

For Ladies' and Girls' Knit Sport Skirts, Woven Sport Skirts, Dresses, Blouses, Shirts, Pajamas, Halters and Shorts, Panties, Brassières, and Cardigans; and Infants' and Children's Shirts, Sweaters, Cardigans, Suits, Shorts, Rompers, Creepers, Jackets, Overalls, Underwear, Pajamas, of Knitted and Woven Materials and Combinations Thereof.
Claims use since Apr. 1, 1946.

Ser. No. 607,009. Sam Elias, Inc., New York, N. Y. Filed Nov. 28, 1950.

SLENDERTONE

Applicant claims ownership of Registration No. 292,587.
For Ladies' Wearing Apparel—Namely, Dresses and Coats.
Claims use since Aug. 3, 1931; and since Nov. 9, 1950, in the style of lettering and in the form shown.

Ser. No. 608,180. Strutwear, Inc., Minneapolis, Minn. Filed Dec. 28, 1950.

Airline

For Women's Hosiery.
Claims use since Oct. 1, 1939.

Ser. No. 609,162. Betty Brooks Co., Huntington Park, Calif. Filed Jan. 24, 1951.

FULLWORTH

For Women's and Children's Shorts, Slacks, Blouses, Skirts, and Women's Service Dresses.
Claims use since Aug. 3, 1938.

Ser. No. 609,684. Mattio Kaplan & Son, Inc., New York, N. Y. Filed Feb. 6, 1951.

KAPLA TONE

The word "Frocks" is disclaimed.
For Ladies' Dresses.
Claims use since Dec. 9, 1950.

Ser. No. 611,515. Foster-Hochberg Manufacturing Company, Inc., Seattle, Wash. Filed Mar. 19, 1951.

cordomates

For Women's and Girls' Wearing Apparel—Namely, Dresses, Bras, Outer Shorts, Slacks, Pedal Pushers, Skirts, Jackets, and Hats.
Claims use since June 1, 1949.

Ser. No. 612,070. Graceform-Camlin Corset Co., Inc., New York, N. Y. Filed Mar. 31, 1951.

GRACEFORM

Applicant claims ownership of Registration No. 277,010.
For Brassières, Girdles, and Combination Brassières and Corsets Made of Textile, Netted, Knitted, Elastic, and All-Rubber Fabric.
Claims use since 1920.

Ser. No. 612,148. Adams-Millis Corporation, High Point, N. C. Filed Apr. 3, 1951.

Centurion

For Hosiery, for Men, Women, and Children.
Claims use since Feb. 2, 1951.

Ser. No. 612,156. Corona Corset Corp., Corona, N. Y. Filed Apr. 3, 1951.

Image of Youth

The word "Youth" is disclaimed.
For Ladies' and Misses' Brassières, Corsets, Corselettes, and Garter Belts.
Claims use since Feb. 6, 1950.

Ser. No. 612,188. Valcort Hosiery Corporation, New York, N. Y. Filed Apr. 3, 1951.

K.E.M.

Applicant claims ownership of Registration No. 387,242.
For Ladies' Hosiery.
Claims use since Dec. 1, 1940.

Ser. No. 612,288. Vogt Knitting Mills, Inc., Reading, Pa. Filed Apr. 5, 1951.



The drawing is lined for dark red, pink and gray.
For Men's, Women's, Boys', and Girls' Hosiery.
Claims use since Mar. 8, 1949.

Ser. No. 612,375. Rice-Stix, Inc., St. Louis, Mo. Filed Apr. 7, 1951.

Frances McKay

The name "Frances McKay" is fanciful.
For Misses' and Ladies' Frocks.
Claims use since Sept. 1, 1939.

Ser. No. 613,134. Jordan Marsh Company, Boston, Mass. Filed Apr. 25, 1951.

Private Secretary

For Women's and Misses' Dresses.
Claims use since Sept. 9, 1945.

Ser. No. 613,289. Bestform Foundations, Inc., New York, N. Y. Filed Apr. 28, 1951.

"Eternal Youth"

For Girdles.
Claims use since Apr. 17, 1951.

Ser. No. 613,502. Crescent Corset Company, Inc., Cortland, N. Y. Filed May 4, 1951.

Tele-Back

For Ladies' Foundation Garments.
Claims use since Apr. 12, 1951.

Ser. No. 613,554. Beau-Bra Foundations, Inc., Jersey City, N. J. Filed May 5, 1951.

"DECEPTION"

For Brassières.
Claims use since Apr. 2, 1951.

Ser. No. 613,687. Vanity Corset Company, Inc., New York, N. Y. Filed May 9, 1951.



For Corsets, Corselets, Girdles, Bandeaux, Panties, Brassières, and Foundation Garments.
Claims use since Feb. 15, 1951.

Ser. No. 613,688. Vivette Foundations, Inc., New York, N. Y. Filed May 9, 1951.

SKEETERS

For Girdles, Corsets, and Brassières.
Claims use since March 1951.

Ser. No. 613,707. G. & L. Manufacturing Co., Inc., Boston, Mass. Filed May 10, 1951.

Grand Maid

For Dresses for Women, Misses, and Children.
Claims use since Dec. 12, 1929.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 558,692. Cecil Corporation, Chicago, Ill. Filed June 8, 1948.

FLEX-O-LACE

The word "Lace" is disclaimed.
For Shoe Laces.
Claims use since Jan. 31, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 577,265. Harry Goldinger Textile Corporation, Los Angeles, Calif. Filed Apr. 16, 1949.



The words "Fabrics" and "California" are disclaimed.
For Fabrics of Silk, Wool, Cotton, Synthetics, and Mixtures Thereof.
Claims use since Mar. 16, 1949.

Ser. No. 597,125. Burlington Mills Corporation, Greensboro, N. C. Filed May 9, 1950.

CREPERITE

Applicant claims ownership of Registration No. 270,616.
For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Dec. 7, 1929.

Ser. No. 601,606. Draper Brothers Company, Canton, Mass. Filed Aug. 2, 1950. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 413,365 and 517,018.
For Knitted and Woven Fabrics in the Piece Made of Wool Alone or in Combination With Silk, Rayon, Cotton, and Protein Fibers.
Claims use since June 2, 1950, as to the mark shown; and since Mar. 1, 1944, as to "Draper."

Ser. No. 601,888. Draper Brothers Company, Canton, Mass. Filed Aug. 8, 1950.

NYLOBAK

For Wool Fabrics, and Fabrics Made of a Blend of Wool and/or Hair Fibers, Both Fabrics Having a Nylon Backing.
Claims use since Jan. 5, 1950.

Ser. No. 608,354. Hudson Valley Rugs Company, New York, N. Y. Filed Jan. 4, 1951. (Sec. 2f.)

HUDSON VALLEY

Applicant claims ownership of Registration No. 413,501.
For Rugs and Carpets Made of Wool, Cotton, Rayon, Nylon, Synthetic Fibers, and Mixtures Thereof.
Claims use since February 1943.

Ser. No. 609,545. Farrington Texol Corporation, Walpole, Mass. Filed Feb. 2, 1951.

Fray-No-Therm

No claim is made to "Fray-No."
For Fabrics Made of Cotton, Rayon, Nylon, Silk and/or Combinations of the Same.
Claims use since Nov. 21, 1950.

Ser. No. 610,126. Grossmark Textiles, Inc., New York, N. Y. Filed Feb. 15, 1951.



The mark is not the name of any known individual and is fanciful. The word "England" is disclaimed.
For Woolen and Rayon Piece Goods.
Claims use since Dec. 18, 1950.

Ser. No. 616,495. A. D. Juilliard & Co., Inc., New York, N. Y. Filed July 14, 1951.

BONTURA

For Woolen Piece Goods.
Claims use since Nov. 15, 1949.

CLASS 43

THREAD AND YARN

Ser. No. 612,652. The Ensign-Bickford Co., Simsbury, Conn. Filed Apr. 14, 1951.

ENSFORD

For Synthetic Yarns.
Claims use since Mar. 6, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 587,574. Wilmot Castle Company, Rochester, N. Y. Filed Nov. 9, 1949.

Thermalock

For Surgical Sterilizers and Parts Thereof, Sold as a Unit.
Claims use since Oct. 12, 1949.

Ser. No. 588,422. Wilmot Castle Company, Rochester, N. Y. Filed Nov. 26, 1949.

Thermatic

For Surgical Sterilizers and Parts Thereof, Sold as a Unit.
Claims use since Oct. 18, 1949.

Ser. No. 589,338. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed Dec. 14, 1949.

Foam-Ease

The word "Ease" is disclaimed.
For Corn, Callous, and Bunion Pads, Corn and Bunion Shields, Hammer Toe and Tailors' Bunion Pads, Orthopedic Insoles, and Arch Pads and Arch Supports.
Claims use since Oct. 27, 1949.

Ser. No. 600,121. Cosmos Dental Products, Inc., New York, N. Y. Filed July 1, 1950.

DEX

For Resinous Material Used for Cementing and Restorative Work in Dentistry.
Claims use since Feb. 8, 1950.

Ser. No. 603,302. Leroy J. Larson, Bagley, Minn. Filed Sept. 8, 1950.

Le Joi

For Surgical Splints.
Claims use since May 1, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 598,922. Nedick's, Inc., New York, N. Y. Filed June 10, 1950.

Nedicks

The drawing is lined for green. Applicant claims ownership of Registrations Nos. 107,900, 342,017, 342,018, and 418,088.
For Orange-Flavored Maltless Soft Drink and Concentrate for Making the Same.
Claims use since March 1950.

Ser. No. 613,579. The Welch Grape Juice Company, Westfield, N. Y. Filed Mar. 16, 1951. (Sec. 2f.)

Welch's

Applicant claims ownership of Registrations Nos. 109,970, 321,267, and others.
For Frozen Concentrated Grape Juice.
Claims use since Apr. 4, 1949.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 493,178. The William Edwards Company, Cleveland, Ohio. Original filed, act of 1905, Dec. 13, 1945; amended to application under act of 1946, Principal Register, Oct. 4, 1950.

FIRST PRIZE

For Canned Spaghetti.
Claims use since 1910.

Ser. No. 507,020. Dr. P. Phillips Company, Orlando, Fla., assignee of Dr. P. Phillips Canning Company. Original filed, act of 1905, Aug. 7, 1946; amended to application under act of 1946, Principal Register, Dec. 20, 1949. (Sec. 2f.)

P. Phillips

The mark consists of the facsimile signature of Dr. P. Phillips, president of applicant corporation and consent to register is of record. Applicant claims ownership of Registrations Nos. 333,414, 350,391, 189,085, and 362,646.
For Canned Citrus Juices and Blends Thereof.
Claims use since 1937.

Ser. No. 512,472. Yakima Fruit Growers Association, Yakima, Wash. Original filed, act of 1905, Nov. 12, 1946; amended to application under act of 1946, Principal Register, Dec. 16, 1947. (Sec. 2f.)

FRIGID-PAK

For Fresh Deciduous Fruits.
Claims use since Dec. 1, 1928.

Ser. No. 542,852. Dennis W. Leary, Walnut Grove, Calif. Filed Dec. 1, 1947.



The picture of the man is fanciful. Applicant claims ownership of Registration No. 401,739.
For Fresh Pears.
Claims use since July 8, 1930.

Ser. No. 550,859. Tenderet Sales Company, Chicago, Ill. Filed Feb. 28, 1948.

BURGER-ETTE

The word "Burger" is disclaimed.
For Preparation Consisting of Dehydrated Egg Albumen and Egg Yolk and Heat Treated Corn Flour in Powder Form for Use With Ground Meat or Meat in Any Form.
Claims use since Feb. 16, 1948.

Ser. No. 557,509. Dellwood Dairy Co., Inc., Yonkers, N. Y. Filed May 21, 1948. (Sec. 2f.)

Creami-Rich

Applicant claims ownership of Registration No. 324,889.
For Fluid Milk, Creamed Cottage Cheese, Fresh Eggs, and Butter.
Claims use since Dec. 2, 1934.

Ser. No. 561,233. James Joseph Giammalvo, Hackettstown, N. J. Filed July 13, 1948.



The words "Special Brand" are disclaimed. The representation of the goods is disclaimed.
For Cheese.
Claims use since February 1934.

Ser. No. 563,091. The Abilene Flour Mills Company, Abilene, Kans. Filed Aug. 10, 1948. (Sec. 2f.)

LITE FLAKE

For Wheat Flour.
Claims use since June 29, 1931.

Ser. No. 563,092. The Abilene Flour Mills Company, Abilene, Kans. Filed Aug. 10, 1948. (Sec. 2f.)

Super-White

For Wheat Flour.
Claims use since Apr. 1, 1934.

Ser. No. 563,093. The Abilene Flour Mills Company, Abilene, Kans. Filed Aug. 10, 1948. (Sec. 2f.)

Tastee Biscuit

For Wheat Flour.
Claims use since Apr. 1, 1934.

Ser. No. 565,329. Food Fair Stores, Inc., Philadelphia, Pa. Filed Sept. 17, 1948.

FRE-MAR

Applicant claims ownership of Registration No. 350,693.
For Food Flavoring Extracts—Namely, Almond, Lemon, Brandy, Maple, Orange, and Vanilla Extracts.
Claims use since Aug. 1, 1936.

Ser. No. 567,157. Helen Engelman Stegle, Elsa, Tex. Filed Oct. 18, 1948. (Sec. 2f as to "Engelman's.")

Engelman's

The word "Select" is disclaimed. Applicant claims ownership of Registration No. 329,729.
For Fresh Citrus Fruits.
Claims use since Sept. 4, 1934.

Ser. No. 572,041. Newly Weds Baking Co., Chicago, Ill. Filed Jan. 12, 1949.

NEWLY WEDS

Applicant claims ownership of Registration No. 304,762.
For Ice Cream Cake Roll and Cake for Making Ice Cream Confections.
Claims use since Mar. 1, 1932.

Ser. No. 592,662. Pollio Dairy Products Corporation, Brooklyn, N. Y. Filed Feb. 17, 1950.



The drawing is lined for the color red.
For Cheese.
Claims use since Jan. 3, 1950.

Ser. No. 600,064. James Mills Orchards Company, Hamilton City, Calif. Filed June 30, 1950.

MT. LASSEN

Applicant claims ownership of Registrations Nos. 179,897 and 199,757.
For Fresh Fruits, Dried Deciduous Fruits, Frozen Cooked Deciduous Fruits, Hydrated Deciduous Fruit, Olives, and Blanched, Shelled, and Unshelled Nuts.
Claims use since November 1919.

Ser. No. 608,822. Limpert Bros., Inc., New York, N. Y., and Vineland, N. J. Filed Jan. 16, 1951.

STOP and GO

For Peeled, Seedless Grapes, in Sugar Syrup, Artificially Flavored, for Use in the Manufacture of Ice Cream.
Claims use since Dec. 28, 1950.

Ser. No. 609,492. Nagel Brothers, La Grange, Ill. Filed Feb. 1, 1951.



For Dressed Poultry and Poultry Products—Namely, Frozen Dressed Turkeys, Frozen Turkey Pie, and Frozen Turkey a la King.
Claims use since June 1950.

Ser. No. 611,581. Pictsweet Foods, Inc., doing business under the trade style Good-Year Products Co., Mount Vernon, Wash. Filed Mar. 20, 1951.

Sweet Pickin's

The word "Sweet" is disclaimed. Applicant claims ownership of Registrations Nos. 387,262 and 406,300.
For Frozen Fresh Vegetables, Frozen Fresh Strawberries, and Canned Corn and Peas.
Claims use since Aug. 21, 1943.

Ser. No. 612,650. Gouley N. Burcham, doing business as Gouley Burcham Company, Los Angeles, Calif. Filed Apr. 14, 1951.

EKONO-PAK

The word "Pak" is disclaimed.
For Frozen Fresh Vegetables—Namely, Peas.
Claims use since Mar. 27, 1951.

Ser. No. 613,081. Nebraska Consolidated Mills Company, Omaha, Nebr. Filed Apr. 24, 1951.



For Poultry Mash and Dairy and Hog Feeds.
Claims use since Feb. 1, 1951.

Ser. No. 613,499. California Tuna Canning Company, San Diego, Calif. Filed May 4, 1951.

Cabin Boy

For Canned Tuna.
Claims use since Apr. 4, 1951.

Ser. No. 613,637. Harden Farms, Inc., Salinas, Calif. Filed May 8, 1951. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 283,069, 283,070, and others.
For Fresh Vegetables.
Claims use since Aug. 1, 1940.

Ser. No. 613,638. Harden Farms, Inc., Salinas, Calif. Filed May 8, 1951. (Sec. 2f.)

Hard-en Krisp

Applicant claims ownership of Registrations Nos. 283,069, 283,070, and others.
For Fresh Vegetables.
Claims use since Apr. 15, 1929.

Ser. No. 614,038. Calavo Growers of California, Los Angeles, Calif. Filed May 18, 1951.

MEXAVO

For Fresh Avocados.
Claims use since Aug. 25, 1950.

Ser. No. 614,361. R. G. Moench & Co., Inc., New York, N. Y. Filed May 25, 1951. (Sec. 2f.)

MOENCH'S

Applicant claims ownership of Registration No. 418,843.
For Vanilla Concentrates, Emulsifiers, and Stabilizers for Use in the Manufacture of Frozen Confections, and Powdered Mixtures Consisting of Derivatives of Dextro-Glucose, Defatted Milk, and Egg Yolk for Use in the Manufacture of Frozen Confections.
Claims use since Aug. 15, 1944.

Ser. No. 614,548. Gaymont Laboratories, Inc., Chicago, Ill. Filed May 31, 1951.

YOGO

For Flavored and Unflavored Yogurt, Yogurt Drinks, Natural and Processed Cheese, Milk Cultured and Uncultured, Including Sweetened and Flavored Milk and Buttermilk, Cream and Ice Cream.
Claims use since March 1941.

Ser. No. 614,799. Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Filed June 5, 1951.

Fresh and Fussy

The word "Fresh" is disclaimed. Applicant claims ownership of Registration No. 139,430.
For Candy.
Claims use since Feb. 12, 1951.

Ser. No. 614,953. Mrizek Bakers, Inc., Kansas City, Mo. Filed June 8, 1951.

Kay Cee

For Bread, Pies, Doughnuts, Sweet Rolls, and Pastries.
Claims use since Mar. 17, 1951.

CLASS 47

WINES

Ser. No. 560,895. Istituto Nazionale per il Commercio Estero, Rome, Italy. Filed July 8, 1948. CERTIFICATION MARK.

ITALIA IMC MARCHIO NAZIONALE

The words "Marchio Nazionale" are disclaimed. Applicant claims ownership of Italian Registration No. 35,291, dated Nov. 6, 1927.
For Wine.

Ser. No. 609,327. Wine Growers Guild, Lodi, Calif. Filed Jan. 26, 1951. (Sec. 2f.)



The drawing is lined for shading. Applicant claims ownership of Registrations Nos. 410,724, 412,472, and others.
For Wines.
Claims use since Sept. 10, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 611,237. Pacific Brewing & Malting Co., San Francisco, Calif. Filed Mar. 13, 1951.



For Beer.
Claims use since Feb. 23, 1951.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 561,461. Minnie Brumfield Haddix administratrix of the estate of M. Cornelius Haddix, deceased, doing business under the name of Lexington Distributing Co., Lexington, Ky. Filed July 15, 1948.



The name "Sam Clay" is fictitious. Applicant claims ownership of Registration No. 313,118.
For Whiskey.
Claims use since 1893.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 581,240. Gilda Audrey Products, Inc., New York, N. Y. Filed June 29, 1949.

Cosmo

For Sheen Rinse, Cold Wave Solution, Cream Oil Solution, Oil Solution for Use as a Permanent Waving Solution, and Neutralizer Consisting of a Solution To Neutralize the Effects of a Cold Wave Solution.
Claims use since Apr. 4, 1949.

Ser. No. 583,704. Irene V. Mitchell, doing business as Liqrou Cosmetics, Akron, Ohio. Filed Aug. 19, 1949.

Liqrou

The trade-mark consists of the first three letters of the word "Liquid" and the first three letters of the word "Rouge."
For Liquid Rouge.
Claims use since Apr. 1, 1949.

Ser. No. 589,147. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed Dec. 10, 1949.

CHINA DOLL

For Lipstick and Nail Lacquer.
Claims use since Nov. 1, 1949.

Ser. No. 606,020. Lanvin Parfums, Inc., New York, N. Y. Filed Nov. 7, 1950.

LANVIN

Applicant claims ownership of Registration No. 281,006.
For Perfumes and Toilet Water.
Claims use since 1924.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 548,461. Armour and Company, Chicago, Ill. Filed Jan. 31, 1948.

LUSTRO

For Soap.
Claims use since 1920.

Ser. No. 582,870. U. S. Chemical & Supply Co., Kansas City, Mo. Filed Aug. 2, 1949.

Z-4

Applicant claims ownership of Registration No. 404,608.
For Liquid Preparation for Flushing and Cleaning Radiators; Liquid Preparation for Dissolving Grease and Dirt; Soap in Powder Form for Cleaning Automobiles; Hand Cleaner in Powder Form; Waterless Hand Soap; Upholstery Shampoo; and a Liquid Glass Cleaner.
Claims use since Jan. 1, 1946.

Ser. No. 592,933. Preventive Maintenance Company, Bridgeport, Conn. Filed Feb. 23, 1950.

Safety-Sol

The word "Safety" is disclaimed.
For Solvent for Cleaning Air Brake Systems.
Claims use since Oct. 16, 1946.

Ser. No. 607,821. Francis H. Leggett & Company, New York, N. Y. Filed Dec. 18, 1950. (Sec. 2f.)

Varick

For Soap Powder, Household Cleanser, and Dishwashing Compound.
Claims use since 1930.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 576,268. Manufacturers Research Corporation, Baltimore, Md. Filed Mar. 29, 1949.

MRC

For Mechanical and Electrical Engineering Research Services in Designing, Developing, Testing, and Building Special Equipment and Processes as Cameras, Surgical Instruments, Textiles, Etc., on Special Orders for Other Companies and Individuals.
Claims use since Nov. 18, 1948.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 559,122. Serv-A-Station, Inc., Los Angeles, Calif. Filed June 12, 1948.



The words "Serv-A-Station" are disclaimed.
For Accounting and Bookkeeping Services Rendered to Gasoline Service Station Owners.
Claims use since Mar. 23, 1948.

Ser. No. 563,827. Stemar Company, Inc., Chicago, Ill. Filed Aug. 21, 1948.

Stemar Company

The word "Company" is disclaimed.

For Advertising Services—Namely, the Formulation and Preparation of Advertising Copy, Literature, and Publications; the Formulation and Preparation of Advertising Displays, Pictorial Advertising, and the Publication and Circulation of Same; and the Preparation of Catalogs, Manuals, and Instructional Literature.

Claims use since Feb. 1, 1926.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 564,388. Hickey-Mitchell Company, St. Louis, Mo. Filed Aug. 30, 1948.

"THE CHAMPION"

For Insurance Brokerage—Namely, the Brokerage of Accident Insurance.

Claims use since Mar. 1, 1939.

Ser. No. 574,522. William H. Lyon, Lexington, Mass. Filed Feb. 25, 1949.



For Real Estate Brokerage and Fire Insurance Brokerage.

Claims use since March 1936.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 548,390. National Cylinder Gas Company, Chicago, Ill. Filed Jan. 30, 1948.

NATIONAL

Applicant claims ownership of Registrations Nos. 401,145, 401,176, 401,928, and 406,411.

For Maintenance and Repair of Apparatus for Handling Compressed Gas, Electric Welding, Gas Welding, and Gas Cutting Apparatus and Equipment.

Claims use since June 1934.

Ser. No. 585,215. Cement Gun Company, Allentown, Pa. Filed Sept. 23, 1949.

GUNITE

Applicant claims ownership of Registrations Nos. 264,467 and 308,005.

For Structural Contracting Services.

Claims use since Sept. 15, 1909.

CLASS 106

MATERIAL TREATMENT

Ser. No. 576,268. Manufacturers Research Corporation, Baltimore, Md. Filed Mar. 29, 1949.



For Mechanical and Electrical Engineering Research Services in Designing, Developing, Testing, and Building Special Equipment and Processes as Cameras, Surgical Instruments, Textiles, Etc., on Special Orders for Other Companies and Individuals.

Claims use since Nov. 18, 1948.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 552,022. Voice of Prophecy, Inc., Washington, D. C., also operating as The Pacific Union Conference, Glendale, Calif. Filed Mar. 15, 1948.

King's Heralds

For Services Rendered by a Vocal Group Through the Medium of Radio Broadcasts Directly and by Means of Recordings.

Claims use since Mar. 28, 1937.

Ser. No. 555,059. Dale Dance Studios, Inc., New York, N. Y., assignee of Dale Dance Studios. Filed Apr. 20, 1948. (Sec. 2f.)

DALE

For Giving Dance Instructions.

Claims use since May 1936.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,616. Vinyl-Type Plastic Sheeting or Film Sold in the Bolt or Piece, Etc. Clarvan Corporation, Milwaukee, Wis.
Filed June 3, 1946, Serial No. 503,191. Published Sept. 25, 1951. Class 42.

444,617. Children's Tricycles and Structural Parts Thereof. Aberdale Cycle Co. Limited, London, England.
Filed Oct. 29, 1946, Serial No. 511,660. Published Aug. 14, 1951. Class 22.

ACT OF 1946, PRINCIPAL REGISTER

552,118. Fresh Citrus Fruits. Rialto Heights Orange Growers, Rialto, Calif., assignee of Hal B. Harlow, doing business as Rialto Heights Orange Growers and also doing business as Rialto Heights Association.
Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Principal Register, Nov. 28, 1950, Serial No. 520,946. Published Sept. 4, 1951. Class 46.

552,119. Rubber and Fabric Sport Shoes for Men. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.
Filed July 31, 1947, Serial No. 530,098. Published Sept. 25, 1951. Class 39.

552,120. Leather Shoes, Leather Moccasins, and Athletic Footwear Made of Leather for Men, Women, and Children—Namely, Roller and Ice Skating Shoes, and Shoes Worn by Baseball Players, Basketball Players, Bowlers, Boxers, Football Players, and Runners. L. N. Schwartz & Sons, Inc., Philadelphia, Pa.
Filed Sept. 9, 1947, Serial No. 533,927. Published Sept. 25, 1951. Class 39.

552,121. Metal Wash Tubs. Wheeling Corrugating Company, Wheeling, W. Va.
Filed Oct. 10, 1947, Serial No. 537,530. Published Oct. 2, 1951. Class 24.

552,122. Men's, Women's, and Children's Shoes of Leather, Rubber, Synthetic Materials, and Combinations Thereof. H. Jacob & Sons, Inc., Hanover, Pa.
Filed Oct. 15, 1947, Serial No. 537,894. Published Sept. 4, 1951. Class 39.

552,123. Canned Olives. Lindsay Ripe Olive Company, Lindsay, Calif.
Filed Oct. 18, 1947, Serial No. 538,305. Published Sept. 18, 1951. Class 46.

552,124. Overalls, Work Shirts, Men's Trousers, and Rompers. Hartmann-Schneider Company, Johnstown, Pa.
Filed Oct. 21, 1947, Serial No. 538,541. Published Aug. 28, 1951. Class 39.

552,125. Mechanical Straining and Filtering Units for Use on Petroleum Dispensing Equipment for Removal of Foreign Materials in Micronic Sizes From Petroleum Products Dispensed From Such Equipment. Petroleum Accessories, Inc., Detroit, Mich.
Filed Nov. 5, 1947, Serial No. 540,200. Published Sept. 25, 1951. Class 31.

552,126. Pure Wheat Bran; Standard Middlings; Etc. The Farm Bureau Cooperative Association, Inc., Columbus, Ohio.
Filed Nov. 19, 1947, Serial No. 541,657. Published Sept. 11, 1951. Class 46.

552,127. Apple Butter, Apple Jelly, Apricot Preserves, and Table Syrup. Bliss Syrup & Preserving Co., Kansas City, Mo.
Filed Dec. 26, 1947, Serial No. 545,429. Published Sept. 4, 1951. Class 46.

552,128. Livestock and Poultry Feed Consisting Principally of Wheat Red Dog. Standard Milling Company, Chicago, Ill.
Filed Dec. 30, 1947, Serial No. 545,784. Published Sept. 11, 1951. Class 46.

552,129. Musical Instruments—Viz., Clarinets, Flutes, Bass Clarinets, Alto Clarinets, Oboes, Bassoons, and Reeds, and Trimmings, and Parts Therefor. The Fred. Gretsch Manufacturing Co., Brooklyn, N. Y.
Filed Jan. 9, 1948, Serial No. 546,583. Published Sept. 25, 1951. Class 36.

552,130. Women's Boots, Shoes, and Oxfords Made of Leather, Fabric, and Rubber, and Combinations Thereof. W. B. Coon Company, Rochester, N. Y.
Filed Jan. 22, 1948, Serial No. 547,701. Published Sept. 4, 1951. Class 39.

552,131. Boots, Shoes, and Oxfords Made of Leather, Fabric, and Rubber, and Combinations Thereof. W. B. Coon Company, Rochester, N. Y.
Filed Jan. 22, 1948, Serial No. 547,705. Published Aug. 28, 1951. Class 39.

552,132. Interior and Exterior Ready-Mixed Paints, Paint Enamels, Combination Ready-Mixed Plaster and Paint Suitable for Providing a Textured Finish, Etc. Enterprise Paint Manufacturing Company, Chicago, Ill.
Filed Jan. 28, 1948, Serial No. 548,153. Published Sept. 18, 1951. Class 16.

552,133. Fishing Rod Holders. Hamre Specialty Co., Chicago, Ill.
Filed Feb. 17, 1948, Serial No. 549,928. Published Aug. 7, 1951. Class 22.

552,134. Dried Split Peas, Whole Peas, Beans, and Lentils; Pearl Barley, Buckwheat Groats, and Rice. H. C. Knoke and Company, Chicago, Ill.
Filed Feb. 21, 1948, Serial No. 550,328. Published Sept. 11, 1951. Class 46.

552,135. Liquid Transparent Lacquer for Wood and Metal Surfaces. Wype Corporation, St. Louis, Mo.
Filed Mar. 10, 1948, Serial No. 551,675. Published Sept. 25, 1951. Class 16.

552,136. Prepared Food Products—Namely, Pies, Candy, Berry Preserves, Jelly, Ice Cream. Waddle's Drive-In Coffee Shop, Portland, Oreg.
Filed Apr. 10, 1948, Serial No. 554,338. Published Sept. 4, 1951. Class 46.

552,137. Ready-Mixed Paints, Varnishes, Paint Enamels. Mac-O-Lac Paint & Varnish Works, Detroit, Mich.
Filed Apr. 29, 1948, Serial No. 555,826. Published Sept. 25, 1951. Class 16.

552,138. Rubber Heels and Soles for Boots and Shoes. O'Sullivan Rubber Corporation, Winchester, Va.
Filed May 4, 1948, Serial No. 556,215. Published Sept. 25, 1951. Class 39.

552,139. Canned Fruits—Namely, Apricots, Fruit Cocktail, Peaches, and Pears; Canned Vegetables—Namely, Asparagus, Spinach; Canned and Bottled Fruit and Vegetable Juices for Food Purposes—Namely, the Juice Products of Apricots, Peaches, Pears, Prunes and Tomatoes, Etc. Richmond-Chase Company, San Jose, Calif.
Filed May 10, 1948, Serial No. 556,651. Published Aug. 28, 1951. Class 46.

552,140. Single and Double Hung Metal Sash and Frame Window Units, Metal Sash and Frame Single and Double Hung Storm Windows, Metal Sash and Frame Single and Double Hung Combination Storm Window and Screen Units, and Metal Windows, Storm and Screen Sashes. Kaufmann Corporation, Detroit, Mich.
Filed June 5, 1948, Serial No. 558,562. Published Aug. 28, 1951. Class 12.

552,141. Lotion Containing Thioglycolic Acid for Use in Permanent Waving Hair in Manner Known as Cold Waving. Arthur J. White Sales, Inc., Battle Creek, Mich., now by change of name Arthur J. White, Inc., a corporation of Michigan.
Filed Aug. 2, 1948, Serial No. 562,678. Published Sept. 25, 1951. Class 51.

552,142. Liquid Mixture of Hydrocarbons. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Aug. 5, 1948, Serial No. 562,829. Published Oct. 2, 1951. Class 6.

552,143. Tea, Coffee, Hot Chocolate Powder and Gelatin Powder. King Coffee, Inc., Detroit, Mich.
Filed Sept. 30, 1948, Serial No. 566,153. Published Sept. 11, 1951. Class 46.

552,144. Nuts, Bolts, Clamps, Metal Pipe, and Pipe Fittings. Delta-Star Electric Company, Chicago, Ill.
Filed Oct. 2, 1948, Serial No. 566,328. Published Oct. 2, 1951. Class 13.

552,145. Lubricating Oils. Ethel M. Page, Northampton, Mass.
Filed Sept. 23, 1948, Serial No. 570,014. Published Sept. 11, 1951. Class 15.

552,146. Tomato Paste. Sweet Life Food Corporation, Maspeth, N. Y.
Filed Dec. 7, 1948, Serial No. 570,128. Published Sept. 11, 1951. Class 46.

552,147. Hydraulic Valves and Valve Parts—Namely, Selector Valves, On-Off and Bypass Valves, and Pressure Operated Valves. Saval Company, Los Angeles, Calif.
Filed Dec. 11, 1948, Serial No. 570,381. Published Sept. 25, 1951. Class 13.

552,148. Fresh and Glazed Dates and Fresh Citrus Fruits—Namely, Oranges and Grapefruit. D. G. Sniff, doing business under the fictitious firm name of Sniff's, Indio, Calif.
Filed Dec. 13, 1948, Serial No. 570,444. Published Sept. 11, 1951. Class 46.

552,149. Preservatives for Wood, Lumber, and Other Cellulosic Materials. Monsanto Chemical Company, St. Louis, Mo.
Filed Jan. 5, 1949, Serial No. 571,654. Published Sept. 18, 1951. Class 6.

552,150. Table Syrup. Nalley's, Inc., Tacoma, Wash.
Filed Feb. 10, 1949, Serial No. 573,673. Published Aug. 28, 1951. Class 46.

552,151. Canned Lobster and Canned Fruit Cocktail. Henry W. Peabody & Co., Inc., Seattle, Wash., assignor to Peabody American, Inc., New York, N. Y., a corporation of New York.
Filed Feb. 17, 1949, Serial No. 574,048. Published Oct. 2, 1951. Class 46.

552,152. Men's Hats. David W. Miller & Sons, Inc., New York, N. Y.
Filed Mar. 29, 1949, Serial No. 576,270. Published Aug. 21, 1951. Class 39.

552,153. Women's Fur Coats, Cloth and Fur Coats, Fur Jackets, Fur Stoles, Fur Capes, and Fur Scarf Sets. Normandie Sales Corporation, New York, N. Y.
Filed Mar. 31, 1949, Serial No. 576,417. Published Aug. 21, 1951. Class 39.

552,154. Base Metal Bowls, Base Metal Vases, Base Metal Plates Used as Receptacles for Confections, and Base Metal Enamel Bowls and Vases. S. & G. Gump Company, San Francisco, Calif., assignor to Gump's, Inc., a corporation of California.
Filed Apr. 2, 1949, Serial No. 576,534. Published Oct. 2, 1951. Class 13.

552,155. Metal Folding Shelves. The Nik-O-Lok Company, Indianapolis, Ind.
Filed Apr. 4, 1949, Serial No. 576,591. Published Sept. 25, 1951. Class 13.

552,156. Sprayers Designed To Be Connected To Water Lines To Produce Useful and Decorative Water Sprays. Vincent C. Cerasi, Rome Italy.
Priority under Sec. 44(d). Italian Registration No. 92,930, filed Mar. 3, 1949.
Filed May 10, 1949, Serial No. 578,488. Published Oct. 2, 1951. Class 13.

552,157. Toothpicks. John Sexton & Co., Chicago, Ill.
Filed May 12, 1949, Serial No. 578,713. Published Sept. 4, 1951. Class 44.

552,158. Boots, Shoes, Slippers, Sandals, and Soles for All These Goods, Leggings, Gaiters, and Gloves Made of Textile Fabric, Leather, and Plastic Impregnated Textile Fabrics for Wear for the Use of Men, Women, and Children. William Spencer & Son (Waterfoot) Limited, Waterfoot, Rossendale, England.
Filed May 14, 1949, Serial No. 578,903. Published Sept. 4, 1951. Class 39.

552,159. Cart-Type Golf Bag Support. Toledo Guild Products, Inc., Toledo, Ohio.
Filed June 15, 1949, Serial No. 580,532. Published Aug. 21, 1951. Class 22.

552,160. Expandable Metal Racks for Drying and Creasing Trousers, Daily Stretchers, and Clothes Drying Racks. Sears, Roebuck and Co., Chicago, Ill.
Filed June 30, 1949, Serial No. 581,380. Published Oct. 2, 1951. Class 24.

552,161. Coverings for the Shoes and Ankles of the Wearer. Tide-Overs Company, Providence, R. I.
Filed June 30, 1949, Serial No. 581,387. Published Sept. 18, 1951. Class 39.

552,162. Misses', Women's, and Juniors' Cloth Coats and Suits. The Louis Marcus Corp., Baltimore, Md.
Filed July 1, 1949, Serial No. 581,431. Published Sept. 4, 1951. Class 39.

552,163. Hangers To Be Affixed to the Wall for Holding Garden and Household Tools. Arthur W. Reynolds, Newton, Conn., assignor to S & S Industries, Inc., New York, N. Y.
Filed July 12, 1949, Serial No. 581,830. Published July 10, 1951. Class 13.

552,164. Bolts. Presto-Bolt Mfg. Co., Sun Valley, Calif.
Filed July 13, 1949, Serial No. 581,889. Published Sept. 18, 1951. Class 13.

552,165. Men's, Women's, and Children's Riding Boots and Shoes Made Principally of Leather but Having Parts Formed of Fabric and Rubber. C. H. Hyer & Sons, Olathe, Kans.
Filed July 25, 1949, Serial No. 582,482. Published Sept. 4, 1951. Class 39.

552,166. Field Seeds. Huey Seed Company, Carthage, Ill.
Filed Aug. 1, 1949, Serial No. 582,785. Published Sept. 11, 1951. Class 1.

552,167. Asbestos Table Mats. A. & W. Asbestos Table Mat Company, Cleveland and East Cleveland, Ohio.
Filed Aug. 3, 1949, Serial No. 582,874. Published May 30, 1950. Class 50.

552,168. Staples. Thiel Tool & Engineering Company, St. Louis, Mo.
Filed Aug. 12, 1949, Serial No. 583,416. Published Oct. 2, 1951. Class 13.

552,169. Packets for Individual Use Containing Patterns, Instructions, and Materials for Construction of Doll's Dresses. Evelyn Cady, New York, N. Y.
Filed Aug. 16, 1949, Serial No. 583,518. Published Aug. 14, 1951. Class 22.

552,170. Household Laundry Washing Machines. The Dexter Company, Fairfield, Iowa.
Filed Aug. 23, 1949, Serial No. 583,864. Published Oct. 2, 1951. Class 24.

552,171. Leather. Albert Trostel & Sons Company, Milwaukee, Wis.
Filed Aug. 31, 1949, Serial No. 584,298. Published Sept. 11, 1951. Class 1.

552,172. Men's, Women's, and Children's Hats and Caps. Advertising Arts Corporation, New York, N. Y.
Filed Sept. 2, 1949, Serial No. 584,374. Published Aug. 21, 1951. Class 39.

552,173. Men's and Boys' Undershirts, Drawers, Unionsuits, and Men's, Women's, and Children's Hosiery. Moses Wolf, doing business as H. Wolf & Sons, Cincinnati, Ohio.
Filed Oct. 6, 1949, Serial No. 585,878. Published Sept. 25, 1951. Class 39.

552,174. Manually Operated Adjustable Brackets Adapted for Attachment to and For Use in Leveling Game Boards. Paul Cusano, Hasbrouck Heights, N. J.
Filed Oct. 12, 1949, Serial No. 586,147. Published Sept. 25, 1951. Class 13.

552,175. Men's Knitted and Textile Underwear. S. H. Kress and Company, New York, N. Y.
Filed Oct. 14, 1949, Serial No. 586,289. Published Sept. 25, 1951. Class 39.

552,176. Food Product in Fluid Form Made From Whole Milk, Skim Milk, Maltose, and Dextrin With Added Vitamin D, Providing a High Protein, Low Fat Formula for Infants. Mead Johnson & Company, Evansville, Ind.
Filed Oct. 17, 1949, Serial No. 586,418. Published Sept. 11, 1951. Class 46.

552,177. Men's and Young Men's Work Clothing—Namely, Overalls, Etc. Aldens, Inc., Chicago, Ill.
Filed Oct. 18, 1949, Serial No. 586,451. Published Sept. 25, 1951. Class 39.

552,178. Shoe Soles. Avon Sole Company, Avon, Mass.
Filed Oct. 22, 1949, Serial No. 586,676. Published Sept. 4, 1951. Class 39.

552,179. Lipstick and Nail Lacquer. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York.
Filed Nov. 3, 1949, Serial No. 587,247. Published Sept. 11, 1951. Class 51.

552,180. Bath Mitts. Lawndale Specialties Co., Evanston, Ill.
Filed Nov. 3, 1949, Serial No. 587,270. Published Oct. 2, 1951. Class 42.

552,181. Chemical Substances Used in Treating Metals Preparatory to Stamping, Drawing, Extruding, or Other Forming or Deforming Operations, or Preparatory to Painting, or for Forming a Corrosion-Resistant Surface on the Metal. Heintz Manufacturing Company, Philadelphia, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed Nov. 9, 1949, Serial No. 587,550. Published Oct. 2, 1951. Class 6.

552,182. Mechanical Pressure Regulating Valves for Insertion in the Line Between a Grease Pump and a Fitting. Balcrank, Inc., Cincinnati, Ohio.
Filed Nov. 10, 1949, Serial No. 587,618. Published Sept. 25, 1951. Class 13.

552,183. Work Clothes—Namely, Dungarees, Overalls, Outer Shirts, Caps, and Jackets. L. F. Armitage Company, Albert Lea, Minn.
Filed Nov. 14, 1949, Serial No. 587,700. Published Sept. 18, 1951. Class 39.

552,184. Closure Caps. Anchor Hocking Glass Corporation, Lancaster, Ohio.
Filed Nov. 15, 1949, Serial No. 587,784. Published Sept. 4, 1951. Class 50.

552,185. Synthetic Organic Chemical Compositions for Imparting Color, and Especially for Dyeing and Otherwise Coloring Textile Fibers. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,926. Published Oct. 2, 1951. Class 6.

552,186. Fruit Preserves, Jellies and Marmalades, Pickles—Namely, Sweet Pickles, Gherkin Pickles, and Dill Pickles; Relishes—Namely, Sweet Relish, Corn Country Relish, Cucumber Relish, and Pickle Spread; Etc. Glaser, Crandell Co., Chicago, Ill.
Filed Nov. 17, 1949, Serial No. 587,944. Published Sept. 11, 1951. Class 46.

552,187. Toilet Preparation for the Intimate Hygiene of Women. Gabriel Chagin, doing business as G. Chagin & Cia, Barranquilla, Colombia.
Filed Oct. 29, 1949, Serial No. 588,358. Published Sept. 11, 1951. Class 51.

552,188. Chemical Toxicants for Use in the Manufacture and Formulation of Agricultural Insecticides. Commercial Solvents Corporation, New York, N. Y.
Filed Nov. 30, 1949, Serial No. 588,553. Published Sept. 18, 1951. Class 6.

552,189. Alloy for Addition to Cast Iron, Said Alloy Containing at Least 3% of Magnesium, Calcium, Barium, Strontium, or Lithium, and at Least 15% of Silicon. Vanadium Corporation of America, New York, N. Y.
Filed Dec. 6, 1949, Serial No. 588,912. Published Sept. 11, 1951. Class 14.

552,190. Antiseptic Liquid Soaps. The Davies-Young Soap Company, Dayton, Ohio.
Filed Dec. 8, 1949, Serial No. 589,010. Published Sept. 4, 1951. Class 52.

552,191. Fresh Fruits, Fruit Juices, and Fruit Cake, and Fruit Preserves. Cobbs Fruit & Preserving Company, Little River, Fla.
Filed Dec. 15, 1949, Serial No. 589,378. Published Sept. 4, 1951. Class 46.

552,192. Women's Cloth Coats, Fur Coats, or Coats of Combinations of Cloth and Fur. Gus Mayer Co., Limited, New Orleans, La.
Filed Dec. 20, 1949, Serial No. 589,666. Published Sept. 4, 1951. Class 39.

552,193. Containers Designed for the Purpose of Holding Artificial Fishing Flies. Gordon H. Lawrence, Sunnyside, N. Y.
Filed Dec. 23, 1949, Serial No. 589,856. Published Aug. 28, 1951. Class 22.

552,194. Pure Silk Bridal Illusion, Silk Veilings, Silk Maline, and French Veilings. Elvic Import Corporation, New York, N. Y.
Filed Jan. 5, 1950, Serial No. 590,356. Published Sept. 25, 1951. Class 42.

552,195. Fish Lines and Particularly Lines Made of Extruded Material Such as Nylon or Other Plastic, Either as a Single Filament or a Plurality of Filaments Braided or Fused Together. Thommen Sports Equipment Inc., New York, N. Y.
Filed Jan. 6, 1950, Serial No. 590,465. Published Aug. 21, 1951. Class 22.

552,196. Builders' Hardware Articles of Aluminum Coated With a Black Anodic Finish, Etc. Detroit Hardware Manufacturing Company, Detroit, Mich.
Filed Jan. 12, 1950, Serial No. 590,736. Published Oct. 2, 1951. Class 13.

552,197. 2,4-D Ester Weed Killer, 2,4-D Amine Weed Killer, Grain Fumigant, Wood Preservative, Methanol Antifreeze, Acetone, C. P. 25% DDT Spray Concentrate, 45% Chlordane Emulsion, Grease and Oil Absorbent. Warren-Douglas Chemical Co. Inc., Omaha, Nebr.
Filed Jan. 12, 1950, Serial No. 590,770. Published Sept. 18, 1951. Class 6.

552,198. Shelled and Unshelled Pecans and Sweetened Desiccated Coconut. Marx Brothers, Birmingham, Ala.
Filed Jan. 13, 1950, Serial No. 590,788. Published Sept. 4, 1951. Class 46.

552,199. Copper in the Form of Bars, Rods, Wires, Cables, and Metal Tubing Stock. General Cable Corporation, New York, N. Y.
Filed Jan. 18, 1950, Serial No. 591,029. Published Sept. 18, 1951. Class 14.

552,200. Shaving Lotion and Face Skin Tonic. Naamloze Vennootschap Chemicaliënhandel Odol Company (Odol Maatschappij), Amsterdam, Netherlands, assignor to Extraction and Chemical Company, Incorporated, New York, N. Y.
Filed Jan. 30, 1950, Serial No. 591,692. Published Aug. 7, 1951. Class 51.

552,201. Neckties, Scarves, Hats, and Belts for Ladies and Men. Suzanne Tardy, doing business as French Art Silk Creations Co., New York, N. Y.
Filed Feb. 16, 1950, Serial No. 592,584. Published Aug. 28, 1951. Class 39.

552,202. Tooth Powder. The Andrew Jergens Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 592,637. Published Sept. 11, 1951. Class 51.

552,203. Handkerchiefs. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed Feb. 24, 1950, Serial No. 592,987. Published Sept. 18, 1951. Class 39.

552,204. Rinse for Nylon Hosiery. Rudolph Smisek, doing business as Nylo-Save Laboratory, Willoughby, Ohio.
Filed Mar. 3, 1950, Serial No. 593,517. Published Sept. 18, 1951. Class 6.

552,205. Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,548. Published Aug. 21, 1951. Class 39.

552,206. Men's and Boys' Sport and Work Shirts. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,553. Published Aug. 21, 1951. Class 39.

552,207. Men's and Boys' Outer Dress, Sport, and Work Shirts, Collars, Pajamas, and Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,558. Published Aug. 21, 1951. Class 39.

552,208. Dolls. Lazzara Doll Co., Inc., New York, N. Y.
Filed Mar. 10, 1950, Serial No. 593,730. Published Aug. 21, 1951. Class 22.

552,209. Welding Flux Material. Eutectic Welding Alloys Corporation, New York, N. Y.
Filed Mar. 18, 1950, Serial No. 594,203. Published Sept. 18, 1951. Class 6.

552,210. Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 18, 1950, Serial No. 594,209. Published Aug. 7, 1951. Class 18.

552,211. Aluminium Saucepans, Aluminium Kettles, Basins, Bowls, Etc. The London Aluminium Company Limited, Witton, Birmingham, England.
Filed Mar. 18, 1950, Serial No. 594,225. Published Sept. 18, 1951. Class 13.

552,212. Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials, Etc. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 20, 1950, Serial No. 594,262. Published Sept. 18, 1951. Class 6.

552,213. Wheat Flour. Pillsbury Mills, Inc., Minneapolis, Minn.
Filed Mar. 22, 1950, Serial No. 594,398. Published Sept. 4, 1951. Class 46.

552,214. Fungicides and Insecticides in Dusting and Wettable Forms, Etc. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed Mar. 25, 1950, Serial No. 594,639. Published Sept. 18, 1951. Class 6.

552,215. Shoes and Slippers of Leather or Cloth and Combinations of Leather and Cloth for Men, Women, and Children. Frank Brothers Footwear, Inc., New York, N. Y.
Filed Mar. 27, 1950, Serial No. 594,710. Published Sept. 4, 1951. Class 39.

552,216. Children's Socks, Scarves, Handkerchiefs, Neckerchiefs, and Mufflers. Robert E. Smith, New York, N. Y., assignor to Kagran Corporation, New York, N. Y., a corporation of New York.
Filed Mar. 31, 1950, Serial No. 595,002. Published Aug. 28, 1951. Class 39.

552,217. Spring and Inertia Operated Rolling Toys in the Form of Miniature Men. Products Manufacturing Co., Inc., Baltimore, Md.
Filed Apr. 1, 1950, Serial No. 595,091. Published Aug. 14, 1951. Class 22.

552,218. Plasticizers. Morton-Withers Chemical Company, Greensboro, N. C.
Filed Apr. 5, 1950, Serial No. 595,271. Published Oct. 2, 1951. Class 6.

552,219. Men's Locker Room Aprons. Royal Robes Inc., New York, N. Y.
Filed Apr. 7, 1950, Serial No. 595,416. Published Sept. 18, 1951. Class 39.

552,220. Women's, Men's, Young Men's, and Students' Clothing, Consisting of Suits, Overcoats, Leather Jackets, Leisure Coats, and Sport Jackets. Concord Clothes, Inc., New York, N. Y.
Filed Apr. 8, 1950, Serial No. 595,451. Published Sept. 25, 1951. Class 39.

552,221. Insecticides. Knapp-Monarch Company, St. Louis, Mo.
Filed Apr. 10, 1950, Serial No. 595,502. Published Sept. 18, 1951. Class 6.

552,222. Women's, Misses', Girls' Dresses, Coats, Underwear, Suits, Culottes, and Bicycle Pants. Albert B. Weinberg, New York, N. Y.; Maxine Weinberg and Bernard Furgatch, executors of said Albert B. Weinberg, deceased, assignors to Henry L. Weisburg, New York, N. Y.
Filed Apr. 11, 1950, Serial No. 595,575. Published Sept. 4, 1951. Class 39.

552,223. Women's, Misses', Girls' Dresses, Coats, Underwear, Suits, and Playclothes—Namely, Women's Slacks, Bathing Suits, Culottes, and Bicycle Pants. Albert B. Weinberg, New York, N. Y.; Maxine Weinberg and Bernard Furgatch, executors of said Albert B. Weinberg, deceased, assignors to Henry L. Weisburg, New York, N. Y.
Filed Apr. 11, 1950, Serial No. 595,577. Published Sept. 4, 1951. Class 39.

552,224. Women's, Misses', Girls' Dresses, Coats, Underwear, Suits, and Playclothes—Namely, Women's Slacks, Bathing Suits, Culottes, and Bicycle Pants. Albert B. Weinberg, New York, N. Y.; Maxine Weinberg and Bernard Furgatch, executors of said Albert B. Weinberg, deceased, assignors to Henry L. Weisburg, New York, N. Y.
Filed Apr. 11, 1950, Serial No. 595,578. Published Sept. 4, 1951. Class 39.

552,225. Metal Trays for Use on Tops of Refrigerators. The Wolcott Company, Hartford, Conn.
Filed Apr. 13, 1950, Serial No. 595,694. Published Sept. 18, 1951. Class 13.

552,226. Fresh Sweet Potatoes. Meyer M. Levin, doing business as Carolina Yam Distributors, Williamston, N. C.
Filed Apr. 20, 1950, Serial No. 596,034. Published Sept. 11, 1951. Class 46.

552,227. Leather, Cloth Top, Satin Top, Metallic Cloth Top, and Plastic Top Boots, Shoes, Pumps, Slippers, and Sandals for Women and Girls. M. J. Saks Shoe Corp., New York, N. Y.
Filed Apr. 20, 1950, Serial No. 596,051. Published Sept. 4, 1951. Class 39.

552,228. Footwear Made of Rubber and of Combinations of Rubber and Fabric—Namely, Boots, Gaiters, Overshoes, and Rubbers for Men, Women, and Children. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.
Filed Apr. 27, 1950, Serial No. 596,432. Published Sept. 25, 1951. Class 39.

552,229. Women's and Girls' Hat Bodies, Hats. Louis Weinberg Associates, Inc., New York, N. Y.
Filed Apr. 28, 1950, Serial No. 596,542. Published Aug. 21, 1951. Class 39.

552,230. Children's Clothing—Namely, Overalls. Coronet Sportswear, Inc., Sunbury, Pa.
Filed May 5, 1950, Serial No. 596,901. Published Sept. 18, 1951. Class 39.

552,231. Canned Sausage. Manuel Muniz, doing business as Pelayo Sausage Co., Tampa, Fla.
Filed May 5, 1950, Serial No. 596,930. Published Sept. 4, 1951. Class 46.

552,232. Laundry Liquid Rinse in the Nature of an Acid Compound That Removes Calcium Soap Deposits From the Clothes and Laundry Compound in the Nature of a Washing Powder. Bonewitz Chemicals, Inc., Burlington, Iowa.
Filed May 10, 1950, Serial No. 597,192. Published Sept. 4, 1951. Class 52.

552,233. Men's Neckwear—Namely, Neckties, Scarfs, Cravats, and Mufflers. B. W. Mayer, Ltd., New York, N. Y.
Filed May 13, 1950, Serial No. 597,409. Published Aug. 28, 1951. Class 39.

552,234. Golf Clubs. The Horton Manufacturing Company, Bristol, Conn., now by change of name The Horton Bristol Manufacturing Company.
Filed May 16, 1950, Serial No. 597,526. Published Aug. 7, 1951. Class 22.

552,235. Table Settings Composed of Combinations of Two or More of the Following Items: Chinaware, Glassware, Flatware, and Linens, the Settings Being With or Without a Centerpiece. Carole Stupell Ltd., New York, N. Y.
Filed May 18, 1950, Serial No. 597,711. Published Sept. 4, 1951. Class 50.

552,236. Dolls. The Sun Rubber Company, Barberton, Ohio.
Filed May 22, 1950, Serial No. 597,918. Published Aug. 21, 1951. Class 22.

552,237. Dolls. The Sun Rubber Company, Barberton, Ohio.
Filed May 22, 1950, Serial No. 597,919. Published Aug. 21, 1951. Class 22.

552,238. Stock Feeding Salt. Jefferson Island Salt Company, Louisville, Ky.
Filed May 25, 1950, Serial No. 598,081. Published Sept. 18, 1951. Class 46.

552,239. Ladies' Shoes. Marino & Son Shoe Corp., New York, N. Y.
Filed May 29, 1950, Serial No. 598,311. Published Sept. 4, 1951. Class 39.

552,240. Shoes for Girls. Girl Scouts of the United States of America, New York, N. Y.
Filed June 3, 1950, Serial No. 598,529. Published Sept. 25, 1951. Class 39.

552,241. Candy. Charms Company, Asbury Park, N. J.
Filed June 6, 1950, Serial No. 598,636. Published Sept. 4, 1951. Class 46.

552,242. Baking Powder. General Foods Corporation, New York, N. Y.
Filed June 6, 1950, Serial No. 598,644. Published Oct. 2, 1951. Class 46.

552,243. Baking Powder. General Foods Corporation, New York, N. Y.
Filed June 6, 1950, Serial No. 598,646. Published Oct. 2, 1951. Class 46.

552,244. Children's Clothing—Namely, Outer Shirts, Pants, Riding Pants, Dungarees, Chaps, Hats, Bandannas, Jackets, Coats, and Shoes. Rich's, Inc., Atlanta, Ga.
Filed June 6, 1950, Serial No. 598,679. Published Sept. 18, 1951. Class 39.

552,245. Fruit Jelly. Southeastern Syrup Company, Jackson, Tenn.
Filed June 9, 1950, Serial No. 598,870. Published Sept. 25, 1951. Class 46.

552,246. Canned Fruits. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed June 13, 1950, Serial No. 599,024. Published Sept. 11, 1951. Class 46.

552,247. Mechanical Fluid Straining and Filtering Apparatus and Parts Thereof as Accessories for Filtering Liquids for Machinery and Engines. The Cuno Engineering Corporation, Meriden, Conn.
Filed June 15, 1950, Serial No. 599,158. Published Oct. 2, 1951. Class 31.

552,248. Metal Scaffolding of Tubular Type, Including Accessories and Adjunctive Scaffolding Elements and Parts. Automatic Devices, Inc., St. Louis, Mo.
Filed June 22, 1950, Serial No. 599,548. Published Sept. 4, 1951. Class 50.

552,249. Toy Bubble Blowing Devices and Liquid. Eastover Engineering and Sales Co., Inc., Charlotte, N. C.
Filed June 26, 1950, Serial No. 599,753. Published June 5, 1951. Class 22.

552,250. Men's Suits, Trousers, and Hats. McDougall & Cassou Men's Shop, Inc., Phoenix, Ariz.
Filed July 15, 1950, Serial No. 600,730. Published Oct. 2, 1951. Class 39.

552,251. Men's and Boys' Shoes, Made of Leather, Rubber, Fabric, and/or Any Combinations Thereof. Cannon Shoe Company, Baltimore, Md.
Filed July 21, 1950, Serial No. 601,020. Published Sept. 4, 1951. Class 39.

552,252. Lawn Sprinklers. Baramark World Corporation, New York, N. Y.
Filed July 22, 1950, Serial No. 601,092. Published Oct. 2, 1951. Class 13.

552,253. Pile Ointment. G & M Company, Carrollton, Ky.
Filed Aug. 4, 1950, Serial No. 601,721. Published Aug. 28, 1951. Class 18.

552,254. Hats for Men. Hat Corporation of America, Norwalk, Conn.
Filed Aug. 5, 1950, Serial No. 601,788. Published Aug. 21, 1951. Class 39.

552,255. Layettes, Including Clothing and Equipment, for Dolls. The Sun Rubber Company, Barberton, Ohio.
Filed Aug. 15, 1950, Serial No. 602,227. Published Oct. 2, 1951. Class 22.

552,256. Propane Gas, a Petroleum Fuel Gas Used Primarily in Cooking Stoves and Heaters, Contained Under Pressure in Metal Cylinders. Pur-O-Pane Bottled Gas Company, Sparta, Ill.
Filed Aug. 25, 1950, Serial No. 602,775. Published Sept. 18, 1951. Class 6.

552,257. Men's and Women's Shoes Made of Leather, Rubber, Fabric, Composition, and Combinations Thereof. I. Cohen & Sons Co., Inc., Boston, Mass.
Filed Aug. 30, 1950, Serial No. 602,930. Published Sept. 25, 1951. Class 39.

552,258. Women's and Men's Shoes Made of Leather, Rubber, Fabric, or a Combination of These Materials. Allied Stores Corporation, New York, N. Y.
Filed Sept. 1, 1950, Serial No. 603,035. Published Sept. 4, 1951. Class 39.

552,259. Potato Chips, Potato Wafers, Shelled Nuts, Unpopped Popcorn, French Fried Popcorn, and Cheese Flavored Popcorn. Blue Star Foods, Inc., Rockford, Ill.
Filed Sept. 1, 1950, Serial No. 603,041. Published Sept. 18, 1951. Class 46.

552,260. Artificial, Natural, and Synthetic Essential Oils, and Aromatic Chemicals From Natural and Other Sources, Used as a Flavoring or an Ingredient in Medicines or Pharmaceutical Preparations. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Sept. 15, 1950, Serial No. 603,580. Published Oct. 2, 1951. Class 18.

552,261. Sandals for Use by Men, Women, and Children. C. & J. Clark Limited, Street, England.
Filed Sept. 25, 1950, Serial No. 603,954. Published Sept. 4, 1951. Class 39.

552,262. Men's Suits and Coats. Hickey-Freeman Co., Rochester, N. Y.
Filed Sept. 30, 1950, Serial No. 604,261. Published Sept. 18, 1951. Class 39.

552,263. Poultry and Stock Feed, Dog Food and Fox and Mink Food, Comprised Principally of Molasses, Wheat Bran, Wheat Middlings, Low Grade Flour, Ground Yellow Corn, Etc. Montana Flour Mills Company, Great Falls, Mont.
Filed Oct. 3, 1950, Serial No. 604,378. Published Sept. 4, 1951. Class 46.

552,264. Women's, Girls', and Children's Hats. Adelcia, St. Petersburg, Fla.
Filed Oct. 6, 1950, Serial No. 604,511. Published Aug. 21, 1951. Class 39.

552,265. Die and Tool Steel. Kloster Steel Corporation, Chicago, Ill.
Filed Oct. 7, 1950, Serial No. 604,583. Published Sept. 18, 1951. Class 14.

552,266. Chemical Preservatives for Wood. Monsanto Chemical Company, St. Louis, Mo.
Filed Oct. 9, 1950, Serial No. 604,654. Published Sept. 18, 1951. Class 6.

552,267. Textile Fabrics, in the Piece, Comprised of Cotton, Rayon, Wool, Silk, Nylon, and Combinations Thereof. Mandee Fabrics, Inc., New York, N. Y.
Filed Oct. 12, 1950, Serial No. 604,789. Published Oct. 2, 1951. Class 42.

552,268. Liquid Composition for the Waterproofing of Fabrics. Champion Textile Finishing Co., Chicago, Ill.
Filed Oct. 13, 1950, Serial No. 604,838. Published Oct. 2, 1951. Class 6.

552,269. Embalming Chemicals. Norris A. Dodson Incorporated, Dover, Del., and Washington, D. C.
Filed Sept. 15, 1950, Serial No. 604,886. Published Sept. 18, 1951. Class 6.

552,270. Condiments—Namely, Sauces for Vegetables and Meats and Combinations Thereof. Sylvia Hillstrom, doing business as Blessing Co., Wilton, Conn.
Filed Oct. 17, 1950, Serial No. 605,032. Published Sept. 18, 1951. Class 46.

552,271. Concentrated Solution of Ferrous Sulphate Used for the Treatment of Iron Deficiency. Mead Johnson & Company, Evansville, Ind.
Filed Oct. 18, 1950, Serial No. 605,106. Published Sept. 4, 1951. Class 18.

552,272. Accordions. Excelsior Accordions, Inc., New York, N. Y.
Filed Oct. 20, 1950, Serial No. 605,205. Published Sept. 25, 1951. Class 36.

552,273. Accordions. Excelsior Accordions, Inc., New York, N. Y.
Filed Oct. 20, 1950, Serial No. 605,206. Published Oct. 2, 1951. Class 36.

552,274. Sports Shirts, Dress Shirts, Knit Shirts, and Pajamas for Children and Girls and Boys. I. Jablow & Co., Inc., Philadelphia, Pa.
Filed Oct. 23, 1950, Serial No. 605,423. Published Aug. 21, 1951. Class 39.

552,275. Sports Shirts, Dress Shirts, Knit Shirts, and Pajamas for Children and Girls and Boys. I. Jablow & Co., Inc., Philadelphia, Pa.
Filed Oct. 23, 1950, Serial No. 605,424. Published Aug. 21, 1951. Class 39.

552,276. Sports Shirts, Dress Shirts, Knit Shirts, and Pajamas for Children and Girls and Boys. I. Jablow & Co., Inc., Philadelphia, Pa.
Filed Oct. 23, 1950, Serial No. 605,425. Published Aug. 21, 1951. Class 39.

552,277. Sports Shirts, Dress Shirts, Knit Shirts, and Pajamas for Children and Girls and Boys. I. Jablow & Co., Inc., Philadelphia, Pa.
Filed Oct. 23, 1950, Serial No. 605,426. Published Aug. 21, 1951. Class 39.

552,278. Hair Rinse and Tints. The Charles Marchand Company, New York, N. Y.
Filed Nov. 1, 1950, Serial No. 605,752. Published Sept. 4, 1951. Class 51.

552,279. Women's Shoes. Joyce, Inc., Pasadena, Calif.
Filed Nov. 6, 1950, Serial No. 605,957. Published Sept. 4, 1951. Class 39.

552,280. Collars. Brooks Brothers, New York, N. Y.
Filed Nov. 7, 1950, Serial No. 605,986. Published Aug. 21, 1951. Class 39.

552,281. Hosiery for Women and Girls. Bryan Full Fashioned Mills, Chattanooga, Tenn.
Filed Nov. 7, 1950, Serial No. 605,989. Published Sept. 25, 1951. Class 39.

552,282. Shoe Soles and Heels. The Danbury Rubber Company, Inc., Danbury, Conn.
Filed Nov. 7, 1950, Serial No. 606,001. Published Sept. 25, 1951. Class 39.

552,283. Means for Controlling Gas Flow — Namely, Valves. Detroit Regulator Company, Detroit, Mich.
Filed Nov. 7, 1950, Serial No. 606,003. Published Sept. 25, 1951. Class 13.

552,284. Non-Skid Rug Compounds for Textiles, Carpets, and Rugs. Joseph M. Adamo, doing business under the fictitious name and style of Adamo Co., Los Angeles, Calif.
Filed Nov. 8, 1950, Serial No. 606,065. Published Sept. 18, 1951. Class 6.

552,285. Boys' and Girls' School Bags. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,119. Published Oct. 2, 1951. Class 3.

552,286. Laundry Starch. The Hubinger Company, Keokuk, Iowa.
Filed Nov. 10, 1950, Serial No. 606,219. Published Sept. 18, 1951. Class 6.

552,287. Fresh Apples. Chelan View Orchard Company, Chelan and Wenatchee, Wash.
Filed Nov. 13, 1950, Serial No. 606,271. Published Aug. 28, 1951. Class 46.

552,288. Frozen Fresh Green Peas. Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif.
Filed Nov. 14, 1950, Serial No. 606,358. Published Sept. 11, 1951. Class 46.

552,289. Preparations for Killing Weeds and Destroying Vermin, Insecticides, Fungicides, Sterilizing Preparations, and Disinfectants. Geigy Company, Inc., New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,464. Published Sept. 18, 1951. Class 6.

552,290. Bifurcated and Tubular Rivets, and Upholstery Nails. Steels & Busks Limited, trading as S. & D. Rivet Co., Leicester, England.
Filed Nov. 18, 1950, Serial No. 606,634. Published Sept. 18, 1951. Class 13.

552,291. Emulsified Insecticide. The Stro-Kon Company, Whittier, Calif.
Filed Nov. 18, 1950, Serial No. 606,635. Published Oct. 2, 1951. Class 6.

552,292. Emulsified Insecticide. The Stro-Kon Company, Whittier, Calif.
Filed Nov. 18, 1950, Serial No. 606,636. Published Oct. 2, 1951. Class 6.

552,293. Men's and Boys' Overcoats, Topcoats, and Stormcoats. Liberty Garment Manufacturing Co., Minneapolis, Minn.
Filed Nov. 20, 1950, Serial No. 606,669. Published Aug. 21, 1951. Class 39.

552,294. Hats and Caps for Men, Women, and Children. John B. Stetson Company, Philadelphia, Pa.
Filed Nov. 22, 1950, Serial No. 606,815. Published Aug. 21, 1951. Class 39.

552,295. Gray and White Iron Castings, Specifically, Castings for Parts of Printing Machines and Scales, Textile Machinery, Water Heaters, Machine Tools, Diesel Engines, Farm Machinery, Building Hardware, Electric Appliances, and Airplanes. The Hamilton Foundry & Machine Company, Hamilton, Ohio.
Filed Nov. 25, 1950, Serial No. 606,941. Published Sept. 11, 1951. Class 14.

552,296. Necktie Fabrics, of Silk and Rayon. Raxon Fabrics Corp., New York, N. Y.
Filed Nov. 25, 1950, Serial No. 606,950. Published Sept. 25, 1951. Class 42.

552,297. Women's Hosiery. H. Woods Company, San Francisco, Calif.
Filed Nov. 29, 1950, Serial No. 607,107. Published Sept. 25, 1951. Class 39.

552,298. Fresh Grapes. E. F. Pinkham & Son, Exeter, Calif.
Filed Dec. 1, 1950, Serial No. 607,189. Published Sept. 4, 1951. Class 46.

552,299. Oleomargarine. Osceola Foods, Inc., Osceola, Ark.
Filed Dec. 6, 1950, Serial No. 607,341. Published Sept. 4, 1951. Class 46.

552,300. Oleomargarine. Osceola Foods, Inc., Osceola, Ark.
Filed Dec. 6, 1950, Serial No. 607,342. Published Sept. 4, 1951. Class 46.

552,301. Oleomargarine. Osceola Foods, Inc., Osceola, Ark.
Filed Dec. 6, 1950, Serial No. 607,343. Published Sept. 4, 1951. Class 46.

552,302. Oleomargarine. Osceola Foods, Inc., Osceola, Ark.
Filed Dec. 6, 1950, Serial No. 607,344. Published Sept. 4, 1951. Class 46.

552,303. Plasticizers, Drying or Semi-Drying Oils and Synthetic Resins, Etc. Pan American Refining Corporation, New York, N. Y.
Filed Dec. 6, 1950, Serial No. 607,345. Published Sept. 18, 1951. Class 6.

552,304. Chemicals for Coating Textile Material, Particularly Silk and Nylon Hosiery and Lingerie, to Lengthen the Wear Thereof. Ny-Last Chemical Co., Newark, N. J., assignor to Shaw Products Corporation, Philadelphia, Pa., a corporation of Pennsylvania.
Filed Dec. 7, 1950, Serial No. 607,394. Published Sept. 11, 1951. Class 6.

552,305. Insecticidal Wood Preservative. Chapman Chemical Company, Memphis, Tenn.
Filed Dec. 11, 1950, Serial No. 607,538. Published Sept. 18, 1951. Class 6.

552,306. Chemical Product Used in Water Treating for Scale, Algae and Corrosion Control, and Otherwise To Prevent the Accumulation of Foreign Matter on the Walls of Pipes or Containers. D. W. Haering & Co., Inc., San Antonio, Tex.
Filed Dec. 13, 1950, Serial No. 607,627. Published Sept. 18, 1951. Class 6.

552,307. Liquid Air Deodorant. Miller Protecto Products Co., Kalamazoo, Mich.
Filed Dec. 13, 1950, Serial No. 607,635. Published Sept. 18, 1951. Class 6.

552,308. Pest Control Material Containing p-Chlorophenyl Phenyl Sulfone. Stauffer Chemical Company, San Francisco, Calif.
Filed Dec. 13, 1950, Serial No. 607,648. Published Sept. 18, 1951. Class 6.

552,309. Compound of Petroleum Oils for Softening, Rewetting, Plasticizing and Lubricating Fibers, Both Natural and Synthetic. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.
Filed Dec. 14, 1950, Serial No. 607,690. Published Sept. 18, 1951. Class 6.

552,310. Corrosion Preventives and Antifoaming Agents. Hagan Corporation, Pittsburgh, Pa.
Filed Dec. 15, 1950, Serial No. 607,706. Published Sept. 18, 1951. Class 6.

552,311. Wetting Agents Used in Conjunction With Mechanical Cotton Picking Equipment. Mid-State Chemical Supply Co., Lindsay, Calif.
Filed Dec. 15, 1950, Serial No. 607,714. Published Sept. 18, 1951. Class 6.

552,312. Insecticides. Van Brode Milling Co., Inc., Clinton, Mass.
Filed Dec. 15, 1950, Serial No. 607,730. Published Sept. 18, 1951. Class 6.

552,313. Parasiticides Used With Lawn and Farm Seeds. Cargill, Incorporated, Minneapolis, Minn.
Filed Dec. 18, 1950, Serial No. 607,792. Published Sept. 18, 1951. Class 6.

552,314. Men's, Women's, and Boys' Sportcoats, Topcoats, Leisure Jackets, Golf Jackets, Coats, Vests, Trousers, and Suits. Hart, Schaffner & Marx, Chicago, Ill.
Filed Dec. 18, 1950, Serial No. 607,813. Published Sept. 18, 1951. Class 39.

552,315. Ion Exchange Resins. National Aluminate Corporation, Chicago, Ill.
Filed Dec. 20, 1950, Serial No. 607,900. Published Sept. 18, 1951. Class 6.

552,316. Chemical Compositions — Namely, Iodinated Polyethyleneoxidearyl Condensate With Excess Iodine in Liquid and Solid Form. West Disinfecting Company, Long Island City, N. Y.
Filed Dec. 20, 1950, Serial No. 607,911. Published Sept. 18, 1951. Class 6.

552,317. Chemical Compositions — Namely, Polyvinylpyrrolidone Iodinate With Excess Iodine in Liquid and Powder Form. West Disinfecting Company, Long Island City, N. Y.
Filed Dec. 20, 1950, Serial No. 607,913. Published Sept. 18, 1951. Class 6.

552,318. Chemical Compositions—Namely, Polyvinylpyrrolidone in Liquid and Powder Form. West Disinfecting Company, Long Island City, N. Y.
Filed Dec. 20, 1950, Serial No. 607,914. Published Sept. 18, 1951. Class 6.

552,319. Chemical Compositions—Namely, Polyethyleneoxidearyl Condensate in Liquid or Solid Form. West Disinfecting Company, Long Island City, N. Y.
Filed Dec. 20, 1950, Serial No. 607,915. Published Sept. 18, 1951. Class 6.

552,320. Chemical Products for Use as Textile Auxiliary Agents. Ciba Limited, Basel, Switzerland.
Filed Dec. 21, 1950, Serial No. 607,939. Published Sept. 18, 1951. Class 6.

552,321. Ladies' Hosiery. Majestic Ladies Shop, Inc., New York, N. Y.
Filed Dec. 21, 1950, Serial No. 607,959. Published Sept. 25, 1951. Class 39.

552,322. Infants' Underwear. Malone Knitting Company, Springfield, Mass.
Filed Dec. 21, 1950, Serial No. 607,960. Published Sept. 25, 1951. Class 39.

552,323. Insecticides. Mathieson Chemical Corporation, Baltimore, Md.
Filed Dec. 21, 1950, Serial No. 607,961. Published Sept. 18, 1951. Class 6.

552,324. Ladies' and Misses' Sweaters and Sweater Ensembles. Premier Knitting Co. Inc., New York, N. Y.
Filed Dec. 22, 1950, Serial No. 608,016. Published Sept. 25, 1951. Class 39.

552,325. Fresh Vegetables. Edward J. Pryor, Santa Maria, Calif.
Filed Dec. 26, 1950, Serial No. 608,080. Published Sept. 11, 1951. Class 46.

552,326. Fluxing Preparation To Be Added to Precious Metals, Especially Gold and Alloys Thereof, During Melting and Casting Operations and Particularly for Investment and Lost-Wax Precious Metal Castings. Consolidated Refining Co., New York, N. Y.
Filed Dec. 27, 1950, Serial No. 608,106. Published Sept. 18, 1951. Class 6.

552,327. Coloring Materials, Particularly Dyes for Textile Material. General Dyestuff Corporation, New York, N. Y.
Filed Dec. 30, 1950, Serial No. 608,245. Published Sept. 18, 1951. Class 6.

552,328. Dyestuffs. Aktiebolaget Bofors, Bofors, Sweden.
Filed Jan. 4, 1951, Serial No. 608,334. Published Oct. 2, 1951. Class 6.

552,329. Canned Tuna. West Coast Packing Corporation, Long Beach, Calif.
Filed Jan. 8, 1951, Serial No. 608,525. Published Sept. 4, 1951. Class 46.

552,330. Fresh Vegetables. Jerome Kantro, doing business as Jerome Kantro Co., Salinas, Calif.
Filed Jan. 9, 1951, Serial No. 608,546. Published Oct. 2, 1951. Class 46.

552,331. Candy Marshmallows. National Bakers Supply Corporation, Somerville, Mass.
Filed Jan. 16, 1951, Serial No. 608,828. Published Sept. 18, 1951. Class 46.

552,332. Sink Drainboards. Virtue Bros. Mfg. Co., Los Angeles, Calif.
Filed Jan. 24, 1951, Serial No. 609,217. Published Aug. 7, 1951. Class 13.

552,333. Lead Ingots and Lead Pigs. Gulf Minerals Corporation, Baton Rouge, La.
Filed Feb. 27, 1951, Serial No. 610,556. Published Sept. 18, 1951. Class 14.

552,334. Soldering Material, Composed of Pulverized Solder, a Flux, and a Carrier. General Bronze Corporation, Garden City, N. Y.
Filed Mar. 1, 1951, Serial No. 610,678. Published Sept. 11, 1951. Class 14.

552,335. Interior Sliding Door Hardware — Namely, Tracks, Rollers, Door Hangers, and Door Guides. Jay G. McKenna, Inc., Elkhart, Ind.
Filed Mar. 3, 1951, Serial No. 610,793. Published Oct. 2, 1951. Class 13.

552,336. Valves for Use in Conjunction With Heating Systems and Systems Requiring Air or Gas To Be Removed Therefrom. Taco Heaters, Incorporated, Providence, R. I.
Filed Mar. 8, 1951, Serial No. 611,048. Published Sept. 18, 1951. Class 13.

552,337. Form Clamp of the Type Used in Constructing Form Walls. W. J. Burke & Co., San Francisco, Calif.
Filed Mar. 20, 1951, Serial No. 611,557. Published Sept. 18, 1951. Class 13.

552,338. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Mar. 23, 1951, Serial No. 611,694. Published Sept. 25, 1951. Class 42.

552,339. Racks Designed To Be Affixed to the Wall or Door To Support and Hold Brooms, Brushes, Towels, Umbrellas, Tools, Neckties, Soap and Other Packages, Play Implements and Other Household, Garage, Play-Room, and Related Items. Lilee Products, Inc., Chicago, Ill.
Filed Mar. 31, 1951, Serial No. 612,079. Published Sept. 18, 1951. Class 13.

552,340. Chilled Steel Globules Used as the Cutting Medium With Core Drills. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Apr. 6, 1951, Serial No. 612,329. Published Sept. 11, 1951. Class 14.

552,341. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Apr. 9, 1951, Serial No. 612,392. Published Oct. 2, 1951. Class 42.

552,342. Cotton Piece Goods. The Bombay Dyeing & Manufacturing Co. Ltd., Bombay, India.
Filed Apr. 16, 1951, Serial No. 612,677. Published Oct. 2, 1951. Class 42.

552,343. Cotton Piece Goods. The Bombay Dyeing & Manufacturing Co. Ltd., Bombay, India.
Filed Apr. 16, 1951, Serial No. 612,678. Published Oct. 2, 1951. Class 42.

552,344. Cotton Piece Goods. Mooresville Mills, Inc., Mooresville, N. C.
Filed Apr. 18, 1951, Serial No. 612,813. Published Oct. 2, 1951. Class 42.

552,345. Stable-Surface Alloy Steels in the Form of Welding Rods. Stoody Company, Whittier, Calif.
Filed Apr. 23, 1951, Serial No. 613,031. Published Sept. 11, 1951. Class 14.

552,346. Die Casting Alloy. The New Jersey Zinc Company, New York, N. Y.
Filed Apr. 28, 1951, Serial No. 613,304. Published Sept. 11, 1951. Class 14.

552,347. Spring Wire. The Colorado Fuel and Iron Corporation, Denver, Colo.
Filed May 5, 1951, Serial No. 613,559. Published Sept. 11, 1951. Class 14.

552,348. Solder. Bow Solder Products Co., Inc., Brooklyn, N. Y.
Filed June 1, 1951, Serial No. 614,612. Published Sept. 18, 1951. Class 14.

552,349. Rod, Wire, and Flat Strip Formed of Nickel, Cobalt, and Iron Alloys. Wilbur B. Driver Company, Newark, N. J.
Filed June 5, 1951, Serial No. 614,760. Published Sept. 18, 1951. Class 14.

552,350. Game—Namely, a Jigsaw Puzzle, the Individual Cut-Out Pieces of Which Are Distributed to Members of a Movie-House Audience, Etc. Rosnov and Rosnov, Philadelphia, Pa.
Filed June 5, 1951, Serial No. 614,788. Published Oct. 2, 1951. Class 22.

552,351. Playing Cards. S. H. Kress and Company, New York, N. Y.
Filed June 9, 1951, Serial No. 614,992. Published Oct. 2, 1951. Class 22.

552,352. Iron and Steel Castings. Herbert A. Reece, Cleveland Heights, Ohio.
Filed June 22, 1951, Serial No. 615,573. Published Sept. 18, 1951. Class 14.

552,353. Nickel Welding Electrodes. The International Nickel Company, Inc., New York, N. Y.
Filed July 9, 1951, Serial No. 616,231. Published Sept. 18, 1951. Class 14.

Service Marks

552,354. Servicing Motor Vehicles—Namely, Lubricating, Washing, and Polishing, Undercoating, Repairing, Rebuilding and Reconditioning Comprising Painting and Body Repairs. W. O. Strausbaugh Motor Company, Youngstown, Ohio.
Filed July 21, 1947, Serial No. 529,107. Published Oct. 2, 1951. Class 103.

552,355. Consulting, Engineering, and Design Services—Namely, Directing the Redesigning, Rebuilding and Repairing of Cupolas for Melting Cast Iron; and Providing Recommendation in the Operation of Such Cupolas. Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y.
Filed Sept. 4, 1947, Serial No. 533,341. Published Sept. 25, 1951. Class 100.

552,356. Consulting Services on Art to Department Stores in the Styling of Hair and to Department Stores in the Fashion and Design of Women's Clothing and Accessories, Pictures, Perfumes, and Cosmetics. Louis Napolitan, doing business as M. Louis, New York, N. Y.
Filed June 10, 1948, Serial No. 558,910. Published Oct. 2, 1951. Class 100.

552,357. Imparting a Satin Finish to Fabrics. Newport Finishing Corporation, Providence, R. I., and Fall River, Mass.
Filed Jan. 30, 1950, Serial No. 591,694. Published Sept. 25, 1951. Class 106.

552,358. Chemically Impregnating Forest Products for Preservation and Fire Resistance. American Lumber & Treating Co., Chicago, Ill.
Filed Apr. 27, 1950, Serial No. 596,381. Published Oct. 2, 1951. Class 106.

552,359. Chemically Impregnating Forest Products for Preservation and Fire Resistance. American Lumber & Treating Co., Chicago, Ill.
Filed Apr. 27, 1950, Serial No. 596,382. Published Oct. 2, 1951. Class 106.

552,360. Catering of Food and Beverages. Gripsholm Restaurant Inc., New York, N. Y.
Filed July 20, 1950, Serial No. 600,957. Published Oct. 2, 1951. Class 100.

552,361. Service, Maintenance, and Repair of Internal Combustion Engines, Tractors, Scrapers, Etc. Caterpillar Tractor Co., Peoria, Ill.
Filed July 26, 1950, Serial No. 601,253. Published Sept. 25, 1951. Class 103.

552,362. Repairing of Metal Spraying Equipment and Metal Spraying Equipment Accessories. Metallizing Engineering Co. Inc., Long Island City, N. Y.
Filed Jan. 17, 1951, Serial No. 608,878. Published Sept. 25, 1951. Class 103.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

552,363. (Class 38. Prints and Publications.) Carlos R. Schoeppl, doing business as American Plan Service, Miami, Fla. Original filed, act of 1905, Jan. 28, 1946; amended to application under act of 1946, Supplemental Register, Apr. 23, 1950, Serial No. 495,556.

AMERICAN PLAN SERVICE

For Book of Architectural Plans Published From Time to Time.
Claims use since Oct. 10, 1945.

552,364. (Class 39. Clothing.) Leslie Fay Fashions, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 22, 1947; amended to application, Supplemental Register, May 24, 1951, Serial No. 538,627.



For Ladies', Misses', Junior Misses' and Teen Age Girls' Dresses.
Claims use since August 1944.

552,365. (Class 46. Foods and Ingredients of Foods.) Filice & Perrelli Canning Company, Inc., Richmond, Calif. Original filed, act of 1946, Principal Register, Nov. 10, 1947; amended to application, Supplemental Register, Feb. 27, 1951, Serial No. 540,657.

FRUITMIX

Applicant claims ownership of Registration No. 342,644.
For Canned Mixed Fruits.
Claims use since Dec. 4, 1935.

552,366. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Hillside Metal Ware Co., Hillside, N. J. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, Dec. 2, 1950, Serial No. 554,229.

HILLWARE

For Baking Pans.
Claims use since Jan. 10, 1948.

552,367. (Class 38. Prints and Publications.) Barron's Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 23, 1948; amended to application, Supplemental Register, Sept. 21, 1951, Serial No. 555,364.

Study of Price Movement • Market Laboratory

For Section of a Weekly Publication.
Claims use since Dec. 14, 1942.

552,368. (Class 46. Foods and Ingredients of Foods.) W. A. Davis Milling Company, High Point, N. C. Original filed, act of 1946, Principal Register, July 27, 1948; amended to application, Supplemental Register, Feb. 23, 1950, Serial No. 562,250.

DAVIS Quality-Tested FEEDS

Applicant claims ownership of Registration No. 333,205.
For Dairy, Poultry, Pig and Hog, Horse, Mule, and Goat Feeds, the Principal Ingredients of Which Are Corn Meal, Wheat Bran, Barley, Wheat, Oats, Soybean Meal, Alfalfa Meal, Cottonseed Meal, Linseed Meal, Molasses, and Minerals.
Claims use since Mar. 12, 1948.

552,369. (Class 46. Foods and Ingredients of Foods.) Illinois Packing Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 5, 1948; amended to application, Supplemental Register, Feb. 23, 1951, Serial No. 568,253.

ILLINOIS

The term "Co." is disclaimed.
For Beef and Lamb Carcasses for Food Purposes and Beef Liver.
Claims use since September 1947.

552,370. (Class 10. Fertilizers.) Heeman Manufacturing Co., Wooster, Ohio. Original filed, act of 1946, Principal Register, Feb. 10, 1949; amended to application, Supplemental Register, Feb. 9, 1951, Serial No. 573,659.

WOOSTER Lawn Bilder

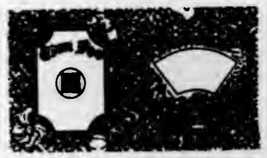
For Fertilizer.
Claims use since Jan. 3, 1949.

552,371. (Class 38. Prints and Publications.) New Holland Machine Company, New Holland, Pa. Original filed, act of 1946, Principal Register, Apr. 16, 1949; amended to application, Supplemental Register, Sept. 14, 1951, Serial No. 577,281.

NEW HOLLAND FARMER

For Magazine Issued Monthly.
Claims use since Mar. 24, 1949.

552,372. (Class 46. Foods and Ingredients of Foods.) Shanghai Syndicate, Inc., San Francisco, Calif. Original filed, act of 1946, Principal Register, Apr. 19, 1949; amended to application, Supplemental Register, May 19, 1950, Serial No. 577,401.



The words "Tien Foo" mean "Divine Blessing." The characters mean "Foo" in Chinese and "Blessing" in English.
For Tea.
Claims use since November 1948.

552,373. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Swedish Crucible Steel Company, Detroit, Mich. Original filed, act of 1946, Principal Register, June 10, 1949; amended to application, Supplemental Register, Aug. 17, 1950, Serial No. 580,265.

Tops for Bottoms

For Hinged Toilet Seats.
Claims use since July 12, 1948.

552,374. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) New York Merchandise Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 4, 1949; amended to application, Supplemental Register, Dec. 28, 1950, Serial No. 585,762.

SPEAR-POINT

For Thumb Tacks and Nails.
Claims use since Aug. 31, 1949.

552,373. (Class 32. Furniture and Upholstery.) Huntington Moulding & Art, Inc., Huntington Station, N. Y., and elsewhere in the United States. Original filed, act of 1946, Principal Register, Nov. 29, 1949; amended to application, Supplemental Register, Sept. 21, 1951, Serial No. 588,491.

SLIDE-A-FRAME

For Picture Frames.
Claims use since Sept. 13, 1949.

552,376. (Class 22. Games, Toys, and Sporting Goods.) St. Croix Corporation, Unity, Wis. Original filed, act of 1946, Principal Register, Dec. 13, 1949; amended to application, Supplemental Register, Mar. 23, 1951, Serial No. 589,279.

St. Croix

For Fishing Equipment—Namely, Rods, Ferrules, Reel Seats, Rod Tips, Line Guides, Landing Nets, Artificial Fish Lures, and Fisherman's Pliers.
Claims use since Sept. 21, 1948.

552,377. (Class 15. Oils and Greases.) Mutual Dealers Wholesale, Inc., St. Paul, Minn. Original filed, act of 1946, Principal Register, Jan. 3, 1950; amended to application, Supplemental Register, Mar. 24, 1951, Serial No. 590,279.

Superlube

The drawing is lined for the color blue.
For Lubricating Oils, and Greases.
Claims use since February 1933.

552,378. (Class 19. Vehicles.) Frederick Stockhausen, doing business under the name and style of U-Mak-It Products, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 27, 1950; amended to application, Supplemental Register, Jan. 13, 1951, Serial No. 591,393.

U-MAK-IT

For Knock-Down Parts for Rowboats, Kayaks, Runabouts, Dingeys, Cruisers, Sailboats and Outboard Boats.
Claims use since Dec. 23, 1949.

552,379. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Snap Tack Company, Vernon, Calif. Original filed, act of 1946, Principal Register, Feb. 11, 1950; amended to application, Supplemental Register, Dec. 4, 1950, Serial No. 592,345.

SNAP TACK

For Thumbtacks.
Claims use since June 1, 1949.

552,380. (Class 38. Prints and Publications.) Cattle Digest, Inc., Montgomery, Ala. Original filed, act of 1946, Principal Register, Mar. 15, 1950; amended to application, Supplemental Register, May 9, 1951, Serial No. 593,970.

The Cattle Digest

For Periodical Publication.
Claims use since June 1949.

552,381. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Fred J. Swaine Manufacturing Company, doing business as Swaine Co., St. Louis, Mo. Original filed, act of 1946, Principal Register, Apr. 5, 1950; amended to application, Supplemental Register, May 12, 1951, Serial No. 595,290.

TRA-FOIL

For Baking Pans of Metal Foil.
Claims use since Feb. 23, 1950.

552,382. (Class 10. Fertilizers.) Heeman Manufacturing Co., Wooster, Ohio. Original filed, act of 1946, Principal Register, Apr. 10, 1950; amended to application, Supplemental Register, May 10, 1951, Serial No. 599,056.

WOOSTER Plant Bilder

For Fertilizer.
Claims use since Mar. 9, 1950.

552,383. (Class 38. Prints and Publications.) The Sperry Corporation, New York and Great Neck, N. Y. Original filed, act of 1946, Principal Register, June 16, 1950; amended to application, Supplemental Register, July 12, 1951, Serial No. 599,274.

SPERRY Engineering Review

For Technical Periodical.
Claims use since January 1948.

552,384. (Class 52. Detergents and Soaps.) Arthur M. Brindel, doing business under the name Brindel Mfg., Muncie, Ind. Filed June 30, 1950, Serial No. 600,100.

PET CLEAN

For Cleanser for Pets Such as Dogs and Cats.
Claims use since Mar. 2, 1949.

552,385. (Class 32. Furniture and Upholstery.) Custom Upholstering and Carpet Company, Inc., Baltimore, Md. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Sept. 13, 1951, Serial No. 600,573.

Cradled in Steel

For Upholstered Sofas and Chairs.
Claims use since Oct. 1, 1949.

552,386. (Class 26. Measuring and Scientific Appliances.) George C. Schneider, Evanston, Ill. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Aug. 16, 1951, Serial No. 600,619.

DRESS—O—METER

For Bi-Metallic Type Thermometers Having Mounting Plates With Indicia for Indicating What Apparel Should Be Worn for Different Outside Temperatures.
Claims use since July 1948.

552,387. (Class 38. Prints and Publications.) The Benton Publishing Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, July 19, 1950; amended to application, Supplemental Register, July 16, 1951, Serial No. 600,909.

MACHINE DESIGN
ENGINEERING

Applicant claims ownership of Registrations Nos. 261,063 and 308,189.
For Publication Published Monthly or From Time to Time, the Subject Matter of Which Is Directed to Machines and Parts Thereof, and Design and Engineering of Same.
Claims use since July 7, 1950.

552,388. (Class 38. Prints and Publications.) Caldwell-Clements, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 4, 1950; amended to application, Supplemental Register, Sept. 19, 1951, Serial No. 601,710.

Television & Appliance Retailing

Applicant claims ownership of Registration No. 411,641.
For Periodicals Published From Time to Time and for Sections of Periodicals.
Claims use since July 27, 1950.

552,389. (Class 22. Games, Toys, and Sporting Goods.) International Molded Plastics, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Aug. 8, 1950; amended to application, Supplemental Register, Aug. 10, 1951, Serial No. 601,922.

SNAP BLOCKS

The word "Blocks" is disclaimed.
For Plastic Construction Toys of Various Shape and Size, and Adapted To Be Interchangeably Connected.
Claims use since Aug. 4, 1950.

552,390. (Class 38. Prints and Publications.) Ahrens Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 10, 1950; amended to application, Supplemental Register, July 28, 1951, Serial No. 602,244.

American Metal Wholesaler

For Periodical.
Claims use since July 25, 1950.

552,391. (Class 46. Foods and Ingredients of Foods.) Harold A. Sovern, doing business as Scrumshus and Scrumpshus, Cedar Rapids, Iowa. Original filed, act of 1946, Principal Register, Aug. 23, 1950; amended to application, Supplemental Register, Sept. 18, 1951, Serial No. 602,651.

SCRUMSHUS

For Ice Cream.
Claims use since Jan. 1, 1950.

552,392. (Class 38. Prints and Publications.) The American Institute of Architects, Washington, D. C. Original filed, act of 1946, Principal Register, Aug. 21, 1950; amended to application, Supplemental Register, Oct. 1, 1951, Serial No. 602,730.

ARCHITECTURAL ABSTRACTS

For Column in a Periodical.
Claims use since July 1950.

552,393. (Class 22. Games, Toys, and Sporting Goods.) Wright & McGill Co., Denver, Colo. Original filed, act of 1946, Principal Register, Sept. 29, 1950; amended to application, Supplemental Register, Sept. 17, 1951, Serial No. 604,244.

Water Seal

For Fishing Rods.
Claims use since May 1, 1950.

552,394. (Class 38. Prints and Publications.) Music Guild of America, Newark, N. J. Original filed, act of 1946, Principal Register, Oct. 20, 1950; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 605,223.

MUSIC GUILD

For Publication Embracing Matters of Interest to the Phonograph Record Distributing and Playing Business, Published Weekly.
Claims use since May 29, 1947.

552,395. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The Tappan Stove Company, Mansfield, Ohio. Original filed, act of 1946, Principal Register, Dec. 18, 1950; amended to application, Supplemental Register, Aug. 25, 1951, Serial No. 607,882.

THERMOGRID

For Griddles for Use on Cooking Ranges.
Claims use since May 1, 1950.

552,396. (Class 22. Games, Toys, and Sporting Goods.) Ideal Oak Leather Co., Inc., Morristown, Tenn. Original filed, act of 1946, Principal Register, Mar. 9, 1951; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 611,094.

"OK"

The drawing is lined for shading.
For Toy Pistol Holsters.
Claims use since Oct. 1, 1949.

Service Marks

552,397. (Class 104. Communication.) William G. H. Finch, New York, N. Y. Original filed, act of 1905, Dec. 6, 1945; amended to application under act of 1946, Principal Register, Mar. 12, 1948; amended to Supplemental Register, Aug. 15, 1951, Serial No. 492,768.

Air Express

For Facsimile Transmission Service for Transmission by Wire or Radio of Written or Printed Messages, Images, Sketches, Pictures, and Other Facsimiles.
Claims use since May 1939.

552,398. (Class 103. Construction and Repair.) Charles D. Verde, doing business as Hairspring Vibrating Co. and also doing business as Charles Thomas, Union City, N. J. Original filed, act of 1946, Principal Register, Oct. 19, 1949; amended to application, Supplemental Register, Aug. 29, 1951, Serial No. 586,572.



For Watch Repairing and Adjusting.
Claims use since February 1948.

Certification Marks

552,399. (Class 39. Clothing.) The Irish Linen Trade Mark Association, Limited, Belfast, Ireland. Original filed, act of 1946, Principal Register, Sept. 15, 1948; amended to application, Supplemental Register, Feb. 21, 1951, Serial No. 552,312.

IRISH LINEN

The drawing is lined for the colors green and blue. Applicant claims ownership of British Registrations Nos. 615,687 and 615,688, both dated July 23, 1941 and United States Registration No. 417,961.
For Handkerchiefs of Genuine Irish Linen.
Claims use since 1937 in Great Britain and Ireland, and since May 1939 in commerce between the United States and other countries.

552,400. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) The Irish Linen Trade Mark Association, Limited, Belfast, Ireland. Original filed, act of 1946, Principal Register, Dec. 2, 1947; amended to application, Supplemental Register, Dec. 28, 1949, Serial No. 552,313.

IRISH LINEN

The drawing is lined for green and blue. Applicant claims ownership of Registration No. 417,961 and British Registration No. 615,687, dated July 23, 1941.
For Linen Piece Goods; Tablecloths, Napkins and Towels Made of Linen Damask and Linen; Pillow Cases and Bed Sheets Made of Linen, All of Genuine Irish Linen Quality.
Claims use since 1937 in Great Britain and Ireland, and first used in commerce between the United States and other countries, and in commerce among the several States in May 1939.

TRADE-MARK REGISTRATIONS RENEWED

37,332. "GARLOCK" ETC. AND DRAWING. Registered Nov. 19, 1901. The Garlock Packing Co. Re-renewed Nov. 19, 1951, to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Rod and Joint Packing. Class 35.

83,717. REPUBLIC. Registered Oct. 10, 1911. Columbian Rope Company, Auburn, N. Y., a corporation of New York. Re-renewed Oct. 10, 1951. Manila and Sisal Rope. Class 7.

83,968. WORLD. Registered Oct. 24, 1911. Economic Machinery Company, Worcester, Mass. Re-renewed Oct. 24, 1951, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis., a corporation of Wisconsin. Labeling-Machines and Parts of Labeling-Machines. Class 23.

84,169. "CAMBRIDGE" ETC. AND SHIELD DESIGN. Registered Nov. 14, 1911. James R. Crompton & Brothers, Limited, London, near Bury, England. Re-renewed Nov. 14, 1951, to James R. Crompton & Brothers, Limited, London and Lancashire, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. India Paper. Class 37.

85,311. AGAWAM. Registered Feb. 13, 1912. American Writing Paper Company. Re-renewed Feb. 13, 1952, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware. Writing-Paper. Class 37.

85,373. ROOK. Registered Feb. 13, 1912. Parker Brothers, Portland, Maine, and Salem, Mass. Re-renewed Feb. 13, 1952, to Parker Brothers, Inc., Salem, Mass., a corporation of Maine. Card Games. Class 22.

86,062. SANI-FLUSH. Registered Apr. 9, 1912. The Hygienic Products Company, Canton, Ohio, a corporation of Ohio. Re-renewed Apr. 9, 1952. Cleaning-Powder. Class 52.

274,910. REPRESENTATION OF PIPE. Registered Sept. 9, 1930. P. D. Rasspe Söhne, Solingen-Stocken, Germany, a corporation organized under the laws of Germany. Renewed Sept. 9, 1950. Land-Cultivation Machinery and Implements—Namely, Ploughs, Cultivators, Etc. Class 23.

284,084. PULVITE. Registered June 16, 1931. Milwaukee Lubricants Co. Renewed June 16, 1951, to Marjorie H. Herziger, Milwaukee, Wis. Cleaning, Cleansing, and Detergent Materials—Namely, Soap Powders, Etc. Class 4.

285,116. "ARMOR FOOT" AND DRAWING. Registered July 14, 1931. Chas. Chipman's Sons Co., Inc. Renewed July 14, 1951, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Hosiery. Class 39.

286,791. MULTISORT. Registered Sept. 1, 1931. Multisort Company. Renewed Sept. 1, 1951, to Lynne B. Brooks, executrix of the estate of Arthur W. Brooks, doing business as Multisort Company, Boston, Mass. Apparatus for Use in Arranging Papers, Cards, and the Like for Filing or Distribution. Class 32.

287,010. "BURTON'S" ETC. AND DESIGN LINED FOR RED, WHITE, AND BLUE. Registered Sept. 8, 1931. Burton Brothers & Co. Inc., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1951. Cotton Piece Goods and Mixtures of Cotton and Silk Piece Goods. Class 42.

287,235. VICTOR SANISIL. Registered Sept. 15, 1931. International Silver Company. Renewed Sept. 15, 1951, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Silver-Plated Flat-Ware and Hollow-Ware for Table and Counter Use and the Like. Class 28.

287,367. H-B. Registered Sept. 22, 1931. The H. B. Co., Jersey City, N. J. Renewed Sept. 22, 1951, to William E. Briggs, doing business as H. B. Sales Co., Cambridge, Mass. Cough Drops. Class 18.

287,693. SILVO. Registered Oct. 6, 1931. The Miller Company, Meriden, Conn., a corporation of Connecticut. Renewed Oct. 6, 1951. Portable Floor and Table Lamps. Class 21.

287,740. ELGIN AMERICAN. Registered Oct. 6, 1931. Elgin American Manufacturing Co. Renewed Oct. 6, 1951, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Jewelry for Personal Adornment, Cigarette Cases, Vanity Cases, Card Cases, Etc. Class 28.

287,746. "PEGASUS" AND REPRESENTATION OF FLYING HORSE. Registered Oct. 6, 1931. Standard Oil Company of New York. Renewed Oct. 6, 1951, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Petroleum and Products of Petroleum With or Without Admixture of Other Materials, Etc. Class 15.

287,869. SENTINEL. Registered Oct. 13, 1931. The Colorado Fuel and Iron Company. Renewed Oct. 13, 1951, to The Colorado Fuel and Iron Corporation, Denver, Colo., a corporation of Colorado. Wire Fence. Class 13.

287,878. "REVOLUTION" AND DRAWING. Registered Oct. 13, 1931. Cone Export and Commission Company. Renewed Oct. 13, 1951, to Cone Export and Commission Co., Inc., New York, N. Y., a corporation of New York. Cotton Goods in the Piece—Namely, Brown and Bleached and Printed Flannels. Class 42.

288,055. "YARD BOY" ETC. Registered Oct. 20, 1931. The Malleable Steel Range Mfg. Co., South Bend, Ind. Renewed Oct. 20, 1951, to J. W. Fiske Iron Works, New York, N. Y., a corporation of New Jersey. Rubbish Incinerator. Class 34.

288,420. FUNGI-REX. Registered Oct. 27, 1931. United Drug Company, Boston, Mass. Renewed Oct. 27, 1951, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Medicinal Preparation Consisting of an Ointment for Treating Athlete's Foot. Class 18.

288,434. "SMOOTH-FREEZE" MEADOW GOLD. Registered Oct. 27, 1931. Beatrice Creamery Company. Renewed Oct. 27, 1951, to Beatrice Foods Co., Chicago, Ill., a corporation of Delaware. Ice Cream. Class 46.

288,538. REPRESENTATION OF THREE DRUMMERS. Registered Nov. 3, 1931. Wilson Brothers, Chicago, Ill., a corporation of Illinois. Renewed Nov. 3, 1951. Dress and Negligee Shirts, Pajamas, Men's Underwear, Hosiery, and Neckties. Class 39.

288,870. REPRESENTATION OF GREEK LETTERS (PHI MU DELTA). Registered Nov. 10, 1931. The Phi Mu Delta Fraternity, Brooklyn, N. Y. Renewed Nov. 10, 1951, to The Phi Mu Delta Fraternity, East Orange, N. J., a voluntary association. Fraternity Pins, Badges, and Buttons, All Made of or Plated With Precious Metal. Class 28.

288,886. FOLD-O-FLECTOR. Registered Nov. 10, 1931. The Miller Company, Meriden, Conn., a corporation of Connecticut. Renewed Nov. 10, 1951. Electric Lighting Fixtures and Lamps. Class 21.

288,909. AMERICAN. Registered Nov. 10, 1931. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Nov. 10, 1951. Crayons and Chalks. Class 37.

288,981. SPORTUROY. Registered Nov. 10, 1931. Howlett & Hockmeyer Co. Inc., New York, N. Y., a corporation of New York. Renewed Nov. 10, 1951. Textile Fabrics—Namely, Corduroys and Velveteens All in the Piece. Class 42.

289,085. "OLD FAITHFUL" ETC. AND DRAWING. Registered Nov. 17, 1931. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Nov. 17, 1951. Wax Crayons, Pressed Crayons, Pastel Crayons, Colored Chalk Crayons. Class 37.

289,086. TUNED PALETTE. Registered Nov. 17, 1931. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Nov. 17, 1951. Wax Crayons, Pressed Crayons, Pastel Crayons, Colored Chalk Crayons. Class 37.

289,145. SUNFLEX. Registered Nov. 17, 1931. Craftex Company, Boston, Mass. Renewed Nov. 17, 1951, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware. Paints in Powder, Paste, Semi-Liquid, or Ready Mixed Form. Class 16.

289,204. "ESTAB. 1895" AND REPRESENTATION OF FISH. Registered Nov. 24, 1931. Kelley-Clarke Company. Renewed Nov. 24, 1951, to Kelley-Clarke Company, Seattle, Wash., a partnership. Canned Fish. Class 46.

289,232. "FAST FINISH" AND DRAWING. Registered Nov. 24, 1931. The Best Brothers Keene's Cement Company, Medicine Lodge, Kans. Renewed Nov. 24, 1951, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware. Cement and Plaster. Class 12.

289,611. TUNED PALETTE. Registered Dec. 1, 1931. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Dec. 1, 1951. Tempera Colors and Water Colors. Class 16.

289,648. PIERRE. Registered Dec. 1, 1931. Pierre Roos. Renewed Dec. 1, 1951, to Margaret Baier, New York, N. Y. Hair Goods—Namely, Wigs, Transformations, Toupees, Braids, and Curls. Class 40.

289,680. SMOOZIE. Registered Dec. 1, 1931. Beatrice Creamery Company. Renewed Dec. 1, 1951, to Beatrice Foods Co., Chicago, Ill., a corporation of Delaware. Ice Cream Bar. Class 46.

289,915. "OLD FAITHFUL" ETC. AND DRAWING. Registered Dec. 15, 1931. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Dec. 15, 1951. Tempera Colors and Water Colors. Class 16.

290,080. SAVOIL. Registered Dec. 22, 1931. United Stove Company, Ypsilanti, Mich., a corporation of Michigan. Renewed Dec. 22, 1951. Oil Stoves, Ranges, Ovens, and Heaters. Class 34.

290,219. LYSETTA. Registered Dec. 22, 1931. Elizabeth Arden, Inc. Renewed Dec. 22, 1951, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Face Powder. Class 51.

290,329. "NUT SPINNERS" AND DESIGN. Registered Jan. 5, 1932. Snap-On Tools, Inc. Renewed Jan. 5, 1952, to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware. Wrenches, Wrench Sets, Wrench Sockets, Tool Handles, and Screw Drivers. Class 23.

290,354. "METRO CRAFT" AND DESIGN. Registered Jan. 5, 1932. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed Jan. 5, 1952. Boots and Shoes of Leather, Fabric, and Combinations Thereof. Class 39.

290,364. DESERT CHIEF. Registered Jan. 5, 1932. Yuma Mesa Fruit Growers Association, Yuma, Ariz., a corporation of Arizona. Renewed Jan. 5, 1952. Fresh Grapefruit. Class 46.

290,411. CHURCH. Registered Jan. 5, 1932. Church & Company Limited, Northampton, England, a British corporation. Renewed Jan. 5, 1952. Boots, Shoes, Gaiters, and Spats Made Wholly or in Part of Leather or Fabric. Class 39.

290,414. TREHEAL. Registered Jan. 5, 1932. Pioneer Paper Company, Los Angeles, Calif. Renewed Jan. 5, 1952, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. Bituminous Emulsions for Arboricultural Use. Class 12.

290,483. THERMOTROL. Registered Jan. 5, 1932. Sterling Engineering Company. Renewed Jan. 5, 1952, to Sterling, Inc., Milwaukee, Wis., a corporation of Wisconsin. Thermostatic Temperature Regulator. Class 26.

290,582. "BIG SPLASH" AND DRAWING. Registered Jan. 12, 1932. Puritan Knitting Mills, Inc., Philadelphia, Pa. Renewed Jan. 12, 1952, to The Puritan Sportswear Corp., Altoona, Pa., a corporation of Pennsylvania. Bathing Suits, Bathing Trunks, Bathing Shirts, Bathing Hats, and Bathing Capes. Class 39.

290,863. GAS-O-MATIC. Registered Jan. 19, 1932. Williams Oil-O-Matic Heating Corporation. Renewed Jan. 19, 1952, to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan. Automatically Electrically Controlled and Operated Fuel Heating Systems, Including the Electrically Operated Controls Therefor. Class 34.

290,958. TRUSEW. Registered Jan. 19, 1932. J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Renewed Jan. 19, 1952, to The Clark Thread Company, Inc., Clarkdale, Ga., a corporation of Delaware. Threads and Yarns. Class 43.

291,143. NORTHERN GOLD. Registered Jan. 26, 1932. Blue Earth Canning Company, Blue Earth, Minn. Renewed Jan. 26, 1952, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Corn. Class 46.

291,197. "OUR INTEGRITY IS IN THE CAN." Registered Feb. 2, 1932. Greco Canning Co., Inc. Renewed Feb. 2, 1952, to Mission Valley Canning Co., Inc., San Jose, Calif., a corporation of California. Canned Fruits, Canned Vegetables. Class 46.

291,394. "YOUTH SKIN" AND DRAWING. Registered Feb. 9, 1932. Isis Laboratories, Inc., Portland, Oreg., a corporation of Oregon. Renewed Feb. 9, 1952. Complexion Emulsions and Creams, Tissue or Skin Cleansing Preparations, and Astringents. Class 51.

291,449. FOR THE 4 AGES OF BEAUTY. Registered Feb. 9, 1932. Barbara Gould, Ltd. Renewed Feb. 9, 1952, to Barbara Gould, Inc., New York, N. Y., a corporation of New York. Cuticle Remover, Nail Polish, Nail Polish Remover, All Such Preparations Being Used for Manicuring; Face Powder, and Mascara. Class 51.

291,589. FERMALOID. Registered Feb. 23, 1932. C. J. Patterson Corporation, Kansas City, Mo. Renewed Feb. 23, 1952, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Flour Improver—Namely, a Prepared Chemical Compound Used in Connection With Yeast in the Production of Leavened Bread and Used for its Chemical Effect in the Fermentation Action Caused by the Yeast. Class 6.

291,644. "FLANNEL-TEX" WITHIN RECTANGLE. DESIGN. Registered Feb. 23, 1932. Cohen, Goldman & Co. Inc., New York, N. Y. Renewed Feb. 23, 1952, to House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa., a corporation of Pennsylvania. Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Etc. Class 39.

291,660. ALRECO. Registered Feb. 23, 1932. William Lind, doing business as William Lind Co., New York, N. Y. Renewed Feb. 23, 1952. Cotton Piece Goods. Class 42.

291,784. "HENRY BECKER & SON, INC. GRADE A" ETC. AND DRAWING LINED FOR RED. Registered Feb. 23, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Feb. 23, 1952. Milk and Cream. Class 46.

291,788. "HENRY BECKER & SON, INC. GRADE AA" ETC. AND DRAWING LINED FOR RED. Registered Feb. 23, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Feb. 23, 1952. Milk and Cream. Class 46.

291,811. ALEXANDRE SINCE 1878. Registered Feb. 23, 1932. Marshall Field & Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 23, 1952. Gloves Made of Leather and Fabric and of Combinations of the Same. Class 39.

291,827. "BECKER" AND DRAWING LINED FOR BLUE. Registered Feb. 23, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Feb. 23, 1952. Milk and Cream. Class 46.

291,828. "BECKER" AND DRAWING LINED FOR ORANGE. Registered Feb. 23, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Feb. 23, 1952. Milk and Cream. Class 46.

291,870. "BECKER" AND DRAWING LINED FOR YELLOW. Registered Feb. 23, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Feb. 23, 1952. Milk and Cream. Class 46.

291,871. "BECKER" AND DRAWING LINED FOR RED. Registered Feb. 23, 1932. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Feb. 23, 1952. Milk and Cream. Class 46.

291,872. NEPRO-LITE. Registered Feb. 23, 1932. Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York. Renewed Feb. 23, 1952. Cushion Material and Specifically Cork and Cork Composition Material in Disk, Sheet, or Block Form. Class 1.

291,904. REPRESENTATION OF ANCHOR LINED FOR BLUE. Registered Feb. 23, 1932. California Fruit Exchange, Sacramento, Calif., a corporation of California. Renewed Feb. 23, 1952. Fresh Apples, Apricots, Cherries, Peaches, Etc. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

273,546. TUMBLER LINED FOR RED. Registered Aug. 5, 1930. Joseph A. Tumbler, Baltimore, Md. Cleaner and Polish for Automobiles and Furniture. Class 4. Corrected as follows: In the certificate, line 1, for "J. A. Tumbler Laboratories" read *J. A. Tumbler Laboratories, Inc.*

547,696. DUBBLEWARE. Registered Sept. 11, 1951. M. Hoffman & Co. Inc., Boston, Mass. Overalls, Dungarees, Jumpers, Pants, Etc. Class 39. Corrected as follows: In the statement, first column, line 21, for "section 21(f)" read *section 2(f)*;

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

99,940. JAVA. Registered Sept. 29, 1914. Renewed Sept. 29, 1934. A. Bourjois & Co. Inc. Toilet Powders. Class 51 (formerly Class 6). New certificate under section 7(c) issued Dec. 18, 1951, to Bourjois, Inc., New York, N. Y., a corporation of New York.

374,706. TIDY HOUSE. Registered Jan. 23, 1940. Vernon B. Hunt, doing business as Tidy House Products Co. Liquid Silver Polish, Window Cleaner, Rug and Upholstery Shampoo, Etc. Class 4. New certificate under section 7(c) issued Dec. 18, 1951, to Tidy House, Inc., Shenandoah, Iowa, a corporation of Nebraska.

382,209. TIDY HOUSE. Registered Oct. 22, 1940. Vernon B. Hunt, doing business as Tidy House Products Co. Self-Polishing Wax for Painted or Varnished Surfaces, Furniture Polish Emulsion, Etc. Class 4 (formerly Class 16). New certificate under section 7(c) issued Dec. 18, 1951, to Tidy House, Inc., Shenandoah, Iowa, a corporation of Nebraska.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 379,552. Registered July 16, 1940. Browntown Silica Company, Browntown, Wis., a firm. Republished by registrant.



The word "Rock" is disclaimed apart from the mark as shown.

For Granular and Pulverized Silica Sand.

Claims use since 1928.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 338,613. Registered Sept. 8, 1936. Wehenn Abrasive Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Blast Sand" are disclaimed apart from the mark as shown.

For Blast Sand.

Claims use since Jan. 1, 1932.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 84,233. Registered Nov. 21, 1911. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ACHILLES

For Chemical Compound for Case-Hardening Iron and Steel.

Claims use since May 1910.

Reg. No. 84,234. Registered Nov. 21, 1911. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PEARLITE

For Chemical Compound for Case-Hardening Iron and Steel.

Claims use since May 1910.

Reg. No. 284,678. Registered July 7, 1931. Weed Destroyer Co., Inc., Aberdeen, Wash. Republished by Newville F. Rea, Sumner, Wash.

GETZUM

For Liquid Used for Destroying Weeds.

Claims use since about Feb. 28, 1929.

Reg. No. 284,773. Registered July 7, 1931. Weed Destroyer Co., Inc., Aberdeen, Wash. Republished by Newville F. Rea, Sumner, Wash.

GETZUM

The words "The Weed Destroyer" are disclaimed apart from the mark as shown.

For Liquid for Destroying Weeds.

Claims use since on or about Mar. 15, 1930.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 289,929. Registered Dec. 15, 1931. J. A. Sexauer Mfg. Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

HANDY ANDY

For Seat Cover and Door Stop Cushions, Screws, Nuts, Bolts, Bolt Heads, Cotter Pins, Ball-Cock Cups, Seat Caps, and Collars for Pipe Fittings and Plumbing Supplies; Fuller Caps, Stems, Nuts, and Eccentrics; and Metallic Washers.

Claims use since December 1923.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 290,181. Registered Dec. 22, 1931. Gunite Concrete and Construction Company, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

SANDROMETER

For Graduated Measuring Receptacle.

Claims use since June 17, 1931.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 118,246. Registered Aug. 21, 1917. Welding Engineer Publishing Co., Chicago, Ill. Republished by McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York.

The Welding Engineer

For Monthly Magazine.

Claims use since about Jan. 1, 1916.

Reg. No. 137,154. Registered Nov. 23, 1920. Class Journal Company, New York, N. Y. Republished by McGraw-Hill International Corporation, New York, N. Y., a corporation of New York.

El Automóvil Americano

For Periodical Issued Quarterly and at Shorter Periods Relating to Automotive Products.

Claims use since March 1917.

Reg. No. 147,636. Registered Oct. 25, 1921. McGraw-Hill Company, Inc., New York, N. Y. Republished by McGraw-Hill International Corporation, New York, N. Y., a corporation of New York.

INGENIERÍA INTERNACIONAL

For Periodical Publications.

Claims use since April 1919.

Reg. No. 177,372. Registered Dec. 18, 1923. The Bragdon, Lord & Nagle Co., New York, N. Y. Republished by McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York.

Textile World

For Weekly Publication.

Claims use since Jan. 1, 1921.

Reg. No. 275,824. Registered Sept. 30, 1930. McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

The AMUSEMENT News

For Magazine Published Weekly.

Claims use since May 26, 1930.

Reg. No. 399,035. Registered Dec. 8, 1942. McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

POWER

For Periodicals Published Monthly.

Claims use since 1882.

Reg. No. 405,939. Registered Feb. 29, 1944. McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

AMERICAN MACHINIST

For Magazines Published Periodically.

Claims use since the year 1877.

Reg. No. 408,353. Registered Aug. 8, 1944. McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

ENGINEERING AND MINING JOURNAL

For Magazines Published Periodically.

Claims use since the year 1866.

Reg. No. 410,043. Registered Nov. 7, 1944. McGraw-Hill Publishing Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

FACTORY

For Magazines Published Periodically.
Claims use since Aug. 9, 1907.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 284,991. Registered July 14, 1931. New England Fish Company, Seattle, Wash., a corporation of Maine. Republished by registrant.

VALUE

For Canned Salmon.
Claims use since Dec. 30, 1929.

Reg. No. 290,117. Registered Dec. 22, 1931. The Popsicle Corporation of the United States, New York, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.

REFRESHO

For Frozen Confectionery.
Claims use since on or about Mar. 11, 1930.

Reg. No. 328,792. Registered Oct. 8, 1935. Willmark Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

[redacted]

For Essential Oils, Flavoring Extracts, and Food Specialties Used by Bakers, Confectioners, and Ice Cream Manufacturers—Namely, Oils Used in Making Flavors and Extracts; Flavors and Extracts Used in Baking and Prepared Beverages; Fudge Icing; Prepared Flours for Making Cakes, and Prepared Flours for Making Fillings.
Claims use since August 1932.

Reg. No. 336,498. Registered July 7, 1936. Willmark Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

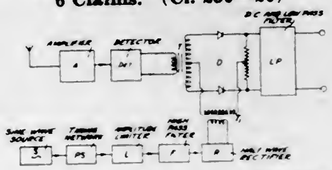
"It's Made Its Way By The Way It's Made."

For Essential Oils, Flavoring Extracts, and Food Specialties Used by Bakers, Confectioners, and Ice Cream Manufacturers—Namely, Oils Used in Making Flavors and Extracts; Flavors and Extracts Used in Baking and Prepared Beverages; Fudge Icings; Prepared Flours for Making Cakes, Fillings, Puddings; and Gelatine Desserts in Powder Form.
Claims use since November 1935.

REISSUES

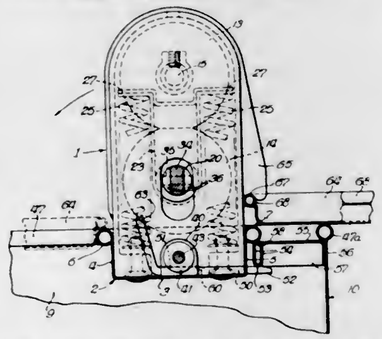
DECEMBER 18, 1951

23,440
INTERFERENCE REDUCING RADIO IMPULSE RECEIVER
Charles William Earp, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Original No. 2,471,418, dated May 31, 1949, Serial No. 457,786, September 9, 1942. Application for reissue February 11, 1950, Serial No. 143,806. In Great Britain January 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 17, 1961
6 Claims. (Cl. 250—20)



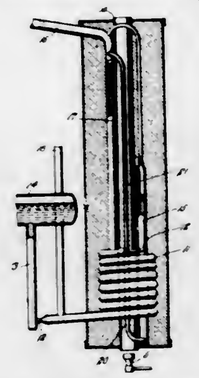
5. A system for deriving a substantially noise free signal from a noise distorted signal wave including a wave pattern of predetermined fundamental form, recurrent at a predetermined rate, the time position of said pattern conveying the signal intelligence, comprising a wave source providing a comparison wave having a component of substantially the same repetition rate and form as said wave pattern, means for adjusting the time position of said comparison wave and said wave pattern into time coincidence, balanced modulator means for differentially modulating said signal wave and said comparison wave, and filter means for selectively passing a component of the output of the balanced modulator means.

23,441
DISAPPEARING WRINGER WASHING MACHINE
George M. Gibson, Bellevue, Iowa, assignor to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Original No. 2,493,916, dated January 10, 1950, Serial No. 736,745, March 24, 1947. Application for reissue May 17, 1950, Serial No. 164,809
7 Claims. (Cl. 68—245)



1. The combination with a washing machine tub, of a wringer having a flat bottomed base extending between opposite walls of said tub, pivotal means connected with said walls and supporting the opposite ends of said wringer for movement about an axis to either dispose the wringer in stored relation within said tub or out of the top thereof in operative position, said flat bottomed base providing a closure for the portion of the tub supporting said wringer while in either of its two positions, and cover means coacting with said tub and said wringer to close the remaining portion of the washing machine tub.

23,442
ABSORPTION REFRIGERATION
Wilhelm Georg Kögel, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Original No. 2,538,010, dated January 16, 1951, Serial No. 568,269, December 15, 1944. Application for reissue October 20, 1951, Serial No. 252,229. In Sweden March 3, 1944
13 Claims. (Cl. 62—119.5)



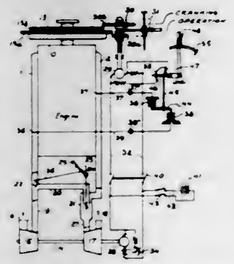
12. In an absorption refrigeration system of the inert gas type including a [vapor] refrigerant *vapor* supply line, an upright heating flue having a lower heat input end, a circuit for circulation of absorption solution including an absorber, *a liquid heat exchanger having a plurality of passages* and a vapor expulsion unit comprising a first upright conduit in the vicinity of said flue, a first connection *including one passage of said liquid heat exchanger* for conducting solution entirely by gravity flow from the outlet of said absorber to a region of said first conduit removed from the lower end thereof, a second upright conduit in thermal relation with said flue, a second connection *including another passage of said liquid heat exchanger* for conducting solution from said second conduit to the inlet of said absorber, said vapor supply line being connected to receive vapor from said second conduit, a lift pipe which is connected at its lower and upper ends to said first and second conduits, respectively, said first connection being so formed that said first conduit contains a liquid column whose liquid surface level is above the region solution is conducted thereto, and said lift pipe having a heat receiving and vapor form-

ing part in thermal relation with said flue along a zone extending between the liquid surface level in said first conduit and the heat input end of said flue to cause expulsion of vapor from solution in said pipe and raise liquid therein by vapor lift action under the influence of a reaction head formed by the liquid column in said first conduit, said liquid heat exchanger being in the form of a coil disposed about said heating flue and said first conduit.

23,443
METHOD OF PRODUCING ETHERS AND ESTERS OF CARBOHYDRATES
Jan Lolkema, Hoogezand, Netherlands; vested in the Attorney General of the United States
No Drawing. Original No. 2,459,108, dated January 11, 1949, Serial No. 380,562, February 25, 1941. Application for reissue October 14, 1949, Serial No. 121,443. In the Netherlands January 23, 1940
Section 3, Public Law 690, August 8, 1946
Patent expires January 23, 1960
9 Claims. (Cl. 260—233.3)

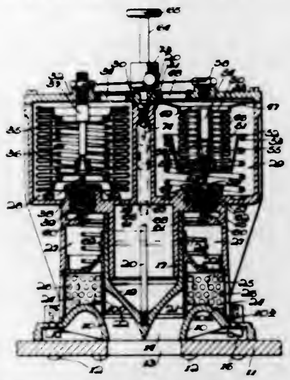
10. The process of manufacturing water soluble adhesive derivatives of polysaccharides, which in unreacted condition are soluble in water to form a paste which comprises mixing the polysaccharide with an alkaline solution and a reagent of the group consisting of etherifying organic esters of inorganic acids, etherifying epoxyalkanes and esterifying agents derived from organic acids, spreading the reaction mixture to form a thin layer and quickly heating the layer to at least 100° C., while evaporating the solution.

23,444
SUPERCHARGED INTERNAL-COMBUSTION ENGINE WITH STARTING MEANS AND METHOD FOR STARTING SAME
Frederick Nettel, Manhasset, N. Y.
Original No. 2,503,289, dated April 11, 1950, Serial No. 18,995, April 5, 1948. Application for reissue April 9, 1951, Serial No. 220,004
27 Claims. (Cl. 290—4)



21. In a method of starting and operating a power plant comprising an internal combustion engine having an exhaust gas turbine driven blower set for supplying combustion air to said engine, said set being mechanically independent of the engine shaft, motor-dynamo means mechanically coupled to said set, motor-dynamo means mechanically coupled to the engine shaft, disconnectable electric conduit means between said motor-dynamo means, a fuel burning combustion chamber disposed in the exhaust gas conduit to said turbine, and a regulatable branch conduit connecting the pressure side of said blower to said combustion chamber: those steps comprising operating the combustion chamber and the gas turbine driven blower set as an independent gas turbine plant prior to starting the engine, operating said second motor-dynamo means as motor for cranking and starting said engine and, thereafter, operating it as a generator driven by said engine, for supplying power to said first motor-dynamo means for assisting said gas turbine in driving said blower for supercharging of the engine.

23,445
AIRCRAFT CABIN PRESSURE REGULATING MEANS
Walter D. Teague, Jr., Alpine, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original No. 2,441,088, dated May 4, 1948, Serial No. 524,063, February 26, 1944. Application for reissue October 22, 1951, Serial No. 252,501
13 Claims. (Cl. 98—1.5)



1. A mechanism to control aircraft cabin pressure, comprising, in combination, a cylindrical gate valve, a second cylinder surrounding said gate valve, a nozzle mounted at one end of said second cylinder, said second cylinder having openings to the cabin at the [circumferental] *circumferential* edge of the nozzle, said nozzle having an area normal to the airstream progressively decreasing from said circumferential edge so as to smoothly accelerate the air flow from said cabin, and said nozzle arranged as a valve seat for cooperating with one end of said cylindrical gate valve, said one end of said gate valve being formed with a substantially knife-like edge for contacting said nozzle, said valve including an air motor piston formed a part of said valve, said piston projecting laterally from said valve member and slidably mounted in the second cylinder, and air power means for operatively adjusting said piston so as to regulate said valve.

PLANT PATENTS

GRANTED DECEMBER 18, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,053
APRICOT TREE
David A. Moore, Grand Junction, Colo., assignor to Inter-State Nurseries, Hamburg, Iowa, a partnership
Application September 29, 1947, Serial No. 776,655
1 Claim. (Cl. 47—62)

A new and distinct variety of apricot tree, characterized as to novelty by its vigor of growth; long blooming period with continuous and consistently prolific bearing year after year; large size fruit having sweet flavor even when picked green and allowed to ripen; high sugar content; substantially rectangular shape of the fruit; general high quality of the fruit and good keeping and shipping characteristics, substantially as shown and described.

1,054
ROSE PLANT
Paul Shamburger, Tyler, Tex.
Application September 18, 1950, Serial No. 185,421
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid polyantha class, characterized as to novelty by its general similarity to its parent "Floradora" (unpatented), but distinguished therefrom by its strong and vigorous climbing habit of growth, substantially as shown and described.

1,055
POINSETTIA PLANT
Paul Ecke, Encinitas, Calif.
Application May 25, 1950, Serial No. 164,129
1 Claim. (Cl. 47—60)

A new and distinct variety of poinsettia plant substantially as illustrated and described, characterized by cardinal red subcoriaceous bracts which are ovate-acuminate, the bracts having petioles sufficiently long to provide an open spaced center of the bract involucre and whereby the contours of the bracts are individually in planar profile around the inflorescence, the foliage leaves being also subcoriaceous and deeply pinnatifid and tenaciously adhering to the peduncle, the several foliage leaves most nearly adjacent the bracts being variegated with shades of rose to green.

PATENTS

GRANTED DECEMBER 18, 1951

2,578,651

1,1,DIPHENYL-3(N-PIPERIDYL)PROPANE SALTS OF PENICILLIN

Frank H. Buckwalter, Dewitt, N. Y., assignor to Bristol Laboratories, Inc., Syracuse, N. Y., a corporation of New York

No Drawing. Application October 19, 1948, Serial No. 55,439

4 Claims. (Cl. 260—239.1)

1. A crystalline salt of penicillin and 1,1,diphenyl-3(N-piperidyl) propane.

2,578,652

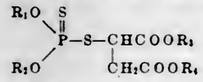
ADDITION PRODUCT OF DIESTER OF DITHIOPHOSPHORIC ACID AND MALEIC ACID AND ITS ESTERS, AND METHOD OF PREPARATION

Jack T. Cassaday, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 2, 1950, Serial No. 147,325

10 Claims. (Cl. 260—461)

1. Phosphate esters of the general formula



in which R_1 and R_2 are chosen from the group consisting of aliphatic hydrocarbon and aromatic hydrocarbon radicals, and R_3 and R_4 are chosen from the group consisting of hydrogen, aliphatic hydrocarbon and aromatic hydrocarbon radicals.

2,578,653

METHOD FOR STABILIZING POLYDIENE POLYMER REACTED WITH SULFUR DIOXIDE AND RESULTING PRODUCTS

Johan Michael Goppel, Gottfried Ernst Rumscheidt, and Johannes Thomas Hackmann, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 26, 1949, Serial No. 89,803. In the Netherlands May 18, 1948

15 Claims. (Cl. 260—769)

1. The method of increasing the resistance to deterioration of a product formed on the reaction of natural rubber with sulfur dioxide, said method comprising impregnating said product with a solution containing from 0.1 to 20% ammonium thiocyanate.

2,578,654

PREPARATION OF TERTIARY-ALKYL-SUBSTITUTED BENZENE CARBOXYLIC ACIDS

George W. Hearne, Lafayette, Theodore W. Evans, Oakland, and Vernon W. Buls, Walnut Creek, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 28, 1950, Serial No. 141,166

7 Claims. (Cl. 260—524)

1. The process for the production of a tertiary-alkyl benzoic acid wherein the tertiary-alkyl group is the only substituent which comprises bringing a stream of molecular oxygen-containing gas and the corresponding tertiary-alkyl toluene wherein the tertiary-alkyl group is the only substituent in liquid phase into intimate contact at a temperature within the range of from 130° C. to about 225° C. under pressure up to about 1000 pounds per square inch in the presence of from about 0.005% to about 5% by weight of a soluble salt of a heavy metal as oxidation catalyst, and recovering said tertiary-alkyl benzoic acid when not over about 70% of the tertiary-alkyl toluene initially in the reaction mixture has been consumed.

2,578,655

PHOTOGRAPHIC SILVER HALIDE EMULSIONS CONTAINING 4-HYDROXY QUINOLINES

John David Kendall and Douglas James Fry, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company

No Drawing. Application May 5, 1949, Serial No. 91,639. In Great Britain May 8, 1948

7 Claims. (Cl. 95—7)

3. A photographic silver chlorobromide emulsion which yields images of brown-black tone on normal photographic development which includes a compound selected from the class consisting of 4-hydroxy quinoline, 4-hydroxy quinolines containing a single nuclear alkyl substituent and 4-hydroxy quinolines containing in the 3-position acyl, carboxy and carbalkoxy groups, the proportion of the said compound being equivalent to 0.2 to 25 cc. of a 1% solution of the compound per pound of emulsion.

2,578,656

TETRACHLOROADIPIC ACID

Alfred Jerome Kolka, Birmingham, and Harold David Orloff, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 31, 1950, Serial No. 182,629

1 Claim. (Cl. 260—537)

As a new composition of matter $\alpha,\beta,\gamma,\delta$-tetrachloroadipic acid possessing a melting point above about 262° C. and possessing a stable crystalline physical form.

2,578,657

PROCESS FOR PRODUCING SULFONIC ACIDS AND SULFONATES

Henry W. Anderson, Martinez, Otto A. Samson, Concord, and Augustus W. Clark, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 21, 1948, Serial No. 45,588

5 Claims. (Cl. 260—504)

1. A process for the production of an oil solution of oil-soluble petroleum sulfonic acids dissolved in a highly refined lubricating oil fraction, which process comprises intimately contacting a mineral lubricating oil raffinate fraction of naphthenic character, having a viscosity at 100° F. of at least about 400 SSU, a viscosity index of from about 30 to 60, a flash point of at least about 380° F., and having been obtained as raffinate fraction from a selective solvent extraction of a naphthenic mineral lubricating oil distillate fraction, with 20% to 50% by weight, based on the oil charge, of 105.5% fuming sulfuric acid, at a temperature between about 75° F. and 150° F. for a period of about 10 minutes, thereafter immediately and before the separation of a sludge phase, intimately mixing the resulting reaction mixture with from about 25% to about 80% by weight of water, based on the acid used, selected to yield a separated acid sludge phase with an acidity of from about 50% to about 70%, permitting the resulting admixture to stratify whereby only two layers are formed, an oil layer containing dissolved oil-soluble petroleum sulfonic acids and an acid sludge layer, and separating the layers.

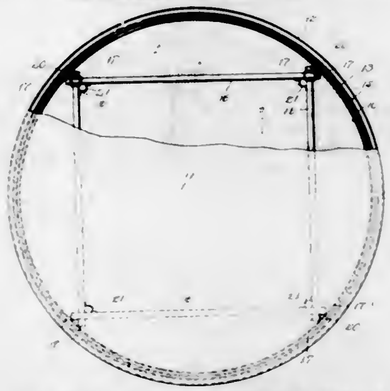
2,578,658

STABILIZING MEANS FOR LIFTER ROOF TANKS

Christian Arne, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application March 2, 1950, Serial No. 147,263

12 Claims. (Cl. 48—176)



1. In a lifter roof tank having a shell and a roof thereover adapted to rise and fall with increasing and decreasing gas pressure within the shell, a stabilizing means comprising a plurality of substantially horizontal floating shafts arranged around the interior of the shell, first flexible members attached at their ends respectively to upper and lower portions of the shell, the intermediate portion of each first member being wrapped in one direction about a shaft, second flexible members attached at their ends respectively to upper and lower portions of the roof, the intermediate portion of each second member being wrapped in an opposite direction about a shaft, said flexible members being taut whereby rise and fall of the roof feeds said members about the shafts while rotating the shafts to maintain the roof level.

2,578,659

LOCKING THREAD SUPPLY CASE FOR SEWING MACHINES

Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application April 27, 1949, Serial No. 89,976

2 Claims. (Cl. 112—231)

1. A lockstitch sewing machine having a hook needle, a rotary loop taker having a circular opening and a raceway inside the opening, a discoidal thread case having substantially flat end and curved side surfaces and a circular flange about the side surface rotatable within the raceway in the loop taker, the end and curved side surfaces extending inside the opening of the loop taker beyond the raceway, and a radially projecting thread guiding shoulder on the curved side surface of the thread case inside the loop taker beyond the flange of the thread



case having a base inclined from the flange to said end surface in the direction of thread case rotation for causing the needle loop to begin moving across the end surface of the thread case invariably at a predetermined rotary position of the loop taker, in combination with a straight ledge extending along said thread case side surface from the base of the thread guiding shoulder to enable uniform movement of the needle loop under tension about the thread case while the loop engages the base of the shoulder.

2,578,660

PROCESS FOR POLYMERIZING ETHYLENE GLYCOL TEREPHTHALATE

Lawrence Arthur Auspos, Tonawanda, N. Y., and Jane Bowen Dempster, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 21, 1949, Serial No. 117,077

2 Claims. (Cl. 260—75)

1. A process for the manufacture of polymeric ethylene glycol teraphthalate, which comprises polymerizing monomeric ethylene glycol terephthalate in the presence of a catalyst taken from the class consisting of germanium and germanium oxide.

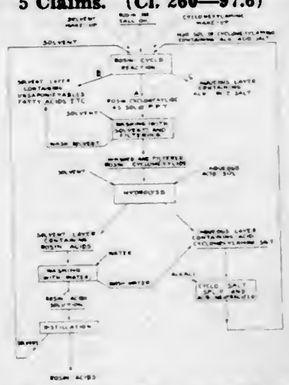
2,578,661

CYCLIC REUSE OF CYCLOHEXYLAMINE IN ROSIN ACIDS SEPARATION

Vigen K. Babayan, West Englewood, N. J., assignor, by mesne assignments, to The Fulwal Chemical Corporation, New York, N. Y., a corporation of Delaware

Application September 1, 1949, Serial No. 113,540

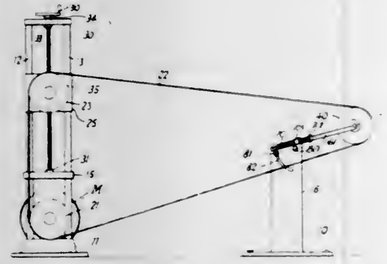
5 Claims. (Cl. 260—97.6)



1. A cyclic process for re-using cyclohexylamine for the separation of rosin acids from

mixed materials containing rosin acids, which process comprises reacting the cyclohexylamine with a solution of such mixed materials, hydrolyzing the rosin cyclohexylide formed by said reaction by treating the cyclohexylide with a hydrolyzing acid in aqueous solution, separating the resulting rosin acids from the resulting aqueous solution of the cyclohexylamine-acid salt, adding alkali to said solution to form an aqueous solution of the neutral salt of the hydrolyzing acid and of the liberated cyclohexylamine, and mixing said last aqueous solution with a solution of mixed materials containing rosin acids to thereby re-use the cyclohexylamine for separation of rosin acids.

2,578,662
BELT GRINDING AND POLISHING MACHINE
Stephen Bader, Rockville Centre, N. Y.
Application July 28, 1948, Serial No. 41,083
9 Claims. (Cl. 51—148)



7. A polishing and grinding machine comprising a pair of rollers, means rotatably mounting said rollers with the axis of one roller spaced from the axis of the other roller, means for driving one of said rollers, a contact roller having a relatively soft, cushioned outside surface, means rotatably mounting said contact roller with its axis spaced from the axes of said other rollers, said mounting means for said contact roller including means for rotating said contact roller about an axis substantially perpendicular to a plane passing through said axis of said contact roller and intermediate said axis of said contact roller and a plane passing through said axes of said pair of rollers, and an endless abrasive belt mounted on all three of said rollers.

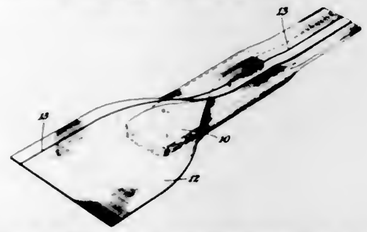
2,578,663
FISHING ROD
Arthur Beaupre, Franklin Park, Ill.
Application June 23, 1945, Serial No. 601,266
1 Claim. (Cl. 43—18)

A fishing rod comprising a tubular handle section, a plurality of tubes of progressively decreasing external diameter, telescopically related to each other and to the handle section, a circular clamp for securing the handle section to the tube of largest diameter, and circular clamps for securing each tube except the smallest diameter tube to the nearest smaller diameter tube, said handle section being threaded at the ends thereof, said threaded ends having corresponding external diameters and being slitted, and the first clamp having an internal diameter corresponding to the external diameter of the ends of the



handle section, whereby said handle section may be reversed in position.

2,578,664
SANITARY NAPKIN
Donald W. Beery, New Brunswick, James J. Eberl, Bound Brook, and Alvin R. Ingram, New Brunswick, N. J., assignors to Johnson & Johnson, a corporation of New Jersey
Application May 8, 1947, Serial No. 746,644
2 Claims. (Cl. 154—116)

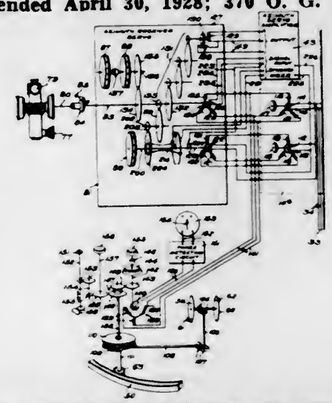


1. In a method of manufacturing a sanitary napkin having a cellulosic pad and a gauze wrapper with lapped edges; the improvement which comprises the steps of placing a heated filament which is tacky at elevated temperatures and substantially non-tacky at ordinary temperatures at the locus of the said lapped edges and on top of the first layer of gauze of the lapped edges so that it extends longitudinally along the pad in a linear path, and pressing said heated filament against the surface of the gauze wrapper.

2,578,665
COATED PLASTIC PRODUCTS
Johan Bjorksten and Stuart O. Fiedler, Chicago, Ill., and Luther L. Yaeger, Hammond, Ind., assignors to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
No Drawing. Application February 21, 1947, Serial No. 730,192
12 Claims. (Cl. 260—17)

1. An article of manufacture comprising a polystyrene surface, having integrally bonded thereto a coating comprising a substance selected from the group consisting of polyethyl acrylate, polyethyl methacrylate, and polymethyl methacrylate, said coating being deposited from a composition containing from 1 to 35% of a solvent selected from the group consisting of aliphatic ketones and esters, toluene and nitro aliphatic substances other than nitro methane, having a boiling range below 120° C.; from 2 to 45% of a solvent selected from the group consisting of nitromethane, aliphatic alcohols and lactates having one to five carbon atoms; and from 14 to 50% of a solvent selected from the group consisting of diacetone alcohol, glycol ethers and esters.

2,578,666
GUN CONTROL APPARATUS
Joseph L. Borden, Jr., Philadelphia, Pa.
Application January 31, 1946, Serial No. 644,648
23 Claims. (Cl. 89—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

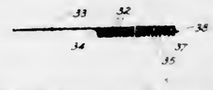


2. In a gun aiming system, a gun mounted for training about a first normally vertical axis, manually operable means connected to so train said gun, a sighting device carried by said gun for training therewith, said sight having an objective rotatable relatively to the gun through substantially 360° of angular movement about a second axis parallel to said first axis, to angularly move the line of sight thereof relatively to said gun, a remote director having an output proportional to the angular movement of a remote target, and electric power means rotating said objective by and in response to said director output.

17. In a system for training a gun mounted for elevation on a trainable carriage, and having manually-controlled training means including a rotatable shaft, a repeater having a rotor and field coils adapted for connection to repeat the field rotations of a transmitter at a remote director, a differential having one side connected to said shaft and a second side connected to drive said rotor, a milliammeter connected to be responsive to departure from a predetermined relation of the resultant field of the field coils and rotor of said repeater, and manually-adjustable means connected to operate the third side of said differential.

2,578,667
ELECTRODE FOR ELECTROLYTIC CONDENSERS
Joseph B. Brennan, Bratenahl, Ohio, assignor to Everett D. McCurdy, trustee
Application September 25, 1946, Serial No. 699,108
2 Claims. (Cl. 175—315)

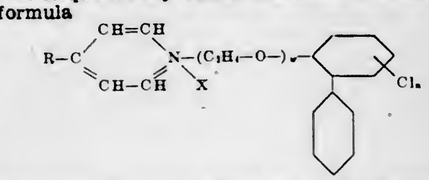
1. An electrode and separator assembly for electrolytic devices comprising a strip of porous non-conductive material constituting a separator, a layer of unwoven parallel strands extending along one side of said strip parallel thereto and a porous conductive layer of finely divided cohering metallic particles adhering to said strands and strip and bonding said strands to each other and to said strip, said porous conductive layer constituting one electrode, and another layer of unwoven parallel strands extending along the opposite side of said strip parallel thereto and



another porous conductive layer of finely divided cohering metallic particles adhering to the strands of said other layer and to said opposite side of said strip and bonding the strands of said other layer to each other and to said strip, said other porous conductive layer constituting another electrode separated from said first electrode by said separator which serves as a barrier to prevent the metallic particles on one side thereof coming in contact with the metallic particles on the other side thereof, and separate terminal means for each of said electrodes.

2,578,668
QUATERNARY PYRIDINIUM HALIDES
Edgar C. Britton, Midland, Mich., and John N. Hansen, Albert Lea, Minn., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 21, 1949, Serial No. 122,846
4 Claims. (Cl. 260—297)

1. A quaternary amine compound having the formula

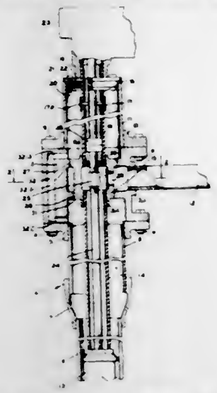


wherein R is selected from the group consisting of hydrogen and the methyl radical, X is a halogen of the group consisting of chlorine and bromine, w is an integer from 1 to 2, inclusive, and n is an integer from 1 to 3, inclusive.

2,578,669
PITLESS PUMPER
James E. Butterfield, Sr., James E. Butterfield, Jr., and Harold A. Johnsen, Excelsior, Minn.
Application November 7, 1949, Serial No. 125,938
5 Claims. (Cl. 103—219)

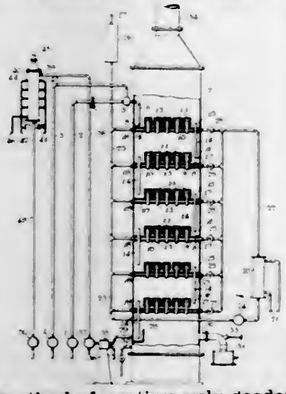
1. In a pitless pumper a pump head adapted to be connected at its lower end to a well casing and adapted to be connected at its upper end to a conduit extending from the pump head to a point above ground level, said pump head having a lateral outlet adapted to be connected to a discharge pipe, said head having upper and lower internal vertically spaced downwardly tapering circular seats, the upper seat being located above said lateral outlet and the lower seat being located below said lateral outlet and the greatest diameter of the lower seat being less than the least diameter of the upper seat, a discharge head adapted to be connected at its upper end to a differential cylinder and adapted to be connected at its lower end

to a drop pipe and through which a pump rod may be extended, said discharge head having an upper external downwardly tapering seating portion adapted to be engaged with said upper seat and having in downwardly spaced relation from said upper seating portion a downwardly tapering external lower seating portion adapted to be



engaged with said lower seat simultaneously with the seating of the upper seating portion in said upper seat, said discharge head below said upper seating portion being of no greater external diameter at any point than the smallest internal diameter of said upper seat, and said discharge head having between its upper seating portion and its lower seating portion a lateral discharge port for communication with said pump head.

2,578,670
METHOD OF DEODORIZING AND STABILIZING SOYBEAN OIL
Robert A. Carleton, Mamaroneck, N. Y.
Application August 12, 1946, Serial No. 689,926
4 Claims. (Cl. 260—406)



1. The method of continuously deodorizing and stabilizing soya bean oil having an objectionable taste and odor, and an iodine value of 120–140, which comprises passing a continuously flowing stream of the oil intimately mixed with about 10% to 40% by weight of water and in the presence of a hydroxylating catalyst, at a determinate selective hydroxylating reaction temperature within the range of about 100° F. to 225° F. against a counter-current stream of air to reduce said iodine value by hydroxylation to about 100–120 and to effect substantial elimination of said objectionable taste and odor from the oil, deaerating and drying said oil by heating quickly at a reduced pressure and in the presence of water vapor to a temperature between about 250° F. to 400° F., then quickly cooling said oil, said oil being characterized by the substantial absence of peroxide and carbonyl groups and a relatively high resistance to development of oxidative rancidity.

2,578,671
VEHICLE
Gaston Chausson, Asnieres, France, assignor to Societe Anonyme des Usines Chausson, Asnieres, France, a company of France
Application December 1, 1945, Serial No. 632,260
In France January 24, 1945
5 Claims. (Cl. 105—397)



1. A frame structure for a vehicle body comprising a plurality of spaced, substantially vertically directed frames each including a bottom beam, a lateral upright wall post extending from said beam at each end thereof, and a roof member supported by said upright posts, longitudinal reinforcing ribs rigidly connecting adjacent upright posts, respectively, and terminating each in a substantially flat extension projecting outwardly and beyond said posts, longitudinal metal panel sections located between said ribs and terminating each in marginal outwardly bent flanges, each two adjacent flanges being arranged to be flush on either side of each rib extension, each rib extension being secured to the respective two flanges to thereby form a unitary member, and elastic gripping means extending over each unitary member and in engagement with said bent flanges to cover the same and its rib extension.

2,578,672
PICOLINIC ACID RECOVERY
Ben Bennett Corson and Gordon S. Black, Pittsburgh, Pa., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 23, 1945, Serial No. 630,542
17 Claims. (Cl. 202—42)

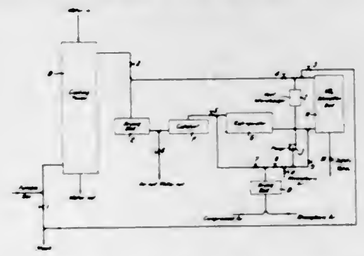
1. In a process for recovering water-soluble pyridine carboxylic acid from an aqueous solution containing water-soluble inorganic contaminants, the steps of setting said solution at the isoelectric point, distilling off the water, simultaneously extracting said solution with a solvent for pyridine carboxylic acid which is substantially nonsolvent for said inorganic contaminants and has a boiling point above that at which water is distilled, separating the solution thus obtained from the inorganic contaminants, and recovering pyridine carboxylic acid from the solvent.

2,578,673
APPARATUS FOR PUMPING AND STERILIZING LIQUIDS
Walton W. Cushman, Webb City, Mo.
Application April 26, 1948, Serial No. 23,187
6 Claims. (Cl. 21—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tubular casing constituting a portion of a conduit for conveying liquid, a conductor coil about said casing and connected to a source of high frequency current, an elongated vibrator resiliently mounted at a nodal point and concentric with said tubular casing so as to be freely vibratable through its unsupported length, said vibrator having curved enlargements thereof so constructed as to exert a pumping action on liquid flowing in said casing.

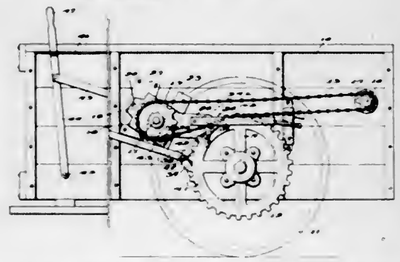
2,578,674
NITRIC OXIDE RECOVERY SYSTEM
Farrington Daniels, Madison, Wis., William G. Hendrickson, San Jose, Calif., and Elton Gordon Foster, Wilmington, Del., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
Application March 28, 1949, Serial No. 83,866
18 Claims. (Cl. 23—161)



10. Process of recovering as nitrogen dioxide, in relatively concentrated form, the fixed nitrogen content of a gas mixture comprising nitrogen, oxygen, water vapor and a small amount of fixed nitrogen essentially in the form of nitric oxide which comprises selectively removing the water vapor from the gas mixture while the fixed nitrogen content of the latter is still essentially in the form of nitric oxide by passing the gas mixture through a mass of solid adsorbent particles at such speed that nitric oxide is not materially oxidized, catalytically oxidizing the nitric oxide content of the dry gas mixture to nitrogen dioxide by passing through a mass of solid adsorbent particles carrying thereon adsorbed nitrogen dioxide, adsorbing the nitrogen dioxide content of the gas mixture by passing through a mass of solid adsorbent particles whereby to separate the nitrogen dioxide content from the residual gas, and thereafter desorbing and recovering the nitrogen dioxide from the adsorbent by forcing therethrough a current of gas comprising nitrogen dioxide maintained at desorption temperature.

17. Process of recovering as nitrogen dioxide, in relatively concentrated form, the fixed nitrogen content of a gas mixture comprising nitrogen, oxygen, water vapor and a small amount of fixed nitrogen essentially in the form of nitric oxide which comprises selectively removing the water vapor from the gas mixture while the fixed nitrogen content of the latter is still essentially in the form of nitric oxide by passing the gas mixture through a mass of solid adsorbent particles at such speed that nitric oxide is not materally oxidized, catalytically oxidizing the nitric oxide content of the dry gas mixture to nitrogen dioxide by passing through a mass of solid adsorbent particles carrying thereon adsorbed nitrogen dioxide, adsorbing the nitrogen dioxide content of the gas mixture by passing through a mass of solid adsorbent particles whereby to separate the nitrogen dioxide content from the residual gas, and thereafter desorbing and recovering the nitrogen dioxide from the adsorbent by forcing therethrough a current of gas comprising nitrogen dioxide maintained at desorption temperature, the solid adsorbent employed in the steps of drying, adsorption and desorption being in fluent form and being in motion during the period of contact with the gas.

2,578,675
MANURE-SPREADER CLUTCH
Sam Daniels, Hardwick, Vt.; Elwyn J. Daniels administrator of said Sam Daniels, deceased
Application March 2, 1949, Serial No. 79,196
18 Claims. (Cl. 74—221)

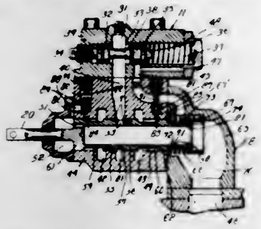


1. In a manure-spreader or the like, and in combination, a chain trained about two sprockets, the first of said sprockets being rotatable on a fixed axis and the second being rotatable on an axis swingable towards and from the first, a chain-driving sprocket positioned for engaging a run of said chain between said first-mentioned sprockets, a chain lifter associated with said chain run and comprising a toggle having one of its ends pivoted on said swinging axis and the other of its ends crankwise mounted and having its knee raising and lowering therebetween, and an operating toggle means for lifting and lowering the knee of said first-named toggle, said operating toggle means holding said knee raised when on one side of its dead-center position, to hold said chain out of engagement with said chain-driving sprocket, and lowering said knee when on the other side of its dead-center position to lower said chain into engagement with said chain-driving sprocket.

2,578,676
APPARATUS FOR HYDRAULIC MOTOR CONTROL
Maxwell O. Dean, Morgantown, W. Va., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application April 9, 1947, Serial No. 740,371
13 Claims. (Cl. 60—53)

9. In combination, a vehicle having a hydraulic propulsion motor, a source of hydraulic fluid, a

pump, conduit means, valve means for controlling the flow of fluid through said conduit means from said pump to said motor and its return from said motor to said source to effect vehicle propulsion and movable to interrupt both of such flows to stop vehicle propulsion, and means for conduct-



ing fluid displaced by said motor as said vehicle comes to a stop, to said source, including a relief passage, and means including the valve means to prevent connection of the pump discharge with the relief passage during vehicle propulsion by said motor.

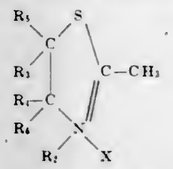
2,578,677

METHOD OF MAKING PHOTOGRAPHIC SENSITIZING DYES

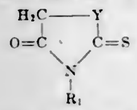
John H. Dessauer, Pittsford, and Michael A. Insalaco, Rochester, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York

No Drawing. Application January 20, 1951, Serial No. 207,058
2 Claims. (Cl. 260—240.4)

1. The process of making an asymmetric photosensitizing dye which consists of mixing a base selected from the group consisting of aliphatic amines and saturated heterocyclic amines with a quaternary salt of the general formula:



wherein R_2 is lower alkyl, R_3, R_4, R_5, and R_6 are the same or different members selected from the group consisting of hydrogen and lower alkyl and X is an acid radical, and with a five-membered heterocyclic compound of the formula:



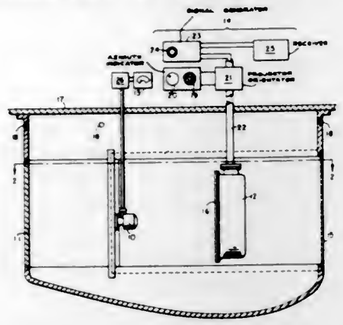
wherein R_1 is a member of the group consisting of alkyl and lower aryl and Y is selected from the group consisting of =O and =NH and thus is the quantity to complete a 2-thio hydantoin or 2-thio-4-keto tetrahydro oxazole nucleus, and reacting said ingredients in an anhydrous neutral solvent, the molecular parts of the quaternary salt being substantially in excess of the molecular parts of the five-membered heterocyclic compound and said excess quaternary salt producing a decomposition product which links the thiazoline radical resulting from another molecular part of the quaternary salt with the five-membered heterocyclic nucleus, said decomposition product constituting the linking agent.

2,578,678

UNDERWATER SOUND SYSTEM

Oscar E. Dudley, United States Navy

Application January 5, 1946, Serial No. 639,402
1 Claim. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



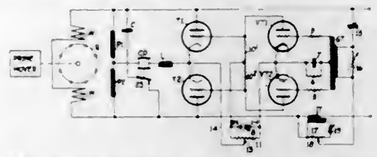
In an underwater ship-carried sound range and azimuth indicating system, an underwater sound dome streamlined by a taper in volume from front to rear for movement under water with minimum turbulence and having flooding openings fore and aft to render the dome free-flooding with the surrounding water, a sound beam projector mounted in the dome below the level of the flooding openings near the fore portion of the dome, training means for training the projector in azimuth from front to rear and a sound responsive receiver element mounted in the tapered rear end of the dome below the level of the flooding openings in fixed relation to the dome directly astern of the projector in the direction of the streamlining of the dome, said dome maintaining a captive body of water between the projector and receiver substantially stationary relative to the projector receiver and dome, whereby with the projector trained toward the receiver sound waves may be transmitted for test purposes from the projector to the receiver through relatively still water with the ship under way.

2,578,679

INDUCTION ALTERNATOR EXCITER CONTROL

Donald V. Edwards, Montclair, N. J., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 25, 1947, Serial No. 763,534
27 Claims. (Cl. 322—20)



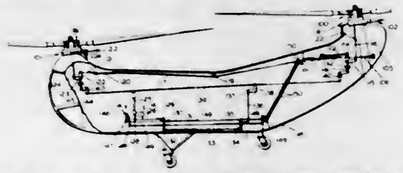
1. Excitation apparatus of the character described for alternating current generators comprising in combination, an output circuit for the generator, a relatively large inductance, a circuit organization including a plurality of high vacuum electron discharge tubes each having a control element capable of stopping as well as starting conduction through the tube, said circuit organization connecting said inductance with the output circuit of the generator only by conduction through said tubes, means applying control voltages to the control elements of said tubes to initiate their conduction periods at a controllable leading phase angle with respect to the voltage in the output circuit of said generator, said circuit organization acting as a rectifier during one part of the conduction periods of said tubes to supply uni-directional current from the output circuit to said inductance, said circuit organization acting as an inverter during another part of the conduction periods of said tubes to supply an alternating current from said inductance to said output circuit leading the voltage in the output circuit, and means for automatically controlling the leading phase angle of the conduction periods of said tubes with respect to the voltage in the output circuit and thereby vary the component of leading current provided in the output circuit for self-excitation of the generator.

2,578,680

STABILIZER FOR ROTARY WING AIRCRAFT

Frank A. Erickson, Elizabeth City, N. C.

Application December 5, 1947, Serial No. 790,005
13 Claims. (Cl. 244—17.19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a helicopter, in combination, cyclic pitch controls including a non-rotatable swash plate section, a mounting plate secured to said non-rotatable swash plate section, shafts fixedly secured to the mounting plate, stabilizer vanes pivotally mounted upon the shafts to vary their angle of attack, and means to change the angle of attack of said stabilizer vanes.

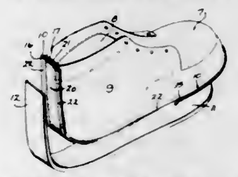
9. In rotary wing aircraft, in combination, rotating sustaining means, a fuselage, control means connected with said rotating sustaining means to vary the thrust and direction of thrust of said rotating sustaining means, non-rotating airfoil means mounted for movement about an axis offset from the center of pressure of said airfoil in response to aerodynamic forces, said airfoil means being operatively connected to said control means for actuation thereof in response to aerodynamic forces acting on said airfoil means.

2,578,681

SHOE WITH A PADDED REAR PORTION

Joseph H. Everston, Los Angeles, Calif.

Application November 23, 1948, Serial No. 61,677
3 Claims. (Cl. 36—8.5)



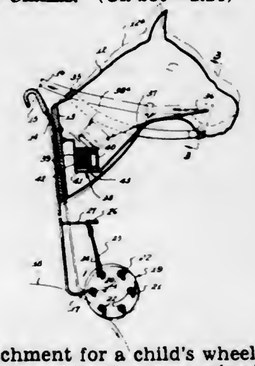
1. In a shoe, the combination with an upper comprising quarters having spaced outwardly flanged margins, of an outsole having an upwardly projecting back stay extension marginally connected with the quarter flanges at the rear of the shoe, a flexible member substantially the height of said extension and connected with such flanges in front of said extension and extending forwardly within the quarters from such connection and having its intermediate portion spaced forwardly from said extension, and a cushion of a substance which is materially compressible resiliently, said cushion being confined between said flexible member and said extension, and substantially filling the space between said flanges adjacent said extension.

2,578,682

HOBBYHORSE ATTACHMENT FOR BICYCLES AND TRICYCLES

Raymond G. I. Fernstrom, Los Angeles, Calif.

Application September 25, 1950, Serial No. 186,507
15 Claims. (Cl. 280—1.14)



3. An attachment for a child's wheeled vehicle comprising in combination: an animal simulating body portion; frame means to pivotally support said body portion on a horizontal member in said vehicle; a rotary cam journaled in said frame means and positioned and adapted to drivingly engage a concentric rotary surface of a wheel of said vehicle whereby to move said body portion in response to rotation of said wheel, said cam having spaced peripheral abutments; and an animal-simulating noise maker supported on said frame and positioned for intermittent engagement by said abutments to simulate animal sounds in response to rotation of said vehicle wheel.

2,578,683

PROTECTIVE COMPOSITIONS AND METHOD

Stuart O. Fiedler and Johan Bjorksten, Chicago, Ill., and Luther L. Yaeger, Hammond, Ind., assignors to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland

No Drawing. Application February 21, 1947, Serial No. 730,193
8 Claims. (Cl. 260—17)

4. A composition of matter comprising cellulose acetate hydrogen phthalate and polymethyl methacrylate, in the proportions of about 12 to 1, as solutes, and the organic solvent composition therefor, said organic solvent composition comprising from 7 to 17% of a volatile solvent selected from the group consisting of aliphatic ketones and esters having 1 to 5 carbon atoms, 10 to 20% of a solvent selected from the group consisting of nitromethane and aliphatic alcohols having 1 to 4 carbon atoms, and 40 to 60% of a medium volatile solvent selected from the group consisting of ethylene glycol monomethyl ether, ethylene glycol monoethyl ether, diacetone alcohol, butyl acetate, butyl propionate, and methyl, ethyl and propyl lactates.

2,578,684

GLYCOL ESTERS OF ACYLOXYCARBOXYLIC ACIDS

Edward M. Filachione, Philadelphia, Pa., Martin L. Fein, Riverside, N. J., and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application June 18, 1948, Serial No. 33,837
8 Claims. (Cl. 260—484)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising subjecting a compound selected from the group consisting of a glycol containing from 2 to 6 carbon atoms and a saturated ester of said glycol containing at least one free hydroxyl group to alcoholysis by heating it at reaction temperature and in the presence of an esterification catalyst, with a lower alkyl ester of a lower aliphatic alpha-hydroxymonocarboxylic acid, with concurrent removal of the alcohol formed from the reaction mixture, and then reacting the resulting glycol ester with an acylating agent.

2,578,685

METHOD OF DEWAXING PETROLEUM PRODUCTS WITH MONOBROMO-MONOCHLOROMETHANE

Karl A. Fischer, College Park, Md.

No Drawing. Application November 10, 1949, Serial No. 126,675
3 Claims. (Cl. 196—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

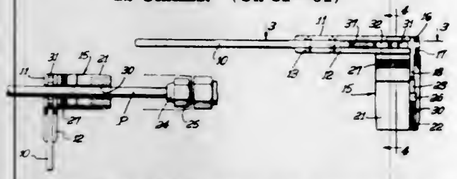
1. A process of dewaxing oils, which comprises diluting an oil with monochloro-monobromomethane, chilling the mixture, and separating the wax.

2,578,686

OPEN-SIDED-SOCKET RATCHET WRENCH

Herbert L. Fish, Los Angeles, Calif., assignor, by mesne assignments, to Tubing Appliance Co., Inc., Los Angeles, Calif., a corporation of California

Application April 27, 1945, Serial No. 590,577
12 Claims. (Cl. 81—61)



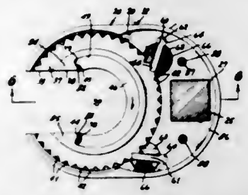
1. A split socket wrench for turning B nuts on a pipe comprising a handle having a circular aperture in one end portion perpendicular to the longitudinal axis of the handle, said end portion being formed with a lengthwise open slot communicating with said aperture, a socket driving member coaxial with said aperture and mounted for rotation on said end portion, drive means on the handle for rotating the socket driving member, a nut engaging socket member having a detachable and non-rotary connection with the socket driving member coaxially therewith, said socket driving member and socket member each having a slot extending the length thereof and one aligned with the other, said last two slots aligning with the first named slot in one rotational position of the driving member, all of said slots having a width approximately equal to the diameter of said pipe, and alignable indicia carried by the handle and said socket driving member respectively in a manner to indicate to the user the corresponding alignment of said slots whereby said wrench is in a condition to be removed from engagement with said pipe.

2,578,687

SPLIT RATCHET SOCKET WRENCH

Herbert L. Fish, Los Angeles, Calif., assignor to Tubing Appliance Company, Inc., Los Angeles, Calif., a corporation of California

Application March 10, 1947, Serial No. 733,533
11 Claims. (Cl. 81—61)



1. A wrench comprising a rotatable driving element having an opening therethrough, said opening having an arcuate wall, a shoulder extending inwardly from each end of said arcuate wall at an acute angle thereto, a wall extending from each of said shoulders to the exterior of said element and forming an open slot communicating with said opening, a replaceable work turning member having a portion adapted to be inserted in said opening, said portion having an arcuate exterior surface corresponding to said arcuate wall and adapted to lie contiguous thereto in the inserted position of said portion, said portion being formed with a face extending inwardly from each end of said surface at an acute angle thereto and forming a pair of abutments to engage said shoulders and provide driving connection between the driving element and work turning member, and means for rotating said driving element.

2,578,688

VINYL RESINS PLASTICIZED WITH TRIMETHYLOL PROPANE TRIOCTANOATE

George L. Fraser, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 25, 1948, Serial No. 51,317
9 Claims. (Cl. 260—31.2)

1. A composition comprising a vinyl chloride-containing polymer and an amount of 1,1,1-trimethylol propane trioctanoate which is compatible therewith.

2,578,689

LUBRICANT CONTAINING A REACTION PRODUCT OF WATER-SOLUBLE SULFONIC ACIDS AND PHOSPHORUS SULFIDE

Michael W. Freeman, Detroit, Mich.

No Drawing. Application August 27, 1946, Serial No. 693,374
8 Claims. (Cl. 252—33)

1. A lubricating composition having incorporated therein a minor amount, sufficient to impart extreme pressure and corrosion inhibiting properties of a reaction product obtained by treating a water-soluble petroleum sulfonic acid as the only essential sulfonic acid present with from 10% to 40% of phosphorus sulfide, based on the weight of water-soluble petroleum sulfonic acid, at an elevated temperature not exceeding 450° F. until cessation of formation of hydrogen sulfide.

2,578,690

ACCELERATORS FOR ADDENDUM TYPE RESINS

Howard L. Gerhart, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application October 4, 1949, Serial No. 119,560
35 Claims. (Cl. 260—45.3)

1. A method of polymerization which comprises adding to a dihydric alcohol ester of an alpha, beta-unsaturated dicarboxylic acid, a small effective amount of an aldehyde amine which is the reaction product of equimolar amounts of an aldehyde of the formula RCHO, in which R is a hydrocarbon group, and a primary monoamine of the formula R_1NH_2, in which R_1 is a hydrocarbon group.

2,578,691

COMBINATION MAIL AND NEWS BOX

Russell W. Gieseler, Jamestown, N. Y.

Application April 19, 1946, Serial No. 663,440
8 Claims. (Cl. 232—17)



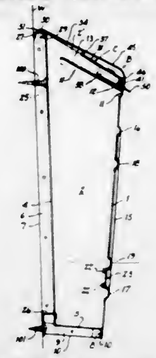
1. An improved news box formed of sheet material having a box part and a cover part hinged to the box part, said box part having enclosing front, rear, bottom and side wall panels, said rear wall panel having a substantially flat rear wall section inset between said side wall panels providing a pair of rearward extending rib formations adapted to rest against the building wall and maintain said rear wall section spaced from the building wall, said cover part having a top wall section shaped to enclose the upper end of the box part, said rear wall panel having an arcuate formation extending between said rib formations and rearwardly overhanging the plane of said rear wall section, said top wall section of the cover part having an arcuate extension embracing the arcuate formation of said rear wall panel to exclude the entry of water into the box interior.

2,578,692

DUPLEX COVERED MAIL AND NEWS BOX

Russell W. Gieseler, Jamestown, N. Y.

Application March 9, 1948, Serial No. 13,832
5 Claims. (Cl. 232—19)



1. An improved duplex covered mail and news box formed of sheet material comprising a box part having enclosing front, rear, bottom and side wall panels, said rear wall panel having a rear wall section inset between said side wall panels providing a pair of rearwardly extending rim formations adapted to rest against the building wall and maintain said rear wall section spaced from the building wall, a secondary cover part having a top wall section designed to substantially close the upper end of said box part in a manner to prevent pilfering of mail deposited in the box part, said secondary cover part having a top wall section presenting a contracted insertion opening, a front flange section and side wall sections depending from said top wall section designed to snugly overlap the upper outside face of the front wall panel and side wall panels of the box part, and a primary cover part comprising a top wall panel having a front flange section and side flange sections depending from said top wall panel designed to snugly overlap the corresponding front flange section and side flange sections of said secondary cover part, means for locking said secondary cover part to the box part, and common pivot means for independently hinging said primary cover part and said secondary cover part to the box part.

2,578,693

COMBINATION MAIL AND NEWS BOX

Russell W. Gieseler, Jamestown, N. Y.

Application March 9, 1948, Serial No. 13,831
4 Claims. (Cl. 232—19)

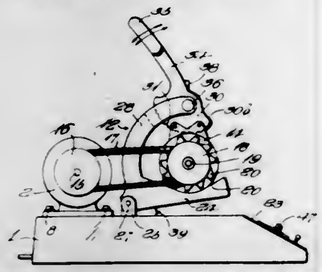
1. An improved combination mail and news box formed of sheet material having a box part and a cover part hinged to the box part, said box part having enclosing front, rear, and side wall panels, said rear wall panel having a rear wall section inset between said side wall panels providing a pair of rearwardly extending flange formations adapted to rest against the building wall and maintain said rear wall section spaced from the building wall, said cover part having a top wall section shaped to enclose the upper end of the box part, said rear wall panel having a curvilinear formation extending between the upper ends of said flange formations and rearwardly overhanging the plane of said rear wall section, said top wall section of the cover part having a curvilinear hip extension embracing the curvilinear formation of said rear wall panel to exclude the entry of water into the box interior,

said cover part having side flanges designed to embrace the upper end of each of said side wall panels when said cover part is in closed position, and means hingedly connecting each of said cover side flanges to the adjacent upper ends of the adjacent flange formations, each of said



flange formations extending vertically when the box is mounted on the building wall and having a notched-out rear edge adjacent the upper end thereof, said rear edge notch being designed to receive the adjacent free edge of said curvilinear hip extension when said cover part is swung to full open position.

2,578,694
GENERATOR TESTER
Albert D. Goldman, Baltimore, Md.
Application January 14, 1950, Serial No. 138,561
8 Claims. (Cl. 171—252)



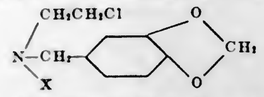
1. A generator tester comprising a base structure, a carrier member pivotally mounted on said base structure, said carrier member including a pair of longitudinally extending rails, a frame member extending vertically from said carrier member and terminating in a position over the said rails and bifurcated at the extremity thereof, a cam shaped member pivotally mounted in the bifurcated end of said frame member, a hand lever extending from said cam shaped member and movable to positions for controlling said cam shaped member with respect to said frame member for clamping a generator having a belt driving connection thereon carried by said rails with respect to said frame, and a belt engaging the belt driving connection on said generator for driving said generator, the mass of said generator operating as a turning moment for tensioning the driving belt with the carrier member for said generator suspended in an inclined position about the pivotal connection with said base.

2,578,695
METHOD OF MAKING LIGNIN COMPOUND AND PRODUCT
Worth C. Goss, Seattle, Wash., assignor to United States Sheetwood Company, Seattle, Wash., a corporation of Delaware
No Drawing. Application June 26, 1948, Serial No. 35,519
4 Claims. (Cl. 260—124)

4. A high temperature, thermo-setting binder comprising a mixture of brown rotted wood, ammonium hydroxide and a phenol selected from the group consisting of resorcinol, pyrocatechol, carbolic acid, cresylic acid and cresol.

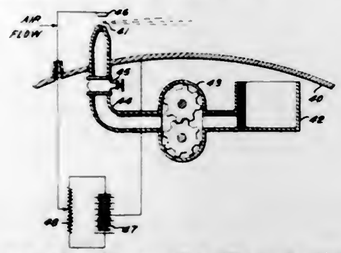
2,578,696
N-(2-CHLOROETHYL)-N-PIPERONYL AMINES
William S. Gump, Upper Montclair, and Edward Joseph Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 20, 1949, Serial No. 105,886
3 Claims. (Cl. 260—338)

3. Tertiary amines having the formula:



wherein X is a member selected from the group consisting of benzyl and ethyl radicals, and salts thereof with acids having an ionization constant of at least 1×10^{-2} at 25° C.

2,578,697
METHOD AND APPAPATUS FOR DISCHARGING STATIC ELECTRICITY
Ross Gunn, Washington, D. C.
Continuation of application Serial No. 471,252, January 4, 1943. This application January 9, 1948, Serial No. 1,425
4 Claims. (Cl. 175—264)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

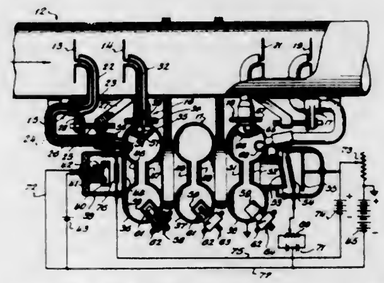


1. Apparatus for varying the potential of an electrode from positive to negative with respect to a body which comprises, an electronic bridge circuit including a plurality of electronic tubes having a cathode, a grid and an anode, impedances, a source of high potential connected to said cathodes, one anode connected to said body and to said source through one of said impedances, the other anode connected to said electrode and to said source through another of said impedances, means for varying the potential of said grids in opposite phase, thereby to cause one tube to become conducting and the other tube substantially non-conducting and to cause said electrode to become positive or negative by virtue of the potential drop in one of said impedances.

2,578,698
DEHYDRATION OF ORGANIC ACIDS
William E. Hanford, Short Hills, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application September 24, 1948, Serial No. 51,107
13 Claims. (Cl. 260—450)

1. A method for separating an organic acid having at least two carbon atoms per molecule from an aqueous solution thereof which comprises contacting said solution with a solvent comprising a dialkyl amide of an organic acid.

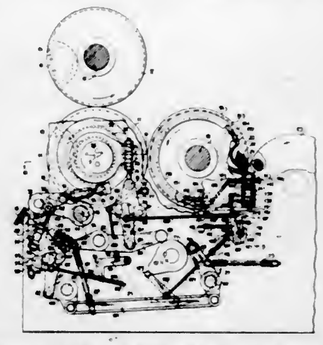
2,578,699
CAVITY RESONATOR ELECTRON DISCHARGE APPARATUS
William W. Hansen and Russell H. Varian, Stanford University, Calif., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif., a legal entity of California
Application December 6, 1943, Serial No. 513,002, which is a division of application Serial No. 291,652, August 24, 1939. Divided and this application October 3, 1947, Serial No. 777,801
15 Claims. (Cl. 315—39)



1. High frequency apparatus comprising a hollow body providing a conductive envelope for enclosing an electromagnetic field, said body having an aperture in a wall thereof, a pocket vacuum-sealed to said body, said pocket having a closed inner end portion within said envelope and having an open end facing said aperture, and said pocket being permeable to said field, a movable terminal portion of a high frequency transmission line extending within said pocket and having a conductive portion disposed in part within said envelope for coaction with said field, and means accessible externally of said body for moving said terminal portion and varying said coaction with said field.

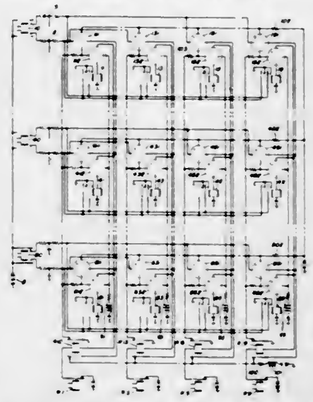
2,578,700
SHEET CONTROLLED INTERRUPTER FOR OFFSET PRINTING PRESSES
Charles W. Harrold, University Heights, and Arthur B. Woodruff, Brecksville, Ohio, assignors to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware
Application July 12, 1946, Serial No. 683,130
16 Claims. (Cl. 101—184)

1. In a machine of the character described, a feed table for supporting sheets fed automatically in timed sequence, front registering means associated with said table, a printing press having an impression cylinder, sheet grippers thereon adapted to take sheets advancing from said feed table, impression throw-off mechanism, sheet detecting means associated with said front registering means, means set in motion by said detecting means for stopping the feed of sheets in the absence of a sheet at said front registering means at the beginning of a press cycle, sheet advancing means forward of said feed table timed to present to said impression cylinder grippers a



sheet which has passed said detecting means and is in transit between said feed table and said impression cylinder, and means associated with the grippers on said impression cylinder, functioning in the absence of a sheet fed to said cylinder, for setting said throw-off mechanism in impression off position and holding it in that position until the next sheet is fed.

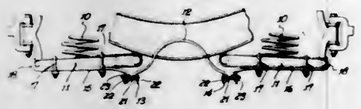
2,578,701
COORDINATE SELECTING AND LOCKOUT CIRCUIT
George Hecht, Astoria, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1949, Serial No. 115,823
6 Claims. (Cl. 179—18)



3. In combination, a two-way lock-out arrangement comprising a plurality of cold cathode gas conduction tubes arranged in pairs, circuits interconnecting each of the tubes of said pairs of tubes, a lock-out circuit interconnected with one of the tubes of a plurality of said pairs of tubes responsive to a discharge through one of said tubes for preventing a discharge through corresponding tubes of other of said pairs of tubes, another lock-out circuit interconnected with a plurality of the other tubes of said pairs of tubes responsive to a discharge through one

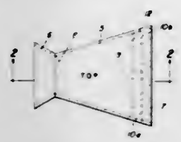
of said other tubes of one of said pairs of tubes for preventing a discharge through corresponding tubes of other pairs of said tubes, means responsive to a discharge between predetermined elements of the first tube of a pair for applying discharge initiating conditions to the second tube of the pair of tubes.

2,578,702
SPRING STABILIZER ATTACHMENT
Rudolph H. Hellwig, Glendale, Calif.
Application March 15, 1948, Serial No. 15,021
3 Claims. (Cl. 267—16)



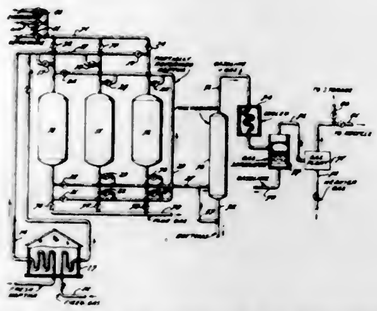
1. In a vehicle having a pair of laterally aligned wheel suspension means, each consisting of a substantially horizontally disposed A-frame having its apex supported by a wheel and its base pivotally mounted upon the vehicle and vertically disposed spring means intermediate said apex and base for springingly supporting the weight borne by the wheel, the provision of: a laterally extending stabilizer attachment consisting of a resilient strip metal member having portions curved about axes transverse to said resilient member, the ends of the resilient member being vertically displaced from said points of pivotal mounting, and means attachable to each end of said resilient member for connecting the member to one of the wheel suspension means whereby vertical movement of a wheel suspension means will cause flexing of said curved portions.

2,578,703
RADIATION DETECTION INSTRUMENT
William A. Hopkins, Columbus, Ohio, and
Howard W. Gilbert, Bethesda, Md.
Application December 13, 1949, Serial No. 132,768
4 Claims. (Cl. 250—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



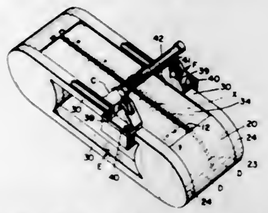
1. A pocket-size portable radiation detector comprising a casing having an eyepiece, a pair of screens disposed within said casing in one plane normal to the axis of vision and at opposite sides of said axis, one of said screens being inherently luminescent and the other being treated to glow when exposed to radioactivity, and a panel structure arranged between said eyepiece and said screens and in parallelism with the latter, the half of said panel structure associated with the inherently luminescent screen being of graduated transparency from one edge to an opposite edge, said panel structure carrying two series of opaque characters disposed in rows behind said screens.

2,578,704
REFORMING OF HYDROCARBONS WITH DEHYDROGENATION CATALYSTS
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application July 8, 1947, Serial No. 759,497
21 Claims. (Cl. 196—49)



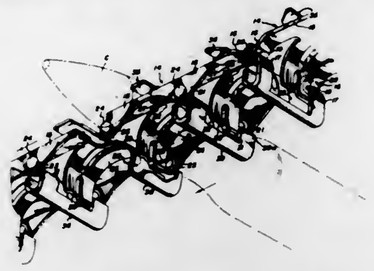
1. In processes for upgrading of hydrocarbons boiling in the range of gasoline and naphthas under dehydrogenation conditions in contact with a dehydrogenation catalyst, the improvement which comprises conducting the treatment in a plurality of stages and under reaction conditions of successively increased severity while controlling the temperature of said stages to effect heating of said hydrocarbons over a wide temperature range by contact with said catalyst, the hydrocarbons being initially heated by contact with catalyst containing carbonaceous deposit, said hydrocarbons when subjected to initial contact with said catalyst containing carbonaceous deposit being at a lower temperature than the said catalyst, and then at a later stage as the reaction progresses said hydrocarbons being heated to and reacted at higher temperature by contact with catalyst in freshly regenerated state.

2,578,705
CALCULATING MACHINE
Sheldon K. Johnson, Van Nuys, Calif.
Application February 10, 1949, Serial No. 75,701
11 Claims. (Cl. 235—71)



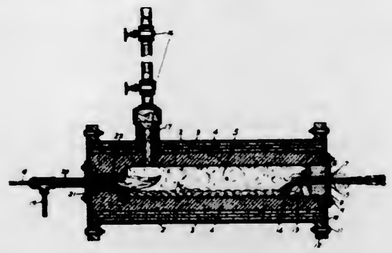
1. A calculating device of the character described including a plurality of cooperating scales each involving a flexible tape and markings on both sides thereof, the scales having straight adjacent visible portions and rolled portions forming supplies to and from which the scales are operable, carriers at the ends of the straight portions supporting the rolled portions, a frame holding the carriers and providing an uninterrupted view of said scales from above and below, and transparent covers at both sides of the visible portions of the scales and each having a reference mark thereon cooperating with the markings on the scales.

2,578,706
AMMUNITION CLIP
Gerald W. Kinzelman, Chicago, Ill.
Application May 18, 1949, Serial No. 94,033
5 Claims. (Cl. 89—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



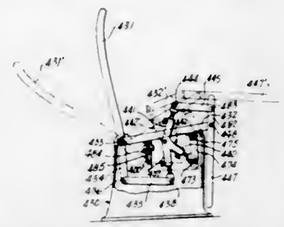
1. A cartridge clip consisting of links having back plates and hinges connecting them together in articulated formation for collapse in one direction, and a cradle embodied in each of the links by which cartridges are gripped for eventual firing, each cradle having at least one free extremity extending outwardly of the link backs and beyond the axes of the cartridges and the link hinges being located between said backs and the cartridge axes to constitute the cartridge an obstruction to the collapse of the clip in said direction.

2,578,707
METHOD AND APPARATUS FOR PRODUCING FIBROUS MATERIAL
Daniel W. Kocher, Columbus, Ohio, assignor, by mesne assignments, to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application September 30, 1947, Serial No. 776,905
15 Claims. (Cl. 18—47.3)



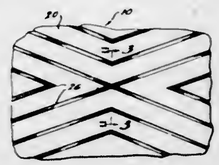
5. The method of producing fibrous material from a molten mass, the steps comprising charging a mass of material capable of attenuation into a pressure-tight combustion chamber, heating the mass in said chamber by the combustion of a fuel-oxidant mixture, forming a pool of molten material, delivering molten material from the pool into the path of the combustion gases escaping from the chamber, and attenuating said mass solely by the application thereto under pressure of the combustion gases resulting from the combustion of the fuel-oxidant mixture, said combustion gases surrounding a stream of said heated mass during the attenuation thereof.

2,578,708
RECLINING ARTICLE OF FURNITURE
Anton Lorens, Buffalo, N. Y.
Application February 26, 1946, Serial No. 650,247
22 Claims. (Cl. 155—106)



1. A reclining article of furniture comprising: a support, a back-rest pivotally mounted on said support, said back-rest having a downward extension, a seat, the rear portion of said seat being swingably mounted on said support, a controlling member, said controlling member being swingably mounted on said support at a point spaced from the pivotal connection between the back-rest and the support, a connecting link, said connecting link being pivoted at its rear end to said extension of the back-rest below the pivotal connection between the back-rest and the support and being pivoted at its front portion to said controlling member, a leg-rest swingably mounted on the front portion of said seat, first means positioned between said controlling member and said seat and in operative engagement with each to effect movement of said seat in coordination with said controlling member, and second means positioned between said controlling member and said leg-rest and in operative engagement with each to effect movement of said leg-rest in coordination with said controlling member.

2,578,709
FLEXIBLE LAMINATED TRIM PANEL
Fred Lyijynen, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 15, 1949, Serial No. 76,469
6 Claims. (Cl. 154—46)



1. A flexible panel structure comprising an outer cover layer of thermoplastic resin, a pliable foundation and an intermediate padding layer, said cover and padding layers being compacted against the foundation at selected regions to provide depressed areas in which the cover layer along the bottoms of said areas is disposed below the cover layer in the regions adjoining said areas, the bottoms of said areas being additionally formed with closely spaced indentations at the locality of which said cover and padding layers are additionally compacted, and said layers being bonded together along the bottoms of said despressed areas and indentations.

2,578,710

RIBOFLAVIN-LACTIC ACID CONDENSATION PRODUCTS

Ben L. Maizel and Irving Gerson, Chicago, Ill., assignors to Vico Products Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application July 22, 1947, Serial No. 762,820
12 Claims. (Cl. 260—211.3)

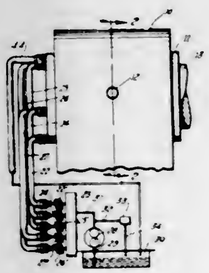
1. The process which comprises reacting riboflavin with at least several times its weight of lactic acid, in the substantial absence of water, at a temperature between about 140 degrees C. and about 190 degrees C.

2,578,711

BEARING

Mario E. Martelliotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio

Continuation of application Serial No. 393,212, May 13, 1941. This application June 27, 1947, Serial No. 757,541
5 Claims. (Cl. 308—122)



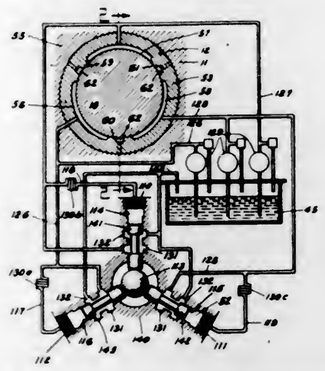
1 In a bearing construction, in combination, a bushing member having an opening therein, a journal member rotatably mounted in said opening, said opening being larger than said journal to form a clearance which provides resistance to flow therethrough of a film of fluid and to allow for relative radial movement of said members, a series of narrow separating grooves circumferentially disposed about the bearing surface of one of said members to divide said surface into a plurality of large substantially independent pressure film supporting land areas in opposed balanced relationship about said clearance, each of said land areas having at least twice the circumferential dimension of each of said grooves, a resistance connected to each groove, a pump driven independently of said members and having its delivery side connected to said resistances, and a pressure-relief valve connected to the delivery side of said pump, said pump and said valve with said grooves adapted to establish and maintain pressure films of flowing fluid throughout said land areas whether the bearing is in static or dynamic condition whereby the resistance to flow of fluid through said clearance and the pressure of said films on each of said land areas are differentiated upon radial relative movement of said members caused by external loads applied thereto to thereby automatically set up forces in the bearing to counteract said loads.

2,578,712

FLUID PRESSURE BEARING

Mario E. Martelliotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio

Original application September 30, 1941, Serial No. 413,005, now Patent No. 2,459,826, dated January 25, 1949. Divided and this application January 19, 1949, Serial No. 71,709
5 Claims. (Cl. 308—122)



1. In a fluid pressure bearing, in combination, a bearing member, a journal mounted in said bearing member, the diameters of said journal and bearing member being different to provide clearance space therebetween for relative lateral movement thereof, said bearing member having a plurality of pockets therein circumferentially spaced thereabout opening toward said journal and defining lands between adjacent pockets to provide resistance to flow through said clearance space from said pockets, pumping means, a separate lubricant supply channel connecting each pocket to the output of said pumping means, a plurality of bleed-off conduits connected respectively to said pockets, a valve structure including a plurality of individual valves each of which is disposed in a separate one of said bleed-off conduits to thereby control the rate of bleed-off of lubricant supplied through each of said channels, a separate fluid pressure-responsive means for operating each of said valves to control its bleed-off operation, and a conduit separately connecting each fluid pressure-responsive means to that pocket to which its valve is connected, whereby each valve is responsive to the pressure in the pocket to which it is connected to effect the rate of bleed-off so that an increase in the pressure in any one of the pockets will reduce bleed-off from that pocket and a decrease in the pressure in any one of the pockets will increase the bleed-off from such pocket.

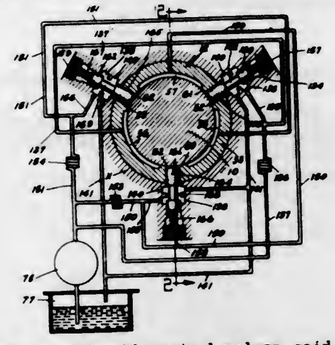
2,578,713

FLUID PRESSURE BEARING

Mario E. Martelliotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio

Original application September 30, 1941, Serial No. 413,005, now Patent No. 2,459,826, dated January 25, 1949. Divided and this application January 19, 1949, Serial No. 71,710
6 Claims. (Cl. 308—122)

1. In a fluid pressure bearing, in combination, a pair of interfitting bearing members in which there are circumferentially spaced hydraulic pockets in the bearing surface of one of said members, individual channels for delivering lubricant to the several pockets from a source of lubricant under pressure, there being clearance space between said bearing members to allow for relative movement between said members and to provide resistance to flow from the pockets, and a control valve for each pocket, said control valves being biased toward one of said members and mechanically inter-related therewith to be mechanically actuated directly by relative movements of said bearing members, each channel being connected to one of said control valves, said control valves controlling the amount of pressure in each channel and thus the pressure of the lubricant in said pockets, whereby relative lateral movement of said bearing members with respect to each other acting through said control valves causes an increase in the pressure of the lubricant in the channel or channels leading to any pocket facing the path of such relative movement to oppose it and a decrease in the pressure of the lubricant in the channel or channels leading to any of the pockets not facing said path.

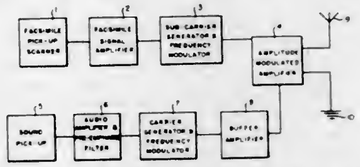


2,578,714

SOUND AND FACSIMILE MULTIPLEX SYSTEM

Stephen J. Martin, Long Island City, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application September 18, 1947, Serial No. 774,705
2 Claims. (Cl. 178—5.6)



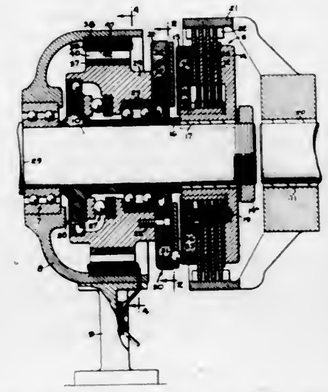
1. In a system for multiplex signals including a range of frequency components covering essentially the audible spectrum of 30 to 15,000 cycles per second and a signal spectrum substantially less than said audible spectrum, the combination of, a source of signals covering substantially said audible spectrum, means for amplifying said signals, a high frequency carrier signal generator, means for frequency modulating said carrier generator with signals from said amplifying means, a source of signals comprising said second spectrum, an amplifier for amplifying said last said signals, a sub-carrier generator, means for frequency modulating said sub-carrier with signals from said last said amplifier, means for amplitude modulating said frequency modulated high frequency carrier with said frequency modulated sub-carrier, and means for radiating said last modulated signal.

2,578,715

MAGNETICALLY CONTROLLED FRICTION CLUTCH

James A. Mason, Beloit, Wis., assignor to Warner Electric Brake & Clutch Company, a corporation of Illinois

Application October 29, 1948, Serial No. 57,295
7 Claims. (Cl. 192—40)



1. The combination of, driving and driven shafts arranged end to end, a friction clutch having axially engageable friction elements mounted on the adjacent ends of the respective shafts and normally held out of gripping engagement, a disk axially spaced from said clutch and mounted on said driving shaft for rotation relative thereto, said disk being normally rotatable with said driving shaft, a force augmenting connection operable to compress said elements together in response to turning of said disk relative to said driving shaft away from a predetermined released position, an electric generator axially spaced from said clutch and having a rotor rigid with said disk and a nonrotatable stator encircling said driving shaft and coacting with said rotor to exert a magnetic drag on said rotor and member, and means for rendering said generator operative and inoperative to engage and disengage said clutch.

2,578,716

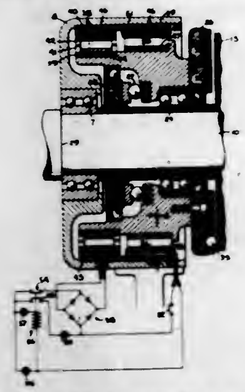
MAGNETICALLY CONTROLLED FRICTION CLUTCH

John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake & Clutch Company, a corporation of Illinois

Application October 29, 1948, Serial No. 57,326
4 Claims. (Cl. 192—40)

1. The combination of, driving and driven shafts, a friction clutch coupling said shafts, a member mounted on said driving shaft for angular displacement relative thereto about the shaft axis, said member being normally rotatable with said driving shaft, an actuating connection between said member and said clutch operable upon turning of the member relative to said driving shaft away from and back to a clutch released position to effect engagement and to permit disengagement of the clutch, an electric generator having a nonrotatable stator and an armature rotatable with said member, a mag-

netic brake operable when energized to retard the rotation of said member and having a non-rotatable element adapted to be energized by said generator and a rotor rotatable with said member, means by which said generator may be



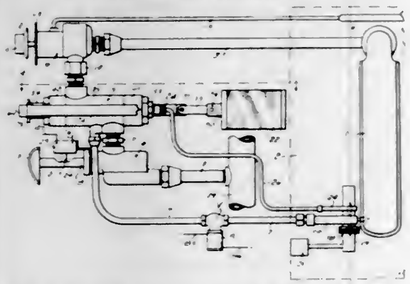
activated to impose a magnetic drag on said member and energize said brake, and means automatically operable after a time interval to disable said brake while maintaining said generator effectual in continuing the drag on said member.

2,578,717

BURNER CONTROL MECHANISM

Charles M. Mayer and John M. Hoff, Mansfield, Ohio, assignors to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio

Application May 23, 1950, Serial No. 163,764
12 Claims. (Cl. 161—9)



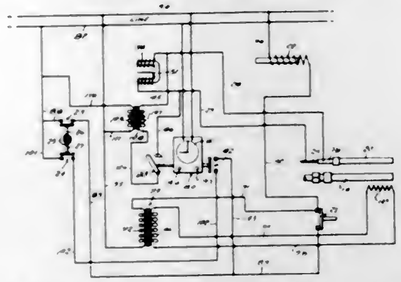
1. In a burner control apparatus of the character described, the combination of a main burner, a pilot burner by which said main burner is ignited, a conduit through which gaseous fuel is supplied to said main burner, a safety control valve mechanism operative to control the supply of fuel to said main burner interposed in said conduit, a solenoid and operative connections between said solenoid and said safety control valve mechanism, a thermocouple disposed adjacent said pilot burner in position to be heated thereby and operative connections between said thermocouple and said safety control valve mechanism, said solenoid being operative when energized to set said safety control valve mechanism in condition to supply fuel to said main burner and said thermocouple being operative when heated to maintain said safety control valve mechanism in said set condition, means operable to control the energization of said solenoid, means operable to render said thermocouple ineffective to maintain said safety control valve mechanism in said set condition, a time control mechanism, operative connections between said time control mechanism and said first mentioned means by which said first mentioned means is actuated at a predetermined time by said time control mechanism to energize said solenoid, and operative connections between said time control mechanism and said second mentioned means by which said second mentioned means is actuated by said time control mechanism at a predetermined later time.

2,578,718

OVEN BURNER IGNITION AND CONTROL MECHANISM

Charles M. Mayer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio

Application December 11, 1950, Serial No. 200,264
6 Claims. (Cl. 161—9)



1. In an automatic ignition and control apparatus of the character described, the combination of a main burner, a pilot burner by which said main burner is ignited, a conduit through which gas is supplied to said main burner, a branch conduit through which gas is supplied to said pilot burner, a normally closed valve interposed in said conduit and operative when closed to cut off the flow of gas through said conduit and said branch conduit, a solenoid operative when energized to move said valve to open position, an electromagnet operative when energized to hold said valve in open position after said solenoid has been de-energized, a thermocouple mounted in position to be heated by said pilot burner, a thermocouple circuit between said thermocouple and said electromagnet, said thermocouple being operative when heated to energize said electromagnet through said thermocouple circuit, a quinching circuit hooked into said thermocouple circuit, a normally open switch in said quinching circuit, and a time control mechanism operative to close said switch at a predetermined set time, said quinching circuit being operative when said switch is closed to damp out said thermocouple circuit and de-energize said electromagnet.

2,578,719

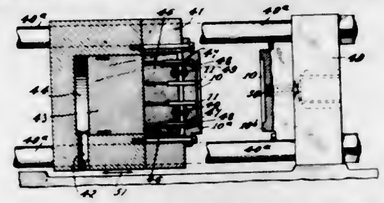
INJECTION MOLDING APPARATUS

Joseph W. Mayer and Wilbur F. St. Clair, Troy, N. Y., assignors, by mesne assignments, to Autograf Brush & Plastics Co., Incorporated, a corporation of New York

Application June 14, 1944, Serial No. 540,268
1 Claim. (Cl. 18—30)

In a cavity mold for molding articles of plastic, the combination of a first platen, a second platen movable against the first platen and having a guide hole, part of the front surfaces of said

platens contacting and part spaced from each other to form a cavity mold, an injection nozzle for the first platen for discharging plastic into said cavity to fill the same, a piston spaced from the rear surface of the second platen, a compression molding member carried by said piston extending through said guide hole of the second platen, and having its end flush with the cavity surface of the second platen, means moving said



piston toward the second platen while said platens are in contact for moving the compression molding member into the plastic in the cavity, for subjecting the plastic molded in the cavity by the injection nozzle, to fluid pressure to the extent of the displacement of the inserted compression molding member into the plastic in the mold cavity and forming a consolidated portion around the compression molding member.

2,578,720

FLUORINATION OF FUSED-RING ORGANIC COMPOUNDS WITH COBALT TRIFLUORIDE

Earl T. McBee, La Fayette, Ind., and Richard M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application December 22, 1945, Serial No. 637,072
6 Claims. (Cl. 260—648)

1. A method for the perfluorination of a fused-ring hydrocarbon which includes the step of reacting a fused-ring hydrocarbon with cobalt trifluoride, as the sole fluorinating agent, at a fluorinating temperature between about —30 and 500 degrees centigrade, and separating from the reaction product a perfluoro fused-ring compound containing the same number of carbon atoms as the starting fused-ring hydrocarbon.

2,578,721

FLUORINATION OF SATURATED HALOCARBONS WITH MANGANESE TRIFLUORIDE

Earl T. McBee, La Fayette, Ind., and Richard M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application December 29, 1945, Serial No. 638,450
5 Claims. (Cl. 260—648)

1. The process for the replacement, with fluorine, of all halogen atoms other than fluorine, in a saturated polycarbon compound containing only carbon and halogen with retention of the carbon structure of the molecule, which includes the steps of (1) vaporizing a saturated polycarbon compound containing only carbon and halogen and containing at least one halogen atom other than fluorine, (2) maintaining solid manganese trifluoride in a reaction zone at a temperature between about 200 and 600 degrees centigrade, (3) causing the vapor of the saturated halocarbon and manganese trifluoride to react with replacement, with fluorine, of all halogen atoms other than fluorine in the molecule of the saturated halocarbon, and (4) condensing from the effluent product a saturated polycarbon compound containing only carbon and fluorine and having the same carbon structure as the starting material wherein all halogen atoms other than fluorine have been replaced with fluorine.

2,578,722

APPARATUS FOR DETERMINING COATING THICKNESS

Raymond F. McCartney, George E. Pellissier, and Everett E. Wicker, Pittsburgh, Pa., assignors to United States Steel Company, a corporation of New Jersey

Application May 18, 1950, Serial No. 162,632
6 Claims. (Cl. 250—52)



1. Apparatus for determining the thickness of a coating on a base material in which the coating material has a higher atomic number than the base material, which apparatus comprises an X-ray tube arranged to direct a primary X-ray beam into the base material, a tube extending from said X-ray tube toward and substantially to the base material, a pair of spaced apart transverse shields in said tube intermediate the ends thereof, said shields having aligned openings therein, the diameter of said openings and spacing of said shields being such that the angle of divergence of the primary X-ray beam does not exceed 5.50°, a radiation detector arranged on the same side of the base material as the X-ray tube for detecting fluorescent radiation from the base material, a tube extending from said radiation detector toward and substantially to the base material, a collimating device in said last named tube at the end adjacent said radiation detector, the arrangement of said collimating device being such that the angle of divergence of the secondary X-ray beam does not exceed 5.0°

2,578,723

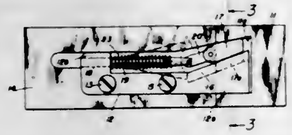
CONNECTOR DEVICE

Samuel Bartlett McKenzie, Toronto, Ontario, Canada, assignor to Connector Locks (Canada) Limited, Toronto, Ontario, Canada, a corporation of Canada

Application December 31, 1946, Serial No. 719,365
2 Claims. (Cl. 292—302)

1. In a connector device for detachably connecting together two separate structures which may be brought together along a substantially common plane, one structure having secured thereto a hollow keeper having opposing interior walls converging to an entry mouth, one of such

opposing walls providing a guide surface and the other a keeper surface, a bolt mechanism secured to the other structure for sliding insertion within and latching cooperation with the keeper of the first structure, said bolt mechanism comprising: a stationary guide member adapted to slide into the keeper of the first structure along the guide surface thereof, a movable wedging member mounted on said stationary guide member for making latching contact with the keeper surface on the keeper of the first structure, a spring con-



stantly urging said movable wedging member toward the free front end of said stationary guide member, operating means attached to said movable wedging member, and a slideway associated with said stationary guide member of the bolt mechanism, said slideway lying within and extending along the common plane of the two structures, said operating means comprising a slide mounted in said slideway, a link articulatively connecting said slide with said wedging member, and a handle projecting from said slide.

2,578,724

PREPARATION OF HIGH MOLECULAR WEIGHT UNSATURATED ETHERS

Joseph K. Mertzweiller, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 24, 1948, Serial No. 61,913
8 Claims. (Cl. 260—614)

1. A process for the preparation of an alpha unsaturated aliphatic ether of relatively branched chain carbon structure, which comprises heating together a mixture consisting essentially of alkyl C_8 aldehydes and aliphatic alcohols, volatilizing the by-product water as formed, volatizing unconverted reactants and thereafter isolating the alpha unsaturated ether, a major portion of said unsaturated ether being of the C_{16} series.

2,578,725

PROCESS OF PROTECTING METALS AGAINST CORROSION

Josef M. Michel and Karl F. Hager, Fort Bliss, Tex., assignors to the United States of America as represented by the Secretary of the Army

No Drawing. Application October 20, 1949, Serial No. 122,591
4 Claims. (Cl. 260—586)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of protecting metals against corrosion from contact with a material selected from the group consisting of alcohols, ketones and water mixtures thereof which comprises effecting said contact in the presence of a compound having the formula

$$R_1—SO_2—NH—R_2—COOR_3$$

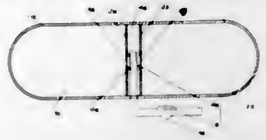
in which R_1 is a saturated aliphatic hydrocarbon with a chain length of from 12 to 20 atoms, R_2 is a member of the group consisting of aryl radicals and alkylene radicals of the formula $—C_n H_{2n}—$ where n is a small positive integer and R_3 is a member of the group consisting of hydrogen, alkali metal and ammonium ions and substituted ammonium radicals, said compound forming a dispersion in said material.

2,578,726

COMPRESSED GAS BOMB

Howard Roswald Moore, Drexel Hill, Pa.

Application October 12, 1945, Serial No. 622,112
4 Claims. (Cl. 102—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bomb comprising a hollow casing, a pair of spaced, fusible barriers in said casing forming a first chamber and a pair of separate chambers on opposite sides of the first chamber, said pair of chambers being adapted to contain a pair of chemically reactant substances, one in each of said chambers, and an electrical heating element between said barriers, said element being adapted upon energization to fuse said barriers.

2,578,727

FOLLOW-UP TYPE SERVOMOTOR

George W. Mork, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application December 23, 1948, Serial No. 67,034
6 Claims. (Cl. 121—41)



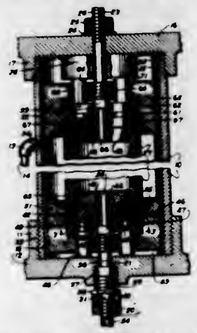
1. In a servo-motor, the combination of: a cylinder, an axially slidable piston having outwardly fluid-tight contact with said cylinder; a control element; a valve member axially slidably fitted within said cylinder and actuated by said control element, said valve member being at will moveable into cooperation with said piston to direct fluid pressure against said piston and produce follow-up movement of said piston; power fluid supply means for supplying power fluid to said cylinder; power fluid exhaust means for providing unobstructed passage for flow of power fluid out of said cylinder when said valve member is withdrawn from cooperation with said piston and also when said piston moves out of such cooperation with said valve member; an actuable element moveable substantially as a unit with said piston, but with a limited amount of relative movement therewith; and resilient means interposed between said piston and said actuable element opposing their relative movement with a force proportional to the displacement of the control element from its inactive position.

2,578,728

SEALING AND TESTING OF TUBES BY HYDRAULIC OR PNEUMATIC MEANS

Clarence Walton Musser, Glenside, Pa.

Application March 18, 1949, Serial No. 82,262
7 Claims. (Cl. 73—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In apparatus of the character described, the combination of a tank open at one end, a fluid-inlet member extending through the closed tank end, a reservoir for containing a hydraulic testing fluid, a pump connected between said reservoir and said fluid-inlet member, an overflow duct leading from within the tank to said reservoir, a first cup-shaped tube supporting means secured for limited longitudinal movement within said tank adjacent the tank's closed end, a first plug filling one end of the tube to be tested and comprised of a nose portion backed up by a resilient sealing member and a non-yieldable back-up plate, first rigid means for spacing said first plug's back-up plate from said tank's closed end, a cover secured to said tank's open end, a second cup-shaped tube supporting means secured to said cover for limited longitudinal movement with respect thereto, a second plug filling the end of the tube to be tested opposite to that filled by said first plug and comprised of a nose portion backed up by a resilient sealing member and a non-yieldable back-up plate, second rigid means for spacing said second plug's back-up plate from said cover whereby the pressure within the tube to be tested can be increased to cause the resilient sealing members to seal both tube ends and also move said first and second tube supporting means free of the tube ends so as to relieve them of any external compressive stress during the test.

2,578,729

EXTRACTION OF HYDROLYZED ESTROGENS FROM URINE

John W. Nelson, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

Application September 21, 1948, Serial No. 50,443
2 Claims. (Cl. 167—74.5)

1. A process for the production of an estrogenically active concentrate having a high ratio of estrogenically active substances to total solids directly from an acid-hydrolyzed estrogen-containing urine, which includes the following steps in the following order: (1) hydrolyzing urine with acid, (2) treating the acid-hydrolyzed urine with a diatomaceous earth filter aid and separating the filter aid embodying the estrogenically active substances and solids of the urine from the liquid, (3) extracting the estrogenically active substances from the filter aid with a solvent of the group consisting of dibutyl ether, n-butyl alcohol and ethylene dichloride, (4) extracting the resulting extract containing the estrogenically active sub-



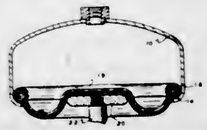
stances with an aqueous alkaline solution having a pH of at least 11.5, (5) adjusting the pH of the resulting aqueous alkaline extract to approximately 10.5 by the addition thereto of a reagent having residual acidity, (6) extracting the said adjusted aqueous extract with a water-immiscible organic solvent for the estrogenic substances of the group consisting of ethylene dichloride, ethyl ether, ethyl acetate and methyl ethyl ketone, and (7) recovering the purified estrogenically active substances from the organic solvent extract.

2,578,730

DIAPHRAGM

George E. Nicholson and John B. McGay, Tulsa, Okla., assignors, by mesne assignments, to Ohmer Corporation, Dayton, Ohio, a corporation of New York

Application July 25, 1945, Serial No. 606,920
6 Claims. (Cl. 137—157)



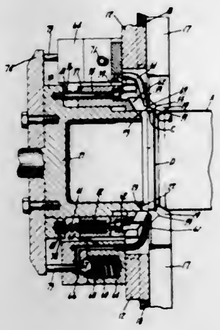
1. In a fluid pressure instrument, a relatively rigid housing having a fluid inlet and an enlarged opening surrounded by an internal annular lip, a preformed flexible diaphragm that has an annular rim about its outer periphery freely seated upon said lip internally of said housing, and a resilient ring imbedded in said diaphragm rim, said rim being larger than said opening but said ring permitting lateral contraction of said rim to clear said opening for insertion of the rim into said housing during assembly of the housing and the diaphragm, said ring expanding to substantially regain its shape to seat said rim on said housing all around said lip, and said inserted rim being forced into pressure sealing engagement with said housing all around said lip by fluid pressure within said housing.

2,578,731

CONTAINER END ASSEMBLING MACHINE

Ronald E. J. Nordquist, Maplewood, N. J., and Herbert F. Cox, Jr., New York, N. Y., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application March 12, 1946, Serial No. 653,776
3 Claims. (Cl. 93—55.1)



1. In an apparatus for securing an end member in inserted position against a shoulder provided by an inwardly extending bead formed adjacent a projecting flange of a fibre container body, the combination of means engageable with said shoulder to hold the container in supported position, a movable die member disposed in spaced longitudinal relation to the supported body for engaging and bending inwardly the projecting flange of said body into overlapping position against the end member while said shoulder of the body is backed up by said holding means, said die member having an unbroken continuous working surface for engaging the full outer surface of said container body flange, means disposed adjacent the end of the container body for projecting a fluid medium against the body flange, and valve means engageable by said die member for actuating said fluid projecting means to impinge said fluid medium against said flange of the container body to press the flange inwardly into the path of travel of the moving die member to facilitate the aforesaid bending engagement of the die with the flange for securing the end member to the container body.

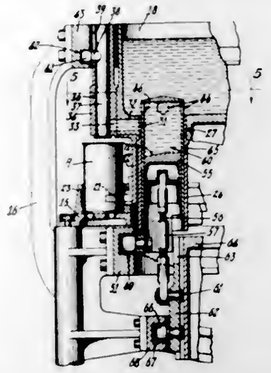
2,578,732

FILLING MACHINE WITH RECIPROCATING PISTONS OPERATING WITHIN RECIPROCATING MEASURING CHAMBERS

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 30, 1947, Serial No. 794,693
7 Claims. (Cl. 226—103)

1. A container filling machine comprising a reservoir for retaining a quantity of liquid for filling into containers, a discharge cylinder carried by said reservoir with one end opening into the reservoir and having an outlet for discharging liquid into a waiting container, a measuring cylinder longitudinally movable and concentrically disposed in said discharge cylinder and having an open port communicable with the interior of said reservoir in one position of said measuring cylinder for admitting a measured quantity of liquid thereinto and alignable with said outlet in the discharge cylinder in another position of said measuring cylinder for segregating the measured quantity of liquid from said reservoir for discharge from the measuring cylinder, and a piston concentrically disposed in said measuring cylinder and movable along the common axis for forcing the segregated measured charge of liquid therefrom through said aligned port and discharge outlet.

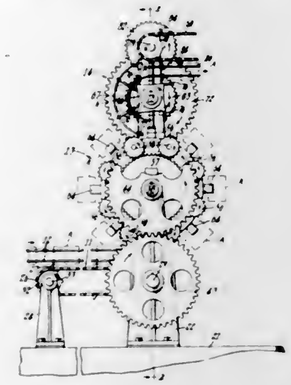


2,578,733

ARTICLE CONVEYING MACHINE

Ronald E. J. Nordquist, Maplewood, N. J., and John E. Socke, Pelham Manor, N. Y., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application March 21, 1949, Serial No. 82,664
6 Claims. (Cl. 198—41)



5. In a metallic can body cooling machine, the combination of a rotatable drum immersed in a cooling medium, a plurality of continuous conveyors in the periphery of said drum and disposed longitudinally thereof, a plurality of spaced magnetic carriers on said conveyors for holding metallic can bodies on said conveyors, means for rotating said drum, and means for actuating said continuous conveyor longitudinally of said drum, the combined rotary movement of said drum and longitudinal movement of said conveyors resulting in movement of each of said bodies in a helical path throughout the length of said drum.

2,578,734

DEHALOGENATION OF STEROIDS

Arnold C. Ott and Maxton F. Murray, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application July 18, 1949, Serial No. 105,443
13 Claims. (Cl. 260—397.2)

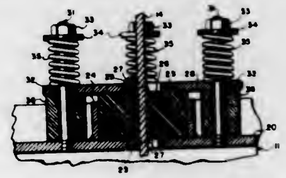
1. A method for the introduction of a nuclear double bond into a steroid molecule comprising: contacting in the presence of an organic solvent at a temperature between about ten and about one-hundred degrees centigrade, a vicinally nuclearly-dihalogenated stercid, said halogen being a member of the group consisting of chlorine and bromine, and a quaternary ammonium iodide, until about the theoretical quantity of elemental iodine, as determinable by standard procedures, has been released, and isolating the nuclearly-unsaturated steriod thus formed.

2,578,735

ANTIWEAR DEVICE FOR THE MOORING CABLES OF SUBMARINE MINES

Robert H. Park, Pluckemin, N. J.

Application July 1, 1942, Serial No. 449,308
17 Claims. (Cl. 102—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device for mooring a mine, the combination of a mine anchor having a recessed portion therein, a cable adapted to moor the mine to said anchor, said cable extending into said recessed portion of the mine anchor, a resilient clamp arranged about said cable and secured to said mine anchor mounted within said recessed portion, and means for causing the cable to be clamped by said resilient clamp when a predetermined period of time has elapsed after the mine has been launched within the water.

11. A resilient fairlead for a mine anchor having a constrictable aperture therein, a mooring cable adapted to move freely within said aperture, and means responsive to the action of the sea water and connected to said fairlead for causing said aperture to be constricted sufficiently to cause the cable to be clamped by said fairlead.

2,578,736

NEW INSECTICIDES

Michel Pijoan, United States Navy, and Robert D. Englert, Henry J. Gerjovich, and Mortimer L. Hopwood, Boulder, Colo.

No Drawing. Application May 29, 1946, Serial No. 673,035
14 Claims. (Cl. 167—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. An improved insecticidal composition containing as an essential active ingredient, a compound, dissolved in an insect penetrant solvent, consisting of two partially hydrogenated naphthalene rings condensed with a chloral group in which rings is substituted a functioning substituent chosen from the group consisting of hydroxy, alkoxy, halogen and carboxylic acid ester groups.

2,578,737

AWNING

Frank M. Powers, River Forest, Ill.

Application June 3, 1949, Serial No. 97,010
3 Claims. (Cl. 160—392)



1. In a fabric awning having a frame consisting of a front bar and side bars, a substantially cylindrical member secured to the inner surface of the awning fabric adjacent and parallel to the lower edge thereof, and a front bar comprising a longitudinally split substantially annular tube adapted to be slid endwise over said member to secure the awning and the front bar together.

2,578,738

BIOLOGICAL PRODUCTION OF RIBOFLAVIN

Thomas G. Pridham, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application November 4, 1949, Serial No. 125,641
2 Claims. (Cl. 195—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a process for the biological synthesis of riboflavin in which *Ashbya gossypii* is cultivated in a nutrient medium initially containing 0.5 to 10 percent fermentable sugar, 0.25 to 5.0 percent partially degraded protein and essential nutrient salts, wherein during the cultivation the pH of the medium first falls to about 4.5 and then gradually rises about to 7.5–8.0, biological synthesis of riboflavin taking place during the period the pH is rising about from 5.3 to 6.4 and during which period the content of reducing substances present in the medium, calculated as glucose, lies within the range of 0.10 to 0.20 percent, adding a supplementary amount of fermentable sugar to the medium within the period when the pH is rising through the said range of 5.3 to 6.4.

2,578,739

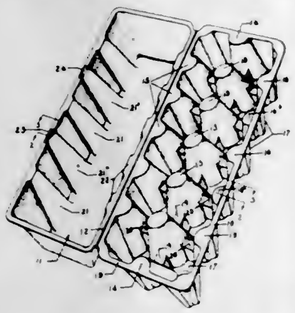
MOLDED CARTON FOR FRAGILE ARTICLES

Walter H. Randall, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, and William B. Nutley, Portland, Maine, as trustees

Application December 24, 1947, Serial No. 793,681
3 Claims. (Cl. 229—2.5)

1. A carton for eggs and the like comprising an integral sheet of molded pulp contoured to provide a tray-like base section and a tray-like generally flat-bottomed cover section each having side and end walls terminating in peripheral flanges in the plane of the sheet, said flanges

constituting meeting surfaces for the cover and base sections when the cover section is overfolded upon the base section, said cover and base sections being hingedly secured together along adjacent longitudinal flanged portions, the side walls of said cover section being provided with inwardly extending ribs extending from the bottom of the cover section to the plane of the



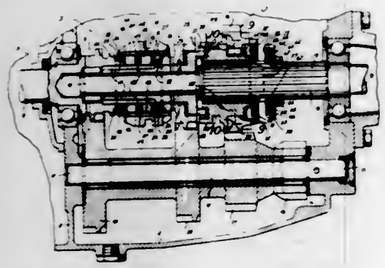
sheet, at least one of the ribs on the outer side wall of the cover extending beyond the plane of the sheet to cooperate with the inner surface of the outer side wall of the base section, whereby when the carton is closed, lateral movement of the outer side wall of the cover section beyond the adjacent outer side wall of the base section is prevented.

2,578,740

AUTOMOTIVE VARIABLE-SPEED TRANSMISSION AND CONTROL MECHANISM THEREFOR

Glenn T. Randol, St. Louis, Mo.

Application May 20, 1946, Serial No. 671,088
29 Claims. (Cl. 74—333)



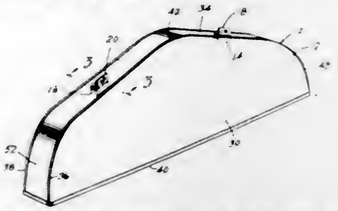
1. In a variable-speed transmission, a driven shaft, a gear surrounding the shaft and slidably supported thereby and adapted to be driven by a meshed condition with another gear, an overrunning clutch interposed between the gear and the driven shaft, two-way drive connecting means between the gear and the driven shaft, and means for driving the driven shaft at a speed differing from that at which the driven shaft can be driven through the slidable gear, said two-way drive connecting means and said last-named means being controlled by sliding movement of the gear and being selectively operable at two positions of the gear, the gear at each position having a meshed condition with another gear and being driven thereby.

2,578,741

HANGER COVER

Ralph S. Reiner, Steubenville, Ohio

Application November 9, 1948, Serial No. 59,155
2 Claims. (Cl. 223—98)



1. Hanger cover construction for use in conjunction with a clothes hanger comprising: a cover element and a retainer element; said cover element including front and rear walls joined together by a top wall, and adapted to overlie a garment having shoulder portions in place upon said clothes hanger; said retainer element including a top member and front and rear gripping members disposed substantially at right angles with respect to said top member; said top member of said retaining element having a width substantially equal to that of said hanger, so that said front and rear gripping members may resiliently engage a shoulder portion of a garment supported upon said hanger to retain said portion upon said hanger; said retainer element being secured to the inner surface of the top wall of said cover element, whereby the engagement of said retainer element with a shoulder portion of a garment supported by said hanger may maintain said cover element in position upon the upper portion of said garment and said hanger.

2,578,742

MANUFACTURE OF AROMATIC AMINE THIOCYANATE-ALDEHYDE CONDENSATION PRODUCTS

Thomas E. Robbins, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application August 12, 1947, Serial No. 768,271
19 Claims. (Cl. 260—72.5)

1. In a process for condensing an aldehyde with a pseudomerizable aromatic amine thiocyanate which condenses with the aldehyde in the proportions of two moles of aldehyde for each mole of the aromatic amine thiocyanate with a strong exotherm whereby the heat of reaction tends to cause the aromatic amine thiocyanate to convert to its pseudomer, the steps of introducing the aromatic amine thiocyanate into an aqueous solution of the aldehyde at a rate such that there is no substantial amount of unreacted aromatic amine thiocyanate in the reaction medium at any time while cooling the reaction medium to minimize conversion of the aromatic amine thiocyanate to its pseudomer, the amount of aromatic amine thiocyanate thus introduced being not greater than one mole for each two moles of aldehyde.

2,578,743

METHOD OF MAKING DECORATIVE ARTICLES

Allan Rosenthal, Brooklyn, N. Y.

Application July 23, 1945, Serial No. 606,666
6 Claims. (Cl. 18—47.5)

1. The method of manufacturing a decorative article including the steps of: providing an elongated block shaped blank of plastic material, said blank having ends, a top surface, a bottom surface, a pair of side edges, and opposed pairs of upper and lower corner edges; softening said



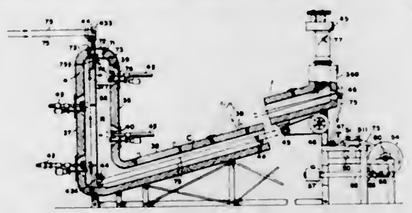
blank; twisting said blank about its longitudinal axis; grooving said blank generally in the direction of said axis; heating said blank; and twisting said blank in a direction opposite to the said first mentioned twisting.

2,578,744

METHOD AND APPARATUS FOR DRYING SIZED OR OTHERWISE IMPREGNATED TEXTILE MATERIAL

Ralph A. Rusca and George J. Kyame, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture

Application July 26, 1949, Serial No. 106,951
7 Claims. (Cl. 34—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



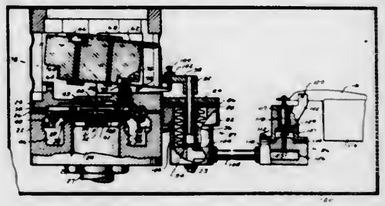
3. A continuous single pass process of drying a material such as coated or impregnated continuous textile warps, sheets, or webs comprising continuously passing a number of closely spaced continuous strands of said textile material through a radiant heating zone in which they are exposed to the rays from a gas-fired infra-red generator, controlling the ratio of combustible gas to oxidizing gas supplied to said generator and to said radiant heating zone to obtain a neutral, or oxidizing, or reducing atmosphere, at will, continuously drawing the exit hot products of combustion from said radiant heating zone into and through a lower temperature heating zone, continuously passing said strands from said radiant heating zone into the low temperature heating zone, throughout which zone the strands move parallel to and in the same direction as, and in contact with the said exit products of combustion, the speed of drying in the lower temperature zone being raised by decreasing the cross-sectional area of this zone with respect to the radiant heating zone to increase the velocity of the products of combustion passing through the lower temperature zone, and by spreading the strands farther apart in the inlet region of the lower temperature zone than in the radiant heating zone, and thereafter venting substantially all of the gases from the system without recycling, the lower temperature zone being under negative pressure produced by said drawing of the combustion gases therethrough.

2,578,745

FLOAT VALVE FOR FUEL SYSTEMS

David Samiran, Fort Wayne, Ind.

Original application December 17, 1948, Serial No. 65,952. Divided and this application December 28, 1949, Serial No. 135,473
2 Claims. (Cl. 137—104)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. The combination, in an aircraft fuel system, of a tank, a fuel intake shutoff mechanism which consists of a housing, a main valve in said housing comprising a main valve seat, a main valve disc adapted to be pressed upon said seat to stop fluid flow through said main valve into said tank, a pressure chamber above said disc adapted, by the pressure of the incoming fuel, to press said disc onto said seat, a small slow leakage means between the inflow side of the main valve and the said pressure chamber, a bleed valve having flow capacity greater than said leakage means adapted when open to connect said pressure chamber back to said tank, a main float movably supported in said housing and adapted in a raised or lowered position to respectively close or open said bleed valve, a locking means associated with said main float including a member normally holding said main float in a raised position whereby the bleed valve is closed, but operative by pressure of incoming fuel to move to another position to hold said main float in a lowered position whereby said bleed valve is open, conduit means to convey fuel under pressure to said locking means, an auxiliary float, a relief valve operable by said auxiliary float to open when the auxiliary float is in a raised position and to close when the auxiliary float is in a lowered position, and a passageway connecting the locking means to the relief valve, whereby, when the auxiliary float is raised and the relief valve therefore open, fluid under pressure entering said locking means through said conduit escapes through said relief valve and no pressure builds up in the locking means and the main float therefore remains locked in the raised position until the auxiliary float assumes the lowered position, whereupon the main float is unlocked and allowed to assume its lowered position.

2,578,746

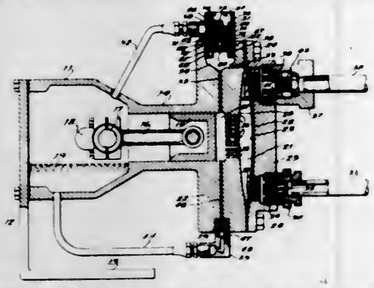
FLUID PUMP

Milton H. Scherger and Earl B. Terrill, Jr., Chicago, Ill., assignors to Mills Industries, Incorporated, Chicago, Ill., a corporation of Illinois

Application December 12, 1946, Serial No. 715,748
3 Claims. (Cl. 103—44)

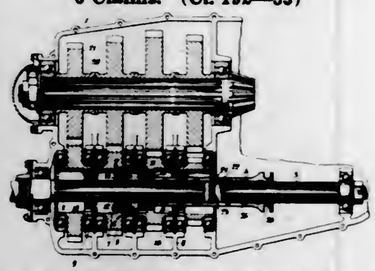
1. A pump for liquids or other fluid, comprising a cylinder, a piston reciprocably mounted in said cylinder, a crankcase containing an oil sump and having a crankshaft mounted therein operatively connected with said piston, a pumping chamber beyond the head of the piston, a diaphragm mounted in a midposition in said chamber, the space between the diaphragm and the piston being adapted to receive a hydraulic fluid

and the space on the opposite side of the diaphragm being adapted to receive a fluid to be pumped, intake and outlet passages for the pumped fluid communicating with the latter space, a one-way conduit between said hydraulic fluid space and said oil sump whereby oil may be drawn from the latter on the suction stroke of the piston in case of a deficiency in the quantity of the hydraulic fluid in said hydraulic fluid space, and means for bleeding from said hy-



draulic fluid space upon the compression stroke of the piston, any gas which may accumulate in said hydraulic fluid space, said last-mentioned means comprising a second conduit between the high point in said hydraulic fluid space and said crankcase and a metering valve in said second conduit constructed and arranged to momentarily open on such compression stroke of the piston to bleed a small amount of gas from such hydraulic fluid space on each such stroke.

2,578,747
SYNCHRONIZING DEVICE
Leopold Schmid, Gmund, Karnten, Austria
Application March 4, 1948, Serial No. 12,946
In Austria March 13, 1947
6 Claims. (Cl. 192—53)

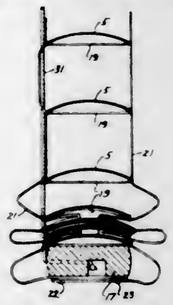


1. In a constant mesh variable speed power transmission mechanism, a rotatable driving member mounted for axial sliding movement, a series of rotatable selectively driven members mounted coaxially with said driving member and spaced from each other in an axial direction, the driving member being formed with outwardly extending driving teeth and each of the driven members being formed with inwardly extending teeth complementary to said outwardly extending teeth on the driving member, the inner ends of which teeth on the driven members being concentric with the axis of the driving member whereby the driving member may engage with any one of the driven members to rotate the same, together with two friction members mounted on the driving member, one on each side of the teeth thereon, said friction members having an outer surface generally concentric with the axes of the driving and driven members and slightly larger in diameter than the ends of the inwardly extending teeth on the driven members, whereby, as the driving member is shifted axially past any of the driven members in the series, one of said friction members will first engage with the ends of the teeth on the one of driven members to synchronize the speed of the driving member and then the teeth on the driving member will positively engage the teeth on said driven member.

2,578,748
RECOVERY OF METALLIC OXIDES SUCH AS ZIRCONIA
Robert A. Schoenlaub, Cleveland, Ohio, assignor to Sylvester & Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 25, 1946, Serial No. 657,057
3 Claims. (Cl. 23—16)

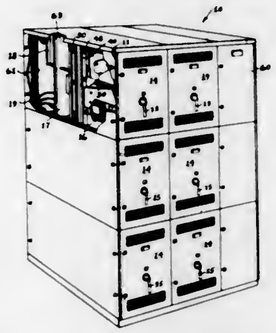
1. A process for recovering zirconium in the form of zirconium oxide from a substance containing a silicious compound of the metal which comprises forming a heterogeneous system of discrete crystals of zirconium oxide and a crystalline silicate gangue substantially free of such oxide by heating and reacting said material at a temperature below about 3200° F. with an added basic material in such an amount that the basic functioning oxides and acid functioning oxides are present in ratios of between 1:1 and 2:1 and which basic material is of such type that upon reaction with silica in the stated proportions will produce preponderantly soluble ortho-silicates thus setting free the zirconium oxide as such in crystal grains and forming a friable silicate gangue, and after disintegrating the mass, separating the ortho-silicate thus formed from the zirconium oxide grains.

2,578,749
VENETIAN BLIND
Henry J. Schultz, Hayward, Calif., assignor to Brooks Walker
Application June 24, 1950, Serial No. 170,174
5 Claims. (Cl. 160—168)



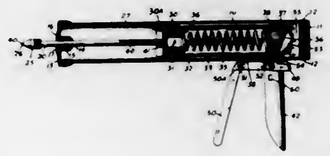
1. A Venetian blind having slats, ladder tapes, a lift cord associated with each ladder tape, said ladder tapes having flexible side members, a portion of said side member folding between opposite faces of two adjoining slats when said blind is raised by said lift cords, perforations in said side members, said lift cords laced through said perforations in said ladder tape side member, the portions of said ladder tape side member that folds between said slats being on the slat side of said lift cord when in the blind raised position and a portion of said ladder tape side member folding away from said slats and outside of said lift cord when said blind is in the raised position.

2,578,750
CIRCUIT BREAKER STEEL BACK ISOLATION BARRIER
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 3, 1948, Serial No. 58,063
12 Claims. (Cl. 175—298)



1. In a distribution switchboard, a plurality of circuit breakers, a grounded steel panel for each circuit breaker, means for mounting each of said circuit breakers on its associated grounded steel panel, each panel having horizontal and vertical flanges to form a tray construction, vertical supporting members, means for securing said panels to said supporting members, back connection studs individual to each of said circuit breakers, a plurality of pairs of openings for receiving said pair of back connection studs, each pair of openings being connected by a slot to reduce eddy current effects in said panel, a compartment for each of said circuit breakers comprising said panel, a top wall, bottom wall, steel side walls and a steel front, said top, bottom and side walls etxending beyond said panel and forming a second compartment, means for operating the circuit breaker and its grounded steel panel and back connection studs into and out of its compartment, said first compartment containing said circuit breaker and its steel panel isolating said circuit breaker from the bus compartment when the circuit breaker is operated into its compartment, bus runs for each said circuit breaker connected to said studs, said bus runs being located in said second compartment and isolated from its associated circuit breaker by said steel panel.

2,578,751
GRAPHITE GUN
Orlando D. Shonnard, Upper Montclair, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application September 9, 1947, Serial No. 772,943
3 Claims. (Cl. 222—193)



1. A gun comprising a barrel, a flexible, elongated tubular sack having a fixed open end facing the outer end of the barrel and fixed in the barrel intermediate the ends thereof, and a closed end slidable in the barrel toward the fixed end of the sack, resilient means for forcing the inner closed end of the sack to retracted position at the rear end of the barrel, a nozzle at the front end of the barrel, a trigger, and means actuated by the trigger for collapsing the tube by forcing the closed end of the sack toward the nozzle end of the barrel.

2,578,752
METHOD OF CONTROLLING STEM END DECAY OF CITRUS FRUITS
Martin A. Slade, Jr., and Raymond D. Gerwe, Lakeland, Fla., assignors to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
No Drawing. Application November 13, 1948, Serial No. 59,986
4 Claims. (Cl. 99—154)

1. The method of treating fresh whole citrus fruit to control stem end decay which comprises contacting said fruit with an aqueous solution of salicyl anilide solubilized with an organic amine base selected from the group comprising amino methyl propanol, monoethanolamine, diethanolamine, triethanolamine, morpholine, aminobutanol and di-ethylamine.

2,578,753
PARACHUTE LOAD CUSHIONING MECHANISM
William Herbert Smith, Ease Molesey, England
Application December 12, 1949, Serial No. 132,623
In Great Britain August 18, 1944
9 Claims. (Cl. 188—65.4)



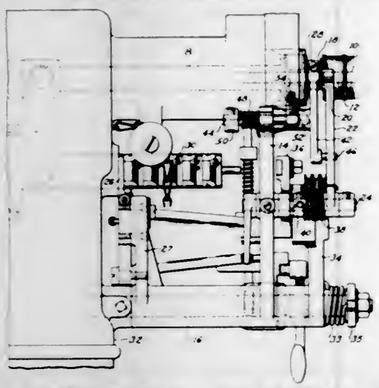
1. A device adapted to reduce the impulse force between a support and a load suspended therefrom, which device comprises a casing, fastening means on said casing, a coiled strip of ductile steel mounted in said casing and having one end secured thereto, the other end of said strip extending freely beyond said casing, fastening means on said free end of said strip, and a plurality of elements in said casing adjacent said coiled strip and around which said strip passes to have reverse bends formed therein, one of said elements being on one side of said casing, another element being on the opposite side of said casing and still another element being intermediate said two mentioned elements, said strip passing from its coil around said first mentioned element forming at least one reverse bend of small radius, back past said coil and around said second mentioned element forming at least another reverse bend of small radius, and finally passing around said intermediate element and out through said casing.

2,578,754
SPARKING PLUG
Wytze Beye Smits, Voorburg, Netherlands; vested in the Attorney General of the United States
Application March 9, 1949, Serial No. 80,492
In the Netherlands February 8, 1940
19 Claims. (Cl. 123—169)



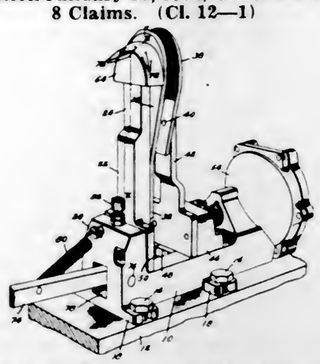
1. A spark plug, particularly for the production of sparks caused by the discharge of a condenser, and comprising at least two spaced electrodes and an insulating body electrically separating but mechanically connecting said electrodes, said insulating body having on its surface between said electrodes a superficial layer of finely distributed platinum burned into said surface, said layer having a resistance of from ten to one hundred thousand ohms.

2,578,755
THREAD CUTTER FOR BOBBIN WINDERS
Ralph O. Smithson and Charles F. Fitzgerald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 12, 1948, Serial No. 1,853
9 Claims. (Cl. 242—21)



1. A bobbin winding machine having a mandrel for supporting a plurality of flanged bobbins, a yieldingly actuated controller arm arranged for inward movement toward the bobbin supporting mandrel and for outward movement as each bobbin is being wound to cause the winding operation on that bobbin to be terminated and the winding operation on the next bobbin to be started and means for stopping the inward movement of the controller arm toward the mandrel, in combination with a yieldingly actuated thread engaging lever fulcrumed for relative movement on the controller arm, means on the controller arm for limiting the relative movement of the thread engaging lever to prevent engagement of the thread engaging lever with the thread until a bobbin is partially filled, a knife pivoted for relative movement on the controller arm for severing the thread crossing the flange of the bobbin, a spring for moving the knife toward thread severing position and a pin on the thread engaging lever for holding the knife out of thread severing position until the thread engaging lever is engaged by the thread on the bobbin being wound.

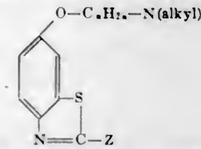
2,578,756
TOE FORMING MACHINE
Bender L. Speier and Frederick I. Hamilton, Norwalk, Conn., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 19, 1951, Serial No. 206,872
8 Claims. (Cl. 12—1)



1. A shoe machine comprising a clamping member constructed and arranged to engage the footfacing surface of an insole at its toe end portion, a cooperating clamping member constructed and arranged to engage the outsole-facing surface of the insole at its toe end portion, means for causing the clamping members to clamp the toe portion of the insole between them, a toe former, and means for advancing the toe former to shape the toe portion of an upper fastened to the insole while the insole is clamped between the clamping plates.

2,578,757
2-TERTIARYAMINO-6-(DIALKYLAMINOALKOXY)-BENZOTHIAZOLES AND PROCESS FOR THEIR MANUFACTURE
Norbert Stelger, Nutley, and Oscar Keller, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 2, 1949, Serial No. 79,316
12 Claims. (Cl. 260—293.4)

1. A compound of the class consisting of a 2-tertiaryamino - 6-(dialkylaminoalkoxy) -benzothiazole, which in the form of its free base, can be represented by the following formula:



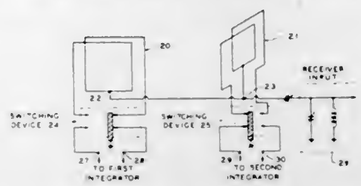
wherein Z is a member of the group consisting of a piperidino, morpholino, tetrahydroquinolino and



radical, R_1 and R_2 being members of the group consisting of lower alkyl, phenyl and benzyl

radicals, and the N atom of the Z group is attached to the 2-position of the benzothiazyl nucleus, and C_nH_{2n} is a member of the group consisting of alkylene, branched alkylene and alkylidene radicals wherein n stands for an integer from 2–5, and the acid addition salts thereof.

2,578,758
RECEIVER ATTACHMENT FOR INSTANTANEOUS DIRECTION FINDERS
Samuel Stiber, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application September 8, 1949, Serial No. 114,632
5 Claims. (Cl. 343—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

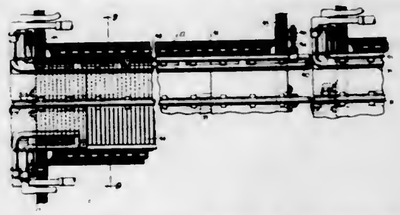


1. In a radio directive system for locating the source of radio waves, a pair of loop antennas arranged at right angles relative to each other, one end of each of said pair being connected directly to ground, the other end of each of said pair being effectively connected to ground through the stray capacity inherent in said system whereby each of said loop antennas has a dissymmetrical field pattern, first and second switch means, the ends of one of said loops being connected to ground through the first of said switch means at a first predetermined rate, the ends of the other of said loops being connected to ground through the second of said switch means at a second predetermined rate, a receiver having an input circuit and an output circuit, a conductor connecting one end of said input circuit to the midpoint of each of said loop antennas, the other end of said input circuit being connected to ground, first and second integrating circuits connected to the output of said receiver and operatively functioning at said first and second switching rates, and indicating means connected to the outputs of said integrating circuits whereby the location of said source is instantaneously indicated by said indicating means.

2,578,759
PROCESS OF PREPARING POLYCARBOXYLATED NAPHTHALENE DERIVATIVES
James M. Straley and Clyde W. Wayman, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 27, 1950, Serial No. 140,948
9 Claims. (Cl. 260—342)

1. A process for the oxidation of bridged naphthalene compounds to polycarboxylated naphthalene derivatives, which comprises charging a reaction unit with a catalyst solution essentially comprised of a lower aliphatic acid containing cobalt ions therein, said catalyst having been activated by contacting a lower aliphatic aldehyde therewith, supplying the bridged naphthalene compound to be oxidized to the reaction unit and into contact with the catalyst, also substantially simultaneously and continuously supplying an oxygen-containing gas into contact with the bridged naphthalene compound and the catalyst solution and also supplying a lower aliphatic aldehyde to the oxidation, maintaining the temperature of the reaction between 50° C.–120° C. whereby the bridged naphthalene compound is to a substantial extent oxidized to a polycarboxylated naphthalene derivative.

2,578,760
ELECTRIC FURNACE AND STOCK FEEDING MEANS THEREFOR
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application January 16, 1948, Serial No. 2,614
3 Claims. (Cl. 219—47)

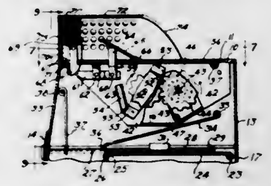


1. An electric heating furnace comprising an induction heating coil, workpiece guide rails within said coil, refractory lining outside said rails within the coil, a cooling tube nearer said coil than said rails, and a heat shield of extensive area thermally connected to said tube within said coil, said shield being formed of a material of high heat conductivity.

2,578,761
ALKANOLAMINE SALTS OF SULFAQUINOXALINE
Roger S. Sweet, Highland Park, and William L. Benson, Woodbridge, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 7, 1950, Serial No. 142,932
5 Claims. (Cl. 260—239.65)

1. An alkamine salt of sulfaquinoxaline selected from the group consisting of the ethanolamine, diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol salts of sulfaquinoxaline.

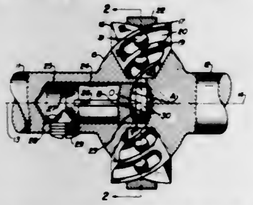
2,578,762
ANIMAL TRAP
Edward Torgeson, Grygla, Minn.
Application October 17, 1946, Serial No. 703,923
9 Claims. (Cl. 43—73)



9. A trap comprising a base plate having an opening therein, a trap door hinged to said plate

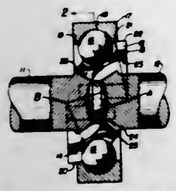
and normally closing the opening, a supporting bracket carried by said base plate, means pivotally mounted on said bracket normally retaining the trap door in a closed position, a plunger slidably carried by the trap door, means carried by said plunger engaging said first mentioned means to actuate the latter as the plunger is urged in one direction, means carried by the trap door for moving the plunger, a rotatable cross arm underlying the trap door, spring means acting on said cross arm and constituting a means for rotating the cross arm, means restricting rotation of said cross arm until the trap door is released from its normal position, and means carried by the trap door acting on said last mentioned means to prevent rotation of said cross arm for raising the trap door to a closed position engaged by said first mentioned means.

2,578,763
CONSTANT VELOCITY UNIVERSAL JOINT
Nikola Trbojevich, Cleveland, Ohio
Application March 11, 1946, Serial No. 653,602
2 Claims. (Cl. 64—21)



1. A universal joint comprising a driving and a driven element each having a distinct spherical center, a plurality of spherically formed projections extending from each element, a plurality of circular grooves concentric with the said center formed in each side of each projection, a plurality of balls interposed between the said projections into the said grooves to form therewith a plurality of concentric rings, a biconvex disk contacting the said elements at their inner circumference and a slidable outer ring contacting the same at their outer circumference in which the said disk has two spherical contact surfaces at its two sides drawn from two predetermined centers.

2,578,764
CONSTANT VELOCITY UNIVERSAL JOINT
Nikola Trbojevich, Cleveland, Ohio
Application March 11, 1946, Serial No. 653,603
2 Claims. (Cl. 64—21)



1. A universal joint comprising two rotatable shaft members, a plurality of intermeshing projections in each shaft, two circular grooves in each projection, one on each side thereof, a spherical bearing concentric with the said grooves in each shaft, a plurality of balls in the said grooves, a relatively movable outer ring member and a similarly movable inner biconvex disk member, in which the arrangement is such that each ball is contacted in three planes by means of two cooperating grooves and the said ring and in which the said inner member contacts the said two bearings in such a manner that the respective centers of the said grooves are at a fixed predetermined distance from each other in all angular positions of the said shafts.

2,578,765
CAULKING GUN
William Wallace, Lakewood, Ohio
Application October 17, 1947, Serial No. 780,371
2 Claims. (Cl. 18—3.5)



1. A caulking gun comprising, a tubular barrel of substantially constant diameter; a manually operated plunger reciprocable in the barrel for drawing in and forcing out caulking compound from one end of the barrel; and a nozzle member having one end adapted to slidingly receive a portion of the barrel at said end, the inside diameter of said nozzle member being gradually reduced commencing at a point inwardly from said one end thereof whereby the nozzle may be secured on said barrel solely by friction between the outer end surface of the barrel and the tapered inner wall of the nozzle.

2,578,766
VENETIAN BLIND
Brooks Walker, Piedmont, Calif.
Application January 12, 1948, Serial No. 1,720
5 Claims. (Cl. 160—173)

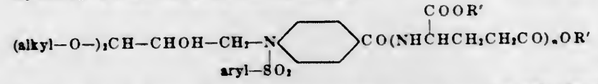


1. In combination a Venetian blind having Venetian blind slats and a flexible ladder tape for supporting said slats in spaced relationship, said ladder tape having cross rungs, a lifting cord passing near the edge of said slats and adjacent to

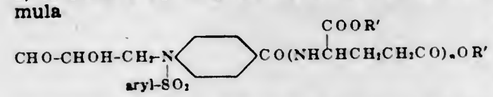
cross members of said ladder tape on which said slats are supported and detachable means for slidably securing said lifting cord to said cross rungs at various points throughout the length of the ladder tape, said detachable means including a slip ring on said lifting cord and a clip carried by said cross rung detachably engaging said ring, all said cross rungs being located on one side only of said lifting cord.

2,578,767
FOLIC ACID INTERMEDIATES
David I. Weisblat, Barney J. Magerlein, and Arthur R. Hanze, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application December 3, 1948, Serial No. 63,454
40 Claims. (Cl. 260—251.5)

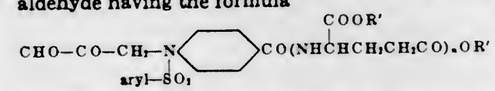
29. The method which includes: hydrolyzing a hydroxy acetal having the formula



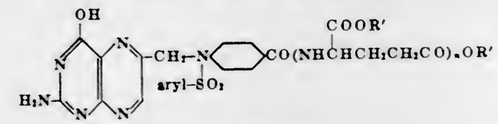
wherein R′ is from the group consisting of hydrogen and the alkyl radicals and *n* is from the group consisting of zero and the positive integer 1, to form a hydroxy aldehyde having the formula



oxidizing the hydroxy aldehyde to form a keto aldehyde having the formula



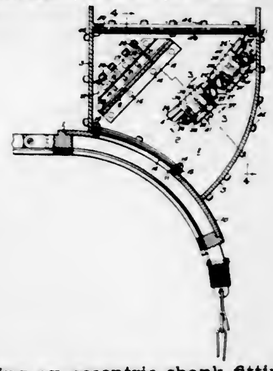
and, subsequently, reacting the latter compound with 2,4,5 - triamino - 6 - hydroxypyrimidine to form a compound having the formula



R′ and *n* having the values given.

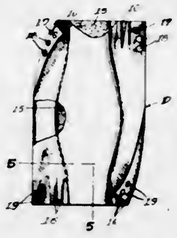
2,578,768
MIRROR MOUNTING FOR OPTICAL INSTRUMENTS AND FINE ANGULAR ADJUSTMENT MEANS THEREFOR
William L. Whitson, Oak Ridge, Tenn., assignor to the United States of America as represented by the Secretary of War
Original application August 18, 1945, Serial No. 611,435, now Patent No. 2,486,453, dated November 1, 1949. Divided and this application April 4, 1949, Serial No. 85,402
1 Claim. (Cl. 88—96)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a mounting for a plane reflector for an optical instrument, a base, a bracket having a pivot hole, a first slot radial of said hole and a second arcuate slot concentric of said hole, a pivot pin fitting said hole and secured to said base to pivotally mount said bracket about a first axis normal to said base, a head journaled in said base



and having an eccentric shank fitting said first slot to adjust said bracket about said first axis, a set screw passing through said arcuate slot and threaded into said bracket to clamp said bracket in adjusted position on said base, said bracket having an upstanding extension and an upwardly-facing channel generally parallel with said base, an upper block having a channel, means mounting said upper block on said extension and operable to adjust the same toward and from said extension, a plane mirror having its opposite edges received in said channels respectively, said mounting means being operable to adjust said mirror about second axis generally coincident with its lower edge and normal to said first axis.

2,578,769
NETHER GARMENT FOR BABIES
Norma M. Wurster, Hobart, Ind.
Application April 5, 1948, Serial No. 19,137
2 Claims. (Cl. 128—284)



1. In a nether garment for infants, a body formed of two elongated panels secured together along the longitudinal side edges thereof, an absorbent pad housed between said panels and removable therefrom through either of the unsecured transverse ends of the body for replacement, said body being foldable at its transverse center for application to the infant and having several closely spaced and longitudinally extending pleats formed in its transverse end edge portions adjacent the corners thereof to allow the snug fit of said edge portions about the waist of the infant, and separable fastenings carried at the corners of the body which are foldable one over the other for the engagement of the complemental parts of said fastening with each other to secure the garment in place.

2,578,770

COATING COMPOSITION AND POLYSTYRENE SURFACE COATED THEREWITH

Luther L. Yaeger, Hammond, Ind., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland

No Drawing. Application February 21, 1947, Serial No. 730,207
5 Claims. (Cl. 260—17)

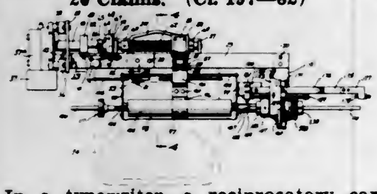
3. A coating composition comprising as essential ingredients, a film-forming polymerizable ester of an aliphatic alcohol and an aromatic polycarboxylic acid, an ester of cellulose with an organic acid having less than 7 carbon atoms, and a solvent for the said substances consisting essentially of from 15–35% of a nitro aliphatic hydrocarbon having less than 4 carbon atoms, from 5 to 20% of an aliphatic alcohol having less than 4 carbon atoms, from 7 to 30% of a solvent selected from the group consisting of diethyl ketone, methyl isobutyl ketone, acetone, and methyl ethyl ketone, and aliphatic esters having a boiling point less than 130° C., and from 20–40% of a solvent selected from the group consisting of methyl, ethyl and propyl lactate, diacetone alcohol, glycol ethers and esters.

2,578,771

TYPEWRITER FOR WRITING CONTINUOUSLY IN OPPOSITE DIRECTIONS

George Zint, Wapakoneta, Ohio

Application October 28, 1948, Serial No. 57,058
20 Claims. (Cl. 197—82)



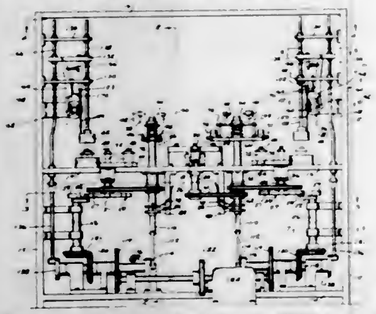
2. In a typewriter, a reciprocatory carriage carrying a rotatable platen, power driven means for continuously reciprocating said carriage from left to right and from right to left at a constant speed and an audible signaling means operating in timed relation with the movement of the carriage to indicate its speed of longitudinal travel.

2,578,772

CONTAINER CAPPING MACHINE

Howard R. Ames, Lomita, Calif.

Application October 17, 1949, Serial No. 121,746
4 Claims. (Cl. 226—80)



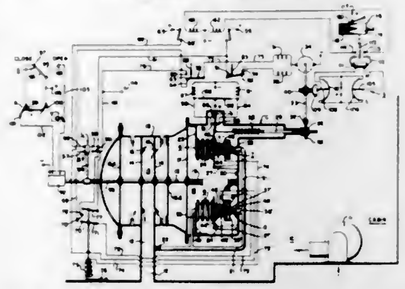
1. In a container capping machine, a plural number of revolvable tables, one of said tables being adapted to receive and convey container caps from a point of supply thereof, and the other of said tables being adapted to receive and convey open containers from a point of supply thereof, said second mentioned table having a container cap support pedestal thereon in spaced relationship to a container thereon, and an electro-magnet, said electro-magnet being revolvable and adapted to magnetically lift a container cap from the first mentioned table for subsequent deposit upon said pedestal, and a presser-head, said presser-head being adapted in timed sequence with rotation of the second table to be lowered into pressure contact with a container cap upon said pedestal and subsequently raised in clearance of said pedestal and then lowered for pressurizing upon said container.

2,578,773

CONTROL FOR CABIN PRESSURE REGULATORS

Robert A. Arthur, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California

Application April 20, 1948, Serial No. 22,196
23 Claims. (Cl. 98—1.5)



1. In apparatus for controlling the pressure of air in an aircraft cabin or compartment having at least one opening for the flow of air, which flow determines the said pressure, the combination of: airflow means adjustable so as to effect different flows of air through said opening and thereby produce different pressures in said cabin; control means for said airflow means operating to adjust said airflow means so as to effect through said airflow means a desired pressure of air in the cabin, said control means having control parts of adjustable correlation, the instant correlation of said parts determining the instant adjustment of said airflow means; adjusting means operative to change the correlation of said control parts so as to obtain a different adjustment of said airflow means; an overriding control having means sensitive to air pressure and being operative to bring the instant correlation of said control parts into a condition of correspondence with ambient air pressure; a control member operative independently of said adjusting means and being movable between first and second position; and means operating in response to movement of said control member into the first position thereof to render said overriding control means inactive and operating in response to movement of said control member into said second position thereof to effect operation of said overriding control.

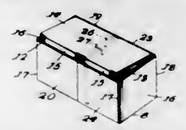
2,578,774

HEAVY-DUTY FIBER CONTAINER

Samuel P. Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia

Application August 10, 1948, Serial No. 43,487
1 Claim. (Cl. 229—27)

A foldable heavy duty fiber container formed from a substantially rectangular blank, said blank being scored and slit so as to provide, when assembled for use, a bottom wall, side walls integral therewith and extending upwardly at right angles thereto, a cover member having the length and width of the container integral with each side wall and adapted to fold one on the other when closed, said side walls having slots located midway between the ends of the container and extending from the bottom wall upwardly to the top of the side walls, end walls formed integral with the bottom wall and extending upwardly therefrom at right angles to the bottom wall, said end walls being of substantially the same width as the bottom wall, half side walls formed integral with the sides of each end wall and extending along the side walls in close parallel relation therewith to



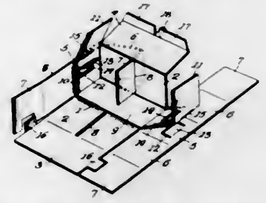
the longitudinal center of the container, and partition members formed integral with each half side wall and adapted to extend through the slots of the side walls, said partition members being dimensioned so as to extend from one side member to the other and from top to bottom of the container, means for securing said partition members together in face contact relation for locking the half side walls in fixed position relative to the side walls of the container and for forming a rigid four ply central partition extending from side to side and from bottom to top of the container for forming two substantially identical cells of equal capacity and for supporting said cover.

2,578,775

HEAVY-DUTY FIBER CONTAINER

Samuel P. Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia

Application June 17, 1949, Serial No. 99,817
1 Claim. (Cl. 229—23)



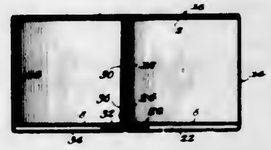
A foldable heavy duty fiber container comprising a bottom, side, and end walls formed integrally therewith, each side wall having a slot midway the ends thereof and extending upwardly from the bottom wall to the top of the side wall, half side wall members formed integrally with the sides of the end walls and extending along the outer faces of the first named side walls and from the bottom to the top thereof for reenforcing the same, partition walls formed integrally with the ends of the half side walls and adapted to extend through the slots in the side walls into overlapped relation in the body of the container, said partitions extending from the bottom to the top of the container for forming two substantially identical cells of equal capacity, means for joining said partition walls into a rigid structure connecting the rear wall and side wall of the container, a cover member formed integrally with the rear side wall, and a reinforcing bottom panel extending from end to end and side to side of the bottom wall and disposed beneath said partition walls, said panel at the ends thereof having integral reenforcing end walls extending upwardly to the upper end thereof, said reenforcing end walls having formed integrally with the upper end thereof, a third reenforcing end wall extending downwardly to the bottom of the container, each end wall having a rectangular hand hold and each adjacent reenforcing end wall having a similarly shaped hand hold, the opening in the end wall being cut so as to provide a flap integral with the upper edge of the hand hold and adapted to be folded through the opening in the adjacent reenforcing wall so as to lie flat against the inner face thereof, the inner reenforcing end wall being adapted to cover the hand hold and protect the contents of the container from engagement with the hand of the operator.

2,578,776

HEAVY-DUTY FIBER CONTAINER

Samuel P. Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia

Application March 1, 1950, Serial No. 147,007
3 Claims. (Cl. 229—16)



2. A foldable heavy duty container formed from a substantially rectangular blank, said blank being scored and slit so as to provide when assembled for use a container comprising a bottom wall, front, rear and end walls integral therewith, said front and rear walls having slots extending upwardly from the bottom wall and disposed midway between the ends of said walls, front and rear half side wall sections formed integrally with each end wall, a partition member formed integrally with each rear wall half section, said partition members extending through the slot in the rear wall and having flaps extending through the slot in the front wall, said flaps being folded flat against the outer face of the front wall and held firmly against said front wall by the front half side wall sections, each front half section having a flap adapted to extend through the slot in the front wall and between said partition members.

2,578,777

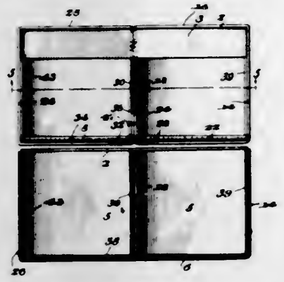
HEAVY-DUTY FIBER CONTAINER

Samuel P. Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia

Application March 1, 1950, Serial No. 147,008
3 Claims. (Cl. 229—16)

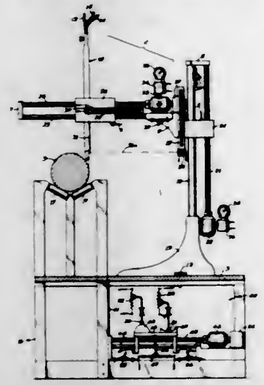
2. A foldable heavy duty container formed from two substantially rectangular blanks, said blanks being scored and slit so as to provide when assembled for use a container having a double bottom wall, double front and rear side walls, double end walls and a double partition wall integral with the outer members of the rear side wall and having flaps extending through a slot in the inner member of the front side wall, said flaps being folded so as to lie between the inner

and outer members of said front wall, said outer member of the front wall being formed of half sections, each of which is provided with a flap adapted to extend through the slot in the inner



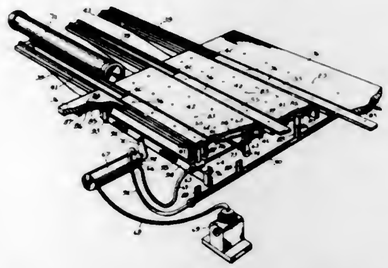
member of the front wall and between the members of the partition wall, and means for joining the partition walls and the flaps for rigidly holding the container in assembled condition.

2,578,778
CONTROL SYSTEM FOR BILLET CUTTING MACHINES
John L. Biach, Cranford, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application July 21, 1948, Serial No. 39,930
18 Claims. (Cl. 266—23)



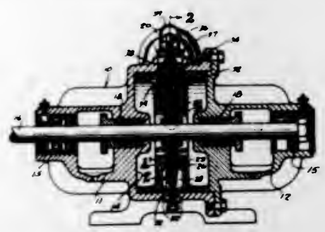
1. In combination with a billet cutting machine including a plurality of supporting standards, cutting torches supported by torch-carriages movable on said standards vertically and horizontally, drive means for moving said carriages in each of said directions, unitary control means actuating all of said drive means simultaneously and billet support means for holding a billet in cutting relation to said torches, an automatic control system which includes photoelectric cells movable with said carriages and arranged so that one cell receives light from said billet only in a vertical direction and another cell receives light from said billet only in horizontal direction, control circuits actuated in response to said photoelectric cells for automatically stopping the movement of each torch-carriage when the tip of its torch arrives at a preselected position with respect to said billet, and control means causing automatic resumption of movement of all of said torches after the last thereof has arrived at its said preselected position.

2,578,779
FEEDING MECHANISM FOR PRINTING MACHINES
James A. Black, Grand Rapids, Mich.
Application May 2, 1947, Serial No. 745,411
10 Claims. (Cl. 271—54)



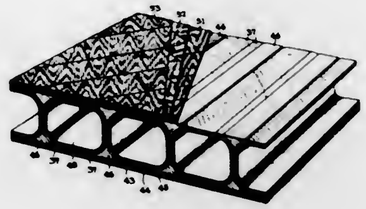
4. In a machine of the class described: a work-supporting member having a work-processing surface provided with a plurality of apertures and an aeriform fluid chamber therein communicating with said apertures; means for feeding work to said work-processing surface; and means for exhausting the aeriform fluid from said chamber to maintain by suction the work in supported position on the apertured work-processing surface during the processing thereof, the apertured work-processing surface being substantially coextensive with the work whereby the entire work is so maintained in supported position during processing.

2,578,780
ROTARY PUMP SEAL
Clark D. Bower, Pomona, Calif., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application September 20, 1946, Serial No. 698,228
4 Claims. (Cl. 103—83)



1. In a rotary pump, a casing structure including casing portions having cooperating inner and outer annular lands serving to define therebetween an annular pressure developing channel, said casing structure having an inlet and an outlet each open to said channel, and providing recesses in the casing portions, extending radially thereof in the zone of the casing structure between said inlet and outlet, a rotor having marginal brackets operative in said channel and opposite side faces in close running clearance with the inner lands of said casing portions, and a fluid leakage and by-pass stop comprising partition means received in said recesses in the casing portions and extending radially of the pump across said inner and outer lands and the channel, and closely embracing the rotor periphery, the sides of the buckets and said rotor side faces.

2,578,781
MANUFACTURE OF PLYWOOD
Roy Samuel Brundige, Los Angeles, Calif.
Application January 18, 1945, Serial No. 573,376
10 Claims. (Cl. 20—91)

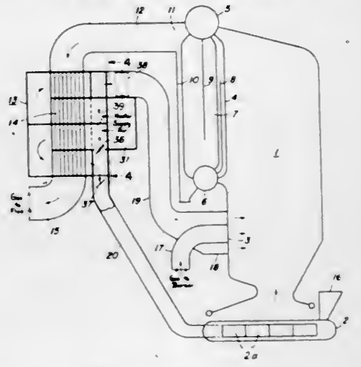


1. The method of producing cellular plywood which consists in wrapping each of a series of elongated expansible forms with metal foil; coating said foil with adhesive; assembling over the series of expansible forms a series of mating plywood channel units each unit made up with adhesive between plies and on the surface of the unit, which units coact to form tubular units; assembling the tubular units side by side and in contact with the expansible forms in place, between facing units of sheet material; sustaining the facing units against separation; expanding said expansible forms causing said adhesive to set; and thereafter contracting and withdrawing the expansible forms, leaving the foil as an adhering coating.

2,578,782
ELECTROMAGNETIC RECORDER WIRE AND METHOD OF MAKING IT
Charles H. Campbell, Bedford, Ronald E. Griffiths, Cleveland Heights, and Willis T. Cramer, Rocky River, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application November 4, 1948, Serial No. 58,362
3 Claims. (Cl. 148—12)

1. In a method of making wire suitable for electro-magnetic recording, the steps including hot-rolling steel containing from 8 to 12% nickel, 17 to 20% chromium, from .06 to .12% carbon and the remainder substantially iron, to the form of a rod, alternately annealing and cold-drawing the rod in a plurality of steps to a wire having a substantially meta-stable austenitic structure and a diameter between .020" and .008", annealing the resulting wire at a temperature of from 1500° F. to 1850° F., effecting a total reduction in the sectional area of the wire of at least 70% by cold-drawing the wire in from ten to seventeen drafts, maintaining the wire during the last-mentioned cold-drawing in a medium at a temperature between 115 and 190° F., and finishing at a diameter of .006" to .003" thereby producing wire having a fine precipitation of chromium-iron carbide and ferrite dispersed throughout its austenitic matrix, and having in its finished state a coercive force between 160 and 450 oersteds and a residual induction between 1500 and 6000 gausses.

2,578,783
COMBUSTION GAS HEATER APPARATUS FOR MULTITEMPERATURE AIR SUPPLY FOR FURNACES
John H. Cruise, Linden, N. J., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application February 5, 1948, Serial No. 6,469
4 Claims. (Cl. 110—56)

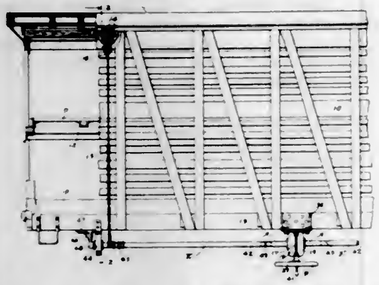


1. In a heat exchanger, the combination of a chamber, a plurality of conduits extending lengthwise therethrough, means for flowing a heating gas through said conduits from the gas-entering or high-temperature end of the chamber to the gas-exit or reduced-temperature end thereof, a plurality of baffles spacedly positioned between the two chamber ends to form within the chamber a plurality of transverse passes serially extending back and forth across the exterior surfaces of said conduits, an inlet duct for directing air to be heated into each of an intermediate pair of said transverse passes remote from the transverse passes at the extreme chamber ends and substantially midway therebetween along the conduit lengths, partition means between the two passes in said inlet pair for causing a portion of said incoming air to flow from said intermediate inlet through a first series of chamber passes leading to said high-temperature chamber end and another portion of the incoming air to flow from the inlet through a second series of chamber passes leading to said reduced-temperature chamber end, a first outlet duct connected to the extreme-end pass at said high-temperature chamber end to take therefrom air that is heated to the highest temperature, a second outlet duct connected to the extreme-end pass at said reduced-temperature chamber end to take therefrom air that is heated to a lower temperature, and means for at times by passing a portion of the lower-temperature air from said second outlet duct into the high-temperature air in said first outlet duct.

2,578,784
WORM GEARING
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 3, 1947, Serial No. 731,904
1 Claim. (Cl. 74—425)

In a chain winding mechanism for the hoisting chain means of the upper deck of a railway car, the combination with a rotatably supported chain winding shaft on said car extending lengthwise of the same; of a manually actuated worm gear mechanism for rotating said shaft mounted on the car, said mechanism including a worm wheel

with which said shaft and worm wheel are rotatable in unison, said shaft having a freely slidable slot and key connection with said worm wheel to permit lengthwise displacement of said shaft relative to the wheel; and fixed abutment means on the car engaging opposite ends of said shaft to oppose lengthwise displacement of the same.

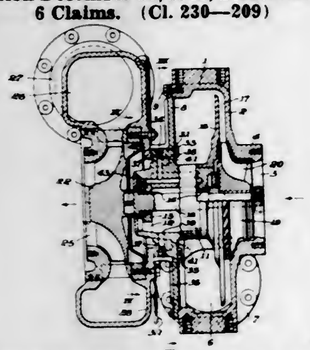


2,578,785

AIR-COOLED TURBOCHARGER

Hunt Davis, Pittsburgh, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania

Application December 20, 1949, Serial No. 134,014
6 Claims. (Cl. 230—209)



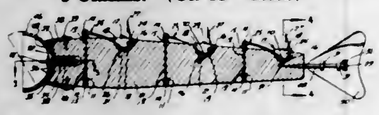
1. A supercharger comprising a compressor casing and a turbine casing disposed in axial alignment with each other, said casings having inner end walls that are spaced apart and provided with central openings, an annular web concentric with the axis of said casings and connecting said end walls together adjacent said openings, a bearing housing projecting from opposite sides of the inner end wall of the compressor casing inside said web and spaced a short distance from the web and the inner end wall of the turbine casing, said end wall of the compressor casing between the web and bearing housing being provided with circumferentially spaced air passages, a shaft rotatably mounted in the bearing housing, and an impeller and a turbine rotor in said casings rigidly mounted on opposite ends of the shaft.

2,578,786

FISH LURE

George W. Davis, Gibson City, Ill.

Application July 15, 1949, Serial No. 104,857
3 Claims. (Cl. 43—42.22)



1. A fish lure, comprising a body portion having a concave recess in its forward end and a longitudinal opening formed in the bottom of the concave recess, a fish hook connected with the body portion for catching the fish, a stationary concave disc mounted within the concave recess and having a central opening leading into the longitudinal opening and a plurality of apertures in its forward face, an adjustable concave disc seated upon the stationary disc and having a radial slot and a bead, a pin disposed within the longitudinal opening and extending through the central opening of the stationary disc and slot of the adjustable disc and having a line attaching eye forwardly of the adjustable disc, and a spring arranged within the longitudinal opening and connected with the pin, and serving to urge the pin inwardly for clamping the adjustable disc against the stationary disc, the bead being adapted to enter any one of the apertures of the stationary disc to effect the universal adjustment of the adjustable disc.

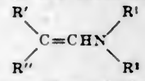
2,578,787

REDUCTION OF ENAMINES

Peter L. de Benneville, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application April 9, 1949, Serial No. 86,595
10 Claims. (Cl. 260—247)

1. A process of preparing tertiary amines which comprises reacting together below 100° C., with liberation of carbon dioxide, formic acid and an enamine of the formula



wherein R′ is a member of the class consisting of hydrogen and aliphatic hydrocarbon groups of not over four carbon atoms, R″ is a member of the class consisting of hydrocarbon groups, alkoxyalkyl groups, and phenoxyalkyl groups of not over fourteen carbon atoms, R^1 and R^2 are members of the class consisting of hydrocarbon groups joined to nitrogen at a non-aromatic carbon atom thereof and hydroxyalkyl groups when R^1 and R^2 are taken individually and when taken together the saturated divalent chains $—CH_2CH_2CH_2CH_2—$, $—CH_2CH_2CH_2CH_2CH_2—$, $—CH_2CH_2OCH_2CH_2—$ and $—CH_2CH_2SCH_2CH_2—$ which form a heterocycle with the nitrogen.

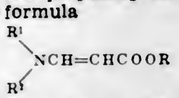
2,578,788

PREPARATION OF β-TERTIARY AMINO-ACRYLIC ESTERS FROM ALKOXY-ACRYLIC ESTERS

Peter L. de Benneville, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 13, 1949, Serial No. 93,196
7 Claims. (Cl. 260—247.2)

1. A method for preparing tertiary β-aminoacrylates of the formula



which comprises mixing together and reacting between 25° and 125° C. a secondary monoamine of the formula



and an ether acrylate

ROCH=CHCOOR

wherein R is a hydrocarbon group having at least one hydrogen on the carbon atom thereof at which the said group is attached to oxygen, R^1 as an individual group is a member of the class consisting of methyl, ethyl, and hydroxyethyl groups, R^2 as an individual group is a member of the class consisting of the hydroxyethyl group and alkyl groups of not over 12 carbon atoms, and R^1 and R^2 when taken together form a member of the class consisting of the saturated divalent groups

$—CH_2CH_2CH_2CH_2—$, $—CH_2CH_2CH_2CH_2CH_2—$
$—CH_2CH_2OCH_2CH_2—$, and $—CH_2CH_2SCH_2CH_2—$

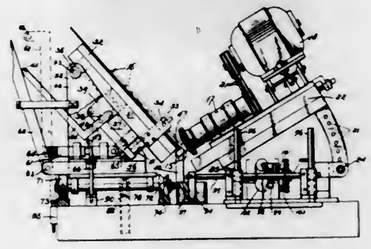
which jointly with the nitrogen form a heterocycle.

2,578,789

GLASS BEVELING APPARATUS

John Fenlon Donnelly, Holland, Mich.

Application October 4, 1948, Serial No. 52,707
7 Claims. (Cl. 51—110)



1. Glass beveling apparatus comprising in combination a glass holding assembly having a glass positioning member adapted to engage the face of the glass to be beveled to position the glass by reference to the face to be beveled, a plurality of small diameter balance grinding wheels having their flat grinding faces arranged in co-planar relationship and above the surface to be beveled, wheel supporting bearings located above said surface to position the axes of said wheels substantially in line with the bevel so that the wheels contact with the glass along their respective diameters, the balance of said grinding wheels reducing the vibration to the point where a plurality of said wheels may simultaneously grind a bevel on the glass without danger of breakage, means for movably supporting said assembly to raise and lower the glass into and out of engagement with said wheels, means for moving said assembly forward to carry the glass across said grinding wheels and to return the assembly to initial position after the grinding operation, an edge locating stop offset from the edge of the glass when in grinding position locating the edge of the glass in said assembly when said assembly is lowered out of operative engagement with said wheels.

2,578,790

FROTH FLOTATION OF FERRUGINOUS IMPURITIES FROM FINELY DIVIDED GRANITE ROCK

James B. Duke, Medulla, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application May 7, 1951, Serial No. 225,064
20 Claims. (Cl. 209—166)

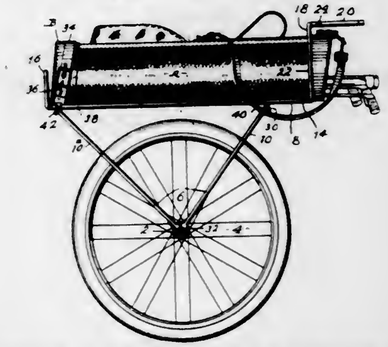
1. The method of removing ferruginous impurities from materials of the feldspar and feldspathoid groups, which comprises conditioning an aqueous pulp of said finely divided material with cooperating agents consisting of an unsaponifiable oil, both a cationic-active nitrogenous compound containing an aliphatic group having from 7 to 19 carbon atoms and an anionic-active fatty-acid compound containing a hydrocarbon radical of at least 12 carbon atoms, and a frothing agent, and subjecting the thus conditioned pulp to a froth-flotation treatment thereby producing a ferruginous froth which is discarded, leaving the residue as the product which has a low iron content.

2,578,791

WHEELED CARRIER FOR GOLF CLUBS

George H. Eastin, Kansas City, Mo.

Application June 23, 1947, Serial No. 756,533
1 Claim. (Cl. 280—58)



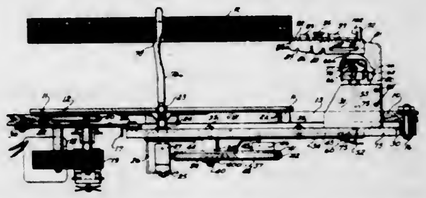
A vehicle of the class described comprising a wheel, a shaft on which said wheel is mounted, a lower frame mounted on said shaft, an upper frame superimposed on said lower frame and comprising resilient longitudinal bars arranged above the wheel and extending at one end beyond said lower frame whereby said extended end portions may be resiliently separated, the extended end portions of said rods being turned upwardly to form in combination a loop, the opposite sides of said loop being straight and converging upwardly to encompass a golf bag carried on said upper frame, and adjustable means for drawing the upper end portions of said rods together, whereby said converging rods urge said golf bag against said upper frame.

2,578,792

RECORD CHANGER

Willard J. Faulkner, Chicago, Ill., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill., a corporation of Delaware

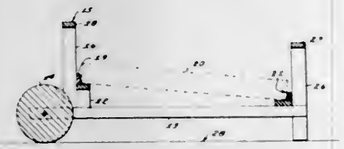
Application September 10, 1943, Serial No. 501,742
15 Claims. (Cl. 274—10)



2. An automatic record player including a main frame, a turntable spindle rotatably sup-

ported on one end of the frame and a turntable carried thereby, a pickup arm support disposed on the other end of the frame and a pickup arm carried thereby, a record support and ejector carried by the main frame, a cam member slidably supported by said frame and having means connecting it to the turntable spindle for reciprocating the same, said cam member having means connecting it to the pickup and pickup arm support to raise and lower and swing the pickup arm, means carried by said pickup arm support arranged for operative connection with the ejector to operate the ejector in timed relation to the pickup arm to eject a record, and means connected to the record support and ejector to return the ejector and rotate the pickup arm support and swing the pickup arm to playing position.

2,578,793
PICKING CART
Frank H. Fujita, Watsonville, Calif.
Application November 18, 1949, Serial No. 128,126
2 Claims. (Cl. 280—58)



1. A picking cart comprising a horizontally disposed frame, a wheel positioned adjacent one end of said frame and rotatably supported thereon for movement along a ground surface, a first vertically disposed support embodying a pair of spaced upstanding posts and a horizontally disposed handle bar connecting the upper ends of said posts arranged rearwardly of said wheel and having the lower ends of said posts fixedly secured to said frame, a second vertically disposed support embodying a pair of spaced upstanding posts and a horizontally disposed handle bar connecting the upper ends of said posts arranged adjacent the other end of said frame and having the posts intermediate the upper and lower ends fixedly secured to said frame with the lower ends of said posts adapted to rest on the ground surface, a first rest positioned transversely of and spaced above said frame rearwardly of said posts of said first support and fixedly supported by said frame, and a second rest positioned above said frame inwardly of said second support and in parallel spaced relation with respect to said first rest and fixedly secured to said frame, said first rest being spaced at a greater distance from said frame than said second named rest, said rests cooperating with each other to support a crate in an inclined position.

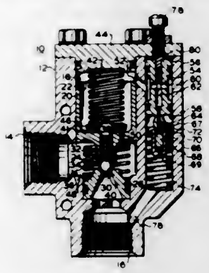
2,578,794
MAGNESIUM-TREATED MALLEABLE IRON
Albert Paul Gagnebin, Red Bank, and Keith Dwight Millis, Rahway, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application September 2, 1949, Serial No. 113,772
7 Claims. (Cl. 148—21.8)

1. In the process for producing malleable iron having improved properties, the improvement which comprises subjecting a white cast iron casting containing about 2.5% to about 3.5% carbon, about 0.4% to about 2.6% silicon, up to 0.3% manganese, about 0.05% to about 0.2% magnesium, less than about 0.02% sulfur, and the balance essentially iron, with the iron being in the alpha



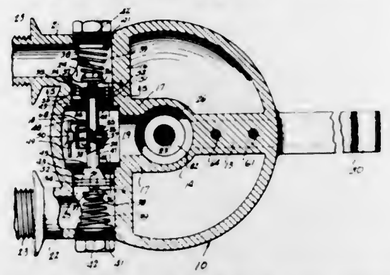
form at atmospheric temperatures, to a malleabilizing heat treatment comprising heating said casting at a temperature of about 1550° F. to about 1800° F. to decompose massive carbides to uncombined carbon whereby graphite in a spheroidal form is produced through the effect of magnesium in the thus-treated casting.

2,578,795
RELIEF VALVE
Duncan B. Gardiner, Detroit, and Ernst F. Klessig, Berkley, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 13, 1948, Serial No. 54,282
5 Claims. (Cl. 137—53)



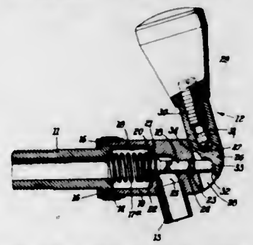
5. A relief valve for use in hydraulic systems comprising a body having a pressure inlet and an exhaust outlet connected by a flow passage interposed within which is a valve seat, a piston shiftably mounted in the body and arranged to form a control chamber and an inlet chamber on opposite sides thereof, means forming a venting port leading from the control chamber adapted to be connected to a pressure responsive pilot relief valve for venting the control chamber, means forming a restriction connecting the pressure inlet to the control chamber, a two headed rod tiltably carried by the piston, one head being shaped as a poppet valve for controlling the valve seat, and resilient means biasing the piston to a position so that the poppet valve closes the valve seat.

2,578,796
THERMOSTATIC CONTROLLED PRESSURE OPERATED MIXING FAUCET
Edgar N. Gillette, Mercedes, Tex.
Application July 14, 1950, Serial No. 173,845
6 Claims. (Cl. 236—12)



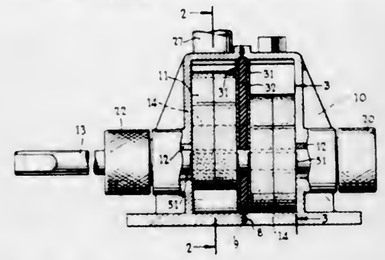
1. A mixing faucet comprising a body having a mixing chamber and a discharge passage leading from said chamber, main valve means connected with the discharge passage for controlling the dispensing of fluid therefrom, the body having axially aligned inlet bores leading into the mixing chamber, a thermostatic spring disposed within the mixing chamber between the aligned bores, manually operated control means connected with the body and engaging the thermostatic spring to change its tension, slotted rotary valve discs mounted within the aligned inlet bores for partially blocking the flow of fluid therefrom into the mixing chamber, a rod connecting the slotted discs and extending into the mixing chamber and connected with the thermostatic spring and rotated thereby, and a pressure responsive non-rotatable spool valve slidably mounted upon the rod connecting the slotted discs and including companion slotted discs which coact with the first named slotted discs to regulate the pressure within the inlet bores, the spool valve being shiftable longitudinally of the inlet bores for controlling the volume of fluid flowing from such bores into the mixing chamber.

2,578,797
LIQUID VALVE
Ralph E. Gordinier, Quakertown, Pa., assignor to Economy Faucet Company, Newark, N. J., a corporation of New Jersey
Application October 8, 1947, Serial No. 778,656
2 Claims. (Cl. 251—134)



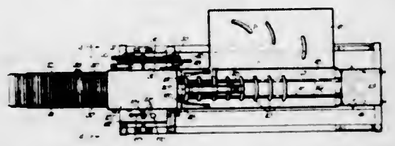
1. In a liquid valve, in combination, a valve body having an opening therein for the passage of liquid therethrough, a valve stem adapted to be positioned with respect to the valve body to open or close the said liquid opening, spring means to urge the valve stem toward its closed position, a manipulating handle to move the valve stem to open position, axially aligned but mutually separable pivot pins bottoming in opposite sides of the valve body and pivotally joining the body with the manipulating handle, said pins, when separated, being adapted to assume binding contact with respect to the body, and thrust means carried by said handle to engage said pins and to separate them into binding contact with the body and to thereby increase the frictional resistance of the pivotal connection.

2,578,798
LIQUID PUMP
Ralph E. Gordinier, Climax, Mich., assignor to Economy Faucet Company, Newark, N. J., a corporation of New Jersey
Application May 12, 1948, Serial No. 26,491
4 Claims. (Cl. 103—132)



1. An impeller for a liquid pump drive including, in combination, a rigid, metallic core; said core including a substantially cylindrical, continuous ring portion conforming with the shape of the impeller, and a pair of identical mated half-casings covering said core, said half-casings being constructed of non-metallic material having different physical properties than the core.

2,578,799
BANDING MACHINE
Victor A. Grey, Chicago, Ill., assignor, by mesne assignments, to Kartridg-Pak Machine Co., Chicago, Ill., a corporation of Illinois
Application March 30, 1945, Serial No. 585,710
10 Claims. (Cl. 93—3)



1. In a machine for automatically banding articles, means for supplying banding material, a platen across which portions of the banding material are adapted to be positioned while being secured together, means for feeding the articles to be banded, means for moving each of the articles into a position beyond the platen with portions of the banding material about the article and other portions of the banding material across the platen, a sealing head which is movable into engagement with the platen behind the article on the interposed portions of the banding material for securing such portions together, a motor for operating the sealing head, and means for stopping the movement of the sealing head in a retracted position when the motor is shut off.

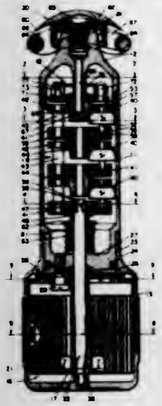
4. In a machine for automatically banding articles, of the type including a banding mechanism, means for supplying banding material to

the mechanism, and a conveyor for feeding the articles to be banded to the mechanism, means engageable with the ends of the articles while on the conveyor for centering the articles on the conveyor prior to their delivery to the banding mechanism, said centering means consisting of a pair of pivoted fingers, and means for moving the free ends of the fingers into engagement with the ends of the articles.

2,578,800
STABILIZATION OF PYROPHORIC IRON
Victor C. Hamister, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application January 21, 1949, Serial No. 72,090
4 Claims. (Cl. 75—0.5)

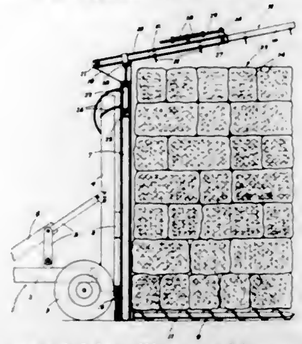
1. The method of stabilizing pyrophoric iron obtained by the reduction of an iron oxide with hydrogen which comprises passing through the reduced iron a mixture of 0.15% to 50% by volume air, remainder inert gas.

2,578,801
EPICYCLIC MECHANISM
Russell P. Harshberger, Altadena, Calif.
Application June 18, 1947, Serial No. 755,405
16 Claims. (Cl. 74—798)



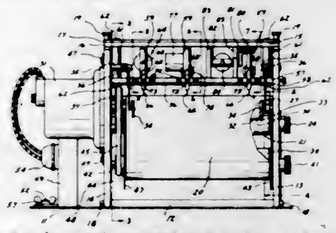
1. In an epicyclic mechanism, a plurality of cooperating longitudinally arranged roller trains having a common axis, each comprising a planet carrier, a planet roller and a sun roller, said planet roller having a shaft rotatable in said carrier and a rolling surface generated by the rotation of a curve about said shaft as an axis, the sun roller of all but the end train being fixed for rotation and longitudinal displacement with the carrier of an adjacent train and being in contact with said planet roller and having a rolling surface generated by the rotation of a curve about its axis of rotation, a stationary enclosing cylindrical surface for each of said trains spaced from the surface of its sun roller, the rolling surfaces of said planet and sun rollers being so contoured as to be adapted to make rolling contact in a plurality of relative positions in certain of which the effective diameter of said planet roller plus the effective radius of said sun roller is greater than the radius of the enclosing cylindrical surface, and means at the ends of said cooperating roller trains to exert opposite forces to wedge the planet rollers of said trains between the sun roller with which it cooperates and said cylindrical surface.

2,578,802
MATERIAL HANDLING INDUSTRIAL TRUCK
Fred C. Heidrick and Joseph A. Heidrick, Woodland, Calif.
Application December 6, 1948, Serial No. 63,666
5 Claims. (Cl. 214—66)



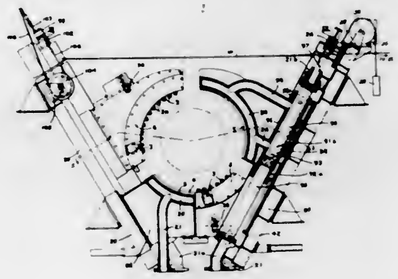
1. A material handling machine comprising a vehicle mounted, vertically adjustable elevator frame, a rigid cross beam at the lower end of the elevator frame, a plurality of screws journaled in connection with the beam and projecting forwardly as a fork assembly, and power means to simultaneously rotate said screws; said power means including a motor on the elevator frame, and an endless drive connected between the screws and motor.

2,578,803
IMPACT RECORDER
Carl Edward Holmberg and Thomas Mungall, Sr., Cleveland, Ohio, assignors to Willard S. Mielziner, Cleveland, Ohio
Application August 18, 1949, Serial No. 110,924
9 Claims. (Cl. 346—7)



1. In an impact recorder having a frame and a paper tape feeding mechanism mounted on said frame, the combination of three pivot axles mounted adjacent each other on said frame, a stylus arm carried by each of said axles in substantially parallel relation and a stylus carried by each arm adapted to mark a record on said tape, the first of said axles carrying a weight thereon in diametric opposition to the first of said arms adapted to swing when subjected to an impulse longitudinal of said frame, the second axle carrying a weight in a right angle relationship to said arm adapted to swing when subjected to an impulse laterally of said frame, a pinion gear mounted on the third of said axles, a segmental gear engaging said pinion, an axle for said segmental gear journalled in said frame in a horizontal plane, a weight mounted on said last named axle adapted to swing when subjected to an impulse vertically of said frame to cause said third arm to move, said arms, weights and axles coacting to produce a complete record of impulses on said tape.

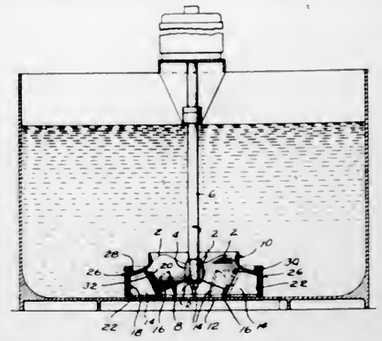
2,578,804
HYDRAULIC-TYPE LOG DEBARKER HAVING CENTRIPETALLY DIRECTED JETS MOUNTED IN CIRCUMFERENTIAL GROUPS RADIALLY ADJUSTABLE FOR DIFFERENT SIZE LOGS
Joseph E. Holveck, Upper Montclair, and Arthur G. Rockwood, Nutley, N. J., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 30, 1946, Serial No. 666,008
36 Claims. (Cl. 144—208)



1. In an apparatus for hydraulically removing bark from logs, a plurality of centripetally directed nozzles annularly arranged in spaced relation so that high-velocity jets of water issuing simultaneously from the nozzles will converge towards the periphery of a log to form in effect a continuous ring of bark-removing water, said spaced nozzles being mounted in sets, certain of said sets of nozzles being mounted for relative movement to different positions in order to accommodate logs of different diameters, means for supplying water under high pressure to said nozzles to produce high velocity jets of water from the nozzles, and manually controlled pressure operated means for moving said movable sets of nozzles to positions to properly direct the high pressure water jets against a log to be debarked.

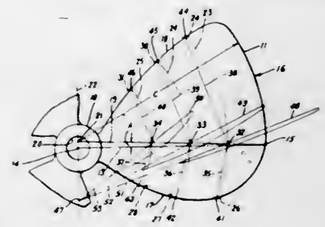
2,578,805
MIXING APPARATUS
John Johnson, deceased, late of Morristown, N. J., by Ethel H. Johnson, executrix, Morristown, N. J., assignor to John E. Johnson, Mount Kemble Lake, Morristown, N. J.
Application December 26, 1944, Serial No. 569,719
5 Claims. (Cl. 259—96)

1. In homogenizing apparatus or the like, the combination with substantially contiguous screens so relatively movable as to bring the openings in each gradually into and out of register with openings in the other, of means for effecting such relative movement and means operating while such relative movement is taking place to drive liquid to be treated through said screen openings when and so long as any parts thereof are in register, including direction changing means between the driving means and the screens for positively directing the driven liquid toward the screen openings in directions substantially normal to the screen surfaces, said relatively movable substantially contiguous screens having tapered passages leading away from at least some of the screen openings in the direction to effect by the relative screen movement the gradual introduction of the liquid or liquids and any other materials suspended therein between the substantially contiguous screen surfaces to



insure attrition of the materials thus brought into rubbing relation to said surfaces.

2,578,806
PROPELLER
Lawrence Johnson, Freeport, N. Y.
Application June 4, 1949, Serial No. 97,257
8 Claims. (Cl. 170—159)

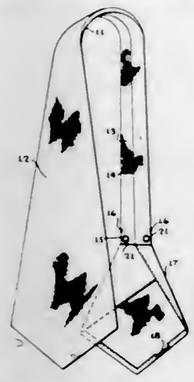


8. In a propeller, a hub and a blade joined thereto and extending outwardly to the propeller circumference, the hub having a central bore therein, the peripheral contour of the blade comprising tip, leading and trailing edges interconnected to form a continuous contour, the tip edge being intersected by the blade's propeller axis extending from the center of the bore to the propeller circumference, the blade having a layout reference line from which points defining said peripheral contour are measured, said layout line extending inwardly from the outer terminal of the propeller axis and intersecting said bore, whereby the said layout line is angularly disposed with respect to the said propeller axis.

2,578,807
COMBINATION NECKTIE AND POCKET HANDKERCHIEF
Robert F. Johnson, Bedford, Va.
Application February 13, 1951, Serial No. 210,647
3 Claims. (Cl. 2—145)

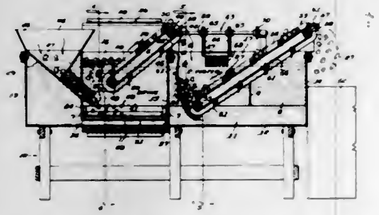
1. A necktie comprising a main drape portion of flexible material, a neckband portion integral with said main drape portion, said neckband including separable flap elements at its free end, an end piece arranged to be received between said separable flap elements, and means detachably securing said end piece to the neckband between said flap elements, said end piece matching the

main drape portion and being adapted to simulate a handkerchief matching the necktie when



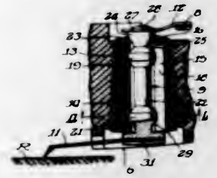
detached from said neckband and placed in the wearer's breast pocket.

2,578,808
POTATO CLEANING AND SEPARATING DEVICE
William J. Johnson and Lewis H. Buckner, Darwin, Calif.
Application April 20, 1949, Serial No. 88,524
2 Claims. (Cl. 209—173)



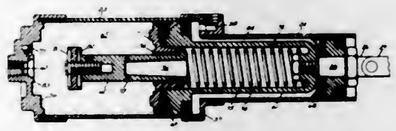
1. In a potato processing device, a frame, a semi-cylindrical tank supported on said frame, said tank having a concave bottom wall and spaced parallel end walls, a partition arranged intermediate the end walls of said tank and secured to said bottom wall to define a first chamber containing brine, and a second chamber containing water, a rotatable drive shaft supported by said frame, a pulley mounted on one end of said drive shaft and adapted to be connected to a power source, a first bevel gear mounted on the other end of said shaft, a plate arranged transversely in said first chamber and cooperating with one of said end walls to provide a supporting assembly, a hopper supported by said assembly for receiving and discharging harvested potatoes into said first chamber, a longitudinally directed inclined conveyor projecting out of said first chamber and located centrally within said chamber for conveying potatoes from the latter to said second chamber, a pair of spaced parallel side walls arranged longitudinally in said first chamber for guiding the potatoes onto said conveyor, a second inclined conveyor projecting out of said second chamber for moving cleaned potatoes out of said second chamber, said second conveyor being longitudinally aligned with said first conveyor, a ramp arranged in said second chamber and positioned between said first and second conveyors for guiding potatoes from said first conveyor onto said second conveyor, a third conveyor including an endless belt having a slack upper run reaching the bottom of the tank for removing detritus from said first chamber, the other run of said belt being exterior of said tank, said third conveyor including a pair of spaced parallel rollers supported on the sides of said tank, said endless belt being arranged transversely of said first chamber and trained over said rollers and mounted for continuous movement through said first chamber, one of said rollers being mounted on said drive shaft, a driven shaft connected to said other roller, and a plurality of spaced angle irons secured to said belt for collecting precipitated detritus from the bottom of said tank and discharging the latter out of said tank.

2,578,809
PHONOGRAPH PICKUP
Arthur L. Ketchum, Park Ridge, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application January 7, 1948, Serial No. 880
12 Claims. (Cl. 179—100.41)



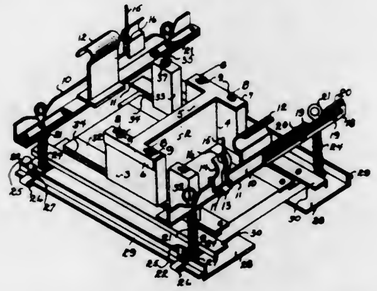
1. In a pickup apparatus for a phonograph record player comprising a base member and translatory apparatus in association therewith including a spindle member; means by which said members are adapted to be coupled to each other comprising, a resilient element between said members, said element including a spindle engageable portion and a base engageable portion, and means providing longitudinal interruptions in the continuity of one of said portions to add flexibility to said portion, said flexibility increasing freedom for motion of said spindle member in respect to said base member.

2,578,810
DOOR OPERATION AND CONTROL
John F. Kilar, Rahway, and John H. Vander Veer, Westfield, N. J., assignors, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass., a corporation of Delaware
Application April 29, 1948, Serial No. 24,072
5 Claims. (Cl. 121—44)



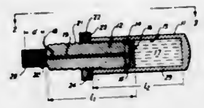
1. In a door operating system of the type including power means for opening and closing the door, said power means including a pair of aligned cylinders, one large, one small, a piston assembly having one end of relatively large diameter for operation in said large cylinder, an opposite end of relatively small diameter, for operation in said small cylinder, and a connecting tubular portion of somewhat less diameter than said small cylinder, for operation partly in one cylinder and partly in the other, a mechanical linkage connecting said piston assembly with the door to be operated, said large cylinder having fluid pressure connections for delivering pressure fluid to said large cylinder on opposite sides of the large end of said piston assembly, means including a valve in one of said fluid pressure connections for controlling admission and exhaust of pressure fluid to said large cylinder on one side of said piston assembly, means for maintaining continuous fluid pressure in the annular space between the wall of said small cylinder and the wall of said connecting tubular portion, by way of said fluid pressure connections, means for moving said valve to a fluid exhausting position and thereby causing said piston to move in the door opening direction, fluid by-pass means including communicating radial and longitudinal passages in said connecting tubular portion of said piston assembly operative during an obstruction-induced interruption of the door's opening movement to cause continuous flow of fluid through said piston assembly in the direction in which the piston assembly was moving at the time of said interruption, to build up pressure in said large cylinder, in advance of said piston assembly, and thereby cause said piston assembly to move more slowly for the remainder of the door opening movement following removal of the obstruction, and a second means responsive to an obstruction-induced interruption of the door's closing movement to move said valve back to the fluid exhausting position and thereby reverse the door's direction of movement.

2,578,811
TWO-MAN GLASS-CUTTING BOARD OR TABLE
John A. Koehler, Miami, Fla.
Application April 25, 1947, Serial No. 743,988
2 Claims. (Cl. 33—32)



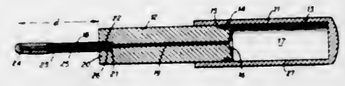
1. In a manually operated glass cutting appliance, the combination with a base board having an I-shaped work guide including a transversely arranged block and two right angle heads one at each end of the block, a similarly shaped holder having a transverse bar resting on the block and angle iron plates resting on the heads for maintaining the block and heads in rigid relation to each other, means passing through said block, heads and holder to retain the same in longitudinal adjusted relation to the base board, a hold down block located adjacent said work guide, means for securing said block in adjusted relation to said work guide, a straight edge having spaced resilient supports, means for adjusting the supports with relation to the work guide, a carrier mounted to travel on the straight edge and a glass cutting tool mounted in the carrier.

2,578,812
INJECTION SYRINGE
Paul Kollsman, New York, N. Y.
Application December 20, 1947, Serial No. 792,991
7 Claims. (Cl. 128—220)



1. An injection syringe comprising, in combination, a barrel member; a plunger member telescopically fitting into said barrel member and forming a variable volume chamber therewith adapted to contain a charge of medicinal fluid, one of said members having a substantially flat front end surface of substantially continuous curvature and free from projections, said surface being of a diameter substantially equal to that of said one member for engaging and resting against the body portion of a patient into which the fluid is to be injected, the other member being adapted to be manually grasped for telescoping movement relatively to said one member; sealing means for sealing the plunger member with respect to the barrel member; a hollow injection needle fixedly mounted in said one member communicating with said chamber, said needle projecting from said front end surface and being of uniform thickness from said surface to the needle point, said surface by resting against the body portion of the patient determining the depth to which the needle is insertable, said other member having a finger grip portion for manual operation of the syringe by pressure exerted at said finger grip portion in the direction of said needle, causing insertion of said needle until said end surface comes to rest against the patient's body and thereafter causing injection of said fluid through said needle by telescoping movement of said members by reason of the resistance to such pressure by said one member bearing against the patient's skin.

2,578,813
DEVICE FOR HYPODERMIC INJECTIONS
Paul Kollsman, New York, N. Y.
Application December 20, 1947, Serial No. 792,993
7 Claims. (Cl. 128—220)



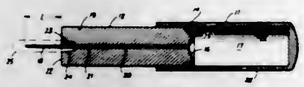
1. A combination ampule and syringe for storing and injecting a predetermined volume of a medicinal fluid comprising, a barrel member; a plunger member movable in said barrel member and forming a variable volume chamber therewith adapted to contain a charge of medicinal fluid; a hollow injection needle mounted in the front end of one of said members, said one member being shaped to provide a tapered sealing surface about said needle; a cap of plastic resiliently deformable material sealing the point of said needle and seating pressure-tightly against said tapered sealing surface about said needle; and a rod in said cap extending through said hollow needle towards said chamber.

2,578,814

DEVICE FOR HYPODERMIC INJECTIONS

Paul Kollsman, New York, N. Y.

Application December 20, 1947, Serial No. 792,994
3 Claims. (Cl. 128—220)



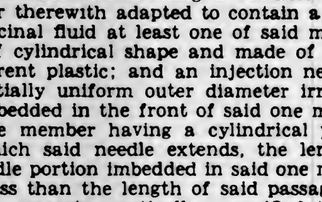
1. A combination ampule and injection syringe for storing and injecting a predetermined volume of medicinal fluid, comprising, a barrel member; a plunger member telescopically movable in said barrel member and forming a variable volume chamber therewith adapted to contain a charge of medicinal fluid at least one of said members being of cylindrical shape and made of a clear transparent plastic; and an injection needle of substantially uniform outer diameter irreplaceably imbedded in the front of said one member, said one member having a cylindrical passage into which said needle extends, the length of the needle portion imbedded in said one member being less than the length of said passage, said passage appearing optically magnified through the body of said one member, said one member further having a funnel-shaped mouth portion at the end of said passage towards said chamber for guiding bubbles in the chamber into said passage when the syringe is held in a substantially vertical position.

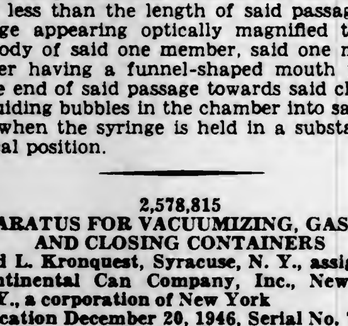
2,578,815

APPARATUS FOR VACUUMIZING, GASSING, AND CLOSING CONTAINERS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

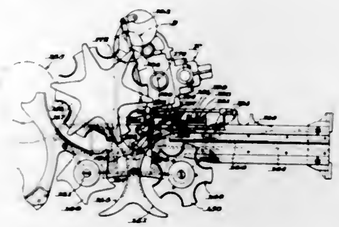
Application December 20, 1946, Serial No. 717,446
27 Claims. (Cl. 226—82)

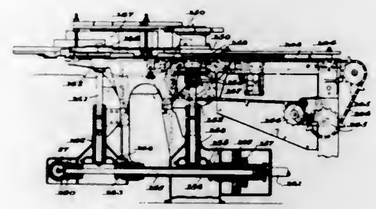


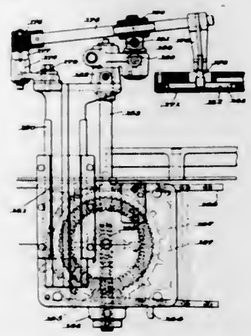


1. A container vacuumizing gassing and closing unit comprising, in combination, a vacuumizing and gassing machine, a closing machine, means for feeding filled containers and closures into the vacuumizing and gassing machine, means for vacuumizing the containers in the vacuumizing and gassing machine, said closures having provision for engaging in and effecting a temporary friction closure of the containers, means in the vacuumizing and gassing machine for bringing about temporary friction closure of the containers after they are vacuumized and gassed, each said machine including a continuously rotating container supporting turret, said turrets being arranged in juxtaposition, and rotary transfer means for transferring over a short path the temporarily closed containers from the vacuumizing and gassing machine turret to the closing machine turret to be permanently sealed thereon.

4. In a container vacuumizing and gassing machine, a rotary turret, a plurality of bells and complementary container supporting pads on the turret, means for bringing the pads and bells together to enclose containers therein, means for gradually and continuously drawing a vacuum up to approximately 28" in the container enclosing bells in a first stage from an individual source, means for continuously drawing a higher vacuum in the partially vacuumized bells and the containers therein in a second stage from an individual source, means for directing an inert gas under pressure into the vacuumized bells and containers, and means for bringing about separation of said bells and pads.







12. In a container vacuumizing apparatus, a bell, a pad for supporting a filled container having a closure loosely resting thereon and including a heel portion dimensioned to have tight friction fit in the container, said bell and pad being adapted to be brought together in a manner for enclosing the container and its closure within the bell, means for lifting the closure from the container enclosed within the bell, means for vacuumizing the uncovered container, and means including a vertically reciprocable member within the bell in position for being engageable with a closure loosely resting on a filled container therein, and means operable from without the bell and in timed relation with the pad lifting means and the vacuumizing means for forcing the closure into tight friction temporary closing contact in the vacuumized container for maintaining the container and closure assembly and the evacuated condition of the container until permanent sealing of the container is effected.

2,578,816

GLYCERIN REFINING

Lyle J. Lofdahl, Omaha, Nebr., and James K. Gunther, Galesburg, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 7, 1949, Serial No. 80,106
8 Claims. (Cl. 260—637)

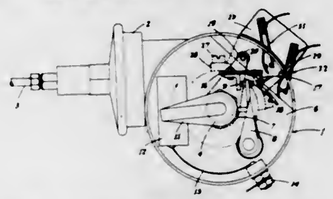
1. A method for removing odor-forming constituents from substantially pure distilled glycerin derived from saponification processes and containing non-volatile odor-forming constituents which comprises adding a small amount of a volatile acid to the said distilled glycerin and steam deodorizing under subatmospheric pressures the mixture so formed to volatilize and remove said odor-forming constituents.

2,578,817

DISTRIBUTOR TIMING INDICATOR

Diamond W. Lum, Sacramento, Calif.

Application December 19, 1949, Serial No. 133,708
16 Claims. (Cl. 177—311)



1. An out-of-time signal device for an internal combustion engine including an adjustable ignition distributor having distributor shaft actuated breaker points, an electric signal, an energizing circuit for the signal, a switch in the circuit, means responsive to actuation of the breaker points arranged to close the switch, a separate switch in the circuit, and means actuated by the distributor shaft arranged to close the separate switch simultaneously with said first named switch only when the distributor is out-of-time.

2,578,818

PUMP ROD CATCHING DEVICE

Harry W. Martin, Taft, Calif.

Application July 2, 1949, Serial No. 102,751
7 Claims. (Cl. 255—28)

1. A safety device for a string of pump rod suspended in a well tubing, comprising a body coupled between adjacent rods of the string, a member on the body normally free running relative to the tubing, said member being formed to expand under conditions of increased fluid pressure in the body whereby to then impose a friction drag on the tubing, and means associated with the body acting in response to a sudden drop



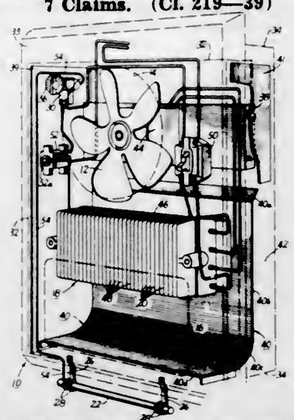
thereof to produce such increased fluid pressure therein.

2,578,819

CONTROLLED ELECTRIC HEATER

Lowell R. Mast, East Rochester, and William T. Craig, Pittsford, N. Y., assignors to Electromode Corporation, Rochester, N. Y.

Application July 13, 1949, Serial No. 104,434
7 Claims. (Cl. 219—39)



1. In heating apparatus for maintaining an enclosure at a predetermined temperature, a casing having a top air inlet and a bottom air outlet, means adjacent said air inlet for drawing air into said apparatus, means intermediate said air inlet and outlet for heating said air, and thermostatic means connected to control said heating means including a temperature sensitive member secured to the bottom of said casing below said air outlet.

2,578,820

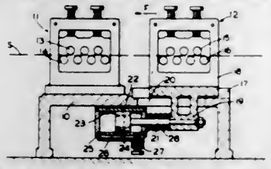
APPARATUS FOR LEVELING OR STRAIGHTENING METAL SHEETS

Eugene Mayer, Strasbourg, France

Application December 23, 1947, Serial No. 793,379
In France March 12, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires March 12, 1960
4 Claims. (Cl. 153—93)

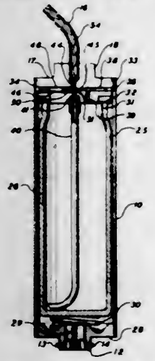
1. An apparatus for straightening metal sheets comprising at least two sets of rollers arranged in tandem, each set consisting of two superimposed horizontal rows of rollers, the rollers of one row being staggered relative to those of the other row and the two sets being positioned near

enough to each other to permit the sheet to be engaged by the rollers of one set prior to being released by the rollers of the other set, a housing supporting the first set of rollers, a housing supporting the second set of rollers, a frame, the first of said housings being secured to said frame and the second of said housings being slidable



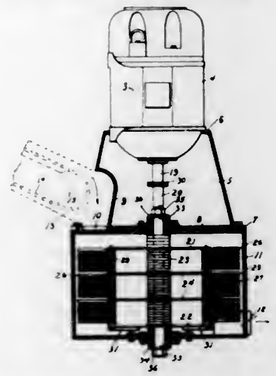
on said frame, power means for rotating rollers of both sets simultaneously but at different speeds, whereby a stretching force is applied to the sheet in the plane of the sheet and the moveable housing is drawn towards the fixed housing whilst the sheet is engaged by and advanced through both sets of rollers at a time, and elastic means opposing the approach of said moveable housing to the fixed housing.

2,578,821
FLUID PROJECTING APPARATUS
Lewis M. McBride, Arcadia, Calif.
Application December 9, 1946, Serial No. 715,050
11 Claims. (Cl. 299—89)



7. A liquid projecting apparatus comprising a reservoir provided with a cap member and a closure at its lower end, a liquid container open at its upper end and closed at its lower end positioned within the reservoir, a helical spring positioned in the reservoir between the bottom thereof and the bottom of the liquid container, so as to force the liquid container to abut against a gasket member provided in the cap member, the cap member being further provided with a circumferential slot, a pair of diametrically opposed radial bores projecting inwardly from said circumferential slot, a vertical bore communicating between the upper end of the container and one of the radial bores, a restricted orifice communicating between the last mentioned radial bore and an eduction tube projecting through the cap member and terminating below the surface of the liquid in the container, a nozzle projecting through the cap member and in communication with the eduction tube, a regulating valve disposed within the eduction tube adjacent the orifice, a source of gas under pressure, and means communicating between the source of gas under pressure and said one of said radial bores.

2,578,822
INCLINED-AXIS HAY MANGLER WITH ROTOR HAVING TWISTED DRAFT BLADES
William Wiley Miner, Jr., Ned Ray, and Roland Owens, Verdon, Nebr.
Application October 8, 1946, Serial No. 701,882
2 Claims. (Cl. 241—186)

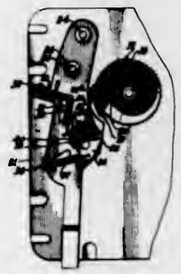


1. In apparatus of the class described, a support; a mangler mounted on said support with its axis inclined to the vertical, said mangler including an imperforate casing having an imperforate peripheral wall, a closed bottom and an open top and having an outlet in said peripheral wall adjacent said bottom; a driven shaft on which is mounted grinding hammer blades which blades are located within said casing; a housing mounted on top of said casing and having a bottom-plate which serves as a top for said casing; bearings on said top and on said closed bottom for said shaft; said housing having an indentation in its side serving as a throat to receive the material to be treated and having an opening in said top adjacent the peripheral wall of said casing and registering with said throat to pass material into said casing adjacent the peripheral wall of the same; and a drive motor resting on said housing and coupled to said shaft.

2,578,823
PREPARATION OF PHENOLS
Vittorio Molinari, Plainfield, and Herbert G. Affholter, Bound Brook, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 8, 1948, Serial No. 48,292
1 Claim. (Cl. 260—628)

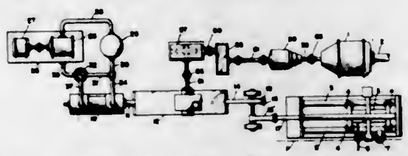
Process for preparing phenol, which comprises feeding concurrently liquid benzene and oleum in substantially molar ratio at a temperature of about 60° to 80° C. for partial conversion into benzene mono-sulfonic acid in the presence of from about 5 to 10 per cent of sodium benzene sulfonate; directing the stream to a separate zone at a temperature of about 150° to 170° C. and passing countercurrently through the mass benzene vapors until a 90 or more per cent monosulfonic acid is formed; neutralizing the sulfonic acid with sodium sulfite at about 105° C., cooling and separating the resulting sodium benzene sulfonate; directing the sulfonate into a mass of melted sodium phenate, discharging the melted mass into a separate zone for passing therethrough dry steam to hydrolyze the melted mass into free phenol and sodium sulfite and to carry off the released phenol; returning the sodium sulfite to the system; condensing the vapors from the hydrolysis, decanting the water-phenol layer of the condensate and drawing off the separated free phenol layer; and reacting the water-phenol layer with the sodium sulfite and lime to form sodium phenate in solution and precipitate calcium sulfite; and returning the sodium phenate solution so formed for concentration to supply steam and sodium phenate for the hydrolysis.

2,578,824
ADJUSTABLE SWITCH FOR TIMERS
David Morrison, Manitowoc, Wis., assignor to Paragon Electric Company, Two Rivers, Wis., a corporation of Wisconsin
Application November 30, 1950, Serial No. 198,265
9 Claims. (Cl. 200—38)



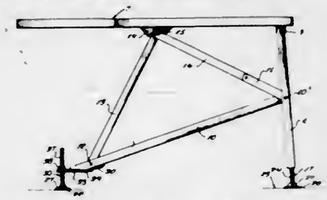
1. A circuit controller comprising a rotatable cam having a cam face that increases progressively in its radial distance from the axis of rotation from a low point to a high point, a lever extending past said cam and hinged at one end for swinging movements about an axis and having at its other end a fingerpiece parallel to said axis, and a switch means mounted on said lever so as to be movable bodily toward and away from the cam as the lever is swung toward and from the cam; said switch means having a rockable arm arranged tangentially of and engaged with the cam, and a spring interposed between said arm and said lever and pressing the arm yieldingly against the cam.

2,578,825
FLYING SAW ACTUATING MECHANISM
George E. Mirfield, Youngstown, and Irving A. Colby, Hubbard, Ohio, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application October 23, 1948, Serial No. 56,168
7 Claims. (Cl. 29—69)



1. In combination with a flying saw assembly adapted to cut continuously generated pipe into sections while the pipe is moving axially comprising a saw carrying table reciprocable parallel to the path of the pipe, a shaft, means adapted to drive the shaft at a predetermined speed in relation to the speed of movement of the pipe including a worm and a worm gear meshing therewith operative to restrict the shaft from exceeding that speed, an overrunning clutch on the shaft, a gear interconnected with the shaft through said clutch, a reciprocable rack meshing with the gear, connected with the table and movable therewith, and hydraulically actuated means for reciprocating the table, the clutch including an element operative to lock the gear and shaft together when the table attains a speed equal to that of the pipe and in the same direction.

2,578,826
IRONING BOARD HEIGHT ADJUSTER
Joseph J. Mrofka, Massillon, Ohio
Application January 27, 1950, Serial No. 140,871
3 Claims. (Cl. 38—117)



2. A height adjusting foot for the declining leg element of an ironing board comprising a first plate adapted to be secured to the underside of said leg element inwardly of the terminal end of said leg element, a second plate having the inward edge hinged to the outer edge of said first plate and arranged to be swung to supportably engage the underside of said leg element outwardly of said first plate and having an end portion opposite said hinged edge arranged to extend outwardly beyond the terminal end of said leg element, said end portion being formed with a threaded hole, a screw threaded upwardly through said hole, a lock nut on said screw adapted to be turned against said second plate to maintain a vertical adjustment of said screw, and a loosely pivoted self-levelling floor engaging member on the lower end of said screw, said second plate being arranged to be swung away from said leg element when not in use to a position wherein said floor engaging member rests against said leg element inwardly of said first plate.

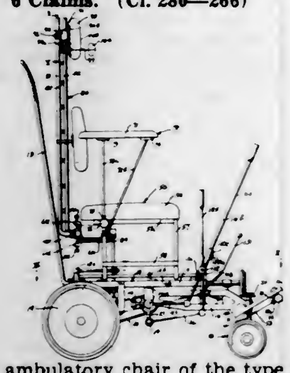
2,578,827
DEODORIZER
Richard A. Munnecke, San Marino, Calif.
Application July 28, 1949, Serial No. 107,239
3 Claims. (Cl. 299—20)



1. A deodorizing device comprising a tubular member open on both ends and having openings in its walls adjacent to said open ends, plugs rotatably fitting in each of the end portions of the tubular member and extending beyond the openings, the plugs having side recesses opening

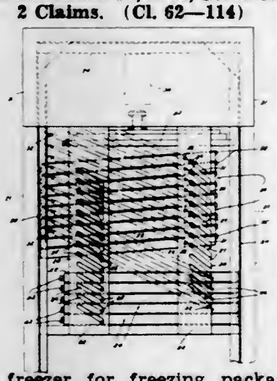
through their inner ends into the tubular member and registering with the openings of the tubular member upon rotation of the plugs, and a deodorant cartridge within the tubular member between the plugs comprising a tubular foraminous shell open at its ends, and an absorbent filler in the shell.

2,578,828
AMBULATORY INVALID CHAIR
Walter R. Nelson, Elmhurst, Ill.
Application September 20, 1946, Serial No. 698,105
6 Claims. (Cl. 280—266)



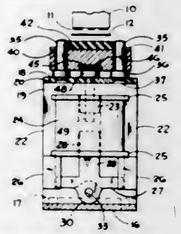
6. In an ambulatory chair of the type wherein a frame structure is mounted on rear wheels and steerable front wheels, the improvement which comprises a generally vertical steering shaft connected to said front wheels and journalled in the frame structure for rotation about its generally vertical axis, foot actuated levers, locking means for connecting said levers to said shaft for rotating the same, an oscillatable back rest, a lever mechanism connecting said back rest to said shaft to cause oscillation of said shaft when said locking means is disengaged.

2,578,829
REFRIGERATION APPARATUS
Albert N. Nicholson, Santa Rosa, Calif., assignor of one-sixth to Joseph W. Rackerby, Jr., one-sixth to Emery R. Lessard, and one-sixth to Joseph C. Bloom, all of Santa Rosa, Calif.
Application November 17, 1950, Serial No. 196,143
2 Claims. (Cl. 62—114)



1. In a freezer for freezing packaged food products, the said freezer having vertically stacked freezer plates movably mounted in fixed frames, means for vertically raising one entire plate at a time away from the next lower plate and then moving it diagonally and upwardly and rearwardly in parallel relation to the next lower plate, said means comprising pins located adjacent the four corners of said plate, tension springs engaging said pins on the front corners of said plates, the rear end of said springs being anchored to said frames at a point above the rear corners of said plate, diagonally located slots located in said frames, said pins engaging in said slots, means for permitting vertical upward movement of said plate and preventing diagonal upward movement.

2,578,830
SOLENOID ACTUATED PRINTING PLATEN
Allan J. Park, Lakewood, and Michael J. Dobes, Euclid, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application February 15, 1947, Serial No. 728,924
6 Claims. (Cl. 101—287)

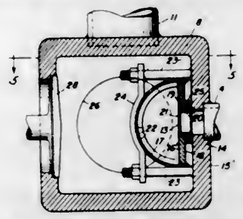


1. In combination with a printing wheel and a strip adapted to have indicia printed thereon, a printing mechanism comprising a frame having a base and a yoke supported by the base, a solenoid disposed in said frame suspended from said yoke, a pair of guide pins on said yoke extending vertically above the yoke in spaced parallel relation to each other, a block slidably disposed on said guide pins, bosses on said pins to hold said block in spaced relation from the top of said frame, a recess formed in the top of said block, a rubber block disposed in said recess adapted for engagement with said paper and to force said paper against said printing wheel when the solenoid is energized, a recess in the bottom of the block, a fibrous pad in the recess, a headed pin having a stem extending through the frame into said solenoid, a head above said frame for engagement with said pad, plunger means disposed for attraction into said winding and to engage with said pin stem, the length of said pin being such that when the plunger is in attracted position in the solenoid the block is out of engagement with the printing wheel.

2,578,831
FORCED CIRCULATION STEAM GENERATOR
Ward S. Patterson, Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application September 4, 1947, Serial No. 772,149
6 Claims. (Cl. 122—411)

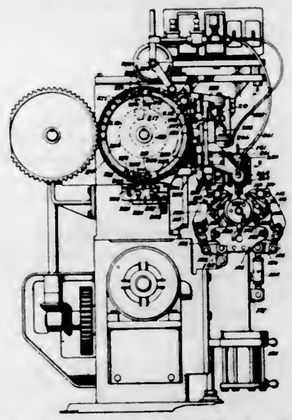
1. In a steam generator having a steam and water drum and a plurality of steam generating tubes exposed to the heat of the products of combustion from a furnace, a distribution header connected to the inlet ends of the aforesaid plurality of tubes for flow of water therethrough in parallel circuits, the discharge ends of said tube circuits being connected to the steam and water drum; resistance means within each circuit disposed at the said inlet end of each tube

that is connected to said distribution header and in fluid-flow relationship therewith; screen means mounted within the header to prevent foreign matter from obstructing the resistance means, said screen means comprising a tubular perforate element extending longitudinally of the header to span a multiplicity of the steam generating tube ends and forming an envelope surrounding an open and unobstructed passage from any open portion of said tubular perforate element to any and all of said resistance means; means connecting each tube inlet end and its resistance means with the inner or discharge side



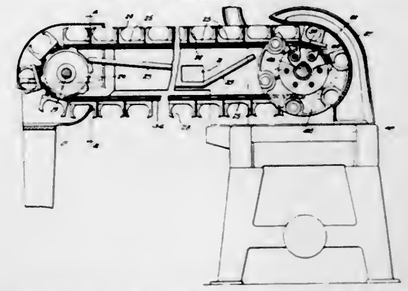
of said tubular perforate element so that only water which has passed through the screen perforations can be admitted into the said resistance means for each tube; means for forcing a flow of water through the circuits in direction of from the drum to the header through the aforesaid tubular perforate element and tubes back to the drum; and connections from the steam and water drum to said forcing means and from said forcing means to that portion of the distribution header's interior which surrounds the outer or inlet side of said tubular perforate screening element.

2,578,832
CAN BODY WELDING MACHINE, INCLUDING MOVABLE AND ROTATABLE ELECTRODE
Paul E. Pearson, New York, N. Y., and Alfred Treff, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 5, 1945, Serial No. 626,678
18 Claims. (Cl. 219—6)

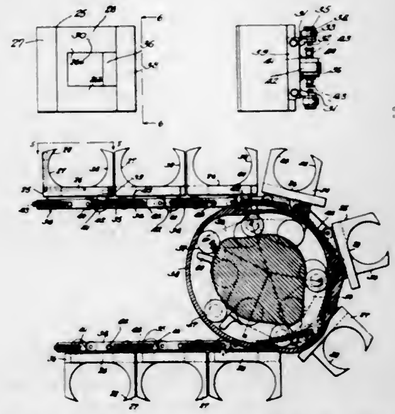


1. In a can body welding machine, a welding horn, a stationary electrode arranged longitudinally in the periphery thereof, a carriage mounted for longitudinal movement relative to said horn, vertically disposed guides on said carriage, a cross-head mounted for vertical reciprocation on said guides, a movable electrode rotatably mounted on said cross-head, means for reciprocating said carriage, means for raising and lowering the movable electrode in synchronization therewith, and means mounted on said carriage for rotating said movable electrode as it is moved along over the stationary electrode in its lowered welding position.

2,578,833
MACHINE FOR PACKING SMALL FISH IN CANS
Paul E. Pearson, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 7, 1946, Serial No. 675,087
7 Claims. (Cl. 226—101)



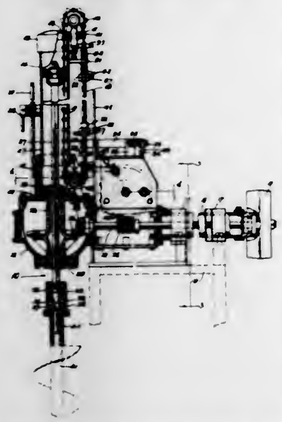
1. Apparatus for packing small fish in cans, comprising an endless chain conveyor having a plurality of connected mold units, each unit comprising a main jaw portion and a contractible jaw portion, springs for yieldably holding the said jaw portions separated, a rotatable turret having charge-packing plungers, a sprocket on the turret for the conveyor, rocking means carried on said sprocket for contracting the jaw portions of the mold units against the pull of the springs, means for feeding empty cans in axial alignment with the mold units and plungers, and means for actuating the plungers to transfer the compressed mold charges to the cans.



7. A fish molding unit for a packing machine comprising a mold section having a fixed end abutment and a base with an open bottom, the base being provided with spaced portions defining parallel tracks on opposite sides of the open bottom, a second mold section having a bottom portion slidably carried on said tracks, an abutment

on the outer end of said bottom portion of the slidable mold section and closely overlying the base of the first-mentioned mold section, and a cover plate across the end of the base of the first-named mold section.

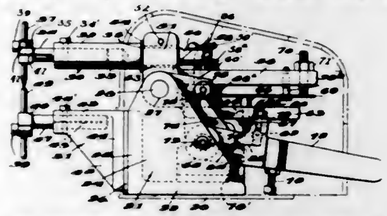
2,578,834
ATTACHMENT FOR DIGGING POSTHOLES AND THE LIKE
Roger June Piper, Princeton, Ill.
Application May 7, 1948, Serial No. 25,733
2 Claims. (Cl. 255—19)



1. In a hole digging attachment for tractors and the like having a power take-off, the combination comprising a transversely extending horizontal power shaft driven from the power take-off, an axially tiltable shaft housing coaxial with said shaft, a rotary earth auger including an auger shaft carried by said housing and driven by said power shaft and vertically slidable relative thereto, a sprocket chain having a flight extending parallel and adjacent said auger shaft and connected thereto for raising and lowering said shaft and its auger, a sprocket driven from said power shaft for moving said chain, mechanism mounted on said housing and tiltable therewith for driving said sprocket from said power shaft including a reversing drive having forward, reverse and neutral positions, a longitudinally movable reversing drive operating rod generally parallel and adjacent said chain and carrying adjustable stops, means connecting said rod with said clutch for operating the latter upon longitudinal movement of said rod, and a projection carried by said chain and adapted to engage said stops alternately for moving said rod to shift said clutch into neutral position.

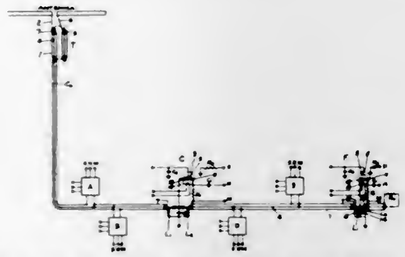
2,578,835
WELDING UNIT
Albert F. Pityo, Clifton, and Harry E. Butterfield, Jr., Maplewood, N. J.
Application October 10, 1950, Serial No. 189,456
17 Claims. (Cl. 219—4)

14. In a welding device, electrode holding devices, means to move at least one holding device with relation to the other holding device including pivotally connected first and second opposed arms, an elongated leaf spring arranged between the first and second arms and extending longitudinally thereof, the free end of the leaf spring bearing against the first arm, means to hold the leaf spring in place, and adjustable means to



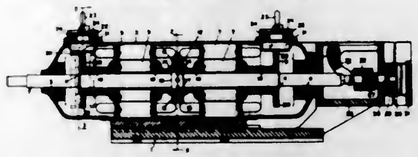
vary the tension of the free end portion of the leaf spring.

2,578,836
TELEVISION AND RADIO DISTRIBUTION SYSTEM
James L. Potter, Highland Park, N. J., assignor, by mesne assignments, to General Bronze Corporation, New York, N. Y., a corporation of New York
Application December 3, 1947, Serial No. 789,394
3 Claims. (Cl. 250—9)



2. In a television and radio distribution system, an antenna, a distribution co-axial cable connected to the antenna through the medium of a balanced to unbalanced transformer, outlets from the cable to points of distribution, each outlet being coupled to the input of a cathode follower-type tube the cathode of which is connected to ground through a resistance, a coupling condenser, the terminals of the resistance being connected to a receiver set through said condenser.

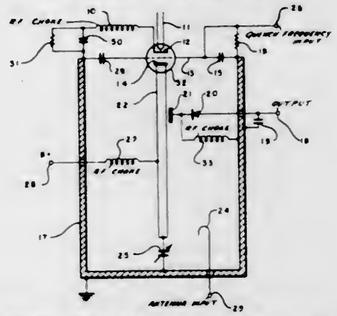
2,578,837
VARIABLE-SPEED DRIVE
William E. Raney, Lakewood, Ohio
Application April 19, 1949, Serial No. 88,455
4 Claims. (Cl. 172—36)



1. A variable speed drive comprising a tubular housing, two electric motor stators mounted coaxially within said housing with adjacent ends of the windings thereof substantially in abutting relation, a drive shaft extending axially into said housing and axially through said stators, means on said housing supporting the opposite ends of said drive shaft for rotation about the axis thereof and for axial reciprocation, two electric motor rotors rotatably mounted on said shaft for rotation within the respective stators, differential

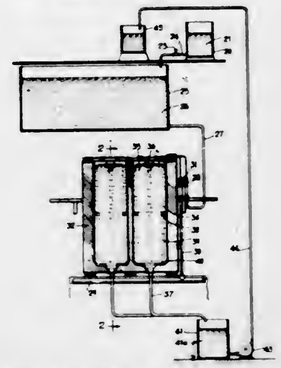
gearing disposed between the adjacent ends of said rotors and inside of the substantially abutting ends of the stator windings, said gearing being operatively connected with said rotors and said shaft for driving the latter responsive to rotation of said rotors, and said rotors, shaft and gearing being connected together for reciprocation axially as a unit in said housing and said stators whereby a cutting tool adapted to be secured on said shaft may be simultaneously rotated and reciprocated with respect to the workpiece, and an actuating device operatively connected to said shaft for reciprocating the latter while driven through said differential gearing.

2,578,838
CRYSTAL DETECTOR SUPERREGENERATIVE RECEIVER
John C. Reed, Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 30, 1945, Serial No. 631,953
4 Claims. (Cl. 250—20)



2. A super-regenerative receiver for ultra-high frequency signals comprising, an electron tube including plate, cathode, and grid, a coaxial line section effectively a half-wave length in electrical length composed of an internal and an external conductor, said inner conductor being connected directly to said plate of said electron tube, said outer conductor being capacitively coupled to said control grid of said electron tube and to said cathode of said electron tube to form a resonant tank circuit at the frequency of said signals that oscillations may occur when a portion of the output at said plate is fed back in correct phase relationship to said grid, a quench frequency voltage source connected to said grid to bias said tube to periodic non-conduction at said quench frequency in order to interrupt the oscillations of the aforementioned tank circuit, such oscillations having been instigated by said signals applied thereto, a crystal detector circuit within said line capacitively coupled to the internal conductor of said coaxial resonant line section, such circuit comprising a crystal, a coupling capacitor from the input side of said crystal to the internal conductor of the coaxial line, a radio frequency choke connected between the junction of said crystal and capacitor to the inside of the external conductor of said coaxial line section, said radio frequency choke having low reactance to said quench frequency current and high reactance to ultra-high frequency currents, a capacitor connecting the output side of said crystal to the outside of the external conductor of said line section, said capacitor having low reactance to ultra-high frequency currents emanating from said tank circuit by way of the detecting crystal.

2,578,839
NICKEL LIBERATOR CELL
Louis Secondo Renzoni, Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Original application May 18, 1946, Serial No. 670,774. Divided and this application March 19, 1948, Serial No. 15,925. In Canada April 12, 1946
1 Claim. (Cl. 204—263)



An electrolytic cell for recovering nickel from chloride-bearing catholyte and employing sulfate anolyte, which comprises; an acid resistant tank; a separate and independent acid-resistant anode compartment having substantially vertical porous diaphragm side walls and a substantially vertical anode electrode therebetween insoluble in sulfate electrolyte; a separate and independent acid-resistant compartment having substantially vertical porous diaphragm side walls and a substantially vertical cathode electrode therebetween; said compartments being supported in substantially vertical, parallel, spaced apart relation within substantially the upper two-thirds region of said tank; conductor means for supplying electric current to said electrodes; means for feeding anolyte and catholyte continuously at a regulated rate to their respective electrode compartments including a conduit provided with an orifice located within and near the top of each compartment, whereby the anolyte and catholyte diffuse through the walls of their respective compartments to meet in the space between the compartments and flow downwardly to form a mixed electrolyte collecting in a region extending to the tank bottom; and means for continuously withdrawing the mixed electrolyte from the tank at a regulated rate including a conduit provided with an orifice within the tank below said compartments and near the tank bottom.

2,578,840
STREPTOMYCIN PURIFICATION
Harley W. Rhodehamel, Jr., and William B. Fortune, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 14, 1950, Serial No. 173,934
8 Claims. (Cl. 260—210)

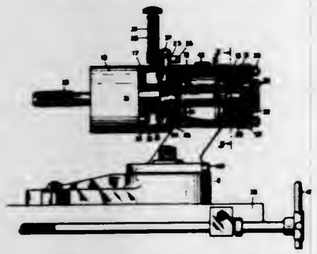
1. The process for the purification of streptomycin which comprises extracting an aqueous solution containing crude streptomycin with a water-immiscible amine of the group consisting of liquid primary alkyl and liquid primary aralkyl amines, concentrating the amine extract, and

removing insoluble impurities therefrom, adding to the amine extract a water-immiscible organic solvent, extracting the resulting solution with water, separating the water phase, washing the water phase with a mixture of a carbonyl-containing compound and a water-immiscible organic solvent to remove residual amine therefrom, and recovering the purified streptomycin from the water solution.

2,578,841
PRODUCTION OF ETHYLENE OXIDE
Nat C. Robertson and Robert T. Allen, Corpus Christi, Tex., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 30, 1948, Serial No. 5,503
1 Claim. (Cl. 260—348.5)

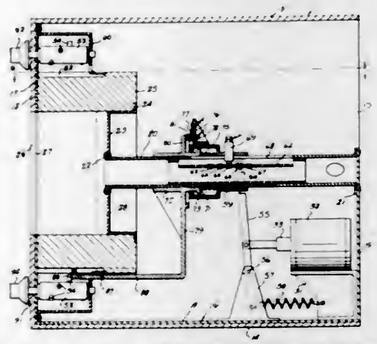
Process for the production of ethylene oxide employing a fluidized catalyst, which comprises passing a mixture of air and ethylene in a ratio of 10 volumes of air for each volume of ethylene through a heated reaction zone maintained at a temperature of 238° C. and containing an oxidation catalyst comprising 80 mesh inactive alumina having deposited thereon for each 100 parts by weight of alumina 43 parts by weight of silver, 7.5 parts by weight of barium peroxide and 0.5 part by weight of zinc oxide, the time of contact between the mixture and the catalyst being between about 1.0 and 1.5 seconds, and maintaining the flow of the gaseous reaction mixture through the heated reaction zone at a rate sufficiently high to fluidize the finely-divided catalyst particles.

2,578,842
ATTACHMENT FOR USE IN SERVICING SCREW-THREADING TAPS
Sidney H. Rollason, Coventry, England
Application February 24, 1948, Serial No. 10,378
In Great Britain December 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1964
2 Claims. (Cl. 51—234)



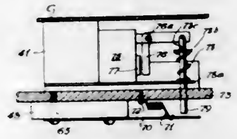
1. For providing "relief" for a screw-cutting tap having a shank and cutting teeth, an attachment, for a suitable grinding machine having a grinding wheel, including a chuck to concentrically receive the shank of the tap, a cylindrical member having an eccentric bore in which said chuck is axially located with its axis parallel to that of said cylindrical member, a body supporting said cylindrical member with axial location and for rocking movement about its axis, means for supporting said body with the axis of said chuck to be related in a desired manner to the axis of the grinding wheel, means for indexing said chuck with reference to said cylindrical member to bring the desired lines of the tap teeth successively to the grinding position, and means for angularly limiting the rocking movement of said cylindrical member to be within a range that will ensure that only the teeth of the indexed land will undergo the grinding operation for this particular index position of said chuck, characterised by means for displacing, circumferentially of said cylindrical member, said means for angularly limiting the range of rocking movement whereby to vary the eccentric throw of said chuck relatively to the grinding wheel during said rocking movement, without changing the range of the latter, dependently upon the "relief" required.

2,578,843
AUTOMATIC TUNER AND TIME CIRCUIT CONTROL
Frank Scalise, Harrisburg, Pa.
Application December 23, 1948, Serial No. 67,057
5 Claims. (Cl. 161—1)



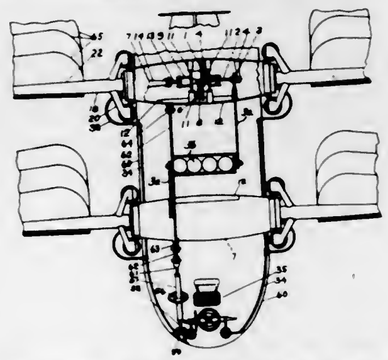
1. A time-controlled tuning device of the character described comprising an elongated support, a solenoid, means for momentarily energizing said solenoid at regularly spaced times over a period of time, a plurality of tuning elements, a radio receiver circuit, a plurality of longitudinally spaced contacts carried on said support, each contact being connected to one of said tuning elements, a contactor slidably carried on said support and engageable with each of said contacts, circuit means connecting said contactor to one side of the receiver circuit and said tuning elements to the other side of the receiver circuit whereby the respective tuning elements are individually connected in the receiver circuit when the contactor engages the contact associated with each tuning element, means moving the contactor successively over the contacts responsive to energization of the solenoid, means biasing the contactor for return movement, an annular body secured to said support, the periphery of said body being formed with longitudinal grooves and additional convergent grooves interconnecting adjacent longitudinal grooves at their rear ends, a guide member rotatably and slidably mounted on said support and having an arm slidably engaged in the grooves, means mechanically coupling the guide member to the contactor for simultaneous longitudinal movement, means on the annular body cooperating with said arm to limit said arm to progressive rotary movement in one direction only around the periphery of the body, and adjustable stop members mounted on the body over the respective longitudinal grooves and being engageable with the arm to selectively limit return movement of the arm in the grooves to positions wherein the contactor engages selected contacts.

2,578,844
SIGNAL SWITCH DEVICE
Alfred K. Schlatter, Francesville, Ind.
Application April 28, 1949, Serial No. 90,232
4 Claims. (Cl. 161—1)



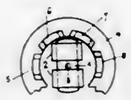
1. A circuit timer comprising a switch device, said device having an actuating element spring-urged to an extended position when the switch of said device is closed and depressible relatively to said device to open same, a member operable when driven to exert periodic depressing forces upon said actuating element, means controlled by said switch for driving said member, means yieldably supporting said switch device for bodily movement thereof in response to said periodic forces, thereby to prevent depression of said actuating element relatively to said device, and an obstruction movable into a position to obstruct said bodily movement.

2,578,845
BEATING WING PROPELLED AIRCRAFT
William Schmidt, Chicago, Ill.
Application January 23, 1947, Serial No. 723,783
4 Claims. (Cl. 244—72)



1. Means for propulsion of beating wing aircraft comprising power oscillated eccentrically held, beating, wings, each mounted to swing naturally free in a plane at a right angle to the wing beat on the stub shaft end of a power oscillated bell crank, said wing swing motion automatically produced by the resistance of the air against the eccentrically held wing blade causing automatic self reversing wing pitch, said wing comprising a quill bearing casting integral with two bell cranks placed opposite to each other on the quill bearing end next to the fuselage while the other end is attached to two girder flanges placed opposite to each other and kept apart by two rows of lattice spreaders riveted one row to each flange, said rows of lattice spreaders riveted again to each other with said eccentric held wing blade sandwiched between them, this lattice spreader wing arm construction allowing free air passage through the wing arm causing said girder flanges to act as auxiliary wings alongside the main wing blade.

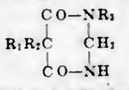
2,578,846
INTERMITTENT POWER SUPPLY SYSTEM
Abram Segal, Rueil-Malmaison, France
Application July 30, 1947, Serial No. 764,873
In France May 15, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 15, 1966
27 Claims. (Cl. 171—97)



23. An intermittent power supply system comprising a plurality of load devices energized by periodic power impulses, a load distributing device and a rotative impulse generator adapted for producing a plurality of separate series of said power impulses of suitable shape and duration, separated by no voltage intervals of suitable length, said generator having an armature carrying a plurality of independent armature windings separated by angular intervals and provided with separate output circuits, a cooperating field system provided with relatively narrow pole pieces, the angular width of which is a fraction of the pole pitch, field windings upon said field system, and a field distribution adapted for generating in each of said armature windings a series of suitably shaped power impulses, the duration of which corresponds to non-operative intervals of all other armature windings, whereby the overall power output of the generator remains substantially regular, said load distributing device being formed by a group of contact elements, such as brushes, connected to the respective output circuits of the generator, a group of similar contact elements connected to the respective load devices, a rotating drum driven by said generator and cooperating with said contact elements, and switching means upon said rotating drum for interconnecting periodically the said armature windings with said load devices for different time intervals during which desired numbers of power impulses are transmitted to each load device.

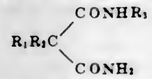
2,578,847
HEXAHYDROPYRIMIDINE-4,6-DIONES
William Robert Boon, Herbert Clare Carrington, and Charles Henry Vasey, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Original application July 11, 1950, Serial No. 173,248. Divided and this application July 5, 1951, Serial No. 235,372. In Great Britain July 27, 1949
2 Claims. (Cl. 260—260)

1. Process for the manufacture of new pyrimidine derivatives of the general formula



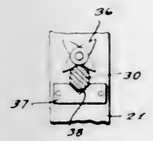
wherein R_1 is a radical selected from the group consisting of monocyclic carbocyclic radicals of six carbon atoms and alkenyl radicals of from 1 to 3 carbon atoms, R_2 is a radical selected from the group consisting of alkyl radicals and alkenyl radicals of from 1 to 3 carbon atoms and R_3 is a radical selected from the group consisting of hydrogen and alkyl radicals of from 1 to 4 carbon

atoms, which comprises condensation of a malondiamide derivative of the formula



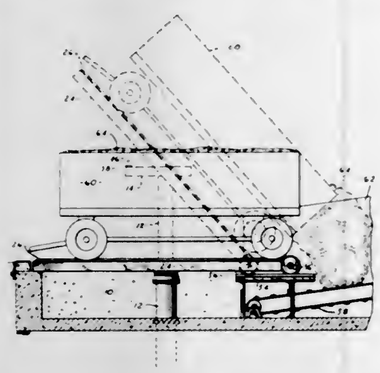
wherein R_1, R_2 and R_3 have the meaning set forth above with formamide.

2,578,848
KEEPER MECHANISM
Daniel R. Shirley, De Quincy, La.
Application April 20, 1948, Serial No. 22,121
3 Claims. (Cl. 292—341.17)



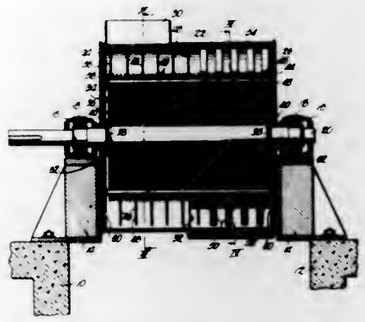
1. A keeper mechanism comprising a vertically disposed star shaped cam mounted on an upstanding gate post intermediate its upper and lower ends for rotary movement about a horizontal axis, and a vertically disposed projection fixedly secured to said gate post positioned below and spaced from said cam for receiving therebetween a free end of a vertically movable latch bar, said cam being adapted to engage the free end of said latch bar and being rotated responsive to the vertical movement of said latch bar relative to said projection.

2,578,849
HYDRAULIC LIFT AND DUMPING DEVICE
Elmer C. Small, Neodesha, Kans., assignor, by mesne assignments, to Archer-Daniels Midland Company, a corporation of Delaware
Application May 12, 1947, Serial No. 747,535
3 Claims. (Cl. 214—49)



1. A lifting and dumping device of the kind set forth comprising a platform adapted to support a vehicle or the like to be lifted and dumped with the greatest portion of the combined weight of said vehicle and platform near one end of the platform; a vertically reciprocable standard, said platform being carried by the standard for longitudinal tilting movement on a horizontal axis; and means for movably supporting said one end of the platform as the platform tilts in response to upward movement of the standard said means including parts engageable with said one end of the platform for holding the latter against swinging movement on the reciprocable axis of the standard as the platform is tilted.

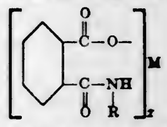
2,578,850
SHREDDING ROTOR
Elmer C. Small, Neodesha, Kans., assignor, by mesne assignments, to Archer-Daniels Midland Company, a corporation of Delaware
Application April 6, 1949, Serial No. 85,769
1 Claim. (Cl. 241—194)



In a crop shredder, a rotor comprising an elongated shaft; a plurality of parallel plates; spacers between the plates, said spacers and said plates all being threaded on the shaft; a number of pins joining the plates at the peripheries thereof in parallelism with the shaft; and a number of elongated, flat hammers carried by each pin respectively within planes parallel with the plates, said hammers being loosely arranged between proximal plates for free swinging movement on the pins, the hammers for a portion of the length of said rotor and at one end of the latter, each having an elongated, flat blade secured to one longitudinal edge thereof and extending outwardly from the peripheries of the plates, rendering the same T-shaped in cross-section throughout a portion of the lengths thereof.

2,578,851
LUBRICATING GREASES
Herschel G. Smith, Wallingford, Troy L. Cantrell, Lansdowne, and Mark L. Hill, Boothwyn, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 12, 1949, Serial No. 115,314
8 Claims. (Cl. 252—33.6)

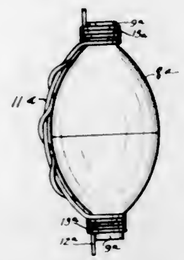
1. A lubricating grease which comprises a major amount of a soap-oil grease, and a minor amount, sufficient to prevent bleeding, of a metal phthalyl alkyl amide having the formula



wherein R is an alkyl group containing from 8 to

20 carbon atoms, X is a whole number equal to the valence of M, and M is a metal.

2,578,852
FISHING BOBBER
Edward Sokolik, New Brighton, Minn.
Application August 22, 1946, Serial No. 692,247
3 Claims. (Cl. 43—44.94)



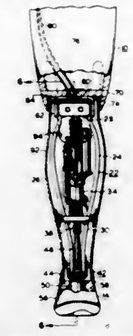
2. In a fishing bobber embodying an elongated float body having axial stub ends, in combination with said float, of a spring wire of a length substantially greater than the distance between the stub ends of the float, the intermediate portion of said wire formed in a multiplicity of zigzag crimps extending in opposite lateral directions and following the contour of the adjacent portion of the bobber to receive and hold a fish line interwoven between adjacent crimps, the predetermined number of such crimps controlling the sliding friction of the wire upon the fish line, and also controlling the tension between the opposite ends of the wire, each end of said wire formed into resilient coils forming helical guides for the fish line on either end of the intermediate portion, and also affording means for mounting the wire on the opposite stub ends of the float by circumscribing said stub ends.

2,578,853
ALKOXYCHLOROBENZENES AS PLASTICIZERS FOR ELASTOMERS
James K. Stevenson, Columbus, Ohio, assignor, by mesne assignments, to Niagara Alkali Company, New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1950, Serial No. 155,350
7 Claims. (Cl. 260—33.2)

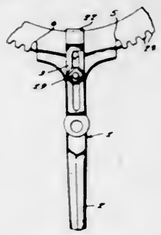
1. A butadiene-acrylic nitrile synthetic rubber having incorporated therein an alkoxy chlorobenzene as a plasticizer.

2,578,854
ARTIFICIAL LIMB CONSTRUCTION
John H. F. Stewart, Mount Clemens, Mich.
Application October 8, 1948, Serial No. 53,435
3 Claims. (Cl. 3—3)

1. In an artificial leg having a thigh socket member, a shin member and a foot member pivotally connected together, the combination of a load bearing frame connecting the knee and ankle pivots, a pivot actuating and control unit carried by the frame, said frame comprising a pair of side frames secured to each other adjacent the pivots in spaced relation and having oppositely bowed portions resiliently deformable under end-wise load whereby the shin member may be elastically compressed a substantial amount by the weight of the user.



2,578,855
SPANNER WRENCH FOR TURNING FLYWHEELS
Loyal S. Stites and John L. Stites, Boise, Idaho
Application December 23, 1947, Serial No. 793,362
2 Claims. (Cl. 81—90)

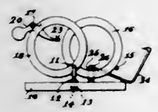


1. A mechanic's tool for turning a flywheel comprising a handle, a head disposed in end to end relation with respect to one end of said handle and fixedly secured thereto, said head having its free end turned over to provide a transversely extending arcuate flange for conformably contacting the outer rim of said flywheel, a lug projecting from each end of said arcuate flange and secured laterally thereof for engagement with the adjacent lateral portions of said flywheel, a gripping member arranged in abutting relation with respect to one face of said head and mounted for sliding movement longitudinally thereof, said gripping member being provided with a longitudinal slot adjacent one end thereof, means on the other end of said gripping member for detachably supporting said head in cooperative relation with respect to said flywheel, and hand actuable means extending through said slot and said head and secured to the latter for fixedly positioning the means carried by the other end of said gripping member.

2,578,856
ANIMAL TRAP
Hollis L. Story, Paducah, Ky.
Application April 7, 1950, Serial No. 154,542
6 Claims. (Cl. 43—85)

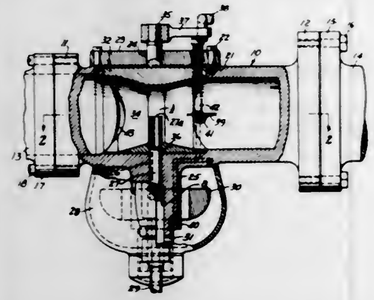
1. A device of the character described comprising a base, a first set of concentric spaced rings pivotally mounted on said base, a second set of like rings fixed on said base in interleaving condition with said first set, springs for nor-

mally forcing said sets of rings out of mutually concentric condition, a latch for holding said



sets of rings in mutually concentric condition, and a bait holder associated with said latch.

2,578,857
CARBURETOR
Rudolph H. Sumpter and Elmer S. Sumpter, Hollywood, Calif.
Application May 12, 1949, Serial No. 92,796
1 Claim. (Cl. 261—41)

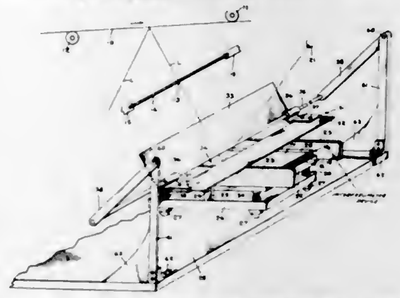


In a carburetor structure, an elongated hollow body open at both of its ends and having cylindrical end portions and a laterally enlarged intermediate portion, annular flanges at the ends of said body for its interconnection with and between an air intake and a mixture intake manifold, the interior of said intermediate portion being cylindrical and open at one end, a closure plate for the open end of said intermediate portion, a hub-like part projecting outwardly from the center of the opposite end of said intermediate portion and having a central bore opening lengthwise through the same into the interior of the latter, a cylindrical throttle valve within said intermediate portion and having a bore of Venturi form extending diametrically through the same, a trunnion projecting from a side of said valve and projecting outwardly through an opening formed centrally in said closure plate, a fuel injector tube mounted in the first bore and projecting into the center of the narrower portion of the second bore through an opening formed in the opposite side of said valve in line with said trunnion and acting with the latter to allow turning movements of the valve, a casing of bowl-like form clampingly secured on said body and enclosing said hub-like part, an annular float within said casing and loosely surrounding said hub-like part, a fuel intake opening through the axial center of said casing, said float being adapted to control the ingress of fuel from the intake thereof, an idler fuel intake jet opening into said body at the mixture output end of said valve, and a needle valve for regulating the fuel discharge from said jet, said throttle valve having an air intake port at its air intake end to pass air through the bore therein for mixing with the fuel admitted from said idler jet, when it is fully closed.

2,578,858
FUMIGATING COMPOSITIONS
James Taylor, Saltcoats, John Macfie Holm, West Kilbride, and Alexander Cantlay Hutchison, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 12, 1949, Serial No. 132,632. In Great Britain September 18, 1946
13 Claims. (Cl. 167—40)

4. A fumigating composition which comprises a mixture of a thermally vaporizable pesticidal compound, ammonium nitrate, and at least one copper compound as a sensitizing material for solid ammonium nitrate in a quantity sufficient to permit self-sustained gas producing thermal decomposition of the ammonium nitrate.

2,578,859
LIGHT DIRECTING MEANS IN A SYSTEM FOR MEASURING THICKNESS OF TRANSPARENT SHEETS
John H. Teeple, Caldwell, N. J., and Allen Strickler, Los Angeles, Calif., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
Application June 24, 1949, Serial No. 101,114
17 Claims. (Cl. 88—14)



1. In an optical measuring system for measuring the thickness of a transparent sheet material without any physical contact with a surface of said sheet material including means for directing a light beam against said sheet material to produce reflected light beams from the near and far surfaces of said sheet material, the combination of an opaque window provided with a slit through which the reflected light beams pass, an optical wedge positioned to intercept the reflected light beams and a slotted mask intermediate of said window and optical wedge, said mask comprising a pair of plates and means connecting said plates, one plate being substantially parallel to the plane of the optical wedge and the other plate being spaced therefrom to form a slot and positioned at an angle to the first mentioned plate, said mask being positioned to permit the light beams reflected from only a limited portion of said wedge to pass to the eye of an observer.

2,578,860
BAND-TIGHTENING INSTRUMENTALITY FOR HOSE CLAMPS
Clarence Tetzlaff, Riverside, Ill.
Application February 7, 1949, Serial No. 75,007
1 Claim. (Cl. 24—19)

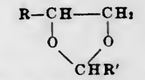
In a looptype hose clamp composed of a band in the form of a closed loop, a nut fixed to the inner side of the loop, a screw passing through the band and the nut from the exterior of the loop, a member swivelled on a smooth cylindrical inner end portion of the screw to form with a portion of the band a smaller closed loop: the improvement which consists in the enlargement of the hole in the band through which the screw passes to a diameter greater than the greatest



diameter of the screw, and the reduction in diameter of an intermediate smooth cylindrical portion of the screw to a size which is greater in diameter than the inner end portion of the screw on which said member is swivelled but lesser in diameter than the smallest internal diameter of the nut, the longitudinal length of the intermediate portion of the screw being at least equal to the thickness of the nut.

2,578,861
UNSATURATED DIOXOLANE COMPOUNDS, PRODUCTS PREPARED THEREFROM, AND METHODS OF PREPARATION
Walter M. Thomas, Springdale, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 26, 1949, Serial No. 106,974
21 Claims. (Cl. 260—85.5)

1. A compound represented by the general formula

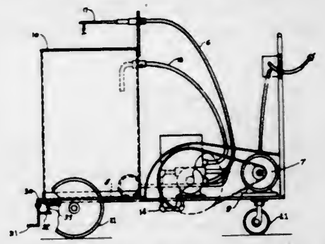


where R represents an allyloxymethyl radical, and R' represents an aryl radical.

2,578,862
LADDER JACK
Tony C. Tims, Hyattsville, Md.
Application August 8, 1947, Serial No. 767,557
2 Claims. (Cl. 248—238)

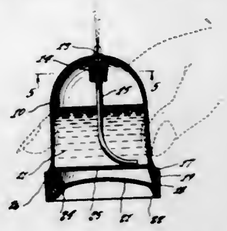
1. In a combination with a ladder, a scaffold jack comprising a work support equipped at one end for pivotal attachment thereof to a ladder rung, a tie rod provided at one end with means to engage a rung of the ladder above the work support, said work support having apertured means rotatably mounted on the free end thereof through which the free end of the tie rod is trained, and a hand nut threadedly engaged with the last mentioned end of the tie rod.

2,578,863
INDIVIDUAL POULTRY FEEDING UNIT
Richard D. Trelease, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application February 11, 1949, Serial No. 75,880
3 Claims. (Cl. 119—51)



1. A poultry feeding device mounted on a frame including a reservoir for holding a mash form of poultry feed, a power driven continuously running pump, the intake of said pump connected to and communicating with a lower portion of said reservoir to withdraw feed therefrom, a discharge line from said pump, a poultry feeding nozzle, a recirculating line opening into said reservoir, a valve having an intake opening, two discharge openings, and a flow control member within said valve to direct the flow from said intake opening to either of said discharge openings, the intake opening of said valve connected to and communicating with the discharge line of said pump, one of said discharge openings connected to and communicating with said nozzle and the other discharge opening connected to and communicating with said recirculating line whereby the flow control member may be used to direct the flow to the nozzle or to said recirculating line, and a cross passage means between said discharge line and said recirculating line to permit the feed to flow from the pump to the recirculating line even when said control member of said valve is positioned to direct the flow from the pump to the nozzle.

2,578,864
SEAL FOR FLEXIBLE CONTAINERS
Earl S. Tupper, Upton, Mass.
Application December 1, 1948, Serial No. 62,845
1 Claim. (Cl. 222—206)



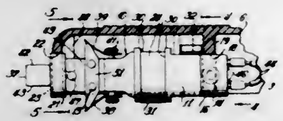
A dispensing device comprising a resilient squeeze chamber having a dispensing opening at

its upper end, said chamber having a depending skirt portion partly threaded and free of threads on its lower end, a base having a peripheral groove adapted to receive the lower end of the depending portion of the chamber, said base having an upwardly extending internally threaded peripheral portion against which the depending portion of the chamber may be depressed, a reinforcing member fitted within the chamber and serving to urge the depending portion into the recess of the base and against the upwardly extending portion thereof, said reinforcing member having a peripheral depending portion, said resilient squeeze chamber having an internal recess, said peripheral depending portion of the reinforcing member lying within the recess, the lower end of the peripheral depending portion of the reinforcing member extending over the groove of the base to retain the part of the depending portion of the resilient squeeze chamber therewithin.

2,578,865
MACHINING FLUID
Franklin Veatch and John G. Partch, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 31, 1948, Serial No. 18,294
2 Claims. (Cl. 252—45)

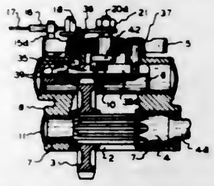
2. A machining lubricant adapted to be added to water in an amount from about 1 to 25% to form a stable emulsion therewith, said lubricant consisting of about 20% by weight of a mineral oil sulfonated or sulfated emulsifying agent, and about 40% by weight of a mineral lubricating oil, the balance between a "sulfur-motor polymer" reaction product containing between 35 and 50% sulfur and having a specific gravity at 20° C. of about 1.094, said product being prepared by reacting substantially equal proportions of elemental sulfur and "motor-polymer" in the absence of water in a closed vessel at a temperature between about 250° and 300° F.

2,578,866
PLURAL NEEDLE PICKUP APPARATUS
James E. Vistain, Jr., Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application December 23, 1948, Serial No. 67,040
5 Claims. (Cl. 274—24)



1. Pickup apparatus of the class which includes a mobile carrier member to which is coupled a transducer carrying a plurality of needles each of which is adapted to engage a separate class of records by alternate extension of one of the needles, the extension of the needles being carried out by rotating the transducer, said transducer being adapted to be adjustable by bearing means in connection with said transducer and said pickup arm, means in connection with the transducer by which said transducer is adapted to be rotated, and clamp means at least partially surrounding said transducer to hold it in rotational relationship to said carrier member said clamp means pressing said transducer into frictional engagement with said carrier member thereby providing for movably retaining the transducer in whatever angular position it is stationed.

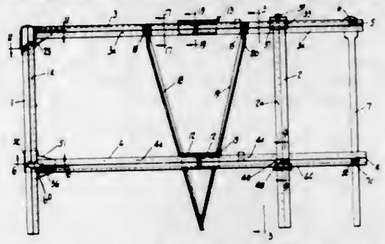
2,578,867
POWER TAKE-OFF
Robert W. Wagner, Chelsea, Mich.
Application March 1, 1948, Serial No. 12,390
1 Claim. (Cl. 74—15.86)



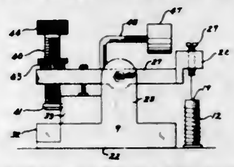
Power take-off apparatus comprising in combination, hollow casing structure with side walls having bearing bushings, shafts mounted in said bushings in parallel spaced relation, including a rotary shaft and an axially slidable shifter shaft, said rotary shaft having a splined portion with a gear ring mounted on said shaft portion, said shifter shaft including a surface recess with which said gear ring is held engaged to partake of axial adjustment of said shifter shaft, said shifter shaft having axially spaced depressions, including a depression in which a crank actuator for the shifter bar engages and axially spaced depressions in which indexing detent means is optionally engageable to hold the shifter bar in different indexed positions, said casing structure having an opening exposing the said gear ring and, adjacent said shifter bar, another opening, a removable cover plate for said second mentioned casing opening, said cover plate having symmetrical openings for receiving securing means detachably securing the cover plate upon the casing structure, said cover plate having, additionally, pairs of symmetrical sockets, including a pair of sockets in either of which a guide post member is optionally engageable and a pair of sockets in which said detent means and a rotary restraining guide pin member for said shifter shaft are interchangeably engageable, said guide cover plate also having a pair of symmetrical bearing sockets in which said actuator crank is optionally engageable, said cover plate being reversible in position upon said casing structure and said actuator crank, guide pin member and detent means being also interchangeable with their respective said sockets to enable the shifter shaft and associated actuator parts to be positioned for right or left hand actuation.

2,578,868
CURTAIN STRETCHER
Arthur M. Warrick, Cleveland, Ohio
Application May 25, 1949, Serial No. 95,315
6 Claims. (Cl. 45—24)

1. In a curtain stretcher, in combination, a frame comprising relatively movable upper and lower stretcher bars and relatively movable side stretcher bars, connections between said bars, the upper and lower bars each comprising sections hingedly connected intermediate their ends so they may fold rearwardly together by movement of corresponding end sections toward the other corresponding end sections, and a prop comprising members pivotally connected at the upper ends each to a separate one of the sections of the upper bar, said prop members being pivotally connected at their lower ends and extending rearwardly from the frame so as to nest between the respective sections of the upper and lower bars when the latter are folded together.

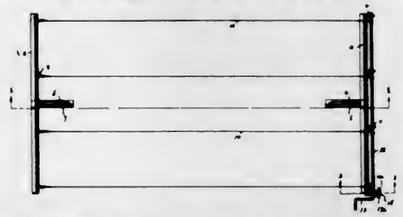


2,578,869
ELECTRONIC MEASURING DEVICE
Neil E. Washburn, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application July 10, 1946, Serial No. 682,609
3 Claims. (Cl. 33—143)



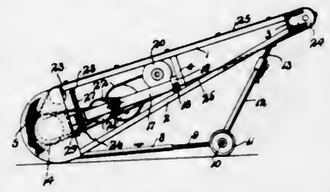
1. A measuring jig for use in a circuit having a tunable element for varying the frequency of the circuit the frequency deviation of which, due to the movement of the tuning element, may be indicated, comprising a base, a pair of supports extending upward from the base and a lever arm pivotally supported therebetween, said lever arm being adjustably secured to said tuning element at one end, a platen disposed at the other end of said base under said lever arm and formed with an upwardly facing flat face in its mid portion and downwardly slanting surfaces at the sides, said base being formed with a vertically extending wall at the rear of said platen, a screw threaded in said lever arm and carrying an anvil extending opposite said platen, and means to limit the movement of the lever arm in both directions.

2,578,870
CLOTHES DRIER
Leonard Wilson, Houston, Tex., assignor to C. L. Rowan, Tarrant County, Tex.
Application April 16, 1945, Serial No. 588,660
2 Claims. (Cl. 211—119.15)



2. A clothes drier comprising, spaced end posts, a crossarm on each post, attaching means spaced apart on the inner side of one crossarm for the attachment of clothes lines thereto, lugs on the outer side of the other crossarm having aligned bearings therein, said lugs being spaced apart and offset longitudinally of said other crossarm with relation to the corresponding attaching means on said one crossarm, a winding rod extended through said lugs and rotatably mounted in said bearings, said rod having spaced openings therethrough and being located below the level of the upper surface of the adjacent crossarm, clothes lines attached, at one end, to said attaching means, the other end of said lines passing over the crossarm adjacent said rod and being in frictional contact therewith, said other end being attached to said rod, a disc fastened to said rod adjacent one of said lugs, said adjacent lug being enlarged and having a perforation and the disc having perforations arranged thereabout to register with the lug perforation, means on the disc to manually rotate the disc and winding rod fastened thereto to raise or lower said clothes lines, and a locking pin adapted to be inserted through said registering perforation to lock the rod against reverse rotation.

2,578,871
POWER TENSION ELEVATING DEVICE
Egbert Woldring, Grand Rapids, Mich., assignor to Arrow Products, Grand Rapids, Mich., a partnership
Application July 15, 1946, Serial No. 683,719
5 Claims. (Cl. 198—208)

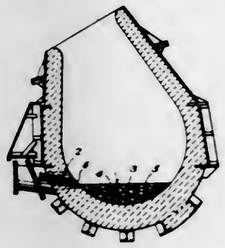


1. A structure as described comprising an elongated frame support, means for maintaining said frame support in an inclined position with one end higher than the other, an idle roller mounted to turn about a horizontal axis at the higher end of said frame, a second idle roller mounted to turn about a horizontal axis at the upper side of and adjacent the lower end of the frame, a driving roller located at the lower end of the frame below the second idle roller, means for driving the driving roller, means on which the driving roller is mounted movably connected with said frame whereby the driving roller may move in a generally vertical direction with reference to its adjacent idle roller, and an endless conveyor belt passing around all of said rollers, the pressure of the driving roller acting against said conveyor belt to impart tension thereto, said driving roller frictionally driving said conveyor belt and automatically moving in a downward direction upon weight applied to the belt at the upper side thereof between said idle rollers thereby increasing the tension in the belt with increases of said weight.

2,578,872
MANUFACTURE OF BESSEMER STEEL HAVING REDUCED STRAIN SENSITIVITY
Harold K. Work, Pelham, N. Y., and Richard R. Webster, Beaver, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 4, 1949, Serial No. 97,138
1 Claim. (Cl. 75—52)

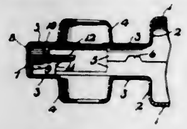
The process of making Bessemer steel having reduced strain sensitivity which comprises

introducing an approximately known quantity of molten ferrous metal into a tiltable acid-lined side blown Bessemer converter whose tuyères all have approximately parallel axes, tilting the converter until the mouths of the tuyères are located approximately at the metal surface and the axes of the tuyères make an angle with the general plane of the metal surface of between



about four and about fifteen degrees with the tuyères tilted downwardly toward their mouths, blowing air into the metal through the tuyères to refine the metal while maintaining the nitrogen content of the metal not over about .008%, removing the acid slag and reacting the blown metal with a basic slag to remove phosphorus.

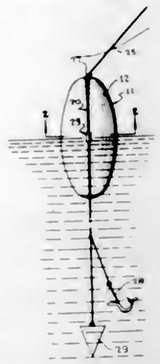
2,578,873
LATCH CASE
Herbert Young, Grand Rapids, Mich., assignor to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application November 15, 1948, Serial No. 60,026
2 Claims. (Cl. 292—337)



2. A latch case comprising two elongated parts each having side and end flanges, the side and end flanges of one part having edges in abutment with the corresponding side and end flanges of the other part, a notch in the side flange of one part, a first tongue on the side flange of the other part, said first tongue being received within said notch, a second tongue on the end flange of one part offset from the plane thereof and positioned against the side of the end flange of the other part, and means on said other part engaging the lateral edges of said second tongue.

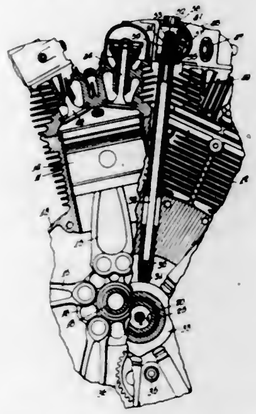
2,578,874
FISHING FLOAT
Bernard Zaikoski, St. Petersburg, Fla.
Application July 14, 1950, Serial No. 173,896
3 Claims. (Cl. 43—44.9)

1. A fishing float comprising a body fabricated of buoyant material and having a groove extending inwardly from its exterior surface between the ends thereof and terminating in a circular enlargement substantially centrally thereof, said enlargement comprising a circular portion of the same cross sectional area throughout and extending inwardly from one end of said body and terminating at a point spaced from the other end and an outwardly flaring portion of varying circular cross section extending outwardly from the said point to the other end of the body, a line receiving and guiding means insertable into and withdrawable from said groove, said means comprising a pair of plates arranged in face to face abutting relation and connected together along one of the edges for movement into and out of abutting relation, and a split circular tube positioned adjacent to and connected to the other edges of said plates and extending from one end



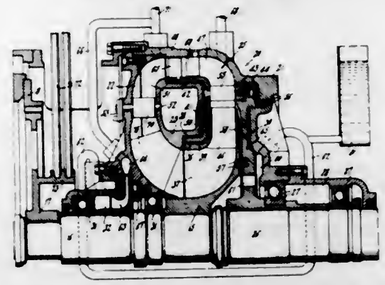
to the other thereof, said tube embodying a portion of length and cross sectional area such as to conformably fit within the said circular enlargement portion of uniform cross section and a second portion of said split tube of length and cross sectional area such as to conformably fit within the said flaring portion of the enlargement.

2,578,875
VALVE ACTUATING MECHANISM FOR MULTIPLE-ROW RADIAL ENGINES
Glenn D. Angle, Thomaston, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application June 13, 1947, Serial No. 754,557
4 Claims. (Cl. 123—55)



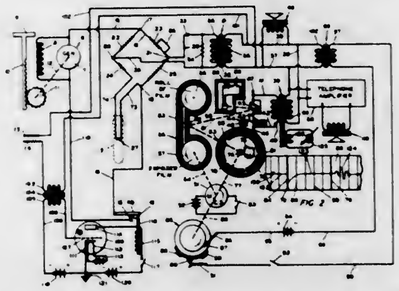
1. In a multi-cylinder radial engine having two rows of cylinders, valve-timing cam means between said rows, a cam follower, a push rod abutting said cam follower, rocker-arm means operatively associating said push rod with a valve in one of said rows, and rocker-arm means operatively associating said push rod with a valve in the other of said rows.

2,578,876
HYDRAULIC TORQUE CONVERTER HAVING RADIAL AND AXIAL STAGES
Otto A. Banner, Highland Park, N. J.
Application February 6, 1946, Serial No. 645,863
22 Claims. (Cl. 60—54)



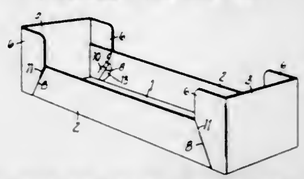
1. A hydraulic torque converter comprising, in combination, a stationary outer casing having a core and enclosing a working circuit; a radial pump impeller rotatably mounted in said casing and having an axial intake; a turbine runner rotatably mounted in said casing in operative association with said impeller; a set of solely radial flow vanes on said runner arranged to receive fluid discharged from said impeller; a set of axial flow guide vanes in said casing arranged to receive fluid discharged from said radial flow vanes; a set of axial flow vanes on said runner arranged to receive fluid discharged from said guide vanes; and means in the casing for axially receiving fluid discharged from the axial flow vanes of said runner and directing such fluid axially to the impeller intake at a fixed angle.

2,578,877
SEISMOGRAPH BLASTER TIME BREAKER CIRCUIT
Cecil L. Brownlow, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 16, 1946, Serial No. 670,267
9 Claims. (Cl. 346—33)



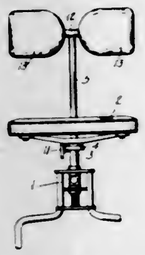
1. In a seismic wave generating and recording system the combination comprising a generating station, a recording station, and a signal system for transmitting signals from one station to the other, means for moving a recording medium at said recording station, means to make indications on said medium at predetermined intervals of time, a rotatable cam member driven by said moving means, pulse generating means including a set of contacts actuated by said rotatable cam member to make a pulse in said signal system at a predetermined interval of time from the time of making one of said indications, means to generate seismic waves at the generating station comprising an explosive charge, an electric heating element disposed to set off said explosive charge and to be broken in the resulting explosion, and firing current generating means to generate sufficient electric current to heat said element enough to set off said charge connected to said element by a first electric circuit containing a first open switch, first switch closing means comprising a second electric circuit responsive to any of said pulses to close said first open switch, a third electric circuit means containing a second open switch connecting said second circuit means to said signal system for reception of said pulses only when said second open switch is closed, and means connected to said firing current generating means disposed to close said second open switch when sufficient electric current is normally being generated, whereby said charge is set off only in response to the actuation of said firing current generating means, but at a time set by one of said pulses, means for impressing a signal on said signal system actuated by an open circuit in said heating element immediately said element is broken in said explosion, means for making indications on said medium responsive to said signal to record the time of the explosion, means for detecting the arrival of seismic waves by generating electric current, and means responsive to current from said last mentioned means for actuating said indicating means to indicate the time of arrival of said seismic waves on said medium.

2,578,878
TRAY TYPE CARTON
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application July 15, 1947, Serial No. 761,107
5 Claims. (Cl. 229—35)



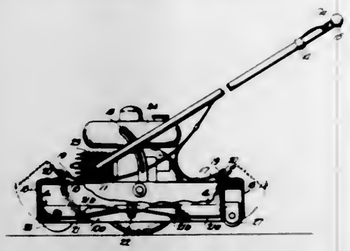
1. A collapsible tray or box formed of an integral blank comprising a bottom and side and end walls hingedly connected thereto, and corner flaps hingedly connected to the ends of the end walls and foldable on the outer sides of the side walls when they are in erected position, the side walls having diagonally disposed slits spaced from their end edges and extending upwardly and inwardly inclined from their bottom edges, the side walls also having angled slits on the outer sides of and opening to said diagonal slits in spaced relation to their upper ends and providing deflectable upwardly projecting tongues in the side walls, the side edges of the corner flaps being notched and provided with diagonal slits extending inwardly from said notches and providing tongues engageable with the diagonal slits of the side walls, the slits of the corner flaps being substantially parallel to the diagonal slits of the side walls when the box is erected, the inner edges of the corner flap slits engaging the outer edges of the diagonal side wall slits when the box is erected, said inner and outer edges abuttingly engaging each other substantially longitudinally each other above said tongues.

2,578,879
ADJUSTABLE BISECTIONAL BACK REST
Verne Jack De Young, Spring Lake, Mich., assignor to Sturgis Posture Chair Company, Sturgis, Mich., a corporation of Michigan
Application September 15, 1945, Serial No. 616,588
4 Claims. (Cl. 155—158)



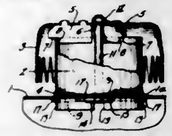
4. In a posture chair, the combination with a seat, of a chair back having laterally projecting cross arms, back engaging members each having a single pivotal connection on said arms for horizontal and tilting adjustment thereon, said arms being inclined forwardly to conform approximately to the horizontal curvature of the back at the waist line, said arms constituting guideways for adjusting the back engaging members forwardly as the same are adjusted outwardly on said arms, and means for adjustably securing the back engaging members to the arms.

2,578,880
ROTATING CUTTING DISK-TYPE MOWER
Joel G. Doyle, Kansas City, Mo., assignor to RPM Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application October 3, 1945, Serial No. 620,046
5 Claims. (Cl. 56—25.4)



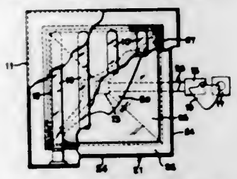
1. In a grass mower of the character described, in combination, a horizontal platform having a ground wheel at the center of each side whereby the platform is supported on the ground, the portion of the platform forwardly of said wheels being relatively square and wide and the portion of the platform rearwardly of said wheels tapering inwardly toward the rear of said platform, said platform having a depending skirt along each side thereof, the rear end portion of one of the skirts extending inwardly under the platform and forming with the rear end portion of the other skirt a funnel shaped discharge passage directed laterally at an angle to the direction of the travel of the mower, and a power source mounted on the platform and adapted to rotate a cutting blade disposed horizontally beneath the platform and connected to the power source for rotation thereby.

2,578,881
BUBBLE CAP ASSEMBLY
James P. Dunn, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application January 27, 1951, Serial No. 208,194
5 Claims. (Cl. 261—114)



1. A bubble cap assembly, adapted to cover an opening in the floor plate of a bubble tower tray and comprising, a floor plate provided with an opening therethrough, a chimney having a lower portion engaged in said opening and an upper portion upstanding from said plate, said chimney having externally thereof a peripheral flange engaging the upper face of said plate and encompassing said opening, the lower portion of said chimney extending below the lower face of said plate and having a plurality of slots, each slot extending upwardly from the lower end of the chimney and terminating slightly beyond the lower face of the floor plate and then extending laterally and parallel to said plate, a spider having a plurality of radiating arms one for each said slot, each arm having a width such as to pass freely through the upwardly extending part of one slot and a thickness such as to move freely through the laterally extending part of such slot, a bell cap seated on top of said chimney; and a bolt engaged at one end with said spider centrally of said arms, extending upwardly through the chimney and cap, and engaged at its upper end with the upper face of said cap for drawing the cap and spider toward one another and forcing the cap against the upper end of the chimney, the flange on the chimney against the upper face of said plate and said arms against the lower face of said plate.

2,578,882
PHOTOELECTRIC AREA CALCULATOR
George H. Eash, Toledo, Ohio, assignor to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio
Application February 10, 1949, Serial No. 75,563
2 Claims. (Cl. 88—14)

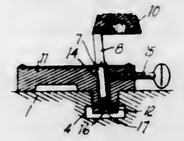


1. In a device for measuring the planar areas of irregularly shaped patterns and the like, in which a pattern to be measured is interposed between a first source of illumination and a photo-electric cell, and the photo-electric cell thus excited in inverse proportion to the area of the pattern, area indicating means comprising a second source of illumination, a translucent screen, said screen positioned and arranged to be wholly illuminated by a beam of light from the second source of illumination, an ammeter connected electrically with said photo-electric cell, a shadow hand in operable connection with said ammeter, said shadow hand disposed intermediate said second source of illumination and said screen and adapted to swing between a position in which it completely interrupts said beam and a position in which said beam is uninterrupted by it, said hand being of such a shape that a shadow cast by it upon the screen is indicative of the amount of light from the first source of light striking the photo-electric cell and hence indicative of the planar area of the interposed pattern, and a scale associated with the screen, said scale adapted to coact with a portion of a shadow cast upon the screen to indicate in units the area of the interposed pattern.

2,578,883
PITCHY COMPOSITION AND A METHOD OF MAKING IT
Otto Frans Valdemar Frick, Stockholm, Sweden
No Drawing. Application April 29, 1948, Serial No. 24,096. In Sweden March 13, 1948
14 Claims. (Cl. 106—123)

12. Composition of matter comprising a combination of a noncracked pitchy residue obtained by vacuum steam distillation of tall oil and a wet polyvalent metal oxide neutralizer and a filler containing fibrous and powdered substances, said metal salt and said filler being employed in a ratio of approximately 50 to 95 per cent by weight of the latter and 5 to 50 per cent by weight of the former.

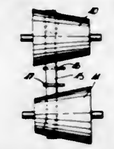
2,578,884
WORK HOLDER FOR GRINDING ROUTER BITS
Lee C. Hammond, Kalamazoo, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Application March 4, 1949, Serial No. 79,673
10 Claims. (Cl. 51—218)



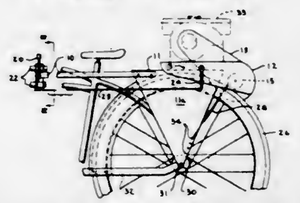
9. A bit holder for receiving router bits having axially opening locating notches in the ends of the shanks thereof comprising, an integral block having a flat bottom, a bore of circular section formed in said block through its top surface and at a compound angle to said bottom to slidably receive said shanks and a projection intersecting the lower end of said bore and adapted to be received in the notches of said bits when said shanks are received in said bore.

2,578,885
BELT FOR CONE PULLEYS
James W. Huff, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 31, 1946, Serial No. 719,461
7 Claims. (Cl. 74—231)

1. A transmission belt for cone pulleys, said belt comprising a body of rubber-like material, flexible substantially inextensible tension elements disposed therethrough in a direction longitudinal of the belt and in laterally spaced-apart relation, and cross elements in said body extending between said tension elements and mounted crosswise of the belt for swinging movement with relation to the tension elements, said cross elements being secured to each other between said tension elements only by resilient rubber-like material providing low resistance to racking action to permit longitudinal movement of said tension elements one with relation to another during operation of the belt to maintain conformance with the surfaces of the cone pulleys.



2,578,886
MOTOR ADAPTER
Henry G. Isherwood and Bennett J. Moore, Detroit, Mich., assignors to Buzz-Boy Motor Bike Co., St. Clair Shores, Mich., a limited copartnership
Application September 22, 1948, Serial No. 50,484
6 Claims. (Cl. 180—33)

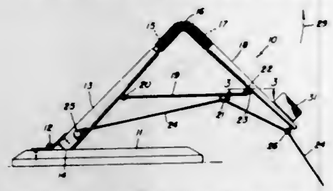


1. A motor adaptor for mounting a motor on a bicycle frame and comprising a supporting member adapted to fit above the rear mud guard portion of a bicycle and which is flat on top and has triangular sides with apices extending to each end of the rear axle of a bicycle wheel for attachment thereto, a bracket for securing the top of said supporting member to the bicycle frame, a carrier member pivotally mounted near its forward end with said supporting member, a friction driving wheel grooved along its periphery for engagement with the shoulders of the tread of a bicycle tire and mounted at the rear of said carrier member and rearward of a vertical line extending through the center of the bicycle wheel, a spring interposed between the said supporting member and the forward end of said carrier member, and manually actuated means for engaging and disengaging said driving wheel and the bicycle tire.

2,578,887
AUTOMATIC FISHING DEVICE
Vesper L. Jackson, Wilson H. Pfrehm, and Stanley R. Danekas, Thedford, Nebr.; said Danekas assignor to said Jackson and said Pfrehm
Application August 22, 1947, Serial No. 770,038
3 Claims. (Cl. 43—15)

1. An automatic fishing device comprising a rod base section, an outer rod section, means flexibly connecting said sections to each other and normally urging said sections into axial alignment, a trigger member having a first end thereof pivotally attached to said base section intermediate the ends of said base section, an eye carried by said outer section intermediate the ends thereof, a hook on the second end of said trigger member releasably received in said eye

to retain said outer section in an angularly disposed set position relative to said base section, a line receiving loop on said trigger member intermediate the ends thereof, a line guide on the outer end of said outer section, a fishing line slidably disposed through said guide and loop, and means carried by said base section for re-



ceiving one end of said line, a tension on said line releasing said trigger member from said eye whereby said outer section swings into a position in axial alignment with said base section, said loop constituting an intermediate line guide when said rod sections are in alignment with each other.

2,578,888

EMULSION DRILLING MUD

Herman H. Kaveler, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application August 18, 1947, Serial No. 769,307

26 Claims. (Cl. 252—8.5)

12 A light-weight drilling mud comprising, in combination, sufficient inert, finely-divided solids to form a filter cake on the wall of the well, sufficient oil-in-water emulsion to maintain the mixture fluid, and a sufficient amount of a water-soluble alkali salt of an acidic cellulose derivative to stabilize said emulsion.

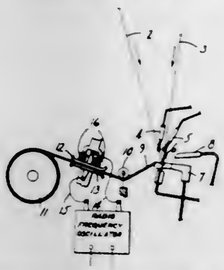
2,578,889

METHOD AND APPARATUS FOR STIFFENING FABRIC EDGES

Edgar S. Kennedy, Wayne, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Original application June 28, 1944, Serial No. 542,459. Divided and this application December 9, 1947, Serial No. 790,592

11 Claims. (Cl. 66—147)



3. The method of preventing curling of the edges of a textile fabric comprising thermoplastic fibers and having a tendency to curl at the edges comprising internally heating a narrow portion only thereof along each of the selvages thereof by the application of a high frequency electric current to raise the temperature of the fibers inside the yarns to a temperature which relieves internal fiber stresses and renders the fibers adhesive to bind the fibers in the interior of the yarns without serious deformation or loss of fiber identity in the fibers exposed on the surface of the yarns.

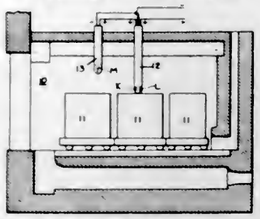
2,578,890

DIFFERENTIAL HEATING APPARATUS FOR METAL INGOTS AND BLOCKS

Theodore A. Ledin, Chicago, Ill., assignor to A. Finkl & Sons Co., Chicago, Ill., a corporation of Illinois

Application April 28, 1949, Serial No. 90,146

7 Claims. (Cl. 73—341)



7. An apparatus for measuring surface temperature of a body under heat treatment in a furnace, comprising three or more thermocouples arranged in series with certain of the thermocouples arranged in opposed polarity to other, at least two of said thermocouples of like polarity being positioned within said furnace substantially in contact with the surface of said body, the remainder of said thermocouples, and in number one less than the thermocouples positioned in contact with the surface of said body, being also positioned within the furnace, materially spaced from said body so as to be responsive primarily to furnace temperature, an indicator arranged in circuit with said thermocouples and responsive to the resultant summation of temperature on said thermocouples.

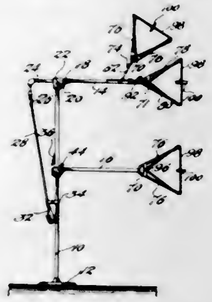
2,578,891

TRAIN ORDER DISPATCH DEVICE

Olin E. Lewis and Louis C. Bussinger, O'Fallon, Mo., assignors of one-third to Don G. Fike, McCrede, Mo.

Application August 26, 1946, Serial No. 693,028

2 Claims. (Cl. 258—23)



1. A mail delivery apparatus comprising a vertical support and a horizontal supporting arm mounted thereon, a pair of angle irons having coplanar upper walls and parallel side walls secured to and embracing the outer of said arm, a carrier having rigidly connected divergent tubular rods pivoted for vertical movement at their connected ends to the side walls of said angle irons, a spring-urged shaft extending through each of said tubular rods, a triangular frame secured to said shaft, upper and lower elongated legs mounted on opposite sides of said frame, an endless mail order retaining loops and means for releasably supporting the same on said frame and legs, lugs depending from said frame adjacent said shaft, and a strip secured beneath and to said lower leg and including a tongue pivoted for vertical movement on said lugs, said strip including upwardly flaring legs terminating in horizontal fingers, said strip, flaring legs and fingers constituting a pivoted latch, said loop urging said fingers into abutting contact with the upper walls of said angle irons whereby upon removal of said loop said latch will be released.

2,578,892

SOUND RECORDING DISK

William Edward Lord, Harlington, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain

No Drawing. Application January 7, 1947, Serial No. 720,681. In Great Britain April 7, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires April 7, 1964

6 Claims. (Cl. 117—74)

4. A sound recording disc comprising a base composed of a metal disc provided with a surface coating of solid polymerized methyl methacrylate having thereon a recording film comprising a coating of plasticized nitro-cellulose, said film having a sound track thereon.

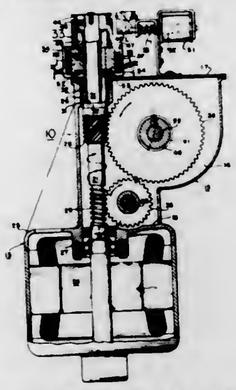
2,578,893

MULTIPLE-SPEED GEAR MECHANISM

Quido P. Massare, Mansfield, Ohio, and Hilbert E. Edwards, deceased, late of Mansfield, Ohio, by Jean Fyfe Edwards, executrix, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 10, 1950, Serial No. 167,354

8 Claims. (Cl. 74—425.5)



1. In a multiple speed gear mechanism, the combination of a driving shaft, a jack shaft and a driven shaft, a worm driven by the driving shaft, a worm wheel carried by the jack shaft and meshing with said worm, a pinion fixed to said worm wheel and rotatable therewith, a first gear journaled on the driven shaft for relative movement therewith and meshing with said pinion, a second gear fixed to said driven shaft, overrunning clutch means interposed between said first gear and said driven shaft, a second pinion meshing with said second gear, means for driving said second pinion from the driving shaft and including an adjustable clutch mechanism interposed between the driving shaft and the second pinion and means for engaging and disengaging said clutch mechanism.

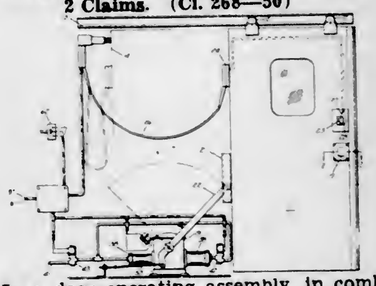
2,578,894

DOOR OPERATION AND CONTROL

Paul Henry Maurer, Owosso, Mich., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass., a corporation of Delaware

Application July 21, 1948, Serial No. 39,961

2 Claims. (Cl. 268—50)



1. In a door operating assembly, in combination, a housing having a central section and two flanking sections, one of said flanking sections being a cylinder of relatively large diameter and the other flanking section being a cylinder of relatively small diameter, pistons in said cylinders, a rack connecting said pistons to cause their movement as a unit, a shaft journaled in said central section of said housing, means meshing with said rack for rocking said shaft as the rack recopricates, a link secured to said shaft to swing as said shaft rocks, a pivotal connection between one end of said link and the door to be operated, a spring having one end secured to the end of said link remote from said door, means securing the other end of said spring against movement, means for maintaining fluid pressure in both said cylinders, means for withdrawing fluid pressure from the larger of said cylinders and thereby causing said link to swing in a door opening direction, and simultaneously extend said spring, by reason of the action of the fluid pressure still applied in said smaller cylinder, and means for re-admitting fluid pressure to said larger cylinder to cause return swinging of said link in the door closing direction, said return swinging being assisted by said spring.

2,578,895

COMBINED HOSE AND SHOE GUARD

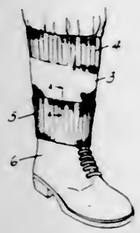
Ann A. Meengs, Muskegon, and Lola E. Hahn, Muskegon Heights, Mich.

Application August 19, 1948, Serial No. 45,104

5 Claims. (Cl. 66—178)

1. A combined hose and shoe guard comprising continuous knit foot and leg portions, and a rib knit tubular guard sleeve of single ply thickness surrounding and connected at its inner end to the leg portion in spaced relation to the foot portion by integral strands thereof inter-lockingly knit with knit strand loops of the leg portion at the juncture therewith whereby the guard sleeve may be adjusted to an upright position embracing the leg portion or to a downturned position over the top of a shoe or the like, the juncture of the inner end of the sleeve with the leg portion being disposed in substantially spaced rela-

tion from the top edge of the leg portion, the guard sleeve having substantial inherent transverse elasticity and being of such diameter as to resiliently and retainingly embrace the leg portion when the guard sleeve is turned to upright position therearound and a shoe top when the guard sleeve is turned downwardly in embracing relation to the top of a shoe or the like the leg portion being a uniformly continuous knit from a



substantial distance above to a substantial distance below its connection with the sleeve, a knitted strand of the sleeve having loops thereof interlocked with the loops of a knitted strand of the leg portion, the upper end portion of the leg portion being rib knit, the outer edge of the sleeve being disposed closely adjacent to the rib portion of the leg portion when the sleeve is turned upwardly.

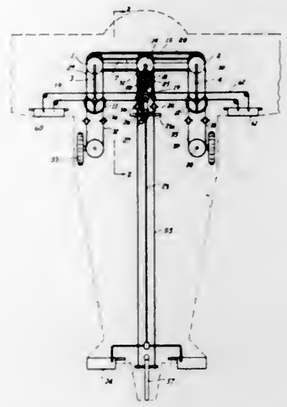
2,578,896
COMBINED SCRAPER AND CUTTER
George W. Moore, Twin Falls, Idaho
Application August 11, 1950, Serial No. 178,950
6 Claims. (Cl. 30—320)



1. A razor blade holder comprising a casing having a blade receiving slot, a razor blade carrier having a razor blade mounted thereon, said carrier being received in said casing, means operable exteriorly of said casing for moving said carrier to extend the razor blade through said slot in selective adjusted position, said razor blade having a slot, a pin in said casing extending through said razor blade slot for guiding said blade and carrier in said casing.

2,578,897
STEERABLE LANDING GEAR
Tomas Carrilero Oliver, Seville, Spain
Application September 11, 1948, Serial No. 48,809
In Spain February 24, 1948
6 Claims. (Cl. 244—50)

1. In an aircraft, in combination, a rotatable shaft, manual control means for rotating said shaft, a landing gear including a wheel and mounting means for said wheel including a rod substantially parallel to the plane of the wheel, said wheel having a hub rotatable about said rod, and mechanism operatively linking said wheel to said shaft for rotation about said rod in response to actuation of said control means, said mechanism comprising a movable control arm and a linkage independent of said rod connecting said



control arm with said hub, said linkage including a resilient link.

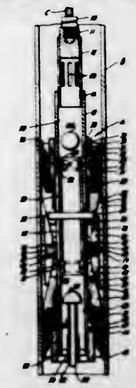
2,578,898
ELECTROLYTIC REMOVAL OF METALLIC COATINGS FROM VARIOUS BASE METALS
Henry G. Orlik, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application August 20, 1948, Serial No. 45,423
11 Claims. (Cl. 204—146)

1. A method of stripping a coating metal of the class consisting of nickel, copper, chromium, zinc, cadmium, tin, and silver from an underlying metal of the class consisting of brass, zinc base castings, aluminum, and steel which comprises making the metal part to be stripped the anode in a solution consisting essentially of about 64 to about 90 percent orthophosphoric acid, about 5 to about 14 percent acetic acid, and about 5 to about 24 percent water, all percentages being by weight, and passing an electrical current through said solution until a desired amount of said coating metal has been removed.

2,578,899
SUPERSTRETCHING POLYESTER STRUCTURES
Anderson Pace, Jr., Evanston, Ill., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1949, Serial No. 123,102
5 Claims. (Cl. 18—48)

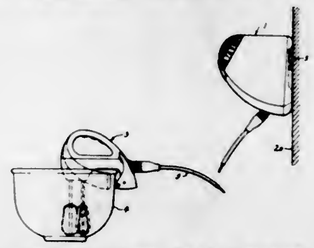
4. The process which comprises first stretching continuous filaments, of substantially amorphous synthetic linear polyester having an intrinsic viscosity of at least 0.3 from 10 to 75 times their original length at a temperature in the range of from 20° to 60° C. above the apparent minimum crystallization temperature for said polyester and thereafter drawing the stretched filaments at a lower temperature between the second order transition temperature for said polyester and 30° C. above the apparent minimum crystallization temperature to impart to said filaments the desired degree of molecular orientation.

2,578,900
WELL PACKER
Thomas M. Ragan, Downey, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application September 28, 1946, Serial No. 700,028
30 Claims. (Cl. 166—12)



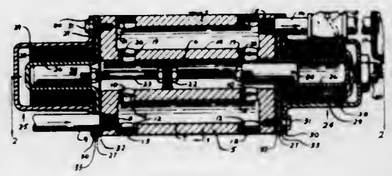
1. A well packer, including a body, upper and lower expander means on said body, upper and lower separate sets of slips coacting with said upper and lower expander means, respectively, said upper expander means and upper slips coacting with each other to anchor said body to a well casing against downward movement and said lower expander means and lower slips coacting with each other to anchor said body to said casing against upward movement, and means comprising packing means on said body above and engaging said upper expander means for shifting said upper slips relatively along said upper expander means and into engagement with said casing.

2,578,901
FLEXIBLE SHAFT SWITCH-ACTUATING MEANS FOR KITCHEN MIXER MOTORS
Howard F. Schmidt, San Diego, Calif., assignor of one-eighth to Walter J. Jason, one-eighth to Thomas P. Mahoney, one-eighth to Mildred E. Novak, all of San Diego, and one-eighth to Glendon T. Geriach, Coronado, Calif.
Application March 23, 1946, Serial No. 656,582
6 Claims. (Cl. 259—131)



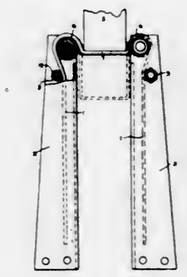
1. In a mixing device, beater means, a motor located separately and remotely from said beater means, a flexible transmission shaft, arranged for bodily movement, interconnecting said beater means and said motor whereby said motor effects operation of said beater means, a first switch located at and carried by said motor for effecting starting and stopping thereof, a second switch located at and carried by said motor for effecting starting and stopping thereof, switching means located at and carried by said beater means and an operative connection between said switching means and one of said switches at said motor, said operative connection comprising said flexible transmission shaft, said switching means being manually operable to bodily move said flexible shaft to actuate said one of said switches at said motor.

2,578,902
MAGNETICALLY OPERATED PUMP
Dale Smith, Englewood, Ohio
Application September 15, 1947, Serial No. 774,025
5 Claims. (Cl. 103—53)



1. A magnetically operated pump comprising a body having therein a cylindrical bore constituting a pump cylinder, said body also having therein inlet and discharge passages extending lengthwise of said cylinder for the major portion of the length of the latter, and valve controlled ports connecting each passage with said cylinder adjacent the respective ends of the latter, a piston in said cylinder, solenoids secured to the respective ends of said body and each including a longitudinally movable armature rigidly connected with the adjacent side of said piston in spaced relation thereto, and means for energizing said solenoids automatically to impart reciprocatory movement to said piston.

2,578,903
SHOCK ABSORBER
William Herbert Smith, East Molesey, England
Application April 9, 1947, Serial No. 740,497
In Great Britain November 13, 1944
6 Claims. (Cl. 188—1)



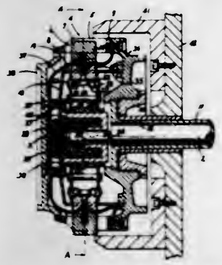
1. A shock absorber in which the energy of impact of two parts moving towards each other is absorbed by the strain energy due to bending a strip of ductile metal beyond its elastic limit, comprising one part comprising a pair of spaced supports having substantially cylindrically curved surfaces and a mild steel strip extending between said supports and being bent around and extending beyond said curved surfaces, and another part

consisting of means movable upon impact to engage said one part and move said strip around said curved surfaces to stress the steel of the strip beyond its elastic limit and absorb the energy of impact by strain energy.

2,578,904
STABILIZATION OF CHLORINATED ETHYLENE POLYMER
Gelu Stoeff Stamatoff, Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 18, 1949, Serial No. 82,267
9 Claims. (Cl. 260—8)

1. Process of treating a finely-divided, preformed solid chlorinated ethylene polymer which comprises agitating at a temperature of at least 50° C. said polymer suspended in an aqueous medium containing, per 100 parts of polymer by weight, 0.2–5 parts of propene oxide and 0.1–0.5 part of a proteinaceous substance.

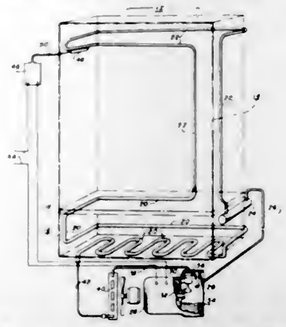
2,578,905
THREAD STORAGE REEL
Richard W. Stanley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 8, 1947, Serial No. 772,838
6 Claims. (Cl. 28—71.7)



3. A thread advancing reel comprising a pair of longitudinally extending cage-like members each having a plurality of thread supporting bars, the thread supporting bars of one cage-like member being positioned between the thread supporting bars of the other cage-like member, means for supporting the thread supporting bars of two cage-like members for rotation about parallel eccentric axes, and rotatable means rotatable and extending in a plane inclined to the axes about which the thread supporting bars rotate engaging the thread supporting bars of one of the cage-like members for moving those thread supporting bars in a longitudinal direction, the supporting means for the longitudinally movable thread supporting bars having spaced longitudinally extending portions laterally engaging the thread supporting bars to guide the thread supporting bars during their longitudinal movement.

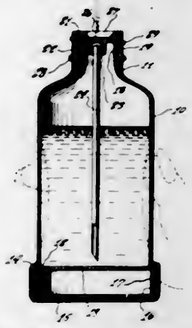
2,578,906
REFRIGERATION APPARATUS
Raymond E. Tobey, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1949, Serial No. 108,959
3 Claims. (Cl. 62—117.3)

1. In a refrigerator having a first and a second food storage chamber, a first evaporator adapted to cool said first chamber, a second evaporator adapted to cool said second chamber, said first and second evaporators being connected in series, refrigerant compressing and condensing apparatus for supplying said first evaporator with liquid refrigerant and for withdrawing refrigerant vapor from said second evaporator and means for actuating said apparatus intermittently to maintain the temperature of said second chamber between predetermined limits, said second evaporator being located above said first evaporator, said second evaporator comprises a tube



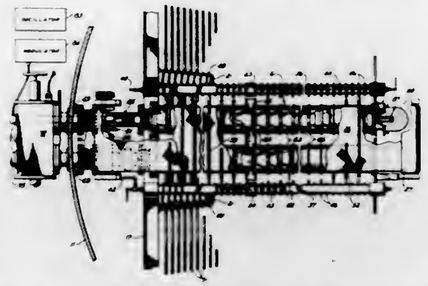
having a flow area smaller than the flow area of said first evaporator, the construction and arrangement being such that the velocity of the gaseous refrigerant entering the tube during active periods of the compressing and condensing apparatus is increased to a value at which liquid refrigerant is carried in suspension in the gaseous refrigerant entering the tube, said tube being inclined for the gravitational flow of liquid refrigerant to the first evaporator during inactive periods of the compressing and condensing apparatus.

2,578,907
ATOMIZER CASE
Earl S. Tupper, Upton, Mass.
Application November 26, 1948, Serial No. 62,207
1 Claim. (Cl. 299—90)



A nozzle insertable in an atomizer having a resilient and compressible body with a closed lower end and an atomizing tube terminating short of said end, said nozzle being made of flexible material and having an orifice and puncturable closure means for initially closing said orifice, said nozzle having a centrally apertured depending sleeve portion in communication with said orifice and adapted to grip the upper end of said tube, said sleeve portion having groove means on its inner wall for delivering air to the upper end of said tube within the sleeve portion from the interior of said atomizer body to said orifice, whereby upon puncturing said orifice closure means, compression of said atomizer body will force air through said passages and through said orifice and dispense the contents of said container by atomizing action.

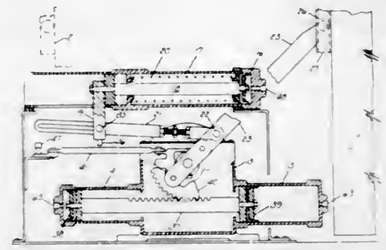
2,578,908
ELECTROSTATIC GENERATOR
Clarence M. Turner, Richmond, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application May 26, 1947, Serial No. 750,465
20 Claims. (Cl. 315—5)



9. In an electrostatic generator having in combination an electrode adapted to be charged to a high positive potential with respect to ground and a potential gradient means connecting the electrode to ground; a segmental, evacuated, electron accelerating tube, an electron emissive element disposed at one end of said tube, a target element in the path of the electron stream within the tube and located at the opposite end thereof, a modulated radio-frequency oscillator unit connected to said emissive element, an ionization chamber for the production of positive ions, a cavity resonator connected to said chamber and serving to group said ions into bunches, control means responsive to the stream of electrons impinging upon the target and serving to energize both the ionization chamber and said resonator, a segmental evacuated, ion accelerating tube communicating with said resonator, electrically driven accelerating means for projecting the ions at high velocity from the resonator into the latter tube and connections from the potential gradient means to the segments of both the electron and ion accelerating tubes whereby bunches of electrons and ions passing respectively therethrough are accelerated by the action of the charge on said electrode.

2,578,909
DOOR OPERATION AND CONTROL
William C. Turner, Rahway, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass., a corporation of Delaware
Application July 3, 1948, Serial No. 36,990
2 Claims. (Cl. 268—50)

2. Door operating means comprising a lever pivotally mounted for swinging in an arc, the free end of said lever being connected to the door to move the latter from a closed position to an open position as the lever swings through its arcuate path, a first power unit including cylinder having a spring-biased piston therein, a piston rod attached to said piston, a control arm projecting from said rod, a second power unit including a shaft and a clutch driven by said shaft, the driven element of said clutch being operatively connected to said lever to move it

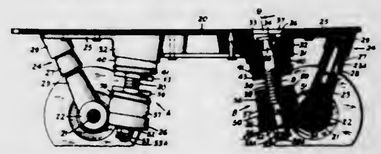


through said arcuate path, means operated by said control arm for holding said clutch engaged, so long as fluid pressure is acting upon said piston, and resilient means for disengaging said clutch upon release of said fluid pressure.

2,578,910
POLYMERIZATION OF VINYL COMPOUNDS IN THE PRESENCE OF HETEROCYCLIC NITROGEN COMPOUNDS AS ACTIVATORS
Carl A. Uraneck, Borger, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application June 1, 1948, Serial No. 30,517
14 Claims. (Cl. 260—84.1)

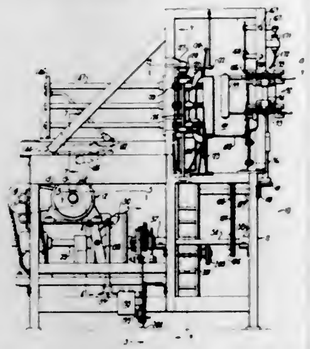
1. In a process for the production of a polymeric synthetic rubber by copolymerization in aqueous emulsion of a monomeric material comprising a major amount of 1,3-butadiene and a minor amount of styrene, the improvement which comprises effecting said polymerization at a temperature between −30 and 20° C. in the presence of 0.02 to 2 parts of phenyl(dimethyl)-hydroperoxymethane and of 0.5 to 3 parts of ferrous-2,2′-dipyridyl sulfate, all being parts by weight per 100 parts of said monomeric material.

2,578,911
ROLLER SKATE
Earl Van Horn, Mineola, N. Y.
Application May 14, 1948, Serial No. 27,043
4 Claims. (Cl. 280—11.28)



1. In a skate, a foot-plate, a roller assembly comprising an axle, an axle bracket having a truck arm interconnecting the foot-plate and the axle, a kingpin, a universal joint connection between one end of the kingpin and the foot-plate, a resilient pressure member between the kingpin and the foot-plate, a universal joint connection between the other end of the kingpin and the axle bracket, a second resilient pressure member between the kingpin and the axle bracket, and means for adjusting said pressure members independently, said adjusting means comprising a pair of nuts between said pressure members in threaded engagement with the kingpin.

2,578,912
APPARATUS FOR REMOVING CANS FROM CARTONS
Lawrence W. Waters, Ontario, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application February 14, 1949, Serial No. 76,272
14 Claims. (Cl. 214—1.1)

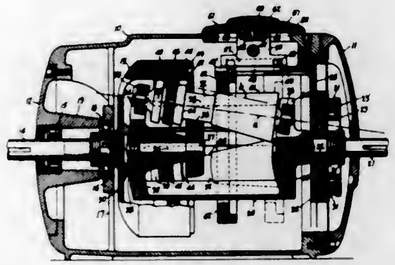


3. A can decasing machine comprising a plurality of can gripping plungers reciprocable in a fixed horizontal path, the plungers being relatively fixed and aligned in a vertical plane perpendicular to their path of travel, the number of plungers agreeing with the number of cans in a tier in a case, the axes of the plungers being relatively spaced to correspond and substantially register with the axes of the cans in a tier in a case, means for supporting an open case of cans on one of its sides with the open top thereof disposed in parallelism to the vertical plane in which the plungers are aligned with two tiers of cans therein vertically arranged in parallelism to the vertical plane in which the plungers are aligned with the longitudinal axes of the cans disposed substantially co-extensive relative to the axes of the plungers and their path of travel and with the open ends of the cans facing the plungers with the ends of the cans of the tier most closely adjacent to the plungers being spaced from the plungers when the plungers are in normal position a distance greater than a can length, each of said plungers being of a formation and diametrical dimension to enable it to be projected into interior gripping engagement with the annular wall of a can, means for operating said plungers through a can gripping cycle comprising a first shorter stroke to engage the plungers with the cans of the most closely adjacent tier and remove them from the case and a second longer stroke to engage the plungers with the cans of the remaining tier and remove them from the case, stripper means engaging the cans to strip them from the plungers at the ends of the plunger strokes when said cans are disposed in the space between the case and the normal position of the plungers whereby the removed cans may descend by gravity when so stripped.

2,578,913
FLUORINATION OF HYDROCARBONS
Gerald M. Whitman, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1949, Serial No. 125,171
8 Claims. (Cl. 260—653)

1. A process for preparing fluorinated hydrocarbons which comprises heating, in contact with a catalyst to reaction temperature within the range of 325° to 700° C., a mixture of a paraffin hydrocarbon, hydrogen fluoride, and oxygen, said catalyst being selected from the group consisting of inorganic salts and oxides of a variable valent metal.

2,578,914
VARIABLE-SPEED TRANSMISSION
Alfred G. Bade, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 28, 1945, Serial No. 596,353
7 Claims. (Cl. 74—796)



1. In a variable speed transmission the combination of a plurality of inclined planet rollers revolvable about a central axis, two coaxial torque sustaining rings encircling said rollers, one of said rings being rotatable relative to the other, the center of gravity of each of said rollers being disposed between said rings so that said rollers are centrifugally urged against both of said rings in all relative positions of said rings and rollers, said rings coacting with said rollers to maintain the inclination of said rollers relative to said axis, each of said rollers having a longitudinally extended tapered section in contact with one of said rings, and means for effecting relative adjustment between said last mentioned ring and said sections in a direction lengthwise of said sections to vary the speed ratio of the transmission, the angle of taper of said sections being equal to the inclination of said rollers whereby the inclination of said rollers is not disturbed by said relative adjustment between said last mentioned ring and sections.

2,578,915
PREPARATION OF FRUIT FLAVORS AND THE RESULTING PRODUCT
John Bartels, Dobbs Ferry, N. Y.
No Drawing. Application October 8, 1949, Serial No. 120,410
3 Claims. (Cl. 99—193)

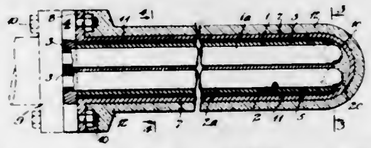
1. A process for the preparation of a fruit flavor comprising the steps of separating shortly after harvesting the rind from the pulp of the fruit whose flavor is desired, comminuting the separated rind, combining the rind with sugar, permitting the rind-sugar mixture to be substantially integrated, combining the integrated mixture with the juice of the fruit, mixing the juice and the rind-sugar mixture thoroughly, and quick freezing the product.

2,578,916
MASSAGE APPARATUS
Albert Belleville, Grand-Lancy, near Geneva, Switzerland
Application July 17, 1950, Serial No. 174,236
In Switzerland September 23, 1949
4 Claims. (Cl. 128—57)



1. A roller for rolling massage apparatus comprising substantially conical radially projecting teeth having a rounded tip and alternately inclined in one direction and in the other with respect to the mean transverse plane of the roller.

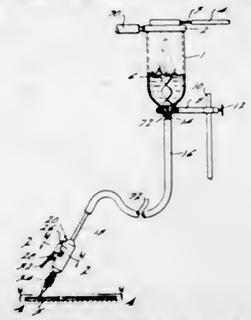
2,578,917
TUBEFLO SECTION
William Bisch, Holmdel, N. J., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware
Application June 12, 1946, Serial No. 676,178
2 Claims. (Cl. 257—241)



1. A composite heat exchanger unit including two substantially parallel juxtapositioned prefabricated metallic tubes, a plurality of prefabricated metal fillers positioned to fill substantially all of the space between the outer walls of said tubes along substantially the entire length thereof and a casing enclosing said fillers and tubes with a small clearance between the inner surface of said casing and the surface of said fillers and tubes so as to maintain said fillers and tubes in close association, said casing containing interstitial liquid filling all of the space therewithin not occupied by the fillers and tubes and the outer surface of said tubes being thermally united by said liquid with the contiguous surface of said fillers.

2,578,918
PAINT APPLYING APPARATUS
Leonard Boddy and Smith B. Atwood, Jr., Ann Arbor, Mich., assignors to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application June 1, 1949, Serial No. 96,548
3 Claims. (Cl. 91—43)

1. An apparatus for applying paint comprising a paint storage container having an open top and a closed lower end wall with an outlet aperture extending through said end wall, an elongated distributing member having a passageway extending longitudinally therethrough, a flexible tube interconnecting said outlet and said passageway, a flow controlling member carried by said member and movable to control flow of fluid through said passageway, an operating means for



said flow controlling member carried by said distributing member, a cap member for said container and closing said open top, agitating means carried by said cap and comprising a spiraled ribbon extending into said container, and a fluid motor carried by said cap and operatively connected to actuate said agitating means.

2,578,919
GLASS-CUTTING TABLE
Robert C. Bowers, Cuyahoga Falls, Ohio, assignor to The F. C. Russell Company, Cleveland, Ohio, a corporation of Ohio
Application November 5, 1947, Serial No. 784,267
15 Claims. (Cl. 33—76)

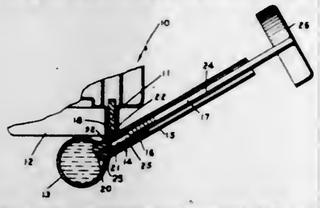


1. A glass processing table comprising a plurality of glass supporting elements and means mounting the same in spaced relation, each element including a metal strip having a reverse bend therein, the bends of all of the elements being disposed substantially in a common plane for concurrent contact with a sheet of glass being processed, and a cutting guide having angularly disposed flange elements supported on the mounting means transversely to the glass supporting elements and above the glass contacting plane, the flange elements of the guide having free edges disposed closely adjacent said plane.

2,578,920
VALVE CONSTRUCTION
Carroll M. Breed, Ypsilanti, Mich.
Application July 29, 1946, Serial No. 687,035
2 Claims. (Cl. 251—43)

1. A regulating valve assembly for oil burners, comprising a supply container having an opening through one wall, a steel tube having an opening through one side intermediate the ends thereof and positioned with the inner end abutting

said wall of the container around the opening through said wall, an insert of rust resisting material secured within the inner end portion of the tube and having an axially extending bore therethrough enlarged at the outer end of the insert to provide an annular valve seat intermediate the ends of the bore, a port through one side of the insert connecting the enlarged portion of the bore with the opening in said tube, said insert having the inner end projecting inwardly beyond the adjacent end of the tube into the opening in said supply container and having



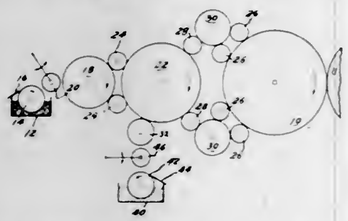
the outer end projecting beyond the opening in said tube whereby fluid passes solely through the bore in the insert between the supply container and the opening in said tube, a valve member having a stem projecting into the tube through the outer end thereof and threaded into the enlarged portion of the bore in the insert, and a reduced part on the inner end of the valve stem engageable with the valve seat.

2,578,921

INKING APPARATUS FOR USE WITH INKS HAVING HIGHLY VOLATILE SOLVENTS

George Cramer, Peekskill, N. Y., assignor to Sinclair and Valentine Co., New York, N. Y., a corporation of New York

Application October 29, 1949, Serial No. 124,354
2 Claims. (Cl. 101—350)



1. An inking mechanism for high speed rotary printing presses including in combination an ink fountain, a plurality of ink transferring and distributing rollers contacting with each other to feed ink as they rotate and to apply a film of ink to a rotary printing surface, a solvent fountain, and means for feeding solvent at a regulable rate from said fountain to an intermediate one of said rollers to compensate for loss of ink solvent by evaporation said solvent feeding means comprising transfer rollers between the solvent fountain and one of the inking rollers, said solvent transfer rollers applying the solvent to one of the inking rollers after the inking roller has transferred its film of ink.

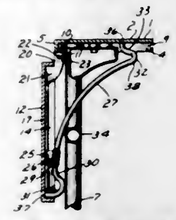
2,578,922

PIVOTED PROP SUPPORT MEMBERS FOR DROP-LEAF TABLES OR THE LIKE

Roy A. Cramer, Kansas City, Mo.

Application September 22, 1950, Serial No. 186,202
2 Claims. (Cl. 311—65)

1. In a table or the like having spaced supporting legs at each end thereof and having a top and drop leaves hingedly secured to said top, prop support members for said leaves comprising curved rods, means pivotally connecting said rods near their outer ends to the underneath side of said leaves near their outer edges, cross bars connecting said legs and spaced from said top, the inner ends of said rods being curved upwardly and inwardly toward said cross bars providing bearing surfaces engaging said bars when the leaves are raised, and hooks on the outer ends



of said rods having bearing surfaces engaging the under surface of said leaves whereby downward pressure on the hooks by a user will raise the bearing surfaces on the inner end of the rods from the cross bars and the weight of the long end of the rods from their pivoted points will cause the bearing surfaces on the hooks to again engage the under surface of the leaves to hold the rods suspended when the leaves are lowered and will cause the bearing surfaces to contact the cross bars when the leaves are raised.

2,578,923

PAPER FASTENER

Jay D. Crary, Portland, Oreg.

Application July 12, 1947, Serial No. 760,543
1 Claims. (Cl. 24—153)



A paper fastener having a T-shaped head and a pair of separable legs for penetrating and fastening a plurality of sheets together, said head having a slot extending therethrough throughout the full width of said head and in a plane perpendicular to the longitudinal direction of said legs, an X-shaped element arranged within said slot and including a pair of relatively short legs extending parallel with and along the opposite edges of the legs of said fastener and a further pair of portions extending lengthwise of said slot throughout substantially the full lateral extent thereof for retaining said element in a substantially centered relation with respect to said legs.

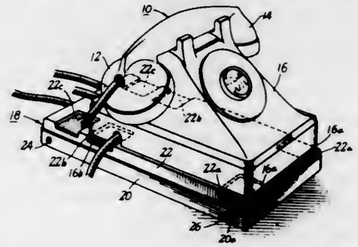
2,578,924

INDUCTIVE PICKUP DEVICE

Roger C. Curtis, New Haven, and Leland D. Norton, Fairfield, Conn., assignors to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York

Application September 14, 1948, Serial No. 49,282
4 Claims. (Cl. 179—6)

1. In a telephone system, an inductive coupling apparatus which is responsive selectively to telephone signals and discriminates against extraneous signals from other sources, said induction coupling apparatus comprising a magnetic flux generator responsive to a current containing information to be relayed and arranged to produce a magnetic field in accordance with the characteristics of said current, and a flux responsive device positioned adjacent but spaced from said flux generator, said generator and flux responsive device being so positioned relative to each other that all of the flux lines produced by said flux generator which couple to said flux responsive device extend through unshielded air coupling paths separating said generator from said flux responsive device, said flux responsive device being selectively responsive to flux originating adjacent thereto and including a core of magnetic material having a common central portion and first and second pairs of leg portions integrally connected to said central portion and projecting at an angle therefrom, said first pair



of leg portions extending generally in the direction of said flux generator and the second pair of said leg portions extending in a direction generally away from said flux generator, and first, second, third, and fourth windings each coupled respectively to one of said leg portions so as to be selectively responsive to magnetic flux therein, said windings being serially connected in an output circuit in such manner that increasing lines of magnetic force having a given direction through said first pair of leg portions and linking said first and second windings will produce therein voltages which are additive in said output circuit and increasing lines of magnetic force extending in said given direction through said second pair of leg portions and linking said third and fourth windings will produce therein voltages which will oppose in said output circuit the voltages produced in said first and second windings.

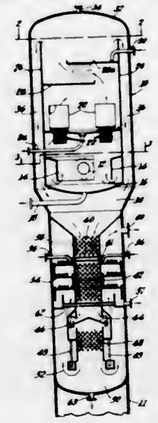
2,578,925

FRACTIONATING TOWER

Hyman R. Davis, Jackson Heights, N. Y.

Application January 15, 1948, Serial No. 2,412
2 Claims. (Cl. 202—158)

1. A vacuum distillation column having an intermediate vaporization chamber, means to feed a vaporizable material thereto, a scrubbing section to remove heavy components of the vapors above the vaporization chamber, a vapor dome portion above the scrubbing section, integral vapor removal ducts within the column in open communication with the vapor dome, heat exchange means extending transversely of the column below the inlet to the vaporization chamber, integral baffles confining the vapors to said heat exchange surface, said baffles being open at their lower end, and internally in communication with the lower ends of the ducts, means to apply a vacuum to the space between the baffles and intermediate the length of the column whereby vapors will flow from the vaporization chamber through the scrubbing section to the upper part of the column, thence through the internal ducts to and across the heat exchange surface, thence to the lower part of the column and thence along the wall of the column to the point of vacuum



application, a series of bubble decks between the heat exchange enclosure baffles and the column wall, said bubble decks being in the path of vapors passing from the heat exchange means to the point of vacuum application and means to supply scrubbing liquid thereto.

2,578,926

AUTOMATIC SHUTOFF FOR FILLING SPOUTS

Wallace R. Douglas, Crete, Nebr.

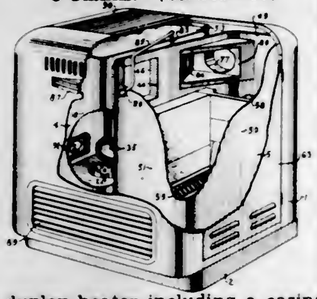
Application December 5, 1947, Serial No. 789,865
3 Claims. (Cl. 226—127)



1. A filling spout for use as a discharge fitting of valve controlled hose lines for dispensing liquids comprising, a tubular member having a flow passage therethrough, means for connecting one end of said tubular member to the hose line for flow of liquid from the hose line through the passage in said tubular member, a valve body in said flow passage having a cylindrical portion adapted to engage the walls of said flow passage, said valve member having a longitudinal opening extending therethrough, a valve seat around said opening on the inlet end of said cylindrical body sloping toward the inlet end of the tubular member at an angle to the axis of the cylindrical body, a valve member, means pivotally mounting the valve member on the valve body for

swinging movement into engagement with the valve seat for substantially closing the opening in the valve body, an extension on the inlet end of the valve body at an acute angle to the valve seat and positioned for engagement with the valve member when in open position, means at the end of the extension and adjacent the free end of the open valve member for deflecting the flow of liquid therearound, a float in the discharge end of the tubular member, a float housing surrounding the float for deflecting flow of liquid therefrom, said housing having liquid flow passages therearound to the discharge end of said tubular member, and means connecting the float to the valve member whereby the float normally maintains the valve member in open position and movement of said float responsive to rise of level of liquid in the float housing moves the valve member into engagement with the valve seat to substantially interrupt flow of liquid through the spout.

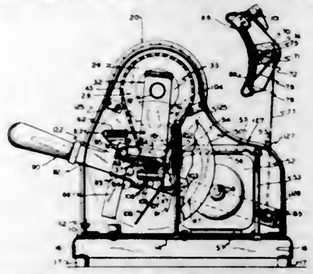
2,578,927
DUPLEX HEATER
Edwin Esson, Kansas City, Mo., assignor to Locke Stove Company, Kansas City, Mo., a corporation of Missouri
Application June 4, 1948, Serial No. 31,171
3 Claims. (Cl. 126—67)



1. A duplex heater including a casing, a fluid fuel burning unit in the casing having a combustion chamber and a burner pot chamber adapted to contain a burner pot and having an outlet into the combustion chamber, means for closing said outlet when the burner pot is not in operation, a solid fuel burning unit in the casing having a combustion chamber, means forming separate outlets for discharge of products of combustion from the combustion chambers, means forming an interconnecting passageway between said combustion chambers for passing products of combustion from one unit to the other, and means for closing the outlet of the combustion chamber for the solid fuel burning unit and opening the outlet to the other combustion chamber to effect flow of products of combustion through the other unit.

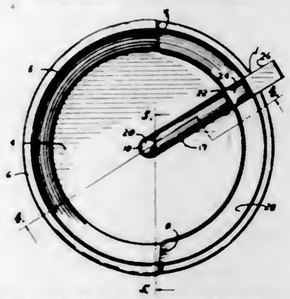
2,578,928
PORTABLE DOMESTIC IRONING MACHINE WITH FRICTION DRIVE
Frederick M. Freis, Chicago, Ill., assignor, by mesne assignments, to Conlon-Moore Corporation, Cicero, Ill., a corporation of Delaware
Application December 12, 1945, Serial No. 634,419
6 Claims. (Cl. 38—60)

1. In an ironing machine, a roll, a rockably mounted shoe shaft in back of said roll, a shoe carried by said shaft movable thereby to and from said roll, a lever fixed to said shaft extending forwardly therefrom having an upper inoperative position in which said shoe is away from said roll and movable downward to a lower operative position in which said shoe is moved to said roll, yielding means urging said lever toward its upper position, a motor having a drive shaft with a gear thereon, a swinging support yieldingly urged away from said motor shaft, means for establishing and disestablishing driving connection between said motor and said roll comprising a transmission gear in front of said motor shaft carried by said support movable therewith rearward and forward into and out of



driving engagement with said motor shaft gear, and a downwardly and forwardly inclined resilient cam member secured to said support, said lever having a cam member disposed to contact said support cam member and thereby move said transmission gear into driving engagement with said motor shaft gear in the downward movement of said lever and to clear said support cam member and thereby free said support member for forward movement thereof into position with said transmission gear disengaged from said motor shaft gear in the upward movement of said lever.

2,578,929
PIE AND CAKE PAN
Raymond L. Hall, Kansas City, Mo.
Application January 16, 1950, Serial No. 138,768
3 Claims. (Cl. 99—429)



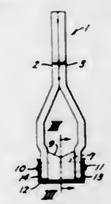
1. A pan of the character described comprising, a pair of separable pan sections, one of said sections having a circular bottom, the other of said sections having a bottom adapted to underlie the circular bottom and having a radial slot therein, side walls integral with the respective bottoms, said side walls having edges in overlapping relation, a pivot located centrally of said circular bottom and extending through the slot in the other bottom, and a blade member having inner ends engaged with said pivot for rotary movement thereabout, said blade member having a portion engaging the wall of the section having the slotted bottom for retaining same in complementary position relative to the section having the circular bottom.

2,578,930
FOWL PICKER
Fred Hanshaw, Port Huron, Mich.
Application June 24, 1947, Serial No. 756,619
7 Claims. (Cl. 17—11.1)



1. In fowl picking apparatus, a plurality of feather picking teeth, a carrier for said teeth, and mountings for fastening said teeth individually on said carrier, each mounting including a pair of individual brackets on opposite sides of and fastened to one of the teeth, said brackets having lateral extensions which project outwardly in divergent relation from opposite sides of the tooth, and retainers on the carrier having portions overlying and in detachable interlocking engagement with said lateral extensions and depending end portions arranged to hold said lateral extensions normally interlocked with said first mentioned portions.

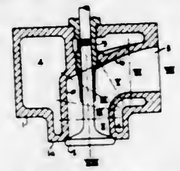
2,578,931
WEIGHING SCALE STIRRUP
Norman E. Hart, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application December 16, 1949, Serial No. 133,460
4 Claims. (Cl. 308—2)



1. A weighing scale stirrup comprising a U-shaped member having a pair of parallel spaced apart arms each having a hole and a non-circular end, a pin inserted through the holes in the arms of the member, a V-bearing block including a generally flat surface mounted on the pin intermediate the arms of the member, and a spring that engages the ends of the pin and that passes closely adjacent the non-circular ends of the arms of the member and the flat surface of said bearing for holding the pin in position and the bearing against rotation on the pin.

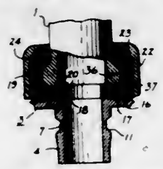
2,578,932
EXHAUST DEVICE FOR FLUID FLOWING AT HIGH VELOCITY
Julius O. Hinse and Cornelis Stillebroer, Delft, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 22, 1948, Serial No. 22,684
In the Netherlands May 1, 1947
12 Claims. (Cl. 60—29)

1. An exhaust device for a fluid flowing at high velocity and under pressure into a medium at lower pressure, which comprises a wall structure defining a tubular exhaust channel, said channel having a substantially square bend intermediate thereto, the cross section of said channel being circular at its inlet end and passing from said inlet end gradually into cross sections having contours with substantially straight portions on



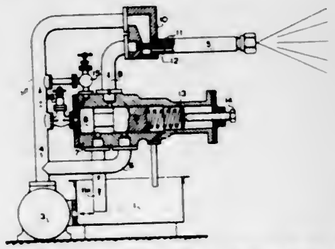
the side outside of said bend, and the longitudinal section of the wall on the outside of the bend having a contour of two essentially straight segments forming an angle.

2,578,933
COUPLING
Robert H. Hunter, Gates Mills, and Elmer J. Kasper, Cleveland, Ohio; said Kasper assignor to said Hunter
Application December 2, 1947, Serial No. 789,228
16 Claims. (Cl. 285—90)



1. A faucet connector comprising a body member having a recess and a discharge opening communicating with said recess, a deformable gasket disposed in the recess and having an opening continuous with the discharge opening of the body member, an annular deformable gasket for embracing a faucet end, a collar surrounding the annular gasket and having connection with the body member for drawing the parts together in compressing the annular gasket against a faucet embraced thereby and in holding the first mentioned gasket against the end of the faucet, the relative size of the gaskets permitting endwise abutment of the annular gasket against the first mentioned gasket in assembly.

2,578,934
ADJUSTABLE BURNER FOR LIQUID FUEL
Hendrik J. J. Janssen, The Hague, Netherlands
Application June 7, 1947, Serial No. 753,214
In the Netherlands August 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 1, 1965
12 Claims. (Cl. 299—58)



1. In an atomizer, a swirl chamber; first and second entry passages to said swirl chamber, at

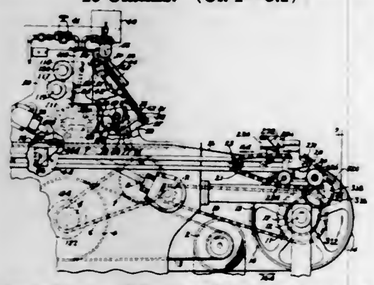
least the first passageway being directed tangentially thereto; dual means for supplying, respectively to the two entry passageways, fuel under pressure to be atomized by flow through said swirl chamber; regulatable means having first and second positions for converting the supply means for the second passageway into means for withdrawing from said swirl chamber a portion of the fuel supplied by the other of said supply means when in the second position and leaving said supply means unconverted when in the first position; and means responsive to said pressure for operating said regulatable means to move the regulatable means to the said first position at a relatively higher pressure and to the said second position at a relatively lower pressure.

2,578,935
HEN'S NEST
Elmer C. Karstedt, Burlington, Wis.
Application August 18, 1948, Serial No. 44,879
3 Claims. (Cl. 119—45)



1. In a hen's nest, a substantially flat floor on which is disposed nest litter, said floor being formed with a plurality of upstanding offsets, and said floor being also formed with a ventilating aperture extending therethrough at the apex of each of said offsets.

2,578,936
BOX-PART MAKING MACHINE
David G. Kingsley, Mountain Lakes, N. J., assignor to Stapling Machines Co., Rockaway, N. J., a corporation of Delaware
Application May 17, 1950, Serial No. 162,512
19 Claims. (Cl. 1—8.1)



1. In a box-making machine having a moving conveyor for feeding box-part units and a plurality of stapling units spaced laterally of said conveyor for forming staples from wire fed thereto and for driving said staples into said box-part units, the combination therewith of means for driving said stapling units, a stapling unit drive control mechanism associated with said driving means and operable to render said driving means effective to drive said stapling units, a first pattern control assembly having a plurality of control elements adapted for successive control of said drive control mechanism, the condition of said control elements being variable to effect interruption of the operation of said stapling units as desired, a wire feed mechanism associated with each of said stapling units, a feed control mechanism associated with one or more of said wire feed mechanisms and operable to render said wire feed mechanisms operative to feed wire thereby to render the associated stapling units effective to drive staples, and a second pattern control assembly having a plurality of control elements adapted for successive control of one or more of said feed control mechanisms, the condition of said control elements being variable to render said wire feed mechanisms operative to feed wire, whereby to allow variation in the spacing of staples in the longitudinal rows of staples in said box-part units and omission of staples from one or more of said longitudinal rows of staples as desired.

2,578,937
MIXED BED DEIONIZATION
Robert Kunin, Trenton, and Francis X. McGarvey, Haddon Heights, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 22, 1948, Serial No. 28,724
7 Claims. (Cl. 127—46)

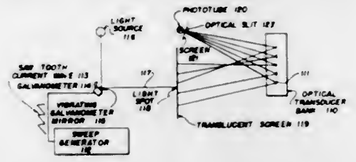
1. The cyclic process of deionizing a liquid which comprises bringing the liquid into contact with a mixture of an anion-exchange resin having a specific gravity in water below 1.15 and containing quaternary ammonium hydroxide groups attached through methylene groups to aromatic rings of a cross-linked styrene polymer and a cation-exchange resin containing sulfonic acid groups and having a specific gravity in water above 1.25, separating the liquid from the resin, passing water upwards through a column of the mixed resin at a rate sufficient to cause a 100% to 300% expansion of the resin bed and stratification of the two resins, increasing the rate of upward flow to fluidize the anion-exchanger and thereby separate it from the cation-exchanger, regenerating the separated exchangers and remixing the regenerated resins.

2,578,938
DEIONIZATION OF SUGAR SOLUTIONS
Robert Kunin, Trenton, and Francis X. McGarvey, Haddon Heights, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 15, 1950, Serial No. 168,381
4 Claims. (Cl. 127—46)

1. The process of removing ionizable impurities from a sugar solution which comprises passing the solution through a mixed bed of an anion-exchange resin and a cation-exchange resin, the anion-exchange resin being one the polar groups of which are primarily quaternary ammonium hydroxide groups and the cation-exchange resin being one the polar groups of which are primarily carboxylic acid groups.

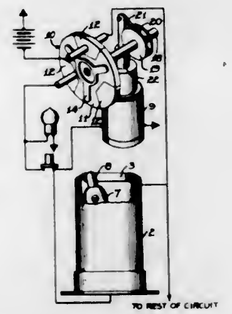
2,578,939
TELEMETERING
Robert B. Moran, Jr., Pasadena, Calif., assignor to Moran Instrument Corporation, Pasadena, Calif., a corporation of California
Application March 1, 1948, Serial No. 12,387
8 Claims. (Cl. 177—351)

1. In a telemetering transmitter, the combination which comprises transducers for moving a plurality of optical images simultaneously along the same line, the instantaneous positions of the respective images on the line corresponding respectively to the amplitudes at the same instant of respective functions being measured, the arrangement being such that the images can cross each other in moving along the line, photoelectric means for cyclically scanning the line and producing a series of separate electrical signal pulses of the same sign, the spacing of which in each scanning cycle corresponds respectively to



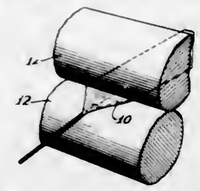
the spacing of the scanned images on the line at the instant of scanning, means for interspersing in the series of signal pulses a series of marker pulses of different duration than the signal pulses but of the same sign and each corresponding to the same point in successive scanning cycles, and pulse modulating means for transmitting the resulting combined series of pulses as separate radiated R. F. pulses.

2,578,940
CURRENT SHUTOFF MECHANISM
Edward A. Morris, Santa Barbara, Calif.
Application May 2, 1950, Serial No. 159,415
2 Claims. (Cl. 200—105)



1. An electro-magnetic control switch for an emergency cutout ignition system which comprises, a rotating disc, a magnet, ratchet means for effecting partial rotation of said disc in response to successive actuations of said magnet, said disc having alternately circumferentially spaced-apart insulating and conducting segments, a pair of contact members positioned to be electrically connected and electrically insulated by the successive conducting and insulating segments of said disc on alternate actuations of said magnet, a star-shaped contact member on one face of said disc for making contact with one of said pairs of contacts on movement of the insulating segments between said pairs of contacts, and a contact member making continuous contact with said star-shaped contact member.

2,578,941
ASBESTOS YARN AND METHOD OF PRODUCTION
Izador J. Novak, Trumbull, Conn., and Clifford W. Palm, Manheim, Pa., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application April 28, 1949, Serial No. 90,238
10 Claims. (Cl. 57—139)



1. The method of making asbestos yarn, which comprises continuously passing forwardly an elongated mass of yieldably bonded asbestos fibers the majority of which are disposed generally parallel to each other and generally parallel to the length of the mass, retaining said mass, intermediate its travel, in the form of a web of greater width than thickness, continuously displacing adjacent fibers comprising said web longitudinally with respect to each other at a decreasing rate from the edges of said web toward its longitudinal center while laterally displacing said fibers and accumulating them adjacent the projected longitudinal axis of the web by simultaneously subjecting said web to torsion and tension.

2,578,942
REVERSIBLE DISK PLOW FOR TRACTORS
George R. Onfrey, Bakersfield, Calif., assignor to Phillips Foundry Company, Bakersfield, Calif., a corporation of California
Application August 12, 1948, Serial No. 43,920
15 Claims. (Cl. 97—32)



1. A plow attachable to tractors having power-elevatable drawbars comprising a frame adapted to be attached to the drawbar thereof, a plow beam rotatably mounted upon the frame for rotation about a vertical axis, a plow mounted on the plow beam adapted to be carried thereby into one position wherein it will throw a furrow to the right and also into another position to throw to the left, a furrow wheel rotatably mounted on the frame behind the plow beam for rotation about a vertical axis, means operatively connecting the furrow wheel to the plow beam to cause the furrow wheel to alter its position in conformity with the position assumed by the plow on the plow beam, and means for altering the position of the plow beam and of the furrow wheel by the elevation of the frame with relation to the tractor.

2,578,943

METHOD OF TREATING GELATIN CAPSULES AND PRODUCT RESULTING THEREFROM

Blasey T. Palermo and Shelby C. McMillion, Detroit, Mich., assignors to R. P. Scherer Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application March 5, 1949, Serial No. 79,908
5 Claims. (Cl. 117—118)

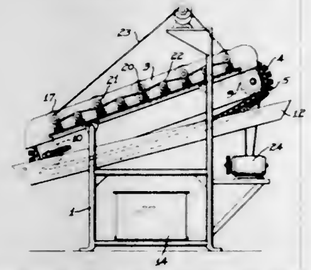
1. A method of treating capsules made up of an aqueous composition comprising from about 25% to 42% water together with gelatin and glycerin in a ratio ranging from 0.5 to 1.5, said method comprising tumbling said capsules having said water content for at least about two minutes with an aqueous emulsion containing from 20% to 65% of aqueous formaldehyde of at least 10% strength dispersed in a water-immiscible non-volatile oil.

2,578,944

FRUIT CLEANING MACHINE

Raymond E. Ramont, Los Angeles, Calif.

Application April 27, 1946, Serial No. 665,432
4 Claims. (Cl. 15—3.15)



1. A fruit cleaning machine, involving: an inclined endless belt of bristle brush units, the upper reach of said belt forming a downwardly moving carpet of upstanding bristles on which the fruit to be cleaned rolls and tumbles from the upper receiving end of said carpet to the lower discharge end thereof; and a series of spaced cylindrical bristle brushes traversing said carpet, their undersides meshing therewith and moving in the same direction as said carpet.

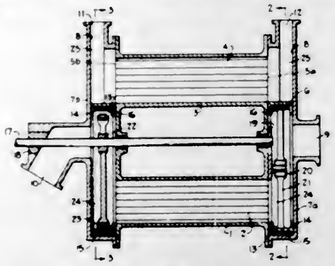
2,578,945

HEAT EXCHANGER

Richard Rigby, Great Crosby, Liverpool, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 23, 1947, Serial No. 763,054
In Great Britain May 24, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 24, 1966
17 Claims. (Cl. 257—6)

1. An accumulator heat exchanger comprising: a heat accumulator having a bank of heat-transfer elements mounted in a drum, said drum having a plurality of longitudinal partitions providing a plurality of separate fluid passages, the ends of said partitions terminating in planes at the ends of the drum to form end contact faces; first duct means secured to each end of said accumulator forming a first space for the flow of a first fluid; a shutter at each end of the accumulator within said first duct means having a flat annular sealing face in engagement with the respective contact face and disposed eccentrically with respect to the drum to surround the termini of a selected partial group of said passages, said sealing face having a width sufficient to span the full cross section at the end of one of said fluid passages, said heat accumulator and shutter being relatively movable so as to effect a coordinated sweeping of said end contact faces by said shutters in engagement with the ends of the partition along a path surrounding the axis of the drum, each shutter having a sealing wall extending from its respective annular sealing face and enclosing



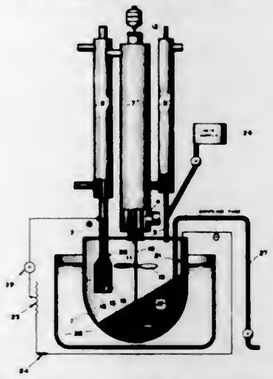
a second space for the flow of a second fluid in communication with said selected group of passages and sealed from said first space, said first space being in communication with the fluid passages other than those of said selected group; and second duct means for supplying the second fluid to the second space at one end of the heat accumulator and for discharging the second fluid from the second space at the other end of the heat accumulator continuously during relative movement of the heat accumulator and the shutter.

2,578,946

ACID HYDROLYSIS OF PROTEINS

Francis L. Rigby, Toronto, Ontario, Canada

Application August 28, 1948, Serial No. 46,619
6 Claims. (Cl. 204—72)



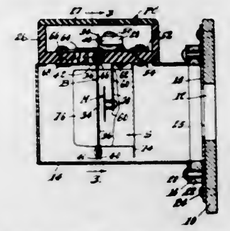
1. In a process for the acid hydrolysis of protein material to produce a mixture of amino acids containing a high proportion of the naturally occurring tryptophane originally present in the protein material, with minimization of humin formation, the step comprising hydrolyzing the protein material by heating it in the cathodic compartment of a diaphragmed electrolytic cell with an aqueous solution of an acid, said acidic solution being non-oxidizing with respect to said protein material and hydrolysis products thereof and being of sufficient concentration and said heating being of sufficient duration to largely hydrolyze the protein material, and simultaneously electrolytically reducing the hydrolysis mixture in said cathodic compartment by passing an electric current therethrough.

2,578,947

PRIMARY CONTROL FOR BURNERS

John J. Rothwell, Elkhart, and Leland B. Wagner, Goshen, Ind., assignors to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application October 17, 1945, Serial No. 622,888
3 Claims. (Cl. 200—122)



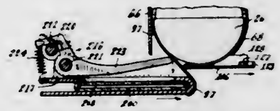
1. A primary control for burners comprising a bimetal element having a pair of side-by-side sections connected together at one end, the other end of one section being anchored and the other end of the other section constituting an actuating element, a combustion switch having switch contacts which are openable by said actuating element, an electric heater, one of said bimetal element sections being responsive to heat from said electric heater, and a common housing for both of said bimetal element sections whereby both sections are subject to the same ambient temperature therein, said housing having an opening through which heat may be radiated to actuate the other of said bimetal element sections, and a shield in said housing between said opening and said first bimetal element section.

2,578,948

PACKAGE WRAPPING MECHANISM

Oscar Sandberg, Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind., a corporation of Indiana

Application November 28, 1947, Serial No. 788,351
10 Claims. (Cl. 53—111)



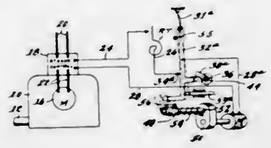
7. Wrapping means for the circumferential flaps of a wrapper being wrapped around articles of uneven contour by a wrapping machine having means to move an article and a wrapper partially draped therearound upwardly into a pocket of a folder head with opposite flaps of the wrapper depending from opposite sides of the article; comprising a blade for folding one flap into engagement with the article, a plate for folding the other flap into engagement with the article and over the first flap, said plate being movable into contact with the other flap for partially folding it over the first flap, means for so moving said plate, a plurality of fingers pivotally mounted on said plate and pivoting independently relative to each other, spring means biasing said fingers upwardly against the package during the second flap wrapping operation, and means to move said fingers out of contact with the package after the second flap has been wrapped.

2,578,949

OUT-FIRE CONTROL SWITCH

Paul Schell, Elkhart, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application December 14, 1945, Serial No. 635,051
1 Claim. (Cl. 200—33)



A control structure of the character disclosed comprising an arm movable between two positions and having a switch in a circuit, an electric timing motor in said circuit, said switch being closed in one position of said arm, a toggle spring tending to retain it closed, an element rotated by said motor for engaging said switch arm and thereby opening said switch against the action of said toggle spring after a time period, said toggle spring thereupon tending to retain said switch open, said element and the motor being spring returned when the motor is deenergized, a condition responsive element for blocking the opening movement of said switch arm by said motor rotated element if said condition responsive element responds to its respective condition before the timing period represented by the movement of said motor rotated element from initial position to engagement with said switch arm has expired, and manual means to reset said control structures by returning said switch to its normally closed position.

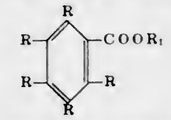
2,578,950

UNSATURATED ESTERS OF t-BUTYL BENZOIC ACID, THEIR POLYMERS, AND COMPOSITIONS

James R. Scheibli, San Lorenzo, Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 27, 1949, Serial No. 95,868
19 Claims. (Cl. 260—17)

9. A compound having the structural formula



wherein one of the R's is a tertiary butyl radical, and the remaining R's are members selected from the group consisting of hydrogen atoms and alkyl radicals, and wherein R_1 is an alkenyl radical containing from 2 to 4 carbon atoms.

2,578,951

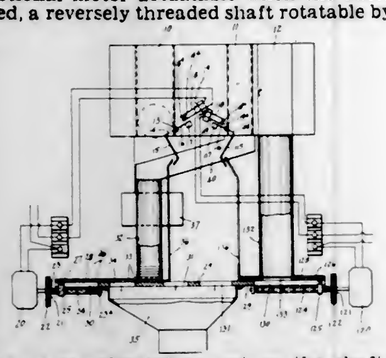
CHANGE MAKER

Charles C. Shaver, Logansport, Ind.

Application June 27, 1946, Serial No. 679,650
2 Claims. (Cl. 194—10)

1. A coin actuatable and change dispensing device having at least a coin way for a higher

valued coin, a tube magazine for lower valued coins, a transversely reciprocable coin transfer slide plate disposed immediately below the tube, and a coin tiltable member exposed in the coin way for trapping a coin therein, the combination therewith of a normally open switch closable by the member upon coin urged movement, a unidirectional motor actuatable when the switch is closed, a reversely threaded shaft rotatable by the



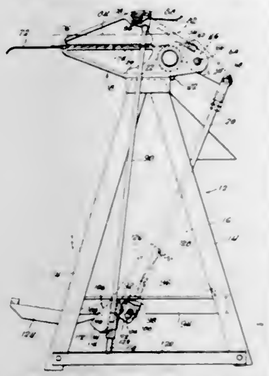
motor, a complementary nut on the shaft and connected to the slide for moving the latter, and an arm disposed adjacent the tiltable member and carried by the slide and disposed for member engagement and movement upon initial slide movement to release the trapped coin and hold the switch closed until the slide has completed one reciprocation.

2,578,952

HOLD-DOWN ATTACHMENT FOR SKINNING MACHINES

Ray Theodore Townsend, Des Moines, Iowa, assignor to Townsend Engineering Company, Des Moines, Iowa, a corporation of Iowa

Application February 24, 1947, Serial No. 730,415
8 Claims. (Cl. 146—130)



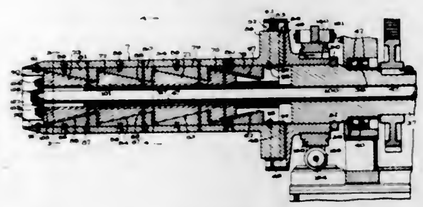
1. In a skinning machine, a frame, a roller mounted on the frame, a pressure shoe cooperating with said roller to form a skinning means therewith, said pressure shoe adapted to be brought into and out of operative relation with respect to said roller, treadle means, lost motion connection between said pressure shoe and said treadle means, a table for supporting an object to be skinned in position for feeding the skin from the object between said roller and pressure shoe, a rock shaft mounted above said table, a plurality of fingers on said rock shaft and extending toward said skinning means, said fingers adapted on rocking of said rock shaft to have their extended ends biased toward said table adjacent said skinning means, arms extending from said rock shaft, and links interconnecting said arms and said treadle means, said treadle means on initial actuation thereof being operable to rock said rock shaft and bias said fingers toward said table and on continued actuation to bring said pressure shoe into operative relation with respect to said roller.

2,578,953

METAL STRIP UNCOILER

Emmet R. Tyrrell, Youngstown, Ohio, assignor to Fessler Machine Company, Sharon, Pa., a corporation of Pennsylvania

Application October 13, 1949, Serial No. 121,196
16 Claims. (Cl. 242—78)



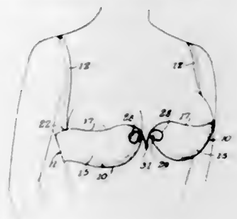
1. An expanding mandrel for coiling and uncoiling mechanisms comprising a mandrel shaft rotatably supported adjacent one end, said shaft being provided with a series of longitudinal radially extending slots, a series of cylindrical segments arranged circumferentially one for each slot, an actuator shaft extending through said mandrel shaft, an expanding member mounted in each slot having a series of longitudinally arranged wedge-like portions, a series of wedge blocks on the inner surface of each of said cylindrical segments and connecting means between said actuator shaft and each of said expanding members.

2,578,954

BRASSIÈRE

Karl Van Leuven, Jr., Hollywood, Calif., assignor to Ina Yoakum, Los Angeles, Calif.

Application December 23, 1946, Serial No. 717,941
5 Claims. (Cl. 2—42)



1. A brassière comprising a pair of separately formed breast-supporting and stiffened cups each having an elongated pocket extending along the lower edge thereof, and an integral length of wire connecting the cups and comprising ends arranged in said pockets and a re-entrantly bent portion connecting said wire ends and formed with laterally and oppositely directed loops, said loops having overlapping engagement with the forward outer side of the cups to bear against and yieldingly separate the same.

2,578,955

COMPOSITION OF TALL OIL AND AROMATIC OIL AND METHOD OF MAKING IT

Edward A. Van Valkenburgh, Greene, N. Y.

No Drawing. Application October 14, 1950, Serial No. 190,245
7 Claims. (Cl. 106—123)

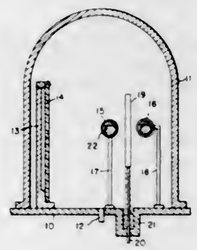
1. A new composition for compounding with GR-S synthetic rubber and mixtures of such rubber with natural rubber, said composition consisting for the most part of heat treated crude tall oil preheated to a temperature in excess of about 260° F. and blended with a smaller proportion of non-volatile aromatic oil, said proportions being from about 10 to 30% of the heat treated product.

2,578,956

METHOD OF FORMING METALLIC OXIDE COATINGS UPON SILICEOUS SUPPORT ARTICLES

Arthur R. Weinrich, Brackenridge, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application November 3, 1947, Serial No. 783,841
16 Claims. (Cl. 117—35)



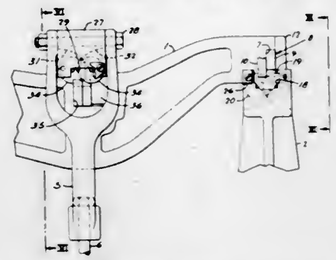
1. The method of forming on the surface of an article a continuous coating composed substantially completely of a highly oxidized solid metallic oxide having the relatively high light transmission characteristics normal to such highly oxidized solid metallic oxide, comprising providing on a heat radiating support body a metallic oxide of a metal capable of forming oxides of a plurality of different oxidation states, the metal being selected from the group consisting of aluminum, titanium, chromium, tin, zirconium, antimony, iron, tantalum, tungsten and manganese, heating the support body adjacent the surface of the article in a vacuum and thereby heating the metallic oxide to evaporate metallic oxide and deposit upon the surface a continuous and light absorbing metallic oxide coating comprising a metallic oxide of lower oxidation state and higher light absorption than that of the said highly oxidized solid metallic oxide, terminating deposition of said coating before said coating attains a thickness which would render the coating opaque when substantially completely oxidized to said highly oxidized state, and thereafter altering the optical properties of said coating to increase its light transmission characteristics by substantially completely oxidizing the oxide of lower oxidation state by subjecting the coating to an atmosphere having a partial pressure of oxygen of at least 50 mm. of mercury, and while subjecting said coating to said atmosphere heating said coating to a temperature above 200 degrees centigrade sufficient to oxidize the particular oxide of lower oxidation state to form a coating composed substantially completely of said highly oxidized solid metallic oxide.

2,578,957

PIVOT AND BEARING

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application March 29, 1946, Serial No. 658,040
2 Claims. (Cl. 308—2)



1. In a lever and pivot assembly for a weighing scale, in combination, a lever having a pivot line and a reference surface perpendicular to the pivot line, a pivot member that has a flat face secured against the reference surface and that has portions extending from the sides of the lever, projections extending from the pivot member, pivot edges formed on the projections and in the plane of the flat face of the pivot member, auxiliary portions each having a flat face that are attached to the extending portions of the pivot member with the flat faces of the auxiliary portions juxtaposed to the flat face of the pivot member, and pivot edges formed on the auxiliary portions in the plane of the flat faces and in line with the pivot edges on said projections.

2,578,958

SPRING STRIP

Thomas F. Winters, Detroit, Mich., assignor to No-Sag Spring Company, Warren Township, Mich., a corporation of Michigan

Application November 16, 1945, Serial No. 629,094
2 Claims. (Cl. 267—1)



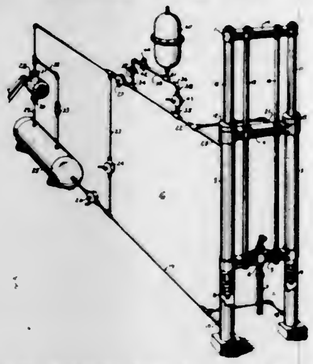
1. A spring strip for a seat cushion made of wire bent back and forth in sinuous formation having adjacent oppositely disposed loops joined by straight portions, the major length of said strip from one end beyond the center thereof when the ends of the strip are unsecured being set on an arc of predetermined radius along the length of the strip with the remaining portion retained straight in extension of said set portion, a seat frame having a front and rear supporting element, and means for securing a plurality of the springs to said elements with the end of the set portion secured to the front element and the end of the straight portion secured to the rear element with the set portion disposed on an arc of greater radius, whereby the rear straight portion of the strips may deflect a greater amount under load than said set front portion thereof.

2,578,959

HYDRAULIC SYSTEM FOR DRILLING RIGS

Joel E. Yarborough, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

Application October 30, 1948, Serial No. 57,543
5 Claims. (Cl. 60—51)



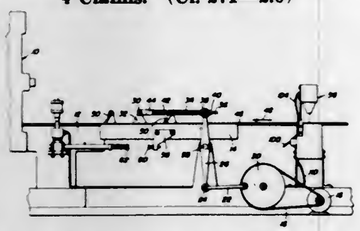
1. In combination with a hydraulic unit of a drilling rig including a cylinder, a piston in the cylinder having differential effective areas on the respective ends thereof, the combination of a reservoir for storing hydraulic medium, ducts connecting the reservoir with the respective ends of the cylinder, a pump connected in one of the ducts, a transfer duct interconnecting said ducts for supplying hydraulic pressure medium to the end of the cylinder having the larger effective area on the piston, a valve in the other of the first-named ducts between the transfer duct and reservoir for rendering the pump pressure effective through both ducts when said valve is closed to affect movement of the piston, valves in the duct having the pump and the transfer duct to direct the hydraulic pressure medium from the pump to one or the other ends of the cylinder, a bypass duct connected with one of the first named ducts between the valve therein and the hydraulic unit, an accumulator connected with the bypass duct, a control valve in the bypass duct between the accumulator and hydraulic unit, a choke in the bypass duct ahead of the accumulator, and a check valve in the bypass duct between the choke and accumulator.

2,578,960

HYDRAULIC STOP DEVICE FOR WEB FEEDING MACHINES

Milton W. Alger, Brockton, Mass.

Application August 11, 1948, Serial No. 43,626
4 Claims. (Cl. 271—2.6)



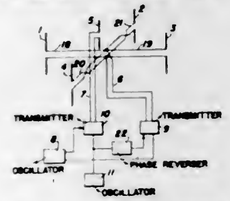
1. A hydraulic stop device for a web feeding machine having a stationary member, a reciprocable member movable towards and from said stationary member for feeding a web, a driving member and a yieldable connection between said driving and reciprocable members comprising; an adjustable stop carried by said reciprocable member, a yieldable abutment including a hydraulic cylinder carried by said stationary member and a piston movable in said cylinder and disposed in the path of movement of said adjustable stop, a hydraulic reservoir communicating with said cylinder, a normally open valve controlling the escape of fluid from said cylinder to said reservoir and means responsive to predetermined movement of a web for closing said valve thereby rendering the yieldable abutment rigid.

2,578,961

RADIO-GUIDING SYSTEM

Charles Aribert, Paris, France, assignor to Societe française Sadir-Carpentier, Paris, France, a corporation of France

Application January 12, 1949, Serial No. 70,481
In France January 15, 1948
3 Claims. (Cl. 343—107)



1. Radio transmitting apparatus comprising four aerials positioned at the apices of a four sided polygon, radio apparatus for feeding the pair of aerials positioned at the ends of one diagonal of said polygon with high frequency oscillations of predetermined amplitude, the wave length of said oscillations being on the order of the length of the longer diagonal of said polygon, apparatus for feeding high frequency oscillations of the same amplitude and same high frequency as said first mentioned oscillations to the other pair of aerials located at the ends of the other diagonal of said polygon, said oscillations fed to said last mentioned pair of aerials being of opposite phase from that of said oscillations fed to said first mentioned pair of aerials, an additional aerial located substantially at the center of said polygon, modulating apparatus for modulating the oscillations supplied to said four aerials at the same frequency, phase and amplitude, apparatus for feeding high frequency oscillations of the same frequency and phase of said first mentioned oscillations to said additional aerial, modulating apparatus for modulating the oscillations fed to said additional aerial, apparatus for periodically reversing the relative phase of said last mentioned modulating apparatus with reference to the phase of the modulations applied to the oscillations fed to said first mentioned pair of aerials to provide alternately phase coincidence and phase concordance between the phases of these last two modulations.

2,578,962

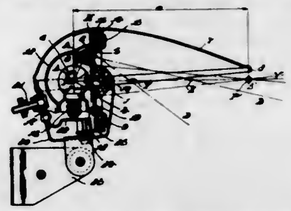
VEHICLE LAMP WITH AN OPTICAL SYSTEM FOR UNIFORM ROAD LIGHTING

Jan Bergmans and Wilhelmus Lambertus Vervest, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application May 7, 1946, Serial No. 667,882
In the Netherlands May 9, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 9, 1961
9 Claims. (Cl. 240—41.3)

1. A vehicle lamp comprising a casing member provided with an opening, an optical system

mounted in said opening, and a lamp having a filament and positioned within said casing and arranged adjacent to said optical system, said optical system comprising a centrally arranged lens portion and an annular portion surrounding said central portion, said centrally arranged portion having light refracting surfaces converging light from said filament to a first point spaced



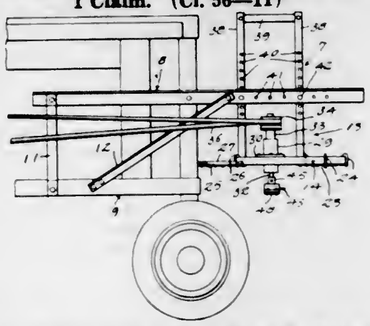
from about 3 to about 15 centimeters in front of said filament, and said annular portion having a light reflecting surface converging light from said filament to a series of second points intersecting a plane passing through said filament and said first point at portions of said plane intermediate to said filament and said first point.

2,578,963

COTTON TOPPER

Joseph W. Bell, Augusta, Ga.

Application October 17, 1947, Serial No. 780,310
1 Claim. (Cl. 56—11)



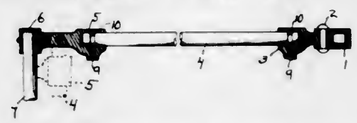
The combination with a tractor, of a cotton topping attachment including a supporting structure secured to the sides of the tractor and extending beyond its forward end, an elongated frame disposed transversely across the front of the tractor, a pair of arch members secured to and rising from the intermediate portion of the frame, means adjustably fastening the arch members to the supporting structure for supporting the frame at different levels above and below the plane of the bottom of the tractor chassis, said frame having spaced beams extending longitudinally thereof to beyond the sides of the tractor defining a frame opening therebetween, journal plates secured to said beams adjacent their ends and disposed in said frame opening beyond the sides of the tractor, a driven shaft journaled in each plate and supported thereby in an upright position, a knife fixed to each shaft and rotatable therewith beneath the frame, said frame having portions disposed forward of and behind said journal plates defining front and rear frame openings beneath which the knives revolve, and strips of mesh wire fabric connected to the frame and covering said front and rear frame openings.

2,578,964

FOLDING AWNING FRAME

Edwin F. Bell, Topeka, Kans., assignor to Topeka Tent & Awning Co., Topeka, Kans., a corporation of Kansas

Application March 15, 1950, Serial No. 149,860
1 Claim. (Cl. 160—81)



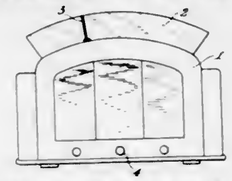
In an awning structure, a frame comprising a pair of brackets, a pair of sockets pivoted to said brackets respectively, a member secured at its inner end to each of said sockets, a socket secured to the outer end of each of said members, and a front member extending at right angles to said pair of members, and a socket secured to each end of the front member and pivotally attached to the outer sockets of said pair of members, the said last-named pivots being disposed in parallel relation.

2,578,965

INDICATING DEVICE CONSTITUTED BY A SCALE AND AN INDEX WHICH CAN MOVE ALONG A GUIDE PATH

Henri Blok, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application May 2, 1946, Serial No. 666,654
In Belgium March 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 3, 1965
2 Claims. (Cl. 116—124.1)



1. An indicating device comprising a scale, a support having a guiding surface located adjacent said scale and shaped as a portion of an ellipse in the vicinity of one end of the minor axis thereof, an index movably mounted on said guiding surface to move over an elliptical path adjacent the scale and corresponding to the elliptical shape of the surface, a guide member supported at one focus of the ellipse, a second guide member supported at the other focus of the ellipse, a closed cord system encircling said guide members, said index being fixed to said cord system at a point lying in a line perpendicular to a line joining the foci of the ellipse, and means to move said cord system and including a member engaging said cord system.

2,578,966

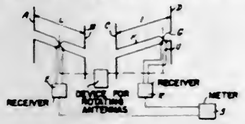
RADIO-GONIOMETRIC SYSTEM

Pierre Bodez, Paris, France, assignor to Societe française Sadir-Carpentier, Paris, France, a corporation of France

Application June 9, 1949, Serial No. 98,065
In France June 14, 1948
11 Claims. (Cl. 343—115)

1. A radio goniometric receiver set comprising an Adcock aerial system including two dipole aerials, a second Adcock aerial system including two dipole aerials, the plane of said second system being substantially perpendicular to the plane

of said first system, means for rotating said systems in unison, a first receiver and a second receiver, means for connecting said first receiver with the two corresponding elementary dipole aerials of said first Adcock aerial system and means for connecting said second receiver with the two corresponding elementary dipole aerials



of said second Adcock aerial system, means for introducing a time delay in the waves fed from one of the dipole aerials in said second Adcock aerial system that is substantially equal to the time required for the waves traveling in the direction of the plane of said second Adcock aerial system to travel from one of the dipoles thereof to the other and means for adding the absolute value of the signal voltages produced by the said two receivers.

2,578,967

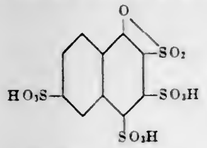
ESTERLIKE ANHYDRIDE OF HYDROXY-NAPHTHALENE TETRASULFONIC ACID

Hans Bretscher, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application November 10, 1950, Serial No. 195,128. In Switzerland December 2, 1949

1 Claim. (Cl. 260—327)

An ester-like anhydride of 1-hydroxynaphthalene-2.3.4.6-tetrasulphonic acid of the formula

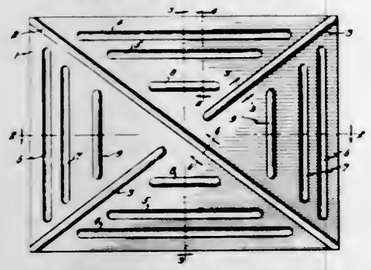


2,578,968

STARTING SHEET FOR ELECTROLYTIC SEPARATION OF NICKEL

Wilfred James Cook and Joseph Howard Tuck, Port Colborne, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application October 1, 1948, Serial No. 52,302
In Canada June 12, 1948
1 Claim. (Cl. 204—281)



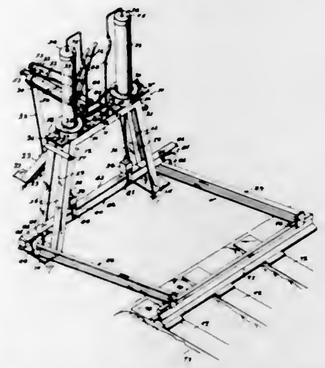
As an article of manufacture, a rectangular nickel cathode starting sheet for electrolytic refining of nickel having its major area constituted of plane surfaces disposed in a common plane and having elongated stiffening deformations formed by shallow offsetting of the metal with an arched cross-sectional contour, wherein the deformations have a ratio of width to depth of about sixteen to one, said deformations including multiple spaced deformations at each side of the central axis of the sheet and extending parallel to the side edges of the sheet and spaced from the edges thereof by plane surface marginal areas and centered deformations extending diagonally of the sheet and including a continuous deformation coextensive therewith, and certain of the deformations being offset to the opposite side of the sheet from other of the deformations.

2,578,969

APPARATUS FOR LIFTING AND DISPLACING RAILROAD RAILS AND FROGS

Antonio Di Biase, Duncannon, Pa.

Application November 22, 1950, Serial No. 197,150
7 Claims. (Cl. 214—1)



1. An apparatus for lifting and displacing railroad rails and frogs comprising a tripod supporting frame, lifting jacks supported on and rising from said frame each including a slidably mounted piston, a piston rod extending downwardly from each piston, a cross beam pivotally supported by and suspended beneath the lower ends of the piston rods, a pair of hooks pivotally connected to the cross beam, one adjacent each end thereof having inwardly and upwarding extending bill portions spaced outwardly with respect to the hook pivots, a pair of skid members having means at corresponding ends thereof adapted to loosely engage the head of a railroad rail for pivotally mounting said skid ends on the railroad rail, each of said skids having a head portion, and said hooks detachably engaging under the head portions of the skids adjacent the opposite ends thereof, and means for supplying air under pressure to the lifting jacks below the pistons thereof to elevate the pistons, piston rods, cross beam and the last mentioned ends of the skids to position the last mentioned skid ends above the ends of the skids engaging the railroad rail whereby a section of railroad rail or a frog disposed on the skids will slide down said inclined skids over the railroad rail.

2,578,970

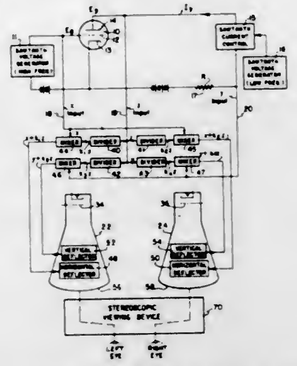
THREE-DIMENSIONAL DISPLAY

Robertson R. Gannaway, Oak Park, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois

Application May 21, 1949, Serial No. 94,587
3 Claims. (Cl. 315—9)

1. Apparatus for displaying graphically in three dimensions the data embodied in three variable

electrical quantities whose simultaneous values respectively represent three related mathematical variables, such apparatus comprising first and second cathode ray tubes, each of said tubes having two deflectors respectively arranged so that they are effective when electrically excited to establish two cathode ray deflecting fields tending to deflect the cathode ray of that tube in directions paralleling two given reference axes in a single plane, first and second mixers, means



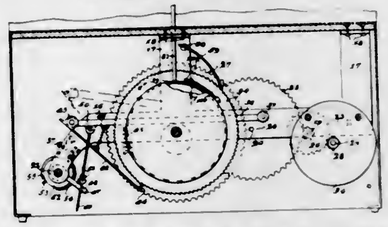
for introducing to each of said mixers inputs derived from two of the three electrical quantities in predetermined proportions, third and fourth mixers, and means for introducing to each of said third and fourth mixers inputs derived from one of said two electrical quantities and the third electrical quantity in predetermined proportions, the deflectors of said first cathode ray tube being respectively responsive to the outputs of said first and third mixers, and the deflectors of said second cathode ray tube being respectively responsive to the outputs of said second and fourth mixers.

2,578,971

AUTOMATIC ELECTRIC BREAD TOASTER

Albin M. Georgeson, Esmond, N. Dak., assignor of one-third to Leo F. Eberle and one-third to Paul Vetter, both of Esmond, N. Dak.

Application February 16, 1951, Serial No. 211,287
10 Claims. (Cl. 99—327)



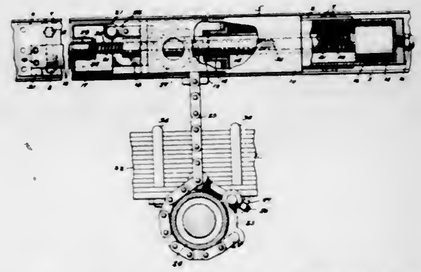
1. An automatic bread slice toaster comprising a casing having an upper section, a plurality of spaced electric heating elements disposed in said upper section, a bread support having means for supporting a plurality of slices of bread in upright positions within said upper section between heating elements thereof to be toasted thereby, means pivotally supporting said bread support for vertical swinging movement between an upright position within the upper section and an inclined position partially outwardly of said upper section, said upper section having slots through which portions of the support are swingable between the upright and inclined positions of the support and through which the slices are insertable into or removable from the support when the latter is in an inclined position, a bottom casing section disposed beneath and supporting the top casing section, an electrically driven rotary cam journaled in the bottom casing section, pawl and ratchet means intermittently actuated by said cam including a ratchet wheel rotated in one direction intermittently by oscillating motion of a pawl actuated by said cam, a member having a cylindrical portion fixed to the ratchet wheel and rotatable therewith, said cylindrical portion having a slot, and a bar pivotally connected at its upper end to the slice support having a lower end engaging on said cylindrical portion for maintaining the slice support in an upright position within the top casing section, said slot being movable into a position to receive the lower end of the bar during each complete revolution of said member, and said slice support being gravity actuated for movement to an inclined, open position when the bar registers with and enters said slot.

2,578,972

TRAILER TRACTOR CHASSIS ADJUSTING DEVICE

Herbert V. Hagely, East St. Louis, Ill.

Application August 31, 1950, Serial No. 182,605
3 Claims. (Cl. 280—44)



1. The combination with the chassis and running gear of a tractor, of a chassis adjusting device comprising a support secured to one side rail of the chassis, a block movable longitudinally of the support, a chain having one of its ends secured to the running gear, the opposite end of said chain being secured to said block, a piston operating at one end of the support, a hollow shaft extending from the piston, a guide rod connected with the block operating within said hollow shaft, a coiled spring disposed within the hollow shaft bearing against the piston and said block, said spring moving the block forwardly upon forward movement of said piston, compressing the spring, whereby said chain is operated drawing the chassis towards the running gear.

2,578,973

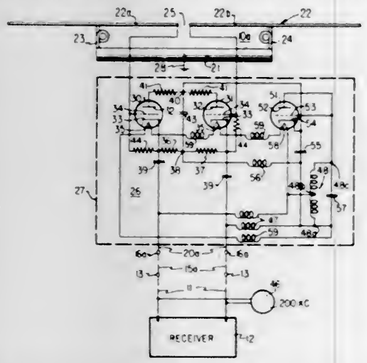
ANTENNA ARRAY

Elmer G. Hills, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois

Application December 11, 1946, Serial No. 715,487
13 Claims. (Cl. 250—20)

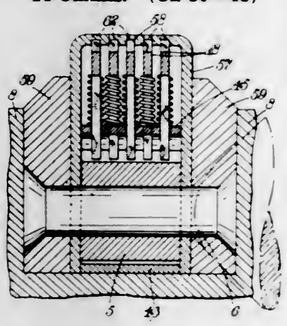
6. An antenna which has a directional pattern substantially independent of frequency throughout a wide range of frequencies, such antenna comprising a folded dipole having a pair of sub-

stantially parallel spaced conductors, and a pair of conductors positioned in proximity to and interconnecting said spaced conductors, each of said interconnecting conductors having a continuous loop therein of such configuration that the two extremities of the loop are positioned close to each



other substantially in alignment with said spaced conductors, while the portions of the loop immediately adjoining such extremities diverge from each other respectively to points of maximum separation on opposite sides of the loop.

2,578,974
ELECTRIC RAZOR
George Arthur Hinds, Malvern, England, assignor to George Hinds Ltd., Malvern, England, a British company
Application September 18, 1946, Serial No. 697,674
In Great Britain January 28, 1946
14 Claims. (Cl. 30—43)



1. A cutter head for a motor driven razor comprising a number of separate cutter blades each having toothed cutting edges, a retaining rack adapted to locate said blades side by side in spaced relationship, a single guard enclosing said blades and having on the inner face thereof a number of grooves arranged to accommodate the toothed edges of said blades and to constrain them to reciprocate in the direction of their length, which guard is also provided with a number of apertures extending through the thickness of the guard opposite said grooves and spring means disposed between a part of said retaining rack and a part of each blade, which rack is formed with a socket, the bottom of which is adapted to be engaged by the end of a reciprocable driving element whereby the blades are pressed against the bottoms of the grooves.

2,578,975
COMBINATION TAPPET WRENCH AND FEELER GAUGE
James H. Horne, Evans, Ga.
Application November 1, 1948, Serial No. 57,648
1 Claim. (Cl. 33—168)



A tool comprising a handle, feeler gauges slidably carried at opposite sides of the handle, a guide fixed to the handle in guiding position for both of said gauges said gauges being of different lengths to indicate a difference in the size thereof, and a pair of slides embracing the handle at different longitudinal positions thereof and connected to the respective gauges to designate a related gauge.

2,578,976
METHOD OF COATING INGOT MOLDS AND COMPOSITION THEREFOR
Frank Ingala, Chicago, Ill.
No Drawing. Application July 2, 1949, Serial No. 102,931
7 Claims. (Cl. 22—189)

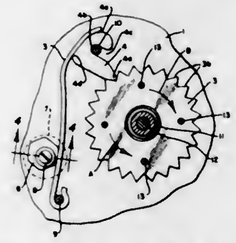
1. A dry, finely divided composition for coating the inner surfaces of a heated mold for casting steel and the like consisting essentially of 70 to 30% by weight of a starchy material having a moisture content of less than 15%, 12 to 20% by weight of a resin having a melting point of more than 200° F., and 15 to 50% by weight of a drying and heat-resistant agent selected from the group consisting of calcimine, lime, calcium carbonate, and calcium sulfate.

2,578,977
METHOD AND COMPOSITION FOR REDUCING THE AMOUNT OF DROSS FLOATING ON SPELTER BATH
Clark K. Lytle, Fairfield, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Alabama
No Drawing. Application March 10, 1950, Serial No. 149,018
6 Claims. (Cl. 75—93)

1. In the art of galvanizing ferrous articles by immersion in a bath of molten spelter, the step of adding to the spelter a few ounces of a mixture of from 7 to 12 parts of salts selected from the group consisting of zinc chloride and ammonium chloride and from 1/5 to 1 part of a silico-fluoride of an alkali metal, thereby largely freeing the dross from entrained zinc and iron and permitting the latter to sink through the spelter bath.

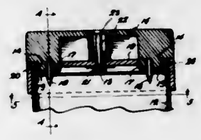
2,578,978
VARIABLE TENSION DRAG FOR FISHING REELS
Henry I. Mandolf and Sherwood W. Baker, San Diego, Calif.
Application March 25, 1946, Serial No. 656,838
4 Claims. (Cl. 242—84.6)

1. In a variable tension drag for fishing reels of the class described, the combination of a fishing reel having a frame and a rotating spool, a drag wheel in connection with said rotating spool having teeth about the periphery thereof, a cam and pawl member pivotally mounted in connection with said frame and engageable with said drag wheel, a spring engaging said cam and pawl members near one end of said spring, said cam and pawl member having separate cam portions engageable with said spring when pivoted in opposite directions over the axis of said cam and pawl member in connection with said frame, the



leverage from the axis of said cam and pawl member varying in length to the various bearing portions of said cam and pawl member with respect to said spring, the opposite end of said spring supported in connection with said frame and an eccentric tension adjusting member bearing on said spring intermediate the ends of said spring.

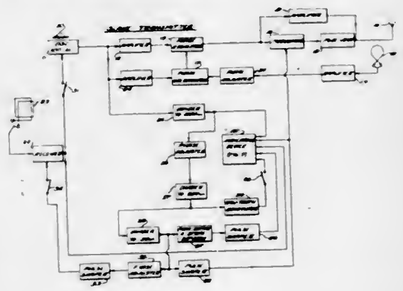
2,578,979
CAN OPENER AND SEALER
Lawrence L. McLean, Butte, Mont.
Application October 14, 1949, Serial No. 121,422
1 Claim. (Cl. 30—6.1)



A device of the character described comprising a cover having a pair of diametrically opposed openings each adjacent the periphery thereof and a centrally located relatively small opening, said cover having an integrally formed dependent flange for receiving the upper end of a can therein, a punch bar having a dependent portion adjacent each end thereof, and each receivable in an opening in the cover, a penetrating member downwardly extending from each of the dependent portions, a vertically movable pin centrally disposed in said bar and frictionally and removably receivable in the relatively small opening in said cover, a resilient gasket affixed to the lower end of each of the dependent portions and surrounding its associated penetrating member, and a pair of upwardly extending parallel guide members formed in the upper side of said cover and slidably receiving said punch bar.

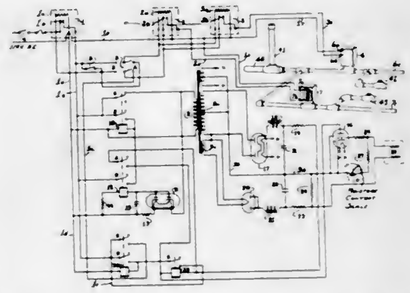
2,578,980
RADIO-FREQUENCY NAVIGATION SYSTEM
William Joseph O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application February 2, 1948, Serial No. 5,878
In Great Britain March 7, 1946
9 Claims. (Cl. 343—103)

1. In a radio frequency navigation system, the combination of: a master and a slave transmitting station spaced from each other; transmitting means at each of said stations for radiating therefrom carrier waves of like frequency pulse modulated at identical pulse recurrence rates and like pulse durations; receiving means at said slave station for receiving the radiations from said master station; a phase discriminator at said slave station coupled to the transmitting



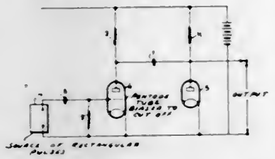
means thereat and to said receiving means responsive to the phase relation between the carrier waves radiated from said master and said slave stations; and a phase regulator coupled to the transmitting means at said slave station and actuated by said phase discriminator for maintaining fixed the phase relation of said carrier waves.

2,578,981
ELECTRONICALLY OPERATED SOIL SPRINKLING OR IRRIGATING SYSTEM
Barton W. Parker, Berkeley, Calif.
Application June 26, 1947, Serial No. 757,166
14 Claims. (Cl. 299—27)



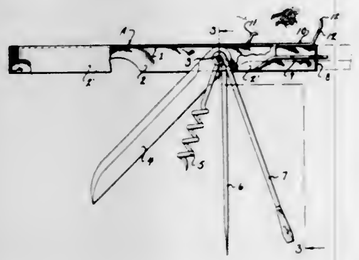
1. An apparatus for electrically controlling the sprinkling or irrigation of soil comprising an electrical device responsive to the moisture content of the soil to be sprinkled or irrigated, said electrical device including a Thyratron and means for adjusting the firing of said Thyratron for different moisture content of the soil, water conveying means for supplying water to the soil, electrical devices comprising solenoid valves for controlling said water conveying means, time control means including a master time control device and a plurality of auxiliary time control devices, each of said auxiliary time control devices being associated with one of said solenoid valves, and connections between said first mentioned electrical device and said time control means for interlocking the operation thereof.

2,578,982
ELECTRICAL PULSE GENERATOR
Gaston Potier, Versailles, and Pierre Cornet, Paris, France, assignors to Societe française Sadir-Carpentier, Paris, France, a corporation of France
Application July 15, 1947, Serial No. 760,980
In France April 2, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 2, 1966
3 Claims. (Cl. 250—36)



1. A circuit for generating saw tooth pulses comprising in combination a tube having a cathode, a control grid and a plate, means for biasing said tube to normally substantially block current passage therethrough, a source of rectangular control pulses of such amplitude as to unblock said tube connected to the control grid thereof, a resistor connected to the plate of said tube, a constant amplitude voltage source connected across said tube and said resistor, a second resistor and a variable resistance device connected in series across said voltage source, a capacitor having one side connected to the plate of said tube and the other side connected to the common connection between said second resistor and said variable resistance device and connections to the terminals of said variable resistance device for taking off the saw tooth impulses.

2,578,983
CAN OPENER
Adam Primak, Milwaukee, Wis.
Application February 14, 1947, Serial No. 728,446
1 Claim. (Cl. 30—22)



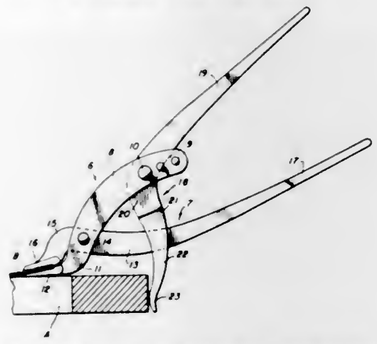
A can opener comprising a hollow handle including a top wall and side flanges, a can opening blade on the forward end of one of said flanges extending at right angles thereto, said last mentioned side flange being slotted to form a clearance throat between the blade and top wall, a rod extending through the side flanges and projecting beyond one side face of the handle, and a rotatable guide roller mounted upon the extended end of the rod adapted to engage the side wall of a can when the blade engages the top wall of the can to facilitate the travel of the opener around a can.

2,578,984
FINGER STOP FOR STRINGED INSTRUMENTS
Claude Rader, Kansas City, Mo.
Application March 3, 1949, Serial No. 79,478
3 Claims. (Cl. 84—314)



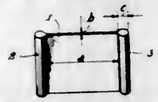
1. The combination in a musical instrument having a body portion, a neck extending therefrom, a fingerboard carried by the neck and extending beyond the same in overlying spaced relation to the body, a finger stop having oppositely facing channeled clamping feet embracing the side edges and overlapping the upper and lower faces of the fingerboard, a threaded rod transversely spanning the fingerboard, and a clamp nut on said rod for causing the clamping feet to grip the edges of the board to retain the stop in adjusted position.

2,578,985
SCREEN WIRE TONGS
Philip J. Schmidt, East St. Louis, Ill.
Application July 9, 1948, Serial No. 37,917
3 Claims. (Cl. 140—123)



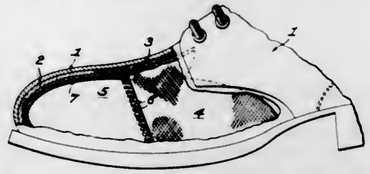
2. A hand tool for grasping, stretching and tautening screen fabric or the like comprising a short longitudinally curved lever having a laterally offset jaw at one end and an adjustably mounted assembling and hinging bolt at its opposite end, a complemental and relatively longer lever having a laterally offset jaw at one end and an elongated handle at its opposite end, a portion of said last-named lever, adjacent to said jaw, crossing and being pivotally connected to the jaw end of said short lever, and a third lever, the latter being L-shaped and hingedly connected, at the juncture of its long and short limbs with said bolt, the long limb defining a handle opposed to said first handle and the short limb functioning as a thrust finger.

2,578,986
APPARATUS FOR MANUFACTURING STRIPLIKE GLASS
Pancras Schoonenberg and Pieter van Zonneveld, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 15, 1946, Serial No. 662,148
In the Netherlands July 6, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 6, 1963
3 Claims. (Cl. 49—17)



1. Apparatus for manufacturing strip-like glass having a thickness of the order of 10 microns, which comprises a glass drawing member, said drawing member being provided with a slit-like central channel and nozzle-like tubular end channels with slit-like recesses, the dimensions of the said end channels in the direction of the smallest central channel dimension being greater than the said smallest central channel dimension, the slit-like recesses in the said end channel portions and the said central channel being separated by dam portions and means spaced from said central and tubular channels for pulling glass through the said channels.

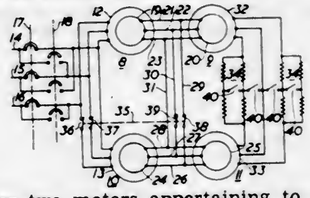
2,578,987
VAMP LINING FOR SAFETY SHOES
Edward L. Schultz, Endicott, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application August 21, 1950, Serial No. 180,551
2 Claims. (Cl. 36—77)



1. A safety shoe including an upper having a vamp, a metallic box toe, a fabric vamp lining coextensive with the vamp of said upper within the shoe and directly covering the inner face of the metallic box toe, and a relatively stiff leather tip cemented within the area embraced by the box toe to the inner toe portion of the lining and extending rearwardly of the rear edge of the metallic box toe and adapted to contact the foot of the wearer.

2,578,988
CONTROL SYSTEM FOR ELECTRIC MOTORS
Richard A. West, Dullatur, Dumbarton, Scotland, assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 16, 1949, Serial No. 93,537
In Great Britain May 28, 1948
9 Claims. (Cl. 318—50)

1. A system of electric motors which drive a travelling structure which runs on two rails and has independent motors for the driving wheels of the two rails, comprising four polyphase induction motors, two for driving the wheels of one rail and two for driving the wheels of the other rail, wherein two of the motors appertaining to different rails are electrically interconnected to provide a synchronizing torque therebetween and



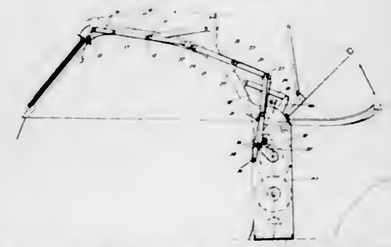
the other two motors appertaining to different rails are connected in cascade with said two interconnected motors.

2,578,989
PORTABLE FOLDING STOOL
Leo H. Wirsig, Deepwater, Mo.
Application December 13, 1948, Serial No. 65,045
10 Claims. (Cl. 155—137)



1. A portable folding stool comprising a main leg and a plurality of auxiliary legs hingedly connected to the main leg, a leg-operating bar in longitudinal sliding engagement with the inner face of the main leg, and auxiliary leg-operating links pivotally connected to said operating bar and auxiliary legs.

2,578,990
HOLD-DOWN AND LINKAGE ASSEMBLY FOR CONVERTIBLE TOPS
Maurice Bessonneau, Puteaux, France
Application August 23, 1946, Serial No. 692,518
In France August 28, 1945
11 Claims. (Cl. 296—116)



2. In the combination of a collapsible top covering including a jointed armature and a bill pivotally carried by said armature with means forming an abutment for said bill when said top covering is fully extended and with means for fastening said bill onto said abutment, said fastening means consisting of a bead provided on said abutment throughout the length of the latter and a channel member carried by the bill and also extended throughout the length of said bill and adapted to cap the front part of said bead and at least partly the underside thereof when the bill is rotated thereby locking the bill both vertically and horizontally.

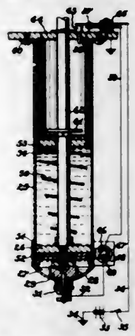
2,578,991
COLLAPSIBLE VEHICLE TOP
Maurice Bessonneau, Puteaux, France
Application June 30, 1947, Serial No. 758,056
In France July 13, 1946
2 Claims. (Cl. 296—107)



2. In an automobile of the convertible type having a body, a foldable top and two opposite side doors, a window arrangement on each side of the automobile comprising, in combination, a front side window mounted on a respective side door and having a rear edge portion terminating in a rear edge of said front side window; a rear side window mounted on the body of the automobile and having a front edge portion, said rear side window being located inwardly of and in staggered and spaced relation to said front side window so that said front edge portion of said rear side window overlaps the rear edge portion of said front side window, whereby a vertical narrow gap is provided between said rear edge portion of said front side window and said front edge portion of said rear side window; an upright pivotally mounted at its bottom end on the body of said automobile in the region of the rear edge of said front side window and being connected at its top end to said foldable top so as to turn together therewith during movement of the foldable top between open and covering positions, said upright being located so as to engage the outer surface of said rear side window and so as to abut against the rear edge of said front side window when said foldable top is in covering position, whereby said upright serves in such covering position of the foldable top simultaneously as a closure means for said narrow vertical gap between the front edge portion of said rear side window and the rear edge portion of said front side window and as a vibration preventing means firmly holding both windows and preventing contact therebetween during movement of the automobile; and an elongated strip of resilient material which is of lesser thickness than the thickness of said narrow vertical gap connected to said upright and located in said narrow vertical gap between said rear edge portion of said front side window and said front edge portion of said rear side window, when the foldable top is in covering position, whereby, if said windows should move towards each other, said strip of resilient material effectively prevents contact therebetween.

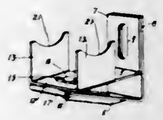
2,578,992
ELECTROSTEAM ACTUATOR
John W. Dickey, Newfield, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application October 17, 1947, Serial No. 780,367
1 Claim. (Cl. 60—25)

In an electro-steam actuator, a cylinder and a piston slidably mounted therein, a puddle of vaporizable liquid in one end of the cylinder, yielding means urging the piston toward said end of the cylinder, an electrical heater adapted when energized to form a flash boiler for said puddle of liquid and thereby generate steam pressure between the piston and said end of the cylinder, and means actuated by the consequent movement of the piston for deenergizing the electrical heater, including further means for arresting the movement of the piston by said steam pressure comprising a fluid trapped in the cylinder back of



the piston, and a vent for said fluid; in which said trapped fluid is a liquid, and including further a storage chamber for the liquid ejected by the piston through said vent.

2,578,993
WALL BRACKET FOR RADIATORS
Bernard I. Downs, Forestville, Conn., assignor to The Vulcan Radiator Company, Hartford, Conn., a corporation of Connecticut
Application February 20, 1948, Serial No. 9,916
5 Claims. (Cl. 248—232)

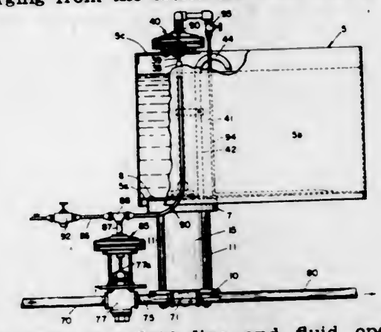


2. A radiator bracket of the character described comprising a supporting portion and bracing portion, a perpendicularly extending flange to provide a wall engaging base portion, an elongated opening through said base portion to receive a fastening member for securing the bracket member to a wall, a U-shaped cradle having a base with an elongated opening therein and upright members with a depression in the free edges thereof to receive and support a radiator member, a seating plate of non-corrosive material between said base of the cradle and supporting portion of the bracket, and a fastening member extending between said elongated opening in the base and an opening in the seating plate, whereby the said seating plate and cradle are secured to the bracket and the said cradle is permitted to move transversely upon said plate.

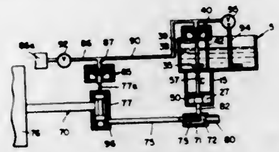
2,578,994
METERING DEVICE
Thomas J. Dunaway, Yucaipa, Calif.
Application November 19, 1948, Serial No. 61,095
4 Claims. (Cl. 222—133)

1. In a liquid metering device for dispensing a measured quantity of liquid into a fluid line, a liquid reservoir having an outlet below the liquid level therein, a valve controlling the outlet, a metering container of less capacity than the reservoir mounted in communication with the outlet to receive liquid by gravity flow there-

through, the container having an outlet opening, a valve controlling the outlet opening, wall means providing a chamber communicating with said outlet opening, a fluid line opening into and discharging from the latter chamber, and a valve

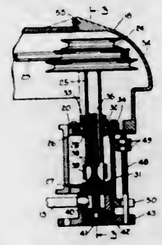


controlling the fluid line and fluid operated actuating means for said respective valves, said latter means being operative simultaneously to open the last two mentioned valves and close the first mentioned valve and vice versa.



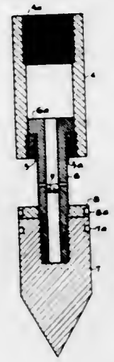
2. In a metering device, a reservoir having an outlet opening in its bottom portion, whereby material in the reservoir may flow through the opening by gravity, a valve controlling the opening, a metering container disposed in communication with the opening, the container having an outlet opening, a valve controlling the latter opening, fluid actuated means operable to close the first mentioned valve, a line for supplying fluid under pressure to the fluid actuated means, independent actuating means operable to close the last mentioned valve, means operable in response to closing movement of each of the valves to open the other valve, and a fluid line communicating at its inlet with the first named line and discharging into the reservoir whereby to discharge fluid into the reservoir to agitate the contents thereof.

2,578,995
TAPPING MACHINE
Melvin H. Emrick, Jamaica, N. Y.
Application June 5, 1948, Serial No. 31,253
4 Claims. (Cl. 10—129)



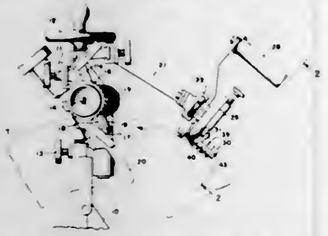
1. In machines of the character described, a casing having vertically spaced walls defining upper and lower ends of the casing, bearings in said upper and lower walls, a tubular drive shaft rotatably mounted in said bearings, a driven shaft movable axially of the tubular shaft, a slidable keying means between the driven shaft and said drive shaft, an adaptor plate carried by said driven shaft beyond said casing, the lower end portion of the driven shaft being freely rotatable in said plate, means coupled with said adaptor plate for moving the same and said driven shaft longitudinally of the drive shaft, an adjustable stop carried by and movable with said plate and engaging the casing in limiting movement of the adaptor plate and shaft in one direction, said keying means comprising a pair of keys in said drive shaft and operating in elongated slots at opposed sides of the driven shaft, and a single sleeve slidable on said drive shaft in retaining said keys in operative position.

2,578,996
DRIVEN WELL POINT
Victor A. Endersby, Lafayette, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 26, 1948, Serial No. 4,345
3 Claims. (Cl. 166—5)



1. A driven well point comprising a cylindrical housing adapted to be connected to the end of a pipe, a removable closure at the lower end of the housing, a tube open at both ends extending slidably through said closure and having a retaining flange above said closure in guiding engagement with the interior wall of said housing, a driving head having a tapered point threadedly secured about the lower end of said tube and closing off said lower end, a lock washer threaded to said tube above the driving head, said lock washer and the portion of the driving head above the tapered point thereof having cylindrical surfaces co-extensive with the exterior cylindrical surface of the housing, said lock washer and said cylindrical housing having complementary surfaces for sealing the tube from the space outside said cylindrical surfaces when said complementary surfaces are brought together and for transmitting downward thrust from said cylindrical housing through said lock washer to said driving head, and an orifice in said tube above the lock nut located to be exposed beneath said closure when the tube is extended downwardly and to be covered when the tube is retracted upwardly.

2,578,997
TRANSVERSE TIRE TREAD SLITTING APPARATUS
William F. Errig, Jenkintown, Pa., and Edward S. De Hart, Collingswood, N. J.; said De Hart assignor to said Errig
Application May 29, 1950, Serial No. 165,068
1 Claim. (Cl. 164—34.5)



In transverse tire tread cutting apparatus, a tire supporting frame, a transversely disposed guide carried by said frame, a cutter head movably mounted on said guide for movement therealong, a plurality of cutters carried by said head for simultaneous cutting engagement with the tire tread, the spacing between each of the cutters being the product of the dimension of the space between cuts and one less than twice the number of cutters, a driving roll carried by said frame for driving engagement with the tire, and means for actuating said roll for advancing the tread of the tire a distance equal to the product of the dimension of the space between cuts and the number of cutters.

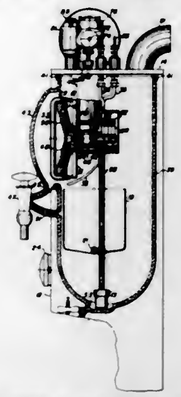
2,578,998
FIRE LIGHTER
Marcel Frachebourd, Saint-Cergue, Switzerland
Application May 20, 1948, Serial No. 28,101
In France May 29, 1947
5 Claims. (Cl. 44—38)



1. In a fire-kindler comprising at least two cross flat plates of a combustible material cut out to be each provided with a plurality of legs and with a notch and interlocked together by engagement of each plate in the notch of the other, the feature that each plate has a shape comprising a central portion of reduced area from which said legs are diverging all around and said notch is provided in said central portion so that said kindler may rest and burn with substantially equal efficiency in any position it may be given.

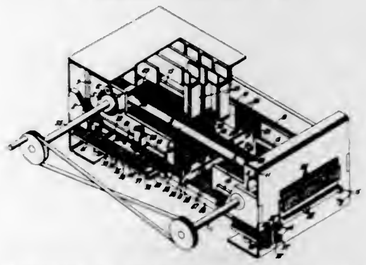
2,578,999
VACUUM DISTILLATION APPARATUS
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 14, 1948, Serial No. 20,977
5 Claims. (Cl. 202—205)

4. Vacuum distillation apparatus comprising a vertically disposed generally tubular member having a concave closed lower end and an open upper end, said concave closed lower end forming a reservoir for distilland, plate means closing the upper end of said tubular member, said plate means and said tubular member combining to form a vacuum chamber, means for evacuating said vacuum chamber, a conical disk-shaped vaporizing member, means depending from said plate means and rotatably supporting said vaporizing member within said vacuum chamber with the vaporizing surface of said vaporizing member disposed adjacent an upper wall portion of said tubular member and being separated from said upper wall portion by substantially unob-



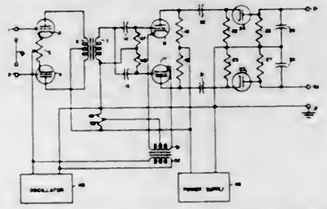
structed space, means for rotating said vaporizing member, said upper wall portion of said generally tubular member opposite said vaporizing surface being outwardly deformed and providing a condensing surface, the lower edge of said condensing surface being formed into a condensate-collecting gutter, and pump and conduit means within said vacuum chamber and extending from said reservoir to said vaporizing member for progressively transferring distilland from said reservoir to said vaporizing member.

2,579,000
REGISTERING DEVICE
Rolf Hofgaard, Nordstrandshogda, near Oslo, Norway
Application December 4, 1946, Serial No. 714,069
In Norway April 29, 1946
5 Claims. (Cl. 235—61)



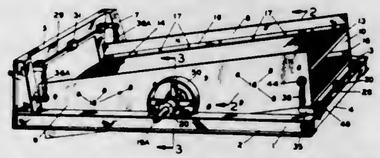
1. Registering device for storing and transmitting impulses adapted to be used for instance for calculating machines, book-keeping machines, etc., comprising a number of registers in the form of elongated plates each carrying movable contact pins in parallel arrangement normal to the length of the elongated plates, a series of notched racks above and at right angles to said registers, the notches of said racks being normally alined with said contact pins to prevent actuation thereof when a selected register is moved towards said racks, an insulating base below said registers and provided with a series of contact strips equal in number to the number of contact pins of a register, code means for selecting a desired register for the entry of an accumulated value, actuating means for moving the selected register towards said insulating base to engage the activated contact pins thereof with contact strips and then to press the activated contact pins back to normal inactive position, said actuating means then moving the select register towards said notched racks and back to normal inactive position, means controlled by the electrical circuits established by said contact pins and contact strips for displacing those notched racks corresponding to the accumulated value to bring the teeth of such racks into alinement with contact pins of the selected register to move into active position the contact pins corresponding to the accumulated value.

2,579,001
ELECTRONIC SWITCHING DEVICE
Charles L. Jeffers, San Antonio, Tex.
Application May 26, 1947, Serial No. 750,487
14 Claims. (Cl. 250—27)



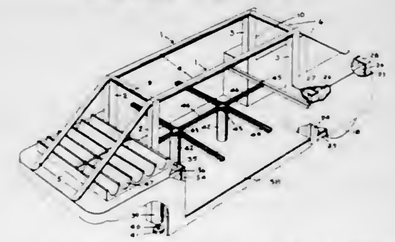
1. In a device of the character described, a first pair of tubes each having at least a grid, a cathode and an anode, two pairs of input terminals for the application thereto of two potentials to said grids, transformer means connecting said plates in push-pull, a tapped resistance connecting said cathodes, an oscillator, a connection for supplying to the tap on said resistor oscillator energy, a second pair of tubes each having at least a grid, a cathode and an anode, connections for supplying oscillator energy to said last mentioned cathodes in opposed phase relation, means coupling said last mentioned grids in parallel to said transformer means, and rectifier means coupled respectively to each of the last mentioned anodes, whereby one of said rectifiers will be energized with energy of the frequency of said oscillator corresponding to the input terminal impressed with the most positive potential.

2,579,002
MECHANICAL VIBRATING SCREEN
Louis W. Johnson, Eugene, Oreg.
Application March 4, 1949, Serial No. 79,640
2 Claims. (Cl. 209—415)



1. A vibrating screen assembly comprising an open supporting frame including longitudinal side beams, a cross member at one end of the side beams and a second cross member at the other end and disposed in a plane above the plane of the side beams and first cross member, a screen frame positioned within the frame for gyrating movement between the side beams and including opposed side panels, supporting torsion rods fixedly mounted against rotation at the center of the cross members and extending to the ends of the cross members for the full width of the frame, arms laterally projecting inwardly from the torsion rods and keyed to the extended ends of the torsion rods, sectional connecting links pivotally affixed at one of their ends to the arms, the links depending from the second cross member and extending upwardly from the first, and means affixing the oposing ends of the links to the side panels and including sleeves formed on the said ends of the links, lugs projecting from the panel sides and received in said sleeves and resilient bushings tightly interposed between the sleeves and lugs to prevent relative movement thereof, the bushings flexing upon pivotal movement of the links about the arms as the screen frame is vibrated.

2,579,003
VEHICLE CONSTRUCTION
William Josephian, Oakland, Calif.
Application July 19, 1947, Serial No. 762,052
5 Claims. (Cl. 280—2)

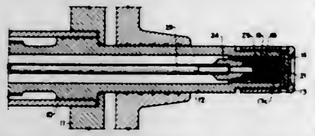


1. In a vehicle having a low, flat horizontally disposed carrying bed; an upright longitudinally extending truss on said bed having an open central rectangular frame including a horizontally extending lower beam defining its lower side and posts at the ends of said beam defining the sides of said frame, truss members secured to said posts and extending oppositely outwardly and divergently downwardly relative to each other from the upper ends of said posts, truss pieces spaced above the level of said beam connecting the lower ends of said pieces with said posts respectively, a pair of coaxial ground wheels, an axle on which said wheels are supported for revolution on their common axis, means connecting said axle to said frame for supporting the said frame for movement over the ground, said truss members and said truss pieces being substantially above said axis and said beam being below said axis.

2,579,004
LIQUID FUEL BURNER WITH NONDRIBBLE TIP VALVE
John Ruskin Joyce, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 17, 1948, Serial No. 49,732
In Great Britain September 24, 1947
15 Claims. (Cl. 299—118)

1. A liquid fuel burner of the type described having, in combination, a hollow swirl plug providing a vortex chamber therewithin; one or more swirling ports in the side wall of said plug

for introducing fuel into the vortex chamber substantially tangentially thereof; an end wall for the vortex chamber; an outlet orifice in said end wall; a spill return passageway for said vortex chamber; a plunger reciprocably mounted with respect to said plug and arranged to vary the effective area of said swirling ports upon reciprocating thereof, said plunger having a zero output position corresponding to zero flow of fuel through said outlet orifice, said plunger being shaped to admit fuel through at least some of said ports into the vortex chamber when



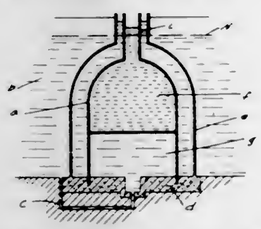
in said zero output position to permit fuel to flow into the spill return passageway at or adjacent to the vortex chamber and to increase the effective area of said swirl ports during at least a part of its movement in a direction away from said zero output position; a valve adapted to seat against said outlet orifice; resilient means urging said valve against said outlet orifice axially movable with respect to said plunger; and means for retracting said valve from said outlet orifice when said plunger is moved in a direction for increasing the effective area of said swirling ports.

2,579,005

INSTALLATION FOR UNDERGROUND STORAGE RESERVOIRS FOR LIQUIDS NONMISCIBLE WITH WATER

Paul Lambert, Paris, France

Application April 10, 1948, Serial No. 20,352
10 Claims. (Cl. 222—128)



1. In an installation for storing liquids immiscible with water in subterranean reservoirs located in the ground water, in combination, a reservoir for liquid; means for putting the lower part of the reservoir in communication with the surrounding ground water carrying layer; and an outer double wall enclosing said reservoir and defining a gap between itself and said reservoir, said gap being adapted to be filled with water whereby the difference between the pressures exerted on the walls of said reservoir by the water in said gap and the water and liquid within said reservoir is relatively small and always directed from the outside of said reservoir towards the inside thereof.

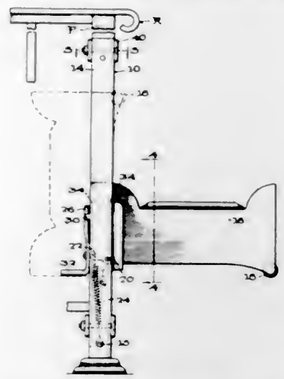
2,579,006

FOOT SCRAPER HAVING GRAVITY OPERATED LATCH MEANS

Philip B. Mims, Alexandria, Va.

Application May 5, 1949, Serial No. 91,561
10 Claims. (Cl. 15—237)

10. A foot scraper comprising a frame, a scraper blade pivoted to said frame, the pivotal axis being normal to said blade, and a latch



pivoted to said frame and operative by gravity to hold said blade in operative position.

2,579,007

PROCESS FOR MODIFYING UNSATURATED HYDROCARBON DRYING OILS

Maurice J. Murray, Clarendon Hill, and William S. Gallaway, Western Springs, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 29, 1948, Serial No. 30,212
11 Claims. (Cl. 260—666)

1. A process for improving a drying oil comprising a mixture of cyclic, polyolefinic hydrocarbons recovered from a catalyst-hydrocarbon sludge formed in a conjunct polymerization reaction which comprises contacting said drying oil with a catalyst containing adsorptive silica at reaction conditions suitable for effecting isomerization-polymerization of said hydrocarbon components.

2,579,008

INTERPOLYMERS OF UNSATURATED NITRILES

Marguerite Naps, Oakland, and Fred E. Condo, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 24, 1948, Serial No. 28,974
11 Claims. (Cl. 260—80.5)

1. A resin comprising an interpolymer of 65% methacrylonitrile, 25% acrylonitrile, and 10% vinyl acetate.

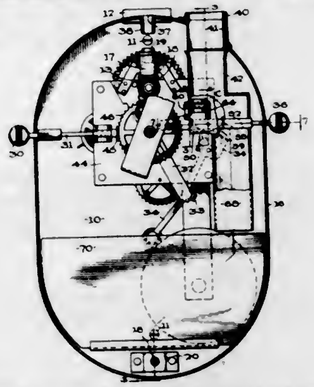
2,579,009

CHECK-CONTROLLED CLOCK ALARM

Robert L. Nor Velle, Las Vegas, Nev., assignor, by direct and mesne assignments, to Dime-A-Wake, Inc., a corporation of Nevada

Application December 5, 1947, Serial No. 789,990
7 Claims. (Cl. 194—32)

1. A check control for clocks including alarm and normally operable time mechanisms comprising a supporting casing, a coin chute including a coin arresting shoulder positioned adjacent the alarm mechanism, a slotted slide mounted on said shoulder and projecting through said chute and operable to set the alarm to on position, a stop preventing movement of said slide in the alarm off position, and means operable by each coin deposited in said chute and arrested on said



shoulder for moving said stop out of the path of said slide.

2,579,010

HYDROGENATION OF THIOPHENIC COMPOUNDS CONTAINING AN UNSATURATED SIDE CHAIN

Herman Pines and Bruno Kvetinskas, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 1, 1949, Serial No. 102,702
6 Claims. (Cl. 260—329)

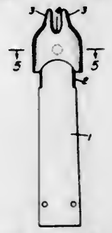
1. A process for hydrogenating only the unsaturated side chain of a thiophenic compound containing said side chain which comprises reacting said thiophenic compound and hydrogen at a temperature of from about 30° to about 250° C. and at a superatmospheric pressure in the presence of a catalyst comprising essentially palladium and alumina.

2,579,011

STRAND GUIDING MEANS FOR WINDING MACHINERY

Alphonse F. Pieper, Brighton, N. Y.

Application December 8, 1950, Serial No. 199,878
8 Claims. (Cl. 242—157)



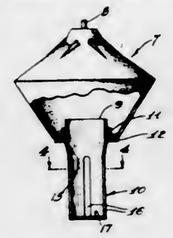
1. Strand guiding means for winding machinery comprising a supporting bar having an opening adjacent one end thereof to receive a fastening screw and a strand guiding head having a convex uninterrupted surface on one side thereof, the opposite surface of the head having a positioning recess defined by opposite side walls engaging side edges of the supporting bar and a locking recess beneath the positioning recess and defined by opposite inclined walls, a metal fastening nut having opposite surfaces inclined in the same direction as and interlockingly engaging the aforementioned inclined walls of the locking recess and positionable therein by an endwise sliding movement, and a fastening screw extending through the aforesaid opening in the supporting bar and having threaded engagement with said fastening nut, the bottom surface of the locking recess beneath said nut having an opening to receive the projecting portion of the fastening screw and acting to limit movement of the supporting bar and nut endwise of the recess.

2,579,012

TOILET FLUSHING VALVE

Jay J. Rekar, Bell, Calif.

Application March 3, 1951, Serial No. 213,761
1 Claim. (Cl. 4—56)



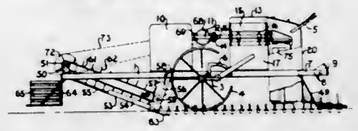
As an article of manufacture, an elongated tubular member having an upper end portion crowdable into the open lower end portion of a conventional buoyant rubber toilet tank valve, said tubular member having an external peripheral flange limiting the extent of its insertion into said valve, and having a closure cross wall at its lower end and through its sides a plurality of vertical slots through which the outflowing water enters and exerts against said cross wall a downward pressure tending to close the valve.

2,579,013

APPARATUS FOR HARVESTING ONIONS

Lyle B. Sampson, East Leroy, Mich.

Application May 4, 1946, Serial No. 667,457
13 Claims. (Cl. 55—9)



1. In an apparatus of the character described, the combination which comprises a suction fan, a suction box connected to the inlet of the fan, the inlet end of said suction box being open, a cutting means at the inlet to said suction box, a digging means, a conveyer, means for supplying operating power to said fan, and means for supporting said apparatus and facilitating movement thereof, said cutting means at the inlet to said suction box being at the forward end of said apparatus, and followed in order by said digging means and conveyer.

2,579,014

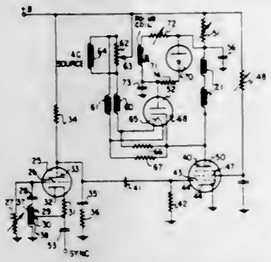
SAW-TOOTH CURRENT GENERATOR

Kurt Schlesinger, Maywood, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois

Application December 4, 1947, Serial No. 789,672
12 Claims. (Cl. 315—27)

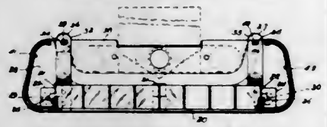
1. A sawtooth current generator comprising an electron discharge valve having input and output

electrodes, means for applying a sawtooth voltage wave to said input electrodes of said valve, an output circuit connected to said output electrodes including an inductive load, a rectifying circuit and a high impedance choke connected in parallel across said load, said valve being adapted to conduct during a portion of said sawtooth voltage wave to produce sawtooth currents in said



load, said rectifying circuit including a diode in series with a resistor for providing a path for reversed current flow when said valve is not conducting to return the energy built up in said load, and said choke including a pair of bifilar windings connected in parallel to provide a differential current so that said currents through said valve and said rectifying means combine to provide a sawtooth current wave in said load.

2,579,015
PLASTIC LOUVER FOR FLUORESCENT LIGHTS
Leslie K. Schoenbrod, Chicago, Ill., assignor to Electro Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application August 12, 1949, Serial No. 109,961
4 Claims. (Cl. 240—51.11)



1. A louver for fluorescent lighting fixtures comprising a plurality of louver sections composed of translucent plastic material, each of said louver sections having a plurality of box-like openings, each of said louver sections having a shortened side wall of a height equal to one-half that of the louver section, each of said louver sections having a pair of bosses at the opposite ends of said shortened side wall, said shortened side walls and bosses fitting on top of each other to form a louver, a basket-like frame holding said louver, said frame comprising a pair of parallel longitudinal members U-shaped in cross section and a transverse cross member having a pair of shorter portions U-shaped in cross section facing the ends of said frame, a pair of end plates removably attached to said frame, each of said end plates having mounted therein a bracket, said bracket fitting over and holding the bosses of said louver sections together, each of said end plates having a pair of spring members mounted therein, each of said spring members having an opening adjacent its end, and means comprising a pair of end brackets adjacent said end plates for removably attaching said louver to a fluorescent lighting fixture, each of said end brackets having a pair of inwardly projecting pivots, said spring members depressible by manual pressure to provide room for said pivots to pass and enter the openings in said spring members, said spring members when released holding said pivots securely within said openings against accidental displacement.

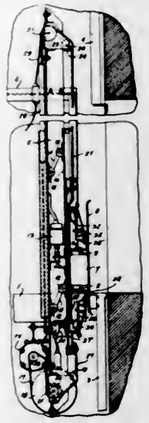
2,579,016
PREPARATION OF PHOTOGRAPHIC EMULSIONS
Orion Edwin Schupp, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1946, Serial No. 670,521
6 Claims. (Cl. 95—7)

1. The process which comprises dissolving in water polyvinyl alcohol which contains a

$$-CH_2-CHOH-$$

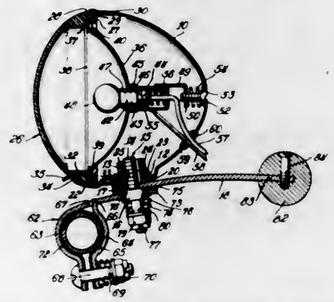
radical as the sole recurring radical and has a viscosity of 15 to 50 poises at 25° C. in the state of a solution of 10 parts of said polyvinyl alcohol, 80 parts of water, and 10 parts of ethanol, precipitating light-sensitive silver halide in the resulting solution, ripening the resulting dispersion, treating the ripened dispersion with an agglutinating agent allowing the agglutinated particles of polyvinyl alcohol and silver halide to settle, removing the supernatant liquid, and washing the agglutinate until it has pAg of 7.0 to 9.0.

2,579,017
ELEVATOR DOOR CONTROL MECHANISM
Julius A. Schweig, Clayton, Mo., assignor to Security Fire Door Company, St. Louis, Mo., a corporation of Missouri
Application December 30, 1949, Serial No. 136,029
14 Claims. (Cl. 187—51)



5. In an elevator shaft, a door for said shaft and an elevator car movable in said shaft, an operator for said door comprising an electromagnet, means for supporting said electromagnet on said car for vertical movement, means for reversely vertically moving said electromagnet, an armature on said door engageable with said electromagnet, the electromagnet opening and closing said door as it is moved vertically, means for energizing said electromagnet when it is in position opposite said armature, means for deenergizing said reversely movable means prior to the door being fully open or closed and for reenergizing same for completing the motion of the door; and means for permitting over-travel of said electromagnet in either direction of its travel, thereby definitely providing for engagement of the electromagnet and armature on said door during the return movement thereof.

2,579,018
DIRECTED BEAM LIGHT UNIT
Frank W. Schwinn, Chicago, Ill.
Application April 1, 1948, Serial No. 18,437
1 Claim. (Cl. 240—7.55)



In a directed beam light unit for mounting on a member having a cylindrical outer surface, the combination comprising a housing carrying a lens and a reflector in opposed relationship, and means providing a swivel support for the housing and upon which said housing is adjustable in transverse directions, said means including a clamp having parts hingedly connected together and oppositely curved to fit against opposite sides of the cylindrical outer surface of said member, adjustable spring means for urging said parts toward one another at a distance from the hinge connection thereof so as to effect gripping action of the parts, a lining of relatively flexible fiber material disposed between and forming a gripping lining for the parts, one of said parts having an extending end portion bored to provide a bearing, a handle having arm and grip portions, a stud having opposed end portions, one of which is nonrotatably secured to said housing and to one end of the arm portion of the handle so that the grip portion thereof is spaced from the housing, said stud having an enlarged bearing portion thereon between said opposed end portions and fitting into the bearing of said extending end portion of one of the clamp parts, said enlarged bearing portion providing a shoulder against which the handle is gripped and located, a fiber washer disposed between said handle and said extending end portion of one of the clamp parts, and spring means mounted on the end portion of the stud opposite the housing for urging the handle and said extending end portion of one of the clamp parts into frictional engagement with said fiber washer.

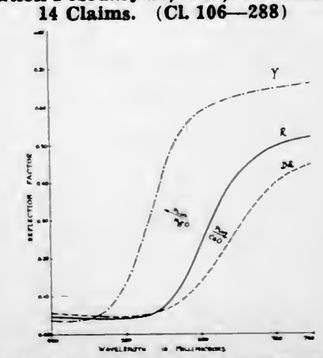
2,579,019
CHARACTERISTIC ACCUMULATOR FOR SLIDE RULE CURSORS
Joseph J. Smidl, Portland, Oreg.
Application June 18, 1951, Serial No. 232,161
6 Claims. (Cl. 235—64.3)

1. A characteristic accumulator for use in connection with a slide rule, comprising means forming a trackway, a plurality of indicia-bearing plates mounted end to end in said trackway and guided thereby for sliding movement therealong, a sliding member mounted for reciprocable movement alongside of said trackway forming means, means limiting the movement of said sliding member in either direction, resilient means normaly maintaining said sliding member in a neutral position, a pair of oppositely directed, spring-urged dogs mounted upon said sliding member and both normally projecting into said trackway and into engagement with said plates, and means associated with said



trackway forming means to retract the trailing one of said dogs while the forward one of said dogs is in engagement with said plates when said sliding member is moved in either direction from said neutral position, the extent of movement of said sliding member in either direction being such as to cause the plate-engaging dog to displace said plates by the width of one of said plates, said trackway forming means having a window therein through which the indicia of one of said plates may be viewed.

2,579,020
COLOR SHIFTING AGENTS AND METHOD OF USING SAME
Frederick Gordon Smith, Toronto, Ontario, Canada
Application February 27, 1948, Serial No. 11,488
14 Claims. (Cl. 106—288)

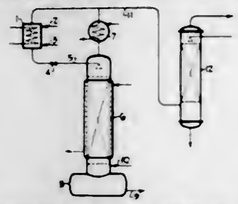


5. A pigment comprising in combination: zinc oxide, a colouring metal oxide disposed in solid solution within the crystal structure of the zinc oxide, and a colourless colour shifting agent selected from the group consisting of magnesium oxide and cadmium oxide present in an amount of between 2% and about 30% by weight of the zinc oxide and colouring metal in solid solution in said pigment.

2,579,021
PRODUCTION OF CHLORINATED ACETALDEHYDES AND THEIR ACETAL DERIVATIVES
Wilhelm C. Brezesinska Smithuysen and Coenraad D. F. Eerbeek, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 1, 1947, Serial No. 758,458
In the Netherlands July 10, 1946
11 Claims. (Cl. 260—601)

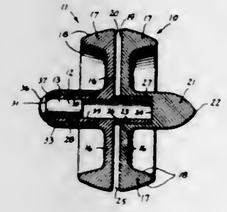
1. In a process for producing a chlorinated product of the group consisting of dichloroacetaldehyde, its hemi-acetal and acetal, and trichloroacetaldehyde, its hemi-acetal and acetal, by reacting chlorine with ethyl alcohol in the cold and then chlorinating the resulting mixture at

an elevated temperature, the step of accomplishing the chlorination at the elevated temperature comprising introducing the mixture obtained from the cold chlorination at the top of a rectifying column maintained at an elevated temperature and introducing the remaining theoretical amount of chlorine at the bottom of the column



at a point above the liquid level in the said column wherein the chlorine rises in the column and comes in contact for a brief period with the liquid descending from the top, immediately removing the formed hydrogen chloride at the top of the column and removing the liquid products from the bottom of the column and recovering the desired chlorinated product therefrom.

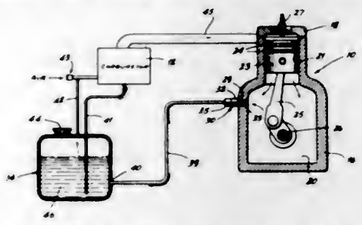
2,579,022
SPINNING TOY
Jacob L. Spencer, Los Angeles, and Carl L. Spencer and J. B. Spencer, South Gate, Calif.
Application August 6, 1948, Serial No. 42,946
5 Claims. (Cl. 46—61)



1. A toy adapted for use as either a top or a yo-yo, comprising a first circular body section having a central opening on one side and a central axis projection at the other side for engaging a horizontal surface to permit spinning of the toy as a top, a second circular body section having a tubular portion extending axially therethrough and projecting from both sides, one end of said tubular portion being receivable in the opening of said first body section to frictionally and detachably secure the two sections together while maintaining them in spaced relation outwardly of said tubular portion to form an annular recess between the sections, and a handle rotatably carried by the other end of said tubular portion for holding the toy while spinning, the weight of the toy including said handle being balanced to either side of said recess, with said recess extending vertically.

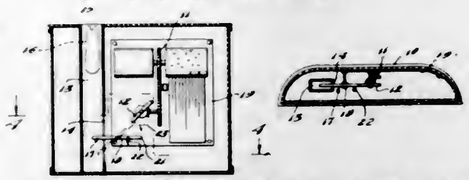
2,579,023
FUEL PUMP APPARATUS AND METHOD
Frank S. Thomas, Jr., St. Louis, Mo., assignor to Development Corporation, Inc., St. Louis, Mo., a corporation of Missouri
Application April 30, 1948, Serial No. 24,240
5 Claims. (Cl. 123—136)

1. In combination with a gasoline engine, its associated carburetor and gasoline tank, of a conduit leading from the crankcase of the engine into the gasoline tank venting the former into the latter for lifting the gasoline to the car-



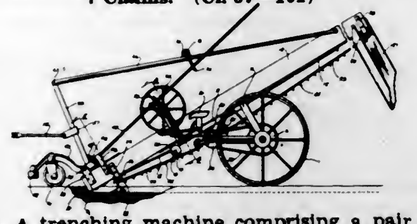
buretor, the lead of said conduit into the crankcase of the engine comprising the sole opening thereinto exclusive of cylinder wells.

2,579,024
MUSICAL HOLDING DEVICE
Rudolf Trevor and Leslie Mende, New York, N. Y., assignors to Tre-Mend Novelty Corp., New York, N. Y., a corporation of New York
Application March 12, 1948, Serial No. 14,604
8 Claims. (Cl. 84—95)



1. A combined toothbrush holder and musical device comprising in combination a casing having a casing wall; spring operated musical means arranged within said casing; a movable member forming part of said spring operated musical means, said member moving during operation of said musical means but stopping such operation while prevented from moving; an aperture in said casing wall; at least one holding means for a toothbrush arranged within said casing under said aperture; and a turnable double armed blocking member arranged within said casing turnably between inoperative position in which one lever arm of said double armed blocking member reaches into said holding means and the other lever arm is located outside of the path of said movable member and blocking position in which said one lever arm is moved out of said holding means and the said other lever arm is moved thereby into the path of said movable member preventing movement of the same.

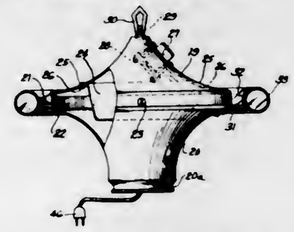
2,579,025
TRENCHING MACHINE
Henry Van Donselaar, Grinnell, Iowa
Application May 31, 1947, Serial No. 751,518
7 Claims. (Cl. 37—101)



1. A trenching machine comprising a pair of wheels on an axle, a supporting structure mount-

ed on the axle between the wheels, an elevator mounted on the supporting structure, a cutting edge on the forward end of the elevator, said supporting structure presenting a pair of spaced flanges on the supporting structure, a groove on each side of the elevator receiving the flanges on the supporting structure, said elevator slidable longitudinally on the flanges and means associated with the elevator to lower or raise the forward end of the elevator with respect to the means associated with the elevator.

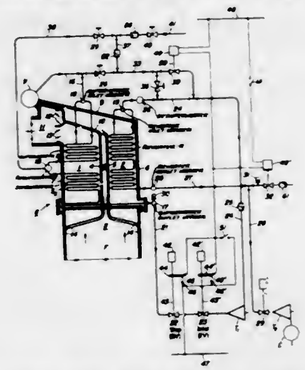
2,579,026
CIRCULAR FLUORESCENT LIGHTING APPARATUS TO REPLACE AN INCANDESCENT LAMP IN STAND LAMPS
Carlyle D. Walter, Porter County, Ind.
Application July 30, 1949, Serial No. 107,745
5 Claims. (Cl. 240—51.12)



1. A fluorescent lighting unit for use in an incandescent floor or table lamp structure comprising a shell consisting of separable upper and lower sections, the upper section flaring outwardly from top to bottom and terminating at the lower end in a depending flange and the lower section flaring outwardly from bottom to top and terminating at the upper end in an upstanding flange arranged for telescopic engagement with the flange of the top section, said sections providing a casing for housing a ballast for a fluorescent tube and having exterior light reflecting surfaces, said lower section being shaped for seating in a reflector support in a lamp structure and being open for accommodating means electrically connecting the ballast to a lamp socket of the structure, one of said sections being provided with flexible supporting clips located outwardly of the respective flange, and a circular fluorescent lamp releasably supported by said clips in a position encircling the shell adjacent said flanges and being electrically connected to the ballast, the relation of said reflecting surfaces to the fluorescent lamp being such that some of the light rays from the lamp are reflected upwardly by the upper reflecting surface and some reflected downwardly by the lower reflecting surface to provide both direct and indirect lighting effects.

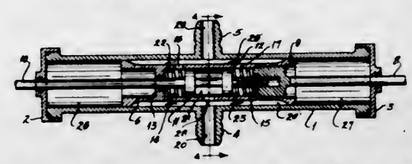
2,579,027
OVERHEAT PROTECTION FOR STEAM REHEATERS
Paul R. Walter, East Orange, N. J., and John W. Thompson, Weymouth Heights, Mass., assignors to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application April 14, 1949, Serial No. 87,484
20 Claims. (Cl. 60—73)

10. In a steam power generating station, a steam generator, a high pressure stage of a steam turbine and a low pressure stage, a steam superheater having low and high temperature sections and a desuperheater therebetween with respect to steam flow and a steam reheater all associated with the steam generator, a first conduit for conveying steam from the steam generator to the inlet of the superheater, conduits interconnecting the desuperheater with the superheater sections, a second conduit connecting the superheater outlet with the high pressure stage steam turbine inlet, a turbine steam admission valve in said second conduit, means responsive to turbine speed for effecting automatic closure of that valve when said speed reaches a predetermined value, a third conduit connecting the high pressure stage turbine outlet with the inlet of the reheater and a check valve in said conduit to prevent reverse flow of steam therethrough, a fourth conduit connecting the reheater outlet with the low pressure stage turbine



inlet, a relief valve in said fourth conduit for at proper times venting steam therefrom to the atmosphere, a fifth conduit interconnecting the desuperheater with the reheater inlet through said third conduit, a normally closed shut-off valve in said fifth conduit, and means rendered effective upon closure of said turbine admission valve for then opening said shut off valve whereby upon interruption of the steam flow to the high pressure stage of the turbine by said turbine valve closure the aforesaid shut off valve in the fifth conduit will open and admit steam from the said desuperheater into the reheater inlet and thereby cause that steam to pass as a coolant through the reheater and out to the atmosphere through the relief valve in the fourth conduit.

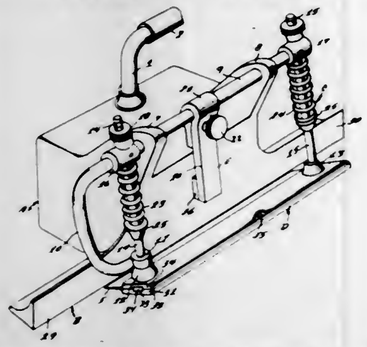
2,579,028
HYDRAULIC POWER UNIT FOR ACTUATING AIRCRAFT CONTROL DEVICES
Robert J. Baldwin, St. Louis County, Mo., assignor to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application January 10, 1948, Serial No. 1,615
8 Claims. (Cl. 121—41)



1. A fluid motor comprising a cylinder; a piston having a chamber therein and movable in said cylinder, said piston forming a chamber in each end of said cylinder; valve means in said piston chamber; means through which pressure fluid is introduced into said piston chamber including a passageway and a port in said piston communi-

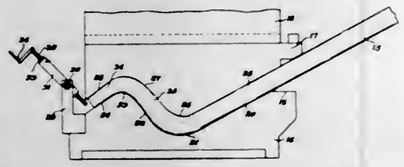
cating with a port in said cylinder; means for establishing separate communication channels between said piston chamber and the chambers in said cylinder, each of said communication channels including ports in said piston; means for adjusting said valve means in said piston so that fluid will selectively flow into one of said cylinder chambers, said valve means when in neutral position in said piston chamber preventing flow of fluid through said ports into said cylinder chambers, thereby locking said piston in position in said cylinder; and resilient means for restoring said valve to neutral position after each actuation of said valve.

2,579,029
SKIN GRAFT INSTRUMENT
Earl S. Barker, Chippewa Falls, Wis., and Donald E. Barker, Burbank, Calif.
Application October 12, 1948, Serial No. 54,008
9 Claims. (Cl. 128—305)



2. An apparatus for cutting skin for skin grafting operations, which comprises a suction box for engaging a predetermined area from which skin is to be removed, means in the bottom of the box for applying localized suction to the area for drawing the skin to be cut upwardly against the localized area of the box, a cutting blade removably mounted in position adjacent to the suction-applying means, mounting instrumentalities for the blade carried by the box and permitting reciprocation of the blade with respect to the skin to be cut, said blade having a cutting range greater than the width of the box, and laterally extending skin depressing guard means carried by the box and projecting beyond the limits of reciprocation of the cutting blade for preventing cutting of tissue beyond the desired predetermined area.

2,579,030
METHOD OF MAKING EQUALIZER BEAMS
Charles A. Brauchler, Canton, Ohio
Application May 10, 1946, Serial No. 668,808
2 Claims. (Cl. 29—164)



2. The method of making an equalizer beam having a main body portion provided with a generally I-beam cross-sectional shape, thickened end portions of generally I-beam cross-sectional shape curving and tapering upward and outward from the main body portion, and thickened seats of substantially rectangular cross-sectional shape at the extremities of the end portions; which method includes the steps of providing a straight bar blank of substantially rectangular cross-sectional shape; heating each end portion of the blank, then simultaneously tapering and bending each heated end portion successively upwardly and outwardly, then with the partly completed product at forging temperature forging each half thereof laterally to finished shape in closed dies so as to increase the width and decrease the thickness of the main body portion thereof and to simultaneously forge said main body portion and said upwardly bent portions to substantially I-shape cross-section having upper and lower chord flanges and a connecting web having arcuate concave side surfaces while forming the connecting web of the main body portion of less thickness and greater width than the connecting web of the upwardly bent portions; and to simultaneously further taper said upwardly bent portions and to form said outwardly bent end portions into thickened rectangular seats having a width substantially the same as the chord flanges and merging the I-beam cross-section of said upwardly bent portions into the rectangular cross-section of said seats.

2,579,031
PISTON RING
William F. Cook, San Diego, Calif.
Application June 5, 1947, Serial No. 752,624
1 Claim. (Cl. 309—44)



A piston ring for operating in a cylinder, embodying outer split ring sections having beveled inner surfaces beveled to feather-like edges, and an inner ring section having beveled outer surfaces providing an inner feather-like edge contacting with the beveled inner surfaces of the outer ring sections, said inner ring sections presenting a continuous cylinder wall engaging surface of a width equal to the over-all width of the piston ring, the ends of each section being in contact, and the outer surface of each ring section being beveled towards the ends thereof providing a space between the ring sections and cylinder wall in which the piston operates, eliminating sharp edges at the ends of the split ring sections.

2,579,032
FRUIT JUICE EXTRACTOR
Daniel C. Comotto, Washington, D. C.
Application August 15, 1949, Serial No. 110,399
2 Claims. (Cl. 100—49)

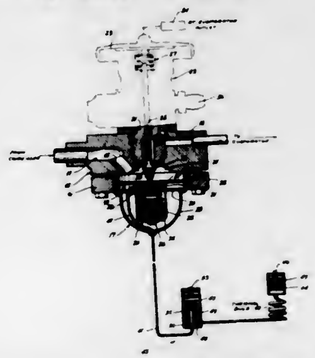


1. A juice extractor comprising a tapered hollow sleeve having an upper, enlarged end wall portion and a lower, restricted end wall portion spaced from said upper end wall portion, the lower edge of the lower end wall portion being provided with a cutting edge, the upper and lower end wall portions being connected by spaced bars, and the said portions and bars being also interconnected by a helical cutting thread, said thread having a cutting edge on the outer face thereof, said helical thread intersecting said bars.

2,579,033
POLYMERIC POLYAMINE SALT COMPOSITIONS
Martin E. Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 7, 1948, Serial No. 48,161
10 Claims. (Cl. 260—29.4)

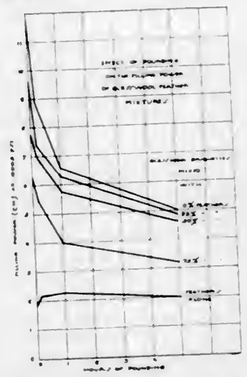
1. An aqueous composition containing formaldehyde and a salt of a polymeric polyamine, said polymeric polyamine being the product obtained by the reductive amination of a polymer of a monoolefin containing from 2 to 4 carbon atoms with carbon monoxide, which polymeric polyamine has a main carbon chain and amino nitrogens attached solely to members of the class consisting of hydrogen and hydrocarbon as lateral substituent groups with the nitrogen thereof directly attached to a carbon atom which is an integral part of said main carbon chain.

2,579,034
MULTIPLE RESPONSE OVERRIDE FOR THERMAL VALVES
John E. Dube, Chesterfield, and George D. Bower, University City, Mo., assignors to Alco Valve Company, University City, Mo., a corporation of Missouri
Application June 8, 1945, Serial No. 598,318
20 Claims. (Cl. 62—8)



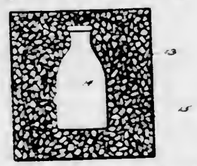
1. In a mechanism of the kind described, a valve adapted to regulate flow between an inlet and an outlet, means for operating said valve in one direction in response to predetermined conditions, an override means to return said valve in the opposite direction despite the condition of the operating means, said override means including a pressure-responsive movable wall subjected on one side to the inlet pressure, thermally-responsive means including a thermally expansible fluid on the opposite side of the wall, and abutment means connecting the wall and the valve for operation of the valve in said opposite direction upon reduction in temperature of the thermal fluid, or upon increase in inlet pressure, beyond predetermined extreme values of each.

2,579,035
INSULATION COMPOSITION OF RESIN-IMPREGNATED GLASS WOOL BRIQUETTES AND FEATHERS
Norman B. Edelman, Philadelphia, Pa.
Application October 11, 1948, Serial No. 53,947
10 Claims. (Cl. 252—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Filling and insulating material comprising a uniform mixture of feathers and pre-fabricated glasswool bodies impregnated with approximately 10% to 30% resin by weight.

2,579,036
INSULATION, FILLING, AND PACKING
Norman B. Edelman, Philadelphia, Pa.
Application October 11, 1948, Serial No. 53,948
4 Claims. (Cl. 154—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

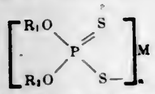


1. A heat insulating structure comprising a covering and a filling of freely flowing insulating material contained therein, said material comprising a plurality of individual shape-sustainingly bonded 3-dimensional elastic glass fiber bodies, each of said bodies having a length of from about ½ inch to about 6 inches in any direction and being uniformly impregnated with from about 10% to about 35% by weight of resin binder, said bodies being packed in said covering in irregular arrangement.

2,579,037
LUBRICATING COMPOSITION
Elliott Alfred Evans and John Scotchford Elliott, London, England, assignors to C. C. Wakefield & Company Limited, London, England, a British company
No Drawing. Application December 6, 1948, Serial No. 63,843. In Great Britain December 9, 1947
15 Claims. (Cl. 252—48.6)

1. A lubricating composition comprising as a major ingredient a mineral oil base, said base

having incorporated therein as an additive a small amount sufficient to inhibit bearing corrosion and oxidation of said oil and to substantially reduce the deposition of gum, lacquer and carbon, of an oil-soluble salt of an organic dithiophosphoric acid represented by the general formula



wherein n represents the valency of the metal M, R_1 is a saturated radical free from aromatic substituents and containing an ether grouping and is selected from the group consisting of aliphatic radicals and heterocyclic radicals containing only carbon and oxygen in the nucleus and R_2 is an organic radical having at least 5 carbon atoms and embodying a radical selected from the group consisting of saturated aliphatic radicals, saturated alicyclic radicals and saturated heterocyclic radicals containing only carbon and oxygen in the nucleus.

2,579,038

LUBRICANT COMPOSITION

Elliott Alfred Evans and John Scotchford Elliott, London, England, assignors to C. C. Wakefield & Company Limited, London, England, a British Company

No Drawing. Application December 6, 1948, Serial No. 63,844. In Great Britain December 9, 1947

6 Claims. (Cl. 252—46.6)

1. A lubricating composition, which comprises, a hydrocarbon lubricating oil base in major proportion between 0.05% and 2.0% by weight of said base, a proportion between 0.05% and 2.0% by weight of said base of a tin salt of an oil-soluble petroleum sulphonic acid and a proportion between 0.1% and 2.0% by weight of said base of an oil-soluble chromium salt of an octyl cresyl dithiophosphoric acid.

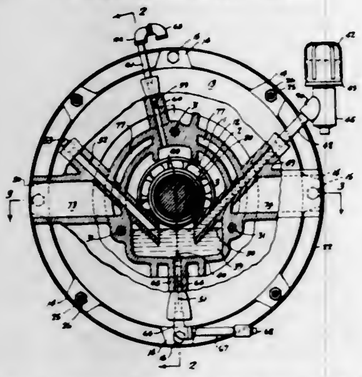
2,579,039

LUBRICATING SYSTEM

William M. Evans, Inglewood, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California

Original application May 17, 1943, Serial No. 487,270. Divided and this application April 3, 1948, Serial No. 18,733

6 Claims. (Cl. 184—103)



1. In a bearing lubricating system: a bearing structure adapted to support a substantially horizontal shaft; means forming a lubricant well below the shaft; a conduit extending upwardly from the well; said conduit having an opening in constant communication with said well; and a sealed lubricant reservoir connected in fluid-tight relation to the top of the conduit; the lower opening of the conduit being thus adapted to determine the level of lubricant in the well, the said lower opening being close to and below the axis of the shaft in order that the said level remains substantially at a constant distance below the shaft axis upon incidental deviation of the well from a desired position.

2,579,040

FOLDING LEG SUPPORT FOR COMBINATION COMMODE AND HIGH CHAIR

Waverly Lee Forrest, Crittenden, Va.

Application October 12, 1948, Serial No. 54,058

1 Claim. (Cl. 155—196)



The combination with a box-like body including bars secured within the body at the bottom thereof adjacent to the walls of the body, said body having openings formed therein, said bars having openings aligning with the openings of the bottom, of a removable and collapsible leg assembly comprising a plurality of leg members having reduced ends providing shoulders, the reduced ends being removably fitted within said openings, said shoulders engaging the bottom of the body, blocks secured to the upper ends of the leg members adjacent to the reduced ends of the leg members supporting the weight of the body, and base bars pivotally connected with the leg members normally holding the leg members in spaced relation with respect to each other.

2,579,041

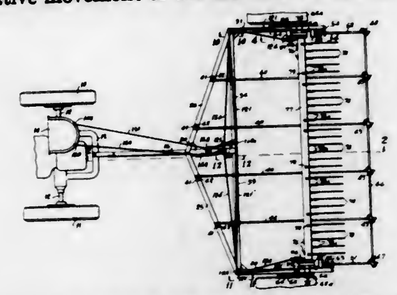
HAYRAKE

Noah H. Godley, Charlotte, N. C.

Application August 6, 1949, Serial No. 108,912

4 Claims. (Cl. 56—391)

2. An improvement in a hay rake having a main frame and a ground wheel on each side of the main frame and having a tine frame rotatably mounted in the main frame and with clutch means between the ground wheels and the tine frame for intermittently imparting rotation to the tine frame, said clutch means comprising a disk having an annular portion provided with internal teeth and a finger or dog for engaging the internal teeth and having tension means normally tending to engage the dog with the internal teeth to lock the tine frame to the ground wheels to cause rotation of the tine frame, said improvement comprising manually operable means for engaging a portion of the clutch means to move the dog out of engagement with the internal teeth to de-clutch the tine frame from the ground wheels, locking means carried by the tine frame for engaging opposite sides simultaneously of the means for declutching the tine frame from the driving portion of the clutch for preventing relative movement of the tine frame in either direction, and means disposed into the path of the clutch means for de-clutching the tine frame from the internal teeth of the disk when the tines are in elevated position and means for engaging the locking means to prevent rotation of the tine frame in either direction.



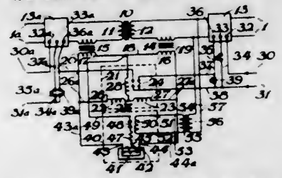
2,579,042

DIFFERENTIAL RELAY SENSITIVITY ADJUSTER

Chester L. Headley, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application July 14, 1950, Serial No. 173,847

24 Claims. (Cl. 175—294)



1. In a differential protective arrangement for an electrical apparatus, current transformers responsive respectively to current entering and leaving said apparatus, a differential protective means connected to said transformers and comprising relay means operable to interrupt the flow of current through said apparatus and relay operating means including series-connected restraint windings and an operating winding connected to a point between said restraint windings, and sensitivity adjusting means comprising a circuit in shunt with said restraint windings having an intermediate point connected to said transformers, said circuit diverting current from said operating winding to decrease the sensitivity of said differential protective means, and time-delayed relay means connected for energization simultaneously with said apparatus for interrupting said circuit after a predetermined time interval and restoring normal sensitivity to said differential protective means.

2,579,043

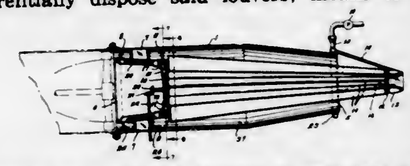
EXIT AREA CONTROL FOR JET ENGINES

George W. Kallal, Overland, Mo., assignor to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland

Application March 20, 1948, Serial No. 16,048

11 Claims. (Cl. 60—35.6)

5. An exit area control for a jet engine comprising a tubular member having an open end whose area is to be varied; a plurality of longitudinally extended louvers; means supported at each end of said tubular member to circumferentially dispose said louvers; means to rotatably support said louvers in said last mentioned means; and means to rotatably adjust each louver on its longitudinal axis to thereby vary the effective area of said open end.



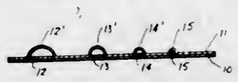
2,579,044

METHODS OF EMBOSSING FILM AND COATINGS PRODUCED FROM HEAT CURABLE ELASTOMERS

Saul W. Kober, Flushing, N. Y.

Application July 16, 1948, Serial No. 39,166

1 Claim. (Cl. 117—15)



The method of producing embossed forms on a surface which comprises letter press printing on a paper base with a hydrophilic ink which is composed of 2½ parts ammonium bicarbonate, 2½ parts sodium bicarbonate, 10 parts diethanolamine, 3 parts oil-modified phenolic varnish, 18 parts dextrin, 6 parts water and pigment, said ink being hygroscopic, allowing inked portion to accumulate atmospheric moisture upon its surface, applying over the printed paper base a layer of vinyl chloride plastisol, said vinyl chloride plastisol being composed of a paste of substantially 100 parts vinyl chloride resin, 65 parts dioctyl phthalate plasticizer and 2 parts basic lead carbonate stabilizer, said plastisol setting at approximately the temperature of water vapor at 212° F., and curing at approximately 350° F., and then subjecting printed and coated paper base to a temperature of 350° F. to cause transformation of accumulated atmospheric moisture upon said ink into gases for embossing said layer of vinyl chloride plastisol while it is setting, said temperature of 350° F. also releasing additional gases from the bicarbonate and holding combined gases under pressure until the vinyl chloride plastisol is cured in order that said vinyl chloride coating is soft and flexible and is embossed with a permanent and resilient facsimile in relief.

2,579,045

DEODORANT AND ANTISEPTIC DISPENSER

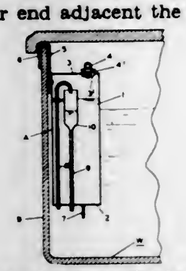
Morton L. Levitt, Clayton, Mo., assignor to Alfred W. Petchaft, Clayton, Mo.

Application February 15, 1947, Serial No. 728,919

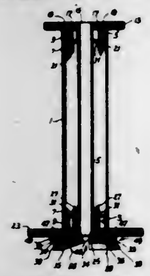
11 Claims. (Cl. 4—228)

1. A deodorant dispenser comprising a container for receiving a quantity of deodorant liquid, a drip-nozzle depending from the bottom of the container, a drain-tube mounted in said container, said drain-tube opening at one end adjacent the top of the container and opening at its other end adjacent the bottom of the container, and a vent-tube extending in, and opening at one end adjacent the upper extremity of, the container into said drain-tube, said vent tube open-

ing at its other end adjacent the lower extremity of the container above the lower end of the nozzle.



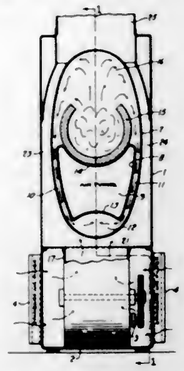
2,579,046
SPOOL
John P. Locke, University City, Edmund W. McLean, Webster Groves, and Loren Farquhar Bridge, Kirkwood, Mo., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation
Application July 29, 1950, Serial No. 176,726
8 Claims. (Cl. 242—124)



1. A spool comprising a barrel having a head at one end, and a pair of combination drive lug and tail retainer elements, each of said elements being formed generally in the outline of a segment of a circle on a chord, and thereby having a substantially straight chordal side and an arcuate side, the arcuate side of each element being undercut, said elements being secured to the spool against the outer face of the head with their undercut arcuate sides narrowing toward the head and with their chordal sides on opposite sides of the axis of the spool and generally parallel to one another and thereby defining a keyway for receiving a driving key.

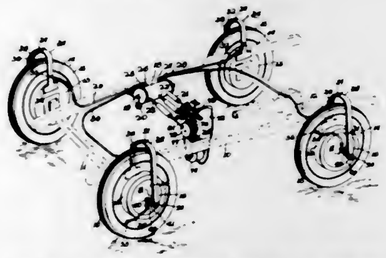
2,579,047
FORCED AIR FLOW AIR-HEATING FURNACE
Donald J. Luty, Highland Park, Mich.
Application March 31, 1947, Serial No. 738,458
2 Claims. (Cl. 126—110)

2. In a furnace structure of the type for heating air, an outer casing, an inner casing in the form of a wrapper sheet fashioned into tubular form which is horizontally disposed and vertically elongated and spaced from the walls of the outer casing to provide air passages, a fire box in an intermediate portion of the elongated inner casing, a tunnel structure extending through the inner casing below the fire box, which tunnel structure communicates with passages at opposite ends of the furnace for the passage of air therethrough, said tunnel structure having walls spaced from the wrapper sheet of the inner casing to provide ducts for carrying the products of combustion from one end of the inner casing to the other end thereof past said tunnel structure, the lower wall of the tunnel structure and the lower end of the inner casing cooperating to form a duct adjacent the air tunnel for receiving the products of combustion from the first mentioned ducts, the last named duct having an outlet extension passing through an air passage and



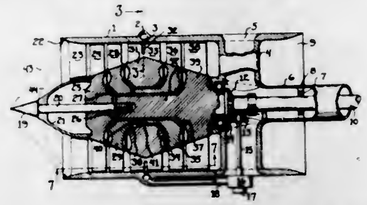
through the outer casing, means for pumping air into a passage adjacent one end of the furnace, and means for partially obstructing said last named passage so as to divert some of the air through said tunnel structure.

2,579,048
AUTOMATIC PRESSURE CONTROL SYSTEM FOR PNEUMATIC TIRES
William R. Paul, Amarillo, Tex.
Application January 19, 1950, Serial No. 139,375
4 Claims. (Cl. 152—416)



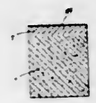
1. An automatic pressure control system for a wheeled vehicle with pneumatic tires, said vehicle having a master air supply tank mounted thereon, said tank having a plurality of outlets, an air supply conduit connected to each of said outlets, wheel mounted swivel air conduit couplings each connected to one of said air supply conduits for supplying air to the inner tube of the tire on its respective wheel, each coupling having two relatively turnable members formed with air conduit connecting nipples the first nipple serving as an air intake from the outlets of said master air tanks through one of said conduits and the second nipple as an outlet connection to the inner tube, an inlet connection opening into said tank, an air pump connected to said tank by said inlet connection, pressure responsive means controlled by pressure in said tank connected to said master tank, an electric circuit, an electric switch in said circuit actuated to open and closed positions by said pressure responsive means, an electric motor in said switch circuit in driving connection with said air pump, said motor being actuated upon closing said switch circuit, thereby operating said air pump upon reduction in pressure due to leakage or the like, and a blow off valve on the tank for reducing excess pressure developed in the tank from heat exchange conditions or the like.

2,579,049
ROTATING COMBUSTION PRODUCTS GENERATOR AND TURBINE OF THE CONTINUOUS COMBUSTION TYPE
Nathan C. Price, St. Helena, Calif.
Application February 4, 1949, Serial No. 74,663
13 Claims. (Cl. 60—39.35)



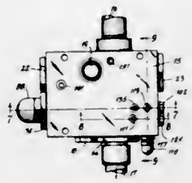
6. In combination in a power plant, a gas turbine rotor, impeller vanes furnished on said rotor, said vanes forming passages for flow of air therethrough, the inlet portion of said passage being convergent and the outlet portion of said passage being divergent, means for injecting fuel into the air stream adjacent to the juncture of said convergent and said divergent portions, said vanes containing at least one cavity interiorly thereof extending continuously along said convergent and said divergent portions of said passage, said cavity containing a heat transferring liquid.

2,579,050
ENAMELING OF CONCRETE MATERIALS
William S. Ramsay, Canton, Ohio, assignor, by mesne assignments, to Stark Ceramics, Inc., Canton, Ohio, a corporation of Ohio
Application June 7, 1948, Serial No. 31,491
9 Claims. (Cl. 25—154)



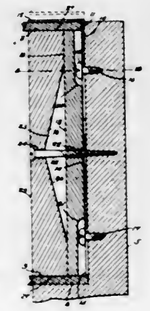
1. The method of vitreous enameling concrete articles which consists in forming a concrete article having a body of Portland cement and aggregate with a relatively thin calcium aluminate cement and refractory aggregate surface thereon, curing the concrete article, applying a coat of vitreous enamel to said calcium aluminate cement surface, and subjecting the enameled surface only to sufficient temperature for a sufficient period of time only to fuse the enamel while maintaining the Portland cement body of the article below a temperature at which the mechanical and structural properties of the concrete would be damaged.

2,579,051
UNLOADER VALVE
Howard E. Rose, Normandy, Mo., assignor to Alco Valve Company, University City, Mo., a corporation of Missouri
Application September 29, 1943, Serial No. 504,213
10 Claims. (Cl. 137—153)



1. In a mechanism of the kind described, a valve body having a high pressure inlet, a working outlet, and a low pressure outlet, a main valve adapted in a first position to cut off the inlet and the working outlet from the low pressure outlet, and movable toward a position to admit fluid flow from the inlet to the low pressure outlet, said valve having means to admit such flow in varying amounts determined by the amount of movement of the valve, whereby there may be a pressure drop from the inlet to the low pressure outlet during such flow, opposing pressure chambers to control movement of said valve, control means to admit fluid at said higher pressure to the first chamber to move the main valve toward establishing said flow from the inlet to the low pressure outlet, said second chamber being connected to the low pressure outlet, and means to apply a relatively fixed force to the valve to resist the force exerted by the pressure in the first chamber.

2,579,052
SHELVING
Hazen A. Schofield, San Francisco, Calif.
Application October 28, 1948, Serial No. 57,110
2 Claims. (Cl. 211—134)



1. Knock down shelving comprising a retaining plate formed as a depending tongue rigid at least at one end with an approximately horizontally extended clamping element, there being an opening and a plurality of elongated longitudinal slots formed in the tongue; screws extending through the slots for securing said

tongue to a supporting surface; a wedge housing overlying said tongue and having a longitudinal open-ended channel, there being a space between one end of said wedge housing and said clamping element; a shelf member seated in said space; a clamping block proportioned to be expanded longitudinally beyond the ends of said channel and positioned in the channel, for clamping of the shelf member between said block and said clamping element on longitudinal expansion of the block; and a screw extending through said block, wedge housing, and opening of the tongue and into said supporting surface and proportioned for expanding the block longitudinally, said opening being of substantially greater diameter than the diameter of that portion of the last-named screw that extends through the opening, said slots and opening adapting the tongue for adjustment longitudinally of the block and housing, whereby to accommodate in said space shelf members of different thicknesses.

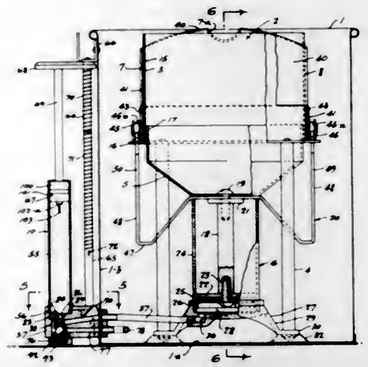
2,579,053
DEHYDRATOR
Herbert H. Schulstadt, Middletown, N. J.
Application May 15, 1946, Serial No. 669,919
2 Claims. (Cl. 210—131)



1. A dehydrator adapted for use in abstracting water from the medium of a refrigeration system, comprising a body-member having an inlet at its lower end, a top end-cap secured to said body-member, a charge of drying agent contained in said body-member and spaced below said top end-cap, an outlet tube secured to said top end-cap and depending within said body-member with its lower open end spaced below said top end-cap and terminating above said drying agent to provide a cavity above the lower open end of the tube for trapping any water which may escape past said drying agent, and a baffle device disposed at the lower open end of said outlet tube to deflect water out of range of said open end should any water escape through said drying agent.

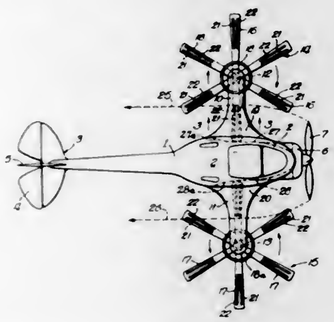
2,579,054
APPARATUS FOR PRESSING OUT LIQUID
Ray W. Scott, Los Angeles, Calif.
Application December 28, 1944, Serial No. 570,128
7 Claims. (Cl. 15—261)

1. In a wringer mechanism, a housing open at both ends, a pressure member movable longitudinally in the housing, means for moving said member in pressure exerting direction, means including a gate element pivoted on the housing for movement transversely of the housing, to close that end of the housing toward which said member moves in a pressure exerting operation, means forming a cam surface on said member, and means forming a cam follower on said element cooperating with said cam surface, said



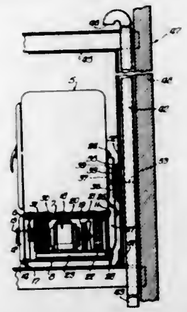
surface being so formed as to move said element to closed position in response to an initial portion of the movement of said member in pressure exerting direction, and to maintain said element in closed position during the balance of the movement of said member in pressure exerting direction.

2,579,055
ROTARY WING AIRCRAFT
Arthur M. Thompson, Chicago, Ill.
Application September 18, 1946, Serial No. 697,743
2 Claims. (Cl. 244—17.23)



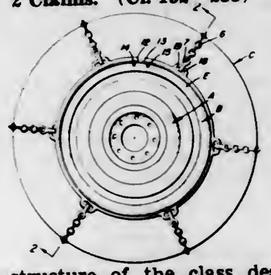
1. In an aircraft, the combination of a power unit having air propulsion means to drive said craft, and rotatable wings comprising rotary blades connected with said craft to support the same in flight, said blades being disposed to receive a portion of the backwash of said air propulsion means, and said craft having means for said blades to direct a part of said backwash portion along a predetermined path to cause the latter to react against and to rotate said blades of said rotatable wings comprising recesses in the body of said craft disposed in the general plane of rotation of said blades, said blades being arranged to permit the end portions thereof to pass through said craft recesses.

2,579,056
VENTILATING SYSTEM FOR REFRIGERATOR MECHANISMS
Arthur M. Thompson, Chicago, Ill.
Application April 8, 1948, Serial No. 19,668
10 Claims. (Cl. 62—117.4)



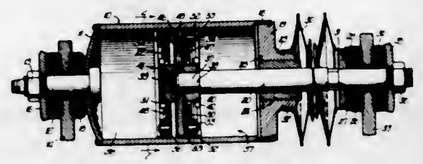
2. A ventilating system for drawing off heated air from adjacent the cooling chamber of a refrigerator, comprising a refrigerator compartment, operatively connected mechanisms mounted within said compartment for running the refrigerator, said mechanisms including a condenser cooling fan, a unitary housing forming a double air enclosure connected with said compartment with one portion of the housing connected adjacent the discharge face of the fan and another portion of the housing connected with said compartment at a point remote from said fan, separable conduit means connected with the fan connecting part of said divided housing, and an air duct arranged for connection with said separable conduit means and having at least one opening therein disposed in a location remote from said refrigerator to discharge heated air from said one opening as such air is moved out of said compartment by said cooling fan.

2,579,057
ANTISKID CHAIN ATTACHING MEANS
Philip C. Traver, Sr., Far Rockaway, N. Y., assignor of fifty per cent to Harry Forman, Far Rockaway, N. Y.
Application June 13, 1949, Serial No. 98,737
2 Claims. (Cl. 152—233)



1. In a structure of the class described, in combination, a wheel having a rim to accommodate a pneumatic tire, said rim having side flanges for retaining the beaded side walls of the casing in place, a pneumatic tire fitted removably on said rim, individual anti-skid chains adapted to extend transversely across the tread of the tire, said chains being provided at the free ends with snap-hooks, a pair of spaced parallel adapter rings anchored, respectively, on the side flanges of said rim and provided with circumferentially spaced keepers, said snap-hooks being releasably anchored in said keepers, said rings being wedge-shaped in cross-section and said keepers being on a plane with said rings.

2,579,058
SHOCK ABSORBER PISTON ASSEMBLY
Roy Lane Trimble and John Clark Hanna, Chicago, Ill., assignors to Hanna Engineering Works, Chicago, Ill., a corporation of Illinois
Application August 25, 1949, Serial No. 112,251
1 Claim. (Cl. 188—88)

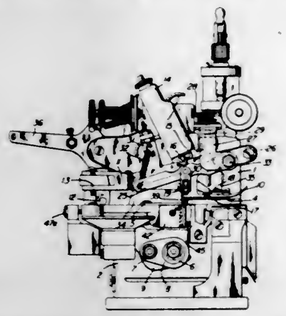


A shock absorber comprising a closed cylinder, a piston rod extending through one wall of the cylinder and adapted to have reciprocating movement, a piston assembly within the cylinder mounted on the piston rod and having a passage through the same for passing a fluid from one end of the cylinder to the other, said assembly comprising a disc member and a pair of independent piston sections, one being disposed on each side of the disc member, said disc member being fixed to the piston rod and the piston sections being mounted on the rod in a manner permitting relative movement of the sections with respect to the disc member in an axial direction and to a limited extent, a peripheral packing ring fixed to the outer surface of each piston section and having contact with the cylinder walls, said disc member having valve action with each section upon contacting the same to close the passage, whereby movement of the piston rod and thus the disc member at the beginning of a stroke in either direction will effect an opening valve action with respect to one piston section and a closing valve action with respect to the other piston section following an interval of time depending on the extent of relative movement between the parts and the speed of the piston rod, a ring of resilient material fixed to the inner surface of each piston section approximately opposite the peripheral packing ring for said section, and said disc member having a peripheral lip on each side of the same, whereby said lips contact the ring of resilient material on the piston sections respectively, as a result of the valve action which the disc member has with the piston sections.

2,579,059
SEWING MACHINE WITH CHAIN STITCH CUTTER
Frank Vanadia, Mount Vernon, N. Y.
Application November 12, 1948, Serial No. 59,561
15 Claims. (Cl. 112—252)

1. In a sewing machine having a chain stitch cutter, a work plate, a presser foot and an arm carrying the presser foot mounted on a fixed pivot permitting movement of the foot toward and away from the work plate, in combination with an upper cutter blade pivotally carried with the foot and arm, and means associated with the presser foot arm and operated by the vertical movements of the foot alternately to pivot the blade below the foot when the foot descends to the work plate, whereby the cutter blade engages the chain stitches when there is no work under-

neath the foot of the machine and raises the



blade above the foot when the foot is raised from the work plate.

2,579,060
DUPLEX RAIL ASSEMBLING ELEVATOR
Horace C. Wauson and Walter E. Bennett, Jr., Houston, Tex., assignors of one-half to Gulf Publishing Company, Houston, Tex., a corporation of Texas
Application August 25, 1947, Serial No. 770,404
6 Claims. (Cl. 199—29)



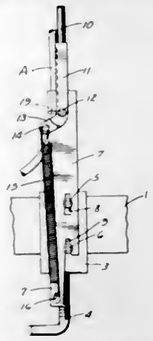
2. A duplex rail assembling elevator including, a frame, a lower rail mounted on the frame, an upper rail unit carried by said frame and disposed above the lower rail, the unit having a section movable laterally with respect to the frame so as to expose a portion of said lower rail, the remainder of the upper rail being divided into two portions, one of which is movable longitudinally of the frame and with respect to the other, the laterally moving section carrying a projection engaging within a recess in the longitudinally movable portion of the rail in one position of said section to prevent any longitudinal movement thereof.

2,579,061
COPOLYMERS OF HYDROGEN CYANIDE AND THEIR PREPARATION
David W. Woodward, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 10, 1950, Serial No. 173,003
21 Claims. (Cl. 260—85.7)

1. A copolymer of from 0.5 to 50.0 mole percent of hydrogen cyanide with from 99.5 to 50.0 mole percent of an ethylenically unsaturated monomer which undergoes addition polymerization, said copolymer containing recurring imino groups directly attached through nitrogen thereof by a double bond to a carbon atom of the main polymer chain.

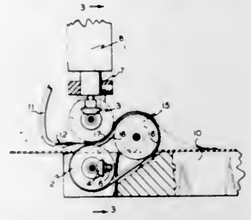
2,579,062
CORD-SUPPORTING DEVICE
William Aab, New Ulm, Minn.
Application March 27, 1950, Serial No. 152,085
6 Claims. (Cl. 248—51)

1. In a device of the class described, a base member, a rigid link pivotally mounted in said base member, a cord-carrying arm mounted on said link for limited pivotal movements with respect thereto, means yieldingly biasing said arm



toward one limit of its pivotal movement with respect to said link, and means for positively locking said link against pivotal movements with respect to said base member.

2,579,063
HEATED PRESSURE SEAMING DEVICE FOR PLASTICS
Alvadore M. Andrews, Portland, Oreg.
Application June 7, 1948, Serial No. 31,454
2 Claims. (Cl. 154—42)

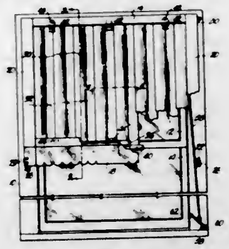


1. A heated pressure seaming device of the solvent carrying thread type wherewith two pieces of plastic are subjected to heat and pressure with a solvent carrying thread between the said pieces, characterized by an upper driven revoluble pressure roller, an electrical heating element embedded therein in substantial concentricity with and of less diameter than the perimeter of the roller, and a pressure wheel supported for power drive immediately beneath said roller, the said roller having a slightly roughened surface and the wheel having a mating raised surface to determine the width of the zone to which pressure is applied.

2,579,064
VENTILATED AWNING
David L. Carlson, Kansas City, Mo.
Application October 31, 1947, Serial No. 783,327
11 Claims. (Cl. 20—57.5)

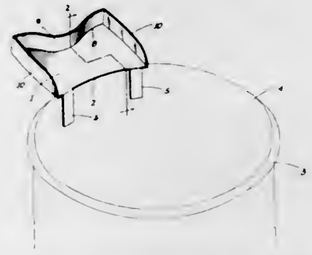
1. In an awning, a pair of frames each comprising a plurality of laterally spaced coplanar slats having their respective ends rigidly affixed to transverse side rails, means supporting the side rails of one frame horizontally at different levels so that the slats of that frame are inclined, said supporting means constructed and arranged to permit the side rails of said one

frame to move in an endwise direction, means supporting the side rails of the other frame horizontally and in vertically spaced relationship to the corresponding side rails of said one frame whereby the slats of the respective frames are parallel, said last supporting means constructed and arranged to permit the side rails of said



other frame to move in an endwise direction, and mechanism connected to corresponding side rails of the respective frames for moving one side rail endwise in one direction and simultaneously moving the other side rail endwise in the opposite direction thereby to adjust the position of the slats in the two frames relative to one another.

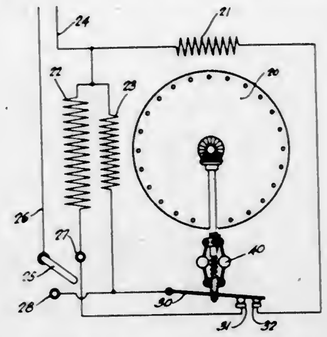
2,579,065
DRIP TRAY
Mariel L. Channell, Fresno, Calif.
Application September 13, 1949, Serial No. 115,524
2 Claims. (Cl. 222—129)



1. A drip tray comprising a generally rectangular bottom plate, a spring clip unit mounted on and depending from the plate to engage over the vertical wall of and support the tray from a cooking vessel, the unit being arranged so that the plate extends away from the vessel at an upward incline and the lower front edge of the plate overhangs the rim of the vessel, and an upstanding flange about the sides and back of the plate; the central portion of the plate at the back being cut concave to substantially fit about the neck of a preserving jar and the corresponding portion of the flange being similarly concave.

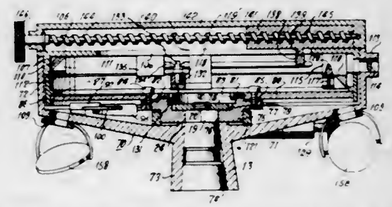
2,579,066
MOTOR CONTROL
Eldred P. Codling, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 18, 1950, Serial No. 139,241
5 Claims. (Cl. 318—221)

1. A control device for an electric motor having a starting winding and high and low speed running windings adapted to be connected concurrently in parallel with a source of electric power, said control device consisting of two switches, one normally open but selectively movable into either one of two circuit closing positions in which it cooperates with the second, normally closed switch to connect the starting winding and both the high speed and low speed running windings in concurrent parallel circuits for starting the motor; and actuating means driven



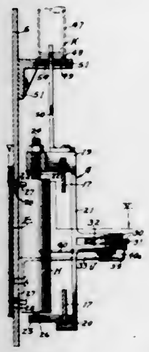
by the motor and connected to said second switch, said actuating means being operative at a predetermined motor speed to actuate said second switch into circuit breaking position thereby rendering the starting winding and either the low or the high speed running winding ineffective, dependent upon the position occupied by the selectively operable switch.

2,579,067
OPTICAL ANGLE MEASURING SYSTEM
Irwin L. Cunningham, Odessa, Tex.
Application January 12, 1948, Serial No. 1,736
6 Claims. (Cl. 88—1)



1. An angle measuring instrument including, a fixed support, a movable housing carried by the support, a transparent horizontal angle measuring plate in the housing secured to the support, a telescope mounted for swinging in a vertical arc upon the housing, a casing carried by the housing and affixed thereto, a transparent vertical measuring plate in the casing secured to the telescope, indicia on the horizontal angle measuring plate and the vertical angle measuring plate, both the housing and the casing having an optical measuring system including, means for passing beams of light through two portions of the indicia carried by each plate, an eye piece for each plate, means for directing the two beams of light for each plate into the eye piece for that plate so as to cause two images of said plate indicia to appear in each eye piece, an adjustable mirror for each plate for shifting one of the images appearing in the eye piece of that plate, and an adjustable prism for each plate for shifting the other of the images appearing in the eye piece of that plate, said mirror and said prism being adjustable separately and independently of one another.

2,579,068
NEWSPAPER VENDING MACHINE
Lewis R. Davis, Oakland, and Edward Lester, Arcata, Calif.
Application July 13, 1950, Serial No. 173,588
3 Claims. (Cl. 194—79)



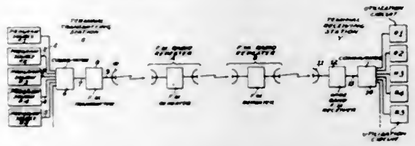
1. In a newspaper vending machine: at least one guide rail; a carriage mounted on the rail for movement therealong; a roller supported by and journalled on the carriage for turning movements; the roller being provided with paper-engaging means; the carriage having at least one arm projecting therefrom; a carriage-shifter bar movable relative to the carriage, and arranged adjacent to the arm of the latter; this shifter bar having a slot therein to receive a coin, with the coin projecting from the bar into a position to strike the carriage arm when the shifter bar is advanced with respect to the carriage, whereby further advancement of the bar will move the carriage therewith; and a lever fixed to the roller to turn the latter; the lever having an end disposed in the path of the coin to be swung thereby as the coin is moved by the shifter bar toward the arm of the carriage.

2,579,069
FREQUENCY RESPONSE CONTROLLING MEANS
Frederick H. Gardner, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application June 4, 1948, Serial No. 31,167
6 Claims. (Cl. 178—44)



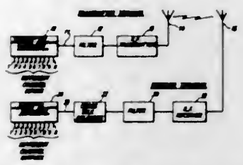
6. In an audio amplifier, an electron discharge device having an input circuit and treble tone control means in said input circuit comprising a single series connected resistance in one side of said input circuit and a shunt connected capacitor, one terminal of said shunt connected capacitor being adjustably connected to said resistance, the other terminal of said shunt connected capacitor being directly connected to the other side of said input circuit whereby the high frequency cut-off point of said amplifier is adjustable, and another capacitor connected between said one terminal and the output side of said resistance.

2,579,070
MULTIPLEX COMMUNICATION SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 14, 1945, Serial No. 577,791
14 Claims. (Cl. 250—9)



1. A frequency modulation time division multiplex communication system comprising a plurality of channels each having impressed thereon signal potentials which fluctuate through a continuous range of amplitude values, a commutator for assigning said channels sequentially and periodically to a single circuit to thereby combine portions of the signals from the different channels into a single composite signal, the time periods assigned to each channel by the commutator being repeated at a rate which is higher than highest modulating frequency in the channel, and a wide band frequency modulation transmitter coupled to said single circuit and being frequency modulated by the composite signal in such manner that the transmitted frequency during the time period assigned to each channel is varied through a continuous range of values in proportion to the value of potential in the channel and through a frequency swing of at least plus and minus one megacycle.

2,579,071
TIME DIVISION MULTIPLEX SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 16, 1947, Serial No. 761,210
14 Claims. (Cl. 343—204)



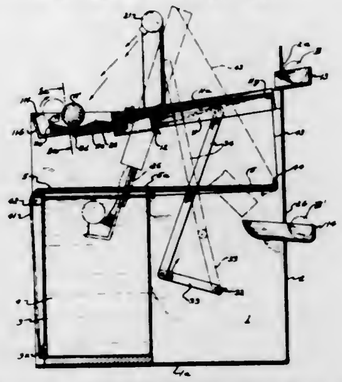
14. A time division multiplex radio system comprising a transmitting terminal having a plurality of channels each of which includes apparatus for producing time spaced pulses and for modulating the amplitude thereof, a common output circuit, a distributor for sequentially coupling said common output circuit to said channels, means in said common output circuit for widening said pulses to give them sloping overlapping edges, radio frequency carrier producing apparatus for transmitting energy representative of said widened pulses, apparatus for receiving said energy and reproducing said widened pulses, and a circuit for causing a portion of each reproduced widened pulse to neutralize a sloping side of the same or another reproduced pulse, whereby the result is a series of pulses having non-overlapping edges, and means for separating said last pulses into their respective channels.

2,579,072
FLEXIBLE SEALING STRIP
Edward P. Harris, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 27, 1950, Serial No. 164,738
2 Claims. (Cl. 20—69)



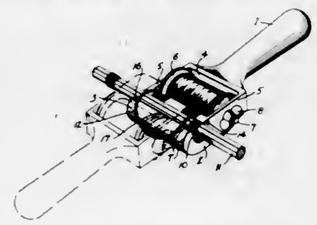
1. A flexible sealing strip adapted to be attached to a sheet metal member having a series of holes spaced therealong, said strip comprising a resiliently extensible body of soft spongy rubber-like material and a continuous longitudinally extending zig-zag resiliently extensible wire reinforcement embedded therein, said wire reinforcement having a series of exteriorly projecting integral loops spaced apart along the length of said strip, said loops having laterally resilient bulges therein each adapted to be forced thru one of the spaced holes in said sheet metal member to retain said strip thereupon, said strip being resiliently stretchable longitudinally between said loops so that each of said projecting loops may be accurately fitted into a hole normally out of registration therewith when applying said strip to said member and so that said strip may be retained under tension by said loops.

2,579,073
APPARATUS FOR SUPPORTING AND COATING GOLF BALLS
Malcom Harris, Los Angeles, Calif.
Application January 18, 1947, Serial No. 722,789
4 Claims. (Cl. 91—46)



1. In a machine of the class described, a frame having a container containing coating liquid, an arm pivotally mounted intermediate its ends at the upper portion of the frame, the arm having one free end normally inclined downwardly from its pivotal axis and disposed above the liquid in the container, said arm being provided with a track thereon along which a ball may roll from the opposite end of the arm to a position above the liquid in the container, a stop at said free end of the arm for limiting the rolling movement of the ball, means defining a pocket on the arm disposed inwardly of said stop toward the pivotal axis of the arm, and timed means operatively connected to said opposite end of said arm for sequentially tilting the arm to immerse the ball disposed against the stop into the liquid, for removing the ball from the liquid by raising the free end of the arm, for further raising the free end of the arm to cause the ball to roll into said pocket so that the excess liquid is directed therefrom, and after a predetermined interval further raising the free end of the arm and lowering said opposite end thereof to cause the ball to roll from the pocket down the track toward said opposite end of the arm.

2,579,074
FISHERMAN'S ROD WINDER
Harold L. Helwick, Renton, Wash.
Application August 14, 1950, Serial No. 179,192
2 Claims. (Cl. 242—96)



1. A rod winder comprising an elongated frame formed at one end as a handle, and extending in generally flat form to the tip of its opposite end, such opposite end having a transverse rod-receiving groove in one face inwardly of its tip, the flat portion of the frame having a transverse aperture between the handle and the groove for the reception of a thread-bearing spool, means for rotatively and removably mounting such a spool in said aperture, adjustable means to variably resist rotation of such a spool and thereby to tension the thread, thread-guiding means formed on the frame's tip to lead thread from the spool to the edge of the rod-receiving groove, a rod-retaining element formed of resilient material pivotally mounted on the frame, along an axis parallel to the groove, and reacting from the frame to overlie and resiliently retain a rod disposed in such groove, or to swing aside from such operative position for insertion of a rod in the groove, or for removal therefrom.

2,579,075
POWER HAMMER
Charles A. Hirschberg, Mountain Lakes, N. J.
Application April 14, 1949, Serial No. 87,378
10 Claims. (Cl. 123—7)

1. A machine of the power hammer type comprising a working cylinder having combustion and compression chambers in opposite ends of the same, a free piston in said cylinder having heads at opposite ends operating in said combustion and compression chambers, respectively, the combustion chamber portion of said cylinder having intake and exhaust ports and the compression chamber portion of said cylinder having an air admission port controlled by said piston heads, a fuel injector for said compression chamber, a transfer passage extending from said compression chamber to said intake port, a crankshaft journaled across said working cylinder, an inner piston operating in said free piston and connected with said crankshaft and porting connections between said pistons and working cylinder cooperative to provide a cushion of air between said pistons on the out-stroke of the same and to release cushioning air between the pistons on the inward, power stroke of said pis-

tons, including longitudinally spaced ports in each of said pistons arranged to register at a part-stroke position of said pistons and to be out of register in the full-stroke positions of said pistons



and a transfer channel in the wall of the cylinder for connecting the spaced ports in the registering relation of the same in said part-stroke position of the pistons.

2,579,076

DROP LEAF TABLE WITH LEG CONTROL LINKAGE

Boris Hoppe, Kew Gardens, N. Y.

Application March 16, 1950, Serial No. 150,025
5 Claims. (Cl. 311—63)



1. A table construction comprising in combination, a table top, a drop leaf hinged along an edge of said top, a leg structure which, when the leaf is down, is located inwardly of said edge in table top supporting position, said leg structure having a portion adjacent its upper end which extends along beneath the table top further inwardly of said edge, means affixed to the underside of the leaf and pivotally connected to said leg structure at a point which, when the leaf is down, is located below and inwardly of the drop leaf hinge axis, and a link pivotally connected at one end with respect to the underside of the table top at a point spaced substantially inwardly from said hinge axis, said link being pivotally connected at its other end to said leg structure portion at a point spaced still further inwardly from such hinge axis, said pivotal connections being located in positions complying with the following relationship

$$\frac{d}{b} < \frac{c}{a}$$

where

d=the distance of the last named point below the level of the hinge axis,

b=the distance between said second named point and a vertical plane passing through the last named point,

c=the distance of said first named point below the level of the hinge axis, and

a=the distance between the hinge axis and a vertical plane passing through said first named point,

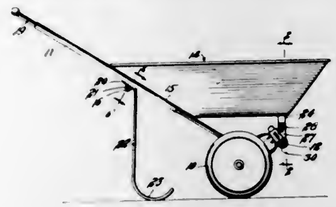
the pivoted and hinged parts thereby providing in effect a quadrangular linkage which, when the leaf is raised, initially tilts the lower part of the leg structure outwardly and shifts the leg structure into supporting position beneath the leaf.

2,579,077

BARROW ATTACHMENT FOR LAWN MOWERS

Cornelius A. Hubner, Bloomingdale, N. J.

Application August 16, 1947, Serial No. 769,003
1 Claim. (Cl. 280—51)



A barrow attachment comprising a holder for mounting on a lawn mower of the type having an inclined handle and a ground roller with spindle portions exposed at opposite ends of the same and disposed in upside down free wheeling position, said holder having a back wall inclined to match the inclination of the handle of the lawn mower in such upside down relation and a bottom wall projecting forwardly and in spaced relation above the ground roller of the mower, angle brackets engaged with said bottom wall and having dependent end portions, means securing said brackets to said bottom wall in laterally adjusted relation and in forwardly positioned relation from the handle whereby said brackets are in overlying relationship to the ground roller, swing links pivotally mounted on the dependent end portions of said brackets and having forked lower ends adapted to engage said exposed spindle portions, an upright bar having a rounded lower end for engagement with the ground and an angled upper end for engagement with the back of the inclined handle, and a bolt extending through said inclined upper end of the bar and through the inclined back wall of the holder for removably clamping said bar and holder to opposite sides of the inclined handle.

2,579,078

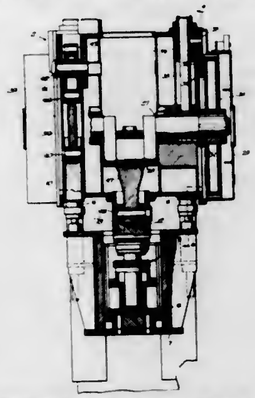
METAL DRAWING PRESS

Einar K. Johansen, Oak Park, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Application April 26, 1947, Serial No. 744,093
1 Claim. (Cl. 113—38)

A metal drawing press with spaced sides and a crown and including inner and outer slide members, said outer slide member being constructed

and provided with relatively adjustable connecting members extending upwardly from each end of the outer slide member, a guide sleeve for each of said connecting members mounted in the sides of the press, a rotatable main drive shaft mounted in the sides of the press and having outwardly extending ends, a stationary guide rod depending from the crown adjacent each end of said shaft and inwardly of said spaced sides, a crosshead slidably mounted on each of said guide rods, a plurality of linkage means for connecting the crossheads to the outer slide member, each linkage means lying in a plane perpendicular to the main drive shaft and connecting one of said crossheads with one of the relatively adjustable connecting members on said outer slide member, an eccentric mounted on each extending end of



said drive shaft, a strap surrounding each eccentric and pivotally connected to the adjacent crosshead, whereby rotation of said shaft will reciprocate said crossheads through the medium of said eccentrics to actuate said linkage means and operate the outer slide member connected thereto, one of the links of each of said linkage means being mounted for free movement through a predetermined distance, permitting said outer slide member to dwell in actuated position during continued movement of said crossheads, said drive shaft being formed with a central crank portion, and a connecting rod pivotally secured to said crank portion and said inner slide member, to thereby actuate said inner slide member in a predetermined timed relation with the outer slide member.

2,579,079

INTERPOLYMERS OF MONO-2-ALKENYL ETHERS OF SATURATED MONOHYDRIC ALCOHOLS OR PHENOLS WITH ESTERS OF SATURATED MONOHYDRIC ALCOHOLS OR PHENOLS AND ALPHA-UNSATURATED ALIPHATIC CARBOXYLIC ACIDS

Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 12, 1948, Serial No. 59,790
9 Claims. (Cl. 260—78.5)

1. A soluble, saturated interpolymer of monomers consisting of (A) a monoenic 2-alkenyl ether having the formula

$$CH_2{=}CR'{-}CH_2{-}O{-}R$$

where R′ is selected from the group consisting of hydrogen, halogen and alkyl and R is selected from the group consisting of alkyl, cycloalkyl, aryl and aralkyl and (B) an ester of an alpha-ethylenic aliphatic carboxylic acid, said ester having the formula

$$R''{-}CH{=}\underset{\displaystyle R'}{\underset{|}{C}}{-}COOR$$

where R is a radical selected from the group consisting of alkyl, cycloalkyl, aryl and aralkyl, R′ is a radical selected from the group consisting of hydrogen, methyl, chlorine, and

$$-CH_2-COOR$$

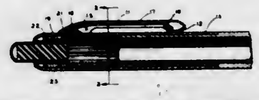
where R is as before; and R″ is a radical selected from the group consisting of hydrogen and —COOR where R is as before, the amount of said ether employed ranging from 0.25 to 6 mols per mol of said ester.

2,579,080

PENCIL CLIP

Clifford N. Johnson, St. Louis, Mo., assignor to Ritepoint Co., St. Louis, Mo., a corporation of Missouri

Application August 8, 1947, Serial No. 767,566
2 Claims. (Cl. 24—11)



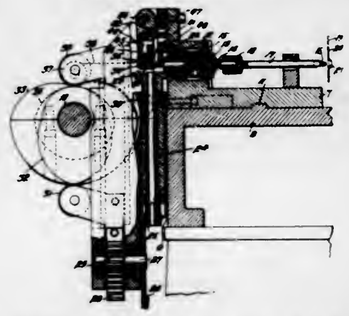
1. In combination with a pencil cap or the like, a retaining clip comprising, an elongated body formed with a clamping tip at one end thereof and with a pair of spaced side walls adjacent the other end thereof, said cap having a hollow portion and a lug projecting outward from its outer surface between said side walls of said cap, an elongated clamping spring extending along said clip body and attached thereto, said spring having a bent end portion extending through the wall of said cap into said hollow portion, and a retainer in said hollow portion having a recess in which said end portion of said spring is anchored at a point spaced longitudinally of said cap from said lug.

2,579,081

TAPPING UNIT HAVING RAPID TRAVERSE AND CONTROLLED RATE OF FEED

Frederick Koch, Sparta, N. J., assignor to C. Todd, Rutherford, N. J., as trustee

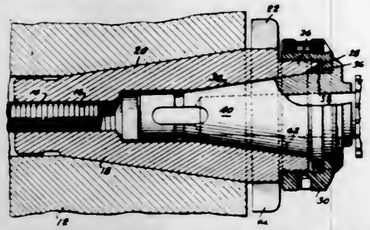
Application November 13, 1950, Serial No. 195,364
5 Claims. (Cl. 10—139)



1. A tapping unit for a machine having a substantially horizontal bed and a cam shaft at the side of the bed and comprising an angular base having a horizontal top portion to seat on the bed and a dependent upright portion to engage over the edge of the bed at the inner side of the cam shaft, a tap spindle slidably journaled on the horizontal portion of the base, a slide

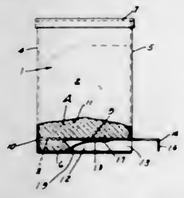
vertically operable in the upright portion of the base, gearing from said slide to said tap spindle for imparting reverse rotational movements thereto, a rock lever for imparting longitudinal shifting movements to the tap spindle and cam means on the cam shaft for imparting reciprocatory vertical movements to said slide and oscillatory movements to said rock lever, said spindle having a lead screw extension and a nut block engaged therewith and connected with said lever and whereby said lever actuated by said cam means will impart longitudinal shifting movements to said tap spindle independently of the longitudinal motion imparted thereto by the lead screw and nut.

2,579,082
TOOLHOLDER
Robert Kramer, Carpentersville, Ill.
Application February 9, 1950, Serial No. 143,182
4 Claims. (Cl. 279—103)



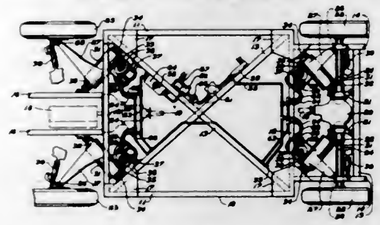
2. The combination for the tapered spindle of a milling machine including a combined chuck and arbor having and axial bore to receive the draw-in rod of the milling machine and a tapered shank complementary to the bore of said milling machine spindle, a lateral flange at the forward end of the same, a reduced screw-threaded portion extending forwardly therefrom, a pair of screw-threaded lugs extending forwardly therefrom, a pair of screw-threaded lugs extending forward from said screw-threaded portion, a tool holder capable of positioning in said combined chuck and arbor, said tool holder having a forward lateral flange, a pair of slots therein adapted to fit over said lugs, and a locking collar for holding the same in operative position, said tool holder removable upon a partial rotation of said locking collar.

2,579,083
DISPENSING DEVICE
Lloyd M. Kramer, Brainerd, Minn.
Application June 11, 1949, Serial No. 98,431
2 Claims. (Cl. 222—437)



1. A dispenser for granular material comprising a generally rectangular container, a sliding partition in the lower portion of said container dividing the same into an upper storage chamber and a lower dispensing chamber, the outer end of said partition extending laterally-outwardly through one wall of said container and the inner end of said partition in cooperation with the opposite wall of said container providing a communicating aperture between said storage and dispensing chambers upon outward sliding movements of said partition, said container providing a discharge opening below the outwardly-projected end of said partition, the extreme outer end of said partition being downturned to provide a closure for said discharge opening when said partition is moved to close the aperture between the storage and dispensing chambers, and a sloping wall scoop element carried by the partition and disposed in the dispensing chamber adjacent the inner end of the partition to limit the flow of material from the storage chamber.

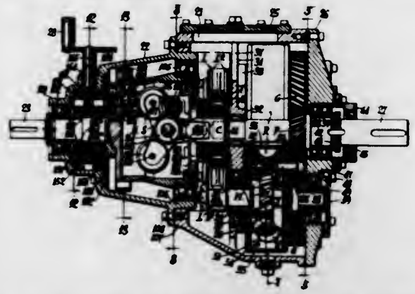
2,579,084
CONSTANT LEVEL VEHICLE SUSPENSION
Alvin S. Krotz and Robert C. Austin, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 682,062
1 Claim. (Cl. 267—21)



An individual wheel suspension for a vehicle having a plurality of spaced-apart wheels and a frame, said suspension comprising a wheel assembly, an inner shaft mounted for rotative adjustment on said frame and an outer sleeve disposed around said shaft for relative turning movement about said shaft, said sleeve having an outwardly extending suporting arm mounted on said wheel assembly for swinging movement of said wheel assembly and said sleeve about said shaft, a body of resilient rubber-like material between said shaft and said sleeve for cushioning relative movement of said sleeve and swinging movement of said wheel assembly about said shaft, a control arm extending outwardly from said sleeve to a position adjacent said frame in the proximity of said wheel assembly, an adjusting arm extending outwardly from said shaft for turning the shaft relative to said frame, fluid pressure actuating means mounted on said frame comprising a cylinder, a piston in reciprocable engagement with said cylinder, said piston being in direct contact with said adjusting arm for turning said shaft relative to said frame in response to changes in fluid content of said cylinder, a source of pressure fluid for supplying fluid to said cylinder, means for regulating the flow of pressure-fluid from said source to said cylinder comprising a valve having a housing with a chamber connected by apertures to said cylinder and to said source of pressure fluid, a valve piston in reciprocable engagement with said chamber for opening and closing said apertures and said valve piston having a restricted aperture disposed axially thereof for restricting the rate of movement of said valve piston and delaying controlling movement of said valve to prevent response thereof to springing movement of said wheel assembly within the interval of delay and resilient connecting means extending from said valve to said control arm and to said

frame in the proximity of said wheel asembly for transmitting indications of relative movement of the portion of said frame in the proximity of said wheel assembly to said valve piston for maintaining a substantially constant height of the vehicle frame in the proximity of said wheel assembly at different conditions of loading.

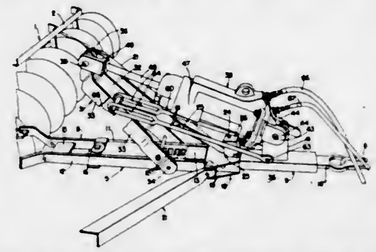
2,579,085
VARIABLE-SPEED POWER TRANSMISSION
Porter S. Morgan, Westport, Conn., assignor to The Connecticut Variable Gear Corporation, New Haven, Conn., a corporation of Connecticut
Application January 28, 1949, Serial No. 73,363
6 Claims. (Cl. 74—679)



6. In a power transmission including a casing and an input shaft rotatably mounted in the casing, a driving bell rotatably mounted in the casing and connected to the input shaft for rotation in unison therewith, a crank member carried by the driving bell and adapted to be shifted with respect thereto, a control shaft rotatably mounted in the driving bell and adapted to be bodily rotated in unison therewith, gearing interconnecting the control shaft and crank member to shift the crank member when the control shaft is rotated on its own axis, a gear box formed in the casing, ring gears mounted in the box around the input shaft, planet pinions in mesh with the ring gears and connected to each other, a spur gear keyed to the input shaft and in mesh with one of said planet pinions, a second spur gear rotatably mounted on said shaft and said driving bell, said second gear having a driving engagement with the control shaft and with the other of said planet pinions, whereby rotation of the input shaft and the gear keyed thereto enforces synchronous rotation of said second gear with the input and control shafts, and means connected to said ring gears to impart relative motion therebetween, thereby to impart asynchronous motion to said second gear and rotation of the control shaft on its own axis.

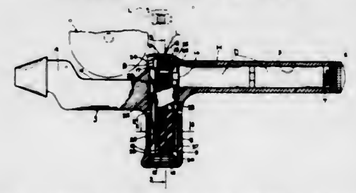
2,579,086
HYDRAULIC ANGLING MECHANISM FOR DISK HARROW GANGS
William P. Oehler, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 28, 1945, Serial No. 590,831
12 Claims. (Cl. 55—81)

1. In a disk harrow, a pair of relatively movable parts connected, respectively, with the disk gang of the harrow for changing the angle of the latter by relative movement between said parts, a piston and cylinder unit connected with one of said parts, a lever pivotally connected at one end with the other of said parts, means connecting the other end of said piston and cylinder unit with the other end of said lever, and means providing a fulcrum against which said lever reacts when said piston and cylinder unit is operated for shifting one of said parts relative



to the other, said fulcrum means including an anchoring link connecting an intermediate portion of said lever with said one part, whereby extension and retraction of said piston and cylinder unit serves to shift one of said parts relative to the other.

2,579,087
LIGHTED FISHING ROD
Burnette L. Organ, Racine, Wis.
Application November 6, 1947, Serial No. 784,463
11 Claims. (Cl. 240—6.4)



2. In a casting rod a handle having a grip portion and a reel seat spaced from the grip portion, a lamp support disposed between said grip and said reel seat and movable from an active to a retracted position, a lamp on said support, an electrical energy source associated with said handle and having a terminal, a contact on said lamp support in position to receive energy when said lamp support is in active position, said lamp support comprising an open-sided tube of conductive material, said handle providing a bore in which said tube is slidable, the major portion of said tube being filled with insulation consisting of a plurality of layers having a conductive element therebetween, said insulation contacting said terminal in the retracted position of said lamp support to prevent flow of electrical energy therefrom.

2,579,088
HEAT SEALING TOOL
Thomas E. Piazze and Bert W. Martin, Mount Vernon, Ohio, assignors to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application October 25, 1949, Serial No. 123,404
3 Claims. (Cl. 154—42)

1. A heat sealing tool comprising a pair of jaw members connected for movement toward and fro meach other, one of said jaw members being provided with a relatively narrow axial slot of substantial depth, a radiant heating element positioned within said slot and a folding blade on

the other of said jaw members in aligned relation with said slot, said blade being arranged to extend into said slot upon movement of the jaw



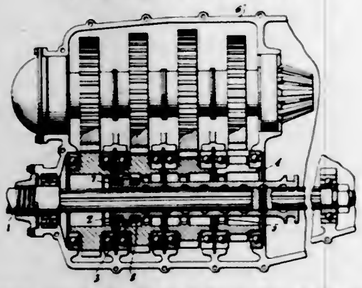
members toward each other to a position spaced from said heating element and from the side walls defining said slot.

2,579,089
HEAD COVERING
Sybil Price, New York, N. Y.
Application January 3, 1950, Serial No. 136,537
4 Claims. (Cl. 132—49)



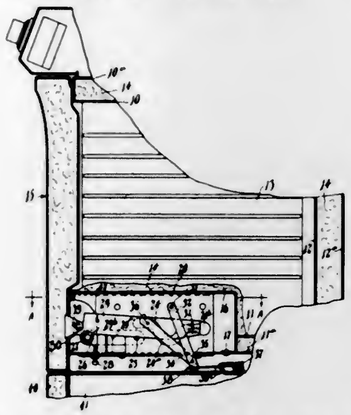
1. A head covering of the class described comprising a cap-like body member of net fabric having a crown portion and a bottom opening, and a plurality of pairs of elastic strands interwoven in the net fabric of the body member with the strands of each pair adjacent each other and the pairs of strands disposed in spaced relation relatively to each other between the crown portion and bottom opening, said strands extending circumferentially of the cap-like body member for conforming the body member to the shape of the head.

2,579,090
SYNCHRONIZING MECHANISM
Karl Rabe, Gmund Karnten, Austria, assignor to Porsche Konstruktionen G. m. b. H., Gmund Karnten, Austria, a company of Austria
Application May 1, 1948, Serial No. 24,564
In Austria May 2, 1947
6 Claims. (Cl. 192—53)



1. The combination in a synchronizing mechanism for relatively longitudinally movable clutch members having teeth adapted to mesh in coupling engagement, of a yieldable synchronizing clutch surface on one member adapted to engage the clutch teeth on said other member in advance of said coupling operation, the clutch surface having a top face, a flank portion extending downwardly from said face, a frictional inclined synchronizing surface extending forwardly and rearwardly respectively of said top face, and a steeply inclined centering surface extending from each of said synchronizing surfaces for frictional precoupling engagement by said clutch surface.

2,579,091
HINGE MECHANISM FOR RANGE DOORS
Walter Rinaldo, Toronto, Ontario, Canada, assignor to Moffats Limited, Weston, Ontario, Canada, a corporation
Application April 20, 1948, Serial No. 22,043
14 Claims. (Cl. 126—194)

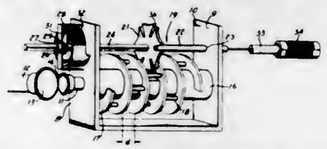


1. A hinge mechanism for a door, said mechanism comprising a frame member, a hinge arm translatably mounted on the frame member, a bearing on the outer end of the hinge arm for pivotally mounting the door thereon, a fulcrum on the frame member, an edge of the hinge arm engaging the said fulcrum, and biasing means connected to the hinge arm and adapted to pull the hinge arm inwardly and downwardly, the fulcrum engaging edge of the hinge arm being provided with a recess at a point such that the fulcrum is adapted to engage in the said recess, the downward pull of the aforesaid biasing means on the hinge arm being adapted to draw the recess in registration with the fulcrum to hold the door in closed position.

2,579,092
INTERMITTENT TRANSLATIONAL DEVICE
Chester A. Rockwell, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 17, 1950, Serial No. 150,279
6 Claims. (Cl. 74—24)

1. Apparatus for transferring rotational and longitudinal motion to a driven shaft comprising, a driving shaft connected to a driving means, a helix mounted on said driving shaft, a plurality of longitudinal pins extending across adjacent turns of said helix, a driven shaft rotatably supported adjacent said driving shaft, and a star-

wheel carried on said driven shaft and received



between said helix and engageable with said longitudinal pins.

2,579,093
TRAP FOR RODENTS
Siegmund Roesner, Roselle, Ill.
Application September 13, 1947, Serial No. 773,792
6 Claims. (Cl. 43—69)



1. In a trap for rodents and the like, including an approach runway and a vat, a tripping mechanism comprising a platform rotatably mounted on an axle, means connected to said axle and adapted to rest upon said vat and to be connected to said approach runway, adjustable weight balancing means mounted at one end of said platform, and trap resetting means including a spring and a stop pin cooperatively associated therewith and affixed on said axle to oppose said spring during a downward movement of said platform and limiting the rotation of said platform, said spring normally urging said platform into a substantially horizontal position.

2,579,094
STACKING APPARATUS
William Holdsworth Rooksby, Trafford Park, Manchester, England, assignor to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England, a British company
Application June 1, 1946, Serial No. 673,792
In Great Britain June 8, 1945
15 Claims. (Cl. 271—84)

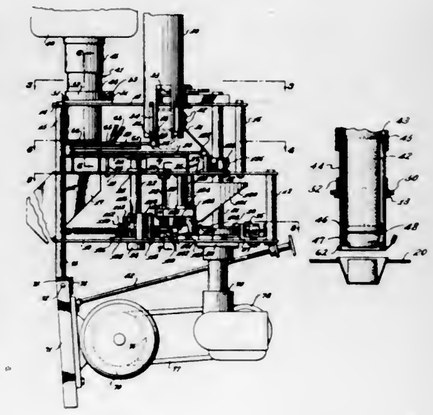


1. An apparatus for forming a stack of asbestos cement sheets comprising a suction device carried by and mounted to swing in a frame, means pivotally supporting said frame to rock about a fixed horizontal axis, mechanism connected to the frame to rock same about said axis thereby to move the suction device from one side of the axis to the other, means constraining the suction device to travel in a vertical path once it has reached a predetermined point in its descending movement to put a sheet on the stack, whereby the stack is built up vertically, and a lost motion connection between said frame and suction device whereby said frame can continue to move downwardly after descent of said suction device has been halted due to said device coming to rest on the top of the stack.

2,579,095
PHOTOPOLYMERIZATION PROCESS AND PHOTOPOLYMERIZABLE COMPOSITIONS OF MATTER
Carrol C. Sachs, North Hollywood, and John Bond, West Los Angeles, Calif., assignors to Alexander H. Kerr & Co., Los Angeles, Calif., a corporation of Nevada
No Drawing. Application November 10, 1947, Serial No. 785,182
21 Claims. (Cl. 204—158)

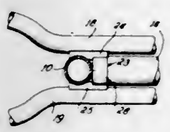
1. A process for photopolymerization of a photopolymerizable ethylenically unsaturated resinophoric compound which comprises adding to such resinophoric compound from about .01% to about 5% of a compound containing the SO_2X radical in which radical X is a halogen, the remaining valency of the S being satisfied by a radical chosen from the group consisting of aryl, alkyl and halogen radicals and irradiating said mixture with light.

2,579,096
MACHINE FOR PACKAGING ICE CREAM AND SIMILAR FROZEN FOOD PRODUCTS
Herman R. Schulz, Altadena, Calif., assignor to Redi Products Corporation, Pasadena, Calif., a corporation of California
Application January 24, 1949, Serial No. 72,445
3 Claims. (Cl. 226—19)



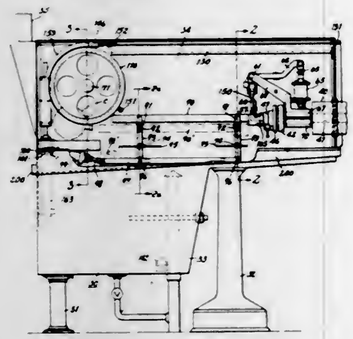
1. In a machine for packaging ice cream and similar food products, the combination with a freezer unit, of a dispensing station comprising a supply tube having a reduced diameter restricting cylinder connected therewith through which the product is extruded as a continuous column, a compacting baffle disposed transversely of the exit end of the cylinder for longitudinally splitting and compacting the column, means disposed below said baffle for reuniting the column and controlling the extruded shape, a magazine for holding a supply of packaging receptacles spaced laterally from said dispensing station, a carrier for moving packaging receptacles from the magazine one at a time to a position immediately below the column of the product at the dispensing station, and severing means including a transversely movable cutter mounted below said means for severing individual portions from the column for deposit in a packaging receptacle therebelow, and means for effecting operation of said severing means and carrier.

2,579,097
APPARATUS FOR BRAZING
Frank W. Schwinn, Chicago, Ill.
Application June 11, 1948, Serial No. 32,500
2 Claims. (Cl. 287—54)



1. In an elongated and strengthened brazed joint connecting the side surfaces of a plurality of non-complementarily shaped members including an intermediate member and spaced parallel and longitudinally extending side members on opposite sides of the intermediate member, the combination comprising a coined steel clip having side portions conforming to and embracing opposite side surfaces of the intermediate member, said side portions of the clip also having outer surfaces conforming to and engaging said spaced parallel and longitudinally extending side members, and brazing material securing each of said members to the conforming portions of the clip.

2,579,098
COOLING APPARATUS
Robert O. Scofield, Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 15, 1945, Serial No. 572,885
6 Claims. (Cl. 18—6)



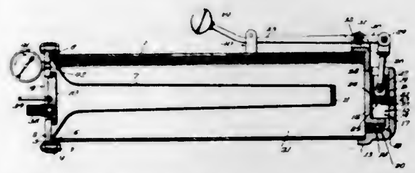
6. Apparatus for cooling the insulating coating formed on a conductor wire comprising, a vulcanizing chamber, a cooling chamber associated with the vulcanizing chamber, a sealing member at the outlet of the vulcanizing chamber and positioned within the confines of the cooling chamber; guide means for the coated wire located within the cooling chamber for maintaining the coated wire horizontal as it moves from the sealing member; a rotatable member within the cooling chamber to direct the coated wire for movement in a different direction from the direction of movement from the sealing member to an exit provided by the cooling chamber; an eccentric support for the rotatable member; means associated with the support for vertically changing the axis of the rotatable member in order to compensate for different sizes of coated wire whereby the wire remains horizontal to its first contact point with the rotatable member.

2,579,099
WINDOW CONSTRUCTION
Walter J. Sherry, Orange, Calif.
Application August 29, 1947, Serial No. 771,309
4 Claims. (Cl. 98—88)



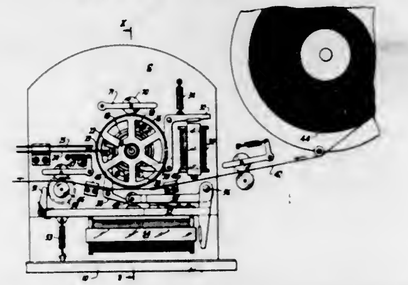
1. In a building structure: a wall having a rectangular opening therein; a rectangular window casing having vertical side sections provided with longitudinal guideways, a lower horizontal section, an upper horizontal section having an elongated aperture, a sill spaced above said lower section and including an inner sill element and an outer sill element, said elements defining between them an elongated aperture, said casing being adapted to be installed in the opening of said wall, the space between the sill and the upper horizontal section being of a length less than the length of said opening so as to provide a ventilator passage in said wall disposed beneath said sill; and a window sash slidable in said guideways vertically within said casing, said sash being longer than the vertical dimension of the interior of said casing between the sill and the upper horizontal section so that its ends project through said apertures, said sash being slidable downwardly to extend across said ventilator passage to close the same and slidable upwardly to open said passage to permit flow of air therethrough, said sash completely covering the interior of said casing between the sill and the upper horizontal section at all times.

2,579,100
FIRE EXTINGUISHER
Lawrence H. Smith, Chicago, Ill., assignor to Victor M. Langsett, Chicago, Ill., as trustee
Application January 23, 1946, Serial No. 642,843
2 Claims. (Cl. 169—31)



1. In a fire extinguisher embodying a casing forming a fluid containing chamber from which a first fluid is discharged under pressure by means of a second fluid forced into the casing in out-of-commingling relation with the first fluid therein, the combination comprising means carried by the casing and forming a cylinder having communication with the fluid containing chamber, a piston reciprocable in the cylinder, means to reciprocate the piston, fluid inlet means leading to the cylinder, said piston having a valve receiving chamber therein provided with openings in opposite walls thereof to permit fluid to pass through the piston, one of the walls of the last said chamber being removable, and a floating disc valve in the valve receiving chamber closing those of said openings in the other wall of the last said chamber which when the piston moves in a predetermined direction forces said first fluid from the cylinder into the fluid containing chamber.

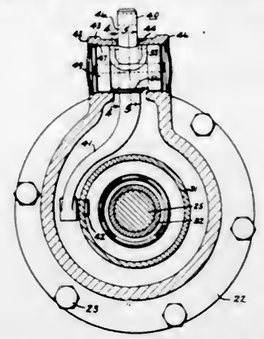
2,579,101
TELEGRAPHIC PRINTING SYSTEM
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 11, 1947, Serial No. 779,320
2 Claims. (Cl. 178—35)



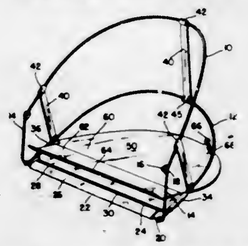
1. A teleprinter including a typewheel having printing characters on its periphery, a record tape, resilient means for urging said typewheel to a predetermined home position, a ratchet wheel carried with said typewheel, signal input means and a series circuit across said signal input including a signal responsive magnet and a slow-to-release relay, a pawl actuated by said magnet and engaging said ratchet so arranged as to step said typewheel away from its home position in response to signal impulses applied to said input means, a printing bar and electro-magnetic actuating means for said printing bar, a circuit including a back contact of said slow-to-release relay and its armature, a pair of contacts adapted to be closed by movement of said typewheel away from its home position and said electro-magnetic actuating means, said slow-to-release relay closing said circuit in response to cessation of each train of signal impulses whereby said printing bar is actuated, means responsive to actuation of said printing bar for releasing said typewheel for return to its home position and means responsive to the release of said printing bar for feeding said record tape, said last mentioned means including a feed roller for said record tape, a ratchet on said feed roller and a feed pawl adapted to engage said ratchet and operated by said printing bar.

2,579,102
OPERATING LEVER
Herbal A. Thornburg and George D. Conrad, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 22, 1950, Serial No. 186,224
7 Claims. (Cl. 74—519)

1. In combination, a housing provided with an end-opening and having an integral external projection provided with a radial slot and with a cylindrical bore traversing the slot; a pivot shaft having a relatively small axial passage therein and having a diametrical transverse opening intermediate its ends, said shaft having a diameter to fit the bore closely; a shifting lever having one end passing through the diametrical opening of the shaft and the slot of the projection to the exterior of the projection, said one end being insertable through the open end of the housing; and a pin press-fitted in the passages of the shaft and lever whereby all of said parts are held in assembled relation with the other end of the lever within the housing.



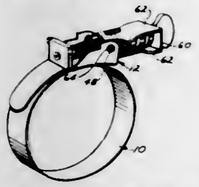
2,579,103
DUMPING TYPE OF GRASS CATCHER FOR LAWN MOWERS
Karl F. Whittaker, Seattle, Wash.
Application July 12, 1950, Serial No. 173,370
4 Claims. (Cl. 56—200)



1. In a grass catcher for lawn mowers of the type having a bottom frame and a dumping bottom plate associated with said bottom frame, the improvement, comprising: a sheet metal floor bar secured at either side to said bottom frame and having its forward edge at the forward end of the grass catcher, said floor bar having a forward upper plane surface, a rear lower plane surface, and an inclined surface connecting said forward and said rear plane surfaces, said upper and lower plane surfaces being substantially parallel; said bottom plate having a main plane surface, a secondary plane surface, and a surface connecting said main and secondary plane surfaces, said secondary plane surface being above, substantially parallel to and forward of said main plane surface, said secondary plane surface overlying said rear lower plane surface when said bottom plate is in closed position, the forward margin of said bottom plate being bent upward so as to overlie said inclined surface of said floor bar when said bottom plate is in closed position,

and the rear edge of said floor bar and an adjacent portion of said bottom plate being hingedly connected together.

2,579,104
CLAMP
Theodore A. Woolsey, Pasadena, and Howard D. Houghton, Los Angeles, Calif., assignors to Marman Products Company, Inc., Inglewood, Calif.
Application June 22, 1945, Serial No. 601,041
4 Claims. (Cl. 24—19)



1. A band clamp comprising a flexible band to circumscribe a member to be clamped; a saddle having means engaging one end of said band and having a pair of ears spaced laterally with relation to the longitudinal axis of the band; a tensioning screw having at one end means engaging the other end of said band; a yoke shaped cage including a web having an aperture in which said screw is journalled near its other end, and having a pair of spaced arms embracing said screw and pivotally connected to said ears at their ends remote from said web; a follower nut threaded on said screw and having a slidable, non-rotatable connection with said arms; and a coil spring interposed between said nut and said web and embraced between said cage arms, for yieldingly transmitting, under compression, from said nut to said web, the pull of said screw when rotated, to constrict said band.

2,579,105
GAME TEACHING APPARATUS
Joseph James Baldine, Hubbard, Ohio
Application January 26, 1951, Serial No. 207,919
1 Claim. (Cl. 35—29)

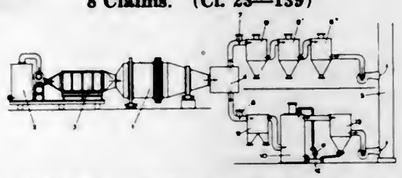


A game piece comprising a cylindrical body having upper and lower ends and provided with an axial bore including a screw-threaded upper portion and an annular shoulder adjacent the lower end thereof, a screw threaded plug in the threaded portion of said bore, a resilient clamp provided on the top of said plug, a pointer positioned diametrically on the upper end of said body and having an intermediate portion thereof frictionally engaged by said clamp, a compression spring positioned in said bore and abutting said plug with its upper end, an inverted cup provided in the lower portion of said spring and having an outturned marginal flange at its lower edge engageable with said shoulder, a disc-shaped magnet provided at the lower end of said body, keeper pins projecting from the lower end of the body and secured in apertures formed in said magnet, said magnet having a central opening in register with said bore, and a chalk mounted in said cup and projecting downwardly through the opening in said magnet.

2,579,106
METHOD OF PREPARING CYCLOOCTATETRAENE
Carl E. Barnes, Pipersville, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 15, 1949, Serial No. 87,824
12 Claims. (Cl. 260—666)

1. In the method of preparing cyclooctatetraene by condensing acetylene at elevated temperature and pressure in the presence of a nickel compound catalyst, in a solvent containing tetrahydrofurane, the improvement which consists in incorporating 0.05 to 1% of an anti-oxidant in the solvent, so as to avoid the presence of tetrahydrofurane peroxide during the reaction.

2,579,107
INDUSTRIAL PROCESS FOR EXTRACTING RHENIUM
Marcel M. Bertolus, Paris, France
Application March 27, 1948, Serial No. 17,476
In France March 3, 1948
8 Claims. (Cl. 23—139)



1. Industrial process for the extraction of rhenium from molybdenite concentrate containing traces of rhenium sulfide comprising, as a first phase, the heating of the concentrate in an oxidizing atmosphere to a temperature above 500° C., maintaining this temperature by combustion of the combined sulfur until substantially all the sulfur has been eliminated as sulfur dioxide, collecting the gases evolved during the first phase of treatment, separating the molybdenite dust contained therein and returning same into the process, then, as a second phase, supplying external heat to maintain the material at a temperature above approximately 550° C. but below the temperature of volatilization of molybdenum oxide, and supplying oxygen whereby the rhenium compounds are oxidized to Re_2O_7 and the latter volatilized, while entrainment of the molybdenum oxide in the evolved gases is precluded by a fusing together of the molybdenum oxide particles, collecting separately the gases evolved during this second phase of the process, and separating the rhenium oxide therefrom.

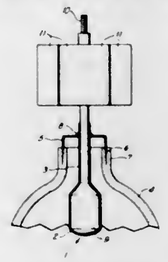
2,579,108
QUARTZ WORKING PROCESS AND ARTICLE
Charles E. Bock, Cleveland, and Robert P. Burrows, Jr., South Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application May 21, 1949, Serial No. 94,706
7 Claims. (Cl. 49—78.1)



4. The method of cutting a length of translucent quartz tube having longitudinally extending capillary ducts within the walls thereof which comprises preliminarily glazing only a comparatively narrow section of the tube by application of heat thereto to close off said ducts by consolidating the tube wall and then severing the tube through said glazed section with a wetted cutter, the said glazed section serving to block travel of the wetting liquid along said ducts.

7. A tube of translucent quartz having longitudinally extending capillary ducts within the walls thereof and having a comparatively narrow transparent glazed section adjacent only each end thereof wherein the tube wall is consolidated to close off the said ducts so as to prevent entrance of moisture into said ducts.

2,579,109
ELECTRODE STRUCTURE FOR ELECTRIC DISCHARGE DEVICES
Leonard J. Davies, Rugby, and Eric J. G. Beeson, Southwell, England, assignors to General Electric Company, a corporation of New York
Application January 10, 1950, Serial No. 137,788
In Great Britain January 25, 1949
2 Claims. (Cl. 313—42)



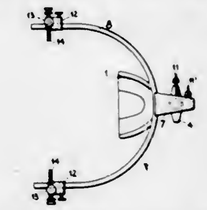
1. In a high intensity electric discharge lamp, the combination of an envelope of vitreous material, and electrode sealed in an end of said envelope and comprising a hollow shell portion of highly refractory metal of the group consisting of tungsten and molybdenum, said shell portion being hermetically sealed to the wall of said vitreous envelope, a core portion within said shell and in intimate thermal contact therewith to assist in removal of heat from said shell, said core portion consisting of metal of the group consisting of copper and silver, and means supplementary to said shell and core for removing heat from said core and dissipating it exteriorly of the lamp.

2,579,110
ORE CONCENTRATOR
Rémi Drelon, Clermont-Ferrand, France, assignor to Societe Anonyme dite: "Societe Lamex," Clermont-Ferrand, France
Application February 3, 1948, Serial No. 5,975
In France February 3, 1947
4 Claims. (Cl. 209—458)



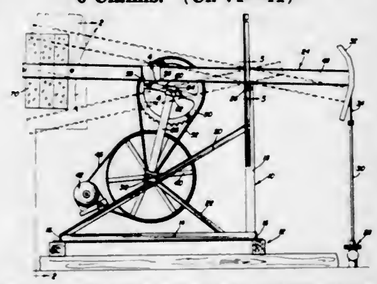
1. In a gravity concentrator having a chute with a discharge end defining a vertical slot and having a base sloping downwardly toward said discharge end and a plurality of parallel partitions disposed at the discharge end of the chute in the path of the effluent from said chute, pivot supporting means for said chute disposed at a point beyond the longitudinal center of said chute in the upstream direction and adapted to permit vertical angular displacement of said chute, suspension means adjacent one end of the chute adapted to exert a variable vertical force to oppose variations in weight of the material in the chute, whereby said material effects controlled vertical displacement of said chute relative to said partitions.

2,579,111
APPARATUS FOR THE MANUFACTURE OF DENTURE MODELS
Max Fleischhacker, Tel Aviv, Israel
Application October 7, 1948, Serial No. 53,235
In Palestine October 27, 1947
3 Claims. (Cl. 32—20)



1. A facebow for use in the manufacture of artificial dentures, comprising a yoke member adapted to be laid into the ear-nose plane of the patient, and an articulated attachment extending below the yoke member in the front part thereof, said attachment comprising a double ball joint and means for temporarily immobilizing the members of the double joint in the desired position of adjustment, and being adapted to detachably hold a maxillary impression tray at a variable angle and a variable distance relative to the plane of said yoke member.

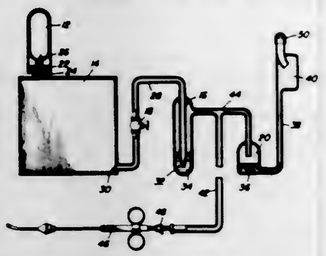
2,579,112
OIL WELL PUMPING MACHINE
George A. Fullerton, Clarendon, Pa.
Application February 6, 1950, Serial No. 142,691
6 Claims. (Cl. 74—41)



1. In an oil well pumping machine, a supporting frame, an elongated beam oscillatably mounted on said supporting frame for movement in a vertical plane, a driving pulley carried by said frame, a driven pulley having an eccentrically disposed shaft fixed thereto and extending therefrom and which shaft is rotatably secured to said beam, flexible means operatively connecting said pulleys, an arm having one end

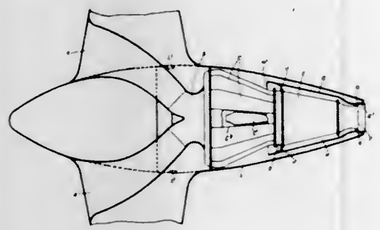
fixed to the shaft and its other end terminating substantially at the axis of the driven pulley, and a pitman having one end pivoted to the frame adjacent said driving pulley and its other end pivoted to said other end of the arm.

2,579,113
INSUFFLATOR
Herman L. Gardner, Houston, Tex.
Application June 18, 1948, Serial No. 33,886
1 Claim. (Cl. 128—2)



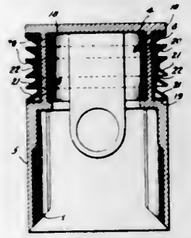
An insufflator comprising a relatively large carbon dioxide supply tank, a carbon dioxide cartridge, means for removably retaining said cartridge on said tank, means carried by said retaining means for piercing said cartridge, a bubble-type flow meter, a valved conduit interconnecting said flow meter with said tank, a second conduit leading from said flow meter, a manometer tube operatively connected to said second conduit, and a branch conduit connected to said second conduit between said flow meter and said manometer tube and adapted to secure a cannula, said manometer tube including an enlarged reservoir having an escape aperture.

2,579,114
COOLING MEANS FOR TAIL PIPES OF JET PROPULSION MOTORS
Frank Bernard Halford, Edgware, and Guy Bristow, Stanmore, England, assignors to The De Havilland Aircraft Company Limited, Hatfield, England, a company of Great Britain
Application June 18, 1946, Serial No. 677,492
In Great Britain May 11, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 11, 1965
2 Claims. (Cl. 60—35.6)



1. Turbo-compressor propulsive apparatus comprising in combination a compressor, a turbine coupled to the compressor, means by which fuel is burnt in the air delivered by the compressor and the resultant gases are led to the turbine and by acting on it drive it and the compressor, a jet propulsion nozzle, a passageway through which the gases from the turbine flow to said nozzle from which these gases issue with propulsive effect, a sleeve surrounding but spaced radially out from said passageway and providing a jacket space containing air which constitutes a lagging for the said passageway, and a drain leading from the lower part of the said jacket space through which will be carried off fuel that may collect within the said jacket sleeve.

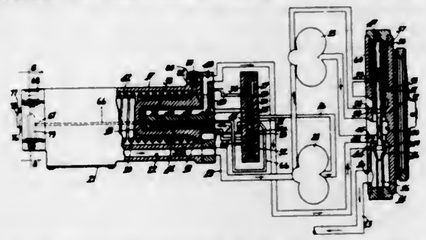
2,579,115
PISTON AND PISTON PACKING
John L. Harrah, Erie, Pa.
Application November 7, 1949, Serial No. 125,941
14 Claims. (Cl. 309—45)



2. In a piston packing, comprising circular laminae and circular back members; said back member being of substantially thin flat one piece construction and whose ends are off-set for the purpose of dovetailing; the outside parallel edges of said back members being formed to extend inwardly at right angles and to extend parallel and adjacent to the inside surfaces of said piston neck; said laminae of substantially thin flat one piece construction whose parallel outside edges are formed to extend upwardly, an equal number of said upwardly extending edges to slant outward and upwardly, the equal remaining edges to slant outward and downwardly; said laminae are securely and firmly laminated onto said back members, thereby forming upwardly and downwardly slanting fins; said laminae and back members constructed of spring steel or other suitable material assuring a slight flexibility in said fins; the upwardly extending fins having a slight flexibility forms the compression fins and the downwardly extending fins having a slight flexibility forms the oil fins; said flexibility of said fins assures a more accurate and uniform control of the blow-by and the compression pressure and also retains the motor oil in the crankcase as they contact and rub against the cylinder walls.

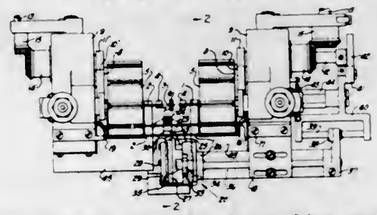
2,579,116
PLURAL PRESSURE HYDRAULIC FEED SYSTEM
Eric J. Hirvonen, Shrewsbury, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts
Application April 14, 1947, Serial No. 741,139
12 Claims. (Cl. 60—51)

7. A hydraulic apparatus comprising a pump, a line therefrom to a hydraulic device to be operated thereby, a valve in the line, plungers in the valve directing the fluid selectively to the hydraulic device or to a reservoir, a resiliently loaded movable accumulator between the valve and the hydraulic device, said plungers being substantially hydraulically balanced by means of fluid pressure, a port controlling the balancing fluid to one plunger, said port being open in partially fluid loaded condition of the accumulator and covered by the accumulator as the latter approaches full loading, so that the balancing pres-



sure to said one plunger is reduced, shifting the plungers to direct the fluid to the reservoir.

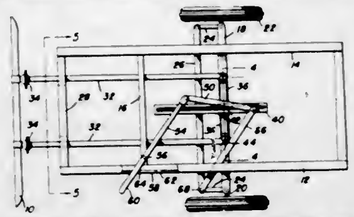
2,579,117
APPARATUS FOR MAKING SECTIONAL WIRES
Merle W. Kremer, Euclid, Ohio, assignor to General Electric Company, a corporation of New York
Application August 27, 1946, Serial No. 693,174
4 Claims. (Cl. 140—112)



1. In welding apparatus for making sectional wires, a pair of rotatable drums on a common axis having a plurality of grooves in the periphery thereof each adapted to support a length of wire, means for positioning and welding in end-to-end relation lengths of wire in aligned grooves in the respective drums and a third wire interposed therebetween to form a three-piece sectional wire, means for indexing the drums correspondingly to advance the grooves supporting the sectional wire to a second position, means located adjacent the outer faces of respective drums at the second position taken by the aforementioned grooves for repositioning the sectional wire longitudinally within said grooves to cause said wire to be definitely positioned, shearing means located at the second position and arranged to cut the sectional wire at a point intermediate the ends of said third wire while held in said drums, and means for operating said several means in proper time relation.

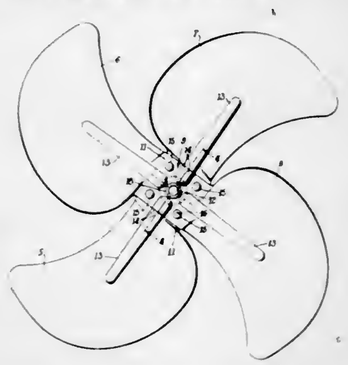
2,579,118
TWO-WHEEL TRAILER AUTOMATIC GUIDE
Charles W. Land, Littleton, Colo.
Application February 5, 1948, Serial No. 6,513
4 Claims. (Cl. 280—33.55)

1. Steering mechanism for trailers drawn by a towing vehicle and having a chassis, ground contacting wheels and a tie rod and steering arms for said wheels, said mechanism comprising a pair of inflexible links, opposed arms pivoted on said chassis and having the ends thereof pivoted to corresponding ends of said pair of inflexible links, the other ends of said links being pivoted in transversely spaced relation on a towing vehicle, a channel member carried by said opposed arms, a block mounted on said channel member for free sliding movement longitudinally of the channel member, an inflexible link terminally pivoted to one of said steering arms and to said channel member, a lever pivoted at a point intermediate its ends on said chassis and operatively connected with said channel member, said lever being positionable selectively in two positions for over-center adjustment of the cross arm so that turning of the towing vehicle rela-



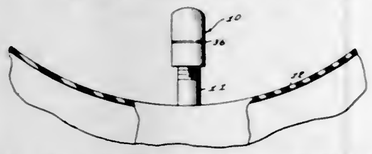
tive to the trailer will cause similarly selective shifting of the steering arms in two corresponding directions, one end of said lever extending to a side of the trailer and selectively securable to the chassis in two positions, said pair of inflexible links having supporting means on said chassis intermediate the lengths of the links to stabilize the trailer against rocking and weaving movement relative to said towing vehicle.

2,579,119
AIR IMPELLER
Matthew C. McDerment, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 2, 1950, Serial No. 147,193
2 Claims. (Cl. 170—173)



1. An air impeller comprising four blades each having an outer air-impelling portion and an inner rectangular terminal ear portion being formed with a substantially straight marginal edge, a rib formed on and longitudinally of each blade and extending from a location adjacent said straight marginal edge of said ear to a location intermediate the inner and outer end portions of the blade, a curved flange shaped as one-half of a rib section formed on the said marginal edge of each blade and disposed at right angles to said longitudinal rib, said blades being abutted in pairs at the said marginal edges of their terminal ears and having the two pairs of blades stacked together with the abutting ear flanges forming a complete rib which nests with a corresponding longitudinal rib, and means securing said blades rigidly together in such stacked relation.

2,579,120
VALVE CAP GAUGE
Raymond L. Mercer, Morenci, Mich.
Application April 12, 1949, Serial No. 86,934
3 Claims. (Cl. 116—34)



1. An air-pressure indicating device for attachment to the valve stem of a tire comprising a transparent cylindrical body having a longitudinal bore opening at the lower end thereof, the lower open end being threaded internally for attachment to said valve stem, an internal shoulder formed at the lower end of said bore abutting the upper end of said valve stem, an annular gasket seated on said shoulder and extending inwardly thereof, an annular member engaged between said gasket and said shoulder, a radial extension on said annular member having a depending end engageable with the valve core in the stem for depressing the valve and holding the valve open, a piston slidable in said bore and normally seated on the inward extension of said gasket, a spring in said body urging said piston downwardly to said seated position against the air pressure in said tire acting on the lower face of said piston upwardly, an index on the exterior of said body registrable with said piston in the raised position for indicating that the air pressure in the tire is equal to the spring tension, and an anchoring screw for said spring for selectively varying the spring tension.

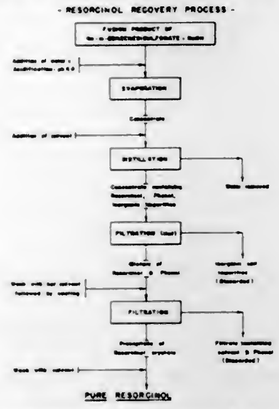
2,579,121
BEAM COMPASS
Samuel Albert Nauheim, Flushing, N. Y.
Application October 22, 1947, Serial No. 781,397
4 Claims. (Cl. 33—27)



1. A drafting instrument comprising three identical bars, each having a longitudinal channel therein slotted nearly throughout the entire length of the bar, means extending through the slots of adjacent bars for pivotally and adjustably connecting said three bars together in end to end lapped relation with one of said bars intervening between the other two bars, marking and pivot point holders mounted on said other two bars respectively in said channels, at least one of said holders being slidably mounted thereon, and means rigidly to retain said holders in position on said bars.

2,579,122
RESORCINOL RECOVERY PROCESS
Phillip W. Oppenheimer, Yonkers, N. Y., and William R. Cake, Rutherford, N. J., assignors to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware
Application April 13, 1949, Serial No. 87,344
5 Claims. (Cl. 260—621)

1. A process which comprises treating with a solvent selected from the group consisting of chlorobenzene and toluene at an elevated temperature below the boiling point of said solvent, a reaction mixture obtained from the formation of resorcinol containing resorcinol and phenol, to which an acid has been added and the water

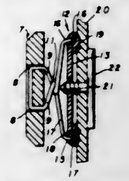


has been removed by distilling off an azeotrope, the said solvent being more effective as a solvent of phenol than of resorcinol, and then separating the resorcinol from the phenol and from said solvent simultaneously by cooling.

2,579,123
REACTIVATION OF SILICA-ALUMINA CATALYSTS BY SILICA ADDITION
William A. Pardee, Fox Chapel, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 22, 1948, Serial No. 50,660
18 Claims. (Cl. 252—412)

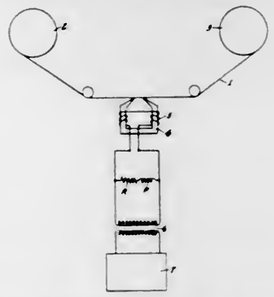
1. The method of reactivating a permanently deactivated silica-alumina cracking catalyst which consists in impregnating the surface of said catalyst with a fluid compound yielding silica upon decomposition, and decomposing said impregnated compound.

2,579,124
DETACHABLE BUTTON OR ORNAMENT
Vivian A. Patterson, Shreveport, La.
Application April 2, 1947, Serial No. 738,817
2 Claims. (Cl. 24—105)



1. In a structural assemblage of the class shown and described, in combination, a piece of fabric, an apertured button, a washer-like member interposed between said button and fabric and provided at its center with a screw threaded hole constituting a nut, said washer-like member being provided with diametrically opposite auxiliary apertures, the latter being eccentric in respect to said screw-threaded hole and being further provided on its marginal edge portions with diametrically opposite lugs registrable with said auxiliary apertures, a length of wire bent between its ends and having its end portions passing through the apertures in said button and then through the apertures in said washer-like member, said lugs being bent inwardly over the body portion of the washer-like member and the terminal portions of the wire-ends being wrapped around and secured to said lugs, and a screw-threaded stud having a head at one end, the head being in contact with one side of the fabric, said washer-like member being in contact with the other side of the fabric, said stud passing through said fabric and being threaded into said nut.

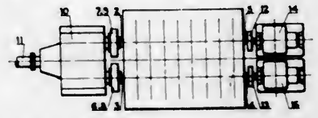
2,579,125
SYSTEM FOR THE REPRODUCTION OF MAGNETIC RECORDS
Jules Henri Perreau, Paris, France
Application December 21, 1948, Serial No. 66,506
In France December 11, 1947
3 Claims. (Cl. 179—100.2)



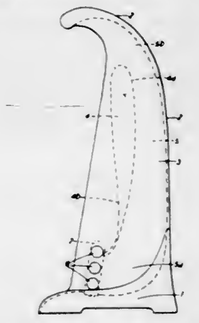
2. A device for translating magnetic sound records made on metallic films, comprising, in combination, a translator comprising a magnetic core having an air gap, and provided with a winding, means for passing the metallic film in the air gap, an amplifier feeding a receiver, means for connecting the terminals of the translator winding with said amplifier and a correcting circuit connected between the terminals of the said translator, said correcting circuit comprising impedance means, and said connecting means comprising a transformer having a primary winding which is connected with the translator and presents an impedance greater than that of the correcting circuit.

2,579,126
MULTIPLE POWER PLANT, INCLUDING AN ELECTRIC GENERATOR
Gustav Pielstick, Saint-Germain-en-Laye, France
Application December 29, 1949, Serial No. 135,562
In France December 30, 1948
5 Claims. (Cl. 290—4)

1. In a power plant principally adapted for use for the propulsion of ships and like purposes, the provision of at least two independent piston-and-cylinder units, of a crankshaft related to each one of said units, of a main power-shaft, of common transmission means inserted between said crankshaft and power shaft, at least one electric generator driven by one of said units, said generator being located in alignment with the crankshaft on the end of said unit opposite the end corresponding to said transmission means, and independent disengageable coupling means on both ends of said unit connecting it on the one hand with the generator and on the other hand with said common transmission means.



2,579,127
HEATER
Richard Samuel Prendergast, Morden, Charles Scott Prendergast, Ashford Common, and Edward Thomas Winters, Chiswick, London, England
Application December 30, 1946, Serial No. 719,282
In Great Britain January 7, 1946
10 Claims. (Cl. 219—34)

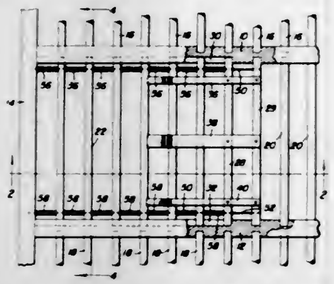


1. In a convector type heater comprising a casing having a duct extending in a substantially vertical column with ingress and egress openings for the passage of a stream of gaseous medium to be heated, a reflector extending across the front of said duct, a heater element comprising a screen forming a substantially rectangular enclosure having a multiplicity of openings of minute cross section therein for the passage of said stream of gaseous medium, said screen effecting the subdivision of said stream through two sides thereof in two directions substantially normal to one another into separate streamlets of correspondingly minute cross section, said heater element being located adjacent the ingress opening of said duct at the base of said vertical column for directing the streamlets at one side thereof against the surface of said reflector and from another side thereof through said vertical column, and means within said heater element for heating said element by radiation.

2,579,128
POULTRY CRATE CLOSURE
Theodore W. Roberg, Storrs, Conn.
Application September 6, 1949, Serial No. 114,095
2 Claims. (Cl. 160—172)

1. A closure comprising a panel including a pair of spaced, parallel bars defining two walls of an access opening and having opposed, longitudinal grooves therein, guide rods traversing the opening adjacent the bars and parallel therewith, rungs slidable in opposite directions on the guide rods and having their end portions slidably engaged in the grooves for mounting said rungs on the bars, said rungs constituting a

closure for the opening, and coil springs on the guide rods between the rungs and engaged there-



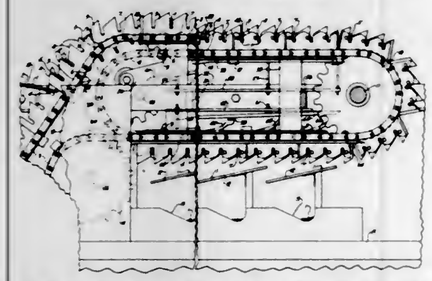
with for yieldingly resisting sliding movement of said rungs in opposite directions.

2,579,129

APPARATUS FOR GAUGING AND SORTING LENGTHS OF TUBING OR ROD

Curtis D. Spicer, Warren, Pa., and Adrien F. Casler, East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York

Application April 22, 1947, Serial No. 743,068
5 Claims. (Cl. 209—89)



5. In a device of the class described for gauging and sorting rods or tubes, a conveyor chain carrying gauging carriages each comprising a plurality of gauge means having normally spaced and relatively movable gauging members corresponding ones of which are interconnected to move in unison, means for continuously and uniformly separating said gauging members during movement of said carriage to release the tubes or rods at predetermined locations in their path of travel according to their size, successive ones of said pairs of gauging members being normally spaced apart by uniformly decreased amounts correlated to the rate of separation thereof during the gauging operation so as to release tubes of the same size at the same point in their path of travel.

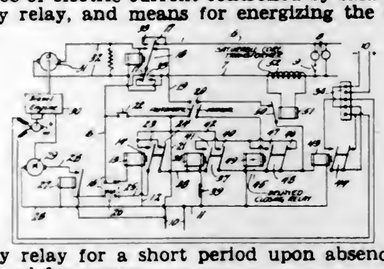
2,579,130

AUTOMATIC STARTING AND STOPPING OF DIESEL ENGINES

Roland E. S. Swam, Hanover, Pa., assignor to Richard H. Sheppard, Hanover, Pa.

Application September 14, 1945, Serial No. 616,289
24 Claims. (Cl. 290—30)

1. In combination a Diesel engine, a starting motor for the engine, a throttle control for the engine, means automatically controlled in response to a demand for power for energizing the motor and for moving the throttle control to open position, said means including a time delay relay and a throttle opening and closing relay, a source of electric current controlled by said time delay relay, and means for energizing the time



delay relay for a short period upon absence of demand for power.

2,579,131

DISPENSING CONTAINER FOR COILED WIRE

George C. Tinsley, Glen Ellyn, Ill., assignor to Precision Steel Warehouse, Inc., Chicago, Ill., a corporation of Illinois

Application December 10, 1948, Serial No. 64,588
2 Claims. (Cl. 206—52)



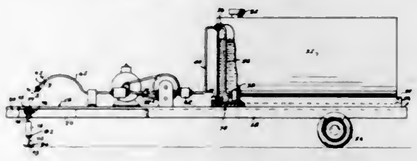
1. A package comprising a container having substantially parallel flat walls and connecting walls therefor, a coil of wire housed in said container, one of said first-mentioned walls being weakened in the path of a circle thereby to define a portion removable to provide a central dispensing opening, said one wall having a plurality of generally radially outwardly extending notches leading from said circle, said wire being dispensible through said central opening, and the end thereof being selectively retained in said notches.

2,579,132

SPRAYING APPARATUS

James A. Vaughan, Marshalltown, Iowa

Application November 12, 1948, Serial No. 59,576
2 Claims. (Cl. 299—45)



1. In a spraying device, a wheeled support, a tank adapted to contain a spray liquid and arranged upon and fixedly supported on said support, a first upstanding pipe positioned within said tank adjacent to and spaced from one end thereof and having the upper end projecting through and supported in said one end of said tank, the lower end of said pipe being spaced from the bottom of said tank, a vertically disposed strainer fixedly positioned within said tank adjacent said one end thereof and connected to the lower end of said first pipe, a second upstanding pipe positioned exteriorly of said tank adjacent to and spaced from said one end of said tank and having the upper end connected to the projecting upper end of said first pipe, the lower end of said second pipe being spaced above said support, a second vertically disposed strainer positioned adjacent the lower end of said second pipe and connected to the latter, a pump on said support and having its suction end connected to said second strainer, and a sprayer operatively connected to the discharge end of said pump.

2,579,133

REACTIVATING A SILICA-ALUMINA CATALYST BY IMPREGNATION WITH BORIA

Benjamin R. Warner, Chicago, Ill., and William A. Pardee, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application December 2, 1948, Serial No. 63,206
12 Claims. (Cl. 252—413)

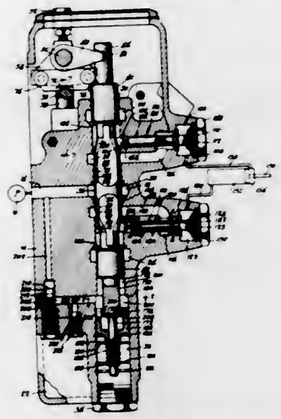
1. The method of reactivating a calcined permanently deactivated silica-alumina cracking catayist consisting essentially of silica and alumina and comprising a major proportion of silica and a minor proportion of alumina which has been permanently deactivated in use, which comprises impregnating the surface of said catalyst with a fluid compound yielding boria upon thermal decomposition in an amount sufficient to produce a reactivated catalyst, and thermally decomposing said impregnant compound into boria.

2,579,134

VALVE CONTROL MEANS FOR FLUID PRESSURE SYSTEMS

Wayne H. Worthington, Waterloo, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa

Application March 31, 1948, Serial No. 18,198
5 Claims. (Cl. 137—144)



1. In a fluid pressure system having control valve mechanism shiftable from an intermediate neutral position to either of two actuating positions, said system further including a relief-valve-controlled passage for by-passing excess fluid pressure, the improvement residing in means for automatically returning the control valve mechanism to neutral from either of its actuating positions in response to excess fluid pressure, comprising: housing means including a chamber provided with a first cylinder and a second larger cylinder and fluid conducting means therebetween; a piston reciprocable in the first cylinder in either direction away from an intermediate normal position; means connecting the piston to the control valve mechanism for reciprocation of the piston in either direction away from its normal position in accordance with shifting of said control valve mechanism; a piston in the second cylinder reciprocable therein between a normal position and a displaced position; means operably interconnecting the pistons including a one-way connecting device so constructed and arranged that movement of the first piston in one direction away from its normal position displaces the second piston and return of the second piston to its normal position returns the first piston to its normal position, and so that movement of the first piston in the opposite direction away from its normal position is relative to the second piston; and means including a fluid conduit connected to the aforesaid by-pass passage and to the chamber for supplying fluid pressure to the chamber between the pistons effective to move the pistons conjointly in one direction and relatively in the opposite direction, depending upon the positions of the pistons as determined by positioning of the control valve mechanism.

2,579,135

ELECTRICAL SWITCH

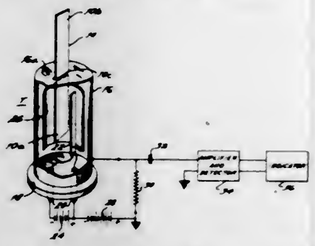
John A. Alexander, Pacific Palisades, Calif.

Application July 31, 1948, Serial No. 41,739
14 Claims. (Cl. 200—153)



1. In an electrical switch: a body; a pair of contact elements carried by said body, at least one of which is movable relative to the other alternatively into two positions, one of which is a position of contact of the two elements with each other and one of which is an open position; biasing means holding the movable contact element in a first one of said two positions; a spring arm carried by the body, said arm carrying an abutment catch engageable with the movable contact element when in a second one of said two positions to releasably hold it in said second position against the action of said biasing means, the spring arm being permanently spring biased to be urged toward the position in which said catch is held in engagement with said movable contact element; a resiliently automatically retractable movable member mounted on the body, and disposed to be moved from its retracted position a first time in one direction to move the said movable contact element into said second position in which said movable contact element is engaged and held by said catch, said movable member being thereafter automatically retractable in the opposite direction away from the held movable contact element; and means movable in each direction with said retractable movable member, the path of movement of said means in its movement in said one direction being such that it engages and flexes said spring arm away from said position of engagement of said catch with said movable contact element, when the spring arm is in said engagement position, and the path of movement of said means in said one direction being such that it also fails to thus engage and flex said spring arm, when said spring arm is not in said engagement position, whereby upon a second movement of said resiliently retractable member in said one direction, said movable contact element is disengaged from said catch and is free to return to its first position under the action of its biasing means.

2,579,136
SOUND WAVE TRANSDUCER
Leslie J. Anderson, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1949, Serial No. 102,228
7 Claims. (Cl. 313—146)



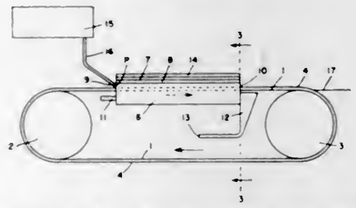
1. A sound wave transducer responsive to sound waves of predetermined frequency for generating alternating electrical currents corresponding in frequency to said predetermined frequency, said transducer comprising an evacuated envelope containing a plurality of electrodes for developing space current flow in said envelope, one of said electrodes comprising a vibratory free-free bar extending through a wall of said envelope and supported at its center by said wall so that one end of said bar is disposed outside of said envelope and the other end of said bar is disposed inside of said envelope in a position to alter said electron stream due to movement of said other bar end, said free-free bar comprising an elongated vibratory element supported approximately at its center and adapted to vibrate transversely at a frequency determined by the bar dimensions with a nodal point at the bar center and antinodal points at or near the bar ends when one bar end is set in motion transversely, the physical dimensions of said bar being such that said bar is mechanically vibratably resonant at said predetermined frequency.

2,579,137
VENETIAN BLIND
Rudy Bruner, New York, N. Y.
Application March 3, 1949, Serial No. 79,339
1 Claim. (Cl. 160—173)



A bracket for mounting a pair of opposite tapes of a Venetian blind including a channel rail having a hole through its base wall and opposite channels, one such channel along each of its side walls at the base wall, said bracket being of a single piece of sheet metal and comprising a base having an open-ended nipple extending from one surface of said base and presenting at its other surface a pair of spaced parallel hooks bent up from the base; each hook being adapted to receive a hemmed end of a tape thereon; said bracket being adapted to be slid within the channel rail whereby opposite longitudinal edges of the base of the bracket are respectively positioned in the opposite channels along the walls of the channel member and is locked in position when said nipple enters and becomes removably engaged in the hole in the base wall of the channel member; each of said hooks lying along one of said edges of the base member and respectively spaced from the side wall of the channel member when the bracket is so mounted within the channel member.

2,579,138
PRODUCTION OF POLYMERIC MATERIALS IN SHEET FORM
Alexander Burness, Welwyn Garden City, and Edmond George Williams, Lemsford, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application January 13, 1949, Serial No. 70,702
In Great Britain January 21, 1948
15 Claims. (Cl. 18—57)



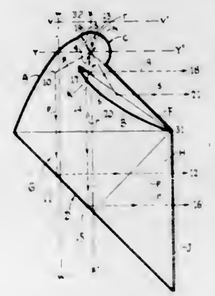
1. A process for the production of polymeric materials in sheet form having at least one smooth surface which comprises allowing a mass containing at least one liquid compound having the group $CH_2{=}C<$ to flow so that it forms a smooth upper surface under gravity and is subjected to polymerization promoting means when it is beneath an adjacent surface heated to a temperature sufficient to prevent condensation of any compound volatilized from the mass.

2,579,139
GROUNDING DEVICE FOR TELEPHONE LINES
Marion R. Chipley, Charlotte, N. C.
Application June 14, 1948, Serial No. 32,786
4 Claims. (Cl. 174—7)



2. A combination lightning arrester support and grounding device comprising a straight rod which is adapted to be driven into the ground, an L-shaped off-set vertical rod having a short leg and a long leg and having its short leg secured to the straight rod a short distance from the upper end of the straight rod, a vertically disposed tubular shaft on the upper end of the L-shaped vertical rod having a bore in the side wall thereof, said tubular shaft being adapted to extend upwardly into the lightning arrester, and means for mounting the lightning arrester on the upper end of the tubular shaft, said lightning arrester having a ground terminal thereon, a wire connecting the ground terminal to the upper end of the tubular shaft to thereby ground a circuit to the lightning arrester.

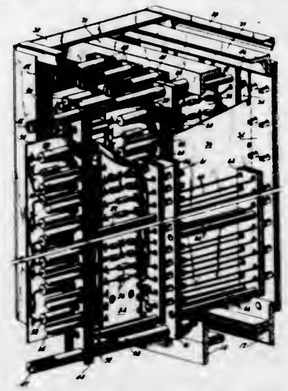
2,579,140
WAVE PROJECTOR
Walter Freeman Crawford, Maplewood, N. J.
Application March 13, 1946, Serial No. 654,203
15 Claims. (Cl. 250—33.65)



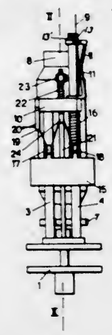
9. In an electromagnetic wave projector system, the combination comprising a source of wave energy, a first paraboloidal reflector for projecting rays in a predetermined direction, a second paraboloidal reflector having its axis angularly disposed to the axis of said first paraboloidal reflector and having its focus coincident therewith and with said source of energy, a concave spherically shaped reflector not exceeding a hemisphere contiguous to one of said reflectors and having its axis of revolution located at said focus, and a fourth reflector having an axis angularly disposed to the axes of said paraboloidal reflectors and adapted to project rays from one of said paraboloidal reflectors in the same direction as the rays from the other of said paraboloidal reflectors.

2,579,141
STRUCTURE FOR ELECTRICAL APPARATUS
John Presper Eckert, Jr., John C. Sims, Jr., and Isaac L. Auerbach, Philadelphia, Pa., assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 18, 1949, Serial No. 77,132
16 Claims. (Cl. 175—298)

1. In a structure accommodating electrical apparatus, a frame having a first arcuate mounting face, a second arcuate mounting face on said frame spaced from said first face, a plurality of electric contact members secured in predetermined relation to said arcuate mounting faces, and a component bearing element detachably secured in abutting relationship with said arcuate mounting faces, said component bearing element having a plurality of contact members maintained in engagement with first mentioned contact members when said component bearing element is so secured.



2,579,142
CARRIER FOR BRAIDING MACHINES
Francesco Ferruta, Trecate, Italy
Application April 9, 1948, Serial No. 19,938
In Italy April 15, 1947
6 Claims. (Cl. 87—22)

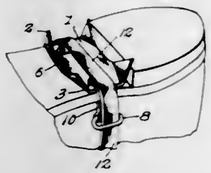


1. In a carrier for braiding machines a thread spool spindle mounted on a base, a standard on said base, a slide on said standard having two thread guides, three thread guides supported by said standard, for guiding the thread said thread passing through the first of said three guides, then through the first of said two guides, then through the second of said three guides, then through the second of said two guides, and then through the third of said three guides, and resilient means cushioning the upward movement of said slide.

2,579,143
ICE CREEPER
Gertrude F. Fisher, Williamsport, Pa.; Louise Fage Steinhelper, Elizabeth Fage Berry, and H. Swank Phillips, executors of said Gertrude F. Fisher, deceased, assignors to O. A. Norlund Company Inc., Williamsport, Pa., a corporation of Pennsylvania
Application February 20, 1951, Serial No. 211,952
1 Claim. (Cl. 36—62)

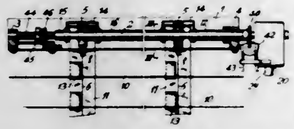
In an anti-slipping device the combination with a flat metallic plate having depending calks

and two spaced slots parallel with its lateral edges, of a metal strap mounted on top of the plate and extended downwardly through the slots to form outwardly projecting flexible bosses engaging under the lateral edges of the plate, said



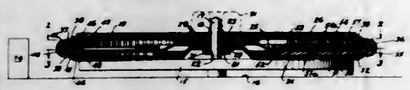
bosses terminating in upwardly extending arms, guide loops mounted in the ends of the arms, and a detachable fastening strap passed through the loops, under the plate, and frictionally engaging the bosses and arms for retaining the device in rigid position.

2,579,144
WINDING AND STOPPING MECHANISM FOR VENETIAN BLINDS
Fritz Griesser, Aadorf, Switzerland, assignor to Rolladenfabrik A. Griesser A.-G., Aadorf, Switzerland
Application May 2, 1950, Serial No. 159,407
In Switzerland May 6, 1949
7 Claims. (Cl. 160—170)



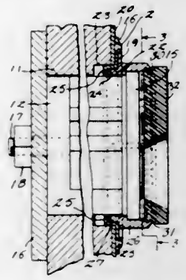
1. Venetian blind operating mechanism, comprising a rotatably mounted winding shaft, flexible lath raising and lowering members suspended from said shaft and adapted to wind-up on the shaft or unwind therefrom upon rotation of the shaft, driving means operatively connected to said shaft for rotating the shaft in one or the other direction, and a friction clutch connecting said driving means to said shaft, said friction clutch including a resilient member, said friction clutch through said resilient member being operative to allow rotation of said shaft in either direction when actuating said driving means, but preventing rotation of the winding shaft under the action of a turning effort exerted on the shaft by the weight of the laths suspended therefrom.

2,579,145
VARIABLE-SPEED PHONOGRAPH TURNTABLE
Edward A. Hermsen, Honolulu, Territory of Hawaii
Application July 2, 1949, Serial No. 102,860
10 Claims. (Cl. 274—9)



10. A variable speed turntable for use adjacent a stationary stud, said turntable comprising, a central interiorly bored hub, said hub being exteriorly threaded, a first plate, a second plate, a third plate, each of said plates fitting about and being held concentric with respect to said hub, washers interposed between said plates adjacent said hub, means for securing said plates centrally disposed with respect to said hub and freely rotatable with respect to said hub and with respect to each other, a first ring gear surrounding and partially interposed between said first plate and said second plate, a second ring gear surrounding and partially interposed between said second plate and said third plate, rollers carried by each of said ring gears engaging adjacent plates and holding said plates parallelly disposed, a first sun gear fixed to said first plate, a first planetary gear rotatably mounted on said second plate and meshing with said first sun gear and said first ring gear, a second sun gear fixed to said second plate, a second planetary gear rotatably fixed to said third plate and meshing with said second sun and with said second ring gear, a first stop arm attached to and extensible from said first ring gear and engageable with said stationary stud to hold said first ring gear stationary and cause relative movement of said first plate with respect to said second plate, and means carried by said first ring gear and actuated upon retraction of said stop arm to lock said first plate and second plate for rotation together.

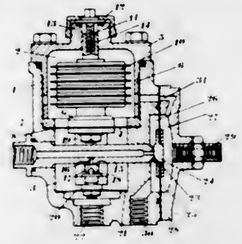
2,579,146
LUMINOUS ATTACHMENT FOR LOCKS
Bernard Heinz, Scranton, Pa.
Application July 17, 1950, Serial No. 174,305
4 Claims. (Cl. 250—76)



1. An accessory for locks of that type including a cylinder, a barrel, a keyhole, an escutcheon plate, and a bezel having a channel therein, comprised of a superposed luminous supplemental escutcheon having a peripheral groove therein, a split clamping ring having a groove coacting with said first mentioned groove, and a clamping flange engaging in said channel.

2,579,147
FLUID PRESSURE RESPONSIVE REGULATING MEANS FOR USE IN LIQUID SUPPLY SYSTEMS
Richard Joseph Ifield, Exeter, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England
Application April 14, 1948, Serial No. 20,913
In Great Britain April 16, 1947
3 Claims. (Cl. 137—153)

1. Flow-controlling means for liquid fuel under pressure, comprising in combination a duct having a by-pass intermediate its ends, a first valve for controlling the admission of liquid fuel under pressure to one end of the duct, a second valve controlling the by-pass, means responsive to the difference between the fuel pressure and a variable air pressure for actuating the first valve, and means responsive to the last mentioned pressure for actuating the second valve when that pressure exceeds a predetermined amount.



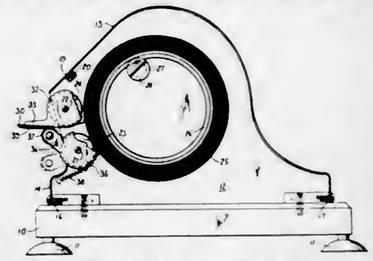
2,579,148
MOUNTING FOR REARVIEW MIRROR REFLECTORS
Livingston Eric Jones, Philadelphia, Pa.
Application April 2, 1949, Serial No. 85,201
5 Claims. (Cl. 88—96)



1. A rear view mirror reflector or like frangible element mounting assembly comprising a frame of generally saucer shape having a substantially flat peripheral portion generally in the plane of the frame and an inwardly canted flange projecting from the outer circumference of said peripheral portion, an elastic, resilient and compressible gasket seated on the flat peripheral portion and being partially inside of and engaging said canted flange, said gasket having opposed circumferential grooves one of which faces the canted flange and the other being exposed, said other groove being flanked by pliable toes, and a frangible element of smaller circumference than the edge of the canted flange and larger than the inner circumference of the gasket and seated in the exposed groove of said gasket.

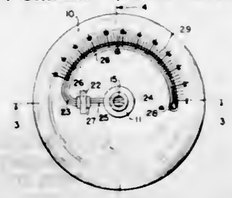
2,579,149
TAPE-DISPENSING MACHINE
Alfred P. Krueger, Stratford, and Oscar P. Erhardt, Derby, Conn., assignors to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application June 18, 1947, Serial No. 755,338
6 Claims. (Cl. 242—55.5)

1. In a machine for dispensing pressure-sensitive tape, a frame, a supply roll of tape mounted on the frame, a hollow spool upon which said roll is carried, a pin on the frame extending loosely within said hollow spool for freely suspending the latter, a pair of vertically spaced rollers mounted at the forward portion of the frame below said pin toward which the supply roll is urged by gravity, the tape being drawn from the frame between said rollers with its non-tacky side in engagement with the upper one



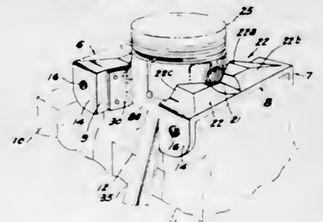
thereof, and means for preventing engagement of the free end of the tape with the other roll.

2,579,150
THERMOMETER COMBINED WITH SPRAY HEAD
Robert Leopold, Philadelphia, and Anthony Breau, Yeadon, Pa., assignors to Thermoscopic Spray Sales, a partnership
Application June 4, 1948, Serial No. 31,093
7 Claims. (Cl. 73—343)



1. A spray head comprising a body portion of transparent material and a perforate spray plate secured thereto to provide an interior liquid chamber, an expanding liquid thermometer having a bulb portion mounted in said chamber and having an arcuate stem portion visible through the body, and temperature indicia arcurately disposed on said body contiguous to said arcuate stem portion.

2,579,151
PISTON HOLDING ATTACHMENT FOR VISE JAWS
Thomas D. Lloyd, Sun Valley, Calif.
Application December 19, 1950, Serial No. 201,652
1 Claim. (Cl. 81—39)



Mounting means for pistons comprising twin members adapted to be mounted on the jaws of a conventional vise, each member consisting in part of a shoe having horizontally and vertically disposed body portions which intersect at a right angle and form adjacent faces which respectively overlie and abut the top and front faces of the vise jaw, each vertically disposed body portion having on its exposed face twin forward projec-

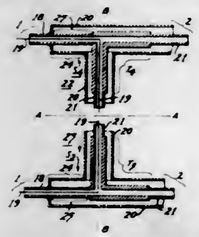
tions which are triangularly shaped as viewed in plan, said projections combining to produce between their apices a broadly V-shaped recess and each horizontally disposed body portion having its exposed face sloping upwardly and forwardly and merging in front with said forward projections to lengthen upwardly the piston gripping surface of the shoe, said forwardly sloping upper face having in its top surface at the midlength of the shoe a depression affording space in which to position a tool for removing a wrist pin of a piston gripped by said mounting means.

2,579,152

WIDE BAND FEED THROUGH STUB

Robert W. Masters, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 25, 1946, Serial No. 679,075
5 Claims. (Cl. 178—44)



1. A dual rotary joint construction providing for transmission of radio frequency energy over a band of wavelengths between relatively rotatable portions of each of two concentric lines comprising two relatively rotatable units each including three concentric conductors coaxially aligned with respect to the axis of rotation of the joint and connected respectively to the corresponding conductors of the other unit, each of said units comprising an arrangement for merging relatively fixed portions of the two concentric transmission lines with said three conductors whose intermediate conductor serves both as the inner conductor of the first of said lines and as the outer conductor of the second of said lines, the relatively rotatable portions of the first of said lines each having a transformer section whose electrical length is an even number of quarter wavelengths substantially midway of said band, and each of said units including a feed-through stub for the second of said lines, the inner conductor of the stub being the outer conductor of the second line and joining the inner conductor of the transformer section of the first line at an odd number of quarter wavelengths from each end of that section, and the outer conductor of the stub being an extension of the outer conductor of the first line and whose electrical length is an integral number of quarter wavelengths, said stubs and transformers thereby coacting to minimize electrical coupling between said lines throughout said band of wavelengths.

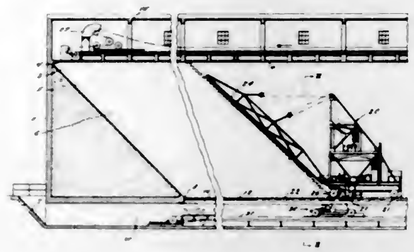
2,579,153

BLENDING SYSTEM

John F. Meissner, La Grange, Ill., assignor to Hewitt-Robins Incorporated, a corporation of New York

Application August 18, 1948, Serial No. 44,962
2 Claims. (Cl. 214—16)

1. In a system of the character described, the combination of a receiving floor for a pile of layered material, a tunnel beneath the level of the floor having an entrance slot in the floor extending longitudinally thereof intermediate the lateral boundaries of the pile of layered material thereon, means normally closing the said slot to prevent the gravity flow of material through the slot into the tunnel, a hopper car adapted to



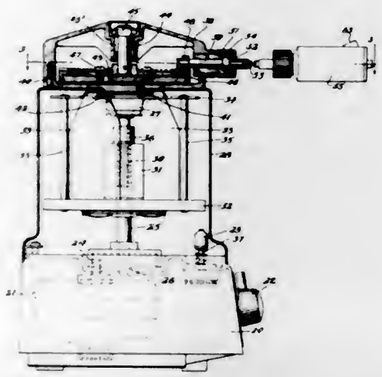
operate within the tunnel, a reclaimer adapted to be advanced into the pile along a path paralleling the tunnel and its entrance slot and including means for directing the reclaimed material toward the slot, and means carried by the hopper car for progressively opening the slot closing means to admit reclaimed material to the hopper car.

2,579,154

FLEXIBLE MAGNETIC POWER TAKE-OFF

Willard L. Morrison, Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del., a corporation of Delaware

Application September 21, 1949, Serial No. 116,915
5 Claims. (Cl. 172—284)



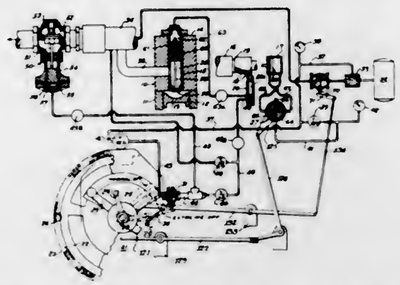
1. A magnetic power unit having a turning magnet which produces a turning magnetic field, and having a housing provided with an upwardly directed flat top having a recess at the center of the upper portion of the unit and a power take off unit resting on top of the magnetic power unit having a housing provided with a centering bulge which extends into the recess, and having a turnable magnet keeper, the force between the power unit and the power take-off unit holding the centering bulge in the recess and preventing displacement of the power unit on the flat top.

2,579,155

UNITARY STARTING AND DYNAMIC BRAKING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Sidney W. Newell, Danville, Calif., assignor to The Union Diesel Engine Company, Oakland, Calif., a corporation of California

Application May 22, 1946, Serial No. 671,603
11 Claims. (Cl. 60—16)



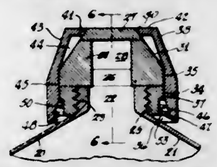
10. In combination with an internal combustion engine including a cylinder supporting a reciprocating piston, a manifold, a cylinder valve associated with said cylinder and said manifold, said cylinder valve provided with means to bias it to a closed position and operative to an open position to afford communication between said cylinder and said manifold, a source of air under pressure, a manifold valve provided with means to normally bias it to a closed position and operative to an open position to connect said source of air under pressure to said manifold, a venting valve provided with means to normally bias it to a closed position and operative to an open position to connect said manifold to the atmosphere, and braking means for operating said venting valve to its open position and for selectively controlling the operation of said cylinder valve so that said cylinder valve is closed near the beginning and opened near the end of the down stroke of said piston.

2,579,156

CONTAINER CLOSURE

George W. Parvis, Jr., Philadelphia, Pa.

Application September 21, 1948, Serial No. 50,254
2 Claims. (Cl. 222—493)



1. In a closure for a container for fluids, a valve adapted to be secured on the container, having a valve element at the end remote from the container, having an internal passage through the valve, having ports at each side from the passage to the outside of the valve at the valve element, having an axially elongated sealing barrel surface around the outside near the middle and having an external spring recess on the end toward the container forming a first spring shoulder at the point where it meets the barrel surface, a cap surrounding the valve, having a discharge opening at the end remote from the container, having a valve seat around and cooperating with the valve, having a portion spaced from the valve all around adjoining the valve seat, having a straight longitudinal elongated sealing surface which actually mates with the barrel to form a seal and having a spring recess on the inside at the end adjoining the container providing a second spring shoulder adjoining the container, the end of the cap adjoining the container being spaced from the valve to provide an opening around the cap into the spring recesses, and a conical spiral spring in the spring recesses having its smaller diameter engaging the first shoulder on the valve and its larger diameter engaging the second shoulder on the cap.

2,579,157

PANEL CONSTRUCTION

Longueville H. Price, Sr., Atherton, and Henry Anthony Scarlett, San Francisco, Calif., assignors to Price Building Specialties Co., San Francisco, Calif., a firm

Application August 2, 1948, Serial No. 42,034
2 Claims. (Cl. 189—34)



1. In a panel construction a first pan comprising a flat section and marginal flanges extending outwardly from and in a plane substantially normal to said flat section, said marginal flanges having their edges folded outwardly and doubled back over themselves to substantially half-way points of said flanges to form outer locking strips, a second pan comprising a flat section and having marginal flanges extending outwardly from and in a plane substantially normal to said flat section, said marginal flanges of said second pan having their edges folded inwardly and doubled back over themselves to substantially half-way points of said flanges to form inner locking strips complementary to said outer locking strips of said first pan, the marginal flanges of said first pan extending outwardly from the flat surface thereof a distance substantially equal to the distance that the marginal flanges of said second pan extend outwardly from the flat surface of said second pan said marginal flanges and said outer locking strips of said first pan telescoped substantially wholly within the marginal flanges and complementary inner locking strips of said second pan with the edges of the locking strips in abutment, whereby said pans lock together to form an assembled panel unit.

2,579,158

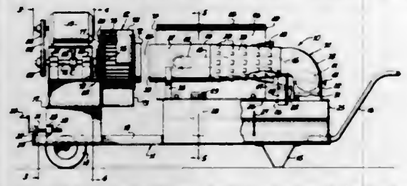
HEATING SYSTEM

Willis L. Scheu, Upland, Calif., assignor to Scheu Manufacturing Company, a corporation of California

Application February 24, 1948, Serial No. 10,209
1 Claim. (Cl. 263—19)

A heating system comprising: a receptacle for holding liquid fuel to be heated and vaporized therein; a stack communicating at one end with

said fuel receptacle to receive vaporized fuel therefrom and having a portion defining a combustion chamber therein and having a discharge opening at its other end beyond the combustion chamber; a hood encompassing said portion of the stack so as to define therebetween an air duct open at one end adjacent said one end of the stack for admission of air to said duct and extending to a position adjacent and around said discharge opening of the stack; said portion of the stack having a plurality of openings disposed within said hood for admitting air from said air duct to said combustion chamber; said

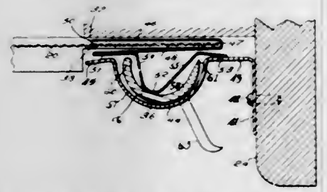


air admitting openings being spaced longitudinally of said portion of said stack and including a set of openings positioned to admit air to the forepart of said combustion chamber, and said stack being provided with baffle means secured to the exterior thereof beyond said set of openings and flaring outwardly and rearwardly around said set of openings so as to screen the space immediately surrounding said set of openings from the air duct; and a blower having an inlet spaced from said discharge opening of the stack in position to induce draft through said stack and through said air duct.

2,579,159

ROLLER SCREEN

Winfield J. Starr, Philadelphia, Pa.
Application September 8, 1949, Serial No. 114,600
8 Claims. (Cl. 160—269)

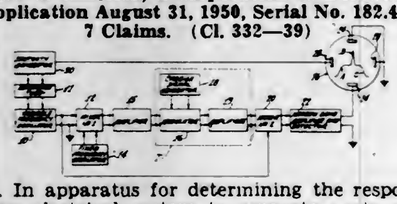


7. A unitary sheet metal gripping strip for a roller screen comprising U-jaws, a reverse bend on one of the jaws, a cam hump on the reverse bend and a spring heel beyond the cam hump.

2,579,160

COMPLEX SIGNAL MEASURING

Stiles C. Stribling, Jr., Haddonfield, William T. Douglas, Jr., Oaklyn, and Franklin E. Talmage, Westmont, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 31, 1950, Serial No. 182,464
7 Claims. (Cl. 332—39)

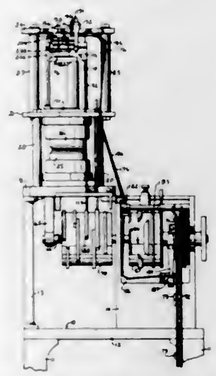


1. In apparatus for determining the response of an electrical system to separate parts of a mixed varying frequency signal passed through said system, in combination, first circuit means to generate a first signal repeatedly varying in frequency between predetermined upper and lower limits about a selected center frequency, second circuit means coupled to said first circuit means to generate a second signal varying in frequency in synchronism with said first signal between zero and a value equal to half the difference between said upper and lower limits, an oscillator adapted to generate a fixed frequency third signal, third circuit means connecting said oscillator and said second circuit means for combining said second and third signals to pass through the circuit being tested, a fourth signal having two components of frequency equal, respectively, to the sum of and the difference between said second and third signals, fourth circuit means connected to said first circuit means and adapted to be connected to the output of said circuit being tested to combine said first signal with said fourth signal after said fourth signal has passed through said circuit being tested, and frequency sensitive measuring means connected to said fourth circuit means, said frequency sensitive measuring means being adjusted to measure only signals of a frequency equal to an arithmetical combination of the center frequency of said first signal and the frequency of said third signal.

2,579,161

NEEDLE SELECTOR MECHANISM FOR KNITTING MACHINES

George F. Teague, Hickory, N. C., assignor to Whiting Hosiery Mills, Inc., Hickory, N. C., a corporation of North Carolina
Application October 2, 1950, Serial No. 187,957
5 Claims. (Cl. 66—14)

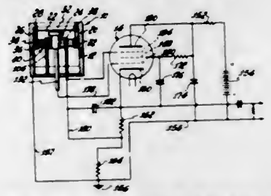


1. In a circular knitting machine having vertically movable needles and selectors associated with the vertically movable needles and being provided with selector butts thereon, said knitting machine also having a plurality of selector levers adapted to be moved into engagement with the butts on certain of the selectors, an improved pattern drum for moving the selector levers into and out of operative position in predetermined order comprising an upper pattern drum section and a lower pattern drum section disposed in coaxial relation to each other, the upper pattern drum section being frictionally supported by the lower pattern drum section, an inner tubular member on which the lower pattern drum section is fixedly mounted, said upper pattern drum section being rotatable on said inner tubular member, a vertically disposed shaft on which the inner tubular member is rotatably mounted, a first ratchet wheel fixed on the inner tubular member and a second ratchet wheel fixed on the upper pattern drum section, pawl carrying means adjacent the ratchet wheels, means for driving the pawl carrying means in an oscillatory manner for imparting step-by-step rotation to the upper and lower sections of the pattern drum, means for rendering the pawl carrying means inoperable with respect to one of the ratchet wheels and maintaining operation of the pawl carrying means with respect to the other of the ratchet wheels so as to impart step-by-step rotation to one of the selector pattern drum sections independently of the other pattern drum section.

2,579,162

SHIELDED CONDENSER MICROPHONE

Paul S. Veneklasen, Monrovia, Calif., assignor to Altec Lansing Corporation, Los Angeles, Calif., a corporation of Delaware
Application February 24, 1950, Serial No. 146,131
4 Claims. (Cl. 179—111)



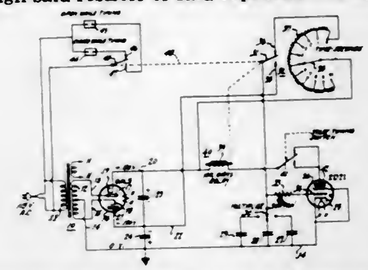
1. A condenser microphone system comprising a conductive housing at effective ground potential, a conductive microphone diaphragm electrically connected to the housing and supported therewithin for vibratory movement in response to sound waves entering the housing, a conductive microphone plate fixedly mounted within the housing in closely spaced parallelism to the diaphragm and separated from ground by a relatively high impedance, an insulating support interposed between the plate and the housing and comprising two mutually spaced elements of dielectric material separated from each other by a conductive shield, an electrical element separated from ground by a relatively low impedance, circuit means for developing across the relatively high impedance between the microphone plate and ground a first voltage that comprises a relatively large fixed component and a relatively small variable component that varies in response to vibrations of the diaphragm, and for developing across the said relatively low impedance between the electrical element and ground a second voltage comprising a fixed component substantially equal to that of the first voltage and a variable component which varies under control of, and in direct proportion to, the variable component of the first voltage, and a relatively low impedance connection between the said electrical element and the conductive shield.

2,579,163

ELECTRONIC TIMING DEVICE

Sidney Wald, Collingswood, N. J., and John S. Russo, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application December 26, 1947, Serial No. 794,078
12 Claims. (Cl. 175—320)

1. The combination of means for applying a resultant potential having positive and negative components, a relay, an energizing circuit for said relay, a resistor, a capacitor, circuit control means operable to apply said negative component to said capacitor in response to energization of said relay and to apply said positive component through said resistor to said capacitor in response

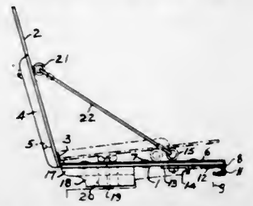


to deenergization of said relay, and means operable to deenergize said relay only while the charge of said capacitor is within a range extending from its most negative value to approximately zero.

2,579,164

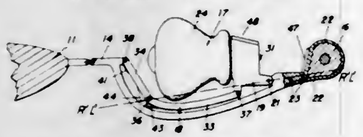
WINDOW CHAIR

Richard Windgassen, Pittsburgh, Pa.
Application October 6, 1948, Serial No. 53,060
1 Claim. (Cl. 304—24)



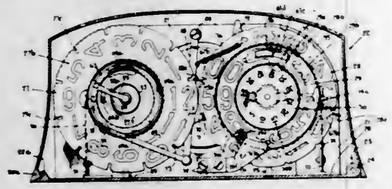
A window chair comprising the combination of a seat, a back having a hinged connection with said seat, a pair of side rails secured along the rear of respective side edges of said back, a pair of eye bolts secure in said back and in the upper ends of respective side rails, a cross rail secured against the rear lower end of said back for reenforcing said hinged connection, a pair of reenforcing side straps secured along to top of respective side edge margins of said seat and having the forward end portions thereof formed to provide a pair of depending attaching hooks, a cushioning strip secured along the forward end of the underface of said seat, a pair of eye bolts engaged in said seat and in respective side straps, a cross bar including a forwardly disposed depending flange adjustably connected against the under face of said seat adjacent to said cushioning strip by said eye bolts, each end of said cross bar being provided with a transversely disposed slot for receiving respective eye bolts and to allow the adjustment of said cross bar on said seat, a cross member extending along the under face of the rearward end of said seat, a pair of transversely extending seating blocks fixed at respective ends of said cross member and depending from the latter a distance beyond the lower free edge of said flange, each end of said cross member and the seating block carried thereby being provided with a slot, a pair of bolts engaged in respective side straps and in respective last-mentioned slots for adjustably connecting said cross member to said seat, and a pair of flexible members secured to respective eye bolts in said seat and to respective eye bolts in said back for holding said back in the erected operative position.

2,579,165
RETRACTABLE STEERING KNOB
Roy Paul Woodruff, Vallejo, Calif.
Application April 7, 1951, Serial No. 219,824
13 Claims. (Cl. 74—557)



1. In combination with a steering wheel having an annular rim and a center hub; a steering knob, a hinge supporting said knob adjacent said rim for movement from an upright position substantially perpendicular to the plane of said wheel toward the hub of said wheel to a retracted position substantially parallel to the plane of said wheel, a supporting member rigidly connected to said hub, a toggle mechanism connecting said supporting member and said knob arranged and constructed for locking said knob in upright position against forces applied to said knob in a direction toward its retracted position.

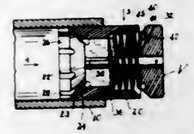
2,579,166
ELECTRIC ALARM CLOCK
Joseph Youhouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application November 22, 1944, Serial No. 564,608
8 Claims. (Cl. 58—19)



1. In an electric clock of the cyclometer type, a pair of substantially circular members mounted for rotation so that their edges extend adjacent each other, the members having indicia along said edges cooperating for indicating time; means for intermittently driving the members through predetermined partial revolutions, one member moving a predetermined number of times for each movement of the other member; an electric alarm; means for controlling said alarm to actuate the latter at a predetermined time, including a circuit provided with a switch having a base, a movable contact, and a rotatable operator for said contact, and including a ratchet for turning the operator and a cam mounted on the said one member for operating the ratchet; and means for rotatably adjusting the switch base to alter the time at which the alarm becomes operative.

2,579,167
LIQUID DETERGENT FEEDING DEVICE
Herbert J. Atkinson, Sudbury, Mass.
Application February 10, 1950, Serial No. 143,542
1 Claim. (Cl. 222—453)

A dispensing device for a liquid comprising an elongated hollow cylindrical container for said liquid, a sleeve secured in and projecting partially from one end of said container and having oppositely-beveled inner and outer end surfaces and having an outwardly-facing internal shoulder, a valve member slidable in said container and sleeve and having inner and outer enlarged ends, a reduced connecting portion and a plurality of guiding vanes thereon, the inner end of said valve member having a short cylindrical portion loosely slidable in said container, said cylindrical portion having a plurality of longitudinal grooves about its periphery to allow flow of liquid past the inner end of said valve member when the valve is open, and said valve member having a frusto-conical portion seated against the beveled inner end of said sleeve when the valve is closed, the outer end of said valve member being normally spaced from the outer



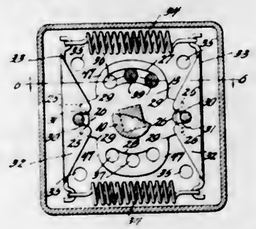
end surface of said sleeve and said outer end having a frusto-conical inner surface to seat against the outer beveled end of said sleeve when the valve is open, and said sleeve having a plurality of end notches extending above the beveled outer end surface of said sleeve and providing radial passages for liquid when the valve is fully open and when the frusto-conical inner surface of the outer end of the valve member is seated against the beveled end surface of the sleeve, and a spring compressed between the internal shoulder in the sleeve and the inner face of the outer enlarged end of said valve member and effective to normally close said valve.

2,579,168
KEY LOCK FOR PUSH-BUTTON SWITCHES
Richard P. Ballou, Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J., a corporation
Original application August 5, 1948, Serial No. 42,718. Divided and this application September 22, 1949, Serial No. 117,596
14 Claims. (Cl. 175—307)



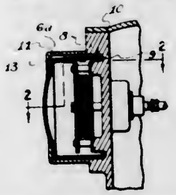
1. In a push-button station, a frame having a cover provided with a plurality of spaced openings disposed in a row, a plurality of switches carried by said frame and each provided with an operating stem disposed axially of one of said openings of the cover, a manually operable part carried by each stem and projecting through one of said openings for access at the front of said cover for manual operation of the companion switch, a movable locking frame disposed at the inner side of said cover and means at the inner side of said cover for supporting said locking frame for movement in opposite directions longitudinally of said row of openings, said locking frame having at least two spaced parts movable therewith, one of said latter parts being disposed in the path of one of said manually operable parts to prevent operation of the companion switch when said locking frame is moved in one of said directions, the other of said latter parts being disposed in the path of another of said manually operable parts to prevent operation of the companion switch when said locking frame is moved in the other of said directions.

2,579,169
INDEXING MECHANISM
Leon G. Barry, Whippany, N. J., assignor to United States Instrument Corporation, Summit, N. J., a corporation of New Jersey
Application July 20, 1950, Serial No. 174,879
6 Claims. (Cl. 74—527)



1. Indexing mechanism comprising a shaft supported for oscillatory movement, a cam secured on said shaft, said cam being slotted and having a toothed periphery, a cam follower engaging said periphery, means yieldably urging said cam follower into engagement with said cam, a fixed stop member extending into said slot, and means for securing said stop member in one of several fixed positions for limiting the oscillatory movements of said cam by engagement between said stop member and the respective ends of said slot.

2,579,170
METER BOX COVER
Henry Barto Bell, Tulsa, Okla.
Application February 25, 1949, Serial No. 78,340
1 Claim. (Cl. 73—431)



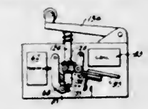
The combination with a vertical meter casing wall and an indicating mechanism on the outside of said wall, of a rectangular cover for said indicating mechanism, said cover being formed from a transparent material, inwardly extending side, bottom and top marginal flanges carried by said cover and extending into an endless deep channel in the meter wall around the indicating mechanism, a rectangular shaped cover retaining frame extending around the cover and seated on the outer face of the wall to the outside of the channel, securing bolts extending through said frame and into the outer wall, said frame having an endless flange overlying and engaging the outer side of the cover flanges for forcing the cover into the channel, said top marginal flange inclining upwardly and inwardly into the upper portion of the channel, a longitudinal rib carried by the outer side of the inner edge of the upper flange and engaging the upper wall of the upper portion of the channel, said flange and inclined wall forming means whereby water will be prevented from entering the cover and will flow downwardly and outwardly and be discharged outside of the cover.

2,579,171
DEVICE FOR PREFORMING CORRUGATED MATERIAL FOR LAMP SHADES
Albert H. Bien, Wynnewood, Pa.
Application October 11, 1949, Serial No. 120,636
2 Claims. (Cl. 93—1)



1. In a device of the character described, a fixed support, a hold-down plate hinged to said support to move towards and away from the exposed face of said support and providing a space between said support and said face to receive a portion of the width of a length of corrugated material, the corrugations thereof being perpendicular to the free edge of said plate, a bending strip hinged to said support in close proximity to said edge to seat under the projecting width of said material to be bent along the line of said free edge, handle means on said plate for lifting said plate while said material is placed thereunder, handle means on said strip to line score and bend said material along the free edge of said plate, and a gauge member mounted on said strip to define the width of the projecting portion of said material.

2,579,172
PROPELLER PITCH REVERSING CONTROL SWITCH
Lawrence J. Bordelon, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application March 31, 1949, Serial No. 84,565
11 Claims. (Cl. 200—153)



1. An electric circuit controlling instrumentality comprising a pair of electric switches, a first movable means for operating one of said electric switches, a second movable means for operating the other of said electric switches, an electromagnet, an armature normally spaced from said electro-magnet and movable toward and away from said electro-magnet, a movable contact, a stationary contact, a switching member mount-

ing said movable contact normally spaced from said stationary contact, said switching member being operatively connected to said armature and movable therewith to perform a switching operation, and actuating means movable to actuate said first and second movable means to operate said pair of electric switches, said actuating means, in the same movement, moving said switching member to engage said movable contact with said stationary contact, and moving said armature into position to be held magnetically by the electro-magnet.

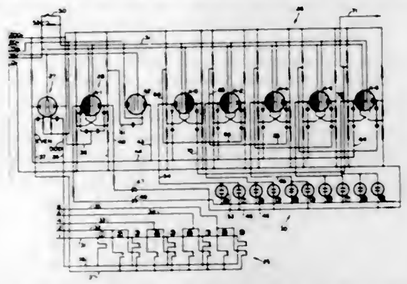
2,579,173
REGENERATIVE HEAT EXCHANGER
Henry Cohen, Newcastle-upon-Tyne, and Arthur Rynyon Devereux Robson, Peterborough, England, assignors to Power Jets (Research and Development) Limited, London, England, a British company
Application August 23, 1948, Serial No. 45,756
In Great Britain September 9, 1947
4 Claims. (Cl. 257—6)



4. A regenerative heat exchanger comprising a cylindrical casing, a shaft extending axially through said casing and supported in bearings in the ends of said casing, a pair of rotatable heat absorbing and heat transmitting cellular matrix discs spaced apart on said shaft within said casing and dividing it into three chambers, sealing and dividing members diametrically arranged in said casing between said discs and between said discs and said ends of said casing dividing said chambers into two separate groups of chambers, one group for the passage of a high temperature fluid and the other group for a lower temperature fluid, the high temperature group being provided with a fluid inlet to the central chamber and with fluid outlets in each of the two outer chambers and the lower temperature group being provided with a fluid outlet from the central chamber and fluid inlets in each of the two outer chambers and resilient means on said shaft between said casing ends and said adjacent sealing and dividing member urging said sealing and dividing members together axially to engage said discs between them to maintain a seal between said high and lower temperature fluids.

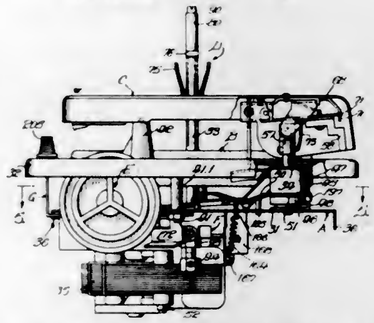
2,579,174
ELECTRONIC ACCUMULATOR
Loring P. Crosman, Darien, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application July 8, 1948, Serial No. 37,652
4 Claims. (Cl. 235—92)

1. An electronic accumulator for receiving and storing digit values from zero to nine comprising, a radix-of-two counter which includes a double-triode trigger stage and a first input circuit for receiving operating pulses, a pulse generator coupled to the first input circuit for registering single digit values during one part of a counting cycle, a radix-of-five counter which includes five double-triode trigger stages and a second input circuit for receiving operating pulses, a pulse generator coupled to the second input circuit for registering double digit values during a second part of the counting cycle, and a carry circuit for trans-



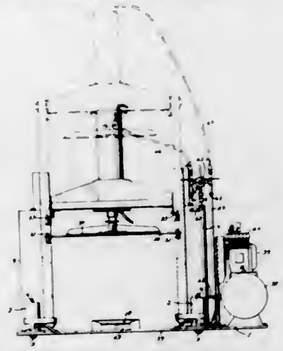
ferring a carry pulse from the radix-of-two counter to the radix-of-five counter when the radix-of-two counter progresses from a count of one to a count of zero.

2,579,175
PHONOGRAPH
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Original application December 15, 1949, Serial No. 133,168. Divided and this application January 13, 1950, Serial No. 138,472
4 Claims. (Cl. 274—10)



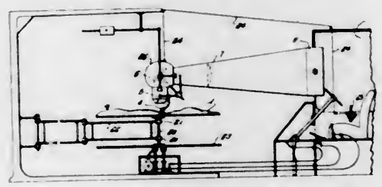
1. In a phonograph, the combination of a supporting base, a record-supporting turntable journaled for rotation on the base, a motor connectable to rotate the turntable, a record-supporting spindle associated with the turntable, means for releasing records one at a time for positioning on the turntable, a tone arm oscillatingly mounted on the base to traverse a record on the turntable, a cam member associated with the turntable and having separate cam tracks for respectively effecting vertical and horizontal movements, means on the base for returning the tone arm to its starting position after completing the playing of a record, a pair of cam followers shiftably mounted on the base and respectively connected to the record release means and the tone arm returning means and concurrently actuatable to engage the respective cam tracks to effect the coordinated action of the two means for returning the tone arm to its starting position and releasing a record on the spindle, tripper means mounted on the base and adapted to initiate engagement of the cam followers with the respective cam tracks, and a lever swingably mounted on the base and adapted to be shifted to manually actuate said tripper means.

2,579,176
PRESS
John Thomas Dalton, Durham, N. C., assignor to The American Tobacco Company, New York, N. Y., a corporation of New Jersey
Application March 9, 1948, Serial No. 13,759
5 Claims. (Cl. 100—56)



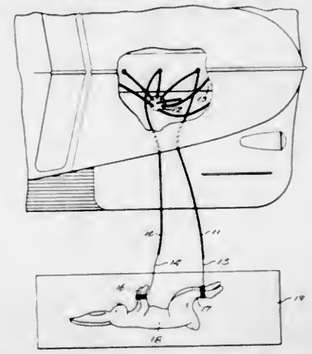
3. A device of the character described comprising a pair of vertically disposed guides, vertically movable members mounted in the guides, a hood pivotally mounted in the vertically movable members and movable with said members, a cylinder carried by the hood, the hood being capable of moving through an arc of 180° to arrange the cylinder above or below it, means for delivering fluid to either end of the cylinder, a piston in the cylinder, a piston rod connected to the piston, and a pressure plate carried by the piston rod.

2,579,177
OPTICAL PROJECTION APPARATUS
George Herbert Miles, Hillside, New Barnet, England
Application November 15, 1945, Serial No. 628,831
In Great Britain, August 23, 1943
2 Claims. (Cl. 88—1)



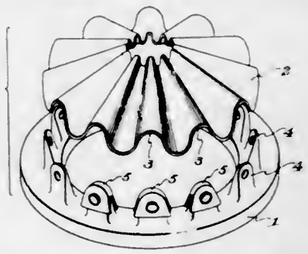
1. An optical projection apparatus for giving the impression of personal movement within an environment to an observer actually stationary relative thereto, comprising, in combination, a small scale model scene produced in topographical area layout form with various true-to-life object representations incorporated therein; means throwing light upon said model scene; an image pick-up light-deflecting means arranged in operative relation to the model scene at a scale height respective thereto corresponding normally to the height of the eyes of a person viewing the actual or natural scene represented by the model at the point of said image pick-up light-deflecting means, the said last-named means being adapted to be moved relatively to the model scene within the area of such model scene; a fixed viewing station for the observer outside the model scene area for viewing the scene normally at the height of the observer; means for operatively moving the image pick-up light-deflecting means relatively to the model scene within the area thereof with respect to the various scenic object representations incorporated therein; and an optical system including reflector means correlated cooperatively with the image pick-up light-deflecting means and the viewing station adapted to transmit to the eyes of the observer at said viewing station the image picked up by said image pick-up light-deflecting means as the latter is moved as desired within the model scene area, so as to give the observer a continuous and changeable view of the model scene at and from any point or position throughout its extent such as he would obtain by or in actual travel movement in any direction within the area represented by the model.

2,579,178
ELECTRIC DOG TRAINING DEVICE
Charles G. W. Dierking, Aurora, Ind.
Application February 4, 1947, Serial No. 726,320
1 Claim. (Cl. 119—29)



In a device for training dogs comprising in combination a block of wood adapted to be placed on the ground, a slab of insulating material on said block having thereon a carcass of an animal, a source of electric current supply comprising a suitably grounded combustion engine having spark plugs therein, leads extending from said spark plugs to the legs of the carcass to provide a source of current potential through said carcass so that when a dog comes in contact with the carcass the dog will be given an electrical shock.

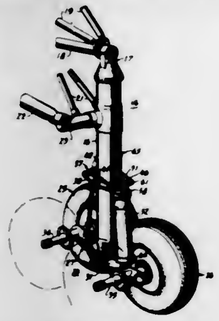
2,579,179
CLUTCH PLATE SHIM
Robert L. Edens, Tulsa, Okla.
Application October 28, 1948, Serial No. 57,102
1 Claim. (Cl. 192—111)



The combination with a clutch projection ring a projection carried by said ring, said projection

being arcuately shaped at its outer end and its sides flat and diverging, the inner and outer sides of said projection being flat and the projection apertured, a shim fitting said projection, said shim being cup shaped and conforming to the shape of the projection, said shim having front and rear walls angularly conforming to the angularity of the inner and outer sides of projection and provided with apertures registering with the aperture in the projection and securing means extending through said registering apertures.

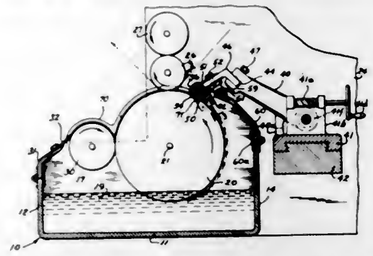
2,579,180
TANDEM-WHEEL SHOCK ABSORBING AIRCRAFT LANDING GEAR
Wendell E. Eldred, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application March 15, 1949, Serial No. 81,548
18 Claims. (Cl. 244—104)



1. In an aircraft landing gear, a main strut, a wheel carriage mounted on said main strut, said wheel carriage comprising a generally horizontal axle assembly pivotally connected, intermediate its ends, to said main strut and having wheel means rotatably supported at the extremities thereof, pivot means rigidly affixed to said main strut a load transmitting assembly mounted for pivotal movement on said pivot means, a rigid link member disposed at one side of said main strut interconnecting said load transmitting assembly and said axle assembly, and a shock absorbing strut on the opposite side of said main strut interconnecting said load transmitting assembly and said axle assembly.

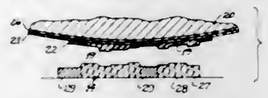
2,579,181
ENCLOSED GRAVURE FOUNTAIN
Harry W. Faeber, Larchmont, N. Y., assignor to Time, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1948, Serial No. 41,051
3 Claims. (Cl. 101—157)

1. An enclosed gravure fountain comprising a housing having side and end walls for a printing fluid, a rotatable printing cylinder in the housing parallel to and spaced from said side walls and having configurations thereon formed by depressions extending below the peripheral surface thereof, a unitary and flexible doctor blade having a wiping edge bearing on the peripheral surface of the cylinder, an inflatable fluid pressure tube overlying the doctor blade and capable of exerting pressure on said blade to maintain substantially the entire length of the wiping edge against the peripheral surface of the cylinder, means for supporting said flexible doctor blade and said fluid pressure tube, sealing means for covering the space between said supporting means and one of said side walls, a seal roll parallel to said printing cylinder and in rolling contact with the peripheral surface thereof, said roll being disposed between said cylinder and the other of said side walls, means for rotating the printing cylinder and the seal roll at substantially the



same peripheral speed, a second seal blade between said other side wall and said seal roll and having a bearing edge in wiping contact with said seal roll, said seal roll and said second seal blade cooperating to cover the space between said cylinder and said other side wall, and sealing means between the end walls and the adjacent ends of the cylinder and seal roll for sealing gaps at the ends of the cylinder and seal roll.

2,579,182
METHOD OF MAKING MECHANICAL OVERLAYS
Alfred E. Farley, Chicago, Ill.
Application December 6, 1948, Serial No. 63,669
18 Claims. (Cl. 101—401.3)



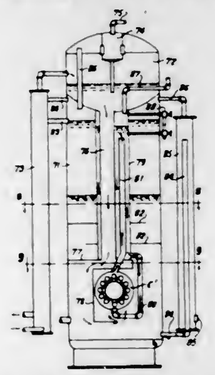
15. The process of forming an overlay which comprises providing an impression member of a printing apparatus having positioned on the impression surface thereof an assembly comprising a porous sheet material having loosely adhered thereto a finely divided compressible material capable of being or becoming hardened, applying to said assembly a type form containing types of different height and spacers, to compact said material opposite said types into a reverse image of said type form, and thereafter removing the uncompacted material opposite said spacers.

2,579,183
METHOD FOR TENSIONING REINFORCEMENTS
Eugène Freyssinet, Neuilly-sur-Seine, France
Application June 8, 1945, Serial No. 598,312
In France June 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 29, 1963
8 Claims. (Cl. 29—148.2)



1. The process of setting up a predetermined permanent prestress T in a reinforcing rod frictionally engaging a curved surface of a body of hard material to be subjected to permanent compression stresses, which comprises first putting the rod into contact with said body along a curved line, anchoring the rod at one end to said body, then simultaneously applying to said rod a plurality of tensioning forces directed tangentially of said rod and away from said anchored end at a plurality of closely spaced points along a portion of the rod adjacent the anchored end while maintaining said rod in frictional contact with said body, the aggregate of said tensioning forces being at least as great as the total force precalculated to set up said stress T with friction taken into account, the distance between any two adjacent points being so small that the tension drop caused by the friction of the rod against the body between said adjacent points is only a small fraction of the said tensioning force, releasing the tensioning stress at the first of said points nearest the anchored end while maintaining the tensioning forces at the other points, applying a tensioning force substantially equal to the said released stress, tangentially of said rod at a further point on the rod beyond the last of said above-mentioned points, at so small a distance from said last point that the tension drop caused by friction between said further point and the last point is only a small fraction of the newly applied tensioning force, and proceeding further in the same manner point by point along the length of the rod to be tensioned and maintained in frictional contact with said body, and finally anchoring the other end of said rod to said body.

2,579,184
MEANS FOR HEATING VESSELS
Clarence O. Glasgow and Joseph L. Maher, Tulsa, Okla., assignors to National Tank Company, Tulsa, Okla., a corporation of Nevada
Application September 19, 1947, Serial No. 775,119
13 Claims. (Cl. 210—52.5)

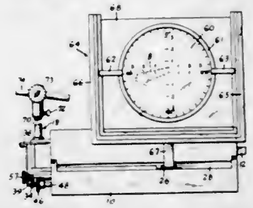


1. An apparatus for a system of treating oil field emulsion streams which includes, a multicompartment container adapted to contain a body of heated water in one compartment, means for maintaining said body at a predetermined liquid level, a conductor discharging the emulsion stream into said body, a hot fluid generator disposed in the compartment adapted to receive a body of heated water below the predetermined liquid level, the generator being adapted to be immersed in said body for heating said body and emulsion stream to break down the emulsion, a heating conductor in heat exchange relationship with another compartment of the vessel, said latter conductor being connected to the hot fluid generator for circulation of the hot fluid through said heating conductor, means for conducting the emulsion stream through the latter compartment for preheating prior to its discharge into the body of water, means for carrying off the water precipitated from the stream, and means for carrying off the clean oil.

2,579,185
AMINE SALT OF PENICILLIN
Alphonse P. Granatek, Syracuse, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application December 8, 1949, Serial No. 131,929
2 Claims. (Cl. 260—239.1)

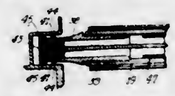
1. A salt of penicillin and 6-chloro-9-(4-diethylamino-1-methylbutylamino)-2-methoxy-acridine.

2,579,186
APPARATUS FOR POSITIONING BONE NAILS FOR FIXING FRACTURED BONES
Edward J. Haboush, Brooklyn, N. Y.
Application August 25, 1949, Serial No. 112,366
6 Claims. (Cl. 128—92)



1. An apparatus for locating the axis of a fractured bone comprising a support having a surface to receive a member having a fractured bone, a first compartment in said support for receiving photographic material sensitive to X-rays, a measuring element transparent to X-rays having a scale thereon opaque to X-rays and graduated in degrees of angle and units of linear measurement, a second compartment for receiving said element between said first compartment and said surface, and mechanism in said support on the opposite side of said first compartment from said second compartment for rotating said measuring element and moving it in right angularly related directions.

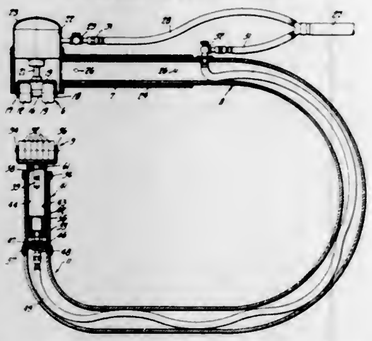
2,579,187
CABLE OPERATED CURTAIN FIXTURE
Andrew T. Hagerty and Theron F. Brenneman, Elkhart, Ind., assignors to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application September 5, 1945, Serial No. 614,512
6 Claims. (Cl. 160—279)



2. A window construction comprising a frame having guide channels along opposite sides, a roller curtain having its roller mounted adjacent one end of said guide channels and having a tubular rod member on its movable end, end extensions on said rod member having flattened flared open ends received in said guide channels, a pair of cables, each having one end attached adjacent the curtain roller mounting at the end of one of said guide channels and extending along said guide channel, through said tubular mem-

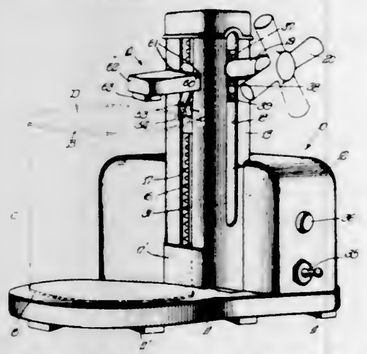
ber on the free end of the curtain, and along the opposite guide channel, and attached at the other end of the said opposite guide channel, an anti-rattler member removably positioned in the open end of each of said end extensions, the respective end extensions having cut away portions and said anti-rattler members having portions received therein and extending outwardly therefrom for engagement with the said guide channels.

2,579,188
SHEET METAL WORKING DEVICE
Roy Lee Hollaway, San Francisco, Calif., assignor of thirty per cent to Manfred M. Warren, Oakland, Calif.
Application June 18, 1949, Serial No. 100,070
7 Claims. (Cl. 153—32)



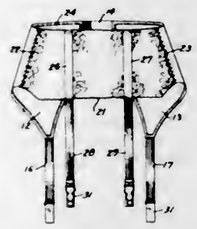
1. A sheet metal working device comprising, a pair of rollers, means journalling said rollers for rotation about their axes and supporting the peripheries of said rollers in opposed substantially parallel planes, means for clamping said roller peripheries on opposite sides of sheet metal to be worked, means for rotating one of said first-named roller supporting means and the roller carried thereby about an axis substantially perpendicular to said roller axis, the other of said roller supporting means being supported to freely swivel about an axis substantially perpendicular to the axis of the roller carried thereby.

2,579,189
AUTOMATIC CAN OPENER
Arthur H. Jenson, Evanston, Ill.
Application May 3, 1948, Serial No. 24,704
7 Claims. (Cl. 30—4)



3. In a container cutting device, a wheel adapted to be positively rotated in driving relation to a peripheral container surface, a cutter unit, a support for mounting said cutter unit in operative relation to said wheel, said cutter unit being removably mounted on said support for sliding positioning thereon in a direction transverse of the axis of rotation of said wheel, and a retainer releasably engageable with said cutter unit to prevent sliding displacement thereof away from the wheel axis, said cutter unit including a blade generally paralleling said wheel axis, a resilient cushioning block in thrust receiving relation to said blade and sustained by said retainer, and means mounting said cushioning element and blade as a unit for ready removal and replacement on said support.

2,579,190
GARTER BELT
Irving Kaldor, San Francisco, Calif.
Application April 7, 1947, Serial No. 739,825
1 Claim. (Cl. 2—306)

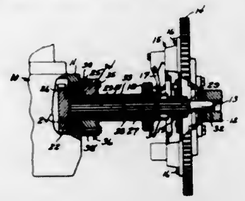


A garter belt comprising a pair of cloth sheets; said sheets being adapted partially to encircle the body about the hips of the wearer, a cloth extension integral with each sheet of said pair of sheets and depending from the bottom edges of each of said pair of sheets at the rear thereof; said extensions being adapted to overlie the rears of the thighs of the wearer, a joiner web strip detachably connected together centrally of its side edges and connected at its side edges to the rear side edges of said cloth sheets; said joiner web strip being adapted to be disposed at the back of the wearer, a continuous unobstructed lace sheet attached at its side edges to the front side edges of said cloth sheets; said lace sheet having slanting portions at the sides thereof and being adapted to overlie the abdomen of the wearer, elastic strips connected to and depending from said cloth extensions, a pair of reinforced tapes attached to said lace sheet in spaced relationship and extending from the top edge to the bottom edge of said lace sheet; elastic strips connected to and depending from said tapes and hose clasps on all of said elastic strips for supporting hose on the belt.

2,579,191
DEMOUNTABLE CLUTCH SHAFT
August Kludt, Sioux Falls, S. Dak.
Application October 22, 1947, Serial No. 781,344
1 Claim. (Cl. 192—110)

In a vehicle, the combination with a transmission including a casing, and a clutch including a clutch plate having an interiorly splined hub, of a shaft interposed between said transmission and clutch and adapted to be shifted longitudinally when it is necessary to remove or repair said clutch plate, said shaft including an interiorly splined sleeve projecting from said transmission casing and a body member, said splined sleeve being provided with an open end, a gear arranged within said casing and secured

to the end of said sleeve, an annular flange arranged adjacent said gear and mounted on said sleeve, a ball bearing race positioned on said flange and providing a rotatable connection between said sleeve and casing, said body member mounted for telescopic movement into said sleeve through the open end thereof, said



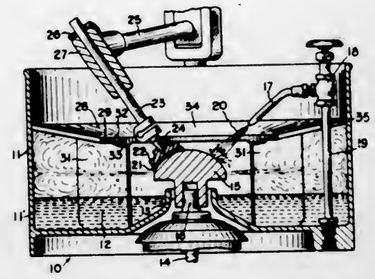
body member including an exteriorly splined first section arranged in engagement with said interiorly splined sleeve, an exteriorly splined second section adapted to be arranged in engagement with said interiorly splined hub when said body member is in its extended position, and a snap lock ring for maintaining said body member in its extended position.

2,579,192
SUTURING INSTRUMENT
Alexander Kohl, Fresno, Calif., assignor of one-half to George H. Sciaroni, Fresno, Calif.
Application August 15, 1950, Serial No. 179,439
4 Claims. (Cl. 128—340)



1. In a surgical stitching apparatus, the combination of an arcuate needle having a sharpened end portion provided with an eye, means mounting the needle for endward arcuate reciprocal movement, means feeding thread to the eye of the needle so positioned that reciprocal movement of the needle at one of its positions draws the thread in chordal relation to the arcuate path of reciprocal movement, a hook mounted for reciprocal movement between a position in hooking relation to the thread in its chordal position and a position retracted therefrom, and synchronous drive means adapted simultaneously to move the needle to the position in which the thread is in chordal relation thereto and the hook to hooked relation to the thread.

2,579,193
MIST TRAPPING SHIELD FOR LENS SURFACING MACHINES
Harold W. Kosbab, Ironequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 22, 1949, Serial No. 106,248
2 Claims. (Cl. 51—131)



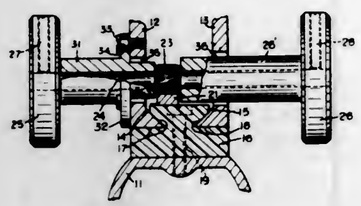
1. A lens grinding machine comprising a vertical, rotatable spindle, a surfacing tool on the upper end of the spindle, a splash pan surrounding the tool, means for supplying a liquid to the tool, means for rotating the spindle at a high speed so that some of the liquid which strikes the tool is atomized, a substantially annular shield horizontally positioned within the pan above the tool for trapping the atomized liquid particles, the central opening in the shield affording access to the tool, and radially disposed spaced baffle plates extending downwardly from the under side of the shield whereby the atomized liquid is trapped and prevented from rising above the shield.

2,579,194
NURSING BOTTLE NIPPLE AND SHIELD THEREFOR
Joseph Kronish, Mount Vernon, N. Y.
Application January 11, 1947, Serial No. 721,607
12 Claims. (Cl. 128—252)



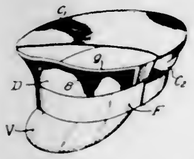
6. In combination, a nursing bottle nipple having an apertured mammilla and an attachment rim, a shield having a portion enclosing said mammilla and a sleeve removably applicable to said rim, said rim having a substantially cylindrical outer surface of appreciable axial extent and said sleeve being cylindrical and of comparable axial extent so that said sleeve engages said rim in axially shiftable relation thereto and is selectively adjustable into either of two axially displaced positions relative to said rim, and coacting parts on said sleeve and rim defining a sterilizing passage from the outside to the interior of the shield when the shield is in one of said positions and sealing said passage when the shield is in the other of said positions.

2,579,195
FOCUSING MECHANISM FOR MICROSCOPES
John C. Kurtz, Irondequoit, and Bernhardt George Gallasch, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application October 20, 1948, Serial No. 55,468
3 Claims. (Cl. 88—39)



3. The combination in a microscope of an arm provided with a substantially U-shaped portion having a pair of outstanding walls, a pair of slideways located opposite each other on the inner surfaces of said walls, a lens tube, a slide carrying said tube and slidably engaged with said slideways, means for adjustably moving the slideways toward and away from each other to vary the engagement with the slide, a rack secured to the slide, a pinion in mesh with the rack for moving the lens tube, a shaft fixedly carrying the pinion, a cylindrical bearing member for rotatably supporting said shaft, said member being positioned between one end of the pinion and one end of the shaft and providing the sole bearing means for the shaft, said bearing member projecting through a clearance aperture in one of the walls, the portion of the shaft on the other side of the pinion extending through a clearance aperture in the other wall, and a flange on said member, said flange being secured to the outer face of the adjacent wall by screws passing through oversize holes in the flange whereby the pitch line clearance between the teeth of the rack and pinion may be adjusted.

2,579,196
UNIFORM CAP
Harry Lev, Chicago, Ill.
Application February 7, 1950, Serial No. 142,897
5 Claims. (Cl. 2—195)



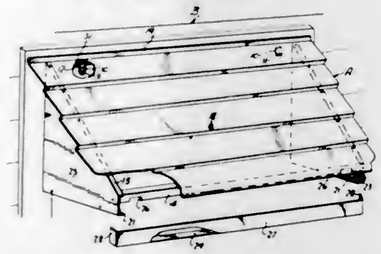
1. A uniform cap having an endless frame, a flexible cover surmounting the frame and secured thereto and provided with a flat top having a tip positioned upwardly and outwardly with respect to the frame, and an arcuately distending means extending across the frontal area of the cap and interconnecting the frame and tip of the cover for yieldable support of the latter, said means comprising a woven fabric having resilient filling threads extended upwardly from the top of the frame to the tip of the cover and throughout the arcuate length of the distending means and providing for the cover a yieldable sustaining force substantially uniform at all points.

2,579,197
VENETIAN BLIND SUPPORTING BRACKET
Samuel Levine, Jackson Heights, N. Y.
Application March 13, 1947, Serial No. 734,355
5 Claims. (Cl. 160—176)



1. A bracket for rotatably supporting a blind which has a top bar and slats suspended therefrom, said bracket comprising a plate with its upper portion bent over, an angle piece attached to the plate with part of said piece adjacent said bent portion and parallel thereto, an angle-plate having a bent edge gripped between said bent portion and said part, the main portion of said angle-plate being disposed in front of said first-named plate, a pivot stud rotatably mounted in the main portion of said angle-plate, a grooved wheel fixed on said stud between said plates, a U-shaped rocker affixed to said stud on the outer face of said angle-plate, said hanger having recesses in one end to receive flat projections on the adjacent end of the bar so that the wheel can rotate the bar.

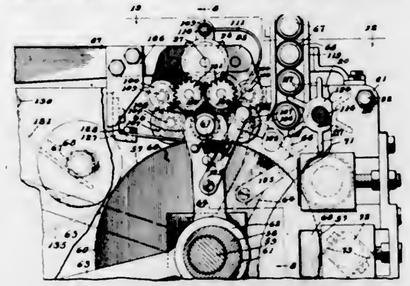
2,579,198
FOLDING AWNING
Henry A. Logan, Heflin, and Claudius N. Wilcher, Sr., Minden, La.
Application July 27, 1950, Serial No. 176,114
3 Claims. (Cl. 160—58)



1. An all metal awning of the character described, comprising a sloping top member, end members hinged to the said top member to fold flat against the underside thereof when the awning is not in use, means for releasably holding the end members against folding, and the upper edge of the said top member having a downwardly turned flange for mounting the awning.

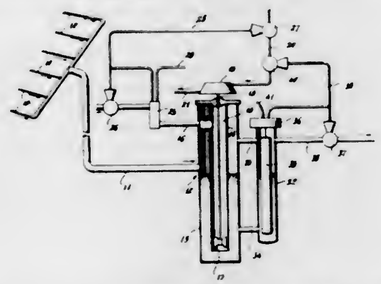
2,579,199
WINDING MACHINE
Nicholas Marcalus, West Englewood, N. J.
Application September 26, 1945, Serial No. 618,711
8 Claims. (Cl. 242—56)

4. In a web winding machine, the combination of a feed drum and oscillatory caging rolls coactive therewith for winding a web about a core assembly located between the feed drum and the caging rolls, means for moving said caging rolls away from and toward the feed drum with the delivery of a core assembly to an initial winding position between the feed drum and the caging rolls and the discharge of the partially wound core assembly from said initial winding position, respectively, means for guiding core assemblies toward the feed drum, an oscillatory carrier for moving core assemblies one



at a time from said second mentioned means to a winding position between the feed drum and said caging rolls, and a spider means controlled by said oscillatory carrier for moving core assemblies one at a time from said second mentioned means to said carrier.

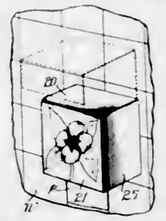
2,579,200
UNLOADING SYSTEM FOR VOLATILE LIQUIDS
Emory D. Mattix and Charles W. Stokes, Lake Charles, La., assignors to Cities Service Refining Corporation, Lake Charles, La., a corporation of Delaware
Application December 3, 1949, Serial No. 131,016
8 Claims. (Cl. 103—37)



1. A pumping system for transferring volatile liquids including in combination a pump, pump inlet and outlet lines, a float chamber connected to the pump, means for varying the output of the pump, a flare gas line leading from the float chamber, a valve in the flare gas line, and a liquid level controller responsive to variations in the liquid level in the float chamber, and operative to control the means for varying the output of the pump and the opening of flare gas line valve to maintain the liquid level in the float chamber at a constant value.

2,579,201
COVERING HOOD FOR PAPER ROLLS
George A. Pendergast, Chicago, Ill.
Application February 25, 1949, Serial No. 78,355
3 Claims. (Cl. 242—55.2)

1. A hood for a roll of paper having, in combination a mounting structure adapted for affixation upon a wall and comprising a pair of spaced sides extending normally from the wall at points outwardly of a paper roll when supported therebetween, means fixedly interconnecting the sides at the tops thereof adjacent the wall, a cover comprising a top, front and part-bottom extending from the front to a point rearwardly thereof, a pair of immovable flanges inturned from the sides at the bottom to provide a fixed rest for the part-bottom of the cover, the edges of the mounting structure and cover, when the latter is in closed position, being in



closely disposed relation to provide a substantially tight enclosure at the top, front and sides, and a hinge connection between the cover and mounting structure having its axis substantially at the top rear edge of the hood, permitting the cover to be swung upwardly and outwardly to open position and, by gravity, to execute a return swinging movement at the conclusion of which its part-bottom engages slidingly with the inturned immovable flanges while advancing thereagainst with a wedging pressure.

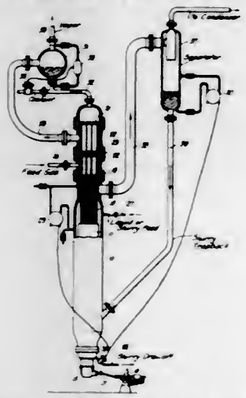
2,579,202
PERFUME CONTAINER AND DISPENSER
Girolamo Piccoli, Croton on Hudson, N. Y., assignor to Fabergé, Inc., New York, N. Y., a corporation of New York
Application April 6, 1948, Serial No. 19,397
5 Claims. (Cl. 215—73)



1. A dispensing container for perfume and the like which comprises a bottle having a shoulder and a projecting neck provided with a dispensing opening, a stopper-like member formed of a soft, non-metallic, organic plastic material and having a portion inserted in said opening and substantially closing the same, said portion upon being forced into said neck serving to effect a good seal in relation to said neck, said member having a passage therethrough extending from the inner end thereof to a point at the exterior surface thereof, at least a portion of said passage

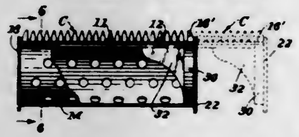
having such a restricted cross-section that none of the liquid will be discharged upon the mere inversion of the container and only the desired limited flow of the liquid will be permitted therethrough as the container is inverted and the end of said member is drawn across a surface to be wetted, a rigid cap surrounding said member and said neck of the bottle with the lower end of said cap in engagement with the shoulder of the bottle, said cap having an opening in its top through which a portion of said member surrounding said passage projects, said member firmly engaging said cap around the periphery of said opening, and cementing means filling said cap around said member and neck to secure the several parts in permanently assembled relation.

2,579,203
GAS-LIQUID CONTACTING APPARATUS
David H. Putney, Kansas City, Mo., assignor to Stratford Engineering Corporation, Kansas City, Mo., a corporation of Delaware
Application November 10, 1948, Serial No. 59,274
2 Claims. (Cl. 261—3)



1. A mixing device for contacting gases and liquids or liquids plus solids, comprising a vessel, a circulating tube within the vessel, an impeller within the circulating tube, two sets of tube bundles supported within the vessel and extending into the circulating tube, the tubes of one set perforated for the discharge of gas, a supply pipe for feeding gas to the perforated tubes and inlet and discharge pipes for circulating a heat exchange medium through said second set of tubes, and inlet and discharge openings for introducing and withdrawing fluids from the vessel.

2,579,204
HAIR CURLER
Carl W. Renstrom, Omaha, Nebr., assignor to Tip-Top Products Company, Omaha, Nebr., a corporation of Nebraska
Application October 31, 1947, Serial No. 783,353
8 Claims. (Cl. 132—35)



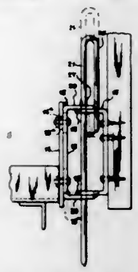
1. A hair curler comprising an elongated mandrel around which the hair may be wound, a comb comprising a bar with teeth thereon which is separable from said mandrel, said mandrel having a longitudinal slot therein to support said comb in curl winding position in said mandrel with its teeth protruding beyond the surface of said mandrel, said comb having means for slidably securing same in said slot, said comb having a circular abutment attached thereto which engages one end of said mandrel to limit the insertion of the comb in said slot, said abutment having an extending portion which serves as a finger grip, whereby to retain said comb in fixed position in the set curl while said mandrel is moved longitudinally with respect thereto and removed from said comb, the protruding portions of said teeth being of length less than the diameter of said mandrel.

2,579,205
MARKING GAUGE
Harold R. Rippon, East Lynn, Mass., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application October 29, 1949, Serial No. 124,321
3 Claims. (Cl. 33—42)



3. A marking gage comprising in combination a bar of pentagonal cross section having two angularly related flat gaging surfaces extending therealong and having at one end a longitudinal slot substantially bisecting the angle between said gaging surfaces, a gage block having a transverse pentagonal opening therethrough slidably receiving said bar, a locking screw carried by said gage block arranged to engage said bar oppositely of the apex of the angle between said gaging surfaces to wedge said gaging surfaces against said gage block within the transverse opening when said locking screw is tightened, and a marking point adjustably disposed within said slot transversely of the axis of the bar, the tip of said marking point being arranged to be projected so as to mark a work piece to the desired depth with either of said gaging surfaces in surface-to-surface contact with the work piece.

2,579,206
SWING HINGE
Hillard J. Sands and Nathan E. Blanke, Cleveland, Ohio, assignors to The Harvard Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 3, 1949, Serial No. 125,296
11 Claims. (Cl. 16—144)



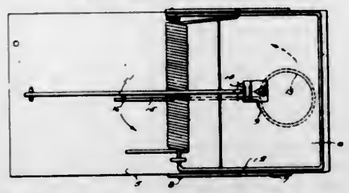
10. A hinge for providing limited swinging movement and comprising a pair of similar hinge members each having a base engageable with one of two relatively movable members and each having a pair of sides extending substantially normally from the base at the ends thereof, said members being positioned in opposed relation with corresponding sides thereof being partially overlapped in immediately adjacent relation, and a hinge pin engaged with aligned holes formed in the overlapped sides of said members, one of said members having a protuberance on one said side thereof to abut against a portion of said other member to limit relative rotation therebetween in one direction, said hinge pin having a doubled back end portion for engaging said members to prevent relative rotation therebetween in the opposite direction when said protuberance engages said other member.

2,579,207
SLIDE FASTENER TOOL
John R. Scheib, Lakewood, N. J.
Application June 27, 1946, Serial No. 679,744
2 Claims. (Cl. 81—3)



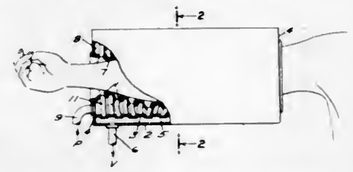
1. In a slide fastener repair tool, the combination including a pair of resilient strips having one set of ends juxtapositioned and normally separated relative to each other, means joining said strips at a position remote from said juxtapositioned ends, and formed open channels integral with each strip at said juxtapositioned ends and having their recesses facing each other, said channels having substantially parallel converging slide fastener teeth engaging walls and exteriorly projecting tape engaging flanges adjacent said teeth engaging walls and substantially perpendicular thereto, said tape engaging flanges firmly holding said tape as the closed channels move along a separated fastener to close the teeth thereof, said flanges having tape engaging surfaces having an effective width in the range of $\frac{3}{64}$'' when the closing width of the channel is in the order of between $\frac{9}{64}$'' and $\frac{15}{64}$'' and the leading width of the channel is in the order of between $\frac{1}{32}$'' and $\frac{1}{32}$''.

2,579,208
ANIMAL TRAP
Jeremiah Silvia, Dartmouth, Mass.
Application September 26, 1944, Serial No. 555,844
2 Claims. (Cl. 43—81)



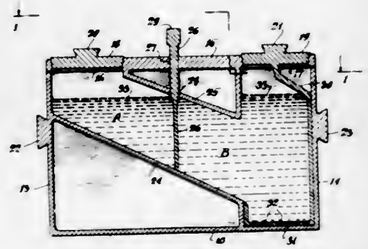
1. An animal trap of the class described including a base having a spring actuated jaw thereon and a pivoted catch bar also carried by the base, a platform and means pivotally connecting the platform at the front edge of the base for vertical movement, said platform having a bait holder thereon engageable by the free end of the catch bar to secure the jaw in its set position, the catch bar being released by the weight of an animal on the platform, and a swingably mounted stop carried by the base and adapted for horizontal swinging movement into a position to underlie the platform to limit downward movement thereof.

2,579,209
MASSAGE DEVICE
William G. Smith, Portland, Oreg.
Application November 1, 1949, Serial No. 124,881
9 Claims. (Cl. 128—25)



1. A machine for applying massage thereapy to a portion of human body, comprising a plurality of suction cups, a yieldable mounting therefor comprising a wall-like rubbery structure, pneumatic pressure retaining means of which said structure is a part and movable to carry said mounted cups against a body surface under influence of pneumatic pressure, and elastic means for reacting against said pressure when it is decreased and vacuum energy means operatively connected to said suction cups.

2,579,210
CLEANING AND ANNEALING TANK FOR DENTAL INLAYS, CASTINGS, AND THE LIKE
Burton Spier, New York, N. Y.
Application August 24, 1950, Serial No. 181,202
3 Claims. (Cl. 134—143)



1. An acid tank for use in cleaning and annealing dental inlays, castings and the like, comprising a substantially rectangular shaped receptacle including a bottom, side walls, and a top having openings towards opposite ends thereof, removeable covers for said openings, a tray normally resting on the bottom of the tank below one of said openings and connected to the cover for said opening, an inclined platform extending transversely between the top and bottom of the tank and sloping toward said tray, and a vertically disposed partition extending across the tank between said openings and adjoining opposite side walls thereof, said vertically disposed partition normally resting on said inclined platform and being moveable upwardly through a slot in the top of the tank, substantially as described.

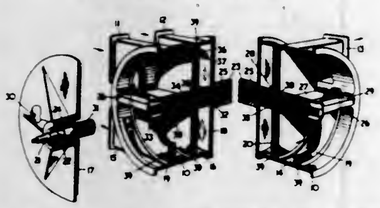
2,579,211

REGENERATIVE HEAT EXCHANGER

Raymond K. P. Stevens, Farnham, and Martin Cox, Cove, Farnborough, England, assignors to Power Jets (Research and Development) Limited, London, England, a British company

Original application August 23, 1948, Serial No. 45,756. Divided and this application November 25, 1949, Serial No. 129,261. In Great Britain May 20, 1948

5 Claims. (Cl. 257—6)



1. A sealing contact member of a dividing member of a regenerative heat exchanger of the kind described and in which the pressure difference between the two fluids is great, comprising a plurality of sealing contact elements slidably positioned in the groove of the dividing member in closely abutting formation to provide a continuous seal against the matrix face and a flush rear surface in the groove, each element being individually movable towards and away from the matrix face and each being spring biassed sufficiently to maintain it in contact with the matrix face and each being provided with a fluid passage extending therethrough from the sealing contact face to the face within the groove to collect high pressure fluid leaking past the sealing contact face and to lead it to the face in the groove to load the element and urge it into contact with the matrix face.

2,579,212

HEAT EXCHANGER

Raymond K. P. Stevens, Farnham, and Martin Cox, Cove, Farnborough, England, assignors to Power Jets (Research and Development) Limited, London, England, a British company

Original application August 23, 1948, Serial No. 45,756. Divided and this application November 25, 1949, Serial No. 129,262. In Great Britain August 20, 1948

6 Claims. (Cl. 257—6)



5. In a regenerative heat exchanger of the kind described, a matrix disc comprising a central boss with an aperture for a supporting shaft, an inner element formed of a strip of plain metal and a strip of crimped metal wound together, an intermediate ring member around said element an outer element formed of a strip of plain metal and a strip of crimped metal wound together around said ring, a rim composed of a pair of ring members, each having an internal conical surface which when the two members are secured together form a shallow coned groove, a plurality of felloes forming a complete ring around said outer element, each being provided with an external conical surface to mate with the coned groove so that when the two rim members are secured together their internal conical surfaces slide over the external conical surfaces of said felloes causing them to press inwardly in a radial direction and grip the element, means securing said rim members together and a plurality of insertable and removable rod-like spokes passing through holes in said felloes and said elements and extending between said ring and boss and rim and ring and secured thereto to strengthen said disc.

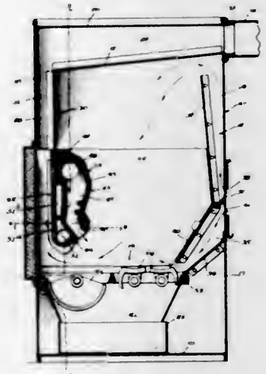
2,579,213

SMOKELESS SOLID FUEL HEATER WITH AIR-COOLED CAST METAL SECONDARY AIR CONDUIT

Warren A. Stuckey, Matt Gregurich, and Frank Tomasich, Joliet, Ill., assignors to The Conlon-Moore Corporation, Joliet, Ill., a corporation of Illinois

Application January 28, 1948, Serial No. 4,798

1 Claim. (Cl. 126—76)



A solid fuel heater comprising an upstanding shell having a normally closed ash pit in its lower portion, a chamber in the form of an upper fuel space and a lower combustion space above the ash pit, and a grate between the chamber and said ash pit, means within the shell forming an outlet duct for the products of combustion located for the most part at one side of said chamber and leading upwards from a point directly above the grate, and means within the shell and at the opposite side of the chamber for delivering primary air so that it flow s in a wide stream over the grate in the direction of the lower end of the outlet duct, said outlet duct forming means embodying at its lower end a horizontally elongated cast metal conduit disposed in laterally spaced relation with the primary air delivering means, having the ends thereof connected to receive outside air as secondary air, provided in the lower part thereof with a single horizontal full length discharge slot facing inwards and downwards and serving to discharge the secondary air towards the combustion space, and having on its lower and central parts and at the outer side of and above the slot a full length enlargement, said enlargement having formed therein a passage arrangement closed to the shell and conduit interiors, consisting of a horizontally extending lower branch at the outer side of said slot and with the ends thereof open to outside air via holes in the shell, a horizontally extending upper branch with its ends open to outside air via holes in said shell and a vertically extending branch between, and in communication with, the central portions of the upper and lower branches, and adapted to have outside air by a natural draft action flow inwards through the open ends of the lower branch, then upwards through the vertically extending branch and then outwards to atmosphere via the open ends of the upper branch and thus effect cooling of the conduit during operation of the heater.

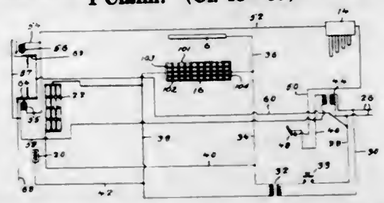
2,579,214

BURGLAR ALARM AND TRAP

Joseph Taylor, Oklahoma City, Okla.

Application January 12, 1949, Serial No. 70,447

1 Claim. (Cl. 43—59)



In a burglar alarm, the combination which comprises a floor grill having a rectangular shaped frame having side and end bars with one of said end bars insulated from the frame, a tongue having spaced laterally disposed fingers extended inwardly from the end of the frame integral with the side bars, tips of insulating material on the ends of said fingers and on the extended end of said tongue, spaced parallel bars extended inwardly from the insulated end bar of the frame, said spaced parallel bars positioned to engage the insulated tips of the fingers of the tongue, said spaced parallel bars having laterally disposed fingers extended outwardly from the outer surfaces thereof, insulating tips on the extended ends of the fingers of the said spaced parallel bars, the said fingers of the spaced parallel bars being thereby insulated from the fingers of the tongue, a vertically disposed bank teller's window spaced from the said floor grill, a power source having a transformer, a circuit connected to a terminal of one side of the transformer and extended to the tongue of the grill, and a circuit connected to the other terminal of the same side of the transformer and extended to the parallel bars of the grill.

2,579,215

WIDE RANGE LIQUID FUEL BURNER AND METHOD FOR INCREASING ADJUSTABILITY RANGE OF WHIRL-TYPE ATOMIZING BURNERS

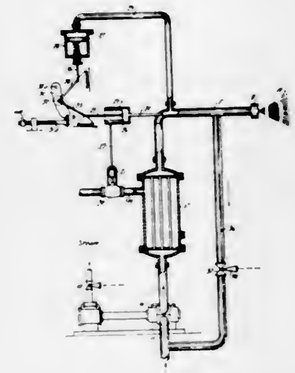
Johannus Augustinus te Nuyl, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 4, 1948, Serial No. 52,732

In the Netherlands October 27, 1947

18 Claims. (Cl. 158—36)

1. Method of operating a whirl-type pressure-atomizing liquid fuel burner having a vortex chamber for increasing the adjustability range thereof comprising the steps of supplying liquid fuel to the vortex chamber of said burner in a direction to cause the fuel to swirl about the axis of the vortex chamber, discharging the resulting swirling fuel through a constricted outlet orifice substantially at the axis of rotation of the swirling fuel, regulating the rate of flow through said orifice by varying the pressure of the fuel in said vortex chamber in the same sense as the desired change in rate of flow, and varying the viscosity of the fuel simultaneously with and in the same sense as the pressure.



13. A pressure-atomizing liquid fuel burner installation comprising: a whirl-type atomizing burner having a vortex chamber, swirling ports for admitting liquid fuel into the vortex chamber in a direction to swirl therein, and a constricted outlet orifice; a conduit for supplying liquid fuel under pressure to said swirling ports; a viscosity regulator for varying the viscosity of fuel in said conduit; means for varying the pressure of liquid supplied through said conduit; and control means responsive to the pressure of fuel supplied through said conduit for controlling the operation of said viscosity regulator, said control means being arranged to increase the viscosity of the fuel as said pressure is increased.

2,579,216

TANNING AGENTS AND A PROCESS OF PREPARING THEM

Christoph Nikolaus Jakobus Thomsen, deceased, late of Taunus, Germany, by Gertrud Thomsen, administratrix, Kelkheim-Münster im Taunus, Germany, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt (Main), Hoechst, Germany

No Drawing. Application May 13, 1949, Serial No. 93,193. In Germany October 1, 1948

5 Claims. (Cl. 260—25)

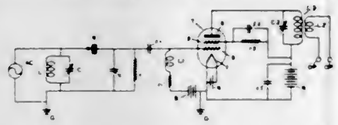
1. The products obtained by sulfonating a mixture of colophony and a naphthol at elevated temperatures, reacting a phenol alcohol with the product thus obtained and then causing formaldehyde to act at temperatures of about 90–100° C. upon the condensation product thus obtained, said products showing good tanning properties even at high pH values.

2,579,217

HARMONIC ELECTRICAL ALTERNATING-CURRENT GENERATION

Howard J. Tyzzer, Mountain Lakes, N. J., assignor to Ferris Instrument Laboratories, Boonton, N. J., a corporation of New Jersey

Application February 7, 1947, Serial No. 727,066
7 Claims. (Cl. 250—36)



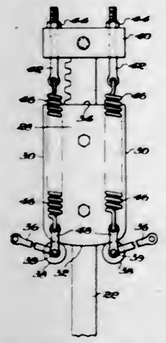
1. A frequency multiplier comprising a source of substantially sinusoidal alternating current of a fundamental frequency which it is desired to multiply to a particular harmonic frequency; means for producing periodic wave pulses of a duration substantially equal to one-half the period of said harmonic frequency, said means comprising a rectifier connected in series with a time constant circuit across said source, said time constant circuit being formed by a condenser and a resistor connected in parallel to one another, and a further condenser, an inductance, and further resistor coupled in series across said first resistor; and a class A amplifier coupled to said inductance and further resistor to be excited by said pulses, said amplifier having a resonant output circuit tuned to said harmonic frequency, whereby a substantially sinusoidal output signal of said harmonic frequency may be derived from said output circuit.

2,579,218

ADJUSTABLE LOADING DEVICE FOR VALVES AND THE LIKE

Frank M. Van Deventer, Westfield, N. J., assignor, by mesne assignments, to Walworth Company, New York, N. Y., a corporation of Massachusetts

Application September 29, 1948, Serial No. 51,798
2 Claims. (Cl. 74—527)



1. Restraining means for devices having a pair of relatively movable parts, comprising a thrust element adapted to be carried on one of said parts and having an edge bearing surface, said edge having two oppositely disposed elongated portions extending substantially parallel with each other in the direction of said relative movement and a relatively short connecting portion extending substantially normal thereto, a pair of engaging means each adapted for pivotal mounting on the other said part and to be positioned for cooperation with said bearing surface, and a pair of yieldable means adapted to be carried by the other said part and secured respectively to said engaging means, said yieldable means initially extending substantially parallel with each other and with said oppositely disposed portions for biasing said engaging means in one direction of said relative movement for maintaining said engaging means cooperable with said relatively short connecting portion and restraining said relative movement, said bias of said yieldable means being adapted to be overcome by said thrust element exerting force on said engaging means sufficiently to permit passage of said thrust element thereby during said relative movement and releasing said thrust element from further restraint by the subsequent positioning of said engaging means for cooperation with said oppositely disposed portions during said movement.

2,579,219

VINYL POLYMER COMPOSITIONS CONTAINING AS A PLASTICIZER AN ESTER OF A PENTAERYTHRITOL HYDROXYALKYL ETHER

Christy J. Vander Valk, Clifton, N. J., assignor to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 18, 1948, Serial No. 44,988
11 Claims. (Cl. 260—31.4)

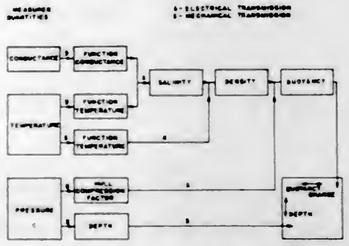
5. A vinyl chloride vinyl acetate copolymer resin containing a plasticizer consisting of a substituted pentaerythritol wherein each of the original hydroxyl groups of the pentaerythritol are replaced, at least three of the original hydroxyl groups of each mono-pentaerythritol group being replaced by an acylated hydroxyalkyl ether, and the remaining hydroxyl group being replaced by a radical selected from the group consisting of acylated hydroxyalkyl ether and acyl, all of the acyl groups hereof being derived from a fatty acid having 2–4 carbon atoms and the alkyl group containing 2–4 carbon atoms.

2,579,220

APPARATUS FOR INDICATING BALLAST CHANGES NECESSARY TO MAINTAIN SUBMERSED SUBMARINES IN TRIM

Allyn C. Vine, Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of the Navy

Application May 31, 1949, Serial No. 96,337
14 Claims. (Cl. 73—178)



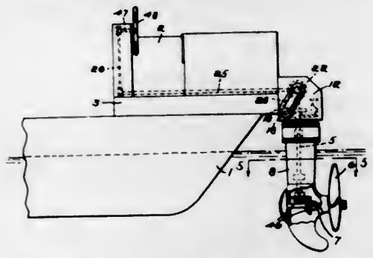
6. A computer for indicating ballast changes necessary to maintain a submersed submarine in trim comprising, means for measuring the temperature of the sea water surrounding said submarine, means for measuring the electrical conductivity of said sea water, means for combining the outputs of said temperature and conductivity measuring means for computing salinity as a function of the temperature of said sea water, means for combining said function of salinity with the output of said temperature measuring means for computing the density of said sea water, first pressure-responsive means for producing an output representative of the compressibility of the submarine hull at the depth of operation, means for combining the output of said first pressure-responsive means and the output of said density computing means to produce mechanical movement of an element representative of the buoyancy of said submarine, a second pressure-responsive means, and a chart movable in response to said second pressure-responsive means and cooperatively arranged with said element to indicate changes in ballast required to maintain said submarine in trim.

2,579,221

OUTBOARD PROPELLER MECHANISM

Arthur W. Wanzer, Quincy, Mass., assignor to Murray & Tregurtha, Inc., Quincy, Mass., a corporation of Massachusetts

Application January 3, 1949, Serial No. 68,817
1 Claim. (Cl. 115—18)



An outboard propeller mechanism comprising a main supporting element, a propeller-supporting member depending therefrom, a propeller shaft carried by said propeller-supporting member, a propeller mounted on said propeller shaft, a power shaft, a vertically extending drive shaft operatively connecting said power shaft and propeller shaft, said propeller-supporting member being turnable about a vertical axis relative to the main supporting member for steering the boat, steering mechanism for turning said propeller-supporting member including a worm gear mounted theeron coaxially therewith, a worm meshing with the worm gear and a friction drive connection between the worm gear and the propeller-supporting member which provides sufficient torque to turn the propeller-supporting member for steering the boat when the steering mechanism is operated but which slips and thus allows the propeller-supporting member to be turned about its axis relative to the worm gear and without disturbing the steering mechanism when the propeller is prevented from turning by striking an obstacle, and means separate from the steering mechanism to indicate the extent of any relative turning movement between the worm gear and said propeller-supporting member.

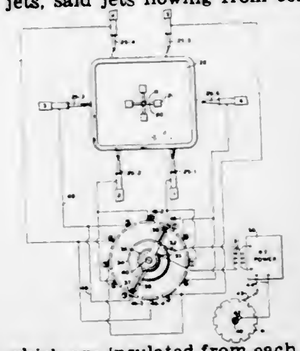
2,579,222

METHOD OF SEALING GLASS TO METAL

Marshall P. Wilder, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application August 30, 1950, Serial No. 182,284
3 Claims. (Cl. 49—81)

1. The method of sealing non-circular glass objects to metal objects of similar shape while held in a stationary position which includes the following steps; pre-heating the glass to a semi-conducting temperature; pre-heating the metal to a sealing temperature; applying high frequency alternating current electrical power to the glass portions to be heated by means of a plurality of burning gas jets, said jets flowing from conductive nozzles which are insulated from each other; and progressively moving the application positions of said electrical power from one nozzle to another in a rotary cyclic manner by means of a rotary commutator in a high frequency supply line and at the same time interrupting the power supply by means of a second rotary commutator in a low voltage supply line.

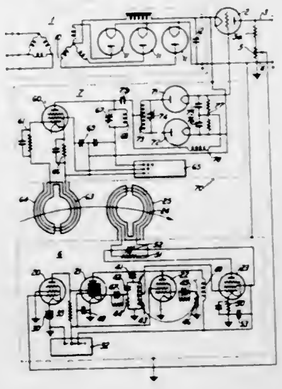


2,579,223

REGULATED POWER SUPPLY

William R. Baker, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application June 27, 1945, Serial No. 601,804
10 Claims. (Cl. 323—22)



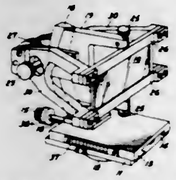
1. A regulated high voltage power supply comprising a source of high direct-current voltage, a pair of output terminals, a regulating tube including an anode and a cathode and a control grid connected between said high voltage source and one of said output terminals, an oscillator frequency modulated in response to the voltage between said output terminals, a discriminator network coupled to the output of said oscillator, the output of said discriminator network being connected between the control grid and the cathode of said regulating tube.

2,579,224
JOINTER FENCE ADJUSTMENT
William B. Boice, Toledo, Ohio, assignor to Boice-Crane Company, Toledo, Ohio, a corporation of Ohio
Application August 10, 1948, Serial No. 43,394
3 Claims. (Cl. 144—253)



2. In a jointer having a table, an adjustable fence movable and tiltable over said table, a tilt plate attached to one end of said fence, the improvement comprising: swingable stop means for limiting the tilt of said tilt plate, a pivot bearing for mounting said stop means on the periphery of said tilt plate, said bearing having an axis substantially radial to the axis of tilt of said tilt plate, a radially extending stop pin on the periphery of said tilt plate co-acting to limit the swing of said stop means to a position normal to the tilt plate whereby said stop means may abut against said table and said stop pin to limit the tilt of said fence, and means to clamp said tilt plate and fence in position.

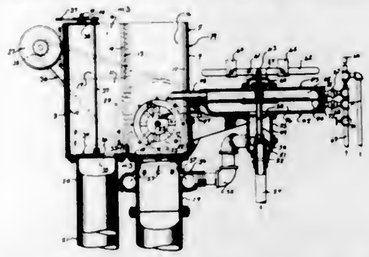
2,579,225
ADJUSTABLE SUPPORT FOR SPECTROMETER REFLECTORS
Lyle B. Borst and Richard J. Fox, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application September 20, 1946, Serial No. 698,340
8 Claims. (Cl. 88—73)



1. In a spectrometer system, means forming a reflecting surface for incident radiant energy, spaced pivot means engaging the center of opposite sides of said reflecting means for holding said reflecting means stationary along a central pivot axis, two spaced arms having end portions engaging opposite ends of said reflecting means over a short discrete distance, whereby the angular orientation of said arms controls the angular orientation of the engaged portions of the ends of said reflecting means, and manually adjustable means for rotating said arms equally in opposite directions in a plane which is perpendicular to the said pivot axis, whereby said reflecting means may be bent into a substantially cylindrical surface of adjustable radius of curvature.

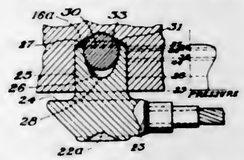
2,579,226
STOCK REGULATOR
Hervey G. Cram, Appleton, Wis., assignor to Combined Locks Paper Co., Combined Locks, Wis.
Application August 26, 1948, Serial No. 46,229
8 Claims. (Cl. 137—78)

6. In a device for regulating the delivery of stock to a paper-making machine of the type having a stock box provided with an inlet compartment and an outlet compartment; means for regulating the flow of dilution liquid to the inlet compartment in accordance with the differential of head of stock in the compartments comprising a casing, a diaphragm sensitive to changes in pressure in said casing dividing the casing into



an upper chamber and a lower chamber, means connecting the inlet compartment with one chamber and means connecting the other chamber with the discharge compartment, an inlet pipe for dilution liquid, and a valve secured to the diaphragm for controlling the flow of liquid through said pipe.

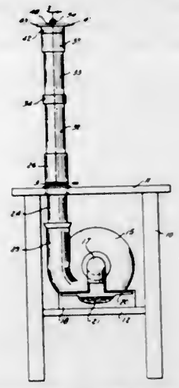
2,579,227
CONDUCTOR
Irving W. Edwards, Detroit, Mich.
Application July 16, 1945, Serial No. 605,319
7 Claims. (Cl. 287—20.3)



1. An electrical terminal adapted to be locked within a bore provided in a member to be connected with the terminal, said terminal comprising a head adapted to be driven, a stud protruding from the head and adapted to be inserted within the bore, a recess centrally located within the end of the stud remote from the head, a ball of harder material than the stud permanently anchored within the recess and only partially protruding from the end of the stud in the unexpanded condition of the stud so as to engage the base of the bore when the stud is inserted thereinto, the cross-section areas of the recess in the unexpanded condition of the stud progressively and uninterruptedly diminishing from the cross section substantially at the maximum diameter of the ball inwardly toward the head of the terminal and to a point spaced inwardly of the ball.

2,579,228
APPARATUS FOR SEPARATING PARTICLES OF DIFFERENT DENSITIES
Elmer L. Erickson, Brookings, S. Dak.
Application January 23, 1947, Serial No. 723,723
6 Claims. (Cl. 209—139)

4. In a method of classifying seeds, placing a quantity of the seed within the lower end of an open but screened column, forcing a gaseous medium upwardly into the lower end of the column, controlling the flow at the upper end of the column so that the velocity is sufficient to elevate light particles but insufficient to elevate fertile seeds, trapping the elevated lighter particles in a



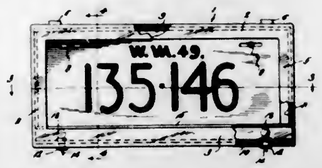
zone well above said lower end, and removing said particles and said fertile seeds separately for measurement and comparison.

2,579,229
PUSH-PULL HOE
Elmer L. Erickson and Albert N. Hume, Brookings, S. Dak.
Application December 10, 1948, Serial No. 64,676
1 Claim. (Cl. 97—68)



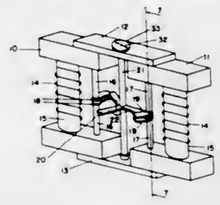
In a push-pull hoe, a head comprising an elongated twin blade unit wherein the blades are rigidly joined by narrow bridge elements at their ends, said blades inclined upwardly from their cutting edges toward each other and spaced apart sufficiently by said bridge elements to form an unbroken elongated gap through which loose soil but not weeds may pass downwardly, and an operating arch having its ends immovably secured to said bridge elements.

2,579,230
ILLUMINATED LICENSE PLATE FRAME
Joe W. Giboney, Spencer, W. Va.
Application April 13, 1949, Serial No. 87,291
1 Claim. (Cl. 40—132)



A license plate illuminating device comprising a frame open at its front and back and having upper and lower bars and end bars, said bars being of channeled formation and having outer walls and side walls and open inner sides presented inwardly of the frame, resilient clips carried by the upper bar and having bills projecting downwardly back of its rear side wall in position for overlapping engagement with an upper marginal portion of a license plate to removably support the frame in close fitting engagement with marginal portions of the front face of the said license plate and display the license plate through the open frame, strips of mirror mounted snugly within the bars against inner surfaces of the outer walls thereof, sockets mounted through the outer wall of the lower bar and the mirror therein, light bulbs mounted in said sockets, and a strip of transparent material removably mounted along the upper edges of the side walls of the lower bar, with its ends fitting snugly into lower ends of the end bars, said strip constituting a transparent inner wall for the lower bar disposed in shielding relation to the sockets and the bulbs.

2,579,231
ELECTROMAGNETICALLY OPERATED COUNTER
Harold D. Goldberg and Milton I. Goldberg, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application November 30, 1944, Serial No. 565,993
8 Claims. (Cl. 318—503)

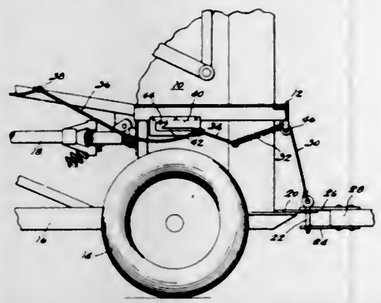


1. In a device for counting electrical impulses, a rotatable armature having three spaced cores of magnetic material, two separate electromagnets for producing stepwise rotation of the armature, and a switching circuit for alternately energizing the electromagnets, said switching circuit including a normally conducting negatively biased electron tube controlling energization of the coil of one electromagnet and a normally non-conducting and more negatively biased electron tube controlling energization of the coil of the other electromagnet, means responsive to a signal impressed upon the circuit for increasing the negative bias of the normally conducting tube until it cuts off, said tube thereby emitting a positive pulse and means for applying said positive pulse to the control electrode of the normally non-conducting tube to reduce the negative bias of the normally non-conducting tube until it becomes conductive.

2,579,232
VEHICLE HITCH ASSEMBLY
Charles W. Hansen, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application January 2, 1948, Serial No. 295
4 Claims. (Cl. 280—33.15)

1. A hitch for a vehicle having a frame which comprises an apertured hitch member, a clevis pin for insertion into said hitch member, a pull member secured to said clevis pin for withdrawal thereof from said hitch member extending to a point remote from said hitch member, a loop member forming a part of said pull member, a plate secured to said frame having a slot and holding notch providing a track receiving said

loop member, and a member including a resilient element also forming a part of said pull member operatively positioned between said clevis



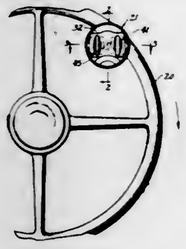
pin and said loop member, said pull member being relaxed when said loop is received in said slot and tensioned to clevis pin withdrawing condition when received in the said notch.

2,579,233

POSITION INDICATOR FOR VEHICLE STEERING APPARATUS

Robert E. Hiatt, Oak Lawn, Ill.

Application January 26, 1949, Serial No. 72,951
7 Claims. (Cl. 116—31)



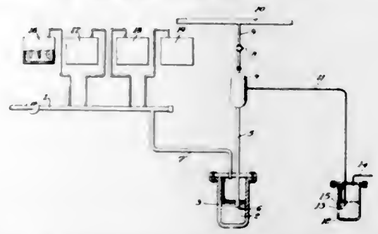
1. Index mechanism adapted for use with steerable vehicles having a steering wheel which is inclined from the horizontal, and wheels the respective axes of which may be shifted by turning said steering wheel, comprising: a member, means securing said member to said steering wheel, said member having an upper surface which is substantially parallel to the plane of said steering wheel when secured thereto, said upper surface having a spiral-shaped track therein, a shaft member projecting from said member at approximately the origin of said track, the axis of said shaft being substantially perpendicular to said upper surface of said member, a dial on said shaft rotatable relative to said member, a weight on said dial eccentric of said shaft, whereby said dial is held against turning, a pair of indicator shafts journaled in said dial and in substantially parallel alignment with said shaft member, a pair of indicators secured to said indicator shafts, respectively, and positioned on the side of said dial which faces away from said steering wheel, and a pair of crank members extending from said indicator shafts, respectively, adjacent to said spiral-shaped track, each of said crank members including a pin eccentric of its associated indicator shaft and engageable with said track to follow the convolutions thereof.

2,579,234

VACUUM SEAL FOR FLUORINE GENERATION SYSTEM

Deane O. Hubbard, Niagara Falls, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application February 4, 1946, Serial No. 645,469
8 Claims. (Cl. 204—247)



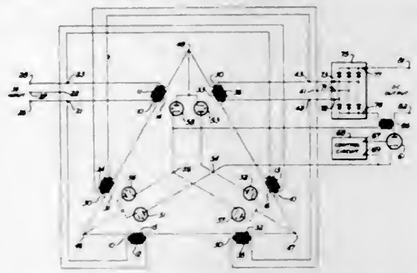
1. In an apparatus for electrolytically generating gaseous halogens in a generation zone and continuously and positively removing gases from said generation zone, means for preventing a vacuum in said generation zone in excess of a predetermined limit comprising a vacuum seal pot containing a predetermined quantity of sealant liquid, conduit means above the highest level of said sealant liquid for connecting said vacuum seal pot to said electrolytic gas generating apparatus, a pressure surge tank, means for maintaining a constant pressure in said pressure surge tank, and conduit means connecting said pressure surge tank to said vacuum seal pot and extending a predetermined distance into the sealant contained in said vacuum seal pot.

2,579,235

RECTIFIER SYSTEM

Quentin A. Kerns, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application October 20, 1950, Serial No. 191,303
8 Claims. (Cl. 321—18)



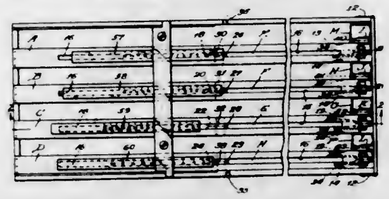
1. In a rectifier system having a first and second three-phase transformer with primary and secondary windings, the secondary windings of said first transformer being interconnected with the primary windings of said second transformer so that any current flow in the former flows through the latter, the combination comprising means connected to the primary windings of said first transformer for impressing a three-phase voltage, means connected to said interconnected transformer windings to provide current paths through a variable impedance in response to the instantaneous polarities of said three-phase voltage, means connected to said variable impedance for controlling the flow of current therethrough, and rectifier means connected to the secondary windings of said second transformer for developing a unidirectional output voltage.

2,579,236

MULTIPLE COLUMN MECHANICAL COUNTER

Frederick A. G. Koenig, Chicago, Ill., assignor to Anna C. Koenig, Chicago, Ill.

Application October 17, 1947, Serial No. 780,346
5 Claims. (Cl. 235—71)



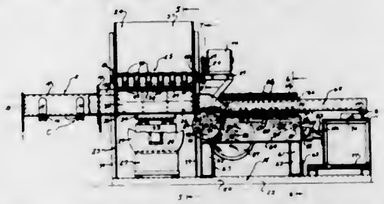
1. A mechanical counter for computing and indicating the aggregate value of a plurality of components included, in different percentages, in a predetermined quantity comprising separate totalizing and indicating means for each component, including, in each case, a fixed scale having graduations thereon of predetermined linear value and a pointer element movable a predetermined linear distance lengthwise of its associated scale to represent the individual value of its component, separate operating means for each pointer element, and an actuator comprising a plurality of measuring elements of different lengths and corresponding in each case to the value of the several components represented and adapted to impart concomitant measured movements to each of said pointer operating means, whereby the several pointer elements are moved distances along their associated scales corresponding to the effective lengths of said measuring elements.

2,579,237

WEIGHING AND PACKAGING APPARATUS

Edmund E. Lippmann and Arthur W. Lippmann, Milwaukee, Wis.

Application January 31, 1946, Serial No. 644,622
8 Claims. (Cl. 249—17)



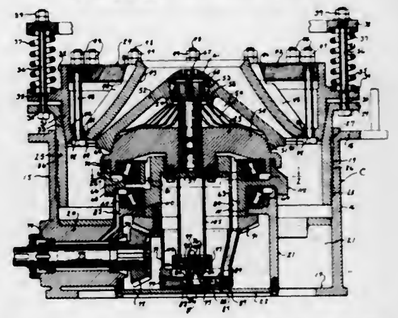
1. In a machine for filling cartons one after the other with an exact predetermined quantity of rod-like articles, comprising a trough-like bin of a shape in cross section corresponding to the shape in cross section of the cartons to be filled and open at both ends, a weighing scale supporting the bin, means for feeding the articles to the bin, means for leveling off and compacting the articles in the bin whereby the articles will conform to the cross-sectional configuration of the bin and carton, means for moving the articles out of the bin and into a carton, including a pusher member movable longitudinally of the bin and a motor for operating said member, and means starting the motor in operation including an electric circuit embodying the motor and a switch for closing the circuit through the motor actuated by the scale when the articles in the bin reach a predetermined weight.

2,579,238

GYRATORY CRUSHER

Arthur W. Lippmann, Milwaukee, Wis., assignor to Lippmann Engineering Works, Milwaukee, Wis., a partnership

Application April 28, 1948, Serial No. 23,799
9 Claims. (Cl. 241—215)



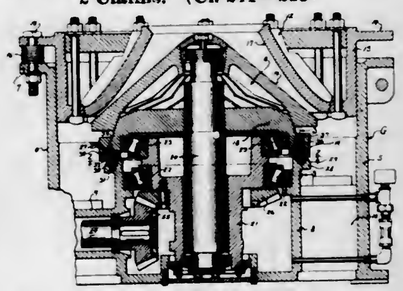
1. In a gyratory crusher, a frame, a bowl supported on the upper end of said frame having a crushing shoe, a crushing head disposed in said shoe, means for gyrating said head including a drive sleeve, means for rotating said sleeve, means including an annular bearing for supporting the sleeve on the frame, means permitting free rotation of the sleeve relative to the crushing head including a bearing between the sleeve and head eccentrically disposed relative to the vertical axis of the bowl, and means for sealing said bearings against debris, including an outwardly extending flange on said sleeve arranged between said bearings, a collar on the periphery of the flange extending above and below the flange, the lower portion of the collar over-hanging a part of the frame, sealing means between the collar and said part of the frame, and sealing means between the collar and the crushing head.

2,579,239

GYRATORY CRUSHER WITH MATING FRICTION AND DRAG RINGS ON HEAD AND INNER SHELL

Arthur W. Lippmann, Milwaukee, Wis., assignor to Lippmann Engineering Works, Milwaukee, Wis.

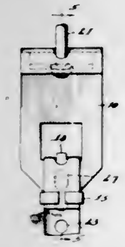
Application October 22, 1948, Serial No. 55,843
2 Claims. (Cl. 241—215)



1. In a gyratory crusher, a frame including an outer main wall and an inner shell wall, a crush-

ing concave carried by the main wall, a driven sleeve in said inner shell wall, means for driving said sleeve, a crushing head located in said concave, a bearing carried by the inner shell wall rotatably supporting the sleeve, a bearing between said sleeve and said head, said head having a depending annular rib and said inner shell wall having an upper annular rib, said ribs being grooved, mating bearing and friction drag rings mounted against rotation in said grooves having flat smooth engaging faces, and means resiliently urging one ring toward the other.

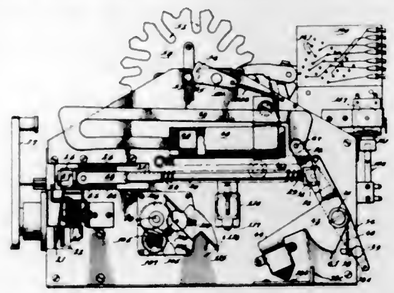
2,579,240
TANK HANGER
William J. Masoner, Chicago, Ill.
Application October 13, 1947, Serial No. 779,549
1 Claim. (Cl. 248—317)



In tank hanger construction, the combination of a flat plate having laterally extending spaced ears at its lower end and a reversely bent flange at its upper end forming a downwardly opening, curved pocket, the ears and flange extending from the same side of the plate, the flange including an elongated aperture, a swivel block rockable in the pocket and having fastening means extending through the elongated aperture for attaching the plate in depending relation to a support, the plate including an opening therethrough and having a tooth extending into the opening from the lower portion thereof, and a tank carrying, flat strap having a reversely bent end providing opposed portions on opposite sides of the plate and extending downwardly from the tooth, the bent portion of the strap being apertured to receive the tooth for locking engagement therewith, one of the opposed portions being clamped against the plate by the ears.

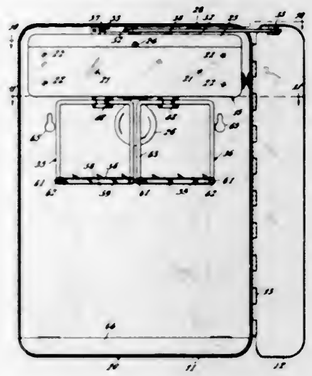
2,579,241
PERMUTATION AND COMBINATION MECHANISM
Frank G. Nicolaus, Chicago, Ill., assignor to Raymond T. Moloney
Application June 27, 1947, Serial No. 757,370
31 Claims. (Cl. 74—469)

1. Mechanism of the class described including, in combination with a rotatable selector disc, a spinning pawl oscillable to spin said disc, a selector pawl movable to engage selection formations on the disc in arresting the latter, a main shaft adjacent said pawls, means for oscillating said shaft first in setting motion then reversely in tripping motion, a compound lever system driven from said shaft and common to said pawls and including a toggle and spring means set for retracting the selector pawl during setting motion of the main shaft and automatically released for advancing said pawl selectively following tripping motion of said shaft, lever and spring means actuated responsive to tripping motion of said shaft for spinning said disc, a trigger coacting with said main shaft and set thereby during setting thereof to hold said toggle and spring means in set condition, trigger-release



means actuated under control of the main shaft during tripping motion thereof to release the said held toggle and effect selecting motion of the selecting pawl, and circuit selecting means actuated by said selector pawl dependently upon selecting displacements thereof determined by said selector disc.

2,579,242
GERMICIDAL CABINET
Stanley J. Pask, Flushing, N. Y., assignor to Stanley J. Pask Associates, Inc., New York, N. Y., a corporation of New York
Application March 10, 1949, Serial No. 80,638
5 Claims. (Cl. 250—51)

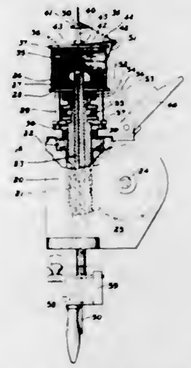


1. A germicidal cabinet having a door opening, a door normally closing said opening and movable to an open position to afford access to the interior of said cabinet, a germicidal lamp within said cabinet, a compartment within said cabinet, power control means for said lamp mounted within said compartment, a pair of spaced vertical shafts rotatably mounted in said compartment and extending outwardly through one wall of said compartment, intermeshing gear members carried by each of said shafts within said compartment, an operating lever connected to one of said shafts, a link interconnecting said lever and said door, and an article supporting rack carried by the outwardly extending end of each of said shafts for movement therewith.

2,579,243
METHOD FOR THE PRODUCTION OF RADIOACTIVE ISOTOPES
Allen F. Reid, New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application April 13, 1945, Serial No. 588,257
3 Claims. (Cl. 204—154)

2. A method of producing radioactive isotopes which may be derived from the metaborates of the group of the alkali metals and the alkaline earth metals, which comprises bombarding a target having a layer of a metaborate of an element of said group bonded to a heat-conductive base, with a stream of high-velocity, subatomic particles.

2,579,244
MEANS FOR APPLYING WOUND COVERING TO ELASTIC THREAD
Anton G. Seifried, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Original application December 12, 1946, Serial No. 715,881. Divided and this application April 8, 1950, Serial No. 154,779
2 Claims. (Cl. 57—15)

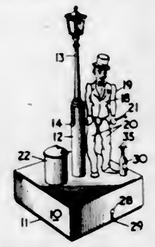


1. Apparatus for simultaneously winding coverings about a plurality of elastic threads, said apparatus comprising an elastic thread supply, a plurality of fliers, wind-up means for drawing elastic thread from said supply through said fliers and rewinding it, positive driving means for supplying power at the same velocity to all said fliers, and clutch means at each flier on said driving means for engaging and disengaging the flier individually with said driving means, said clutch means comprising a friction clutch initially engageable with said flier to accelerate the velocity of the flier to normal speed, and a positively engageable clutch subsequently engageable with said flier at such normal speed to maintain equal velocity of said fliers during continued operation.

2,579,245
PROCESS FOR PREPARING NUTS FOR BLANCHING
John Steiner, Chicago, Ill., assignor to The Kelling Nut Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application December 3, 1947, Serial No. 789,551
6 Claims. (Cl. 146—227)

1. A process for preparing nuts for blanching consisting of embrittling the skins of the nuts by slightly moistening the skins of the nuts by mildly steaming the skins and surfaces of the nuts from 1 to 3 minutes with steam at substantially 212° F. and then promptly and rapidly drying the moistened skins by rapidly heating the skins and surfaces of the nuts for 5–20 minutes at a temperature between 260° and 290° F.

2,579,246
MOVING FIGURE TOY
Myer Zang, London, England
Application November 21, 1949, Serial No. 128,507
In Great Britain December 6, 1948
2 Claims. (Cl. 46—119)

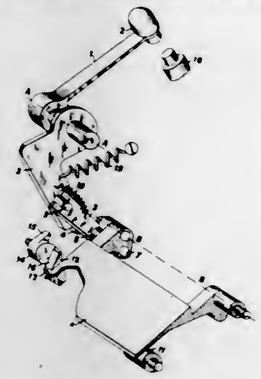


1. In a moving figure toy the combination comprising a hollow base, a hollow support mounted on and extending upwardly from said base, a shaft rotatably mounted in said support and having one end projecting from said support, a jointed figure having a member secured to the projecting end of the said shaft, said member being pivotally connected to the body of said figure and said figure comprising additional members loosely jointed to said body, engagement means on at least one loosely jointed member of said figure, a slidable manually-operable control element partly projecting from said hollow base, a flexible driving filament having one end operatively connected to said control element, said filament passing up inside said hollow support and around said shaft and down inside said support, resilient tensioning means mounted within said base applying tension to the second end of said driving filament, a movable object capable of standing on said base, engagement means on said movable object engageable by said engagement means on said figure, a flexible tension member having one end secured to said movable object, said tension member passing through an aperture in the top of said base, and means for tensioning said tension member and automatically returning said movable object to its position on said base.

2,579,247
MIRROR OPERATING DEVICE FOR REFLEX CAMERAS
Pierre Angénieux, Saint-Heand, France
Application June 24, 1948, Serial No. 35,016
In France March 20, 1948
3 Claims. (Cl. 95—42)

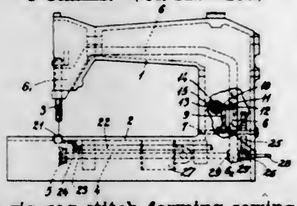
1. A device for removing the viewfinder mirror in reflex photographic cameras provided with a shutter-release member comprising a hinge about which said mirror can be swung into either of two positions in which the optical axis of the camera lens is intercepted or cleared respectively, a pair of stops on either side of the mirror adapted to keep it in its light-intercepting position, one of said stops being fixed while the other can be moved to release said mirror, a trigger rockable

to a position of rest away from both the shutter release member and said movable stop and adapted as it is actuated to engage at first said movable stop and then said shutter release member, a spring connecting said trigger with said mirror and disposed at rest in such manner that said spring urges said mirror against said movable stop and that the stress on said spring is



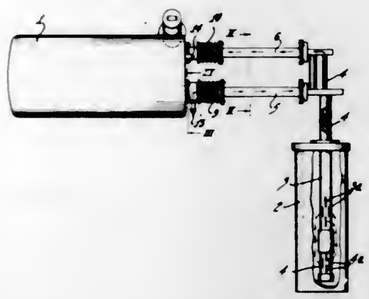
increased as the trigger is moved away from its position of rest, whereby when the trigger is moved from its position of rest, the spring is progressively stressed while the mirror is fixedly maintained by said movable stop, which in turn is moved progressively away from the mirror by said trigger until it leaves said mirror and causes the same to pivot suddenly away from the optical axis, the shutter release member being then actuated.

2,579,248
SEWING MACHINE
Arnljot Austlid, Oslo, Norway
Application January 18, 1947, Serial No. 722,814
In Norway January 22, 1946
5 Claims. (Cl. 112—159)



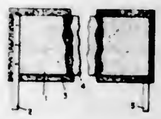
1. In a zig-zag stitch forming sewing machine comprising a base; a machine body on said base; and a horizontal looper shaft mounted in said base for reciprocation in a horizontal direction, the combination of a needle bar arranged partly within the machine body and depending toward said base; an elongated bail located within said machine body having an integral depending portion projecting into said base and mounted for horizontal reciprocation; an enlarged end portion upon the elongated bail in which the needle bar is slidably mounted for vertical movement, the depending portion of said bail having a bearing hole for supporting said looper shaft in order to allow the latter to extend through said bail; means upon said looper shaft engaging with said bail at both ends of the bearing hole therein for preventing axial displacement of said looper shaft with respect to said bail; and operating means for reciprocating said bail in the horizontal direction and thereby oscillating the bail together with said needle bar and said looper shaft.

2,579,249
PRESSURIZED RADIO SYSTEM
Waldon P. Bollinger, Haddon Heights, N. J., Frederick A. Fuhrmeister, Havertown, Pa., and Justin E. Hill, Jr., Moorestown, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 30, 1946, Serial No. 665,964
3 Claims. (Cl. 250—13)



1. In ultra high frequency radio apparatus the operating characteristics of which may be adversely affected by the presence of moisture and/or a sub-atmospheric ambient, said apparatus including a signal generator and an antenna, separate gas-tight casings in which said signal generator and said antenna are respectively mounted, a plurality of hollow transmission lines electrically connected to said generator and said antenna and communicating with the interior of said casings in gas tight relation therewith to provide a gas-tight system through which a gaseous medium may be circulated between said generator casing and said antenna casing for the purpose of freeing said radio apparatus of moisture, an inlet valve for introducing a gaseous medium under pressure into said system at one end of said path, and an outlet valve at the other end of said path for removing moisture and excess gas from said system.

2,579,250
ELECTROLYTIC CONDENSER FOR USE ON ALTERNATING-CURRENT DEVICES
Robert M. Brennan, Cleveland, Ohio
Application June 3, 1948, Serial No. 30,998
6 Claims. (Cl. 175—315)

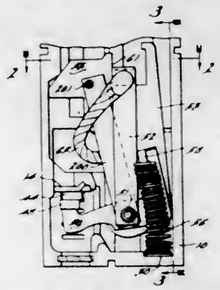


1. An alternating current capacitor comprising porous particulate flexible film forming perforate interfacially permeable electrodes and a film forming conductive electrolyte therebetween and therein of substantially equal amount for adjacent equal areas of opposite electrodes, which electrodes will transmit light therethrough and have within 10% the same total active internal and external areas, each electrode being less than .011" in thickness.

2,579,251
MANUFACTURE OF ALUMINUM ALKOXIDES
Arnold C. Coates, Hillingdon, and Leonard Saunders, Loudwater, England, assignors to The British Aluminum Company Limited, London, England, a company of Great Britain
No Drawing. Application January 25, 1949, Serial No. 72,764. In Great Britain January 27, 1948
17 Claims. (Cl. 260—448)

8. A method of preparing an aluminum alkoxide which comprises reacting together an alcohol in the vapour state and a comminuted material containing aluminum in the metallic state in the presence of one of the catalysts boron trioxide and anhydrous cupric chloride.

2,579,252
CIRCUIT BREAKER
Lawrence E. Fisher, Detroit, Mich., assignor to BullDog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application February 5, 1945, Serial No. 576,171
3 Claims. (Cl. 200—116)



1. In an overload release circuit breaker, a fixed contact, a movable contact, a member carrying said movable contact and mounted to move the latter into and out of engagement with said fixed contact, means urging said member in a direction to separate said contacts, a bimetallic latching element secured to said member, an abutment arranged normally to block contact-opening movement of said latching element and said member, said latching element being in circuit with said contacts to be warped free of said abutment upon passage of an overload current, means urging said latching element in the direction of increased overlap with respect to said abutment, and a bimetallic ambient-temperature compensating element arranged adjacent said latching element and disposed to contact the same so as to maintain constant the amount of overlap between said latching element and said abutment irrespective of changes in ambient temperature.

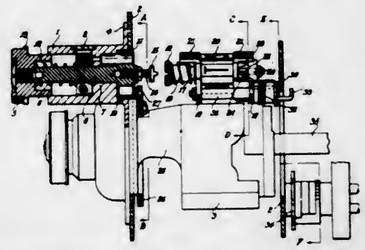
2,579,253
VISIBLE INDEX FILING BINDER
Ira Fogel, New York, N. Y.
Application March 7, 1945, Serial No. 581,518
2 Claims. (Cl. 129—9)

1. In a device of the kind described, a folder having top and bottom cover members hingedly connected to each other, an elongated plate fastened to the bottom cover member adjacent to and along the hinge line, spaced right-angled hooks on said plate for hingedly mounting a plurality of perforated sheets in superimposed positions on the bottom cover with their bottom margins visible, an elongated longitudinally and transversely movable plate adjacent to said fastened plate, right-angled hooks on said movable plate spaced a distance equal to the distance between the hooks on the fastened plate and means of connection between said plates including a



substantially triangular shaped plate pivotally mounted adjacent each end of the fixed plate, each of said pivoted plates having an elongated transverse slot and a pin at each end of said movable plate extending through the slot in one of said pivoted plates.

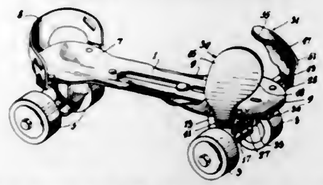
2,579,254
TICKET PRINTING AND ISSUING MACHINE
Harold Francis Ford, Cirencester, England, assignor to T. I. M. (Ticket-Issue Machines) Limited, Cirencester, England, a British company
Application August 11, 1949, Serial No. 109,687
In Great Britain September 23, 1947
1 Claim. (Cl. 101—66)



In combination with a ticket printing and issuing machine having a walled casing with a printing mechanism therein including a rotatable printing element and actuatable parts for operating the printing element at desired intervals with the printing element in a predetermined position of rest when not in operation, a nonadjustable printing die having spaced apart printing portions mounted on brackets on the rotatable printing element, a spindle rotatably and endwise movably mounted on said brackets on an axis parallel with the axis of rotation of the printing element, a printing die having optional printing faces around its periphery carried on and rotatable by said spindle between the spaced apart printing portions and having the spindle endwise axially movable therethrough, a clutch part on an end of the spindle adjacent to a wall of the casing, a spring normally resiliently holding said spindle with the clutch end extended, locking means operative when the spindle is thus extended to hold the printing die with a desired printing face in

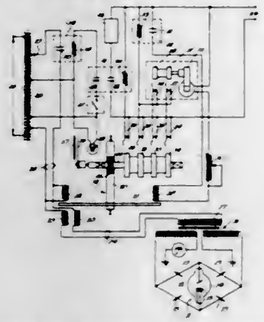
printing position, said casing having an opening through a wall thereof adjacent to and axially aligned with the clutch end of the spindle when the rotatable printing element is in a position of rest, a cylindrical housing secured to the casing and extending outwardly around the opening, a setting spindle endwise movably and rotatably mounted in the cylindrical housing and thus axially aligned with the die carrying spindle when the printing element is in the position of rest, a setting knob fixed on the outer end of the setting spindle, a mating clutch part on the inner end of said setting spindle, a spring normally endwise resiliently retracting said setting spindle to an outwardly extended relation with the mating clutch in a declutched position and yet allowing inward endwise movement to engage said mating clutch with the clutch of the die carrying spindle, said setting spindle carrying indicating markings corresponding to the characters of the printing die, a perforated disc fixed on the inner end of the setting spindle having perforations thereof registering with the setting markings, an annulus carried by the rotatable printing element adjacent to the perforated disc with its peripheral edge overlying and stopping inward movement of the setting spindle, said annulus having a recess at one point in the peripheral edge thereof substantially aligned axially with the die carrying spindle thereby clearing the perforated disc for manual inward movement of the setting spindle to allow engagement of the clutches when the printing element is in the position of rest, and a pin extending from said housing received in a perforation of the disc holding said setting spindle against rotation until the setting spindle is moved endwise inwardly to engage the clutch parts and move the die carrying spindle endwise to release the locking means thereof with the pin entering a perforation of the disc and thus locking the setting spindle against rotation prior to subsequent disengagement of the clutch parts, and said spring then returning the setting spindle endwise outwardly to a declutched position and with the perforated disc withdrawn outwardly through the recess of the annulus to clear the printing element for rotation.

2,579,256
SKATE CLAMP
Benjamin Giudice, Brooklyn, N. Y.
Application March 11, 1949, Serial No. 80,867
6 Claims. (Cl. 280—11.32)



1. In a skate of the type adapted to be removably secured on the shoe of the wearer, the combination therewith of two separate clamping members disposed respectively at opposite sides of the skate and supported by said skate for movement of said members generally parallel to said sole of the shoe transversely of the length of the skate, said clamping members each having a part extending upwardly with respect to and adapted to engage the adjacent side edge of the sole of the shoe and having a spoon portion extending upwardly from said part over and about the toe portion of the shoe and leaving the forward part of said toe portion unobstructed to project forwardly of said clamping members, said spoon portion of said clamping members being shaped to conform when said part engages said side edge of the sole of the shoe substantially to the contour of the toe portion of the shoe which extends over and about the foot of the wearer adjacent and forwardly of the ball of the foot, said spoon portion having a substantial surface extent for contact with said toe portion for distributing the clamping pressure thereof upon said toe portion of the shoe, and means for concomitantly effecting movement of said oppositely disposed clamping members toward and away from each other transversely of the length of the skate to move said clamping members into and out of clamping position with respect to the shoe.

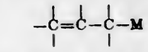
2,579,255
ELECTRICAL PROTECTIVE SYSTEM
Donald E. Graves, Milwaukee, Wis., assignor to General Electric Company, a corporation of New York
Application December 13, 1949, Serial No. 132,787
10 Claims. (Cl. 250—103)



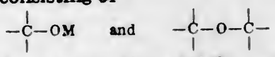
1. A protection system for a power operated heat generating device comprising the combination, with power supply means for delivering heat generating power to the device, of a motor and electrical connections with said power supply means for driving the motor in one direction from a zero or datum position, in proportion to the delivery of heat generating power to the device, a plurality of reverse driving circuits for controlling the operation of the motor in the opposite direction, toward said datum position, including a rapid drive circuit and a relatively slower driving circuit, means for placing said rapid drive and relatively slower driving circuits in controlling relationship with respect to the motor, respectively, when the motor is displaced from datum position beyond and within a selected circuit control position of displacement, and means controlled by said motor in a predetermined displaced position for disabling said power supply means.

2,579,257
ALKALI METAL DISPERSIONS
Virgil L. Hansley, Niagara Falls, and Willard John P. Hilts, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 17, 1949, Serial No. 81,874
22 Claims. (Cl. 252—309)

1. A composition comprising a dispersion of finely divided alkali metal particles in an inert organic liquid having a boiling point above the melting point of said metal and containing 0.1 to 25% by weight of a complex addition compound resulting from the reaction between (1) an alkali metal alkoxide of the formula MO—R wherein M is an alkali metal and R is from the group consisting of aliphatic, cycloaliphatic and aromatic radicals; and (2) an alkali metal organic compound having at least one residue of the structure

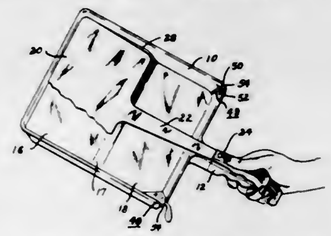


wherein M is an alkali metal, the ratio of the total number of carbon atoms to alkali metal atoms in said addition compound being 2-8:1, all oxygen atoms present in said addition compound being present as part of a residue from the group consisting of



said addition compound containing only carbon, hydrogen, oxygen, and alkali metal.

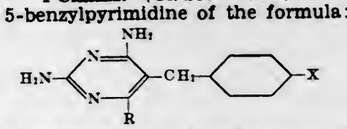
2,579,258
GRILL-SPATULA ASSEMBLY
Frederick W. Heckert, Dayton, Ohio
Application April 9, 1948, Serial No. 19,899
1 Claim. (Cl. 99—349)



In a cooking utensil, a grill including an offset transversely dividing the bottom of the grill from side to side so as to form two cooking portions arranged at different levels, one of which is a depressed cooking portion on the one side of said offset, the other of which is an elevated cooking portion inclined away from the depressed portion on the opposite side of the offset, a handle secured to said grill, and a lid-spatula adapted to fit down into one of said portions and having a handle secured thereto by means of a flexible stem, said first and second named handles having interengaging guide surfaces provided thereon for preventing relative movement between said handles in a sidewise direction but allowing relative movement longitudinally.

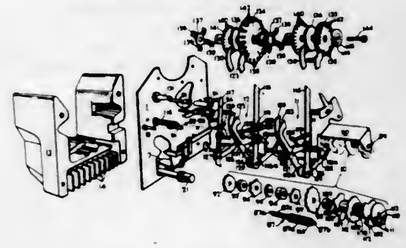
2,579,259
2,4-DIAMINO-5-BENZYLPYRIMIDINES 2
George H. Hitchings, Tuckahoe, and Elvira A. Falco, New Rochelle, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York
No Drawing. Application September 26, 1950, Serial No. 186,915
4 Claims. (Cl. 260—256.4)

1. A 5-benzylpyrimidine of the formula:



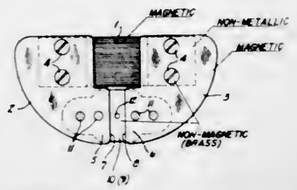
where X is selected from the class consisting of the chloro, bromo and nitro groups and R is selected from the class consisting of hydrogen and the methyl radical.

2,579,260
TIME SWITCH
William Francis Horgan, New Malden, England
Application December 27, 1945, Serial No. 637,419
In Great Britain January 9, 1945
5 Claims. (Cl. 200—38)



5. A time switch comprising a clock-driven dial carrying a plurality of actuators and adapted to be rotated once in each of a given number of like periods of time, an actuating mechanism operated by each of the actuators in turn, a preset selector having a plurality of controlling positions through which it is adapted to be displaced stepwise, the number of such positions being the product of the number of like periods of time and the number of actuators, means actuated by the actuating mechanism to effect a stepwise displacement of the pre-set selector for each operation of the actuating mechanism, selector-controlled means arranged to place the actuating mechanism in an inoperative condition for certain operations thereof as determined by the pre-setting of the selector, and a control device actuated only by those operations of the actuating mechanism which are effected while the said mechanism is in an operative condition.

2,579,261
MAGNETIC SHUNT FOR U-SHAPED METER CORES
Josef Indergand, Baar, Switzerland, assignor to Landis & Gyr, A. G., a corporation of Switzerland
Application February 5, 1948, Serial No. 6,502
In Switzerland May 11, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 11, 1959
2 Claims. (Cl. 171—264)



1. In combination in an induction measuring apparatus, a U-shaped current core having at least one air gap, pole plates secured to said core at the poles of said core, a shunt plate connected to and bridging an air gap between said pole plates, non-metallic spacing elements between the pole plates and the core, and a non-magnetic spacing member between the shunt plate and pole plates at the air gap, said

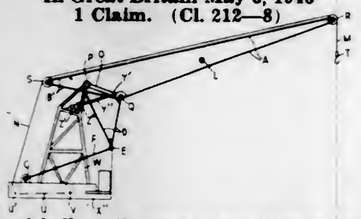
pole plates both extending to one side of the core and towards each other to provide an air gap between their adjacent edges, the air gap being relatively large with reference to the space provided by the non-magnetic spacing elements whereby the shunt plate is saturated at heavy current loads and subetantially no lines of force run between the pole plates at the air gap.

2,579,262

LEVEL LUFFING JIB CRANE

Ignatius Kay, London, England, assignor to The Wellman Smith Owen Engineering Corporation Limited, London, England, a company of Great Britain

Application April 30, 1947, Serial No. 745,033
In Great Britain May 3, 1946
1 Claim. (Cl. 212—8)



A level luffing jib crane comprising a supporting frame, a balanced jib, a hoisting pulley at the load-carrying end of the jib, a first counter-loading pulley at the end of the jib remote from the load carrying end and so disposed that a line joining its axis to a point along the length of the jib located between the centre of gravity of the latter and the hoisting pulley is canted upwards through a predetermined angle α with relation to a line joining the said point to the axis of the said hoisting pulley, a pivot for the jib located between the said ends thereof, a second counter-loading pulley so located on the supporting frame beneath and rearwards of the first counter-loading pulley that a line joining the axes of the counter-loading pulleys will make the angle α with the vertical, a winding drum on the said frame, a hoisting rope passed over said hoisting pulley and over said first and second counter-loading pulleys and attached to the said winding drum, the number n of parts of the said rope at the load-carrying end of the jib bearing the same ratio to the number n_1 of parts of the said rope at the other end of the jib as the distance between the said point of the jib and the said other end bears to the distance between the said point and the load-carrying end of the jib, means mounting the jib-pivot on the said frame for arcuate movement about a point thereon, a rigid part on the jib extending at an angle downwards away from the longitudinal axis of the jib with its upper end proximate to the jib-pivot and its lower end spaced from the said jib-pivot by approximately the distance between the latter and the first counter-loading pulley, means connecting the lower end of the said jib-part to the frame for movement substantially along a line joining the said lower end and the point on the frame about which the jib-pivot moves, and means for luffing the jib and thereby simultaneously producing displacement of both the jib-pivot and the lower end of the said jib-part so that the said point in the length of the jib moves along a path inclined upwards and rearwards to the horizontal at an angle β which is equal to

$$\frac{n_1}{n+n_1}\alpha$$

and the first counter-loading pulley moves along the line joining the axes of the two counter-loading pulleys, the centre of gravity of the jib thereby being constrained to move horizontally.

2,579,263

COT

Curt W. Kroha, Fort Walton, Fla.

Application September 8, 1950, Serial No. 183,815
5 Claims. (Cl. 5—115)



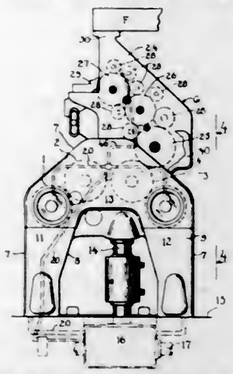
5. A folding cot comprising a longitudinally extensible frame including parallel side members connected together; a row of eyelets longitudinally spaced when the frame is extended and fixed along each side member near the top thereof, the eyelets of each row facing inwardly of the frame; a fabric sheet suspended at its ends on said frame and adapted to be stretched lengthwise when said frame is moved into extended position, and said sheet having along each side a series of pairs of longitudinally spaced grommeted holes, the mid-points of the distances between the holes of each pair lying opposite an eyelet; and tensioning means comprising pairs of tension springs, the springs of each pair having their outer ends fixed in an eyelet and their inner ends respectively fixed in one hole of each associated pair of holes.

2,579,264

ROTARY PRINTING MACHINE FRAME STRUCTURE

Frederick Lamatsch, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application January 28, 1947, Serial No. 724,782
4 Claims. (Cl. 101—180)



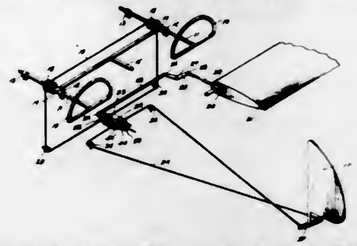
4. In a printing press, a printing unit comprising frames supporting the bearings for a printing couple comprising an impression cylinder and a printing cylinder disposed below and to one side thereof, bearing caps for the printing couple, the said bearing caps comprising parts removable to form recesses, and an added color attachment comprising frames supporting bearings for a printing cylinder and adapted to fit into the recesses and be attached to the printing couple bearing caps and to be supported thereby while holding a printing cylinder in printing relation to the impression cylinder of such printing couple.

2,579,265

AIRPLANE RUDDER AND AILERON CONTROL

Raymond A. Lander, Jr., Rochester, N. Y.

Application August 1, 1947, Serial No. 765,326
1 Claim. (Cl. 244—83)



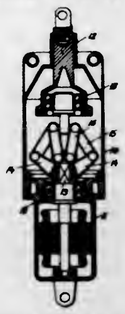
A control system for an airplane including a vertical pin affixed to the airplane, a horizontally extending plate pivotally mounted upon said pin, an arm pivoted at its forward end to said pin and extending rearwardly beneath said plate, a rudder for said airplane, a cable interconnecting the rear of said arm with said rudder, a revoluble control column for said airplane, a cable movable by the turning of said column and connected with the forward end of said plate to oscillate the same about said pin, a latch on the underside of the plate, a forwardly extending rod affixed to the forward end of said arm and releasably engageable in said latch, rudder pedals for said airplane, and cables interconnecting the forward end of the rod with said pedals whereby independent movement of the latter will disengage the rod from said latch.

2,579,266

CENTRIFUGAL ACTUATOR

Heinrich Lange, Hamburg, Germany

Application October 12, 1949, Serial No. 120,874
In France July 12, 1948
6 Claims. (Cl. 74—25)



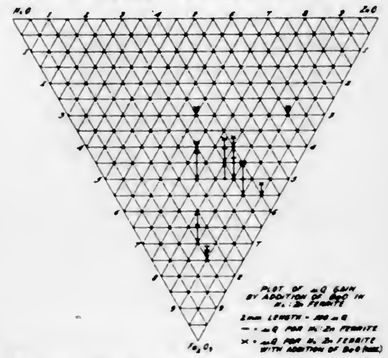
1. Actuating device for the operation of brakes, clutches, or the like, comprising a casing, a shaft journaled in one wall thereof, an actuating rod slidably mounted in the opposite wall thereof co-axial with said shaft and adapted to be connected to the part which is to be actuated, a member arranged between and aligned with said shaft and said rod and rotatably connected with the latter, an electric motor of a constant speed type mounted on said casing to drive said shaft and a centrifugal link mechanism carried by said shaft and linked to said member and adapted, when accelerated by said electric motor, to axially displace said member causing the latter to push said actuating rod in outward direction, the motor being free from any driving connection except that with said shaft.

2,579,267

MATERIAL HAVING IMPROVED MAGNETIC PROPERTY

Humboldt W. Leverenz and Imre J. Hegyi, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application December 31, 1947, Serial No. 795,046
9 Claims. (Cl. 252—62.5)



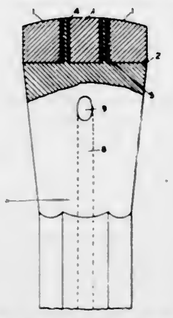
1. A composition of matter comprising the reaction product produced by heating together in a non-reducing atmosphere at temperatures of 900° C. to 1500° C. for 1 minute to 5 hours an intimate mixture of from 30 to 70 mole percent Fe_2O_3, 0.2 to 50 mole percent BeO, and the remainder comprising at least 20 mole percent one other oxide from the class consisting of the oxides of manganese, zinc, magnesium, nickel, cadmium and copper.

2,579,268

ROCK DRILL BIT HAVING HARD INSERTS FORMING CUTTING EDGES

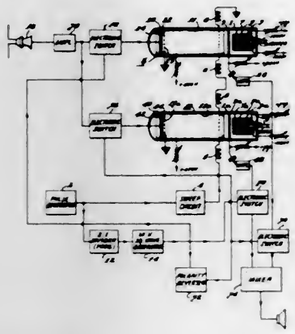
Johannes Andreas Smuts Malherbe, Delville, Germiston, Transvaal, Union of South Africa

Application August 28, 1947, Serial No. 771,095.
In the Union of South Africa December 27, 1946
1 Claim. (Cl. 255—61)



A rock drill bit shaped to have a cutting edge approximately at right angles to the axis of the bit, true cylindrical recesses formed in the face of the bit having their axes substantially parallel with the axis of the bit and their centres located on the cutting edge of the bit, said recesses having flat bottoms, true parallel flat bottomed cylinders of tungsten carbide filling said recesses with their tops projecting from said recesses and shaped to conform to the cutting edge of the bit and the walls of said recesses at the ends of the cutting edge of the bit meeting the periphery of the bit.

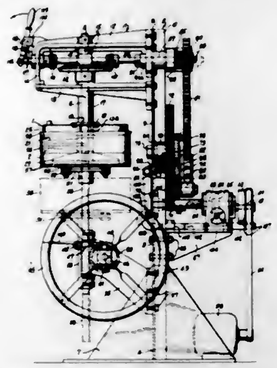
2,579,269
DELAY DEVICE
Max H. Mesner, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1948, Serial No. 18,119
4 Claims. (Cl. 178—44)



1. Apparatus for delaying an input signal for a predetermined period of time before applying said signal to a utilization circuit comprising means for generating pulses of energy having a periodicity equal to said predetermined delay period, means responsive to said pulses for generating a square wave, each half cycle of which is equal in length to said delay period, means for applying spaced portions of said signal to a first storage tube and for applying other spaced portions which alternate with said first mentioned portions to a second storage tube, means responsive to the output wave of said square wave generating means for controlling said means for applying to said storage tubes said sets of signal portions, means included in each of said storage tubes for delaying each of said signal portions for a period equal to said predetermined delay period, and means for receiving and mixing each of said delayed sets of signal portions such that a substantially continuous output wave pattern of said input signal is obtained.

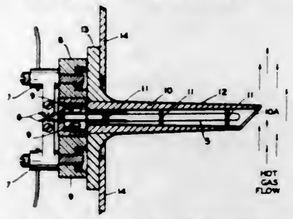
2,579,270
LUGGAGE REINFORCING MACHINE AND METHOD
Robert H. Plass, Upper Montclair, N. J., assignor to The Daisy Products, Inc., New York, N. Y., a corporation of New York
Application June 26, 1948, Serial No. 35,476
33 Claims. (Cl. 93—36)

13. A machine of the class described, including a mandrel consisting of two members having spaced-apart mutually presented rims of substantially equal radii around an axis in common with the two members, and the members having inner tracks defined by the rims and by inner rims of substantially equal radii around such common axis, the spaced-apart members adapted to have snugly fitted therearound the body of a bag or box having a flexible covering with a lining in the peripheral wall of the covering, and having a side wall within the peripheral wall, movable means adapted to secure such side wall against an outer surface of one of the members which surface is transverse of such common axis, a pusher between the two members and movable about the common axis, and power means leading through the other one of the members to the pusher, the pusher adapted to force a strip of reinforcement along the tracks and between the



peripheral wall of the bag or box body and the lining thereof.

2,579,271
TEMPERATURE PROBE
William R. Polye, River Edge, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 3, 1948, Serial No. 63,381
8 Claims. (Cl. 201—63)

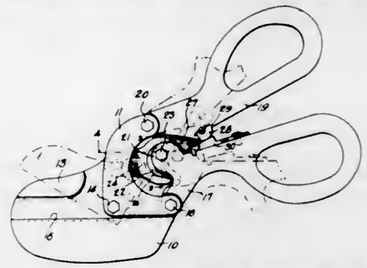


1. A probe for use in an electrical circuit for sensing the temperature of gases having high temperatures and velocities, comprising a corrosion resistant tube, a temperature sensing element encompassed by said tube, a plurality of ceramic supports for said element within said tube, a ceramic block closing one end of said tube and having a plurality of apertures therein for permitting the flow of gas through said tube and block and over said element when the open end of said tube is placed in communication with a region containing a gas the temperature of which is to be sensed, and means carried by the ceramic block for connecting said element into the temperature sensitive circuit.

2,579,272
JAW ACTUATING MEANS FOR TOOLS
Arthur R. Ralston, Kansas City, Mo.
Application November 8, 1950, Serial No. 194,666
4 Claims. (Cl. 74—1)

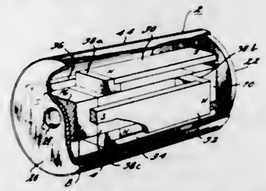
1. A tool comprising a primary jaw and a companion jaw, means pivotally connecting the jaws, a handle pivotally connected to the primary jaw and a companion handle also connected to the primary jaw in spaced relation to the pivot connection of the first mentioned handle, a link connection connecting the companion jaw with the first mentioned handle, said link connection including an eccentric member pivotally secured to the first mentioned handle, and a

rigid arm carried by said eccentric member and pivotally connected to said companion handle



to move the jaws toward and away from each other as the handles are opened and closed.

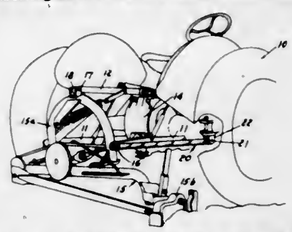
2,579,273
MAGNETIC LENS FOR ELECTRON OPTICAL SYSTEMS
John H. Reisner, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 21, 1949, Serial No. 94,556
6 Claims. (Cl. 313—84)



1. A permanent magnet lens for use in an electron optical system, comprising a core piece of magnetically permeable material having a passage adapted to pass a stream of electrons therethrough, end plates of magnetically permeable material, each of which has an opening in register with an end of said passage and each of said end plates being spaced from an end of said core piece, flux gaps located between the ends of said core piece and said end plates, means for energizing said gaps, said energizing means comprising an even number of magnets, each having a direction of magnetization substantially parallel to the longitudinal axis of said passage, one-half of said magnets being polarized in one sense and the other half being polarized in the opposite sense, each of said magnets having a length greater than half the distance between said end plates, one-half of said magnets being connected adjacent one end of said core piece and to the same one of said end plates, while the other half of said magnets is connected adjacent the opposite end of said core piece and to the other one of said end plates.

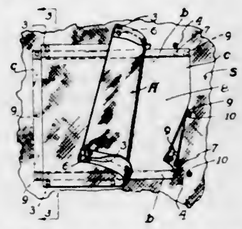
2,579,274
STABILIZER FOR TRACTOR MOUNTED IMPLEMENTS
Clarence B. Richey, Royal Oak, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application June 29, 1949, Serial No. 102,076
3 Claims. (Cl. 280—33.44)

2. In combination with a hitch for use with a tractor and an implement requiring a substantially rigid lateral tractor-implement connection but subject to transverse vibration, said hitch including a pair of laterally spaced laterally swingable forwardly converging hitch links for pivoted connection to the tractor and the implement and a laterally rigid stabilizing link for connection to the tractor and to the implement in triangular relationship with one of said



hitch links to laterally brace the links against substantial lateral movement, a cylindrical laterally deflectable resilient sleeve interposed between said stabilizing link and one of its points of attachment for accommodating slight lateral vibratory movement of the stabilized hitch linkage for accommodating corresponding change in the effective length of said stabilizing link.

2,579,275
SOAK PAD
Louis Schworm, Jr., Washington, D. C., assignor to Swormco, Inc., a corporation of Delaware
Application November 18, 1946, Serial No. 710,647
1 Claim. (Cl. 128—132)

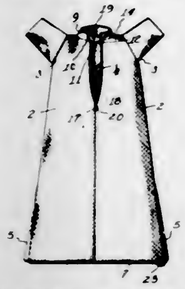


In a soak pad for a baby's garment, an oblong lamination of a material impervious to moisture, a second lamination of an absorbent material having a width slightly greater and a length slightly less than the width and length of the first lamination, folded binding strips straddled over and secured to each of the longer side edges of both of said laminations, separable fastenings spaced along the side and end edges of the first lamination for securing it lengthwise across the inner side of the back of the garment, said second lamination being superimposed on the first lamination, other separable fastenings spaced along the longer side edges of said second lamination for securing the same to the inner side of the back of the garment beyond the adjacent edges of the first lamination, and still other separable fastenings spaced along the longer side edges of both laminations for securing the same to each other.

2,579,276
SLEEPING GARMENT
Louis Schworm, Jr., Washington, D. C., assignor to Swormco, Inc., a corporation of Delaware
Application April 26, 1948, Serial No. 23,272
1 Claim. (Cl. 2—69.5)

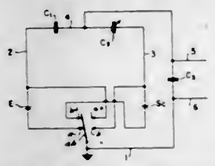
In a sleeping garment, a bag-like body having neck, front and bottom openings, a zipper closure

including the operator slide thereof for said front and bottom openings, and separable fastener means at the closing ends of each of said zippers engageable with the operator slide of the same to prevent its accidental displacement from its position to effect the closing of the related opening, a tape secured to the garment adjacent the closing end of each of said zippers, a loop provided intermediate the ends of said tape, said separable



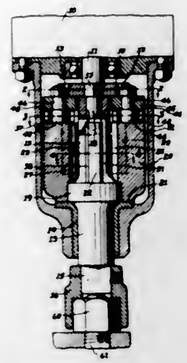
fastener means having its parts secured at opposite sides of the interior of said loop, said operator slide having an aperture opening through the same for the engagement of said separable fastener therewith, and a second separable fastener having one of its parts carried by the free end of said tape and its other part secured on said garment opposite from the point of securement of the said one end therewith.

2,579,277
MEASURING APPARATUS
Leonard Stanton, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 30, 1949, Serial No. 107,706
7 Claims. (Cl. 320—1)



1. Capacity-rebalancing measuring apparatus comprising first and second measuring terminals adapted to be connected to the respective terminals of opposite polarity of a source of unknown unidirectional voltage to be measured, first and second reference terminals adapted to be connected to the respective terminals of opposite polarity of a source of substantially constant unidirectional voltage, first and second output terminals adapted to be connected to the input portion of voltage responsive means, a fixed capacitor having a substantially constant capacity, a rebalancing capacitor having a variable capacity dependent on the adjustment thereof, conductor means adapted to be connected to ground, conductors connecting said capacitors in series between said first measuring terminal and said first reference terminal; a connection between said first output terminal and the junction between said capacitors, a connection between said second output terminal and said conductor means, and switching means comprising contact means connected to said conductor means and operating means operative, when energized, to render said contact means operative to connect said first and second measuring terminals to said conductor means in rapid alternation at a predetermined rate, and to connect said first and second reference terminals to said conductor means in rapid alternation at said rate.

2,579,278
IMPACT WRENCH
Floyd H. Thomas, Milan, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 25, 1946, Serial No. 705,761
5 Claims. (Cl. 192—30.5)



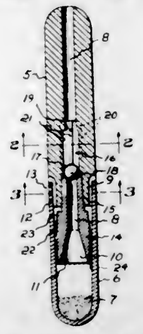
1. An impact wrench and the like comprising a driving motor, a tool receiving spindle provided with anvil faces, a rotatable hammer element, a driving dog pivotally mounted on said hammer element adapted to transmit the rotational energy of said hammer to said anvil faces, a second dog separately mounted on said hammer element, inter-connecting means between said dogs to move one of said dogs into the path of said anvil faces and the other dog out of said path simultaneously, the means to transmit driving face from said motor to said dogs and tending to hold one of said dogs out of the path of said anvil faces.

2,579,279
SHEET METAL SPRING CLIP
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 24, 1948, Serial No. 10,505
5 Claims. (Cl. 24—73)



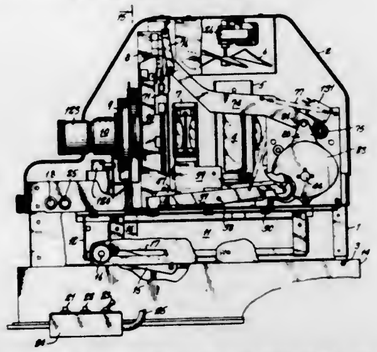
2. A retainer for mounting a molding having inturned flanges onto a supporting part, said retainer comprising a sheet metal body defining a base, means on said base for attaching the retainer to said supporting part, a pair of upwardly extending spring arms bent upwardly from said retainer base, one of said upwardly extending spring arms having an outward extension in the form of a downwardly extending return bent portion, and a wing on the side of said downwardly extending return bent portion defining an abutment for engaging a flange of said moulding.

2,579,280
INHALER
George P. Trumbour, Needham, and Harlan I. Prater, Jr., Wellesley Hills, Mass., assignors to MacGregor Instrument Company, Needham, Mass., a corporation
Application June 25, 1949, Serial No. 101,398
7 Claims. (Cl. 128—206)



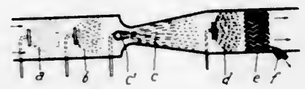
1. An inhaler comprising a body having a tip, a butt, and a passage effecting communication therebetween, and a cap constituting a medicament container attached to said body with its closed end spaced from the butt end of said passage and its walls spaced from the extremity of said butt and thereby to establish an air chamber having its mouth opening towards said closed end, said inhaler having inlets in communication with said air chamber and the mouth of said chamber being of restricted size so that the streams of intake air are accelerated in the zone of the butt end of said passage.

2,579,281
ELECTRICALLY ACTUATED SLIDE PROJECTOR WITH REMOTE CONTROL
James Allen Tuck, New York, N. Y.
Application September 14, 1949, Serial No. 115,692
8 Claims. (Cl. 88—28)



1. In a slide projector, a horizontally movable carriage, a slide holding tray supported by said carriage, a vertical slide guide tube, a pair of slide holding and centering jaws carried by said tube, a vertically movable pick-up member in said tube having means for actuating said slide holding jaws, a slide releasing device carried by said pick-up member and movable with respect thereto, latching means carried by said releasing device, and an abutment for engaging said releasing device and releasing said latching means, and a spring for raising said device when unlatched.

2,579,282
DEVICE FOR THE TREATMENT OF GASES
Pierre Georges Vicard, Lyon, France
Application November 18, 1947, Serial No. 786,680
In France December 6, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1966
3 Claims. (Cl. 183—29)



1. A device for treating gases with a liquid for removing minute particles suspended in the gases comprising in combination, a plurality of successive sections of treatment including a first chamber into which said gases are conducted; spraying means in said first chamber for saturating said gases with the vapor of said treating liquid; a second chamber in communication with and adjoining said first chamber for receiving the saturated gases therefrom; spraying means for spraying said liquid into said second chamber to supersaturate said gases and produce a mist in said second chamber; a Venturi tube arranged next to and communicating with said second chamber to receive the supersaturated gases therefrom, whereby the neck portion of said Venturi tube suddenly cools said separated gases so that the particles of liquid of said mist condense onto the particles suspended in said gases; a third chamber in communication with said Venturi tube to receive the liquid and gas mixture therefrom; means for spraying said liquid into said third chamber so as to cause a separation between the gaseous and liquid phases of said mixture in said third chamber; and means for removing said separated liquid phase from said gaseous phase.

2,579,283
PRODUCTION OF LYSINE MONOHYDROCHLORIDE
Sterling N. Vines, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1950, Serial No. 175,293
7 Claims. (Cl. 260—534)

1. The process for converting lysine dihydrochloride to lysine monohydrochloride which comprises contacting a solution of the dihydrochloride with a phenol-tetraethylene pentamine-formaldehyde anion-exchange resin, said resin being employed in its basic form.

2,579,284
RESILIENT CUSHION
Louis J. Zerbee, Bellefontaine, Ohio
Application April 16, 1945, Serial No. 588,687
19 Claims. (Cl. 155—179)

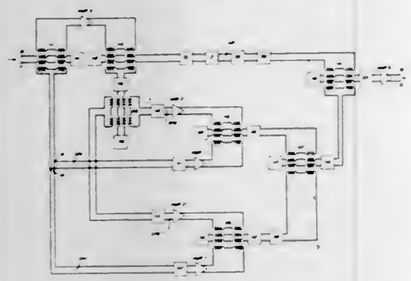
1. A cushioning assembly including an outer cushioning member of high carbon steel wire screen formed into a curved contour, a shroud support extending throughout the margin of the periphery of the cushioning member forming a flexible support therefor, a second cushioning member consisting of a horizontally disposed high carbon steel wire screen having the cor-

ners attached to the corners of the outer cushioning member and to the corners of the shroud



support, said second cushioning member functioning as an inner spring for the outer cushioning member.

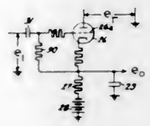
2,579,285
TRANSMISSION LINE DISTORTION CORRECTOR
Leonard G. Abraham, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 13, 1949, Serial No. 110,079
14 Claims. (Cl. 178—44)



1. A distortion corrector comprising a pair of input terminals, a pair of output terminals, a main transmission path between said input terminals and said output terminals, a delay device in said path, a reflecting impedance in said path located between said delay device and said output terminals, a first echo path from said input terminals to said output terminals, a second echo path from a point in said main path between said delay device and said input terminals to said output terminals, means for preventing energy reflected by said impedance from entering said first echo path, and means for preventing unreflected energy in said main path from entering said second echo path.

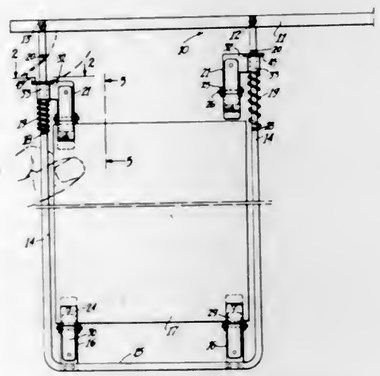
2,579,286
DISCRIMINATOR CIRCUIT
Arthur P. Adamson, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application September 21, 1949, Serial No. 116,943
4 Claims. (Cl. 250—27)

1. In combination, a discriminator circuit comprising an electron discharge device having an anode, a cathode, and a control electrode, an energizing circuit for said device comprising a source of alternating voltage electrically connected between said anode and ground, a load resistance and source of direct current voltage connected in series between said cathode and ground, a capacitor electrically connected in parallel with said series arrangement of load resistance and direct current voltage source, and



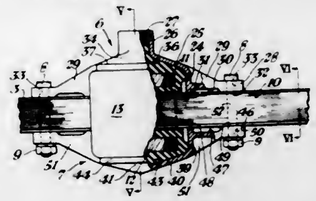
a signal input circuit for said device electrically connected to said control electrode.

2,579,287
FILM HOLDER
Daniel A. Albert, Richmond Hill, N. Y.
Application January 15, 1949, Serial No. 71,155
3 Claims. (Cl. 95—100)



1. In a film holder including a support bar and a substantially U-shaped frame suspended therefrom, a pair of fixed clips at the lower end of the frame for engagement with the lower end of a film, a pair of movable clips adjacent the upper end of the frame for engaging the upper end of the film, sleeve means extending from said upper clips and embracing the vertical legs of said frame for mounting the movable clips for sliding movement parallel to and along the legs of the frame, spring means for urging the movable clips individually in a direction away from the fixed clips to hold a film therebetween under tension, means for preventing rotation of the movable clips with respect to the legs, a tab on each sleeve engageable by the thumb of a hand gripping the support bar whereby each clip may be separately forced into engagement with the upper edge of the film, each clip being shaped to provide upper and lower closed jaws having contacting relatively yieldable arcuate portions constituting a guide for the edge of a film forced therebetween, one of the arcuate portions being punched to provide a prong extending obliquely into an opening in the other contacting arcuate portion and upon which prong the film is impaled and from which it can be pulled by a tug on the film, and spring means for keeping the jaws closed.

2,579,288
VEHICLE CARRIED INDUCTIVE RECEIVER
Leslie R. Allison, Forest Hills, and Harold V. Rudolph, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application April 4, 1950, Serial No. 153,964
6 Claims. (Cl. 175—21)



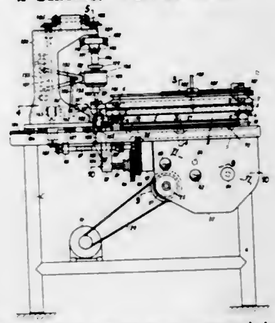
1. A vehicle carried receiver comprising a magnetizable core, a coil embedded within a protective water and oil proof enclosure of insulating material, said enclosure having an opening which receives said core with some clearance, and clamping means for securing said coil on said core comprising two nonmagnetic clamp members secured to said core and engaging opposite sides of said enclosure in a manner to maintain said clearance between said core and all points of said enclosure.

2,579,289
TEMPERATURE COMPENSATED RESONANT VIBRATING SYSTEM
Joseph A. Ashworth, deceased, late of Bernardsville, N. J., by Eva T. Ashworth, administratrix, Bernardsville, N. J., and Lee G. Bostwick, Florham Park, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1949, Serial No. 125,754
9 Claims. (Cl. 172—126)



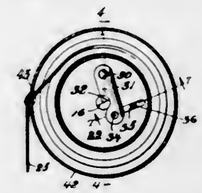
1. An electromechanical vibrator comprising a clamped vibrating member of magnetic material having a resonant frequency subject to variation with temperature changes, means including said vibrating member defining a magnetic circuit, said magnetic circuit having an air gap at the free end of said vibrating member, a signal coil in electromagnetic coupling relation with said circuit, and means for maintaining the resonant frequency of said vibrating member substantially constant comprising a magnetic member in said circuit having a flux carrying capacity which changes with temperature to change the gap flux density an amount sufficient to compensate for changes in the mechanical properties of said vibrating member with temperature tending to change its resonant frequency.

2,579,290
ENGRAVING MACHINE
Oscar Bachmann, Zurich, Switzerland
Application June 30, 1945, Serial No. 602,615
In Switzerland May 16, 1944
2 Claims. (Cl. 33—27)



1. An engraving machine comprising a support including a rotatable and adjustable disc to receive a plate to be engraved, a slide, at least one stylus operatively mounted on said slide to work on said plate, means for moving said support and said stylus with respect to each other to trace figures on said plate, the aforesaid means including means for distorting the curves of the figures at predetermined places and to predetermined extents, said last mentioned means including a tiltably mounted shaft, means for moving said shaft in a circular path, a nut adjustably mounted on said shaft, a bifurcated member operatively associated with said shaft and said nut, a universal joint supporting said bifurcated member for movement in every direction, said bifurcated member having two arms cooperating with said nut to be moved thereby upon movement of said shaft in a circular path, an axially displaceable member operatively connecting said bifurcated member and said slide to transmit the movement of said member to said slide to move said slide and said stylus with respect to said support, and means for rotating said disc including change speed gearing.

2,579,291
REELING DEVICE
Lester W. Ballou, Attleboro, Mass., assignor to Ballou & Boss, Inc., a corporation of Rhode Island
Application May 16, 1950, Serial No. 162,300
5 Claims. (Cl. 242—107)



1. In a reeling device a spindle having a catch therein, a spool rotatably mounted on said spindle, a spring for rotating said spool on said

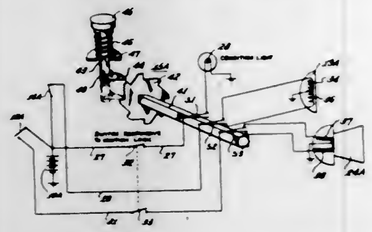
spindle in one direction, a pawl pivoted on said spool at a point radially outward from its axis to engage said latch and prevent rotation of the spool under influence of the spring, and a member on the spool adjacent the free end of the pawl having an inclined surface on which the pawl rests to urge the pawl under the influence of gravity inwardly to engage said catch when in substantially a horizontal plane.

2,579,292

COMBINED LIGHT AND HORN SYSTEM

Harry W. Brelsford, Pasadena, Calif.

Application December 31, 1948, Serial No. 68,547
4 Claims. (Cl. 177—7)



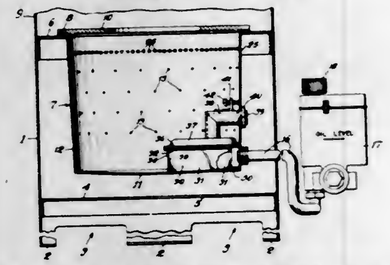
4. In combination: a source of high beam light; a source of low beam light; a source of high intensity noise; a source of low intensity noise; a ganged control switch for selectively connecting the high beam and high intensity sources in one position and the low beam and low intensity sources in another position; a manual control for the light sources; a manual control for the noise sources; and means for energizing all of said sources and subject to control by said switch, whereby the high light and high intensity noise may simultaneously be placed in condition for operation and alternatively the low light and the low intensity noise may be simultaneously placed in condition for operation.

2,579,293

PILOT FOR VAPORIZING BURNERS

James L. Breese, Santa Fe, N. Mex., assignor to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware

Application August 29, 1947, Serial No. 771,203
2 Claims. (Cl. 158—91)



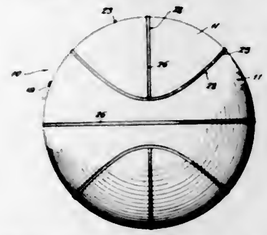
1. In a pilot housing for pot type liquid fuel burners, inwardly converging side walls having end portions formed and adapted to engage the inner surface of a burner pot side wall, bottom edge portions adapted to engage and conform to the burner bottom, and an inner end wall uniting the inner ends of said side walls, and having a flame outlet, a plenum chamber overlying and closing the space between said pilot side walls and an air inlet duct extending from said plenum chamber upwardly and adapted to extend outwardly through the side wall of the pot, and members on said air inlet duct adapted to thrust said pilot housing downwardly against the pot bottom and outwardly against the pot side wall, said members including a pot wall engaging abutment adapted to be placed exterior to the pot and an offset abutment on said air inlet duct, adapted to engage the inner face of the pot side wall.

2,579,294

METHOD OF MAKING ATHLETIC BALLS

William T. Brown, West Suffield, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware

Original application August 31, 1944, Serial No. 552,089. Divided and this application August 14, 1945, Serial No. 610,825
2 Claims. (Cl. 154—16)



1. The herein described method of making an athletic ball which includes the steps of adhering together plies of fabric, making a fabric body of laminated fabric pieces sewed together with their inturned edges in face to face relation so that when filled out the body is substantially the size and shape of a finished regulation size and shape ball, laying in a preformed filler strip of rubber in the valley formed in the outer surface by the inturned edges, and molding on the body when inflated a coating of rubber to waterproof the body and protect it against abrasion.

2,579,295

METHOD OF PREPARING 7-DEHYDROSTEROLS AND ESTERS

Jan Anne Keverling Buisman, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

No Drawing. Application April 28, 1947, Serial No. 744,530. In the Netherlands June 5, 1946
5 Claims. (Cl. 260—397.2)

1. A method of preparing a 7-dehydrosterol which comprises subjecting a 7-hydroxysterol-3-monoester to the action of an inorganic acid halide in a tertiary amine while heating the latter to a boiling temperature with the exclusion of oxygen whereby the hydroxyl group at the 7-position is split off and a 7-dehydrosterol ester is formed.

2,579,296

CHLORINATED PINENE INSECTICIDAL COMPOSITION

George Allen Buntin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1948, Serial No. 19,865
12 Claims. (Cl. 167—30)

1. An insecticidal composition comprising the product obtained by chlorination of a pinene with chlorine gas at an elevated temperature, below the temperature at which the product decomposes, to a chlorine content of from about 62% to about 72% chlorine and an insecticidal adjuvant as a carrier therefor.

2,579,297

CHLORINATED CAMPHANE INSECTICIDAL COMPOSITION

George Allen Buntin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1948, Serial No. 19,866
8 Claims. (Cl. 167—30)

1. An insecticidal composition comprising the product obtained by chlorination of camphane with chlorine gas at an elevated temperature, below the temperature at which the product decomposes, to a chlorine content of from about 52% to about 75% chlorine and an insecticidal adjuvant as a carrier therefor.

2,579,298

CHLORINATED BORNYL CHLORIDE INSECTICIDAL COMPOSITION

George Allen Buntin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1948, Serial No. 19,867
8 Claims. (Cl. 167—30)

1. An insecticidal composition comprising the product obtained by chlorination of bornyl chloride with chlorine gas at an elevated temperature, below the temperature at which the product decomposes, to a chlorine content of from about 56% to about 74% chlorine and an insecticidal adjuvant as a carrier therefor.

2,579,299

CHLORINATED ISOBORNYL CHLORIDE INSECTICIDAL COMPOSITION

George Allen Buntin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1948, Serial No. 19,868
8 Claims. (Cl. 167—30)

1. An insecticidal composition comprising the product obtained by chlorination of isobornyl chloride with chlorine gas at an elevated temperature, below the temperature at which the product decomposes, to a chlorine content of from about 50% to about 75% chlorine and an insecticidal adjuvant as a carrier therefor.

2,579,300

CHLORINATED PINANE INSECTICIDAL COMPOSITION

George Allen Buntin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application August 4, 1945, Serial No. 609,027. Divided and this application April 8, 1948, Serial No. 19,869
8 Claims. (Cl. 167—30)

1. An insecticidal composition comprising the product obtained by the chlorination of pinane with chlorine gas at an elevated temperature, below the temperature at which the product decomposes, to a chlorine content of from about 40% to about 75% chlorine and an insecticidal adjuvant as a carrier therefor.

2,579,301

CHLORINATED FENCHENE INSECTICIDAL COMPOSITION

George Allen Buntin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1948, Serial No. 19,870
4 Claims. (Cl. 167—30)

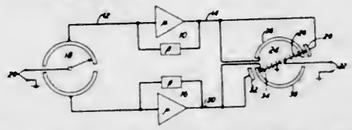
1. An insecticidal composition comprising the product obtained by the chlorination of fenchene with chlorine gas at an elevated temperature to a chlorine content from about 56% to about 72%, said temperature being below that at which the product decomposes and an insecticidal adjuvant as a carrier therefor.

2,579,302

DECODER FOR PULSE CODE MODULATION

Robert L. Carbrey, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 17, 1948, Serial No. 2,824
12 Claims. (Cl. 250—27)



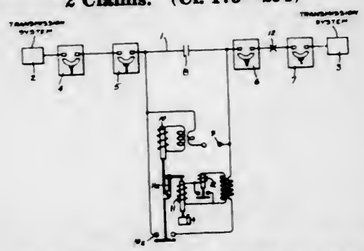
1. In a system for decoding code groups of pulses based on a system of numeration of radix r, the pulses occurring at equal intervals and each pulse representing a portion of the amplitude of a signal wave, a feedback network having a loop transmission characteristic of 20 $\log_{10} r$ decibels and a delay around the loop equal to the interval between said pulses, means for applying the pulses of a code group to said network and means for sampling the output of the network at the conclusion of the code group.

2,579,303

SERIES CAPACITOR PROTECTIVE SCHEME FOR TIE LINES

Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

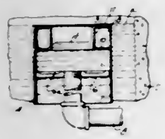
Application October 6, 1950, Serial No. 188,727
2 Claims. (Cl. 175—294)



1. In a synchronous transmission system having two separate portions and a tie line including a series capacitor interconnecting said portions, a protective system for said capacitor comprising a discharge device connected in a first shunt circuit about the capacitor for by-passing said capacitor in response to voltages impressed thereon above a predetermined level, an electromagnetic switching device having an operating coil connected to be energized in response to current in the first shunt circuit including said discharge

device, a second shunt circuit connected in parallel with the first shunt circuit for bypassing said discharge device and said capacitor, said electromagnetic switching device having cooperating contacts in series in said second shunt circuit for closing said circuit upon energization of said operating coil, a latching device for holding said contacts in the closed position, and an electromagnetic release device having time delay means for retarding the pickup thereof and having an operating coil connected to be energized in response to current in the second shunt circuit upon closure of said contacts for releasing said latching device a time interval thereafter, the magnitude of said time interval being dependent upon the natural frequency and decrement factor of said synchronous transmission system.

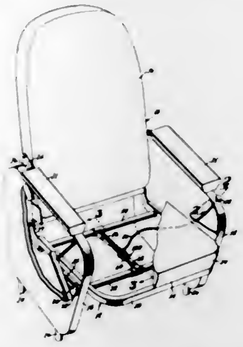
2,579,304
SELF-ADJUSTING RECIRCULATING OVERFLOW
James B. Crawford, Los Angeles, Calif., assignor to Paddock Pool Maintenance Co., Los Angeles, Calif., a corporation of California
Application March 24, 1950, Serial No. 151,777
16 Claims. (Cl. 61—23)



1. In equipment for skimming swimming pools, tanks and the like containing a body of liquid, the combination of: side and bottom walls forming a chamber positioned in said body of liquid near the surface thereof and constructed and arranged to hold a quantity of liquid segregated from the main body of liquid, said chamber walls including a vertically movable side wall member which has a substantially liquid tight working fit with adjoining stationary wall portions of the chamber, said member having a liquid overflow lip positioned near the surface of the main body of liquid and over which surface liquid from said main body may spill into said chamber, float means operatively connected to said movable wall and arranged to float in the liquid contained inside said chamber, whereby said over-flow lip will rise and fall with the liquid level inside said chamber, and an outflow conduit for removing liquid from said chamber.

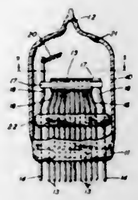
2,579,305
POSITION-ADJUSTING MECHANISM
Clifford E. Cushman, Burbank, Calif., assignor to Sturgess, Inc., a corporation of California
Application January 26, 1948, Serial No. 4,347
33 Claims. (Cl. 155—116)

1. In an adjustable chair comprising a support member and a tiltable back member, the improvement which comprises: an adjustable positioning mechanism comprising a body member and a rod member connected between said support member and said back member for setting said back member in a predetermined tilt position, said adjustable mechanism comprising a brake mechanism having first and second brake means interconnecting said body member and said rod member, said brake means having frictionally engageable braking surfaces adapted when engaged to oppose relative movement of said members, means for maintaining said braking surfaces engaged to hold said back member against relatively large rearward-tilting forces, a preloaded spring opposing forward-tilting forces and arranged to urge said braking surfaces into engagement to produce a frictional force along said surfaces which resists relative movement of said members



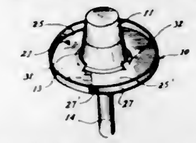
by forward-tilting forces, and means including a pair of elements engageable during relative movement of said members for relieving the force urging said braking surfaces together whereby the minimum value of forward-tilting forces required to tilt said back member forward while said brake mechanism is operative is maintained at a substantially constant relatively low value irrespective of variations in the coefficient of friction between said surfaces.

2,579,306
MULTIELECTRODE GASEOUS DISCHARGE DEVICES
Charles Depew, Oakland, N. J., and Wallace A. Depp, Elmhurst, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1948, Serial No. 13,284
9 Claims. (Cl. 313—188)



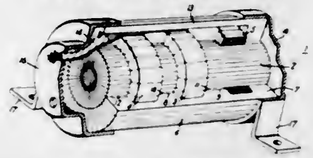
1. A multielement electronic glow discharge device comprising an enclosing vessel having a stem and containing a gaseous filling, a unitary electrode assembly sealed therein including a single elongated cathode having a flat planar surface and a series of wire anodes having active portions uniformly spaced in a plane adjacent said cathode surface, a wire support extending at each end of said series of anodes and connected to said cathode surface, and an insulating spacer member extending intermediate the ends of said anodes and supports.

2,579,307
NEEDLE, THREAD, AND THIMBLE KIT
George J. Dillemuth, Tiller, Oreg.
Application November 21, 1950, Serial No. 196,900
3 Claims. (Cl. 223—106)



1. In combination, a spool having a central opening therein and an end face, an attachment comprising a top plate and means securing said top plate to the end face of the spool, said top plate having an upstanding projection adapted to receive one side of a thimble, a movable element hingedly connected to the top plate and having a projection adapted to engage the other side of a thimble and spring biasing means urging together the movable element with its upstanding projection toward the upstanding projection of the top plate whereby to secure the thimble to the attachment.

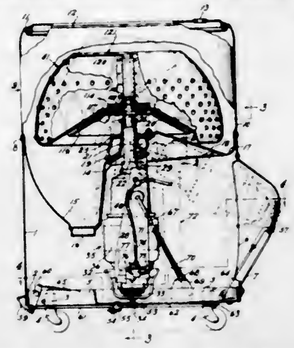
2,579,308
TRANSFORMER
Marshall H. Dole, Hudson, Ind., assignor to General Electric Company, a corporation of New York
Application November 4, 1948, Serial No. 58,297
3 Claims. (Cl. 171—119)



1. A magnetic core for stationary induction apparatus comprising, a substantially cylindrical central winding leg member, said winding leg member constructed of a plurality of wedge-shaped winding leg sections, said wedge-shaped winding leg sections maintained in contiguous relationship to one another, a yoke member similarly constructed of a plurality of contiguous wedge-shaped yoke sections, each of said wedge-shaped yoke sections having a plurality of sidewise extending legs including end legs and at least one intermediate leg, said yoke members having a substantially hollow cylindrical shape, the opening therein having a minimum diameter approximately equal to the outer diameter of said central winding leg member, portions of said end legs of said wedge-shaped yoke sections being contiguous with said winding leg member, said yoke member substantially surrounding said winding leg member, and clamping means surrounding the ends of said yoke member for holding said sections in assembled relation.

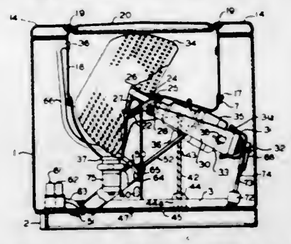
2,579,309
WASHING MACHINE OF THE SPIN DRY TYPE
George W. Dunham, Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application March 21, 1947, Serial No. 736,295
12 Claims. (Cl. 68—25)

1. In a washing machine in combination, a tub, a basket, a rotatable spinner shaft upon the upper end of which said basket is carried for rotation in said tub, a motor and its shaft in end to end relation with the lower end of said spinner shaft, a transmission mechanism and its casing below said tub with said transmission being connected to said spinner shaft and being disposed in line therewith, a housing for said motor joined to the lower end of said transmission casing and together with spinner shaft and basket forming a columnar unit, means for supporting and



holding the columnar unit for gyratory motion exclusively at the lower end of said motor housing and comprising a resilient rubber mounting arranged to receive and hold said lower end and stabilize the column from said end, said sole support for the column limiting gyration thereof during rotation of said spinner shaft and basket with said column above said support being free of restriction upon said limited gyratory movement.

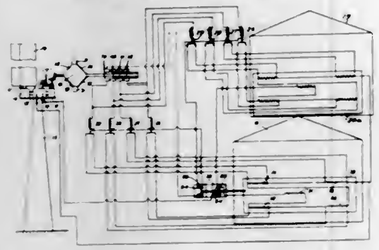
2,579,310
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application January 30, 1948, Serial No. 5,383
8 Claims. (Cl. 68—25)



1. A washing machine, comprising a stationary tub and a washing receptacle movably mounted therein, driving means to drive said receptacle at two velocities, said driving means fixed to and suspended from the washing receptacle in axial alignment thereof and forming a columnar unit therewith, a rectangular shaped cabinet to contain all of the washing machine mechanism, a supporting base member of said cabinet, a hydraulic cylinder diagonally disposed in said rectangular shaped cabinet and fixedly mounted on said supporting base member through which liquid may flow to fill said stationary tub, a piston contained in said cylinder and a piston rod, one end of which is fastened to said piston and the other end of which is slotted and movably fastened for initial lost motion to the above men-

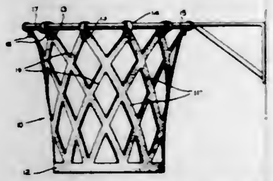
tioned columnar unit to move, after said initial lost motion, the driving means of said unit toward a corner of the cabinet and tilt the washing receptacle in the stationary tub when the piston is displaced in the hydraulic cylinder during the stationary tub filling operation, a lock pin integral with and downwardly projecting from the base extremity of the columnar unit, a retaining slot in, and a retaining latch mounted on, the supporting base member of the cabinet to hold the columnar unit in vertical position, latch releasing mechanism comprising a linkage from the movably fastened end of the piston rod and the same pivoted to release said retaining latch by the initial movement of the piston and piston rod in the tub filling operation.

2,579,311
WIND-DRIVEN POWER GENERATOR
Charles Richard Fairey, Hayes, England
Application July 7, 1949, Serial No. 103,480
In Great Britain March 5, 1948
2 Claims. (Cl. 290—2)



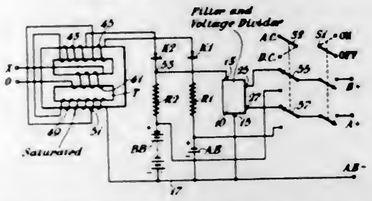
2. A wind-driven power generating plant comprising, in combination, a wind driven rotor, an electrical generator driven by said rotor, two boilers, a plurality of immersion heaters in each boiler, said heaters being adapted to be fed by said generator, relay means controlling said heaters, centrifugal switch mechanism driven by said rotor and operative to control said relay means selectively to bring the heaters in either boiler into action, and a pressure operated switch responsive to the pressure in one boiler and connected to select either the heaters in one boiler or those in the other for operation.

2,579,312
BASKETBALL NET
George D. Garvey, New London, Conn.
Application January 13, 1950, Serial No. 138,463
1 Claim. (Cl. 273—1.5)



A one-piece basketball net comprising a flexible, resilient reticulate structure substantially frusto-conical in shape and composed of synthetic organic plastic material, said tructure including two integrally joined sets of parallel diagonal bands angulated oppositely relative to the axis of said structure and to each other, said band sets merging at the small diameter end of said structure into an annular flat smooth strip that imparts rigidity thereto, said band sets at the large diameter end merging into a plurality of circumferentially spaced V's, an integral strap extending longitudinally from each of said V's, fastening means incorporated into the base of each of said straps, and complementary fastening means incorporated into the outer end of each of said straps, said net being constructed and arranged to retain its shape when exposed to all kinds of change in weather conditions.

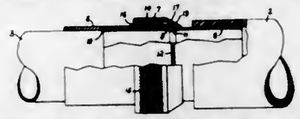
2,579,313
POWER SUPPLY MEANS
Robert M. Gilson, Swissvale, and Linnie K. Hedding, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania
Original application November 20, 1947, Serial No. 787,248. Divided and this application February 1, 1949, Serial No. 74,022
2 Claims. (Cl. 171—97)



2. In power supply means, the combination comprising, a pair of input terminals to which an alternating voltage that may vary from a given normal value may at times be supplied, a transformer having a three-legged magnetic core structure and provided with a primary winding which is mounted on a first one of said legs and connected across said input terminals, a secondary winding mounted on a second one of said legs, said second leg being proportioned to be saturated by magnetic flux with alternating voltage of said given normal value supplied to said input terminals, a first and a second regulating winding mounted on a third one of said legs, said third leg being proportioned to be nonsaturated when alternating voltage of said given normal value is supplied to said input terminals, a first and a second pair of load terminals which require a substantially constant given high load voltage and a given low load voltage respectively, a first circuit including the full portion of said secondary winding and said first regulating winding in series opposing connected across said first pair of load terminals, and a second circuit including a selected portion of said secondary winding and said second regulating winding in series opposing connected across said second pair of load terminals, whereby the effects of an increase in flux in said core when the alternating voltage supplied to said input terminals exceeds said given normal value are neutralized and the voltages supplied to said first and second pair of load terminals are retained at said high and low load voltages respectively.

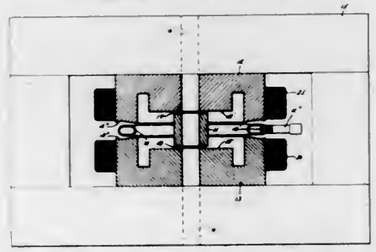
2,579,314
SWIVEL AND LOCKING CONNECTION FOR TUBES
Victor J. Grumblatt, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application June 22, 1950, Serial No. 169,626
3 Claims. (Cl. 285—122)

1. A coupling for suction cleaner tubes and the like comprising an outer sleeve, an inner sleeve telescopically fitting into an end of the outer sleeve, a nut threaded on the outer sleeve, a tapered inner wall on the nut extending over the end of the outer sleeve, a resilient normally expanded compressible toothed locking ring inside said nut next to said tapered wall and next to



said end on the outer sleeve, and serrations on said outer sleeve end and on said inner sleeve engageable by said toothed locking ring to lock said sleeves together against rotation when said nut is tightened and said tapered wall compresses said ring.

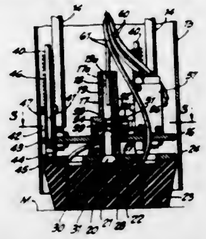
2,579,315
RESONATOR STRUCTURE
Anatale M. Gurewitsch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 29, 1949, Serial No. 130,054
7 Claims. (Cl. 315—39)



1. In apparatus for the acceleration of charged particles in an orbital path which is enclosed by an annular envelope of dielectric material and traversed by a time varying magnetic field, a resonator forming a sector of said annular envelope and including an inner conductor comprising a conductive layer supported upon the inner surface of said sector of said envelope and having portions thereof removed to form a plurality of spaced apart conductive strips extending longitudinally along said sector, said sector having a gap extending around the periphery thereof, and a first conductive strip extending around the periphery of said sector, and an outer conductor comprising a conductive layer supported upon the outer surface of said sector of said enevelope and having portions thereof removed to form a plurality of spaced apart conductive strips extending longitudinally along said sector and a second conductive strip extending about the periphery of said sector opposite said first conductive strip.

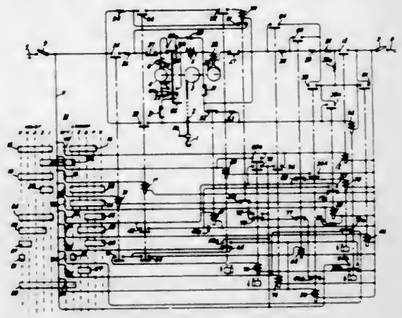
2,579,316
PRESSURE SENSITIVE MOISTURE TEST INSTRUMENT
Elmer S. Hall, Riverdale, Md., and James N. Smith, Laguna Beach, and Marvin L. McBrayer, Alhambra, Calif., assignors to Moisture Register Company, Alhambra, Calif., a corporation of California
Application August 18, 1947, Serial No. 769,156
1 Claim. (Cl. 175—183)

In an electric moisture register instrument: an electrode support block, electrode means carried by said support block, a mounting block spaced from said electrode support block, means connecting said mounting block and said electrode support block comprising a plurality of mounting rods tightly connected at one end to said mounting block, plungers slidably mounted on the other ends of said rods and having supporting bearing against said electrode support block, coil compression springs on said rods acting between said mounting block and said plungers, a



guide plate between said electrode support and said mounting block having apertures passing and slidably supporting said plungers, means supporting said guide plate from said mounting block, a cam rod having a swivelled connection with said electrode support block, a guide sleeve on said guide plate slidably receiving said cam rod, a micro-switch on said guide plate, said cam rod having a cam formation thereon, and a cam follower element engaged by said cam and operatively engaging said micro-switch.

2,579,317
CONTROL SYSTEM
John A. Hepperlen and Samuel Rifkin, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application October 7, 1950, Serial No. 188,998
3 Claims. (Cl. 318—302)



3. A control system for hoists and the like having an electric hoist motor provided with an armature and a series field and a reversing type master switch for the control of said motor having high and slow speed hoist and lower positions, comprising in combination a solenoid brake having the solenoid thereof connected in series connection with said motor, means operable in the slowest of said lower positions for connecting a field resistance in series connection with said field winding and the armature of said motor in shunt with said series connection and for connecting a line resistance in series with said motor, said means being operable in the next faster of said lowering positions for disconnecting

said line resistance and increasing said field resistance and operable in the succeeding faster lowering positions of said master switch for successively increasing said field resistance, whereby said armature is maintained in shunt connection with the series connection of said field winding and said field resistance in said lower positions to maintain a substantially constant rate of change of speed with respect to load torque in said lower positions, hoisting and lowering contactors controlled by said master switch, a shunt resistance connected in series connection with said lowering contactor between said armature and said source, said contactors and said shunt resistance being connected to provide a shunting connection with said armature in slow hoist positions of said master switch for stable operation of said hoist at light loads, a dynamic braking resistance, an overhoist limit switch having normally closed power contacts connected between said armature and said source and normally closed contacts connected between one terminal of said armature and said field winding whereby said motor operates as a series motor in said hoist positions, said limit switch having normally open field contacts connected between said field winding and the opposite terminal of said armature and normally open braking contacts in series connection with said dynamic braking resistance, said braking series connection being connected to said one terminal and being shunt connected around said field winding whereby when said switch operates said contactors responsive to operation of said hoist beyond a predetermined position, said power supply is disconnected from said armature and said dynamic braking resistance is connected in series connection with said armature and said field to cause said motor to operate as a generator to brake said hoist, an overhoist relay having normally closed releasing contacts and normally closed energizing contacts connected in the energizing circuit of said lowering contactor, said relay being provided with a solenoid connected through said releasing contacts to said one terminal and in shunt connection with said field winding in said slow speed positions to be energized by current through said field, said solenoid being connected across said armature and said field winding when said limit switch operates to be picked up responsive to flow of current through said field and said armature to drop out said lowering contactor and allow said brake to set and a holding resistance connected between said solenoid and said source for limiting the current in said solenoid to a value between the pickup and dropout current values of said overhoist relay, thereby to retain said relay in picked up position when said master switch is in said slow speed hoist positions.

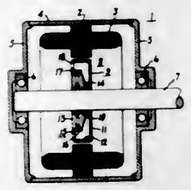
2,579,318

ROTOR FOR DYNAMOELECTRIC MACHINE

Doran D. Hershberger, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 28, 1950, Serial No. 203,155
6 Claims. (Cl. 172—120)

1. A rotor for a dynamoelectric machine comprising a first pole piece member including an annular hub portion adapted to be mounted on a shaft and an annular web portion, said web portion having a plurality of evenly spaced axially extending teeth formed on its outer periphery, an annular permanent magnet mounted on said hub portion of said first pole piece member, and a second pole piece member having an annular hub portion mounted on the peripheral surface of said permanent magnet and an annular web portion, said last named



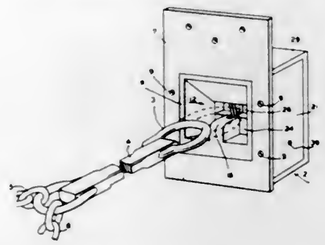
web portion having a plurality of evenly spaced axially extending teeth formed on its outer periphery intermeshed with said teeth of said first pole piece member.

2,579,319

SAFETY CHAIN HOOK FOR TRAILERS

Neal Hudson, Phoenix, Ariz.

Application October 20, 1950, Serial No. 191,215
5 Claims. (Cl. 280—33.15)



1. A safety chain hook for receiving, holding and releasing a safety chain ring, comprising in combination, a hook body having an outer portion, an opening in the face thereof having inwardly converging side and top walls, and a bottom wall having a vertical hook formed thereon extending toward but separated from said top wall having a notch at the top of its inner face, and laterally positioned inwardly extending cheeks enclosing vertical slides; a latch block having a transverse horizontal notch on its outer face adapted to receive a portion of said chain ring, a trigger bar hinged to the lower portion of said block, extending upward into said horizontal notch, and having a dog on its outer face adapted to engage said hook notch to latch said latch block in raised position with said horizontal notch in register with the opening in said body; a piston block vertically slidable between the cheeks of said body inwardly from said latch block; a coupling rod operative between said piston block and said latch block to normally couple said blocks so that they slide together; a handle pivoted to the inner portion of said piston block and extending outward and downward from said case adapted to provide a means for manually raising and lowering said piston block, and connected to said coupling rod so that hinging motion of said handle will slide said rod to uncoupled position relative to said latch block; and a piston on said piston block operative as a cylinder within said body connected to a pipe adapted to be connected to a source of air pressure and vacuum.

2,579,320

PROCESS FOR THE PREPARATION OF 3,4,7-TRIHALOQUINOLINES

Martin E. Hultquist, Bound Brook, and Theodore F. Scholz, South Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 11, 1946, Serial No. 676,088
8 Claims. (Cl. 260—283)

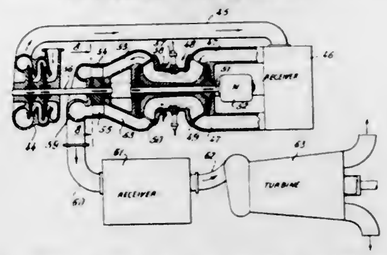
1. The process of preparing a 3,4,7-trihaloquinoline which comprises heating the reaction product of an alkali formylhaloacetic ester with a meta-haloaniline in an inert high boiling organic solvent to effect ring closure and halogenating the 4-hydroxyl group of the thus formed quinoline with a phosphorus oxyhalide.

2,579,321

APPARATUS FOR PRODUCING GAS UNDER PRESSURE

Michel Kadenacy, Summit, N. J.; Nina K. Guercken executrix of said Michel Kadenacy, deceased

Application April 9, 1948, Serial No. 19,973
13 Claims. (Cl. 60—35.6)



1. An apparatus for producing gases under pressure, which comprises the combination of an elongated chamber of substantially uniform cross-section from end to end and having a single inlet orifice and a single exhaust orifice in its side wall at opposite ends thereof, the exhaust orifice having such an area in relation to the cross-sectional area of the chamber as to be suitable for explosive exhaust operation, a pair of rotors mounted at opposite ends of the chamber for rotation on a common axis, each rotor having a peripheral section overlying and normally closing the adjacent orifice, each rotor having at least one opening in said section registrable with the adjacent orifice and of an axial dimension substantially equal to the axial dimension of said adjacent orifice and a circumferential dimension substantially greater than that of said orifice, the openings in the rotors being angularly offset but overlapping with the opening in the rotor at the exhaust end of the chamber leading, means for rotating the rotors in unison and at such a speed that the exhaust orifice is opened within the critical conditions for explosive exhaust, and means for introducing fuel into the chamber.

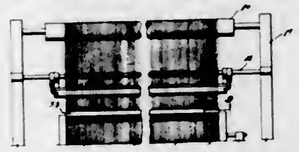
2,579,322

METHOD OF AND APPARATUS FOR LEASING

James F. Keith and Dillon C. Smith, Jr., West Asheville, N. C., assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application November 19, 1948, Serial No. 60,938
5 Claims. (Cl. 28—40)

3. In apparatus for beaming parallel warp yarns including a source of supply and a beam, the improvement that comprises a flat strip-supporting leasing bar, means mounting said leasing bar for free pivotal movement transversely of the path of the parallel yarns adjacent the beam and means for holding the leasing bar in a position below the normal position predetermined by



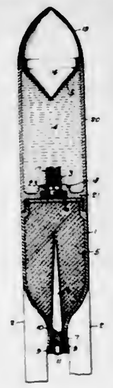
the passage of alternate yarns above and below it in their path to the beam whereby strips of paper may be held in the leasing bar during the beaming operation in a position to co-act with adhesive tapes to hold the parallel threads in parallelism at the outer end of the beam.

2,579,323

ROCKET PROJECTILE

Gregory J. Kessenich, Madison, Wis., assignor of one-sixth to Pauline C. Kessenich, one-sixth to William H. Kessenich, one-sixth to Rose Mary C. Kessenich, one-sixth to Thomas G. Kessenich, and one-sixth to Christopher J. Kessenich, the shares of Thomas G. Kessenich and Christopher J. Kessenich, minors, to be held in trust for their benefit by the co-owners

Application February 14, 1944, Serial No. 522,293
3 Claims. (Cl. 102—49)



2. In an aerial missile, a rocket, airfoil means on the rocket to control it in fin-stabilized flight, an explosive charge carried at the front of the rocket, said charge having a cavity in its forward end and operable on impact, and a liner of rigid material fitting in the cavity of the explosive charge.

2,579,324

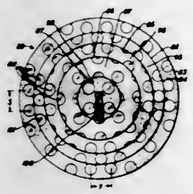
METALLIC STRUCTURE FOR DELAYING PROPAGATED WAVES

Winston E. Kock, Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 16, 1947, Serial No. 748,447
8 Claims. (Cl. 250—33.63)

2. A plano-convex, circularly symmetrical, lens for refracting a radio wave having a given wavelength, said lens comprising circular polystyrene foam slabs extending parallel to each other, a plurality of metallic disks mounted on

each slab, the spacing between adjacent slabs and between adjacent disks on the same slab be-



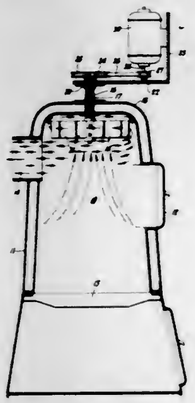
ing less than the wavelength of said wave and the diameter of each disk being less than one-half of said wavelength.

2,579,325

HOT GAS AGITATOR FOR HEATERS

Ralph Anthony Krauss, Philadelphia, Pa., assignor to Anthracite Equipment Corporation, Wilkes-Barre, Pa., a corporation of Delaware

Application June 25, 1947, Serial No. 756,987
4 Claims. (Cl. 110—97)



1. In combination, heating apparatus having a wall portion defining a chamber for a fire bed, and also having a wall portion rigid with the first-mentioned wall portion and extending beyond the same to provide a heat-absorbing chamber in communication with said fire bed chamber for receiving combustion gases from said bed and transferring heat from said gases to a fluid medium, said apparatus also having an opening for the escape of said gases from the second mentioned wall portion, a device comprising rotary blades extending substantially entirely out of alignment with said opening for causing said gases to recirculate along inner surfaces of said second mentioned wall portion, and means forming a positive drive connected with said rotary blades.

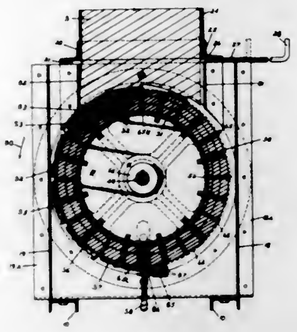
2,579,326

SHORTENING CUTTER

Charles A. Lang, Minneapolis, Minn., assignor to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware

Application January 10, 1949, Serial No. 70,017
4 Claims. (Cl. 146—91)

1. A shortening cutter comprising an upright chute for receiving large masses of solid plastic shortening, said chute terminating at a cylinder, means, including side frames, mounting said cylinder for rotation about a substantially horizontal axis, a plurality of blades mounted on said cylinder for movement inwardly and outwardly in a substantially radial direction relative to said cylinder, a ring of bearing material adjacent each end of the cylinder removably mounted to rotate in said side frames, means to rotate said rings, each ring having a groove therein providing a bearing surface, projections on said blades engaging said grooves on said rings,



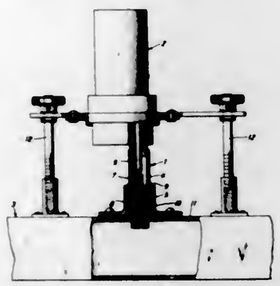
said rings being mounted about an eccentric axis of rotation parallel to said cylinder axis with the axis of eccentricity above the axis of rotation of said cylinder for moving the blades to a condition of maximum projection when they are adjacent the upper course of travel of said cylinder to a condition of retraction when the blades are near the lower course of travel of said cylinder and a scraper blade mounted near the lower course of travel of said cylinder, said scraper blade being parallel to and closely adjacent the surface of said cylinder.

2,579,327

HIGH-FREQUENCY ENERGY ABSORBING VARIABLE COUPLING DEVICE

Nean Lund, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 30, 1946, Serial No. 644,269
13 Claims. (Cl. 178—44)



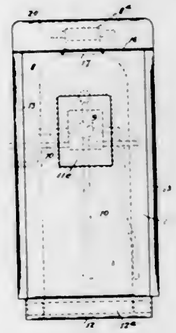
13. In combination a high frequency load circuit, a coaxial transmission line, means for adjustably coupling said transmission line to said load circuit, whereby an adjustable amount of high frequency energy may be transferred from the coaxial line to the load circuit, a high frequency energy absorber, means for adjustably coupling said transmission line to said absorber, whereby an adjustable amount of high frequency energy may be transferred from the coaxial line to the energy absorber, and means comprising a mechanical connection between the two said coupling means for adjusting them simultaneously, the simultaneous adjustment acting to reduce the energy transferred by one of said couplings as it increases the energy transferred by the other coupling.

2,579,328

CASING OR ENCLOSURE FOR WATER SOFTENING APPARATUS

Roberts Kitchener Lynes, Birmingham, England

Application June 7, 1948, Serial No. 31,507
In Great Britain May 3, 1948
5 Claims. (Cl. 312—237)



1. A sectional casing for enclosing water softening apparatus of the type comprising an upright water treating chamber having a neck at its upper end and external piping, said casing comprising a plinth-like base section closed at the front and two sides and open at the rear for insertion at the front and sides of the lower end of said chamber, complemental front and rear clips to embrace the lower end of the chamber and having means for clamping them together against the chamber, one of said clip members being fixed to the sides of the base section, an upright body section designed to enclose the water softening chamber and piping and having front and side walls and being open at the rear to receive the chamber and piping, a top member fixed to the upper end of the body section and having an aperture therein to receive the neck on the chamber, and a cover section removably positioned on the top member and enclosing the upper end of the neck on the chamber.

2,579,329

TRIMETHYLOL PHENOL COMPOUND AND DERIVATIVES THEREOF

Robert W. Martin, Lenox, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application October 18, 1949, Serial No. 122,128
9 Claims. (Cl. 260—621)

1. As new chemical compounds, crystalline salts selected from the class consisting of the sodium and barium salts of 2,4,6-tris(hydroxymethyl)phenol.

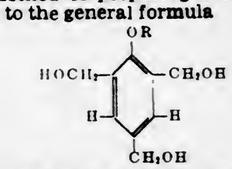
2,579,330

METHYLOL PHENOL UNSATURATED ETHERS

Robert W. Martin, Lenox, Mass., assignor to General Electric Company, a corporation of New York

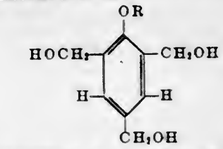
No Drawing. Application January 4, 1951, Serial No. 204,463
14 Claims. (Cl. 260—613)

7. The method of preparing a compound corresponding to the general formula



where R represents a member of the class consisting of unsaturated aliphatic radicals containing at least three carbon atoms, and halogenated derivatives of said unsaturated aliphatic groups, which process comprises reacting (1) previously isolated metallic 2,4,6 - tris(hydroxymethyl) - phenate where the metal atom replacing the hydrogen of the phenolic OH is a member of the class selected from sodium and barium with (2) a halide having the general formula RX where R has the meaning given above and X is a halogen of the class consisting of chlorine, bromine and iodine at a temperature not exceeding substantially 65° C.

10. A heat-converted material obtained by heating at a temperature of from 75° to 250° C. a composition comprising a compound corresponding to the general formula



where R represents a member of the class consisting of unsaturated aliphatic radicals containing at least three carbon atoms, and halogenated derivatives of the aforesaid unsaturated aliphatic radicals.

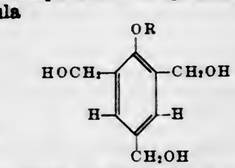
2,579,331

COMPOSITIONS CONTAINING METHYLOL PHENYL ETHERS

Robert W. Martin, Lenox, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application January 4, 1951, Serial No. 204,465
16 Claims. (Cl. 260—33.2)

1. A composition of matter comprising (1) a resinous material selected from the class consisting of polyvinyl alcohol and polyvinyl acetals, and (2) a compound corresponding to the general formula



where R represents a member of the class consisting of aliphatic, cycloaliphatic, aryl-substituted aliphatic hydrocarbon groups, and halogen-substituted derivatives of said aliphatic groups.

2,579,332

METHOD FOR INCREASING THE VISCOSITY OF LIQUID RESINOUS ORGANOPOLYSILOXANES

Henry C. Nelson, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application February 11, 1950, Serial No. 143,824
2 Claims. (Cl. 260—33.4)

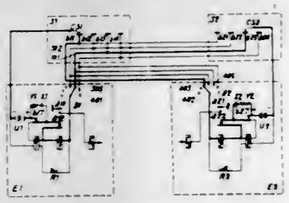
1. The process which comprises (1) forming a solution in an inert solvent of a heat-convertible liquid hydrocarbon-substituted polysiloxane in which the hydrocarbon groups are attached to the silicon atoms by C-Si linkages and are selected from the class consisting of alkyl, aryl, alkaryl, and aralkyl radicals, (2) adding to said solution (*a*) from 0.01 to 10%, by weight, zinc oxide based on the weight of the aforesaid polysiloxane and (*b*) glycerine in at least a molar equivalent to the amount of zinc oxide employed, and (3) heating the aforesaid solution at a temperature of from 100° to 200° C. until a resinous solution of higher viscosity is obtained.

2,579,333

ROTARY-SWITCH STOPPING CIRCUIT

Constantin Pappazoglu, Saint-Cloud, France, assignor to Compagnie Industrielle Des Telephones, Paris, France, a French corporation

Application April 20, 1949, Serial No. 88,588
In France April 20, 1948
1 Claim. (Cl. 179—18)



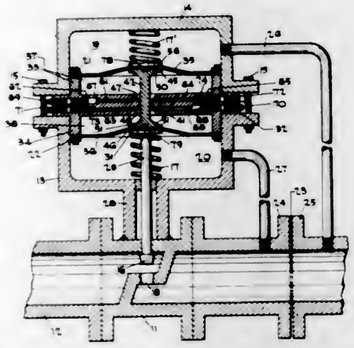
In an automatic-switching, distant-communication exchange: several registers each of which contains at least one marking device, several selectors each of which has a driving magnet, a marking wire multiplied on the homologous contact studs of the marking devices of the registers and on the homologous contact studs of the selectors, and, in each register, the following parts: connected in series, the brush of the marking device, a first extremity of a winding of a first relay, said winding, the second extremity of said winding, a rest contact of this relay, an armature of a second, two-winding relay, the rest contact of said armature, a first pole of an electrically insulated battery, said battery, the second pole of said battery and the brush of a selector; shunted on the second extremity of the winding of said first relay and said armature, a winding of said second relay; shunted on said armature and the rest contact of said armature, a condenser and a resistance mounted in series; shunted in series on said first extremity of said winding of the first relay and said second pole of the battery, a rectifier and the second winding of said second relay; a third relay controlled by the operation of said first relay and whose operation controls the operation of said driving magnet; the resistance of the winding of said first relay and the resistance of the second winding of said second relay being higher than the resistance of the first winding of said second relay, and said third relay being so slow-operating that it only operates when said first relay is permanently energized.

2,579,334

ADJUSTABLE-RATE DIFFERENTIAL PRESSURE RESPONSIVE DEVICE

Norris Plank, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 30, 1949, Serial No. 107,736
2 Claims. (Cl. 137—152.5)



1. A fluid-pressure responsive device comprising a fluid-tight housing, a rigid support plate element dividing the space within the housing into two chambers, said element having an aperture therethrough, a collapsible partition member mounted on either side of the support element to form a liquid-filled compartment within each of said chambers adjacent said support element, inlet means in the housing for supplying a pressure-fluid to said chambers on the outside of said collapsible compartments, a stem slidingly extending through the aperture in the support element and substantially blocking said aperture to liquid flow, said stem being connected an either side of said support element to one of the collapsible partition members, whereby said collapsible partition members are displaced together in one direction in response to pressure differentials between said chambers, and liquid flow means in communication between said compartments, said flow means comprising at least two separate channel means, check valve means in each of said channel means permitting flow therethrough only in a direction opposite to that of the other channel means, control valve means in said channel means for adjusting the flow rate therethrough to a desired value, and valve means carried by said stem for closing said channel means when either of said collapsible partition members are subjected to excessive pressure.

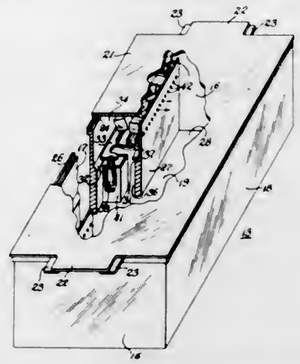
2,579,335

REFRIGERATOR CRISPER

George L. Pownall, Cincinnati, Ohio

Application August 31, 1949, Serial No. 113,338
6 Claims. (Cl. 62—80)

4. A refrigerator crisper which comprises a hollow box, an upright main partition in said box dividing the box into a storage compartment and a humidifier compartment, a transverse partition in the humidifier compartment dividing the humidifier compartment into a lower enclosed water trap section and an upper ice holding section, means in the ice holding section for supporting particles of ice, the upper part of the main partition being apertured to permit circulation of air between the storage compartment and the upper section of the humidifier compartment, means for discharging ice meltage from the upper section of the humidifier compartment to the lower section thereof, and a water-sealing trap between the sections of the humidifier compartment to isolate the meltage in the lower section from air in the upper section of the humidifier compartment and in the storage compartment.

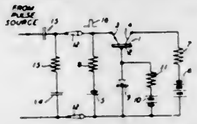


2,579,336

STABILIZED TRANSISTOR TRIGGER CIRCUIT

Alois J. Rack, Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 15, 1950, Serial No. 185,041
7 Claims. (Cl. 171—97)



1. An electrical trigger circuit which comprises a current-multiplication transistor having a semiconductive body and a base electrode, an emitter electrode and a collector electrode making contact with the body, a unidirectionally conducting element connected in series with the base electrode and poled for forward conduction in the opposite direction to that of normal transistor base current, and a source of operating potential interconnecting said unilaterally conducting element with said collector electrode, whereby said circuit is stable when the current through said element flows in the forward direction, and is unstable when the current through said element flows in the reverse direction.

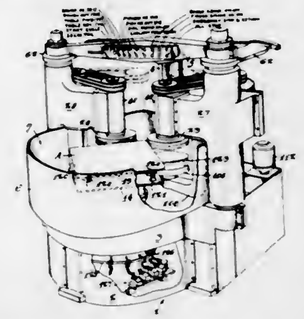
2,579,337

MACHINE FOR EDGE GRINDING PLATES

William A. Reaser, Toledo, and Elmer A. Ziems, Rossford, Ohio, and John M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio, a corporation of Ohio

Application April 13, 1949, Serial No. 87,242
12 Claims. (Cl. 51—101)

1. In a machine of the class described, means for holding and rotating a work plate to be edge ground, a template rotatable with said plate, a swinging arm, an abrading wheel and a template wheel carried by said arm and movable by swinging movements thereof into and out of edge engagement with the work plate and template, respectively, spring means for retracting the arm from abrading position, and means for returning the arm to abrading position, said last means being operable to impart a predetermined positive return movement to said arm and then to exert a yielding abrading pressure thereon.

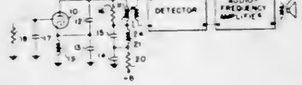


2,579,338

SUPERREGENERATIVE WAVE-SIGNAL TRANSLATING SYSTEM

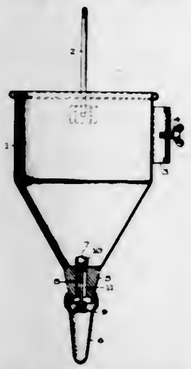
Donald Richman, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application March 16, 1948, Serial No. 15,244
20 Claims. (Cl. 250—20)



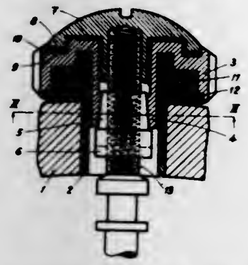
1. A superregenerative wave-signal translating system comprising: a regenerative oscillatory circuit having a predetermined oscillatory frequency; quench means coupled to said circuit for effecting a major cycle of conductance variation in said circuit to provide superregenerative amplification of a wave signal applied to said circuit, said cycle having a portion representing a conductance change from a positive to a negative value; a signal-generating network so proportioned as to develop a periodic signal component which has a frequency within a range of one and one-half to ten times the frequency of said major cycle but which is substantially less than one-half said predetermined oscillatory frequency, and which occurs in such time relation with respect to said major cycle when applied to said regenerative circuit to effect in at least said portion of said cycle an undulation corresponding to the superposing of a minor cycle of conductance variation on said major cycle; and coupling means for applying said periodic signal component to said regenerative circuit, whereby said system has a substantially uninterrupted frequency-response characteristic with at least one reduced-response serration at a frequency spaced in the frequency spectrum from said oscillatory frequency and related to the occurrence of said minor cycle within said major cycle.

2,579,339
LIQUID FEEDING DEVICE
George Patrick Rose Miller, Barevan, Cawdor, Nairn, Scotland
Application October 11, 1949, Serial No. 120,664
In Great Britain October 20, 1948
1 Claim. (Cl. 119—71)



A feeder device for use in feeding liquid food to young animals, including a food-containing vessel, at least one tubular nozzle member fitted to the lower part of said vessel, said nozzle member having a channel extending therethrough and communicating with said food-containing vessel, a teat attached to said nozzle member having its upper end communicating with the lower end of said channel, and a gravity-operated valve incorporated in said nozzle member and seated at the upper entrance to said channel, said valve having a depending stem extending within said channel and projecting into said teat, said depending stem terminating in a knob disposed below the nozzle, said knob having a cross-sectional area substantially less than the adjacent inside area of the teat and being spaced therefrom, said knob and stem being adapted to be displaced upwardly by the mouth of the animal when sucking to unseat the valve temporarily, whereby the liquid flows through the channel and between the knob and the inner wall into the teat.

2,579,340
WINDING STEM WITH REMOVABLE CROWN
Werner Schmitz, Grenchen, Switzerland
Application October 27, 1945, Serial No. 625,042
In Switzerland November 28, 1944
8 Claims. (Cl. 58—90)

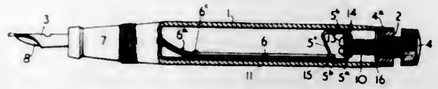


1. In a winding-up device for watches, a winding stem threaded on its outer end, a chuck with an internal thread and an inclined jaw surface, screwed to said outer end adjustably in longitudinal direction of said winding stem, a crown comprising, a member with a camming surface squeezing said chuck on said stem, and a screw screwed to said outer end and in cooperation with said member to press said camming surface against said inclined jaw surface.

2,579,341
PREPARATION OF PHENYLCHLOROSILANES
William A. Schwenker, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 3, 1951, Serial No. 213,801
5 Claims. (Cl. 260—448.2)

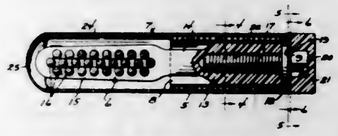
1. The method of making phenylchlorosilanes which comprises passing at an elevated temperature chlorobenzene over a contact mass comprising finely divided commercial silicon containing traces of aluminum, there being present in the powder from about 1 to 10%, by weight, sodium chloride, based on the weight of the silicon.

2,579,342
FOUNTAIN PEN
Edward Stephen Sears, Bushey Heath, England, assignor to Mabie Todd & Company Limited, London, England, a British company
Application December 31, 1947, Serial No. 794,901
In Great Britain June 15, 1945
4 Claims. (Cl. 120—46)



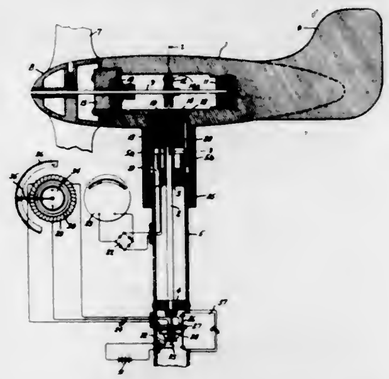
3. A sac self-filling fountain pen comprising in combination a barrel, a nib holder closing one end of said barrel, a compressible sac within said barrel and connected to said nib holder, a threaded plug closing the opposite end of said barrel, a knob rotatably connected to said threaded plug, a carrier associated with said knob whereby upon the rotation of the latter said carrier will be caused to move longitudinally in opposite directions within said barrel, an inclined bar formed with said carrier, a pressure plate resting upon and extending longitudinally of said sac and slidably connected at one end to said inclined bar, and a flexible tail bar connected to the opposite end of said pressure plate and in stop abutment with said nib holder whereby when said carrier is projected within said barrel said flexible tail bar is caused to buckle to force said pressure plate to the lower end of said inclined bar and upon said sac to deflate the latter.

2,579,343
RETRACTABLE AND FOLDING TOOTHBRUSH
Mark E. Sherland, Sr., McGehee, Ark.
Application January 5, 1949, Serial No. 69,311
1 Claim. (Cl. 15—184)



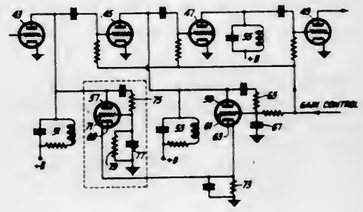
In a toothbrush, a cylindrical casing section having an inwardly directed flange at one end forming a central opening, diametrically opposed longitudinally extending guide ribs on the internal surface of said casing section, an enlarged head slidably mounted within said casing section, guideways in said head to receive said guide ribs, a shank formed on said head and projecting from one end of said casing section, a toothbrush supported on the outer end of said shank, a manually operable screw actuator rotatably carried by the casing section and having its threaded end received in a correspondingly threaded opening extending centrally and longitudinally in said head whereby said head may be moved from one end of said casing section to the other end of said casing section to retract and project said shank and toothbrush, an annular flange of increased diameter adjacent one end of said actuator adapted to abut with the inwardly directed flange on said casing section, a reduced rounded section on said actuator outwardly of the flange on said actuator forming a bearing surface for the inner edge of the opening of the inwardly directed flange on said casing, a square shaped projection on said actuator outwardly of said reduced section to receive an actuator knob thereon, externally of said casing section to facilitate rotation of said actuator, an inwardly directed struck out projection in said casing section, a longitudinal guide groove in said head to cooperate with said projection and limit the projection of said head, and an elongated housing adapted to be snugly fitted over said casing section to enclose said toothbrush.

2,579,344
ANEMOMETER CONSTRUCTION
Frederick R. Sias, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application March 14, 1947, Serial No. 734,612
5 Claims. (Cl. 73—189)



1. An anemometer comprising a wind vane structure mounted for rotation on a vertical axis, a propeller secured on a horizontal shaft on said structure, said propeller being designed to be driven by the wind at a speed proportional to wind velocity, a polarized rotor structure having alternate north and south poles mounted on said horizontal shaft so as to be driven by said propeller, a vertical shaft for rotatively supporting the wind vane on its vertical axis of rotation, said shaft having an upper portion of magnetic material extending into the vicinity of the path of rotation of said polarized rotor so as to have an alternating flux induced therein when the rotor rotates, the magnetic coupling between the rotor and magnetic shaft portion being independent of the direction in which said wind vane may be headed, a stationary structure having bearings for supporting the vertical shaft, a coil mounted on said stationary structure surrounding said magnetic shaft section so as to have an alternating voltage induced therein when the rotor is driven by said propeller, which voltage has a component proportional to the rotor speed and an electrical measuring instrument connected to said coil for the measurement of the speed component of said voltage in terms of wind velocity.

2,579,345
AMPLIFIER BAND WIDTH CONTROL
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 5, 1947, Serial No. 759,280
9 Claims. (Cl. 179—171)

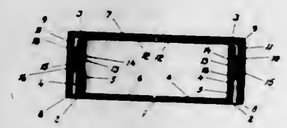


3. In a frequency band pass circuit, a plurality of signal networks each nominally tuned to different mean frequencies spaced within the band pass of the circuit, a signal translating device connected for tunably isolating but coupling energy from the output of one network to the input of an adjacent network, means connected with said band pass circuit responsive to the amplitude of signal passing therethrough to develop a unidirectional control potential, means connected with at least one of said signal networks for changing the mean frequency thereof in accordance with an applied control potential, and connections for applying said unidirectional control potential to said frequency changing means with such electrical sense to compress the spacing of said signal network mean frequencies during the passing of low amplitude signals.

2,579,346
SELF-LOCKING BOX
Per Olof Theander, Goteborg, Sweden
Application April 29, 1948, Serial No. 23,990
In Sweden September 26, 1945
2 Claims. (Cl. 229—45)

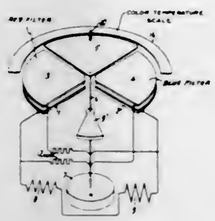
1. Improvements in cardboard boxes comprising in combination a container formed from a single sheet of folded material, said container having a pair of opposite walls each formed by two parallel sections folded together and along a common line of said material, the outside section of each of said opposite walls having longitudinal slits formed in the medial portions

thereof with each slit forming a bulge extending in its respective section between said common fold line of the section and said slit and a cover for said container formed also from a single sheet of folded material, said cover having a pair of opposite walls each formed by two parallel sections folded together and along a common line of said material, the inside section of each of



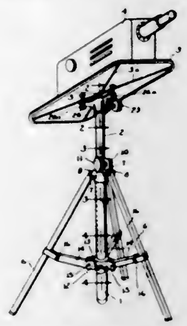
said opposite walls having longitudinal slits formed in the medial portions thereof with each slit forming a bulge extending in its respective section between said common fold line of the section and said slit and said slits of said cover being positioned for aligning with said slits of said container when said cover is on said container.

2,579,347
COLOR TEMPERATURE METER
Clement F. Taylor, Peabody, Mass., assignor to General Electric Company, a corporation of New York
Application January 20, 1950, Serial No. 139,779
8 Claims. (Cl. 88—22.5)



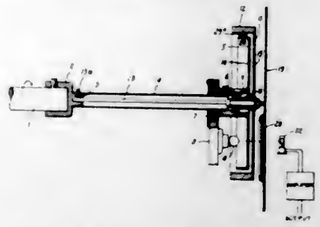
1. A color temperature meter comprising a pair of similar photovoltaic cells, light intercepting means in the path of light to said cells including a red filter and a blue filter in parallel light intercepting relation, a portion of said light intercepting means being adjustable to vary the relative magnitude of the filtered light of one of said colors reaching one cell as compared to the magnitude of the filtered light of the other of said colors reaching the other cell, an electrical instrument having a two-pole permanent magnet pivotally mounted and freely rotatable armature, the adjustable portion of said light intercepting means being movable directly by and with said armature, and a stationary field winding for said instrument connected directly to said cells so as to be energized in response to the differential output of said cells, and which when energized determines the rotary movement of said armature, the rotation of said armature in response to such differential cell output being in a direction to equalize the output of said cells.

2,579,348
SUPPORT FOR TABLE FOR PROJECTORS OR THE LIKE
James Y. Taylor, Garland, Tex.
Application June 2, 1947, Serial No. 751,852
2 Claims. (Cl. 248—178)



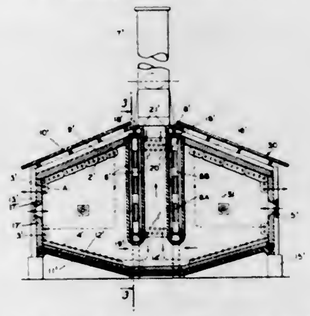
1. In a device of the character described, an upright supporting post having a reduced portion at its upper end providing an annular shoulder, a collar pivotally mounted on said reduced portion and supported on said shoulder and adapted to rotate in a horizontal plane, means for locking said collar in any of its horizontally rotatable positions, said collar having circumferentially spaced outwardly extending horizontal portions provided with openings through their outer ends, a table top supported directly on the upper end of said reduced portion and having openings aligned with the openings in said horizontally extending portions of said collar, screws extending through the aligned openings for adjusting the angularity of said table, a tubular member for receiving said supporting post in telescoping engagement, a tripod for supporting said tubular member in an upright position, and means for vertically adjusting said supporting post with respect to said tubular member and tripod, and means for clamping said parts in adjusted position.

2,579,349
SPEED INDICATING DEVICE
Edward C. Vrooman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 21, 1946, Serial No. 717,666
7 Claims. (Cl. 264—12)



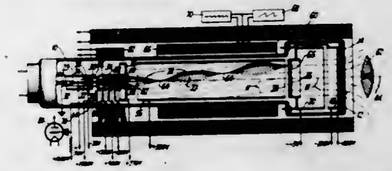
6. A speed indicating device for a rotating shaft comprising, a first disk of relatively large mass having an overhanging peripheral portion connected to said shaft by a torsionally resilient coupling and exposed to the effect of windage as said shaft is rotated, a second disk of relatively small mass rigidly connected to said shaft and disposed in substantially parallel spaced relation with said first disk, said second disk being sheltered from the effect of windage by said overhanging portion of said first disk, and visual indicating means for detecting relative angular displacement of said disks during rotation, thereby to measure the speed of said shaft.

2,579,350
FURNACE
Louis J. Weber, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 1, 1946, Serial No. 666,383
2 Claims. (Cl. 122—356)



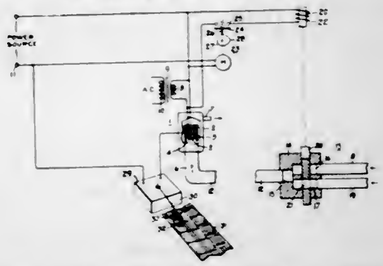
1. A tube heater comprising a central framework extending from a central ground base to the top of said heater; a floor extending upwardly and outwardly from said central ground base to each of two opposite ends of said heater; an end wall extending upwardly from said floor at its ends; two cross beams spaced apart, laterally extending across said heater and attached to the upper portion of said central framework; a roof assembly extending downwardly and outwardly from said cross beams to said end walls; side walls extending between said end walls, said floor, and said roof sections, said side walls closing the sides of said heater; a bridgewall extending downwardly into said heater from each said cross beam, said bridgewalls being suspended solely from said cross beams, being unattached at their ends and spaced from said floor sufficiently to allow gas passage therebetween and dividing said heater into two radiation sections and enclosing a convection section, each said bridgewall being open at its upper end and comprising a plurality of perforate vertical support members rigidly affixed at their upper ends to one of said cross beams, a horizontal support member attached to the lower ends of said vertical support members, refractory sections fastened to opposite sides of said vertical support members and extending across said heater, whereby two walls are formed on opposite sides of said vertical support members, refractory sections fastened to said horizontal support member and connecting the two walls formed on said vertical support members whereby a continuous passage is formed through said vertical support and along the length of each bridgewall between said connected oppositely disposed walls; baffle members slidably affixed in the open upper end of each said bridgewall, whereby the opening at the upper end of said bridgewalls can be controlled in size; a stack extending upwardly from and supported by said central framework and communicating with said radiation sections through said convection section and said spaces beneath said bridgewalls, said bridgewalls being expandible laterally and vertically; banks of heating tubes disposed within said radiation sections so as to be substantially parallel respectively to said roof assemblies and said sloping floor; a bank of heating tubes within said convection section; and burners mounted in said radiation sections and directed toward said bridgewalls.

2,579,351
ISOCON PICKUP TUBE
Paul Kessler Weimer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 30, 1949, Serial No. 113,124
13 Claims. (Cl. 315—11)



1. An electron discharge device comprising an envelope, means including a cathode electrode within said envelope for forming and directing an incident beam of electrons along an axial path, a target electrode mounted transversely to the path of said incident electron beam and adapted to be maintained near cathode potential for scattering and reflecting respective portions of said incident electron beam, and electrode means mounted between said cathode electrode and said target electrode and having an aperture for separating said scattered beam portion from said reflected beam portion, said means having another aperture for limiting the cross-sectional areas of said incident beam.

2,579,352
METHOD AND APPARATUS FOR THE QUANTITATIVE MEASUREMENT OF IMPURITIES IN AN ATMOSPHERE
William C. White, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 28, 1950, Serial No. 158,798
12 Claims. (Cl. 175—183)

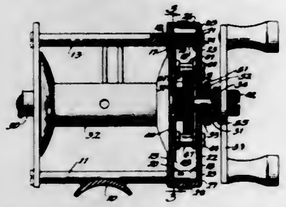


1. The method of quantitatively determining foreign substance in a gas atmosphere which comprises periodically introducing the gas between a pair of electrodes, applying a potential difference between the electrodes, measuring changes in the current between the electrodes due to the presence of said substance, and periodically introducing between the electrodes gas devoid of said substance.

9. Apparatus for measuring foreign substance in a gas atmosphere comprising an electrical discharge device including a pair of electrodes, means for periodically causing a flow of the gas

containing said substance to pass between said electrodes, means for periodically causing the flow of other gas between said electrodes, and means for detecting changes in the current between said electrodes caused by the formation of positive ions in said device.

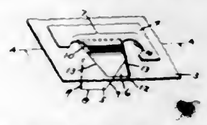
2,579,353
FISHING REEL
Walter Willman, St. Petersburg, Fla., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan
Application April 18, 1946, Serial No. 663,049
5 Claims. (Cl. 242—84.1)



1. In a fishing reel, the combination of a tail plate at one end and at the other end inner and outer head plates defining a chamber therebetween, a plurality of sectional means spaced from each other and each extending in a straight line from end to end and consisting of a pillar and a post detachably and adjustably connected with an end of the pillar and connecting the tail plate with the inner head plate and the inner head plate with the outer head plate, the inner head plate being clamped between the pillar and the post and the post providing the connection between the inner head plate and the outer head plate, there being in the inner head plate a circular opening, a bearing plate having a peripheral shoulder overlapping the marginal edge of the circular opening of the inner head plate to provide a closure therefor, means interconnecting the bearing plate and outer head plate at a plurality of spaced points in normally inseparable relation whereby the bearing plate is supported by the outer head plate and removable therewith as a unit from the inner head plate when the inner head plate is disengaged from the tail plate, a spool mounted for rotation between the tail plate and the bearing plate, a stud mounted on the bearing plate and extended outwardly therefrom opposite an opening in the outer head plate through which the stud projects, a gear mechanism within the chamber including a gear rotatably mounted upon the stud and having driving connection with the spool; a bearing through which the gear carried by the stud is journaled for rotation, said bearing being carried by the outer head plate and longitudinally adjustable and having abutting engagement with the gear upon the stud, and an operating handle in connection with the gear mechanism mounted for rotation coaxially with the stud.

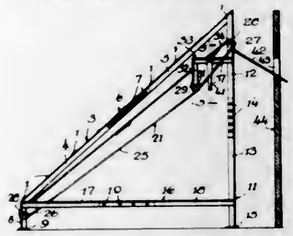
2,579,354
CLOSURE FASTENER
Elmer J. Zelt, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 29, 1950, Serial No. 187,482
2 Claims. (Cl. 220—60)

2. In an electrical ballast casing of the type having a main tub-like portion with outwardly extending oppositely disposed flat end flanges in the same plane and a flat cover member having ends which overlie said flanges, an opening in each flange having a long inner end and a short outer end joined by straight tapered sides, an integral projection on each end of said cover extending substantially at right angles to the plane of said cover toward said main casing portion, each projection having a long base and a short



end joined by straight tapered sides and notches in the sides of each projection adjacent its base, the length of the base of each projection being substantially equal to the long inner end of each flange opening, the short end of each projection being substantially equal to the length of the short outer end of each opening, said notches embracing the sides of said flange openings for fastening said cover in place.

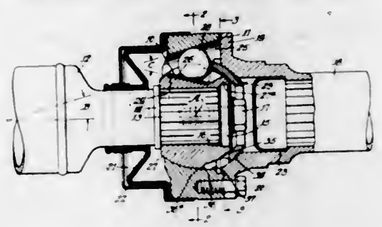
2,579,355
CHICKEN ROOST
Charles John Ahrens, Norwood Park, Ill.
Application August 12, 1948, Serial No. 43,929
2 Claims. (Cl. 119—24)



1. A protective apron for mounting beneath a chicken roost comprising a conveyor system for collecting the excrement and including a conveyor chain at each side of the roost, a shaft adjacent the upper and lower ends of the roost and to which the chains are connected, slats having their opposite ends attached to the chains and their opposite edges in closely spaced relation to prevent discharge therebetween, said slats being substantially wedge-shaped in cross-section whereby the adjacent surfaces of adjoining slats provide pockets in which the excrement collects, and when the shafts and conveyor chains are operated to move the slats over the upper shaft these slats discharge the collected excrement.

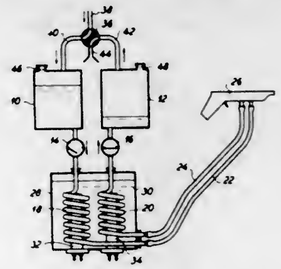
2,579,356
CONSTANT VELOCITY JOINT
Edmund B. Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 1, 1947, Serial No. 731,776
3 Claims. (Cl. 64—21)

1. In a universal joint assembly, in combination, a male torque transmitting element having a hemispherical surface and a female torque transmitting element having an opening therein, the hemispherical surface of said male element terminating at its greatest radius, the opening in said female element being defined on one end by a hemispherical surface and the male element being disposed within said female element with said hemispherical surfaces in engagement, the hemispherical surface of said female element terminating at its greatest radius and the other end of said opening being larger than said male element so that the male element is readily in-



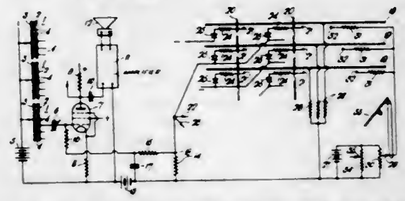
sertable within the female element to engage said hemispherical surfaces in the assembly of said elements, said hemispherical surfaces being provided with a plurality of pairs of registering raceways therein, a ball in each pair of raceways, and means maintaining said elements and balls in assembly.

2,579,357
SPRAY PAINTING APPARATUS
Knud Elholm Arvedlund, Lyngby, Denmark, assignor to Karl Adolf Hartmann, Copenhagen, Denmark
Application September 10, 1946, Serial No. 695,876
In Denmark September 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1965
4 Claims. (Cl. 299—58)



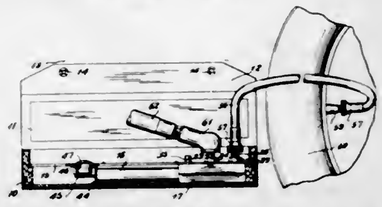
1. An air pressure spray painting apparatus comprising a storage container for paint to be sprayed, means for heating the paint, a spraying device, a conduit connecting said storage container to said spraying device and emerging in said storage container below the level of the paint therein, a receiving container and a second conduit connecting said spraying device to said receiving container so as to allow excess of paint from the spraying device to be led to the receiving container, the apparatus being provided with means for admitting the air pressure in said storage container in the space above the level of the paint therein so as to expel the paint from said container into the conduit leading to said spraying device, and means for creating a suitable counter-pressure against the flow of paint from said spraying device to said receiving container inferior to the air pressure in said storage container.

2,579,358
ELECTRICAL MUSICAL INSTRUMENT
Leslie Edwin Alexander Bourn, Ashford, England
Application August 7, 1947, Serial No. 767,203
In Great Britain November 22, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 22, 1964
9 Claims. (Cl. 84—1.19)



1. An electrical musical instrument comprising loud speaker means, a multiplicity of frequency generators, said generators including electrodes between which the frequencies are generated in the form of undulating potential differences induced electrostatically, electronic valves through which said frequencies are transmitted to said loud speaker means, said electronic valves each having a control electrode, means whereby the control electrodes of said valves are normally kept at a negative potential for rendering said valves non-transmissive, said last named means comprising a source of negative potential, three resistances in series between each control electrode and said source, and a condenser connected across two of said resistances, and control means for selectively raising the potentials of said control electrodes and thereby rendering said valves selectively transmissive, said control means comprising a source of positive potential and means for selectively connecting the points between those pairs of resistances across which the condensers are connected to said source of positive potential.

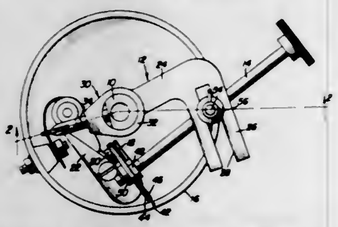
2,579,359
DEVICE FOR TESTING AIR LINE PRESSURE GAUGES
Ralph K. Boyer, Lakewood, and Harry W. Krohn, Jr., Cleveland, Ohio, assignors to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 16, 1949, Serial No. 110,643
1 Claim. (Cl. 73—4)



A gauge for testing inflating apparatus or air line gauges comprising an open top elongated box-like container adapted to have a closure member associated therewith, a supporting plate mounted in said container and providing a planular surface accessible from the top of the container and provided with an opening mounting a transparent closure element, a body mounted in said container beneath said plate and extending lengthwise of the container and plate and provided with a bore extending longitudinally of the body and plate, said body being provided with two threaded bores spaced longitudinally of the

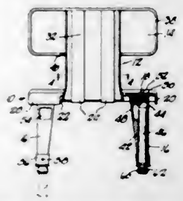
body and extending transversely to and communicating with said first named bore and being substantially perpendicular to the planular surface of the supporting plate, said plate being provided with openings registering with said two spaced threaded bores, threaded fittings extending through said openings in the plate and screwed into said threaded bores, one of said fittings having its outer end adapted to be connected to the valve stem of an inflatable container such as a vehicle tire, the other of said fittings being internally threaded and shaped to have mounted therein a normally closed valve mechanism and to have applied thereto the chuck of an air line hose which acts to open said valve mechanism, said body being provided beyond said longitudinally extending bore with a valve plunger bore extending perpendicular to said planular surface of said plate and transversely to said longitudinal bore and substantially parallel to said two threaded bores, said plate being provided with an opening registering with said valve plunger bore, said body being provided with a port interconnecting said longitudinal bore and said valve plunger bore and with a second and smaller longitudinal bore and a port interconnecting the second longitudinal bore with said valve plunger bore, a master gauge connected to said body and located in said container beneath said plate and in communication with said second longitudinal bore and including a movable gauge member having a gauge scale thereon located beneath said transparent closure element mounted in said plate, and a plunger valve mounted in said plunger valve bore and controlling communication between said first and second longitudinal bores and including an actuating button extending through the opening in said plate which registers with said plunger valve bore, and spring means normally maintaining said plunger valve in position wherein communication between said first and second longitudinal bores is closed.

2,579,360
TOOL
Walter D. Brown, Jacksonville, Fla.
Application April 12, 1950, Serial No. 155,413
2 Claims. (Cl. 51—241)



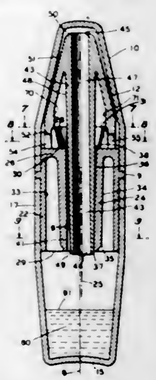
1. A device to face the confronting surfaces of distributor points located adjacent a distributor rotor shaft, said device comprising a support having a bore adapted to be clamped around the rotor shaft, a locking element for retaining the support on the rotor shaft, said support having a slot therein, a spindle, means mounting said spindle in a plane perpendicular to the axis of the bore for rotation on said support, an abrading member secured to said spindle and having parallel surfaces with cutting elements thereon to abrade the confronting surfaces of both points at the same time, said means mounting said spindle including a bearing with a shank extending therefrom and disposed in said slot for adjustment therein, and a fastening element carried by said shank holding said shank fixed to said support in a selected position with respect to said slot.

2,579,361
CHAIR CONSTRUCTION
Harry H. Cadman and John J. Ducey, Elkhart, Ind.
Application May 1, 1948, Serial No. 24,548
6 Claims. (Cl. 155—191)



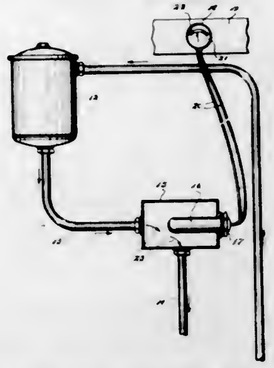
1. An article of furniture comprising a plurality of legs and a substantially horizontal seat panel supported on and secured to said legs, each of said legs and seat panel being formed separately from rigid plastic material, each leg having a socket formed in the upper end thereof defined by an integral longitudinal tubular portion and a transverse portion spaced inwardly from the upper edge of said tubular portion, and a plurality of depending portions fused to the bottom of said seat panel and each of a size and shape to fit snugly in said leg socket in face engagesment with said tubular and transverse portions, said depending portion and leg socket portions being fused together.

2,579,362
INHALER
John M. Cage, Upper Montclair, N. J.
Application October 31, 1946, Serial No. 706,911
4 Claims. (Cl. 128—186)



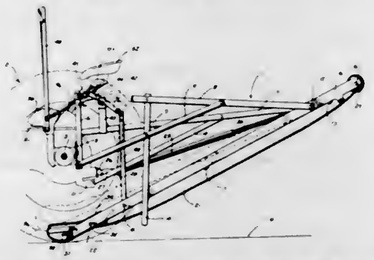
1. An inhaler comprising: a hollow base adapted to contain a liquid; a partial closure for said base having an opening therein; a nozzle including a tube depending therefrom said nozzle engaging said closure and said tube penetrating said opening and incompletely filling said opening, providing an air passage between the outer surface of said tube and the edge of said opening; and means eccentrically positioning said tube with relation to the axis of said opening; said means including an element disposed within said base inwardly of said closure and contacting said tube.

2,579,363
OIL TEMPERATURE INDICATING DEVICE
John Cataldo, Revere, Mass.
Application March 29, 1949, Serial No. 84,211
2 Claims. (Cl. 73—349)



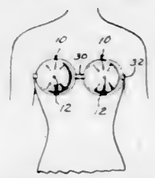
1. Temperature indicating apparatus for the lubricating system of a motor vehicle having an oil-circulating pipe and an oil filter therein, comprising a closed chamber connected in said pipe between the oil filter and the crankcase of the engine, a thermal responsive element disposed in said chamber, a temperature indicator, and a conduit between the thermal responsive element and the indicator for actuating the indicator in response to the temperature of said element, said chamber being disposed between separated sections of said pipe, the pipe section leading from the oil filter being connected to the chamber at one side thereof and substantially above its bottom, the pipe section leading from the chamber being connected to its said bottom, and the thermal responsive element comprising an immersion bulb rigidly mounted in another side of the chamber, substantially above its bottom.

2,579,364
ELEVATOR MECHANISM
Robert F. Collins, Seymour, Iowa
Application May 24, 1948, Serial No. 28,872
1 Claim. (Cl. 198—123)



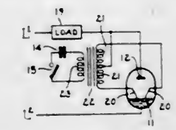
In a device of the class described, a frame designed to be secured to a supporting vehicle, an elevator mechanism hingedly secured by one of its ends to said frame, an elongated member hingedly secured by one of its ends to the other end of said elevator, a horizontal support member secured to said frame near the other end of said elongated member, a rigid member hingedly secured by one of its ends to the other end of said elongated member; said horizontal support member engaging said rigid member on its under side and intermediate of its ends, and a means for selectively applying a downward force of releasing downward pressure on the other end of said rigid member.

2,579,365
BRASSIÈRE
Joseph Condé, New York, N. Y.
Application September 11, 1948, Serial No. 48,791
2 Claims. (Cl. 2—42)



1. A breast simulator comprising a self-sustaining hollow cup of substantially impervious, non-absorbent, odorless, non-toxic plastic, said cup being of symmetrical, substantially hemispherical form, and having ventilating perforations therein, the part of the cup adjacent to the apex thereof being imperforate, said cup having an integral flange extending entirely around the same and merging smoothly into the inner surface of the cup, said flange having spaced openings therein for engagement with attaching means, the body of the cup and the flange being of a uniform degree of stiffness.

2,579,366
CONTROL CIRCUIT FOR MULTIPLE HIGH RESISTANCE IGNITION ELECTRODE
Irvin W. Cox, West Allis, Wis., assignor to Cutler-Hammer Inc., Milwaukee, Wis., a corporation of Delaware
Original application November 12, 1948, Serial No. 59,480. Divided and this application April 13, 1950, Serial No. 155,652
3 Claims. (Cl. 315—341)



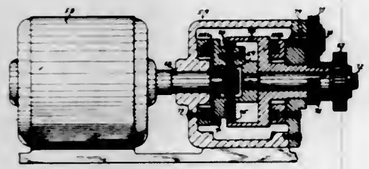
1. The combination with a discharge tube having a reconstructible cathode pool, a cooperating anode and a plurality of ignition electrodes, each having one of its ends in contact with said pool, of a source of ignition voltage interposed between the two other ends of said ignition electrodes, and a connection between said anode and the neutral point of said source.

2,579,367
BANDAGE
Raymond M. Curtis, John H. Brewer, and Arthur E. Stickels, Baltimore, Md., assignors to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md., a corporation of Maryland
No Drawing. Application November 24, 1950, Serial No. 197,500
20 Claims. (Cl. 167—84)

1. A dressing for burns, wounds, bed sores, ulcers, skin abrasions, skin grafts and similar

pathological conditions consisting essentially of the reaction products of a film consisting essentially of an aqueous solution of an alkali soluble, non-antigenic, heavy - metal - salt - coagulatable protein and a layer of fabric carrying a non-toxic, heat sterilizable, water soluble heavy metal salt coagulant for said protein, said fabric being in operative contact with said film.

2,579,368
MACHINE TOOL
Myron S. Curtis and Harry Schoepe, Cleveland, Ohio, assignors to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 18, 1946, Serial No. 684,595
20 Claims. (Cl. 29—50)

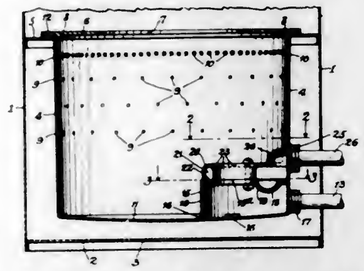


9. In an apparatus of the character described, a power transmission unit comprising a driving member and two driven members, a reversible electric motor connected with said driving member, means including a plurality of electromagnetic means to selectively provide driving relationship between either of said driven members and the said driving member, and an electrical circuit interconnecting said motor and said electromagnetic means, said circuit including means for selectively energizing said motor to operate in either a forward or reverse direction, means in said circuit to energize one of said electromagnetic means to provide driving relationship between one of said driven members and said driving member whenever the means for selectively energizing said motor is operated to energize the motor for operation in either direction, and means in said circuit to energize the other of said electromagnetic means to provide driving relationship between the other of said driven members and said driving member, the last-named means including means to energize said motor for rotation in one direction only.

2,579,369
ADDITION ALLOY FOR TREATMENT OF STEEL
Charles N. Dawe, Detroit, Mich., assignor to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application September 13, 1948, Serial No. 49,119
9 Claims. (Cl. 75—138)

8. An alloy for addition to molten steel and effective in increasing the hardenability and refining the grain size of the steel composed of about 35 to 65% aluminum, about 0.02 to 5% boron, about 5 to 35% of at least one of the elements selected from the group consisting of titanium and zirconium, about 2 to 35% vanadium, and up to about 30% of an element selected from the group consisting of silicon and manganese, the remainder being iron and incidental impurities, said iron being at least 15%.

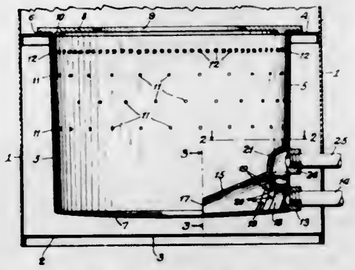
2,579,370
PILOT BURNER
Harold B. Donley, Columbus, Ohio, assignor to Columbus Metal Products, Inc., Columbus, Ohio, a corporation of Ohio
Application October 11, 1947, Serial No. 779,356
1 Claim. (Cl. 158—91)



For use in a burner having a pot which includes a bottom wall and a side wall, a generally imperforate walled pilot structure adapted to be positioned within the pot, said pilot structure including side and top wall portions having edges adapted to contact the side and bottom walls of the pot and to define, with the side and bottom walls of the pot, a mixing chamber adapted to receive the liquid fuel supply of the pot, said pilot structure including an upper wall portion adapted to define with the pot side wall and the top wall portion of the mixing chamber a plenum chamber above the mixing chamber, said plenum chamber being outwardly open and adapted to receive air through the pot side wall, the top wall of the mixing chamber being provided with a flame aperture, the wall portions of the pilot structure including an annular wall portion surrounding the flame aperture and extending therefrom upwardly through the plenum chamber, said pilot structure being formed adjacent its lower edge to permit the flow of unvaporized liquid fuel from the mixing chamber into the interior of the burner, the annular wall portion which surrounds the flame aperture being provided with small air apertures in communication with the plenum chamber, formed and adapted to direct air upwardly about a mixture flowing upwardly from the mixing chamber through the flame aperture, the top wall portion of the mixing chamber having air outlets adapted to permit air to flow from the interior of the plenum chamber into the interior of the mixing chamber.

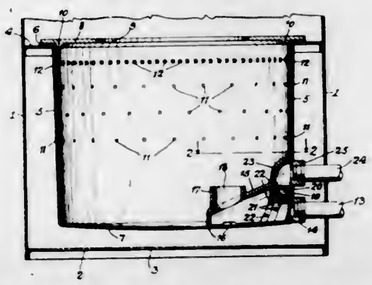
2,579,371
PILOT BURNER
Harold B. Donley, Columbus, Ohio, assignor to Columbus Metal Products, Inc., Columbus, Ohio, a corporation of Ohio
Application October 11, 1947, Serial No. 779,357
1 Claim. (Cl. 158—91)

For use in a burner having a pot which includes a bottom wall and a side wall, a generally imperforate walled pilot structure adapted to be positioned within a pot, said pilot structure including wall portions having side and bottom edges adapted to contact the side and bottom walls of a pot and to define, with the side and bottom walls of a pot, a mixing chamber adapted to receive a liquid fuel supplied to such a pot, said pilot structure including wall portions adapted to define, with a pot side wall, a plenum chamber super-posed over that portion of the mixing chamber closest to the pot side wall, said plenum chamber having a radial extension inwardly toward the center of the pot, substantially less than that of the mixing chamber, and being outwardly open to the pot side wall when the pilot structure is in position in a pot, whereby it is adapted to receive an air supply through the side wall of the pot, the pilot structure including a partition positioned and adapted to separate the plenum chamber from the mixing chamber, said partition having therein a plurality of air inlet apertures adapted to direct air jets from the interior of the



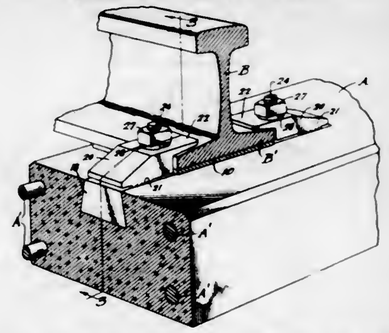
plenum chamber to the interior of the mixing chamber, the mixing chamber having a top wall extending downwardly and inwardly from the plenum chamber, said top wall being generally arcuate in transverse cross-section, and having side edge portions which, when the pilot structure is in position in a pot, are adopted to engage the bottom of the pot, the said top wall defining at its inner edge a lip adapted to define, with the bottom wall of a pot, an upwardly arched flame opening.

2,579,372
PILOT BURNER
Harold B. Donley, Columbus, Ohio, assignor to Columbus Metal Products, Inc., Columbus, Ohio, a corporation of Ohio
Application October 11, 1947, Serial No. 779,358
1 Claim. (Cl. 158—91)



For use in a burner having a pot which includes a bottom wall and a side wall, a generally imperforate walled pilot structure adapted, when positioned within such a pot, to contact the bottom and side walls of the pot, the pilot structure including generally imperforate top and side wall portions adapted to define, when abutting the bottom and side walls of a pot, a mixing chamber adapted to receive a liquid fuel supply delivered to the pot, said pilot structure including upper wall portions adapted to define, with the pot side wall, a plenum chamber superposed over the outer portion of the mixing chamber, the plenum chamber being outwardly open and being thereby adapted, when in position in a pot, to receive an air supply through the side wall of the pot, the pilot structure further including a partition separating the plenum chamber and the mixing chamber, the said partition having therein a plurality of air inlet apertures adapted to direct air jets from the interior of the plenum chamber to the mixing chamber space below the partition and within the pilot structure, the pilot structure having top and side wall portions extending inwardly from the plenum chamber, the top wall portion having therein an upwardly open flame aperture, the inwardly extending side wall portion of the mixing chamber being formed to provide a fuel outlet adapted, when the pilot structure is in position in a pot, to permit liquid fuel to flow from the mixing chamber into the interior of the pot.

2,579,373
RAIL CHAIR
George G. Edee, Des Plaines, Ill.
Application May 24, 1948, Serial No. 28,908
3 Claims. (Cl. 238—346)

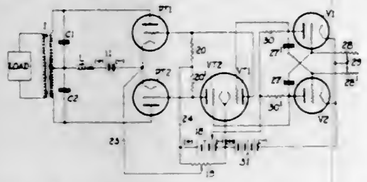


3. In combination with a railroad rail having an enlarged base flange, a chair for supporting said rail on the central portion of the top wall of said chair, said chair comprising a hollow box having bottom, side, end, and top walls, said top wall terminating short of the end walls to provide two wells therein, said top wall having a bolt-receiving slot extending inwardly from each well at each end of the box but providing a continuous surface between the inner ends of said slots for supporting said rail and being reinforced thereby, a bolt having its head received within the box and its shank extending through the bolt slot at each end of the box, and a pair of clamps each having an anchor portion engageable with the well in the end of the box and each having an upwardly-extending jaw engaging the top of the base flange of the rail, and nuts engaging the outer end of said bolts for confining said clamps upon said rail flange.

2,579,374
POWER CONVERSION DEVICE OF THE VACUUM TUBE TYPE
Donald V. Edwards, Montclair, N. J., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 15, 1947, Serial No. 734,965
22 Claims. (Cl. 250—36)

1. Power conversion apparatus of the type described comprising, in combination with an alternating current circuit and a direct current circuit, a plurality of electron discharge tubes each having a control element and disposed in a mag-

netizing field to prevent grid current for relatively high positive grid potentials, a circuit organization including a relatively large inductance and interconnecting said alternating current circuit and said direct current circuit to render said tubes effective to supply blocks of current during their conduction periods from one circuit to the other, and grid control means for applying



relatively high and essentially uniform positive potentials to the control elements of said tube in turn to render them fully conductive in succession for a prolonged period and approximately until conduction through the next tube is started, said inductance acting to maintain an essentially uniform anode to cathode voltage for each tube during its conduction period.

2,579,375
NONELECTROSTATIC PLASTIC COMPOSITIONS
John B. Eisen, Waterloo, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 4, 1950, Serial No. 136,842
6 Claims. (Cl. 260—32.4)

4. An article of manufacture comprising a molded polystyrene body, and distributed therethrough from 0.005% to 5.0% of its weight of a lipophilic quaternary ammonium salt having only hydrocarbon radicals attached to the nitrogen atom, at least one of which has at least six carbon atoms and at least one of which has at most four carbon atoms.

2,579,376
RESILIENT FINGER GRIP FOR THERMOMETERS
Samuel Falk, Elmhurst, N. Y.
Application June 29, 1946, Serial No. 680,405
2 Claims. (Cl. 73—373)



1. A thermometer comprised of a plastic tube, bulb and a collar, the tube having graduated marks thereacross suitable for indicating temperature, the bulb joined to the tube at one end and the collar being formed of resilient material having an ovate circumference and bore the length of the shorter diameter of the bore being slightly smaller than the diameter of the tube whereby the collar can rest securely on the tube and be slidably moved thereon when the collar is squeezed in the direction of its longer oval bore diameter.

2,579,377
ARTIFICIAL BAIT
Richard J. Flynn, St. Paul, Minn.
Application March 15, 1948, Serial No. 14,939
1 Claim. (Cl. 43—42.09)



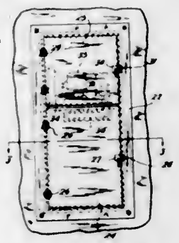
An artificial bait comprising an elongated body including raised elements in simulation of fish eyes on a forward portion thereof, a closed loop constituting an eye secured to the front end of said body, a first hook secured to the forward portion and a second hook at a rear end thereof and a removable cover constituted as a strip of pliable, tractable material crumpled down against, shaped to and enclosing said body and extending continuously from a rear end along an upper surface of the body to and around a front end thereof with a central portion of the strip enclosing said front end and along a lower surface of said body to said rear end; and said raised elements, closed loop and first hook projecting through said removable cover.

2,579,378
OPHTHALMIC MOUNTING
Reginald Frank French, Ilford, and Henry Robert Sadler, London, England
Application June 21, 1948, Serial No. 34,204
In Great Britain January 14, 1947
5 Claims. (Cl. 88—41)



1. An ophthalmic mounting comprising components which include a pair of brace bar elements terminating in relatively flattened depending nasal extremities, a bridge terminating in integrally connected coacting relatively flattened extremities establishing abutting relation with the relatively flattened extremities of said brace bar elements, each of said extremities having aligned slots therein, nose pad supporting arms having relatively flattened extremities disposed in superimposed relation to the aforesaid relatively flattened extremities, integrally formed tongues on the extremities of said nose pad supporting arms, said tongues being offset with respect to said nose pad supporting arms and extending transversely through the aligned slots in the others of said extremities and forming lens mounting means and means for detachably securing said components together.

2,579,379
REFRIGERATED COMMODITY BOX
John T. Fritsche, Bay Village, Ohio
Application November 10, 1949, Serial No. 126,547
4 Claims. (Cl. 62—116)



1. A commodity box of the character described comprising a container formed of two telescopically adjustable sections, each section including bottom, side and top walls and an end wall; the bottom, side and top walls of one section telescoping within the corresponding walls of the other section; thermal insulating means interposed between the telescoping walls of said sections, the end wall of one section being adapted to be secured to the inner side of the building or house wall and the end wall of the other section being adapted to be secured to the outer side thereof, said end walls being provided with openings affording access to the interior of the container, and doors mounted on said end walls for normally closing said openings.

2,579,380
NONCAKING COMPOSITIONS OF MATTER
George Otis Funderburk, Upper Penn's Neck, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1949, Serial No. 119,768
7 Claims. (Cl. 252—135)

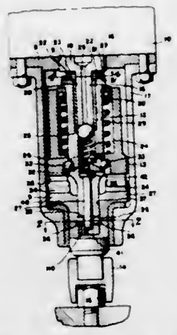
1. A composition of matter comprising a hygroscopic solid and the water-dispersible reaction product obtained by reacting in aqueous medium a quantity of a water-soluble aluminum salt equivalent to 1 part by weight of aluminum sulfate with a quantity of a compound selected from the group consisting of boric acid and water-soluble borates equivalent to from 1 to 8 parts by weight of anhydrous borax, the quantity of said reaction product in the composition being equal to at least 0.4 times the weight of said hygroscopic solid, and the entire composition being characterized by increased physical stability toward moisture compared to the hereinabove mentioned hygroscopic solid by itself.

4. A composition of matter adapted for use as a cleansing agent, comprising a water-soluble, solid, hygroscopic, non-soap, synthetic detergent in comminuted form, and an aluminum polyborate in quantity of 0.4 to 3.5 parts by weight for each part of active detergent, said aluminum polyborate being the water-dispersible reaction product obtained, by reacting in aqueous medium a water-soluble aluminum salt in quantity equivalent to 1 part by weight of aluminum sulfate with a water-soluble borate in quantity equivalent to from 1.5 to 2.5 parts by weight of anhydrous borax, and the entire composition being characterized by a reduced tendency to cake upon exposure to humid atmosphere compared to the tendency of the aforementioned hygroscopic detergent solid by itself.

2,579,381
CELLULOSE DERIVATIVE COMPOSITION OF IMPROVED SOLUBILITY
George Otis Funderburk, Upper Penn's Neck, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1949, Serial No. 119,769
4 Claims. (Cl. 106—194)

1. A composition of matter comprising a water-soluble cellulose derivative of the group consisting of the alkali-metal carboxymethyl-celluloses and alkali-metal hydroxyethyl celluloses, and a water-dispersible aluminum polyborate in quantity not less than 10% by weight of said water-soluble cellulose derivative, said aluminum polyborate being the water-dispersible reaction product obtained by reacting in aqueous medium a quantity of a water-soluble aluminum salt equivalent to 1 part by weight of aluminum sulfate with a quantity of a water-soluble borate equivalent to from 1 to 8 parts by weight of anhydrous borax, and said composition being characterized by a higher speed of dissolution than that of said water-soluble cellulose derivative when taken by itself.

2,579,382
RETAINER
Albert F. Gattiker, Jr., Athens, Pa., and Alfred D. Karr, Newark, N. J., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 4, 1948, Serial No. 63,542
4 Claims. (Cl. 287—119)

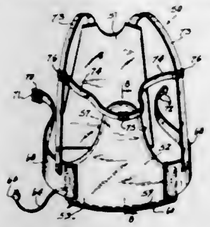


4. A retainer for a pair of telescopically arranged members, the outer member having a groove therein, the inner member having therein a longitudinal bore and a cavity communicating with said bore and groove, an antifriction member positioned in said cavity and extending into said groove, a rod extending slidably into the bore for moving said antifriction members into the groove, said rod being of substantially uniform diameter throughout that portion of its length extending into said bore, and means on the inner member to prevent said antifriction member from passing through said bore when the rod is withdrawn therefrom.

2,579,383
ELECTRICALLY HEATED VEST
Felix K. Goudsmit, Larchmont, N. Y.
Application July 8, 1949, Serial No. 103,729
2 Claims. (Cl. 219—46)

1. An electrically heated vest, comprising a front portion and a separate back portion, a

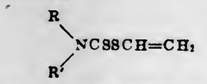
pocket formed within said back portion and having a bottom opening, an electric heating pad enclosed within said pocket, means closing the bottom opening of said pocket, said back member having its sides converged upward to a reduced top portion, horizontal belt members having their rear ends connected to the bottom corners of said back portion, means for connecting together the



free front ends of said belt members in front of said front portion, shoulder straps having their front ends secured to the top of said front portion and their rear ends connected to said belt members closely adjacent said back portion, and straps having their inner ends connected to the reduced top portion of said back portion and their outer ends connected to said shoulder straps intermediate of their ends.

2,579,384
N,N-DISUBSTITUTED VINYL DITHIOCARBAMATES
Carleton Thomas Handy and John C. Sauer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1950, Serial No. 146,156
9 Claims. (Cl. 260—79.7)

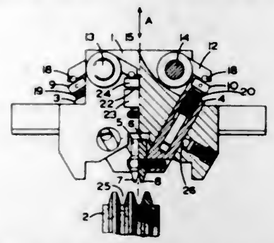
1. An N,N-disubstituted vinyl dithiocarbamate having the formula



wherein R and R' represent radicals from the group consisting of, R and R' taken individually, monovalent hydrocarbon, oxahydrocarbon, and thiahydrocarbon radicals, in which the carbon attached to the nitrogen is attached to other atoms by single bonds only, and, R and R' taken together, divalent hydrocarbon, oxahydrocarbon, and thiahydrocarbon radicals in which the two carbon atoms attached to the nitrogen are both aliphatic in character.

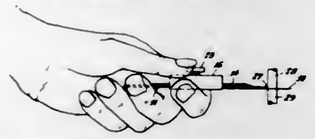
2,579,385
PROFILING DEVICE FOR GRINDING WHEELS
Morgan Jellis and Thomas Winsmore Langley, Coventry, England, assignors to Coventry Gauge & Tool Company Limited, Coventry, England
Application August 17, 1949, Serial No. 110,773
In Great Britain August 20, 1948
1 Claim. (Cl. 125—11)

A profiling device for grinding wheels comprising a carrier adapted to be fed towards a grinding wheel; a pair of slides mounted for axial sliding movement in said carrier, said slides being mutually inclined and staggered with respect to one another; a pair of tool holders carried by and extending from the adjacent ends of said slides, one tool holder being carried by each slide, said tool holders being disposed parallel to one another; heads on said slides at the other ends thereof; a pair of shafts journalled on said carrier; a pair of levers fixedly mounted one on each of said shafts, each lever being disposed for contact with a corresponding head of one of said slides; and a pair of further levers fixedly mounted one on each of said shafts, the free ends of said levers protruding from the carrier for



contact with an extraneous fixed member so that on feeding movement of said carrier contact of the free ends of said further levers with the extraneous fixed member effects actuation of the said levers and shafts to in turn operate said slides to automatically impart a pre-determined generated motion to the tool holders, which motion is the resultant of the feeding movement of the carrier and the slides therein.

2,579,386
GAP GAUGE
Fred Koenig, Tottenville, N. Y.
Application February 4, 1947, Serial No. 726,400
7 Claims. (Cl. 33—168)

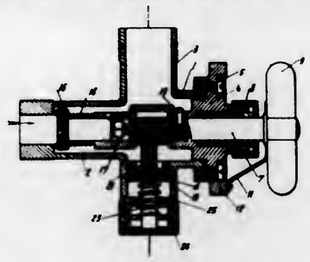


4. In a gap micrometer of the type having a gradually tapered strip for insertion into a gap, an indicator strip slidably secured to said tapered strip, graduations on one of said strips along which the other strip is slidable, the combination therewith of the improvement for holding said strips in one adjusted position against accidental relative movement, said improvement including a housing secured to said other strip, said housing extending transversely around said strips and being slidable with respect to the strip on which the graduations are placed, and clamping means for holding said housing and strips in one position of adjustment.

2,579,387
FEED DRAIN AND SAFETY DEVICE FOR WATER HEATERS
Léon Le Bozec, Courbevoie, and Georges Gautier, Mesnil-le-Roi, France
Application August 26, 1947, Serial No. 770,694
In France October 2, 1946
4 Claims. (Cl. 277—20)

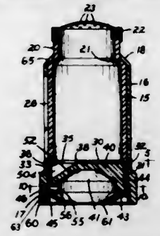
1. A valve comprising a casing having an inlet port, a discharge port and a drain port, a valve stem guiding sleeve extending into said casing and having an inner end disposed opposite said inlet port, a valve stem rotatably and slidably mounted in said sleeve and having an inner end,

said sleeve having a slot extending about a part of its circumference with at least a portion thereof of helical form, a stud carried by the valve stem and positioned in said slot for imparting axial movement to said stem upon rotation thereof, a valve member slidably mounted in the inner



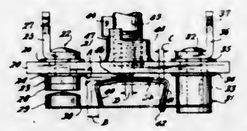
end of said sleeve and engaged by the inner end of the stem for closing the inlet port, a spring loaded valve element closing the drain port, and a cam on said stem cooperating with the spring loaded valve for opening the latter.

2,579,388
DISPENSER FOR EITHER A MEASURED OR AN UNMEASURED QUANTITY OF GRANULAR MATERIAL
Robert R. Lowry, Dayton, Ohio
Application July 15, 1947, Serial No. 761,088
8 Claims. (Cl. 222—362)



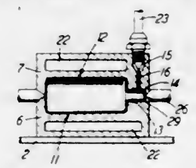
1. A dispenser for dry materials of the character described comprising a cylindrical container, a cylindrical barrel encircling said container in rotatable relation therewith, means forming a bottom for said container spaced above the lower end thereof and leaving a flange extending downwardly therefrom, said bottom having an aperture therethrough of limited angular extent, said flange being relieved at a position angularly spaced from said aperture to form a discharge slot, a dispenser member mounted within said barrel and below said bottom for rotation with respect to said container, means forming at least one pocket of predetermined capacity in the upper surface of said dispenser member, and means connecting said dispenser member to said barrel for rotation relative to said container to move each said pocket between a position of registry with said aperture to receive a portion of the contents of said container and a position of registry with said discharge slot, each said pocket having the bottom thereof sloping outwardly and downwardly and terminating at a level spaced above the lower end of said flange but below the upper end of said discharge slot to effect closing of said pocket by said flange when said pocket is in registry with said aperture and to effect discharge of the contents of said pocket when said pocket is in registry with said discharge slot.

2,579,389
THERMOSTATIC SWITCH
Charles S. Mertler, Mansfield, Ohio
Application February 7, 1948, Serial No. 6,855
18 Claims. (Cl. 200—138)



1. A thermostatic switch comprising a first contact, a second contact, a member supporting said second contact for movement in opposite directions to and from engagement with the first contact and biased for movement in one of said directions, and a substantially U-shaped thermal responsive member floatingly supported intermediate the ends of said supporting member and substantially aligned therewith, the said thermal responsive member including a bimetallic main portion extending substantially parallel with said supporting member and spaced legs extending angularly from said main portion and directed towards the said supporting member, at least one of said legs being adapted upon flexing of the thermal responsive member in response to variations in temperature to exert force upon said supporting member in directions both substantially parallel with and perpendicular to said supporting member so that friction is created between said supporting member and the said one leg, whereby flexing of said thermal responsive member does not effect movement of said supporting member until the thermal responsive member has stored sufficient force by flexing thereof to overcome the static friction between the supporting member and the said one leg whereupon the said thermal responsive member moves the said supporting member and the contact thereon relative to the first contact with a snap action, and means adapted to engage said main portion of the thermal responsive member intermediate the ends thereof to limit the extent of movement of said main portion away from said supporting member when said thermal responsive member flexes.

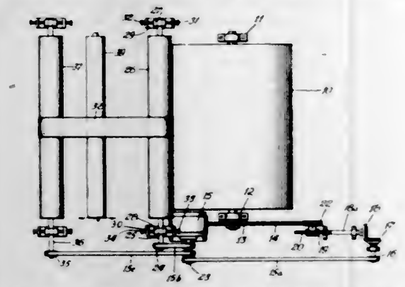
2,579,390
METHOD OF MAKING HOLLOW ARTICLES
Elmer E. Mills, Highland Park, Ill.
Application June 30, 1950, Serial No. 171,340
11 Claims. (Cl. 18—56)



4. In a method for making plastic articles, the steps which include: providing a continuously moving tube of softened, organic, plastic material; successively arranging a plurality of molds coaxially with said tube; moving said molds continuously, synchronizing the speed of said molds with the speed of said tubular material; individually clamping each of said molds about said tubular material; collapsing said tubular material at each end of each of said molds for isolating the portion of said tubular material in each of said molds into a fluid-tight chamber; individ-

ually introducing into each of said isolated portions a gas under a positive pressure sufficient to expand said plastic material to the shape of said molds.

2,579,391
IN-PLACE RESURFACING OF PONDEROUS CYLINDERS
Rudolf G. Minarik and Eric N. Isakson, Neenah, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application June 13, 1946, Serial No. 676,452
1 Claim. (Cl. 51—251)



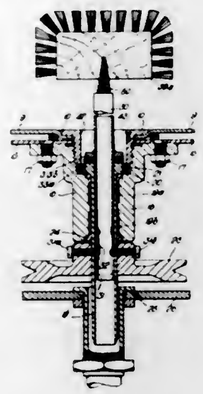
Apparatus for grinding the surface of a heavy cylinder comprising a substantially cylindrical form roll which is at least as long as said cylinder, means for rigidly and inflexibly supporting said form roll and the cylinder for rotation on substantially parallel axes, a tension roll, means for rotatably supporting said tension roll on an axis substantially parallel with the axis of said form roll, means for rotating said cylinder, means for incrementally moving said form roll toward the cylinder, an endless belt trained around said rolls and having a width which is a minor fraction of the length of said form roll, means for positively rotating at least one of said rolls, said belt having an outer abrasive surface contacting the face of said cylinder in abrading engagement within a zone overlying the arc of contact between said belt and the face of said form roll, and means for inducing said belt to repeatedly traverse the face of said form roll so as to operate upon the entire length of the face of said cylinder to thereby incrementally reduce any high spots on the face of said cylinder until the profile of the face of the cylinder parallels the profile of the adjacent face of the form roll throughout the entire circumference of the cylinder.

2,579,392
DISPOSABLE CART FORMED FROM WIRE
Solomon Mittleburg, Kew Gardens, N. Y.
Application August 19, 1948, Serial No. 45,063
2 Claims. (Cl. 280—53)



1. In a cart, centrally apertured wheels, a continuous loop of stiff wire bent to have an inverted U-shaped handle portion and at the bottom thereof a right angularly extended U-shaped base portion, and means rotatively mounting said centrally apertured wheels, said mounting means comprising axially aligned laterally extending shaft portions continuing outwardly from the junctions of the side arms of the handle portion and the base portion, said shaft portions comprising adjacent lengths of wire bent into intimate facial contact with each other to have their free ends passed through the apertures of the wheels, and means retaining the wheels rotatively in position on said shaft portions midway of the lengths of said shaft portions.

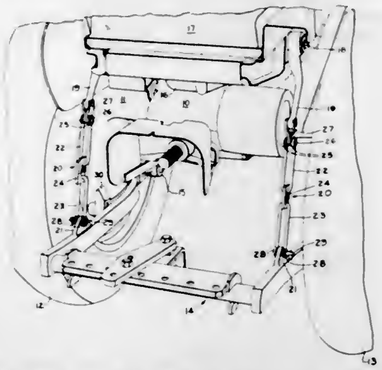
2,579,393
DISHWASHING, SCOURING, AND POLISHING SINK
Henry John Modrey, Stanmore, England, assignor to Modrey Patents Corporation, County of Essex, N. J., a corporation of New Jersey
Application April 5, 1946, Serial No. 659,812
In Great Britain May 4, 1945
5 Claims. (Cl. 4—187)



1. An attachment for a sink of the type having an opening through one of its walls, the said attachment comprising in combination a tubular spindle selectively adapted to discharge liquid and waste therethrough or to receive and support an appliance, support means for rotatably supporting the spindle in a position outside the sink in which the end of the spindle facing the sink wall having said opening therethrough is disposed slightly below the said wall and in registry with the said opening for providing access to the spindle from within the sink, drive means for rotating the spindle and an appliance received therein, and a stationarily mounted drain conduit disposed in alignment with and encompassing the other end of the spindle for draining liquid and waste discharge from the sink through said spindle.

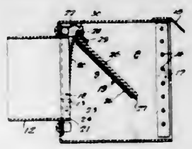
2,579,394
LINKED CONNECTOR AND METHOD OF MAKING SAME
Willard H. Nordenson and Warren W. McCaw, Dubuque, Iowa, assignors to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application May 21, 1948, Serial No. 28,484
8 Claims. (Cl. 59—35)

1. A linked connecting element, comprising: a one-piece link shaped generally as an O and having an elongated slot therethrough; a U-shaped member articulately connected with the link and having a bight and a pair of legs, the bight being substantially uniformly dimensioned so as to pass loosely through the link slot and the terminal end of each leg being enlarged to provide an eye portion having an outside diameter less than the length but greater than the width of the link slot and a thickness less than the width of the link slot so that the link and member may be assembled by passing one of the eye portions through the link slot; and means on the



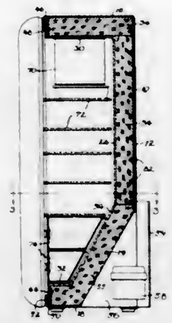
link including an integral portion thereof displaced laterally from at least one side thereof in a direction across the slot, after assembly of the link and member, to reduce the length of that portion of the slot through which the member passes to a dimension less than the outside diameter of the eye portion.

2,579,395
SHUTTER MOUNTING FOR VENTILATING DUCT OUTLETS
Raymond V. Pfautsch, Chicago, Ill., assignor to Ilg Electric Ventilating Company, Chicago, Ill., a corporation of Delaware
Application August 4, 1949, Serial No. 108,596
4 Claims. (Cl. 98—116)



1. A shutter for a ventilating-duct outlet comprising, a frame having an opening coextensive with said duct outlet, a plate, trunnions on the upper corners of said plate journaled on said frame so that gravity tends to swing said plate to a vertical position to close said frame opening when no air is being discharged through said duct, an eccentric crank pin connected to one of said trunnions and offset from the axis of said trunnions, and a spring connected at one end to said crank pin and at the other end to said frame at a point below said crank so as to dispose the axis of said spring transverse to the axis of said trunnions on respectively opposite sides thereof when said plate is in its open and closed positions, said spring thereby supplementing the action of gravity to hold said plate in vertical position to close said outlet when no air is being discharged through said duct and supplementing the force of air being discharged through said duct to hold said plate in open position.

2,579,396
METHOD OF MAKING REFRIGERATOR CABINETS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Original application April 3, 1946, Serial No. 659,254. Divided and this application July 31, 1947, Serial No. 765,173
3 Claims. (Cl. 29—148.2)

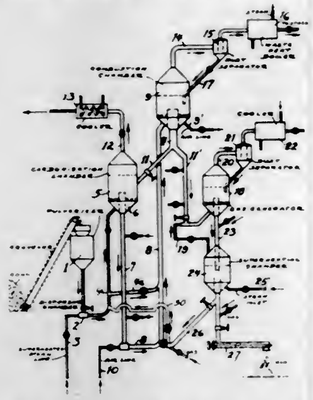


1. The method of making a refrigerator cabinet which comprises, forming sheet material into a cabinet section of opposite side walls, a connecting wall with said side walls and inwardly directed retainer grooves along one edge of the section, attaching a panel to the opposite edge of the section to form therewith a box-like casing proper open opposite the connecting wall and opposite the panel, inserting insulation into the box-like casing proper, forming a one-piece box-like liner having outturned flanges along opposite and adjacent sides, engaging the opposite side flanges of the liner respectively in opposite side grooves of the casing proper through the opening opposite the connecting wall and sliding the liner into the casing inwardly of the insulation until the leading adjacent side flange engages in the retainer groove of the connecting wall, forming a casing panel with a retainer groove along one edge thereof, closing with insulation the opening opposite said connecting wall, and then attaching the panel to the casing proper with the panel groove receiving the other of the adjacent wall flanges to complete the casing and lock the liner thereto.

2,579,397
METHOD FOR HANDLING FUELS
Bruno E. Roethell, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 15, 1943, Serial No. 487,187
18 Claims. (Cl. 48—202)

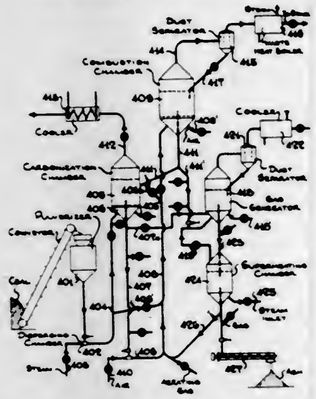
17. A method for converting coal which comprises establishing first, second and third beds of finely divided coke, passing a gas through each of said beds to maintain said finely divided coke in a fluidized state, the gas fed to the second bed being a combustion supporting gas and that to the third bed comprising a gasifying medium for said coke, continuously feeding coal in finely divided form to said first bed, maintaining said first bed at a carbonizing temperature, continuously feeding coke from said first bed to said second bed, subjecting said coke in said second

bed to a combustion reaction in which the finely divided coke is highly heated and continuously



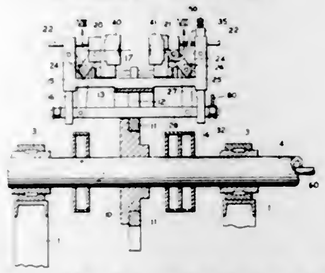
feeding hot finely divided coke from said second bed to said first bed and said third bed.

2,579,398
METHOD FOR HANDLING FUELS
Bruno E. Roetheli, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 8, 1945, Serial No. 609,662
9 Claims. (Cl. 48—202)



1. An improved process for producing valuable liquid and gaseous products from solid carbonaceous materials which comprises passing a stream of finely divided carbonaceous solid material into a carbonization zone to form a fluidized mass of solids therein maintained at a carbonization temperature, whereby distillable portions of the material are removed, leaving a coky residue in finaly powdered fluidized form, withdrawing said fluidized residue and passing the same into a gasification zone to form a fluidized mass of solids therein, reacting said mass with steam at a gasification temperature, withdrawing a fuel gas and withdrawing a fluidized residue of low carbon content from the gasification zone, feeding said latter residue to a combustion zone to form a fluidized mass of solids, therein, generating heat in said combustion zone by burning the carbonaceous constituents of said latter residue, withdrawing hot fluidized solid combustion residue from said combustion zone and feeding said hot combustion residue to said carbonization zone and to said gasification zone to supply heat required therein.

2,579,399
MACHINE FOR MAKING CONTAINERS FROM PLASTIC TUBING
Herbert S. Ruckberg, Highland Park, Ill.
Application March 5, 1951, Serial No. 213,869
5 Claims. (Cl. 18—19)

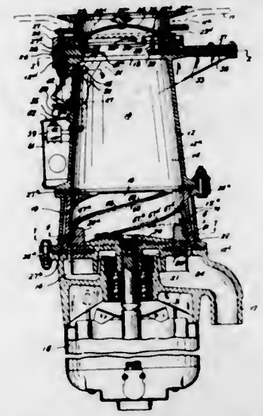


5. In a machine for making hollow plastic articles from a continuously moving column of hollow, softened, plastic material, the combination comprising: a frame; a hub mounted on said frame for rotation about a horizontal axis; a plurality of pairs of separable mold halves mounted about the periphery of said hub; a pair of toggle linkages for individually opening and closing each of said pairs of mold halves; a cam arm for actuating each of said toggle linkages; means for rotating said hub and thereby successively aligning each of said molds with said column of plastic material; first track means contacting said cam arms and individually urging said cam arms radially outwardly as each of said molds becomes aligned with said column of plastic material for successively closing each of said molds about said column of plastic material; a step in said track for urging each of said cam arms radially inwardly for successively opening each of said molds; a plurality of hollow needles, one associated with each of said molds for puncturing the portion of said plastic material clamped within each said mold and admitting a fluid pressure to said portion of plastic material; a second track and a valve for controlling the flow of said fluid through said needle, said valve having a cam movable along said second track and said track being disposed to open said valve during a portion of the interval while said molds are closed.

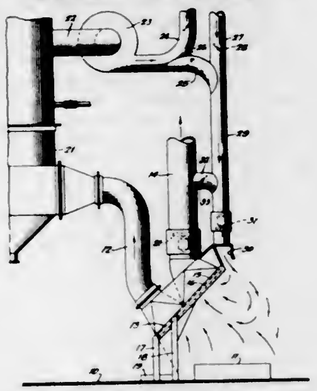
2,579,400
GARBAGE GRINDING DEVICE
Harold C. Schindler, Euclid, Ohio, assignor, by mesne assignments, to Lockley Machine Company, New Castle, Pa., a corporation of Pennsylvania
Original application May 7, 1946, Serial No. 667,811. Divided and this application June 20, 1947, Serial No. 755,903
17 Claims. (Cl. 241—257)

1. In comminuting apparatus, a housing having an annular wall defining a substantially vertical comminuting chamber and also having inlet and outlet passages connected with said chamber, a rotor operable in said chamber and having material impelling projections thereon, means for driving said rotor, said wall having circumferentially spaced and substantially circumferentially extending slots therein disposed substantially on a line extending spirally around

said annular wall, and shredding blades mounted in said slots and having their inner edges projecting into said chamber, said inner edges having teeth thereon which are inclined relative to a radial line of said chamber so as to point in a direction substantially opposite to the direction of rotation of the rotor.

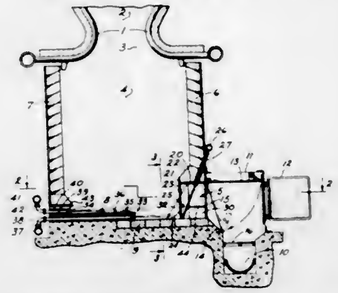


2,579,401
GAS TREATING APPARATUS AND METHOD
Claude B. Schneible, Detroit, and Alvin S. Lundy, Huntington Woods, Mich.; said Lundy assignor to said Schneible
Application March 17, 1948, Serial No. 15,334
5 Claims. (Cl. 98—115)



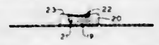
1. In apparatus for treating a rising column of gas, supporting means, a pair of pipes carried by said supporting means, a casing about the ends of said pipes and providing a pair of vertically-spaced inlets, said casing being supported along one side of said rising column and with the casing portion providing the uppermost of said inlets extending into said column, a second casing above the uppermost of said inlets providing a discharge opening directed along a side of said column opposite said inlets, a pipe communicating with said discharge opening, means for discharging air through said pipe into said discharge opening to provide a curtain of air on the side of said column opposite said inlets, and a recycling conduit connecting said discharge pipe and the suction pipe leading from the uppermost of said inlets.

2,579,402
HYDRAULIC HOPPER DISCHARGE APPARATUS
Philip B. Silk, London, England, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 20, 1948, Serial No. 61,278
8 Claims. (Cl. 110—171)



1. In an ash hopper having side and end walls and a bottom wall and an outlet opening in its lower portion, means comprising a nozzle for delivering a jet of liquid substantially horizontally in the hopper, and baffle means including a vertical deflecting plate having a concave surface formed about a vertical axis disposed at one side of said outlet opening to intercept said jet and turn it transversely in a horizontal plane toward said outlet.

2,579,403
MEDICAL BANDAGE
Julius Slomowitz, Newark, N. J., and Mario Del Conte, Brooklyn, N. Y.
Application June 1, 1950, Serial No. 165,522
4 Claims. (Cl. 128—268)



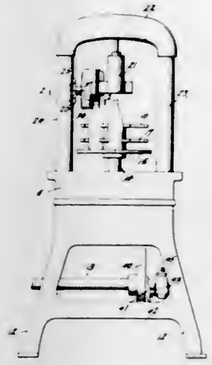
1. A blister for use with protuberant sores comprising a thickened circular wall and base of soft non irritating plastic material, a core of a medicament, and a thin surface wall sealing said medicament within the confines of the circular wall, said surface wall being readily breakable upon squeezing the circular wall of the blister, and the surface wall of the blister being slightly concaved to accommodate a protuberant sore, said medicament being issuable upon the breaking of the thin surface wall.

3. The combination with a strip of adhesive tape of a container of soft non irritating plastic material for use with protuberant sores, said container being fixed to the surface of the tape and having a thickened base and a circular wall, a core of a medicament encompassed within the confines of said circular wall, and a surface covering sealing said core in, said surface covering being slightly concaved and readily breakable upon squeezing.

2,579,404
DETECTOR MECHANISM FOR CAPPING MACHINES
George M. Stevenson, Baltimore, Md.
Application November 15, 1948, Serial No. 60,030
9 Claims. (Cl. 226—84)

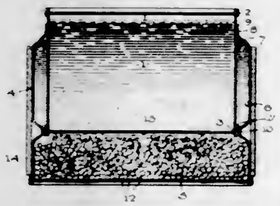
1. In a detecting mechanism for capping machines of the type in which containers are capped on a traveling conveyor and the machine includes a traveling conveyor, a capping

station adjacent to said conveyor for capping containers passing the same, and a detector station, the combination comprising cam means rotating in timed relation with movement of said conveyor, electric means for driving said conveyor and said cam means, two parallel-connected switches in circuit with said electric



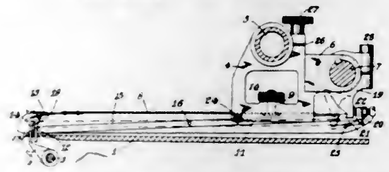
means, one switch being normally open and the other normally closed, means controlled by said cam means for opening the normally closed switch each time a container reaches the detector station, and means brought into action by only a properly capped container for closing the normally open switch each time a capped container reaches the detector station.

2,579,405
SELF-HEATING CONTAINERS
Lev Sukacev, Washington, D. C.
Application November 3, 1950, Serial No. 193,869
10 Claims. (Cl. 126—263)



1. A self-heating container comprising an outer container having a bottom and side wall, an inner container telescopically mounted within the outer container, exothermic material between the bottom wall of the outer container and the bottom wall of the food container, a rupturable water-tight seal between the food container and the side wall of the outer container, and water sealed within the space between the side walls of the food container and the outer container, above said water-tight seal, said seal offering less resistance to rupture than the parts connected thereby offer to distortion when subject to pressure exerted on the outer end of the food container, whereby the seal readily may be ruptured to permit said water to pass to the exothermic material by a blow on the outer end of the food container.

2,579,406
FRONT EDGE DETECTOR MECHANISM FOR USE IN SHEET FEEDING APPARATUS
George William Tebbs, Woodford Green, England, assignor to Headley Townsend Backhouse, Wentworth, Surrey, England
Application July 29, 1947, Serial No. 764,314
In Great Britain March 21, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 21, 1966
8 Claims. (Cl. 271—56)



1. Front edge detector mechanism for sheet feeding apparatus of the kind described and embodying a layboard and front lays up to which the front edge of each sheet in turn is moved for registration, said mechanism comprising a feeler in the form of a pivoted arm arranged to be partially rotated about its pivot by engagement with the front edge of each sheet in turn as it approaches the front lays, a sensing member providing a sensing abutment arranged to be constantly oscillated in timed relationship with the feeding of the sheets, a stop member intermediate between the feeler and the sensing abutment and having a releasable latching engagement with the feeler by which the stop member is held in a position in which it lies in the path of the sensing abutment and is operative to engage the abutment and stop the movement of the sensing member, the latching engagement being releasable on movement of the feeler as aforesaid by a correctly timed sheet, means for constantly urging the stop member against the latch control of the feeler to a position outside the path of the sensing abutment in which the stop member is inoperative to stop the sensing member and secondary means comprising a member movable in timed relationship with the feeding of the sheets to engage and temporarily to support the stop member against the said urging means during the time when the feeler is to be engaged by a correctly presented sheet thereby to relieve the feeler of frictional engagement with the stop member during that time and to allow the feeler to be freely moved by such a sheet to a position in which the feeler releases the latching engagement of the stop member and the stop member is permitted to move to the inoperative position on removal of the temporary support.

2,579,407
BROKEN STRAND INDICATOR
John Turner, Boston, Mass.
Application February 1, 1951, Serial No. 208,856
10 Claims. (Cl. 57—81)



1. A textile machine having a thread board, a plurality of thread guides arranged along said board, a broken thread indicator for each guide,

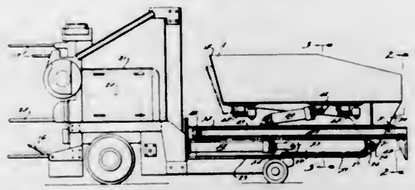
said guides being hinged to said board and swingable between operative and inoperative positions, a counter, and means responsive to the swinging of any of said guides to inoperative position to actuate said counter by one count.

2,579,408
AIR BLOW GUN VALVE
Cornelius D. Vreeland, Jr., Paterson, N. J., assignor to Ten Hoeve Brothers, Paterson, N. J., a partnership of New Jersey
Application November 9, 1945, Serial No. 627,682
2 Claims. (Cl. 277—36)



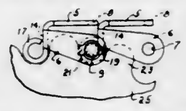
1. An air blow gun, comprising a tubular valve body, having an inlet back end opening for connection with an air hose and connecting with a shoulder forming a valve seat which is provided with a bore extending to the front end of said body, a nozzle tube slidably mounted in and projecting from the front portion of said bore, means for limiting sliding of said nozzle tube from a front to a rear position, and a poppet valve engaging upon said valve seat and having a stud portion extending into said bore and formed with a tapered front end portion continuing into a cylindrical back portion slightly smaller than said bore forming a small passage for a very small breath of compressed air to pass when said valve is slightly opened, said poppet valve having a rear shank portion, a head fixedly mounted upon said shank portion, and a washer floating on said shank portion between said head and the back of said stud portion, said washer being provided with an opening slightly larger than said shank portion through which air may pass and said washer normally engaging upon said valve seat.

2,579,409
FURNACE CHARGER
Clark White, Charleston, S. C., assignor to Pittsburgh Metallurgical Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application April 25, 1946, Serial No. 664,834
7 Claims. (Cl. 214—18)



2. A charging and charge manipulating structure adapted to be carried by and vertically movable with the lift platform of a lift truck and including an elongated hollow frame structure adapted to be horizontally disposed upon such a platform, a hydraulic cylinder-type motor arranged horizontally within the lower portion of such frame, a charge manipulating element including a slidable beam also carried by and within said frame and extending in horizontal position over and operatively connected to said motor, whereby the beam may be moved horizontally to project more or less beyond the end of said frame, a rockable bin carried by said frame and arranged above said beam, pivotal supporting means for said bin including pivot portions carried by a lower portion of said frame and in substantial horizontal alignment with said cylinder, said supporting means including a pair of arms extending upwardly upon either side of said beam to support said bin, and means also carried by said frame for tilting said bin.

2,579,410
CONVEYER CHAIN LINK
Vit Zanitis, Fort Wayne, Ind., assignor to Fort Wayne Dairy Equipment Company, Fort Wayne, Ind., a corporation of Indiana
Application April 9, 1948, Serial No. 20,018
11 Claims. (Cl. 198—189)



8. A conveyor chain link comprising a single piece of flat stock formed to include a platform, a saddle having a width equal to only a fraction of the width of the platform, connected at one edge to and disposed at an angle to the platform, a hinge connected to the saddle at the other side thereof and having a width substantially less than that of the platform, arms fixed solely to and extending from the saddle, away from the hinge and under the platform and a notch in the edge of the platform opposite the saddle having a width slightly greater than that of the hinge.

2,579,411
PRODUCTION OF VINYL ETHERS
Robert L. Adelman, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 20, 1950, Serial No. 139,793
6 Claims. (Cl. 260—614)

1. The process for the production of a vinyl ether which comprises reacting an alcohol with a vinyl ester at a temperature of −75 to −15° C. in the presence of a mercuric salt of a strong acid.

2,579,412
REACTION OF VINYL ETHERS WITH HYDROXY COMPOUNDS
Robert L. Adelman, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 2, 1950, Serial No. 147,333
8 Claims. (Cl. 260—614)

1. The process which comprises reacting at a temperature not higher than −10° C. in the presence of a mercuric salt of a strong mineral acid a vinyl ether having the formula

$$CH_2{=}CH{-}O{-}R$$

where R is an organic radical other than vinyl having not more than 50 carbon atoms and having a carbon atom attached to the ether oxygen, with an organic hydroxy compound having from 1 to 3 hydroxyl groups selected from the group consisting of alcoholic and phenolic hydroxyl groups and having not more than 50 carbon

atoms, said 1 to 3 hydroxyl groups being attached to a radical different than the radical R of said vinyl ether, said vinyl ether and said hydroxy compound being in the liquid state at the reaction temperature.

2,579,413

AMIDES OF ORTHO TITANIC ACID

Thomas Boyd, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 21, 1949, Serial No. 122,843

11 Claims. (Cl. 260—429)

1. An amide of ortho titanic acid having the formula $Ti(NR_2)_4$ wherein R is an organic radical taken from the group consisting of aliphatic, aromatic and cyclic radicals and one R may be hydrogen.

2,579,414

PREPARATION OF ESTERS OF ORTHO TITANIC ACID

Thomas Boyd, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 21, 1949, Serial No. 122,841

6 Claims. (Cl. 260—429)

1. A process for the preparation of ortho esters of titanic acid which comprises reacting titanium disulfide with a compound taken from the group consisting of alcohols and phenols, under substantially anhydrous conditions.

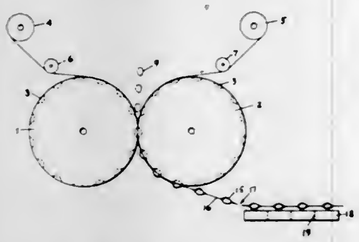
2,579,415

PACKAGING PROCESS

Clarence M. Carson, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application December 4, 1946, Serial No. 714,001

4 Claims. (Cl. 18—56)



1. The process of packaging articles which comprises heating two films of rubber hydrochloride, forming cups in each of the films according to the same pattern, and bringing the cups into mating relation around articles, thus enclosing the articles in pockets formed from the cups, and uniting the areas of the films around the pockets to form an unsupported sheet in which the articles are enclosed in the aforesaid pattern; dividing said unsupported sheet into areas of the same shape and size and containing articles arranged in said pattern, and then mounting these sheets on frames no larger than said sheets, provided with openings therethrough arranged according to the identical pattern and adapted to hold said articles between them out of contact with one another.

2,579,416

REACTION OF GASEOUS AMMONIA WITH HYDROCARBON SILICON HALIDES

Nicholas D. Cheronis, Chicago, Ill., assignor of one-third to Edwin L. Gustus, Chicago, Ill.

No Drawing. Application January 25, 1946, Serial No. 643,494

22 Claims. (Cl. 260—2)

21. The method of forming a polymeric product, comprising reacting anhydrous gaseous ammonia with a mono-organosilicontrihalide in which the organic radical is a monovalent hydrocarbon radical, in the absence of water.

2,579,417

AMMONOLYSIS OF ORGANOSILICON HALIDES

Nicholas D. Cheronis, Chicago, Ill., assignor of one-third to Edwin L. Gustus, Chicago, Ill.

No Drawing. Application August 7, 1947, Serial No. 767,332

14 Claims. (Cl. 260—2)

1. The method of ammonolyzing an organic silicon halide of the formula

$$R_nSiHal_{4-n}$$

wherein R is an organic monovalent radical attached to the silicon by a silicon-to-carbon bond and being a member of the group consisting of unsubstituted and alkoxy-substituted monovalent hydrocarbon radicals, Hal is a halogen atom attached to a silicon atom, and n is an integer from 1 to 2, comprising dissolving said organic silicon halide in an organic solvent inert toward said organic silicon halide, reacting said dissolved organic silicon halide with an ammonolyzing gaseous nitrogen compound selected from the class consisting of gaseous ammonia and gaseous primary amine wherein the amino group is the sole functional group, by simultaneously introducing controlled streams of said dissolved organic silicon halide and of an excess of said gaseous nitrogen compound into a reaction vessel in the absence of water and at a temperature below room temperature, and maintaining the temperature of the reaction by adjusting the reactant supply so as to maintain an excess of said gaseous nitrogen compound until said reaction is substantially complete.

2,579,418

POLYMERIC RESINOUS PRODUCTS CONTAINING REPEATING UNITS OF SILICON LINKED TO NITROGEN AND PROCESS FOR MAKING SAME

Nicholas D. Cheronis, Chicago, Ill., assignor of one-third to Edwin L. Gustus, Chicago, Ill.

No Drawing. Application January 24, 1949, Serial No. 72,548

28 Claims. (Cl. 260—2)

10. A polymeric resin characterized by repeating units of silicon linked to nitrogen as an integral part of the polymer chain and having repeating units consisting of silicon substituted by monovalent hydrocarbon radicals, said silicon being attached to nitrogen substituted by a member consisting of hydrogen and hydrocarbon radicals, said resin having an average ratio of 1 atom of silicon to between approximately 1.25 and approximately 1.6 atoms of nitrogen in its repeating units.

2,579,419

PYRIDYL SUBSTITUTED KETONES

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application July 13, 1946, Serial No. 683,413)

7 Claims. (Cl. 260—297)

1. The method of preparing 2 - (2 - pyridyl) ethyl ketones which comprises heating, in the presence of an alkaline catalyst and an inhibitor of polymerization for 2-vinyl pyridine, a ketone having an alpha carbon atom carrying at least one hydrogen atom with 2-vinyl pyridine, and separating the resulting unpolymerized product, the ketone being selected from the group consisting of alkyl ketones, aryl ketones, aralkyl ketones, alkaryl ketones, cycloaliphatic ketones, alkoxyalkylketones, aryloxyalkyl ketones, alkoxyaryl ketones, aryloxyaryl ketones, alkoxy-substituted cycloaliphatic ketones, aroxy-substituted cycloaliphatic ketones, and unsubstituted saturated 6 membered cycloalkyl ketones in which a single ring —CH_2— group is replaced by the member of the group consisting of oxygen and sulphur.

2,579,420

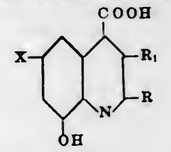
METHOD FOR PRODUCING 6-HALO-8-HYDROXYCINCHONINIC ACIDS

Robert F. Coles, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

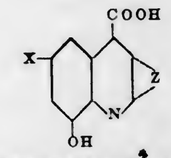
No Drawing. Application April 18, 1950, Serial No. 156,720

8 Claims. (Cl. 260—279)

3. The process of preparing 6-halo-8-hydroxycinchoninic acids selected from the group consisting of those of the following formulae:



and



wherein R represents a member selected from the class consisting of allyl, lower alkyl, aryl, and 5-membered monocyclic heterocyclic radical containing a single hetero atom selected from the group consisting of oxygen, sulfur, and nitrogen, R_1 is a member selected from the class consisting of hydrogen, allyl, and lower alkyl, X represents a halogen, and Z represents the atoms necessary to complete a carboxylic ring system of 5 to 8 carbon atoms, which comprises heating 6,8-dihalocinchoninic acid in an aqueous solution of an alkali of 5 to 20% concentration selected from the group consisting of alkali metal hydroxides and carbonates and alkali eath metal hydroxides in an amount corresponding to at least three chemical equivalents per chemical equivalent of free 6,8-dihalocinchoninic acid at a temperature ranging from 50° to 175° C. in the presence of a copper catalyst until solution of the dialkali metal salt of 6-halo-8-hydroxycinchoninic acid is effectuated, acidifying the alkaline solution and collecting the solid product.

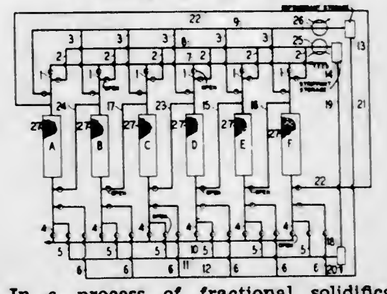
2,579,421

FRACTIONAL SOLIDIFICATION PROCESS

Clark J. Egan, Piedmont, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application April 30, 1949, Serial No. 90,633

9 Claims. (Cl. 62—124)



1. In a process of fractional solidification wherein a liquid feed is contacted with a cold mass of particle-form solid heat-exchange material to separate a component of the feed by solidification, the improved cyclic method which comprises maintaining a plurality of substantially uniform masses of heat-exchange material disposed in a solidification zone, a solid recovery zone, and a cooling zone, passing the liquid feed into the solidification zone to solidify the more readily solidifiable components thereof and withdrawing a mother liquor, passing a stripping fluid into the solid recovery zone to liquefy the solid deposited on and engaged by the heat-exchange material therein during previous cycles of operation, and withdrawing the stripping fluid and liquefied solid from said zone, passing a refrigerant fluid through the cooling zone to cool the heat-exchange material therein and initiating successive cycles of operation by regrouping the heat-exchange masses in such manner that those exhausted in the solidification zone, stripped in the solid recovery zone, and cooled in the cooling zone during one cycle are included in the solid recovery zone, the cooling zone, and the solidification zone, respectively, in the succeeding cycle.

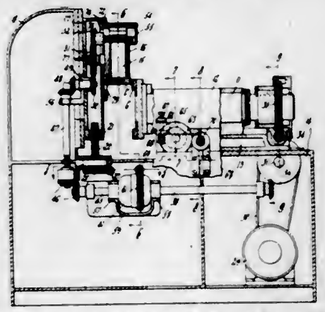
2,579,422

METHOD AND MACHINE FOR GENERATING OFFSET FACE GEARS

Wilbur Y. Handy and Walter M. Smith, Jr., Springfield, Vt., assignors to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application March 26, 1949, Serial No. 83,646

10 Claims. (Cl. 90—1.6)



1. A method of generating and cutting the teeth of a face gear to mesh with an offset pinion

which comprises locating a gear shaper cutter with the plane of its cutting end intersecting at an oblique angle a line which corresponds to the location of such a meshing offset pinion, effecting a relative feeding traverse between the cutter and gear along the line of such offset axis and simultaneously rotating the cutter and gear blank about their respective axes with components of angular velocity corresponding respectively to the running mesh of a pinion and face gear couple and to the rolling mesh of a pinion translated along such axial line.

10. A face gear generating machine comprising a supporting structure, a work spindle rotatively mounted on said supporting structure having provisions for holding a face gear blank, a cutter carriage mounted on the supporting structure with capability for guided linear movement in a path transverse to the work spindle, a cutter spindle holder mounted on said carriage adjustable about an axis parallel to the work spindle axis, a cutter spindle rotatively mounted in said holder with its axis intersecting and perpendicular to the axis of angular adjustment of the holder, a gear shaper cutter secured coaxially on the cutter spindle with its cutting face substantially coincident with the axis of angular adjustment, means for propelling the cutter carriage in its linear path, and means for rotating both spindles simultaneously in harmony with one another including means by which an increment proportional to the linear travel of the work carriage is imparted to the cutter spindle.

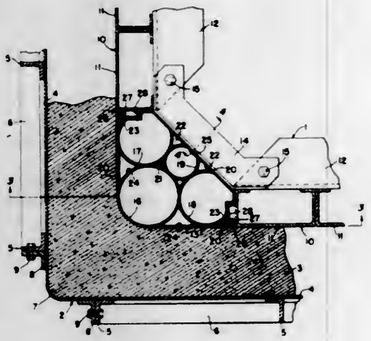
2,579,423

RETRACTABLE FORM STRUCTURE

Charles J. Ford, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application March 17, 1950, Serial No. 150,311

6 Claims. (Cl. 25—131)



1. A retractible form structure for use in supporting poured concrete wall construction, said form structure comprising at least two rigid wall forms disposed in angular relation to each other and corresponding generally in their dimensions to the walls to be cast; an inflatable rubberized fabric member connecting the rigid wall forms, said inflatable member being substantially coextensive with at least the vertical dimensions of the wall forms; and rigid stiffener elements for supporting the inflatable member in contact with the concrete and detachably connecting the ends of the wall forms.

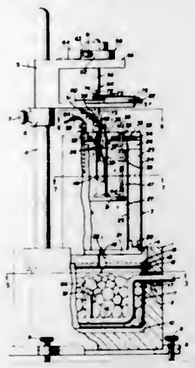
2,579,424

APPARATUS FOR MEASURING LOW-TEMPERATURE STIFFENING OF ELASTOMERS

Samuel D. Gehman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application June 8, 1948, Serial No. 31,680

9 Claims. (Cl. 73—15.6)



8. Apparatus for measuring low temperature stiffening of elastomers comprising an enclosure; a supporting means in the enclosure for securing each end of a sample of the material to be tested; twisting means externally of the enclosure; a flexible torsion member between the twisting means and one of the supporting means; means supported by the torsion member externally of the enclosure for indicating the degree of twist effected in the sample by the twisting means; and means in the enclosure for subjecting the sample while so supported to a wide range of predetermined temperatures.

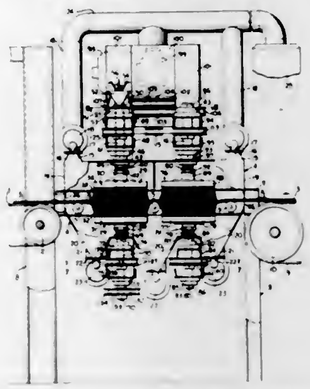
2,579,425

APPARATUS FOR DUSTING STRIP MATERIAL

Everett D. George, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application June 29, 1949, Serial No. 101,962

9 Claims. (Cl. 91—59)



1. An apparatus for coating a flexible tacky tube stock of continuous length with a pulverulent material, said apparatus comprising a conveyor means defining a path of travel for the tube stock; means supplying a substantially continuous flow of pulverulent material; a first brushing means embodying a plurality of members disposed in horizontally contiguous relation and transversely of the path of travel of the conveyor means; driving means for supporting and rotating said brushing means; means delivering the pulverulent material from the supply means to said brushing means; distributing means mounted on and disposed internally of said brushing means substantially normal to the flow of the pulverulent material from the delivery means; a second brushing means spaced from the first and embodying a plurality of members disposed in horizontally contiguous relation and transversely of the path of travel of the conveyor means; and driving means for supporting and rotating said second brushing means.

2,579,426

ALLYL AMINE CARBONATES, POLYMERS, AND COPOLYMERS

Clyde E. Gleim, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application July 26, 1947, Serial No. 764,023

6 Claims. (Cl. 260—77.5)

1. An unsaturated nitrogen-containing compound derived from hydroxylamine having the general formula XONHX in which X is hydrogen by replacing at least one hydrogen indicated by X with a radical of the general formula

$$CH_2{:}CRCH_2O\overset{O}{\overset{\|}{C}}-$$

wherein R is a radical selected from the group consisting of hydrogen, halogen and methyl.

2,579,427

ALLYL CARBONATES, POLYMERS, AND COPOLYMERS

Clyde E. Gleim, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 9, 1947, Serial No. 773,087

6 Claims. (Cl. 260—77.5)

1. The carbonate having the structural formula

$$CH_2{:}CHCH_2O\overset{O}{\overset{\|}{C}}ONHCONH\overset{O}{\overset{\|}{C}}OCH_2CH{:}CH_2$$

2,579,428

PARASITICIDAL COMPOSITION

Oscar H. Hammer, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application February 2, 1949, Serial No. 74,237

2 Claims. (Cl. 167—30)

1. A composition for the control of mites and spider mites comprising di-(4-chlorophenoxy)-methane and 4-chlorophenyl 4-chlorobenzene sulfonate in such proportions as to be mutually activating, the di-(4-chloro-phenoxy)-methane being present in the amount of from 0.5 to 10 parts by weight for each part by weight of 4-chlorophenyl 4-chlorobenzene sulfonate.

2,579,429

SULFUR COMPOSITION

Oscar H. Hammer, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application February 2, 1949, Serial No. 74,238

2 Claims. (Cl. 167—20)

1. A composition for the control of mites and spider mites comprising sulfur and 4-chlorophenyl 4-chlorobenzene sulfonate in such proportions as to be mutually activating, and in which the 4-chlorophenyl 4-chlorobenzene sulfonate is present in the amount of at least one percent by weight of the combined weights of 4-chlorophenyl 4-chlorobenzene sulfonate and sulfur.

2,579,430

DORMANT PARASITICIDE COMPOSITIONS

Oscar H. Hammer, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application June 11, 1949, Serial No. 98,623

3 Claims. (Cl. 167—30)

1. A miticide composition comprising as active toxic ingredients from 0.03 to 6 parts by weight of the 4-chlorophenyl ester of 4-chlorobenzene sulfonic acid in mixture with 1 part by weight of the triethanolamine salt of 2,4-dinitro-6-secondarybutylphenol, the active toxic ingredients in such composition being mutually activating.

2,579,431

PARASITICIDE COMPOSITION

Oscar H. Hammer, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application March 9, 1950, Serial No. 148,739

2 Claims. (Cl. 167—15)

1. A composition for the control of mite and insect pests, comprising as active toxic ingredients from 1 to 12 parts by weight of acid lead arsenate for each 4 parts of the 4-chlorophenyl ester of 4-chlorobenzene sulfonic acid, the active toxic ingredients in such composition being mutually activating.

2,579,432

SENSITIZING DYES FROM BITHIAZOLES

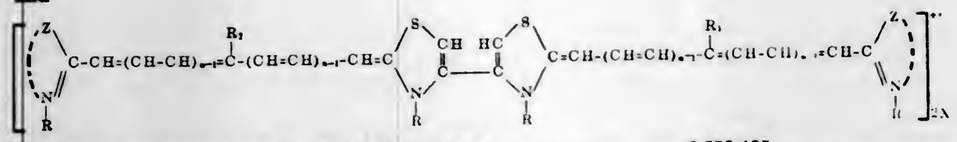
Lee C. Hensley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 31, 1950, Serial No. 193,283

6 Claims. (Cl. 260—240.1)

1. Tetranuclear dyestuffs characterized by a formula selected from the class consisting of the following formulae:

and



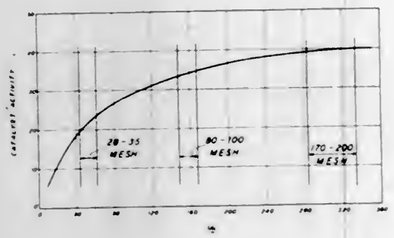
wherein R represents a member selected from the class consisting of alkyl and aralkyl groups, R_1 and R_2 represent a member selected from the class consisting of hydrogen and alkyl groups, n represents a positive integer ranging from 1 to 4, X represents an anionic radical, and Z represents the atoms necessary to complete a member selected from the class consisting of 5- and 6-membered nitrogenous heterocyclic system of the type usual in cyanine dyes.

2,579,433

PROCESS FOR POLYMERIZING OLEFINS

Melvin M. Holm, San Francisco, and Gordon E. Langlois, El Cerrito, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application May 25, 1948, Serial No. 29,027
9 Claims. (Cl. 260—683.15)



1. In a process for polymerizing olefinic hydrocarbons wherein an olefin-containing material is contacted with a phosphoric acid film catalyst, the improvement which comprises contacting said olefin-containing material with a catalyst consisting of non-porous, inert, solid particles having an average diameter not greater than that of 28–35 mesh particles and having a thin film of concentrated phosphoric acid disposed on the surfaces of said particles.

2,579,434

PARASITICIDAL COMPOSITION

Eugene E. Kenaga, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application February 2, 1949, Serial No. 74,247
2 Claims. (Cl. 167—30)

1. A composition for the control of mites and spider mites comprising 4-nitrophenyl diethyl thiophosphate and 4-chlorophenyl 4-chlorobenzene sulfonate in such proportions as to be mutually activating, and wherein from about 1 to 10 parts by weight of 4-chlorophenyl 4-chlorobenzene sulfonate is present for each part by weight 4-nitrophenyl diethyl thiophosphate.

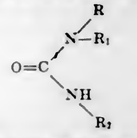
2,579,435

PROCESS OF INHIBITING COLOR DECOMPOSITION OF DYES PRESENT IN COLOR PHOTOGRAPHS

E. Scudder Mackey, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 12, 1950, Serial No. 155,557
6 Claims. (Cl. 95—88)

1. In a process of producing color photographic images in a multicolor photographic emulsion by exposing the emulsion, color developing, bleaching, fixing and washing the same, the improvement which comprises preventing the formation of stain after the washing operation by rinsing the said colored photographic image with an aqueous solution containing, in an anti-staining amount, a water-soluble addition product of formaldehyde and a urea selected from the class consisting of those having the following formula:



wherein R, R_1, and R_2 each represent a member selected from the class consisting of hydrogen and lower alkyl, and wherein R_2 is always hydrogen when both R and R_1 are lower alkyl.

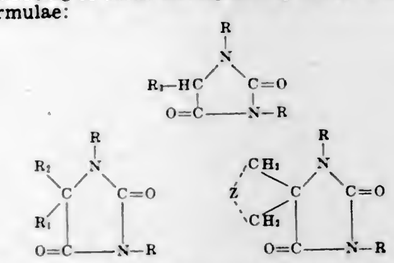
2,579,436

PROCESS OF INHIBITING THE DEGRADATION OF PHOTOGRAPHIC COLOR IMAGES

E. Scudder Mackey, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 12, 1950, Serial No. 155,558
6 Claims. (Cl. 95—88)

1. In the process of producing color photographic images in a multicolor photographic emulsion by exposing the emulsion, color developing, bleaching, fixing and washing the same, the improvement which comprises preventing the formation of stain after the washing operation by rinsing the said colored picture with an aqueous solution containing, in an anti-staining amount, a hydantoin compound selected from the class consisting of those corresponding to the following formulae:



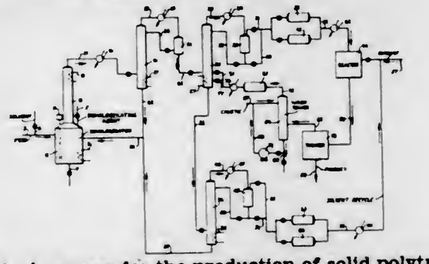
wherein R represents a member selected from the class consisting of hydrogen and methylol group, R_1 represents a lower alkyl group, R_2 is a group selected from the class consisting of lower alkyl and lower alkoxyalkyl groups, R_3 represents a member selected from the class consisting of hydrogen and lower alkyl group, Z represents the methylene radicals necessary to complete a member selected from the class consisting of five-membered and six-membered cycloaliphatic groups, and the water-soluble formaldehyde addition products of said hydantoin compound.

2,579,437

PROCESS FOR PREPARING SOLID POLYTRIFLUOROCHLOROETHYLENE

William T. Miller, Ithaca, N. Y., assignor to The M. W. Kellogg Company, a corporation of Delaware

Application March 13, 1948, Serial No. 14,797
7 Claims. (Cl. 260—92.1)



1. A process for the production of solid polytrifluorochloroethylene which comprises introducing trichlorotrifluoroethane and methyl alcohol into a dehalogenation zone, dechlorinating trichlorotrifluoroethane in said dehalogenation zone in the presence of excess zinc dust under conditions such that trifluorochloroethylene is produced as the primary product of the dehalogenation reaction, removing from said dehalogenation zone an effluent comprising trifluorochloroethylene, trichlorotrifluoroethane and methyl alcohol, passing said effluent from said dehalogenation zone to a first fractional distillation zone, recovering from said first distillation zone a relatively high-boiling fraction comprising methyl alcohol and a relatively low-boiling fraction comprising trifluorochloroethylene and trichlorotrifluoroethane, returning said relatively high-boiling fraction comprising methyl alcohol to said dehalogenation zone, passing said relatively low-boiling fraction comprising trifluorochloroethylene and trichlorotrifluoroethane to a second fractional distillation zone, recovering from said second fractional distillation zone a relatively low-boiling fraction comprising trifluorochloroethylene, passing trifluorochloroethylene separated in said second distillation zone to a polymerization reaction zone, introducing a solution of trichlorofluoromethane and trichloroacetyl peroxide into said polymerization zone, polymerizing trifluorochloroethylene in said polymerization zone under conditions such that solid polytrifluorochloroethylene is produced as the principal reaction product, evaporating from said solid polytrifluorochloroethylene product unreacted trifluorochloroethylene and trichlorofluoromethane and recovering substantially pure solid polytrifluorochloroethylene as a product of the process, condensing said trifluorochloroethylene and trichlorofluoromethane evaporated from said polymerization product and introducing same into second fractional distillation zone, and simultaneously admixing same therein with said low boiling fraction introduced therein from said first distillation zone, recovering from said second fractional distillation zone a relatively high-boiling fraction comprising trichlorotrifluoroethane and trichlorofluoromethane, passing said relatively high-boiling fraction from said second fractional distillation zone to a third fractional distillation zone, recovering from said third fractional distillation zone a relatively high-boiling fraction comprising trichlorotrifluoroethane and a relatively low-boiling fraction comprising trichlorofluoromethane, passing said relatively high-boiling fraction comprising trichlorotrifluoroethane from said third distillation zone to said dehalogenation zone, and returning trichlorofluoromethane separated in said third fractional distillation zone to said polymerization reaction zone.

2,579,438

SCREW HOLDING SCREW DRIVER

Earl E. Longfellow, Warsaw, Ind., assignor, by mesne assignments, to De Puy Manufacturing Company, Inc., Warsaw, Ind., a corporation of Indiana

Application February 15, 1946, Serial No. 647,922
7 Claims. (Cl. 145—52)



1. A bitless surgical screw driver, including in combination, a handle, a rod secured to the handle, radially outwardly biased collet jaws mounted at the free end of said rod, a collet tube structure surrounding the jaws and having an externally threaded portion, means biasing said collet tube structure outwardly along said rod to effect contraction of said jaws, a nut rotatably mounted on the externally threaded portion of said collet tube structure for movement axially outwardly relative to said tube to a position whereat said tube and nut are movable toward the handle against said spring to effect expansion of the jaws, said nut being rotatable toward the handle to engage it, whereby upon further rotation the collet tube is forced positively outwardly along said rod to effect contraction of said jaws.

2,579,439

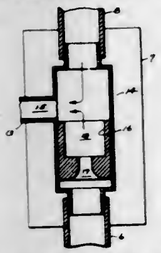
COMPRESSOR UNLOADING VALVE

Myron E. Noe, Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 20, 1948, Serial No. 3,296
2 Claims. (Cl. 137—153)

1. An unloading valve for a gas compressor

comprising a valve body having inlet and outlet passages, and an intermediate passage between said passages, a by-pass passage opening into said intermediate passage, and a piston arranged in said intermediate passage so as to be moved by a rise in gas pressure through said inlet passage to a position towards said outlet passage where it covers said by-pass passage, and so as to be moved



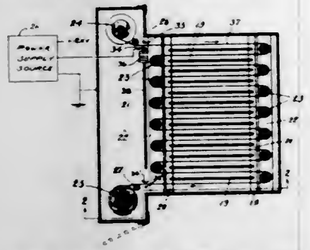
to another position towards said inlet passage where it uncovers said by-pass passage upon a fall in the gas pressure through said inlet passage, said piston having a head facing the gas inlet passage and a skirt facing the gas outlet passage and having a relatively large passage between the head and the skirt with a nozzle which converges towards the relatively large passage extending through the head.

2,579,440

ELECTROSTATIC PRECIPITATOR

Robert T. Palmer, Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 1, 1947, Serial No. 745,314
26 Claims. (Cl. 183—7)



1. An electrostatic precipitator comprising a casing having a gas inlet and a gas outlet, and having a collection chamber between said inlet and outlet, a collector electrode in said chamber, means for charging said electrode to one polarity, a dielectric sheet, means for moving said sheet through said chamber adjacent said electrode, and means including ionizer electrodes on opposite sides of said sheet for applying an electrostatic charge to said sheet having a polarity opposite to that of said electrode.

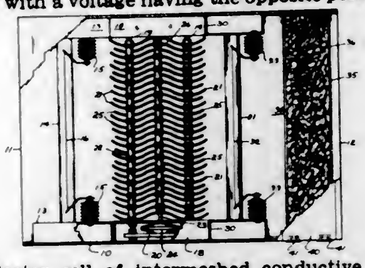
2,579,441

ELECTROSTATIC PRECIPITATOR

Robert T. Palmer, Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 25, 1950, Serial No. 146,178
4 Claims. (Cl. 183—7)

1. An electrostatic precipitator for removing foreign particles from a gas, comprising spaced, sinuous plates forming agglomerator electrodes, alternate of said plates being insulated from the others thereof, a high voltage, direct current supply connected to charge said alternate plates with a voltage having one polarity and said other plates with a voltage having the opposite polarity,



a collector cell of intermeshed conductive filaments downstream with respect to gas flow of said plates, and means connecting said filaments to said supply.

2,579,442

POLYMERIZATION OF ETHYLENICALLY UNSATURATED COMPOUNDS WITH CYANURIC TRIAZIDE CATALYST

Harold F. Park, East Longmeadow, and Henry A. Walter, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 14, 1950, Serial No. 200,873
2 Claims. (Cl. 260—93.5)

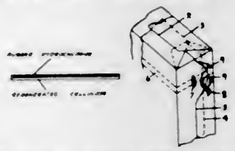
1. A process which comprises mass polymerizing an organic ethylenically unsaturated polymerizable monomer in contact with a catalytic amount of cyanuric triazide said process being carried out at an elevated temperature sufficient to effect polymerization.

2,579,443

TEAR TAPE

James E. Snyder, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application March 28, 1947, Serial No. 737,910
1 Claim. (Cl. 229—51)



A package which comprises a complete enclosure of rubber hydrochloride film and on the inner surfaces of the film and protruding out from one edge thereof a tear tape of regenerated cellulose laminated to rubber hydrochloride, rubber hydrochloride of the tear tape being heat-sealed to the inner surface of the wrapper throughout substantially its entire length.

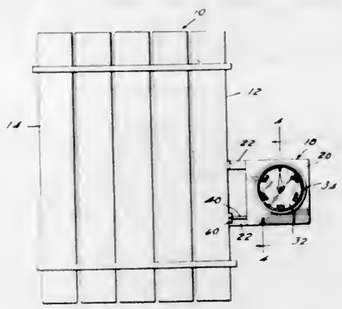
2,579,444

BALE WEIGHT GAUGE

Walter E. Taylor, Pascola, Mo.

Application May 26, 1950, Serial No. 164,434
4 Claims. (Cl. 73—141)

1. In a bale weight gage a yieldable head mounted on a side wall of a baling press for contact with the substance being baled, indicating means mounted adjacent said side wall, a rod coupled to the indicating means and to the yieldable head for movement thereby, whereby said indicating means will be actuated as the substance is compressed by the baling press and the yieldable head yields under the pressure of the substance thereagainst, and means carried by the



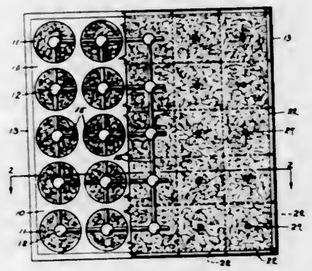
rod and engaging the side wall for regulating the pressure required to actuate the indicating means.

2,579,445

ELECTROSTATIC PRECIPITATOR

Ray W. Warburton, Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 28, 1949, Serial No. 73,277
21 Claims. (Cl. 183—7)



1. In an electrostatic precipitator, a collector cell containing intermeshed electrically conductive filaments having relatively high electrical resistances, means for applying an electrical charge of one polarity to said filaments at a plurality of points around a plurality of groups thereof, and means including electrically conductive spikes having relatively low electrical resistances penetrating said groups for applying an electrical charge of the opposite polarity to said filaments.

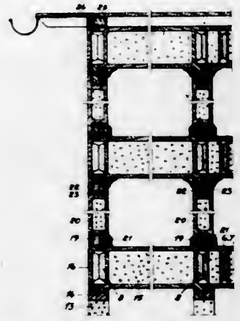
2,579,446

BOX BEAM CONSTRUCTION FOR FLOORS

Knut Lennart Bergvall and Ernst Erik Dahlberg, Stockholm, Sweden

Application April 27, 1945, Serial No. 590,530
In Sweden April 6, 1944
1 Claim. (Cl. 20—2)

In a building, a room having walls and a wooden floor construction comprising a plurality of interengaged parallel, elongated box-beam elements of tubular configuration in cross section arranged in side by side relationship, each element having a width substantially equal to the thickness of the floor and a length at least equal to one horizontal dimension of the room bounded by said walls, and each element comprising spaced parallel flanges and spaced, parallel webs arranged between said flanges and connected thereto, said flanges forming upper and lower members in the construction, the upper member forming the flooring in the room above the floor construction and the lower member forming the ceiling in the room below the construction, the flanges of each box-beam element having their



edges tongued and grooved and interengaged with adjacent similar members in the construction to form said floor and ceiling, said tongued and grooved portions being provided with corresponding dowels and sockets, respectively, engaging adjacent like members to stabilize the construction.

2,579,447

SUPPORT FOR CONDUIT MEMBERS

Jacques Boucher, Paris, France, assignor to Compagnie de Pont-a-Mousson, Nancy (M. & M.), France, a French company

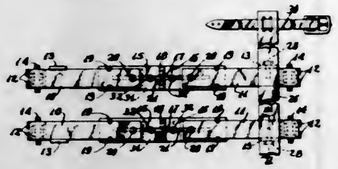
Application April 17, 1948, Serial No. 21,607
In France May 12, 1947
2 Claims. (Cl. 248—49)



1. The combination of a longitudinal element of canalization and of a support for said element, said support comprising a supporting base of concrete, the top face of which comprises transversely with respect to the longitudinal axis of said element two horizontal upper end portions, a middle horizontal lower portion and two inclined portions between said end and middle portions, the lines formed by the intersection of said end and middle with said inclined portions being parallel to said axis, two wedge pieces interposed between said element of canalization and said supporting base on the horizontal portions of the top face of which they are slidably keyed transversely to adjust the position of said element both in vertical and transversal directions, the lower face of each of said pieces comprising transversely two horizontal end surfaces for resting respectively on one of the upper horizontal portions and on the middle horizontal portion of the top surface of said supporting base and a middle inclined surface which is parallel to the corresponding inclined portion of said top surface, whereas the top face of said piece comprises an

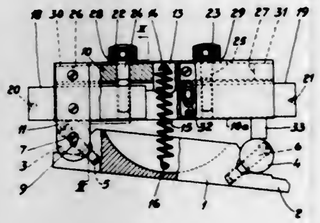
inclined surface of contact with the element of canalization, and at least a mortar filling between one of the inclined portions of said top face and the combined inclined surface of the corresponding wedge piece for setting in position said wedge piece with respect to said element of canalization and said supporting base.

2,579,448
FOLDABLE AND EXTENSIBLE TRANSPORTING DEVICE
Fernando Carrera, San Francisco, Calif.
Substituted for abandoned application Serial No. 734,711, March 14, 1947. This application September 21, 1950, Serial No. 186,025
4 Claims. (Cl. 280—35)



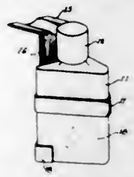
1. A transporting device, comprising a support unit including a pair of end support members longitudinally spaced from each other and provided with gripping elements, wheels mounted on the bottom of said support members, and a pair of pivotally connected strips adjustably connected with said support members, another support unit identical to said first-mentioned support unit and spaced laterally thereof, an arcuate member removably mounted across one of the ends of said support units between said gripping elements and provided with lugs secured to said gripping elements, and means for releasably holding said pivotally connected strips stationarily in a common plane.

2,579,449
INSTRUMENT FOR THE ADJUSTMENT AND MEASURING OF ANGLES IN MACHINE TOOLS
Eric Vilhelm Torsten Jahrl, Orebro, Sweden
Application April 5, 1947, Serial No. 739,532
In Sweden March 26, 1945
1 Claim. (Cl. 33—174)



An instrument for the adjustment and measuring of angles comprising, in combination, a block, a sine-bar pivotally attached to said block, two bores arranged in alignment in said block substantially at right angles to the pivot of said sine-bar, two studs displaceably arranged, respectively, in said bores, and means for locking said studs in said bores, said studs being provided at the ends thereof projecting from said bores with center apertures adapted to receive the center pins of a machine tool.

2,579,450
FINGER SUPPORT FOR NAIL POLISH APPLICATION
Philip Libson, Brooklyn, N. Y.
Application November 24, 1947, Serial No. 787,806
4 Claims. (Cl. 132—73.5)



1. A finger support for use with a nail polish bottle to facilitate the transfer of polish from the bottle to a finger nail and to steady the bottle during the immersion and withdrawal of the brush, comprising a substantially horizontal platform shaped to support an individual finger tip, a support for said platform including a substantially vertical wall portion extending downwardly from one edge of said platform for a distance approximately equal to the height of a nail polish bottle and adapted to be located in a plane tangential to a wall of the nail polish bottle, and a loop element secured to said vertical wall intermediate its ends and at a distance from said platform edge exceeding the height of the neck of a nail polish bottle, said loop element projecting from said vertical wall in a horizontal plane away from said platform and being shaped and dimensioned to be slipped over and to embrace the body of a nail polish bottle to attach the finger support to such bottle.

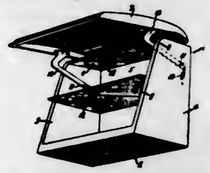
2,579,451
POLYMERIC MATERIALS
Allen E. Polson, Tallmadge, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1948, Serial No. 68,761
9 Claims. (Cl. 18—54)

3. A process for obtaining shaped articles which comprises the steps of dissolving at a temperature of —10° C. to 35° C. polyacrylonitrile in an oxy acid from the group consisting of nitric acid, phosphoric acid, and sulphuric acid, maintaining the solution at said temperature until from 2% to 75% of the nitrile groups in the polyacrylonitrile have been converted into amide groups, extruding the solution thus obtained into a liquid coagulating bath which is a nonsolvent for the dissolved polymer but which is a solvent for said acid, water being present in at least one of these two steps.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

692,763. **WALL CABINET.** Ray Patten, Norwalk, Conn., assignor to General Electric Company, a corporation of New York. Filed Aug. 24, 1946. Published Dec. 18, 1951. Class 312—327. 1 sheet of drawings. 3 pages of specification.

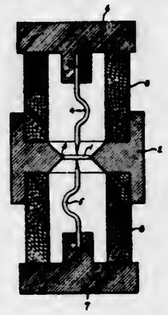


A wall cabinet cover is hinged by a pair of curved arms 10 rigidly fixed thereto and pivotally mounted to cabinet side walls 3 and 4 on pins 11. The cover is counterbalanced by a pair of springs 12 fixed at one end to the walls 3 and 4 and at the other to the free ends of the arms 10. By this arrangement the cover, when open, overlaps the top of the cabinet and overhangs the front of the cabinet, providing access to the cabinet shelves and a minimum of interference with adjacent cabinets.

713,087. **PHENOLIC COATING COMPOSITION AND PROCESS.** Hyman Schwartzberg, Chicago, Ill. Filed Nov. 29, 1946. Published Dec. 18, 1951. Class 260—15. No drawing. 9 pages of specification.

This application relates to coating compositions from thin syrupy phenolic polyalcohols, which are resinified only slightly or not at all, produced in the following manner. Completely dissolve .05–0.1 mol, or even up to 1 mol, of a strong base, e. g., NaOH or methylamine, in one mol of phenol or an alkyl phenol having three reactive positions, e. g., meta cresol or 3,5 xylenol, or mixtures of such phenols preferably containing 5% or less of alkyl phenol. Mix this solution with 2¼ to 3½ mols, or more, of an aldehyde, such as 37% aqueous formaldehyde, paraformaldehyde or other aliphatic aldehydes of chain length up to 5 carbon atoms. Allow to stand at 70°–80° F. for 7 days or at up to 100° F. for five days. This aging period may vary from 3–10 days depending on the phenol. Meta cresol may react completely in 4 days, but preferably at least 5 days are allowed to insure complete reaction. Proportions of aldehyde greater than 3½ mols may be used to increase the rate of condensation. Next, place the resulting mixture in a jacketed vacuum kettle and heat with agitation, but without vacuum to 130°–150° F. Immediately neutralize and adjust to pH of about 6 by adding an acid, such as hydrochloric, phosphoric, oxalic (preferred), or fumaric; sulfuric and nitric acid may also be used. Cool promptly by circulating water through the jacket, to avoid rapid and uncontrolled polymerization. Inspissate under vacuum at temperatures of 90° F.–120° F. and pressures of 10 mm. to 75 mm., respectively, to remove at least about 93% to 97% of the water; this also removes any excess aldehyde. Then filter to remove salts and any other solid matter. The dehydrated syrup is water soluble, very stable, and heat-curable. Coatings formed by curing films of the syrup tend to exhibit pinholes, which may be avoided by blending the syrup in a volatile compatible solvent (such as ethyl, butyl or amyl alcohols or their esters, or the volatile ketones such as acetone) with 5–20% of a compatible film-forming high polymer, such as polyvinyl butyral or a cellulose derivative, e. g., methyl or ethyl cellulose or nitrocellulose. Preferably an acid accelerator, such as phosphoric or p-toluene sulfonic acid, dimethyl acid pyrophosphate, methyl phosphoric acid (particularly desirable for syrups made from phenol) or other alkyl esters of phosphoric acid, is included in amounts of 6–10% by weight of the syrup. It is preferable to dissolve the catalyst and high polymer in a portion of the solvent and then blend with rapid agitation. The coating compositions may be applied to wood (preferably) or metals. They dry in 1–2 hours at 130° F. to 150° F. to a finish which becomes glossy, hard, flexible, pale and insoluble in acetol and alcohol. They air dry hard in 2–4 hours. They remain light-colored in ultra-violet light, have excellent sanding and rubbing properties, show good adhesion between coats, are mar-resistant, fire-retardant, and hot and cold check-resistant. They may be blended with inerts to form wood-fillers, and pigmented to form enamels.

65,305. **ASYMMETRICALLY CONDUCTIVE DEVICE.** Thomas H. Kinman, Rugby, England, assignor to General Electric Company, a corporation of New York. Filed Dec. 15, 1948. Published Dec. 18, 1951. Class 175—366. 1 sheet of drawings. 7 pages of specification.



The application relates to three-electrode semiconductor devices which have become known as "transistors." The application discloses a transistor in which an "exciter" electrode 4 and a "collector" electrode 5 make rectifying point contact with opposite faces of a thin semiconductor slab 1, preferably germanium. A "return" conductor 2 supports and makes contact to the pe-

riphery of slab 1. This coaxial-type structure is sturdy and economical and enables a proper spacing between the emitter and collector electrodes equal to the thickness of the intermediately positioned slab 1.

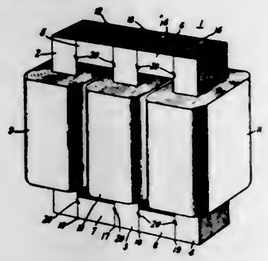
102,057. **CUTTER BAR ASSEMBLY FOR A MOWER.** Vernon O. Hauswirth, Los Gatos, Calif., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware. Filed June 29, 1949. Published Dec. 18, 1951. Class 56—305. 2 sheets of drawings. 7 pages of specification.



This disclosure relates to an improved adjusting device for varying the height of a guide member on the cutter bar of an agricultural mower relative to the reciprocating knife.

As illustrated in Figure 4 of the application wherein a reciprocating knife **22** rests on the inner shoe **60** of the cutter bar of an agricultural mower, a guide element **33** is adjustably supported relative to the knife **22** by an assemblage embodying this invention. Such assemblage includes a bolt **34** which traverses the inner shoe **60** and clamps an exteriorly threaded bushing **36** to the shoe **60** by cooperation with the nut **42**. The bushing **36** threadably engages a suitable hole in the guide element **33** so that rotational adjustment of the bushing **36** effects vertical adjustment of the guide element **33**. The guide element is locked in the selected position of vertical adjustment by a lock nut **38** which also cooperates with the external threads on bushing **36**.

131,029. **WELDING OF LAMINATED CORE.** George E. Stack, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York. Filed Dec. 3, 1949. Published Dec. 18, 1951. Class 175—21. 1 sheet of drawings. 9 pages of specification.

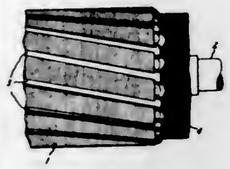


This application discloses a construction for a magnetic core of hollow rectangular shape formed of laminated magnetic material in which the stacks of laminations comprising intersecting leg and yoke members are welded together to provide a unitary structure. In the embodiment shown in the drawing, leg members **2** and **3** are connected at the top by yoke member **5** and at the bottom by yoke member **7**, while legs **3** and **4** are connected at the top by yoke member **6** and at the bottom by yoke member **8**.

The laminations comprising the leg members **2**, **3**, and **4** each extend the entire distance from the upper to the lower end of the core, and each of the laminations comprising the respective yoke members extends for a distance equal to the width of a core window. The butt-jointed edges of leg and yoke laminations for a given pair of intersecting leg and yoke members lie along the same line transverse of the core, without any overlapping of joints for adjacent laminar layers. To hold the core in assembled relation line welds **12–19** inclusive are placed across the edges of the intersecting leg and yoke members. Spot welds **20** may be used to hold the outermost laminations in place with respect to each other.

In a modified embodiment of this construction the respective intersecting leg and yoke members may be interleaved using a conventional butt and lap joint with line welds being placed across the transverse edges of the stacked laminations along the joint lines.

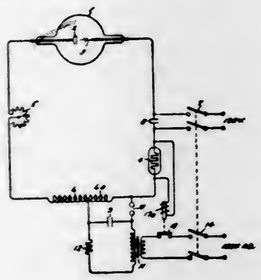
136,192. **SPECIAL TWO-POLE ROTOR WINDING.** Charles A. Thomas and Edward Klomp, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York. Filed Dec. 31, 1949. Published Dec. 18, 1951. Class 171—206. 1 sheet of drawings. 7 pages of specification.





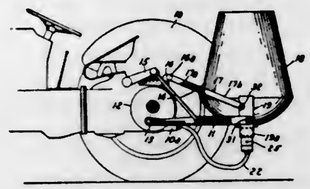
Discloses an armature winding **4** in which the inactive ends of the multi-turn coils are formed in the shape of an arc of a circle rather than a chord.

151,616. **STARTING AND OPERATING CIRCUIT FOR HIGH-PRESSURE GASEOUS DISCHARGE DEVICE.** Howard I. Becker, Vischers Ferry, N. Y., assignor to General Electric Company, a corporation of New York. Filed Mar. 24, 1950. Published Dec. 18, 1951. Class 315—238. 1 sheet of drawings. 12 pages of specification.



The application discloses a starting and operating circuit for a high pressure vapor discharge device wherein there is connected in series circuit relation in the operating circuit an inductor **6** of relatively low inductance and of sufficient current-carrying capacity that it may remain in circuit with the discharge device under steady-state operating conditions. The starting circuit includes a capacitor **9** connected across a portion **6a** of the inductor **6** through a spark gap **10**. The capacitor **9** is recurrently charged through a transformer **11** and recurrently discharges in oscillatory manner through the spark gap and the inductor portion **6a**. The high frequency discharge oscillations are impressed upon the discharge device electrodes **2** and **3** through the inductor **6** acting as an autotransformer.

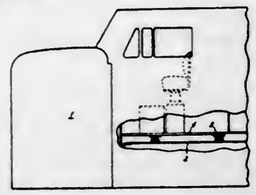
168,769. **TRACTOR TRANSPORTED MIXING DEVICE.** George Vlaich, Centerline, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware. Filed June 17, 1950. Published Dec. 18, 1951. Class 298—10. 2 sheets of drawings. 7 pages of specification.



This disclosure relates to an arrangement for mounting a material mixing device on the power lifted hitch links of a tractor so that the tractor hitch links may be employed not only to support the mixing device in an elevated position for transport purposes but also to control tilting of the mixing device for discharge of its contents.

Applicant thus provides a material mixing container **18** which is rotatably supported in a yoke shaped frame **19**. Frame **19** is mounted on the conventional power lifted hitch links **11** of a tractor **10** and is additionally connected to tractor **10** by a yoke shaped link **17** which has its forward end pivotally connected to the bracket **16** on the tractor which normally accommodates the tractor top link. Link **17** is disposed in non-parallelogram relationship with respect to the tractor hitch links **11** so that elevation of the tractor hitch links **11** automatically produces a tilting of the frame **19** and hence of the material mixing container **18**. The material mixing container **18** is rotated within the frame **19** by a flexible drive connection **22** to the tractor power-take-off **10a**.

183,961. **FLEXIBLE FLOOR MOUNTING.** Arthur H. Morey, Erie, Pa., assignor to General Electric Company, a corporation of New York. Filed Sept. 9, 1950. Published Dec. 18, 1951. Class 105—422. 1 sheet of drawings. 5 pages of specification.

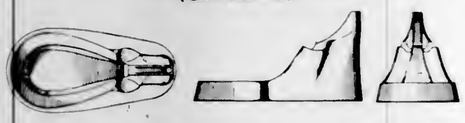


Discloses a flexible mounting for a locomotive cab floor **4** comprising symmetrical shock absorbing devices **3** secured to the floor **4** and under frame **2** of the locomotive structure. The devices are disposed with the symmetrical axis of some of the devices positioned transversely and others longitudinally with respect to the longitudinal axis of the locomotive.

DESIGNS

DECEMBER 18, 1951

165,409
ASH TRAY OR THE LIKE
Odvar Andresen, Brooklyn, N. Y.
Application November 16, 1950, Serial No. 13,017
Term of patent 7 years
(Cl. D85—2)



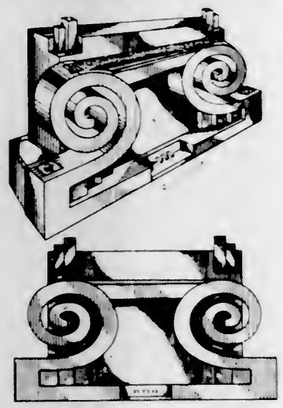
The ornamental design for an ash tray or the like, as shown.

165,410
CLOCK CASE
Rudolph M. Babel, Pawtucket, R. I., assignor to General Electric Company, a corporation of New York
Application August 11, 1951, Serial No. 16,241
Term of patent 14 years
(Cl. D42—7)

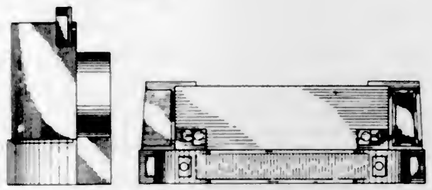


The ornamental design for a clock case, as shown.

165,411
CASING FOR A PIANO OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application October 25, 1948, Serial No. 149,288
Term of patent 14 years
(Cl. D56—9)

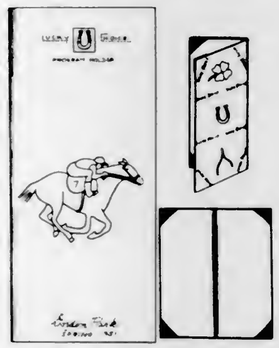


165,411—Continued



The ornamental design for a casing for a piano or similar article, as shown and described.

165,412
HOLDER FOR RACING PROGRAMS OR THE LIKE
Alex D. Bernstein and Henry William Bernstein, New York, N. Y.
Application May 26, 1951, Serial No. 15,323
Term of patent 3½ years
(Cl. D59—3)



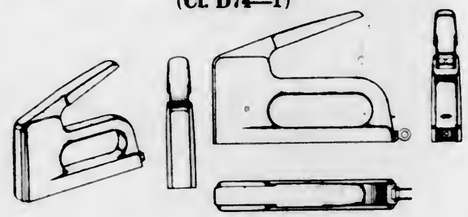
The ornamental design for a holder for racing programs or the like, substantially as shown and described.

165,413
BELT BUCKLE OR SIMILAR ARTICLE
John R. Craighead, Denver, Colo.
Application November 24, 1947, Serial No. 142,758
Term of patent 14 years
(Cl. D17—1)



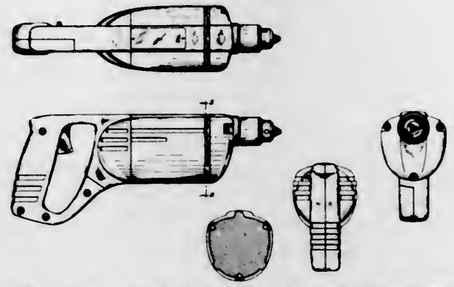
The ornamental design for a belt buckle or similar article, as shown and described.

165,414
STAPLING MACHINE
Stephen A. Crosby and Richard B. Vail, Chicago, Ill., assignors to Vail Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 20, 1951, Serial No. 16,691
Term of patent 14 years
(Cl. D74—1)



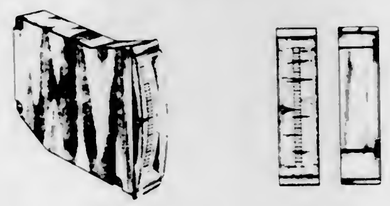
The ornamental design for a stapling machine, as shown.

165,415
PORTABLE ELECTRIC DRILL UNIT
Robert K. Davis, Evergreen Park, Ill., assignor to Portable Electric Tools, Inc., Chicago, Ill., a corporation of Illinois
Application April 6, 1951, Serial No. 14,737
Term of patent 14 years
(Cl. D54—14)



The ornamental design for a portable electric drill unit, substantially as shown.

165,416
INDICATING INSTRUMENT
Paul S. Dickey, East Cleveland, and Harvard H. Gorrie, Cleveland Heights, Ohio, assignors to Bailey Meter Company, a corporation of Delaware
Application July 22, 1950, Serial No. 11,367
Term of patent 14 years
(Cl. D52—1)



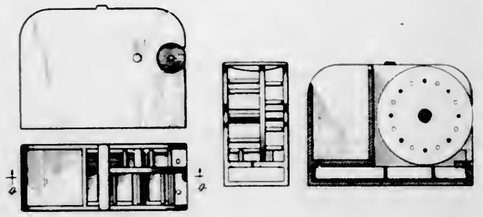
The ornamental design for an indicating instrument, substantially as shown and described.

165,417
CIGARETTE LIGHTER
Arthur Dubsky, New York, N. Y., assignor to Austam Manufacturing Corp., a corporation of New York
Application November 14, 1950, Serial No. 12,984
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a cigarette lighter, substantially as shown.

165,418
SEWING CABINET
A. Ivar Ekstrom, Rockford, Ill.
Application August 2, 1951, Serial No. 16,128
Term of patent 7 years
(Cl. D3—19)



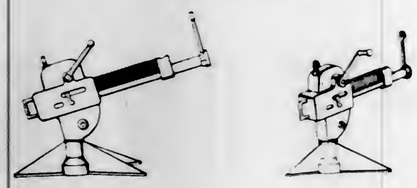
The ornamental design for a sewing cabinet, as shown.

165,419
TWIN-WHEEL TOOL GRINDER
John J. Falls, Cincinnati, Ohio, assignor to The Standard Electrical Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application April 6, 1951, Serial No. 14,735
Term of patent 14 years
(Cl. D37—1)



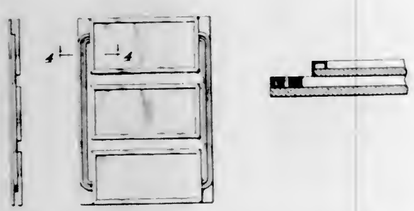
The ornamental design for a twin-wheel tool grinder, as shown and described.

165,420
TOY MACHINE GUN
Carl F. Gladen, Bay City, Mich.
Application March 19, 1951, Serial No. 14,550
Term of patent 7 years
(Cl. D34—15)



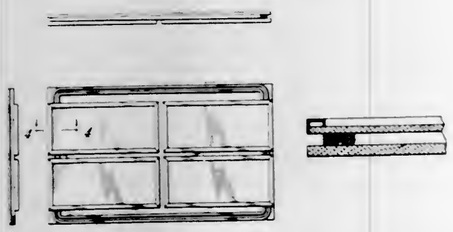
The ornamental design for a toy machine gun, as shown.

165,421
POSTER PANEL
Clark H. Hammond, Chicago, Ill., assignor to General Outdoor Advertising Company, Inc., Chicago, Ill., a corporation of New Jersey
Application October 6, 1949, Serial No. 5,333
Term of patent 14 years
(Cl. D1—12)



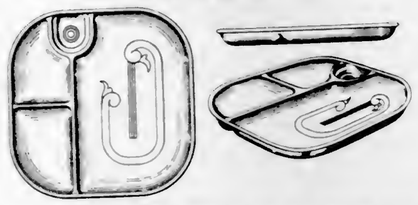
The ornamental design for a poster panel, as shown and described.

165,422
POSTER PANEL
Clark H. Hammond, Chicago, Ill., assignor to General Outdoor Advertising Company, Inc., Chicago, Ill., a corporation of New Jersey
Application October 6, 1949, Serial No. 5,335
Term of patent 14 years
(Cl. D1—12)



The ornamental design for a poster panel, as shown and described.

165,423
COMPARTMENTED PLATE
Tony M. Harris, Decatur, Ill.
Application August 13, 1951, Serial No. 16,257
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a compartmental plate, as shown.

165,424
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,331
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,425
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,332
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,426
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,335
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,427
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,336
Term of patent 14 years
(Cl. D92—26)



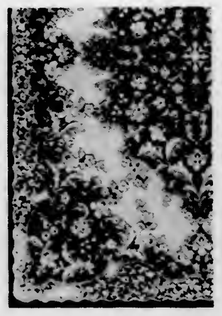
The ornamental design for a tablecloth, substantially as shown and described.

165,428
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,337
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,429
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,338
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,430
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,339
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,431
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,340
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,432
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,341
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,433
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,342
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,434
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,343
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,435
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,344
Term of patent 14 years
(Cl. D92—26)



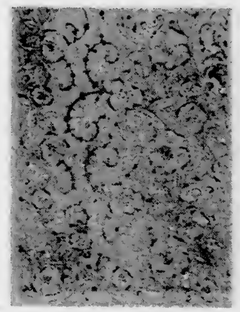
The ornamental design for a tablecloth, substantially as shown and described.

165,436
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,345
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,437
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,346
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,438
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,348
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,439
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,349
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,440
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,350
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,441
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,352
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,442
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,353
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,443
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,354
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,444
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,355
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,445
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,356
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,446
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,357
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,447
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,358
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,448
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,359
Term of patent 14 years
(Cl. D92—26)



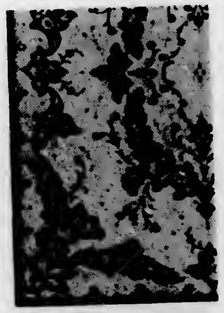
The ornamental design for a tablecloth, substantially as shown and described.

165,449
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,360
Term of patent 14 years
(Cl. D92—26)



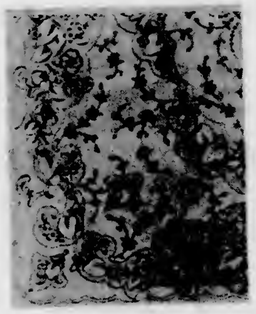
The ornamental design for a tablecloth, substantially as shown and described.

165,450
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,361
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,451
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,362
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,452
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,363
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,453
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,364
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,454
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,365
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a tablecloth, substantially as shown and described.

165,455
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,366
Term of patent 14 years
(Cl. D92—26)



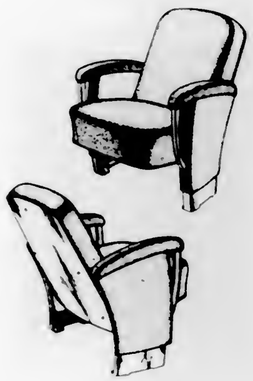
The ornamental design for a tablecloth, substantially as shown and described.

165,456
TABLECLOTH
Howard D. Hooven, deceased, late of Doylestown, Pa., by Florence S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company, a corporation of Pennsylvania
Application August 17, 1951, Serial No. 16,368
Term of patent 14 years
(Cl. D92—26)



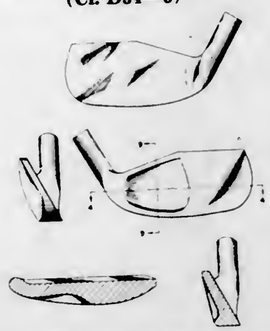
The ornamental design for a tablecloth, substantially as shown and described.

165,457
THEATER LOGE CHAIR
Alfred C. Hoven and Walter E. Nordmark, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application May 18, 1950, Serial No. 10,022
Term of patent 14 years
(Cl. D15—8)



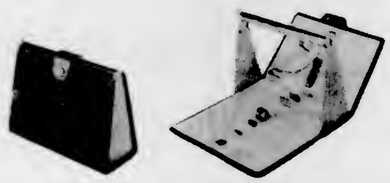
The ornamental design for a theater loge chair, as shown.

165,458
GOLF CLUB HEAD
William H. Jacobs, Akron, Ohio
Application September 7, 1949, Serial No. 4,883
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a golf club head, substantially as shown.

165,459
MANICURE KIT
Stuart S. Joslyn, Chester, Conn., assignor to C. J. Bates & Son, Chester, Conn., a firm
Application October 31, 1950, Serial No. 12,786
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a manicure kit, as shown and described.

165,460
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1951, Serial No. 16,119
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,461
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1951, Serial No. 16,123
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,462
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1951, Serial No. 16,124
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,463
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1951, Serial No. 16,125
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,464
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1951, Serial No. 16,126
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,465
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1951, Serial No. 16,308
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,466
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1951, Serial No. 16,309
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,467
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1951, Serial No. 16,310
Term of patent 7 years
(Cl. D45—19)



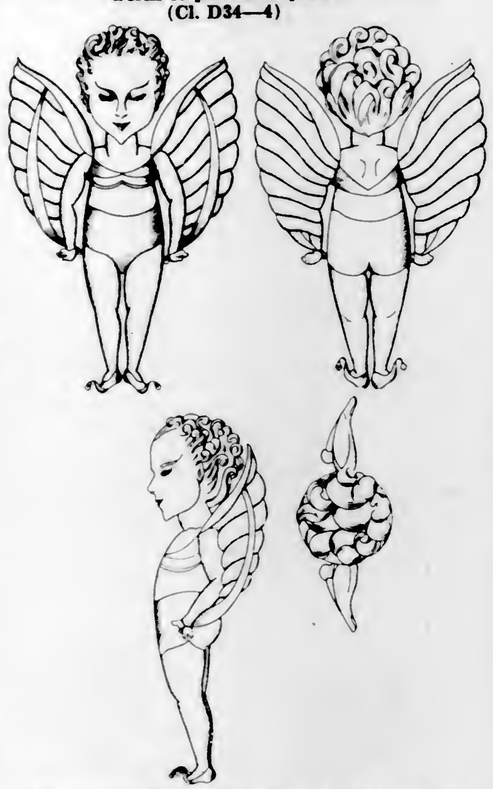
The ornamental design for a brooch or the like, substantially as shown.

165,468
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1951, Serial No. 16,311
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,469
WINGED DOLL
Leah Katz, New Orleans, La.
Application February 13, 1951, Serial No. 14,197
Term of patent 14 years
(Cl. D34—4)



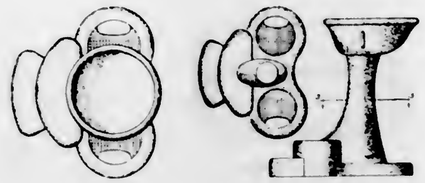
The ornamental design for a winged doll, as shown.

165,470
TABLE LAMP
Ernest A. Kramer, Tuckahoe, N. Y.
Application June 2, 1950, Serial No. 10,305
Term of patent 7 years
(Cl. D48—20)



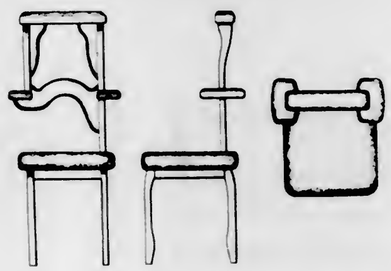
The ornamental design for a table lamp, as shown and described.

165,471
FOUNTAIN
Carl G. Krantos, New York, N. Y.
Application March 25, 1949, Serial No. 1,623
Term of patent 7 years
(Cl. D91—4)



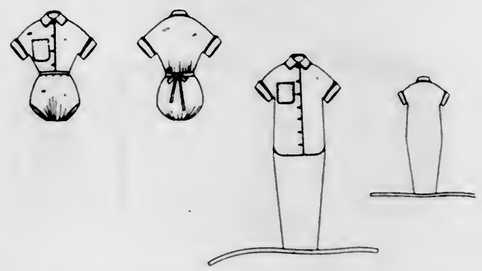
The ornamental design for a fountain, as shown.

165,472
CHAIR FOR VIEWING TELEVISION
Jacob C. Lamm, Baltimore, Md.
Application August 8, 1951, Serial No. 16,205
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a chair for viewing television, as shown.

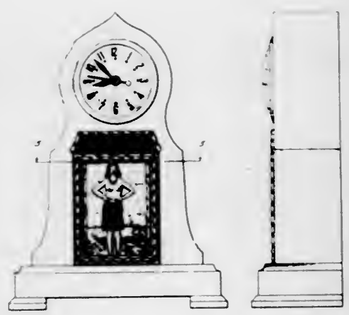
165,473
PLAY SUIT
Tina Leser, New York, N. Y.
Application March 21, 1951, Serial No. 14,568
Term of patent 3½ years
(Cl. D3—17)

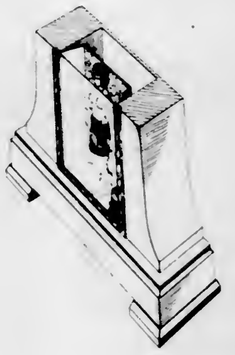


The ornamental design for a play suit, substantially as shown.

165,474
CLOCKCASE OR SIMILAR ARTICLE
Abraham Levy, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application February 9, 1951, Serial No. 14,155
Term of patent 14 years
(Cl. D42—7)

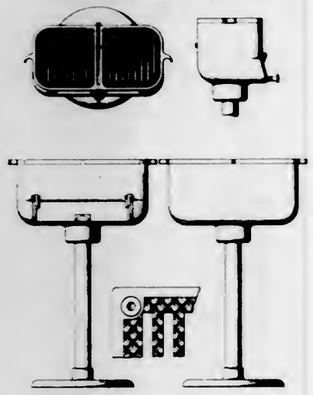






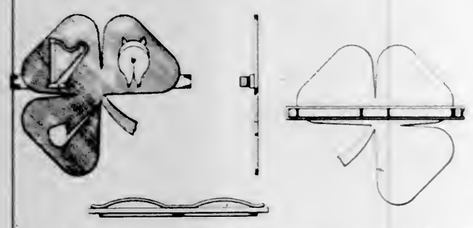
The ornamental design for a clockcase or similar article, as shown and described.

165,475
PICNIC GRILL
Warren P. Miller, Norman R. Miller, and Ralph E. Williams, Anderson, Ind.
Application January 4, 1950, Serial No. 6,996
Term of patent 14 years
(Cl. D81—10)



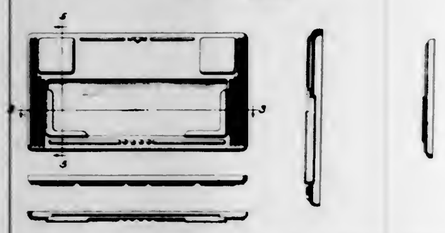
The ornamental design for a picnic grill, as shown.

165,476
COLLAR CLASP
William L. Mitchell, Omaha, Nebr.
Application June 14, 1951, Serial No. 15,533
Term of patent 14 years
(Cl. D17—8)



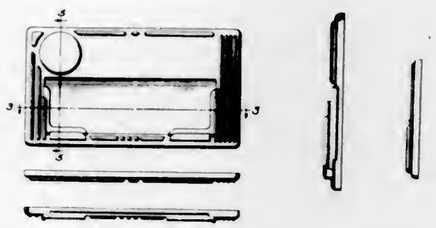
The ornamental design for a collar clasp, as shown and described.

165,477
CALENDAR STAND OR SIMILAR ARTICLE
Carlyle N. Montanye, Baltimore, Md.
Application June 27, 1951, Serial No. 15,677
Term of patent 14 years
(Cl. D74—5)



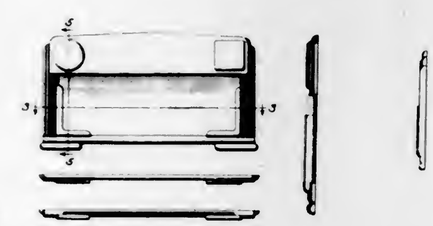
The ornamental design for a calendar stand or similar article, as shown.

165,478
CALENDAR STAND OR SIMILAR ARTICLE
Carlyle N. Montanye, Baltimore, Md.
Application June 27, 1951, Serial No. 15,678
Term of patent 14 years
(Cl. D74—5)



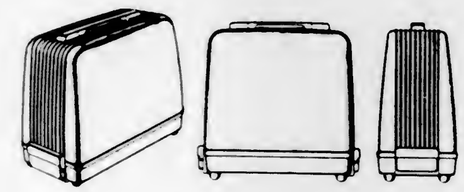
The ornamental design for a calendar stand or similar article, as shown.

165,479
CALENDAR STAND OR SIMILAR ARTICLE
Carlyle N. Montanye, Baltimore, Md.
Application June 27, 1951, Serial No. 15,679
Term of patent 14 years
(Cl. D74—5)



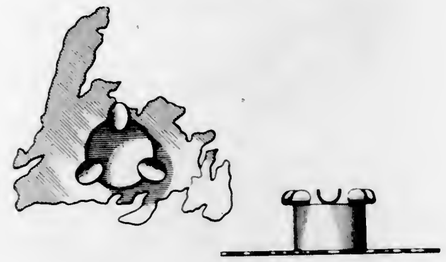
The ornamental design for a calendar stand or similar article, as shown.

165,480
PROJECTOR CASE OR THE LIKE
Erdick H. Nelson, Walworth, Wis.
Application June 30, 1951, Serial No. 15,728
Term of patent 14 years
(Cl. D61—1)



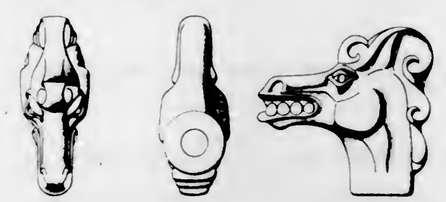
The ornamental design for a projector case or the like, substantially as shown.

165,481
ASH TRAY
Charles Purrington Oakley, Benson, Ariz.
Substituted for abandoned application Serial No. 136,027, January 9, 1947. This application February 2, 1951, Serial No. 14,085.
Term of patent 14 years
(Cl. D85—2)



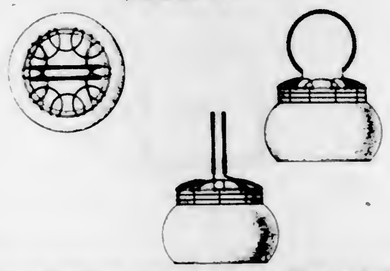
The ornamental design for an ash tray, as shown.

165,482
HOBBYHORSE HEAD
Eugene Porozynski, Cleveland Heights, Ohio
Application April 12, 1950, Serial No. 9,157
Term of patent 14 years
(Cl. D34—15)



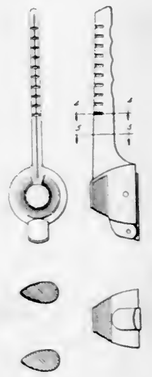
The ornamental design for a hobbyhorse head, as shown and described.

165,483
HANDBAG
Theodore Rosenberg, New Rochelle, and Harry T. Silverman, Forest Hills, N. Y.
Application August 30, 1951, Serial No. 16,482
Term of patent 7 years
(Cl. D87—3)



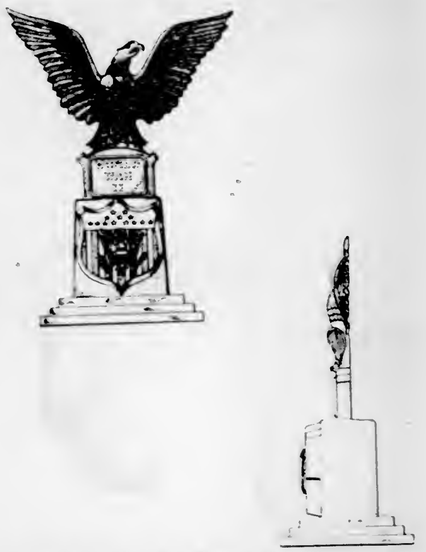
The ornamental design for a handbag, substantially as shown.

165,484
HANDLE FOR A REFRIGERATOR DOOR LATCH
Charles W. Sanders, Greenville, Mich., assignor to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application February 6, 1951, Serial No. 14,109
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a handle for a refrigerator door latch, as shown.

165,485
MEMORIAL STATUETTE
Carmelo Savoca, Astoria, N. Y.
Application September 20, 1948, Serial No. 148,673
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a memorial statuette, substantially as shown and described.

165,486
STOCKING
Richard E. Schletter, Cheltenham Township, Montgomery County, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application October 5, 1948, Serial No. 148,973
Term of patent 14 years
(Cl. D47—7)



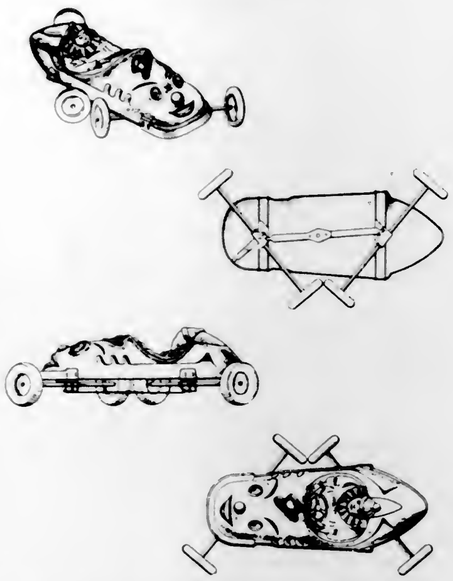
The ornamental design for a stocking, as shown.

165,487
STOCKING
Richard E. Schletter, Cheltenham Township, Montgomery County, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application October 5, 1948, Serial No. 148,974
Term of patent 14 years
(Cl. D47—7)



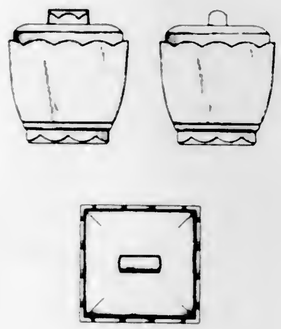
The ornamental design for a stocking, as shown.

165,488
TOY AUTOMOBILE
Harry Sebel, London, England
Application March 14, 1950, Serial No. 8,530
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy automobile, as shown.

165,489
COMBINED JAR AND COVER OR SIMILAR ARTICLE
Stanley J. Shepard, Laguna Beach, Calif.
Application March 9, 1951, Serial No. 14,436
Term of patent 7 years
(Cl. D58—25)



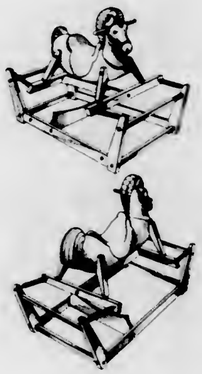
The ornamental design for a combined jar and cover or similar article, as shown.

165,490
DOLL DISPLAY PACKAGE
Robert E. Smith, New Rochelle, N. Y., assignor to Kagran Corporation, New York, N. Y., a corporation of New York
Application April 5, 1949, Serial No. 1,809
Term of patent 14 years
(Cl. D80—5)



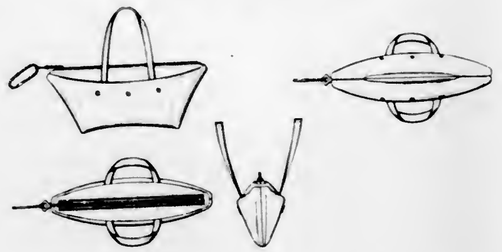
The ornamental design for a doll display package, as shown and described.

165,491
HOBBYHORSE
Robert M. Spangler, Chicago, Ill.
Application September 7, 1950, Serial No. 12,099
Term of patent 14 years
(Cl. D34—15)



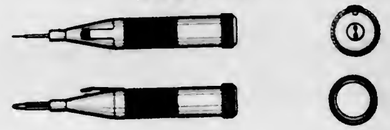
The ornamental design for a hobbyhorse, as shown.

165,492
HANDBAG
Joseph Stakofsky, Brooklyn, N. Y.
Application June 25, 1951, Serial No. 15,649
Term of patent 3½ years
(Cl. D87—3)



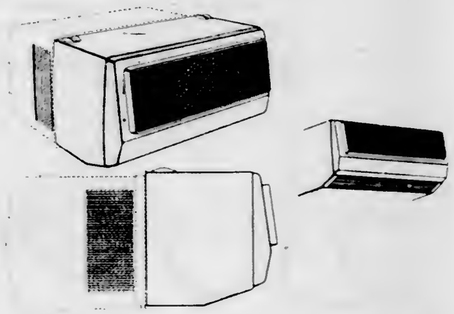
The ornamental design for a handbag, as shown.

165,493
COAGULATOR
Charles R. Storz, Jr., Jefferson County, Mo., assignor to Storz Instrument Company, St. Louis, Mo., a corporation of Missouri
Application February 7, 1951, Serial No. 14,121
Term of patent 7 years
(Cl. D83—1)



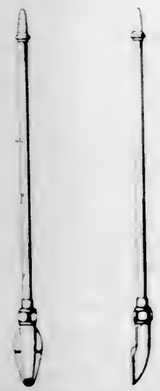
The ornamental design for a coagulator, as shown.

165,494
CABINET FOR AN AIR-CONDITIONING UNIT OR SIMILAR ARTICLE
Walter Dorwin Teague, Annandale, N. J., and Robert H. Ensign, Bronxville, N. Y., assignors to General Electric Company, a corporation of New York
Application April 7, 1951, Serial No. 14,744
Term of patent 14 years
(Cl. D62—4)



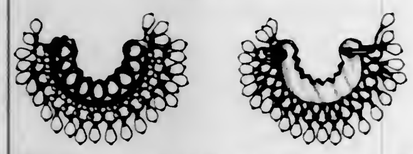
The ornamental design for a cabinet for an air conditioning unit or similar article, substantially as shown and described.

165,495
FENDER GUIDE
Joseph O. Thibault, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application August 3, 1950, Serial No. 11,569
Term of patent 3½ years
(Cl. D14—6)



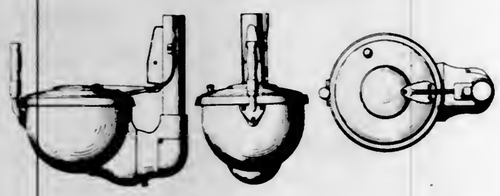
The ornamental design for a fender guide, as shown.

165,496
EAR ORNAMENT
Eric Magarey Trott, Parkview, Johannesburg, Transvaal Province, Union of South Africa
Application November 1, 1950, Serial No. 12,814
Term of patent 14 years
(Cl. D45—9)



The ornamental design for an ear ornament, as shown.

165,497
KETTLE UNIT FOR POPCORN MACHINES
Samuel M. Waas, Kansas City, Mo., assignor to Manley, Inc., Kansas City, Mo., a corporation of Missouri
Application January 15, 1951, Serial No. 13,801
Term of patent 14 years
(Cl. D81—10)



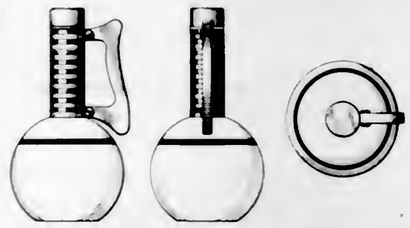
The ornamental design for a kettle unit for popcorn machines, as shown.

165,498
NARROW WOVEN FABRIC
Charles S. Wackerman, Bridgeport, Conn., assignor to The American Fabrics Company, Bridgeport, Conn.
Application March 31, 1951, Serial No. 14,682
Term of patent 7 years
(Cl. D3—32)



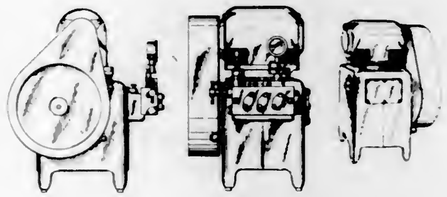
The ornamental design for a narrow woven fabric, substantially as shown.

165,499
SERVING BOTTLE
Max A. Weisbrot, Chicago, Ill.
Application June 26, 1950, Serial No. 10,756
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a serving bottle, substantially as shown.

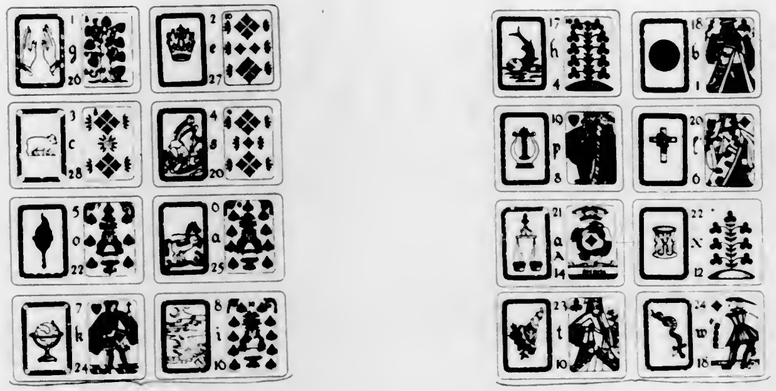
165,500
HOMOGENIZER
Reinhard A. Yohpe, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application June 1, 1950, Serial No. 10,291
Term of patent 14 years
(Cl. D23—1)



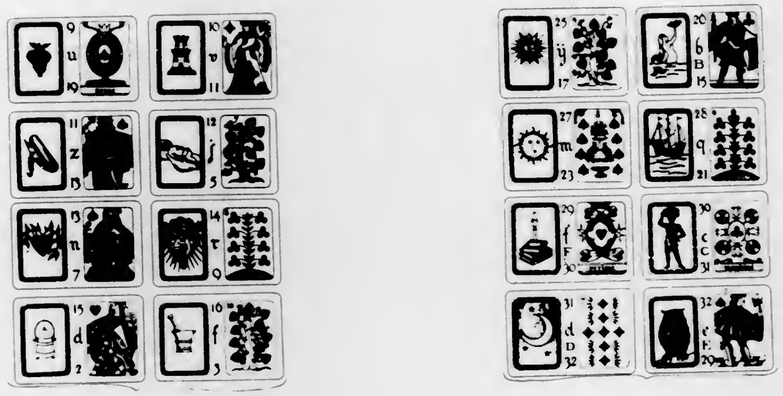
The ornamental design for a homogenizer, as shown.

165,501
DECK OF PLAYING CARDS
Evert Zeeven, New York, N. Y.
Application January 4, 1951, Serial No. 13,662
Term of patent 14 years
(Cl. D34—13)

165,501—Continued



The ornamental design for a deck of playing cards, substantially as shown and described.



December 25, 1951 Volume 653 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Alannize Enterprises, New York, N. Y. Hair cream. Serial No. 600,206, Dec. 25. Class 51.

Alco Oil and Chemical Corp., Philadelphia, Pa. Aqueous dispersions of chemicals. Serial No. 596,893, Dec. 25. Class 6.

Alco Oil and Chemical Corp., Philadelphia, Pa. Chemicals. Serial No. 613,891, Dec. 25. Class 6.

Allied Chemical & Dye Corporation, New York, N. Y. Detergent. Serial No. 599,687, Dec. 25. Class 52.

Allied Chemical & Dye Corporation, New York, N. Y. Fertilizers and ingredients of fertilizers. Serial No. 602,874, Dec. 25. Class 10.

Allied Raw Materials Company, Inc., New York, N. Y. Vegetable waxes. Serial No. 544,023, Dec. 25. Class 6.

Alrose Chemical Company, Cranston, R. I. Emulsifying agents and surface active agents. Serial No. 605,393, Dec. 25. Class 6.

Alrose Chemical Company, Cranston, R. I. Surface active agents. Serial No. 605,397, Dec. 25. Class 6.

American Stores Company, Philadelphia, Pa. Floor wax. Serial No. 588,542, Dec. 25. Class 4.

American Stores Company, Philadelphia, Pa. Window cleaner, glass wax, French dry cleaner, etc. Serial No. 588,623, Dec. 25. Class 52.

American Stores Company, Philadelphia, Pa. Carcass beef; carcass veal; smoked beef loaf; etc. Serial No. 603,219, Dec. 25. Class 46.

Ames Supply Company, Chicago, Ill. Platens. Serial No. 613,963, Dec. 25. Class 23.

Anderson, David & John, Limited, Bridgeton, Glasgow, Scotland. Cloth in the piece. Serial No. 607,535, Dec. 25. Class 42.

Appell, D. S., Columbus, Ohio. Cleaning and polishing preparation. Serial No. 589,237, Dec. 25. Class 4.

Arkwright Incorporated: *See*—
Arkwright Merchandising Corporation.

Arkwright Merchandising Corporation, assignor to Arkwright Incorporated, New York, N. Y. Base metal shoe racks, base metal tie and clothes hangers, etc. Serial No. 571,778, Dec. 25. Class 13.

Armour and Company, doing business under the trade style Armour Leather Company, Chicago, Ill., and Sheboygan, Wis. Upper leather. Serial No. 584,605, Dec. 25. Class 1.

Armour Leather Company: *See*—
Armour and Company.

Armstrong Cork Company, Lancaster, Pa. Linoleum. Serial Nos. 613,798-9, Dec. 25. Class 20.

Atkinson, J. & E., Limited, London, England. Perfumed soap. Serial No. 593,156, Dec. 25. Class 52.

Atlas Supply Company, Newark, N. J. Cellulose sponges. Serial No. 612,841, Dec. 25. Class 1.

B. & T. Metals Company, The, Columbus, Ohio. Metal trims. Serial No. 581,930, Dec. 25. Class 12.

Bacmo Postman Corporation, New York, N. Y. Ladies' gloves. Serial No. 613,664, Dec. 25. Class 39.

Baker Castor Oil Company, The, Jersey City, N. J. Ricinoleic acid derivatives and blends. Serial No. 613,359, Dec. 25. Class 6.

Baker Imperial Co., Inc., New York, N. Y. Articles of china and hand painted china. Serial No. 590,793, Dec. 25. Class 30.

Barbour Company, The, St. Louis, Mo. Lacquer. Serial No. 600,320, Dec. 25. Class 16.

Barfair Laboratories, Inc., City Island, N. Y. Liquid rot and mildew proofer. Serial No. 613,666, Dec. 25. Class 6.

Bayer, Herbert, Aspen, Colo. Table flatware, hollow ware and other articles of silverware and jewelry. Serial No. 554,004, Dec. 25. Class 28.

Beautyaire, Inc., New York, N. Y. Brassières. Serial No. 593,777, Dec. 25. Class 39.

Beltx Corporation, St. Louis, Mo. Sanitary belts. Serial No. 588,475, Dec. 25. Class 44.

Berkshire Knitting Mills, Reading and Wyomissing, Pa. Women's full fashioned hosiery. Serial No. 584,850, Dec. 25. Class 39.

Bernese Alps Milk Co.: *See*—
Milchgesellschaft, Berneralpen.

Bilhuber, E., Inc., Orange, N. J. Chemical compound. Serial No. 596,709, Dec. 25. Class 18.

Binkley Coal Company, Chicago, Ill. Coal. Serial No. 563,599, Dec. 25. Class 1.

Bird & Son, inc., East Walpole, Mass. Ornamental-stone appearing insulated siding. Serial No. 611,125, Dec. 25. Class 12.

Blemarz Laboratories: *See*—
Starck, William J.

Blocksom & Company, Michigan City, Ind. Loose curled hair, woven or interlaced curled hair, and rubberized curled hair. Serial No. 582,016, Dec. 25. Class 1.

Blue Ridge Glass Corporation, Kingsport, Tenn. Flat glass. Serial No. 611,073, Dec. 25. Class 33.

Blue Ridge Glass Corporation, Kingsport, Tenn. Flat glass. Serial No. 611,075, Dec. 25. Class 33.

Boyme and Sherman, Dayton, Ohio. Weekly periodical publication. Serial No. 611,597, Dec. 25. Class 38.

Brand & Oppenheimer, Incorporated, New York, N. Y. Cotton piece goods. Serial No. 581,315, Dec. 25. Class 42.

Breon, George A., & Company, New York, N. Y. Estrogenic substance preparation. Serial No. 613,212, Dec. 25. Class 18.

Bristol Laboratories Inc., Syracuse, N. Y. Animal feed supplement. Serial No. 613,704, Dec. 25. Class 18.

Brooks, Irving, doing business as Brooks Uniform Co., Dallas, Tex. Uniforms. Serial No. 610,822, Dec. 25. Class 39.

Brooks Uniform Co.: *See*—
Brooks, Irving.

Brown, R. J., Company, The, St. Louis, Mo. Naphtha. Serial No. 576,900, Dec. 25. Class 6.

Bryant, Carlos M., doing business under the firm name and style of Sweetall Manufacturing Company, Williamstown, N. Y. Mixing ingredient to be mixed in livestock feed; etc. Serial No. 609,164, Dec. 25. Class 46.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. Serial No. 616,410, Dec. 25. Class 42.

California Packing Corporation, San Francisco, Calif. Dried fruit. Serial No. 595,533, Dec. 25. Class 46.

Capitol Undergarment Co., Inc., New York, N. Y. Children's panties. Serial No. 609,072, Dec. 25. Class 39.

Cardinal Hat Company, St. Louis, Mo. Men's and boys' sport hats, outer shirts, jackets, etc. Serial No. 569,048, Dec. 25. Class 39.

Carey-McFall Company, Philadelphia, Pa. Venetian blinds. Serial No. 602,492, Dec. 25. Class 32.

Caris-Art Inc.: *See*—
Sirac, Inc.

Central Ohio Paper Company, The, Columbus, Ohio. Printing paper; writing paper, box and book cover paper, etc. Serial No. 612,442, Dec. 25. Class 37.

Charlestan Manufacturing Company, The, Independence, Kans. Parlor game. Serial No. 593,785, Dec. 25. Class 22.

Chesterfield Watch Corp., New York, N. Y. Watches, watch cases, and parts thereof. Serial No. 581,866, Dec. 25. Class 27.

Chicago Cardboard Company, Chicago, Ill. Wren houses. Serial No. 612,059, Dec. 25. Class 50.

Chunk-E-Nut Products Co.: *See*—
Chunk-E-Nut Products Company, Inc.

Chunk-E-Nut Products Company, Inc., doing business as Chunk-E-Nut Products Co., Philadelphia, Pa. Raw popping corn. Serial No. 580,770, Dec. 25. Class 46.

Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Disinfectants, insecticides, fungicides, etc. Serial No. 600,816, Dec. 25. Class 6.

Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Disinfectants, insecticides, fungicides, etc. Serial No. 600,818, Dec. 25. Class 6.

Clairol Incorporated, Stamford, Conn. Hair tinting and coloring preparations. Serial No. 595,761, Dec. 25. Class 51.

Coating Materials Laboratories, Inc., Belleville, N. J. Cement preparation. Serial No. 594,198, Dec. 25. Class 5.

Cohen, Joseph H., & Sons, Inc., New York, N. Y. Men's clothing. Serial No. 611,260, Dec. 25. Class 39.

Cohen, Jules S., New York, N. Y. Hats, suits, overcoats, etc. Serial No. 602,890, Dec. 25. Class 39.

Collins, Vern, Salem, Oreg. Lead and brass stubs. Serial No. 604,567, Dec. 25. Class 13.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Laminated metallic backings for artificial teeth. Serial No. 602,371, Dec. 25. Class 44.

Commercial Solvents Corporation, New York, N. Y. Compositions comprising the antibiotics neomycin and bacitracin. Serial No. 602,496, Dec. 25. Class 18.

Con-Cor Paint Company, Kansas City, Mo. Clear, water repellent masonry coating composition. Serial No. 611,941, Dec. 25. Class 16.

Connecticut Chemical Research Corp., Bridgeport, Conn. Self-polishing wax. Serial No. 600,571, Dec. 25. Class 4.

Consolidated Cosmetics, Chicago, Ill. Cleansing cream, night cream, hand cream, etc. Serial No. 574,134, Dec. 25. Class 51.

Coppock, E. S. C., San Antonio, Tex. Publication. Serial No. 612,387, Dec. 25. Class 38.

Covington, James O., Nashville, Tenn. Prophylactics. Serial No. 601,714, Dec. 25. Class 44.

Cramer Chemical Co., The, Gardner, Kans. Theatrical grease paint. Serial No. 589,569, Dec. 25. Class 51.

Crown Overall Manufacturing Company, The, Cincinnati, Ohio. Wearing apparel. Serial No. 592,360, Dec. 25. Class 39.
Currick & Leiken Co., Inc., New York, N. Y. Sport jackets and topcoats. Serial No. 589,935, Dec. 25. Class 39.
Darling & Company, Chicago, Ill. Fatty acids. Serial No. 613,400, Dec. 25. Class 6.
Davidson, John B., Woolen Mills, Inc., Eaton Rapids, Mich. Slippers. Serial No. 596,656, Dec. 25. Class 39.
Davies, Rose & Company, Limited, Boston, Mass. Pediatric ointments. Serial No. 611,564, Dec. 25. Class 18.
Davis Manufacturing Company, Philadelphia, Pa. Boys' suits, pants, and jackets. Serial No. 610,202, Dec. 25. Class 39.
Dentronics, Inc., Seattle, Wash. Saliva ejector, anti-splash dental guard. Serial No. 605,978, Dec. 25. Class 44.
Desitin Chemical Co., Providence, R. I. Medical compound. Serial No. 613,292, Dec. 25. Class 18.
Dick, A. B., Company, Niles, Ill. Cements. Serial No. 602,376, Dec. 25. Class 5.
Diehl Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y. Electric motors, electric generators, electric fans, etc. Serial No. 597,327, Dec. 25. Class 21.
Dodge & Olcott, Inc., New York, N. Y. Essential oils and aromatic chemicals. Serial No. 613,055, Dec. 25. Class 18.
Dormin, Inc., New York, N. Y. Medicinal preparations. Serial No. 612,994, Dec. 25. Class 18.
Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 605,784, Dec. 25. Class 12.
Drach, Abraham, Outremont, Montreal, Canada. Cooked and smoked meats. Serial No. 592,422, Dec. 25. Class 46.
Dresser Industries, Inc., Dallas, Tex. Packings and gaskets. Serial No. 612,314, Dec. 25. Class 35.
Duffy, M. B., Company, The: *See*—
Duffy, Martin B.
Duffy, Martin B., doing business as The M. B. Duffy Company, Chicago, Ill. Pore sealers. Serial No. 576,528, Dec. 25. Class 16.
Duncan, Thomas P., Jr., doing business as Silhouette, Newport News, Va. Vases, bowls, and goblets. Serial No. 602,027, Dec. 25. Class 13.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Single ply polytetrafluoroethylene coated or impregnated glass fabrics and laminates thereof. Serial No. 613,364, Dec. 25. Class 1.
Dur-O-Lite Pencil Co., Melrose Park, Ill. Mechanical pencils and leads. Serial No. 566,864, Dec. 25. Class 37.
Duti-Duds, Inc., Lynchburg, Va. Uniforms for nurses, technicians, etc. Serial No. 608,413, Dec. 25. Class 39.
Eagle Clothes, Inc., New York, N. Y. Men's clothing. Serial No. 611,777, Dec. 25. Class 39.
Eagle Pencil Company, New York, N. Y. Wood encased lead pencils. Serial No. 551,249, Dec. 25. Class 37.
Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Organic chemicals. Serial No. 610,206, Dec. 25. Class 6.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Colored pencils. Serial No. 612,391, Dec. 25. Class 37.
Eisenberg, J., Inc., New York, N. Y. Reprocessed wool, rayon, silk, cotton, etc. Serial No. 610,617, Dec. 25. Class 1.
Electric Steel Foundry, Portland, Oreg. Non-electric cable fittings. Serial No. 612,317, Dec. 25. Class 13.
Empire Sporting Goods Manufacturing Co. Inc., New York, N. Y. Football pants, football and baseball stirrup-type hose. Serial No. 608,926, Dec. 25. Class 39.
Everlast Metal Products Corp., New York, N. Y. Base metal sugar bowls, cream pitchers, water pitchers, etc. Serial No. 595,716, Dec. 25. Class 13.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement game apparatus. Serial No. 601,892, Dec. 25. Class 22.
F & F Laboratories, Inc., Chicago, Ill. Topping to be applied to ice cream. Serial No. 612,685, Dec. 25. Class 46.
Farrington Texol Corporation, Walpole, Mass. Fabrics coated or impregnated for resistance to water and/or mold. Serial No. 609,543, Dec. 25. Class 50.
Fernclift Feed & Grain Co., Louisville, Ky. Feeds. Serial No. 584,487, Dec. 25. Class 46.
Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Lenses for spectacles. Serial No. 603,619, Dec. 25. Class 26.
Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Lenses for spectacles. Serial No. 603,621, Dec. 25. Class 26.
Fine Arts Sterling Silver Company, Philadelphia, Pa. Silver flatware. Serial No. 552,963, Dec. 25. Class 28.
Flamo Gas Company, Billings, Mont. Butane and propane gas. Serial No. 613,166, Dec. 25. Class 6.
Fleet-Wing Corporation, Cleveland, Ohio. Motor lubricating oil. Serial No. 613,507, Dec. 25. Class 15.
Fletcher, H. E., Co., West Chelmsford, Mass. Potassium-bearing soil amender. Serial No. 607,077, Dec. 25. Class 10.
Flex-O-Glass, Inc., Chicago, Ill. Netting and screening materials. Serial No. 615,377, Dec. 25. Class 13.
Flotill Products, Incorporated, Stockton, Calif. Canned fruits. Serial No. 536,884, Dec. 25. Class 46.
Food Fair Stores, Inc., Philadelphia, Pa. Canned fruits and vegetables; canned orange, grapefruit, and tomato juices; seafood; etc. Serial No. 585,330, Dec. 25. Class 46.
Founders Furniture Company, Pleasant Garden, N. C. Cocktail tables, coffee tables, end tables, etc. Serial No. 601,898, Dec. 25. Class 32.
Foundry Supplies Manufacturing Co., Chicago, Ill. Automatically-operated sifters and strainers. Serial No. 603,672, Dec. 25. Class 23.
Foundry Supplies Manufacturing Co., Chicago, Ill. Automatically operated vibrators. Serial No. 603,673, Dec. 25. Class 23.
Foy Paint Company, Inc., The, Cincinnati, Ohio. Ready mixed exterior and interior paints, paint enamels, varnishes, etc. Serial No. 595,539, Dec. 25. Class 16.
Fungitrol Chemicals Incorporated, Hillside, N. J. Economic poisons composition. Serial No. 611,418, Dec. 25. Class 6.
Gagnon, Cecile, Company, White Plains, N. Y. Perfume and cologne. Serial No. 610,619, Dec. 25. Class 51.
Gallia Laboratories, Inc., New York, N. Y. Ointment or paste. Serial No. 613,632, Dec. 25. Class 18.
Gaybird Limited, Prestwood, Great Missenden, England. Eggs, game and poultry. Serial No. 605,736, Dec. 25. Class 1.
General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Soybean oil meal, oil meal. Serial No. 596,021, Dec. 25. Class 1.
Gilman, J. P., Granite Company, Kansas City, Kans. Monuments, markers and memorials. Serial No. 560,330, Dec. 25. Class 50.
Gladding, McBean & Co., Los Angeles, Calif. Ceramin wall tile. Serial No. 591,568, Dec. 25. Class 12.
Glidden Company, The, Cleveland, Ohio. Marine, house, roof, etc., paints. Serial No. 579,275, Dec. 25. Class 16.
Glidden Company, The, Cleveland, Ohio. Marine, house, roof, etc., paints. Serial No. 579,277, Dec. 25. Class 16.
Globe Roofing Products Co., Inc., Whiting, Ind. Mineral-surfaced asphalt saturated felt shingles. Serial No. 613,064, Dec. 25. Class 12.
Gloverdale Knitwear Corporation, Brooklyn, N. Y. Children's sweaters, jackets, vests, etc. Serial No. 607,619, Dec. 25. Class 39.
Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. Serial No. 528,920, Dec. 25. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Material composed of an elastomer and a resin in the form of sheets or slabs. Serial No. 610,964, Dec. 25. Class 1.
Grace-Lee Products Inc., Minneapolis, Minn. Synthetic liquid detergent. Serial No. 600,667, Dec. 25. Class 52.
Grace-Lee Products Inc., Minneapolis, Minn. Synthetic powdered detergent. Serial No. 600,670, Dec. 25. Class 52.
Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Women's caps, jackets, sweaters, etc. Serial No. 607,991, Dec. 25. Class 39.
Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Men's caps, jackets, sweaters, etc. Serial No. 607,994, Dec. 25. Class 39.
Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Boys' and girls' caps, jackets, sweaters, etc. Serial No. 607,998, Dec. 25. Class 39.
Grandma Moses Properties, Inc., New York, N. Y. Fabrics-in-the-piece. Serial No. 603,923, Dec. 25. Class 42.
Grant Company: *See*—
Whiteside, Grant T.
Grate, Lorene G., doing business as Lorene Grigsby, Miami, Fla. Lip rouge compositions. Serial No. 607,857, Dec. 25. Class 51.
Great Lakes Pharmacal Corporation, Cleveland, Ohio. Nutritional supplements. Serial No. 613,067, Dec. 25. Class 18.
Grigsby, Lorene: *See*—
Grate, Lorene G.
Grizzly Manufacturing Company, Los Angeles and Bell, Calif., and Paulding, Ohio. Brake lining. Serial No. 601,900, Dec. 25. Class 35.
Groov-Pin Corporation, Union City, N. J. Tapered grooved metal pins. Serial No. 536,689, Dec. 25. Class 23.
Grove Laboratories, Inc., The, St. Louis, Mo. Shampoo. Serial No. 603,383, Dec. 25. Class 52.
Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butchers' paper. Serial No. 603,232, Dec. 25. Class 37.
Gyrodyne Company of America, Inc., New York, N. Y. Aircraft. Serial No. 610,621, Dec. 25. Class 19.
Hall, John M., New York, N. Y. Ear cleaning wire pick. Serial No. 595,837, Dec. 25. Class 44.
Happé Products Limited, London, England. Imitation costume jewelry. Serial No. 609,972, Dec. 25. Class 28.
Happé Products Limited, London, England. Buttons, hat ornaments, cuff-links, etc. Serial No. 609,973, Dec. 25. Class 40.
Harr, Jesse, Company, Orange, N. J. Beverage dispensers. Serial No. 568,791, Dec. 25. Class 13.

Harry and David, Medford, Oreg. Plant bulbs. Serial No. 611,646, Dec. 25. Class 1.
Hat Corporation of America, Norwalk, Conn. Hats. Serial No. 606,472, Dec. 25. Class 39.
Hearst Corporation, The, New York, N. Y. Series of cartoons or comic strips. Serial No. 613,450, Dec. 25. Class 38.
Heiburn, Willard, Inc., Peabody, Mass. Leather. Serial No. 611,782, Dec. 25. Class 1.
Heli-Coil Corporation, Long Island City, N. Y. Screw connections and parts of screw connections. Serial No. 608,990, Dec. 25. Class 13.
Hercules Powder Company, Wilmington, Del. Colloidal wax and/or colloidal wax-resin sizing and finishing material. Serial No. 613,129, Dec. 25. Class 6.
High Standard Manufacturing Corporation, The, Hamden, Conn. Pistols and parts thereof. Serial No. 610,788, Dec. 25. Class 9.
Hockaday, Inc., Chicago, Ill. Quick drying enamels, house paint and flat paint. Serial No. 608,003, Dec. 25. Class 16.
Holland American Seed Company: *See*—
Luikens, Wilbur.
Honig, Jack, doing business under the fictitious name of Honig Watch Company, Los Angeles, Calif. Watches. Serial No. 612,074, Dec. 25. Class 27.
Honig Watch Company: *See*—
Honig, Jack.
Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Clay. Serial No. 612,693, Dec. 25. Class 1.
Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Clay. Serial No. 613,914, Dec. 25. Class 1.
Hulbert Manufacturing Company: *See*—
Smash-Proof Company, The.
Hylo Company, Inc., Houston, Tex. Washing powder. Serial No. 594,716, Dec. 25. Class 52.
Ideal Toy Corporation, Hollis, N. Y. Dolls. Serial No. 617,499, Dec. 25. Class 22.
Illinois Tool Works, Chicago, Ill. Lock nuts. Serial No. 605,421, Dec. 25. Class 13.
Independent Growers Co.: *See*—
Russell, E. J.
Independent Lock Company, Fitchburg, Mass. Exit bolts, panic proof exit locks and panic exit devices. Serial No. 606,222, Dec. 25. Class 25.
Invalift, Inc., Seattle, Wash. Mechanical equipment. Serial No. 594,645, Dec. 25. Class 44.
Iso-Sol Company, Inc., The, Brooklyn, N. Y. Ophthalmic solution. Serial No. 612,916, Dec. 25. Class 18.
Jacobson, F., & Sons, Inc., New York, N. Y. Pajamas. Serial No. 608,357, Dec. 25. Class 39.
Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. Serial No. 608,039, Dec. 25. Class 28.
Johns-Manville Corporation, New York, N. Y. Woven brake linings and clutch facings; molded brake linings and clutch facings; etc. Serial No. 564,949, Dec. 25. Class 35.
Juillerat Freres S. A., Berne, Switzerland. Watches and watch movements. Serial No. 583,097, Dec. 25. Class 27.
Julliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. Serial No. 616,487, Dec. 25. Class 42.
Julliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. Serial No. 616,496, Dec. 25. Class 42.
Julliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. Serial No. 616,498, Dec. 25. Class 42.
Julliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. Serial No. 616,500, Dec. 25. Class 42.
K & G Manufacturing Co., Culver City, Calif. Metal furniture. Serial No. 600,287, Dec. 25. Class 32.
Kaumagraph Company, Wilmington, Del. Dry transfers. Serial No. 611,609, Dec. 25. Class 38.
Kedrin Pharmacals, Inc., New York, N. Y. General analgesic. Serial No. 613,075, Dec. 25. Class 18.
Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. Serial No. 536,400, Dec. 25. Class 46.
Kewaskum Utensil Company, Kewaskum, Wis., now by change of name Regal Ware, Inc. Aluminum sauce pans and cooking pots and fryers. Serial No. 614,255, Dec. 25. Class 13.
Key Company, East St. Louis, Ill. Tube connectors. Serial No. 613,464, Dec. 25. Class 13.
Kilray Blind Company, Atlanta, Ga. Window cornices. Serial No. 601,107, Dec. 25. Class 32.
King Maljan & Company, El Centro, Calif. Fresh vegetables. Serial No. 609,134, Dec. 25. Class 46.
Kingston Manufacturing Company, San Antonio, Tex. Children's clothing. Serial No. 608,935, Dec. 25. Class 39.
Klik Enterprises, Inc., New York, N. Y. Chain and clip ornamented with precious metal. Serial No. 605,164, Dec. 25. Class 28.
Knoll Associates, Inc., New York, N. Y. Curtain and upholstery fabrics. Serial No. 594,384, Dec. 25. Class 42.
Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Aeroplane propellers. Serial No. 565,635, Dec. 25. Class 19.
Kuhls, H. B. Fred, Brooklyn, N. Y. Marine paints. Serial No. 591,786, Dec. 25. Class 16.
Laboratoires Goupil-Savenor, Cachan, France. Toothpaste. Serial No. 576,646, Dec. 25. Class 51.
Laclede-Christy Company, Chicago, Ill. Castable refractory. Serial No. 608,362, Dec. 25. Class 12.
La Maur, Incorporated, Minneapolis, Minn. Hair shampoo. Serial No. 603,691, Dec. 25. Class 52.
Langrock, David T., New Haven, Conn. Men's clothing. Serial No. 548,596, Dec. 25. Class 39.
Lapham, Sidney D., Martinez, Calif. Hand trucks. Serial No. 601,152, Dec. 25. Class 19.
Ledford, Cyrus F., doing business as Sina-Spray Company, Bristol, Tenn. Medicinal spray. Serial No. 601,926, Dec. 25. Class 18.
Legge, Walter G., Company, Inc., New York, N. Y. Slip-resistant floor polish. Serial No. 608,277, Dec. 25. Class 4.
Leitz, E., Inc., New York, N. Y. Cameras and camera lenses. Serial No. 619,887, Dec. 25. Class 26.
Lelong, Lucien, Inc., assignor to Allen Marin, Chicago, Ill. Perfumes. Serial No. 597,767, Dec. 25. Class 51.
Lenel Co.: *See*—
Rothchild, Frances.
Les Frigoriferes du Littoral, Oostende, Belgium. Frozen (quick-deep frozen) fish and canned fish. Serial No. 591,742, Dec. 25. Class 46.
Lorimer Paint Works, Inc., Brooklyn, N. Y. Putties. Serial No. 600,295, Dec. 25. Class 12.
Lowenstein, M., & Sons, Inc., New York, N. Y. Plastic film and plastic coated fabrics. Serial No. 586,039, Dec. 25. Class 42.
Luikens, Wilbur, doing business as Holland American Seed Company, Grand Rapids, Mich. Mixture of bird seed. Serial No. 576,922, Dec. 25. Class 46.
Luria, L., & Son, Inc., New York, N. Y. Silver plated hollow ware, sterling hollow ware and cutlery. Serial No. 611,230, Dec. 25. Class 28.
M & R Dietetic Laboratories, Inc., Columbus, Ohio. Liquid milk food product. Serial No. 610,326, Dec. 25. Class 46.
Mages Sport Stores, Inc., Chicago, Ill. Men's, women's and children's sport clothing. Serial No. 580,022, Dec. 25. Class 39.
Maltine Company, The, Morris Plains, N. J. Medicinal preparation. Serial No. 597,689, Dec. 25. Class 18.
Maltine Company, The, Morris Plains, N. J. Medicinal preparation. Serial No. 611,289, Dec. 25. Class 18.
Mangels, Arthur C., Industries, Philadelphia, Pa. Varnish-type wood sealers. Serial No. 602,513, Dec. 25. Class 16.
Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. Serial No. 611,482, Dec. 25. Class 39.
Manhattan Soap Company, Inc., New York, N. Y. Toilet soap. Serial No. 605,598, Dec. 25. Class 52.
Marin, Allen: *See*—
Lelong, Lucien, Inc.
Masland, C. H., & Sons, Carlisle, Pa. Textile carpets and rugs. Serial No. 616,798, Dec. 25. Class 42.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 596,596, Dec. 25. Class 18.
Master Rule Manufacturing Co., Inc., Middletown, N. Y. Steel measuring tapes. Serial No. 611,578, Dec. 25. Class 26.
McMath-Axlirod Corporation, Dallas, Tex. Porcelain coated metal sheets and plates. Serial No. 600,297, Dec. 25. Class 12.
Mega Macaroni Company, Harrisburg, Pa. Alimentary pastes. Serial No. 605,865, Dec. 25. Class 46.
Meypro Ltd., Weinfelden, Switzerland. Chemical auxiliary products. Serial No. 603,637, Dec. 25. Class 6.
Mica Insulator Company, Schenectady, N. Y. Electrical insulating materials and supplies and electrical insulators. Serial Nos. 603,535–6, Dec. 25. Class 21.
Milchgesellschaft, Berneralpen, doing business as Societe Laitiere des Alpes Bernoises and as Bernese Alps Milk Co., Stalden, Switzerland. Sterilized milk, concentrated milk, condensed milk, etc. Serial No. 557,427, Dec. 25. Class 46.
Miller Dial and Name Plate Company, Los Angeles, Calif. Name plates. Serial No. 606,926, Dec. 25. Class 50.
Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Medicinal preparation. Serial No. 611,708, Dec. 25. Class 18.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. Serial Nos. 586,869–70, Dec. 25. Class 5.
Miron Mills, Inc., Clinton, Mass. Wool fabrics. Serial No. 609,876, Dec. 25. Class 42.
Mitts & Merrill, Saginaw, Mich. Disintegrating machines, paper cutting machines, etc. Serial No. 603,493, Dec. 25. Class 23.
Mock Seed Company, Pittsburgh, Pa. Lawn fertilizer. Serial No. 614,563, Dec. 25. Class 10.
Monsanto Chemical Company, St. Louis, Mo. Flavors and chemical adjuvants. Serial No. 554,910, Dec. 25. Class 46.
Moore, John Hudson, Inc., New York, N. Y. Solidified deodorant. Serial No. 599,644, Dec. 25. Class 51.
Moran, R. J., Co., Boston, Mass. Medicinal preparation. Serial No. 611,823, Dec. 25. Class 18.
Morton, Francis, (Spring Floors) Ltd., Middlesex, England. Spring floors. Serial No. 580,852, Dec. 25. Class 12.
Muench Laboratories, The, St. Louis, Mo. Hand cleaner. Serial No. 588,836, Dec. 25. Class 52.

Mutual Broadcasting System, Inc., New York, N. Y. Radio broadcasting services. Serial Nos. 612,466–7, Dec. 25. Class 104.
National Automotive Parts Association, Detroit, Mich. Automobile coatings. Serial No. 574,451, Dec. 25. Class 16.
Natira Sales Company, Allentown, Pa. Men's, women's and children's underwear and knitted polo and T-shirts. Serial No. 566,093, Dec. 25. Class 39.
Nestle Company, Inc., The, New York, N. Y., by change of name from Nestle's Milk Products, Inc. Preparation to relieve gastro-intestinal disorders. Serial No. 551,038, Dec. 25. Class 18.
Nestle's Milk Products, Inc.: *See*—
Nestle Company, Inc., The.
New England Carnation Growers Association, Inc., South Sudbury, Mass. Carnations. Serial No. 610,377, Dec. 25. Class 1.
New York Telecoin Corporation, New York, N. Y. Coin meters. Serial No. 616,182, Dec. 25. Class 26.
Niagara Alkali Company, Niagara Falls, N. Y. Chlorine, caustic soda, caustic potash, etc. Serial No. 613,379, Dec. 25. Class 6.
Nichols Nasal Syphon, Inc., Montclair, N. J. Nasal syphons. Serial No. 613,016, Dec. 25. Class 44.
Nichols Wire & Aluminum Co., Davenport, Iowa. Nails. Serial No. 613,520, Dec. 25. Class 13.
Nocon Products Corporation, New York, N. Y. Washing compound. Serial No. 600,306, Dec. 25. Class 52.
Norcross, Inc., New York, N. Y. Gift wrapping paper. Serial No. 612,344, Dec. 25. Class 37.
Norgine Laboratories, Inc., New York, N. Y. Antispasmodic or spasmolytic preparation. Serial No. 598,494, Dec. 25. Class 18.
Norwood Laboratories: *See*—
Sewell, John A.
O'Connell Brothers, Inc., Overland and St. Louis, Mo. Vitamin containing iron tablets. Serial No. 611,302, Dec. 25. Class 18.
Ohio Leather and Horse Goods Company, The, Cleveland, Ohio. Horse boots, horse saddles, horse blankets, etc. Serial No. 606,317, Dec. 25. Class 3.
Oklahoma Clothing Manufacturers, Oklahoma City, Okla. Boys' clothing. Serial No. 609,044, Dec. 25. Class 39.
Oronite Chemical Company Wilmington, Del., and San Francisco, Calif. Dibutyl phthalate; and metal salts of sulfonic acids, etc. Serial Nos. 575,778–80, Dec. 25. Class 6.
Palnut Company, The, Irvington, N. J. Metal fastening devices. Serial No. 614,510, Dec. 25. Class 13.
Pams Products, Detroit, Mich. Shampoo goggles. Serial No. 603,698, Dec. 25. Class 26.
Park Lane Jewelry Company, Providence, R. I. Ornamental pins, brooches, lockets, etc. Serial No. 600,784, Dec. 25. Class 28.
Petrolane Gas Company, Inc., New Orleans, La. Liquified gas. Serial No. 607,261, Dec. 25. Class 6.
Pickfair Associates, Fullerton, Calif. Fresh oranges. Serial No. 615,286, Dec. 25. Class 46.
Porter, H. K., Company, Inc., Pittsburgh, Pa. Hydraulic valve operating units. Serial No. 573,893, Dec. 25 Class 23.
Porter, Richard H., doing business as The United Safety Service, Chicago, Ill. Periodical. Serial No. 610,713, Dec. 25. Class 38.
Powers, John Robert, Products Co., Inc., Wilmington, Del., and New York, N. Y. Body lotion. Serial No. 600,617, Dec. 25. Class 51.
Pullman-Standard Car Manufacturing Company, Chicago, Ill. Check chain hooks, trapdoor latches, vestibule door latches, etc. Serial No. 605,267, Dec. 25. Class 13.
Quaker Oats Company, The, Chicago, Ill. Table and kitchen glassware. Serial No. 579,057, Dec. 25. Class 33.
Quaker Silver Co., Inc., North Attleboro, Mass. Sterling silver and silver-plated hollow ware. Serial No. 603,746, Dec. 25. Class 28.
Quinn, Edward M., doing business under the name and style of T & M Laboratories, San Francisco, Calif. Ointment. Serial No. 598,037, Dec. 25. Class 18.
Quinn, Jay H., doing business as Reading Testing Laboratories, Reading, Pa. Solution for cleaning needles. Serial No. 609,417, Dec. 25. Class 52.
Rand, William, Inc., New York, N. Y. Synthetic and simulated pearls. Serial No. 607,682, Dec. 25. Class 28.
Rapidol Distributing Corporation, New Hyde Park, N. Y. Shampoo. Serial No. 600,445, Dec. 25. Class 52.
Raybestos-Manhattan, Inc., Passaic, N. J. Abrasive wheels. Serial No. 569,640, Dec. 25. Class 4.
Reading Testing Laboratories: *See*—
Quinn, Jay H.
Reckitt & Colman Limited, Hull, England. Pigments and colors for paints. Serial No. 602,286, Dec. 25. Class 16.
Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Wall paint. Serial No. 590,990, Dec. 25. Class 10.
Reed, Austin, Limited, London, England. Men's outer shirts and collars. Serial No. 608,676, Dec. 25. Class 39.
Reemtsma, Bernard A., Garner, Iowa. Clothes line tightener. Serial No. 605,530, Dec. 25. Class 24.
Regal Ware, Inc.: *See*—
Kewaskum Utensil Company.
Register and Tribune Company, The, Des Moines, Iowa. Newspaper and magazine feature or column. Serial No. 613,823, Dec. 25. Class 38.
Register and Tribune Company, The, Des Moines, Iowa. Cartoon section of newspapers and other publications. Serial No. 613,824, Dec. 25. Class 38.
Reliable Coal and Mining Co., Chicago, Ill. Coal. Serial Nos. 610,924–5, Dec. 25. Class 1.
Remind-A-Meter Corporation, New York, N. Y. Coin operated meters. Serial No. 605,679, Dec. 25. Class 26.
Ritter Company, Inc., Rochester, N. Y. Dental, medical and surgical appliances. Serial No. 607,519, Dec. 25. Class 44.
Robinsol-Wagner Co., Inc., New York, N. Y. Mixture of liquid lanolin alcohols. Serial No. 613,477, Dec. 25. Class 6.
Rockwell Manufacturing Company, Pittsburgh, Pa. Wood working machines, work holding attachments for grinding machines, etc. Serial No. 611,540, Dec. 25. Class 23.
Rosenthal, David B., doing business as S. & R. Surplus Sales, Terre Haute, Ind. Men's wearing apparel. Serial No. 598,680, Dec. 25. Class 39.
Rothchild, Frances, doing business under the name Lenel Co., Dallas, Tex. Cologne, perfume, sachet powder, etc. Serial No. 607,044, Dec. 25. Class 51.
Royal Manufacturing Company, Allentown, Pa. Men's union athletic textile-fabric underwear. Serial No. 552,352, Dec. 25. Class 39.
Russell, E. J., doing business as Independent Growers Co., Salinas, Calif. Fresh vegetables. Serial No. 601,378, Dec. 25. Class 46.
S. & R. Surplus Sales: *See*—
Rosenthal, David B.
Safety Car Heating and Lighting Company, Inc., The, New York, N. Y. Plumbing, steamfitting, gas fitting and air and gas valves, etc. Serial No. 615,026, Dec. 25. Class 13.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned fish. Serial No. 607,195, Dec. 25. Class 46.
San Antonio Drug Company, San Antonio, Tex. Various drugs, chemicals, and pharmaceutical preparations. Serial No. 558,597, Dec. 25. Class 51.
Sapphire Corporation: *See*—
Sapphire Hosiery Corporation.
Sapphire Hosiery Corporation, New York, N. Y., now by change of name Sapphire Corporation. Women's hosiery. Serial No. 610,637, Dec. 25. Class 39.
Schaffer-Lawrie Laboratories, Glendale, Calif. Solution of chlorophyl and iodiphenol. Serial No. 590,183, Dec. 25. Class 18.
Schering Corporation, Bloomfield, N. J. Antihistaminic compound syrup. Serial No. 611,373, Dec. 25. Class 18.
Schultz, Baujan & Co., Beardstown, Ill. Formula feeds for poultry, and cornmeal for human consumption. Serial No. 546,060, Dec. 25. Class 46.
Schwartz, Louis E., Brooklyn, N. Y. Grooved phonograph records. Serial No. 568,755, Dec. 25. Class 36.
Sebel, D., and Company Limited, Erith, Kent, England. Wheeled toy. Serial No. 568,673, Dec. 25. Class 22.
Selectile Company, Inc., West Los Angeles, Calif. Ceramic floor and wall tile. Serial No. 590,785, Dec. 25. Class 12.
Service Industries (a trust), Philadelphia, Pa. All purpose cleaner. Serial No. 592,166, Dec. 25. Class 52.
Sewell, John A., doing business as Norwood Laboratories, Chicago, Ill. Chemical preparations. Serial No. 593,294, Dec. 25. Class 6.
Sherwin-Williams Company, The, Cleveland, Ohio. Ready-mixed paints, paint enamels, undercoaters and primers. Serial No. 599,596, Dec. 25. Class 16.
Shirtcraft Company, Inc., The, New York, N. Y. Men's, boys' and ladies' jackets. Serial No. 592,225, Dec. 25. Class 39.
Siegel, Henry I., Co. Inc., New York, N. Y. Men's and boys' work clothes. Serial No. 605,536, Dec. 25. Class 39.
Silhouette: *See*—
Duncan, Thomas P., Jr.
Sina-Spray Company: *See*—
Ledford, Cyrus F.
Sirac, Inc., assignor to Caris-Art Inc., Brooklyn, N. Y. Dolls. Serial No. 597,631, Dec. 25. Class 22.
Siris, A. J., Products Corp., New York, N. Y. Wallets, utility bags and cosmetic bags. Serial No. 613,026, Dec. 25. Class 3.
Smash-Proof Company, The, also doing business as Hulbert Manufacturing Company, Ashtabula, Ohio. Dolly casters. Serial No. 603,295, Dec. 25. Class 19.
Snap-Tite, Inc., Cleveland, Ohio. Couplings. Serial No. 600,397, Dec. 25. Class 13.
Societe Laitiere des Alpes Bernoises: *See*—
Milchgesellschaft, Berneralpen.
Societe Lancôme, S. A., Paris, France. Face powder, lipstick, rouge, etc. Serial No. 577,004, Dec. 25. Class 51.

Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., The, Detroit, Mich. Stimulating and maintaining interest in the preservation and encouragement of barber shop quartet singing. Serial No. 592,168, Dec. 25. Class 100.
South Bend Lathe Works, South Bend, Ind. Antenna support towers. Serial No. 602,426, Dec. 25. Class 12.
Southern Biscuit Company, Incorporated, Richmond, Va., assignor to Weston Biscuit Company Inc. Crackers. Serial No. 552,506, Dec. 25. Class 46.
Southwest Manufacturing Company, Little Rock, Ark. Boats. Serial No. 610,300, Dec. 25. Class 19.
Spiegel, Inc., Chicago, Ill. Lounge chairs. Serial No. 613,737, Dec. 25. Class 32.
Squibb, E. R., & Sons, New York, N. Y. Antibiotic-containing antibacterial preparation. Serial No. 610,384, Dec. 25. Class 18.
Stalfort Pressure-Pak, Inc., Baltimore, Md. Aresol insecticide spray. Serial No. 614,368, Dec. 25. Class 6.
Starck, William J., doing business as Blemarz Laboratories, South Bend, Ind. Powder for treating athlete's foot, etc. Serial No. 594,295, Dec. 25. Class 18.
Stearns Manufacturing Company, Inc., Adrian, Mich. Concrete block making machines and parts thereof. Serial No. 604,603, Dec. 25. Class 23.
Steel Pharmaceutical Co. Inc., New York, N. Y. Antispasmodic sedative tablets. Serial No. 595,012, Dec. 25. Class 18.
Stephano Brothers, Philadelphia, Pa. Cigarettes. Serial No. 613,246, Dec. 25. Class 17.
Stephens, W. E., Mfg. Co., Inc., Nashville, Tenn. Dungarees. Serial No. 612,935, Dec. 25. Class 39.
Sterwin Chemicals Inc., New York, N. Y. Seasoning agent. Serial No. 612,630, Dec. 25. Class 46.
Stylon Corporation, Boston, Mass. Metal medicine cabinets. Serial No. 613,743, Dec. 25. Class 32.
Sweetall Manufacturing Company: *See*—
Bryant, Carlos M.
Synthetic & Industrial Finishes Limited, Watford, England. Chemical preparation. Serial No. 603,210, Dec. 25. Class 6.
T & M Laboratories: *See*—
Quinn, Edward M.
Teekon Chemicals, Memphis, Tenn. Preparation in tablet form for use after eating for the purpose of cleaning the teeth, etc. Serial No. 596,129, Dec. 25. Class 51.
Teen-Age Beachwear Corp., Brooklyn, N. Y. Beachwear. Serial No. 609,891, Dec. 25. Class 39.
Telefunken Forsaljningsaktiebolag, Stockholm, Sweden. Mechanically grooved phonograph records. Serial No. 597,177, Dec. 25. Class 36.
Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial No. 613,250, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial Nos. 613,254–6, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil and greases. Serial No. 613,257, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial No. 613,258, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil and grease. Serial No. 613,260, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil and greases. Serial No. 613,262, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial No. 613,263, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil and greases. Serial Nos. 613,265–6, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 613,267, Dec. 25. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil and greases. Serial No. 613,268, Dec. 25. Class 15.
Tompkins' Label Service, Philadelphia, Pa. Printed labels. Serial Nos. 608,772–3, Dec. 25. Class 38.
Traders Oil Mill Company, Forth Worth, Tex. Livestock feed. Serial No. 589,280, Dec. 25. Class 46.
Twining, R., & Company, Limited, London, England. Tea, coffee, cocoa, etc. Serial No. 558,672, Dec. 25. Class 46.
United Petroleum Corporation, Omaha, Nebr. Lubricating grease. Serial No. 542,492, Dec. 25. Class 15.
United Safety Service, The: *See*—
Porter, Richard H.
United Surplus Associates, New York, N. Y. Men's suits, trousers, jackets, etc. Serial No. 609,110, Dec. 25. Class 39.
United Truck Owners of American, Inc., Akron, Ohio. Monthly publication. Serial No. 608,442, Dec. 25. Class 38.
United States Gypsum Company, Chicago, Ill. Asphalt shingles. Serial No. 613,148, Dec. 25. Class 12.
United States Plywood Corporation, New York, N. Y. Laminated product of wood, or plywood and metal. Serial No. 588,057, Dec. 25. Class 12.
Utica Knitting Company, Utica, N. Y. Men's, women's, boys' and children's knitted and woven underwear, etc. Serial No. 583,897, Dec. 25. Class 39.
Virginia-Carolina Chemical Corporation, Richmond, Va. Machine dishwashing compound. Serial No. 610,932, Dec. 25. Class 52.
Virginia Smelting Company, West Norfolk, Va. Liquid sulfur dioxide. Serial No. 614,589, Dec. 25. Class 6.
Waldes Kohinoor, Inc., Long Island City, N. Y. Slide fasteners and parts thereof. Serial No. 598,399, Dec. 25. Class 13.
Walton, Izaak, League of America, Inc., Chicago, Ill. Grass seed. Serial No. 613,949, Dec. 25. Class 1.
Wargöns Aktiebolag, Vargon, Sweden. Chemical products. Serial No. 602,351, Dec. 25. Class 6.
Weber and Heilbroner, Inc., New York, N. Y. Men's coats, vests, pants, etc. Serial No. 610,348, Dec. 25. Class 39.
West Laboratories, Inc., Long Island City, N. Y. Chemical compositions. Serial No. 613,541, Dec. 25. Class 6.
West Laboratories, Inc., Long Island City, N. Y. Chemical compositions. Serial No. 613,545, Dec. 25. Class 6.
West Laboratories, Inc., Long Island City, N. Y. Chemical compositions. Serial No. 613,547, Dec. 25. Class 6.
Westcott & Greis, Inc., Tulsa, Okla. Installation, calibration, adjustment, etc., of measurement and control equipment. Serial No. 541,620, Dec. 25. Class 103.
Weston Biscuit Company Inc.: *See*—
Southern Biscuit Company, Incorporated.
White Laboratories, Inc., Newark, N. J. Laxative. Serial No. 613,151, Dec. 25. Class 18.
White Sea & Baltic Company P. & I. Danischewsky Ltd., London, England. Crude turpentines, rosins, pine tars, etc. Serial No. 551,838, Dec. 25. Class 1.
Whiteside, Grant T., doing business as Grant Company, Sabina, Ohio. Cosmetics and toilet preparations. Serial No. 601,293, Dec. 25. Class 51.
Williams, Walter, Candy Co., Oklahoma City, Okla. Coconut candy bar. Serial No. 563,560, Dec. 25. Class 46.
Winn and Lovett Grocery Company, Jacksonville, Fla. Salt codfish; smoked meat, etc. Serial No. 542,192, Dec. 25. Class 46.
Wood, J. B., Corporation, Los Angeles, Calif. Portable generator-type flash bulb igniter and camera synchronizer. Serial No. 597,047, Dec. 25. Class 26.
Zeca Corporation, New York, N. Y. Toe pledgets. Serial No. 612,882, Dec. 25. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Adams, George W., F. L. Jandron, A. Pittman, L. I. Gwalter, and C. B. Craig, Boston, Mass., trustees under the will of M. B. G. Eddy, deceased. Grooved phonograph records. 552,463, Dec. 25; Serial No. 584,741, published Oct. 9, 1951. Class 36.
Alianca Exportadora, Limitada, Lisbon, Portugal. Canned foods. 552,495, Dec. 25; Serial No. 597,568, published Sept. 18, 1951. Class 46.
Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Parenteral solution of amphetamine sulfate. 552,434, Dec. 25; Serial No. 569,419, published Sept. 11, 1951. Class 18.
American Chewing Products Corp., Newark, N. J. Medicated chewing gum. 552,526, Dec. 25; Serial No. 604,681, published Aug. 14, 1951. Class 18.
American Cigarette and Cigar Company: *See*—
American Tobacco Company, The.
American Jersey Cattle Club, The, Columbus, Ohio. Liquid milk. 552,457, Dec. 25; Serial No. 582,336, published Sept. 4, 1951. Class 46.
American Metal Specialties Corp., Hatboro, Pa. Dolls' beds. 552,608, Dec. 25; Serial No. 591,649. Class 22.
American Metal Specialties Corp., Hatboro, Pa. Dolls' nursing sets. 552,610, Dec. 25; Serial No. 592,293. Class 22.
American Optical Company, Southbridge, Mass. Ophthalmic frames and mountings. 552,478, Dec. 25; Serial No. 591,541, published Sept. 26, 1950. Class 26.
American Seating Company, Grand Rapids, Mich. Various types of chairs, seating and other furniture, etc. 552,531, Dec. 25; Serial No. 605,457, published Oct. 9, 1951. Class 32.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical wires and cables. 552,574–5, Dec. 25; Serial Nos. 612,106–7, published Sept. 25, 1951. Class 21.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical wires and cables. 552,576, Dec. 25; Serial No. 612,109, published Sept. 25, 1951. Class 21.

American Tobacco Company, The, to American Cigarette and Cigar Company, New York, N. Y. Cigarettes, cigars, smoking and chewing tobacco. 291,696, renewed Feb. 23, 1952. O. G. Dec. 25. Class 17.

Ames Company, Inc., Elkhart, Ind. Reagent tablet. 552,547, Dec. 25; Serial No. 607,111, published Aug. 21, 1951. Class 18.

Anchor Optical Company: *See*—
Edmund, Norman W.

Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Lipsticks. 289,494, renewed Dec. 1, 1951. O. G. Dec. 25. Class 51.

Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Rouge. 290,207, renewed Dec. 22, 1951. O. G. Dec. 25. Class 51.

Arden, Elizabeth, Sales Corporation: *See*—
Arden, Elizabeth, Inc.

Armour and Company, doing business under the trade style Armour Curled Hair Works, Chicago, Ill. Pads containing hair, used for cushions, etc. 552,448, Dec. 25; Serial No. 577,930, published Oct. 2, 1951. Class 32.

Armour and Company, Chicago, Ill. Synthetic detergent. 552,456, Dec. 25; Serial No. 581,793, published Oct. 2, 1951. Class 52.

Armour Curled Hair Works: *See*—
Armour and Company.

Artco Products Corporation, Brooklyn, N. Y. Photographic flood lamps. 552,616, Dec. 25; Serial No. 600,319. Class 26.

Asbestos Limited, Inc., Millington, N. J., now by change of name Smith Asbestos Products, Inc. Asbestos siding and shingles. 552,425, Dec. 25; Serial No. 564,920, published Sept. 11, 1951. Class 12.

Asche-Bandor Corporation: *See*—
Von Bremen, Asche, De Bruyn, Inc.

Attorney General of the United States, vested in the: *See*—
Societe Rodier.

Babyhood Industries, Inc., Worcester, Mass. Baby chairs and tables. 552,511, Dec. 25; Serial No. 601,188, published Oct. 2, 1951. Class 32.

Bachmann Bros., Inc., Philadelphia, Pa. Sunglasses and goggles. 552,565, Dec. 25; Serial No. 609,276, published Sept. 18, 1951. Class 26.

Baker Oil Company: *See*—
Chicago Heights Paint and Varnish Company.

Barmatic Products Company, Cleveland, Ohio. Drag links and tie rod ends. 552,525, Dec. 25; Serial No. 604,515, published Sept. 4, 1951. Class 19.

Bathasweet Corporation, New York, N. Y. Toilet soap. 552,431, Dec. 25; Serial No. 568,232, published Oct. 2, 1951. Class 52.

Baton Rouge Rice Mill, Inc., Baton Rouge, La. Milled rice. 552,535, Dec. 25; Serial No. 606,115, published Sept. 11, 1951. Class 46.

Bauer Alphabets Inc., New York, N. Y. Printing type. 552,579, Dec. 25; Serial No. 615,046, published Sept. 18, 1951. Class 14.

Bauer Company, The: *See*—
Buer, Joseph A.

Beck Equipment Company: *See*—
Beck, Louis, Jr.

Beck, Louis, Jr., doing business as Beck Equipment Company, Cleveland, Ohio. Electrically operated heating apparatus. 552,428, Dec. 25; Serial No. 566,206, published Sept. 25, 1951. Class 21.

Bendix Aviation Corporation, Detroit, Mich. Indicating and/or recording instruments; controlling instruments; anemographs; etc. 552,482, Dec. 25; Serial No. 593,159, published Sept. 18, 1951. Class 26.

Bennett Corporation, The, San Francisco, Calif. Flash attachment for cameras. 552,578, Dec. 25; Serial No. 614,184, published Oct. 9, 1951. Class 26.

Bennett-Ray Canning Company, Pharr, Tex. Canned vegetables. 552,534, Dec. 25; Serial No. 605,983, published Aug. 14, 1951. Class 46.

Birlec Limited: *See*—
Birmingham Electric Furnaces Ltd.

Birmingham Electric Furnaces Ltd., to Birlec Limited, Erdington, Birmingham, England. Electric industrial furnaces. 288,876, renewed Nov. 10, 1951. O. G. Dec. 25. Class 21.

Bjarne Askvold, Copenhagen, Denmark. Rouge. 552,606, Dec. 25; Serial No. 586,458. Class 51.

Blue Seal Products: *See*—
Cobb, Thomas L. E.

Blum Store, The, Philadelphia, Pa. Advising and assisting in planning of debuts and weddings. 552,580, Dec. 25; Serial No. 540,767, published Oct. 9, 1951. Class 100.

Bories Organization, Incorporated, The, New York, N. Y. Entertainment service. 552,584, Dec. 25; Serial No. 595,186, published Oct. 9, 1951. Class 107.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 552,420–1, Dec. 25; Serial Nos. 560,175–6, published July 19, 1949. Class 39.

Boujois, Inc.: *See*—
Woodworth, C. B., Sons Co., The.

Boyd, William, Beverly Hills, Calif. Juvenile furniture. 552,536, Dec. 25; Serial No. 606,129, published Oct. 2, 1951. Class 32.

Boyertown Auto Body Works, Inc., Boyertown, Pa. Automobile bodies, truck bodies, and structural parts thereof. 552,588, Dec. 25; Serial No. 515,977. Class 19.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cushions. 552,577, Dec. 25; Serial No. 612,946, published Oct. 9, 1951. Class 22.

Buer, Joseph A., doing business under the fictitious name and style of The Bauer Company, Pasadena, Calif. Electric shaver cleaning solution. 552,615, Dec. 25; Serial No. 595,120. Class 52.

Bullard, E. D., Company, San Francisco, Calif. Safety belts. 552,607, Dec. 25; Serial No. 591,279. Class 13.

Burcon Hosiery Mills, Inc., Burlington, N. C. Women's hosiery. 552,558, Dec. 25; Serial No. 608,195, published Oct. 2, 1951. Class 39.

Burns, Frederick M., New York, N. Y. Ladies' and misses' dresses, suits, jackets, etc. 524,284, Apr. 18, 1950. Canceled Nov. 16, 1951. O. G. Dec. 25. Class 39.

Burton-Dixie Corporation, Chicago, Ill. Combination bed and divan. 552,509, Dec. 25; Serial No. 600,025, published Oct. 9, 1951. Class 32.

Byrum Lithographing Co.: *See*—
Byrum, Milliken C.

Byrum, Milliken C., doing business as Byrum Lithographing Co., Columbus, Ohio. Photograph trim indicators. 552,563, Dec. 25; Serial No. 609,120, published Sept. 11, 1951. Class 26.

Cafécofe Co., The: *See*—
Saltz, Lyle A.

Cafécofe Corporation: *See*—
Saltz, Lyle A.

Cameron Surgical Specialty Company, Chicago, Ill. Clinical head lamps. 552,592, Dec. 25; Serial No. 565,313. Class 44.

Carco Products Company, Chicago, Ill. Automobile floor mats and accelerator pedal pads. 552,548, Dec. 25; Serial No. 607,115, published Sept. 11, 1951. Class 19.

Cargill, Incorporated, Minneapolis, Minn. Lawn seed. 552,613, Dec. 25; Serial No. 594,884. Class 1.

Carmi-Ainsbrooke Corporation: *See*—
Flamberg, Morton.

Carter Products, Inc., New York, N. Y. Deodorant cream. 552,620, Dec. 25; Serial No. 606,269. Class 51.

Central Chemical Corporation, Hagerstown, Md. Agricultural fungicides. 552,443, Dec. 25; Serial No. 574,409, published Oct. 9, 1951. Class 6.

Central Electronics Company: *See*—
Marcellino, Vincent J.

Chicago Heights Paint and Varnish Company, Chicago, Ill., now by change of name Baker Oil Company. Core oil. 552,602, Dec. 25; Serial No. 581,584. Class 5.

Clay-Adams Company, Inc., New York, N. Y. Microscope slides, microscope cover glasses. 552,501, Dec. 25; Serial No. 598,981, published Sept. 18, 1951. Class 26.

Clayco Foods, Inc., New York, N. Y. Canned soups and canned chow mein. 552,623, Dec. 25; Serial No. 610,672. Class 46.

Cobb, Thomas L. E., doing business as Blue Seal Products, Kennett, Mo. Preparation for cleaning and polishing hard finished surfaces. 552,471, Dec. 25; Serial No. 587,581, published Oct. 2, 1951. Class 4.

Cochran & Celli, Oakland, Calif. Trailers; truck bodies; and trailer axles. 552,555, Dec. 25; Serial No. 607,794, published Sept. 4, 1951. Class 19.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Sudsing cleaner, cleanser and detergent. 552,459, Dec. 25; Serial No. 582,675, published Oct. 2, 1951. Class 52.

Colton Razor Blade Company: *See*—
Probak Corporation.

Columbia Mills, Inc., The, Syracuse, N. Y. Wooden and laminated shade rollers. 552,562, Dec. 25; Serial No. 609,077, published Oct. 9, 1951. Class 32.

Columbia Products Co.: *See*—
Schrack, Leon C.

Commercial Solvents Corporation, New York, N. Y. Compositions comprising choline and inositol. 552,494, Dec. 25; Serial No. 597,252, published Aug. 21, 1951. Class 18.

Connor Lumber and Land Company, The, Marshfield, Wis. Hardwood flooring. 522,604, Dec. 25; Serial No. 585,315. Class 12.

Conrad, E. V., & Co.: *See*—
Conrad, Edward V., and Whallon.

Conrad, Edward V., and E. V. Whallon, doing business as E. V. Conrad & Co., East Orange, N. J. Combination baby's crib, go-cart, and carriage. 552,599, Dec. 25; Serial No. 575,197. Class 32.

Controls Manufacturing Co., Chicago, Ill. Hood ornament for automobiles. 552,560, Dec. 25; Serial No. 608,492, published Sept. 4, 1951. Class 19.

Craig, Clayton B., trustee: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.

Cremer Chemical Company, The, Gardner, Kans. Cleaning preparation. 552,597, Dec. 25; Serial No. 574,212. Class 52.

Cudahy Packing Co., The, Chicago, Ill. Soap powder. 444,620, Dec. 25; Serial No. 506,584, published Oct. 2, 1951. Class 52.

Culler Furniture Company, Williamsport, Pa. Solid core flush doors. 552,596, Dec. 25; Serial No. 573,171. Class 12.

Dache, Lilly, Inc., New York, N. Y. Women's hosiery. 552,522, Dec. 25; Serial No. 603,114, published Sept. 25, 1951. Class 39.

Danbury Rubber Company, Inc., The, Danbury, Conn. Rubber tile. 552,594, Dec. 25; Serial No. 567,189. Class 12.

Darsky, N. H., Youngstown, Ohio. Nonalcoholic, noncereal, maltless beverages. 314,439, June 26, 1934. Canceled Nov. 16, 1951. O. G. Dec 25. Class 45.

Decar, Inc., Middleton, Wis. Hard, flat plastic sheets, for covering table, counter and cabinet tops. 552,423, Dec. 25; Serial No. 563,913, published Oct. 2, 1951. Class 32.

Deepsouth Packing Company, to R. Skrmetta, doing business under the name and style of "Deepsouth Packing Company," New Orleans, La. Processed shrimp. 534,955, Dec. 19, 1950. New certificate. O. G. Dec. 25. Class 46.

De Markoff, Alexandra, Inc., to Alexandra de Markoff Sales Corporation, New York, N. Y. Cosmetics. 280,660, renewed Feb. 24, 1951. O. G. Dec. 25. Class 51.

De Markoff, Alexandra, Sales Corporation: *See*—
De Markoff, Alexandra, Inc.

Denominator Company, The, New York, N. Y. Tabulators and counters. 552,491, Dec. 25; Serial No. 596,784, published Aug. 21, 1951. Class 26.

Diamond H Bag Company, The: *See*—
Hyland, Richard C.

Donnal Company, Los Angeles, Calif. Faucets. 552,603, Dec. 25; Serial No. 582,772. Class 13.

Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplanes and parts thereof. 552,486, Dec. 25; Serial No. 595,312, published Sept. 11, 1951. Class 19.

Dupuis Produce Company, Breaux Bridge, La. Raw, whole yams. 552,475, Dec. 25; Serial No. 589,959, published Aug. 7, 1951. Class 46.

Eddy, Mary B. G., deceased: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.

Edmund, Norman W., doing business as Anchor Optical Company, Audubon, N. J. Binoculars and magnifiers. 552,553, Dec. 25; Serial No. 607,582, published Sept. 18, 1951. Class 26.

Edwards Company, Inc., Norwalk, Conn. Electric signal chimes and electric door chimes. 552,573, Dec. 25; Serial No. 611,734, published Sept. 25, 1951. Class 21.

Ellicott Paint Co., Inc., Buffalo, N. Y. Turpentine, linseed oil, linseed replacement oil, etc. 552,568, Dec. 25; Serial No. 609,480, published Oct. 9, 1951. Class 16.

Elliott Knitting Mills, Inc., Hickory, N. C. Hosiery. 552,407, Dec. 25; Serial No. 539,294, published Oct. 2, 1951. Class 39.

Enginaire, Inc., by Enginaire Ventilating, Inc., Providence, R. I. Heating, ventilating and air conditioning apparatus. 437,575, Mar. 30, 1948. Republished Dec. 25. Class 34.

Enginaire Ventilating, Inc.: *See*—
Enginaire, Inc.

Epicure Fine Foods Co.: *See*—
Vogl, Arnold.

Esso Standard Oil Company: *See*—
Hope Construction & Refining Company.
Searles, Robert M.
Stanco Incorporated.

Etiwanda Citrus Fruit Association, Etiwanda, Calif. Fresh citrus fruits. 552,439, Dec. 25; Serial No. 571,125, published Oct. 2, 1951. Class 46.

Etnyre, E. D., & Co., Oregon, Ill. Road oil distributors, embodying trucks, etc. 385,947, Mar. 25, 1941. Republished Dec. 25. Class 23.

Faris, Carter U., Winchester, Tenn. Seed corn. 552,552, Dec. 25; Serial No. 607,541, published Sept. 25, 1951. Class 1.

Flamberg, Morton, to Carmi-Ainsbrooke Corporation, New York, N. Y. Sport and dress shirts, etc. 427,158, Jan. 28, 1947. New certificate. O. G. Dec. 25. Class 39.

Flint, Eaton and Company, Decatur, Ill. Hemostatic. 552,454, Dec. 25; Serial No. 581,653, published Aug. 21, 1951. Class 18.

Flint, Eaton and Company, Decatur, Ill. Wheat germ complex for medical use. 552,455, Dec. 25; Serial No. 581,656, published Aug. 21, 1951. Class 18.

Food Fair Stores, Inc., Philadelphia, Pa. Fresh potatoes. 552,427, Dec. 25; Serial No. 565,328, published Sept. 18, 1951. Class 46.

Foote Mineral Company, Philadelphia, Pa. Metals and alloys. 552,520, Dec. 25; Serial No. 602,835, published Oct. 2, 1951. Class 14.

Foster Leader and Tackle Co., assignor to Strike-Master, Inc., Minneapolis, Minn. Fishing tackle. 444,619, Dec. 25; Serial No. 506,219, published Sept. 4, 1951. Class 22.

Frosst, Charles E., & Co., Montreal, Quebec, Canada. Pharmaceutical preparation. 552,543, Dec. 25; Serial No. 606,862, published Aug. 14, 1951. Class 18.

Fuller-Foreman Foods Company, Inc., Bloomington, Ill. Salad dressing. 552,591, Dec. 25; Serial No. 562,353. Class 46.

Garner & Co., New York, N. Y. Bathroom utility cabinets. 552,561, Dec. 25; Serial No. 608,602, published Oct. 2, 1951. Class 32.

Geigy Company, Inc., New York, N. Y. Anti-coagulant. 552,472, Dec. 25; Serial No. 587,676, published Aug. 14, 1951. Class 18.

Gem Rubber Corporation, New York, N. Y. Doll's accessory. 552,490, Dec. 25; Serial No. 596,277, published Sept. 11, 1951. Class 22.

General Controls Co., Glendale, Calif. Temperature control and regulating systems. 552,414, Dec. 25; Serial No. 553,845, published Sept. 4, 1951. Class 26.

General Controls Co., Glendale, Calif. Temperature controls and regulating systems. 552,415, Dec. 25; Serial No. 553,847, published Sept. 4, 1951. Class 26.

General Mills, Inc., Minneapolis, Minn. Wheat flour. 291,863, renewed Feb. 23, 1952. O. G. Dec. 25. Class 46.

Georgia-Pacific Plywood & Lumber Co., Augusta, Ga. Hardwood plywood decorative panel. 552,517, Dec. 25; Serial No. 602,393, published Sept. 11, 1951. Class 12.

Getz Bros. & Co., San Francisco, Calif. Canned fish. 552,550, Dec. 25; Serial No. 607,249, published Sept. 18, 1951. Class 46.

Gibbs, Ruth, Inc., Flemington, N. J. Dressed dolls. 552,477, Dec. 25; Serial No. 591,031, published Sept. 4, 1951. Class 22.

Gilbert, A. C., Company, The, New Haven, Conn. Portable electrically operated humidifiers. 287,129, renewed Sept. 15, 1951. O. G. Dec. 25. Class 21.

Gillette Safety Razor Company, assignor: *See*—
Probak Corporation.

Goheen Corporation, The, Wilmington, Del., and Warren, Ohio, by Vita-Var Corporation, Newark, N. J. Paint. 133,675, Aug. 3, 1920. Republished Dec. 25. Class 16.

Goheen Corporation, The, Wilmington, Del., and Warren, Ohio, by Vita-Var Corporation, Newark, N. J. Red lead paint. 133,678, Aug. 3, 1920. Republished Dec. 25. Class 16.

Goheen Corporation, The, Wilmington, Del., and Warren, Ohio, by Vita-Var Corporation, Newark, N. J. Paint. 159,699, Oct. 3, 1922. Republished Dec. 25. Class 16.

Goldstein, Julius, & Sons Co., Boston, Mass. Men's and women's outdoor shoes. 552,408, Dec. 25; Serial No. 540,663, published Sept. 4, 1951. Class 39.

Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Company, Inc.

Gotham Silk Hosiery Company, Inc., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 287,799, renewed Oct. 13, 1951. O. G. Dec. 25. Class 39.

Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Furniture. 552,585, Dec. 25; Serial No. 595,953, published Oct. 2, 1951. Class 32.

Gregg, E. C., Bradenton, Fla. Artificial bait. 552,484, Dec. 25; Serial No. 593,537, published Sept. 4, 1951. Class 22.

Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. 552,593, Dec. 25; Serial No. 565,924. Class 46.

Guy, Ralph I., doing business under the fictitious name and style of The Rig Company, Glendale, Calif. Multivitamin and multi-mineral preparation. 552,467, Dec. 25; Serial No. 585,794, published Aug. 14, 1951. Class 18.

Guy, Ralph I., doing business under the fictitious name and style of The Rig Company, Glendale, Calif. Preparation used for the treatment of skin irritations. 552,468, Dec. 25; Serial No. 585,796, published Aug. 14, 1951. Class 18.

Gwalter, L. Ivimy, trustee: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.

H. & D. Co., Waco, Tex. Cotton thermal insulating material. 552,409, Dec. 25; Serial No. 541,417, published Sept. 11, 1951. Class 12.

Haas Miller Corporation, Philadelphia, Pa. Textile oil. 351,159, Oct. 19, 1937. Republished Dec. 25. Class 6.

Hall-Mack Company, Los Angeles, Calif. Medicine cabinets. 552,422, Dec. 25; Serial No. 563,046, published Oct. 2, 1951. Class 32.

Haloid Company, The, Rochester, N. Y. Developers consisting of a mixture of electroscopic powder and granular material. 552,460, Dec. 25; Serial No. 582,683, published Oct. 9, 1951. Class 6.

Hamlet, Dorman E., deceased: *See*—
Steri-Seal Company, Inc.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Polishing wheels and buffs. 552,412, Dec. 25; Serial No. 548,364, published Oct. 2, 1951. Class 4.

Harriman Manufacturing Company, The, Herriman and Chattanooga, Tenn. Steel plow blades. 444,511, June 12, 1951. Republished Dec. 25. Class 23.

Haskelite Manufacturing Corporation, Grand Rapids, Mich. Unfinished plywood shapes. 552,404, Dec. 25; Serial No. 529,530, published Jan. 6, 1948. Class 12.

Hidalgo Distributing Company, McAllen, Tex. Canned pineapple. 552,605, Dec. 25; Serial No. 585,707. Class 46.

Hildreth, H. L., Company: *See*—
Mueller, Elsa G.

Hoffman Specialty Company, Indianapolis, Ind. Thermostatic-electric control units. 552,440, Dec. 25; Serial No. 571,142, published Aug. 21, 1951. Class 26.

Holophane Company, Inc., New York, N. Y. Metal and combination glass and metal globes and reflectors. 286,611, renewed Sept. 1, 1951. O. G. Dec. 25. Class 34.

Holstein, Adolph M., to Syracuse Ornamental Co., Inc., Syracuse, N. Y. Casket-handles and casket ornaments. 83,911, re-renewed Oct. 24, 1951. O. G. Dec. 25. Class 13.

Homemaker Products: *See*—
Wilson, Kenneth R.

Hope Construction & Refining Company, Pittsburgh, Pa., to Esso Standard Oil Company, New York, N. Y. Hydrocarbon gases. 287,492, renewed Sept. 29, 1951. O. G. Dec. 25. Class 6.

Horton, M. E., Inc., Washington, D. C. Canned vegetables, canned fruits, etc. 286,771, renewed Sept. 1, 1951. O. G. Dec. 25. Class 46.

Houghton, E. F., & Co., Philadelphia, Pa. Metal cutting oils. 146,773, Sept. 20, 1921. Republished Dec. 25. Class 15.

Hoydon Food Products Corporation, Monterey, Calif. Canned fish. 552,473, Dec. 25; Serial No. 588,690, published Aug. 7, 1951. Class 46.

Hulman and Company: *See*—
Rumford Chemical Works.

Hyland Bag Company: *See*—
Hyland, Richard C.

Hyland, Richard C., doing business as Hyland Bag Company, by Pacific Diamond H Bag Company, San Francisco, Calif. Burlap bags. 199,157, June 2, 1925. Republished Dec. 25. Class 2.

Hyland, Richard C., doing business as Hyland Bag Company, by Pacific Diamond H Bag Company, San Francisco, Calif. Burlap bags. 203,679, Sept. 22, 1925. Republished Dec. 25. Class 2.

Hyland, Richard C., doing business as The Diamond H Bag Company, assignor to Pacific Bag Company, by Pacific Diamond H Bag Company, San Francisco, Calif. Burlap, cotton sheeting, and osnaburgs in the piece. 276,241, Oct. 14, 1930. Republished Dec. 25. Class 42.

Industria e Comercio Assuncao S. A., Sao Paulo, Brazil. Electrical apparatus. 552,419, Dec. 25; Serial No. 560,109, published June 26, 1951. Class 21.

Inland Bed Company, Chicago, Ill. Mattresses. 552,453, Dec. 25; Serial No. 580,137, published July 25, 1950. Class 32.

Inland Products Co.: *See*—
Meier, Arthur G.

Institute Ingenbohl, Paradies, Ingenbohl, Canton Schwyz, Switzerland. Preparation in capsule form. 552,503, Dec. 25; Serial No. 599,100, published Aug. 14, 1951. Class 18.

Institute Ingenbohl, Paradies, Ingenbohl, Canton Schwyz, Switzerland. Salve. 552,504, Dec. 25; Serial No. 599,101, published Aug. 14, 1951. Class 18.

Institutional Products Company, assignor to Institutional Products Corporation, New York, N. Y. Scalpels; elastic and non-elastic bandages; etc. 552,417, Dec. 25; Serial No. 555,522, published Sept. 25, 1951. Class 44.

Institutional Products Corporation.: *See*—
Institutional Products Company.

International Minerals & Chemical Corporation: *See*—
Larvacide Service Inc.

International Nickel Company, Inc., The, New York, N. Y. Metal welding electrodes. 552,530, Dec. 25; Serial No. 605,215, published Sept. 25, 1951. Class 14.

Jackson-Mitchell Pharmaceuticals, Inc.: *See*—
Special Milk Products, Inc.

Jamestown Table Company, Jamestown, N. Y. Furniture. 552,545, Dec. 25; Serial No. 606,976, published Oct. 2, 1951. Class 32.

Jandron, Francis L., trustee: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.

Joan-Doug Undergarment Co., Inc., New York, N. Y. Sanitary napkin-holding panties. 552,500, Dec. 25; Serial No. 598,856, published Sept. 25, 1951. Class 44.

Jones, D. C., doing business under the name and style of Ozark Remedy Company, High Springs, Fla. Laxative. 552,483, Dec. 25; Serial No. 593,356, published July 31, 1951. Class 18.

Jordan Marsh Company, Boston, Mass. Vitamin preparations, laxatives, germicides, etc. 552,464, Dec. 25; Serial No. 585,176, published Sept. 11, 1951. Class 18.

Karol Sunglass Co., New York, N. Y. Sunglasses and eyeglasses, goggles, etc. 552,611, Dec. 25; Serial No. 594,347. Class 26.

Kearney & Trecker Corporation: *See*—
Walker-Turner Company, Inc.

Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 552,435, Dec. 25; Serial No. 570,367, published Sept. 25, 1951. Class 46.

Kelly-Koett Manufacturing Company, The, Covington, Ky. Photofluorographic X-ray machines. 444,622, Dec. 25; Serial No. 516,201, published Sept. 11, 1951. Class 26.

Kiener Coal Company, The, Cleveland, Ohio. Coal. 552,430, Dec. 25; Serial No. 567,741, published Oct. 9, 1951. Class 1.

Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden. Incandescent lamps. 288,978, renewed Nov. 10, 1951. O. G. Dec. 25. Class 21.

Larvacide Service Inc., New York, N. Y., to International Minerals & Chemical Corporation, Chicago, Ill., and New York, N. Y. Insecticides. 285,047, renewed July 14, 1951. O. G. Dec. 25. Class 6.

Lazarus, A. S., & Co., Inc., New York, N. Y., assignee, by mesne assignments, of A. S. Lazarus & Co., Inc. Toy rattles, roly poly toys, soft toys, etc. 552,401, Dec. 25; Serial No. 451,628, published Sept. 11, 1951. Class 22.

Leader Specialty Company, Indianapolis, Ind. Bibb washers, gaskets, spud washers, etc. 552,405, Dec. 25; Serial No. 531,921, published Oct. 9, 1951. Class 35.

Lektrolite Corporation, New York, N. Y. Metallic surface coating. 444,618, Dec. 25; Serial No. 504,441, published Oct. 9, 1951. Class 6.

Leschke, Eberhardt F.: *See*—
Leschke & Pletcher.

Leschke & Pletcher to Eberhardt F. Leschke, Hartford, Conn. Cigars and smoking and chewing tobacco. 84,646, re-renewed Dec. 26, 1951. O. G. Dec. 25. Class 17.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour, bran, corn meal, etc. 552,406, Dec. 25; Serial No. 532,734, published Sept. 18, 1951. Class 46.

Lowe, Joe, Co., Inc., Brooklyn, to Joe Lowe Corporation, New York, N. Y. Dehydrated whole eggs, dehydrated egg yolk, and dehydrated egg albumen. 291,072, renewed Jan. 26, 1952. O. G. Dec. 25. Class 46.

Lowe, Joe, Corporation: *See*—
Lowe, Joe, Co., Inc.

Lowebco, Incorporated, Chicago, Ill. Paint additive for creating sand finished textured coatings. 552,549, Dec. 25; Serial No. 607,179, published Sept. 25, 1951. Class 16.

Luxem, James P., Co., The, Chicago, Ill. Folding tables and folding chairs. 552,510, Dec. 25; Serial No. 601,110, published Oct. 9, 1951. Class 32.

Manufacturers and Importers of French Perfumes, Inc., Dover, Del., and New York, N. Y. Perfumes and toilet waters. 552,508, Dec. 25; Serial No. 599,445, published Sept. 25, 1951. Class 51.

Marcellino, Vincent J., doing business as Central Electronics Company, Boston, Mass. Electronic instruments. 552,433, Dec. 25; Serial No. 569,005, published Aug. 21, 1951. Class 26.

Markt & Hammacher Company, New York, N. Y. Fiber block brake linings, transmission linings, etc. 552,569, Dec. 25; Serial No. 610,085, published Oct. 9, 1951. Class 35.

Mayfair Purchasing Company, Inc., Chicago, Ill. Radio and television receiving sets. 537,849, Feb. 13, 1951. Canceled Oct. 19, 1951. O. G. Dec. 25. Class 21.

McCrory Stores Corporation, New York, N. Y. Dry cell and flashlight batteries. 552,432, Dec. 25; Serial No. 568,962, published July 24, 1951. Class 21.

McDonald, George R., doing business as Pantechnical Manufacturing Company, Berkeley, Calif. Measuring or laboratory equipment. 552,474, Dec. 25; Serial No. 589,102, published Aug. 21, 1951. Class 26.

Mead Johnson & Company, Evansville, Ind. Precooked, dried cereals, canned vegetables and canned fruits. 552,521, Dec. 25; Serial No. 603,072, published Aug. 7, 1951. Class 46.

Meier, Arthur G., doing business as Inland Products Co., Roanoke, Va. Motor oil. 552,587, Dec. 25; Serial No. 499,726. Class 15.

Mennel Milling Company, The, Fostoria and Toledo, Ohio. Wheat flour. 552,481, Dec. 25; Serial No. 593,035, published Sept. 25, 1951. Class 46.

Merfish, Rose, Houston, Tex. Water heaters. 352,980, Dec. 21, 1937. Canceled Oct. 12, 1951. O. G. Dec. 25. Class 34.

Metropolitan Refining Co., Inc., New York and Long Island City, N. Y. Drain pipe solvent compound. 552,452, Dec. 25; Serial No. 579,991, published Oct. 2, 1951. Class 52.

Metzger Pharmacal Co., Inc., Roslyn Heights, N. Y. Medicinal preparation. 552,489, Dec. 25; Serial No. 596,040, published Sept. 18, 1951. Class 18.

Midwest Marble & Tile Company, Incorporated, Washington, D. C. Blasted clay and shales. 552,416, Dec. 25; Serial No. 554,996, published Aug. 2, 1949. Class 1.

Milbern Laboratories, Inc., Brooklyn, N. Y. Hair conditioning creme. 552,466, Dec. 25; Serial No. 585,596, published Sept. 18, 1951. Class 51.

Miller, Louis J., Waban, Mass. Blended bourbon whiskey and blended rye whiskey. 312,844, May 8, 1934. Canceled Nov. 16, 1951. O. G. Dec. 25. Class 49.

Milton Roy Company, Philadelphia, Pa. Air cylinder powered measuring pump. 552,506, Dec. 25; Serial No. 599,194, published Sept. 11, 1951. Class 26.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Surface coated fiber composition board and blocks. 552,609, Dec. 25; Serial No. 591,945. Class 12.

Mint-Julep Chewing Gum Company, The: *See*—
Mueller, Elsa G.

Mitropa Corporation of New York, New York, N. Y. Photoelectric exposure meter. 552,519, Dec. 25; Serial No. 602,812, published Sept. 25, 1951. Class 26.

Monark Silver King, Inc., Chicago, Ill. Bicycles. 552,498–9, Dec. 25; Serial Nos. 598,667–8, published Sept. 11, 1951. Class 19.

Money-Meters, Inc., Providence, R. I. Coin or token receiving and registering receptacles. 552,515, Dec. 25; Serial No. 601,994, published Sept. 4, 1951. Class 26.

Motloid Company, The, Chicago, Ill. Acrylic material. 552,600, Dec. 25; Serial No. 577,543. Class 44.

Mueller, Elsa G., doing business as The Mint-Julep Chewing Gum Company, Washington, D. C., to H. L. Hildreth Company, Boston, Mass. Candy tablets. 287,166, renewed Sept. 15, 1951. O. G. Dec. 25. Class 46.

Muf-L-Cote, Incorporated, Akron, Ohio, by change of name from Ohio Muf-L-Cote Company. Paint-like sound-deadening coating compositions. 552,586, Dec. 25; Serial No. 476,369. Class 16.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Counter tops for kitchen cabinets. 552,564, Dec. 25; Serial No. 609,250, published Oct. 9, 1951. Class 32.

Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Farina food. 552,438, Dec. 25; Serial No. 570,906, published Aug. 7, 1951. Class 46.

Nachman Corporation, Chicago, Ill. Spring assemblies for mattresses. 552,449, Dec. 25; Serial No. 578,277, published Oct. 2, 1951. Class 32.

National Exchange Club, The, Toledo, Ohio. Lapel buttons, pins and badges, etc. 552,622, Dec. 25; Serial No. 610,292. Class 28.

National Jewel Distributors, Inc., New York, N. Y., by Universal Match Corporation, St. Louis, Mo. Pyrophoric lighters, and part thereof. 427,813, Feb. 25, 1947. Republished Dec. 25. Class 34.

National Milling & Chemical Co., Philadelphia, Pa. Detergent. 552,614, Dec. 25; Serial No. 594,983. Class 52.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Kraft paper. 286,897, renewed Sept. 8, 1951. O. G. Dec. 25. Class 37.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bleached kraft paper. 286,911, renewed Sept. 8, 1951. O. G. Dec. 25. Class 37.

Nelson, Swain, Company, Glenview, Ill. Optical lenses and devices. 552,418, Dec. 25; Serial No. 559,188, published Sept. 11, 1951. Class 26.

Nestle-Le Mur Company, The, New York, N. Y. Hair tinting powder. 552,557, Dec. 25; Serial No. 608,121, published Sept. 4, 1951. Class 51.

Northfield Cheese Corporation, New York, N. Y. Cheese food. 552,538–9, Dec. 25; Serial Nos. 606,481–2, published Sept. 11, 1951. Class 46.

Northrup, King & Co., Minneapolis, Minn. Lawn fertilizer. 552,571, Dec. 25; Serial No. 610,458, published Oct. 9, 1951. Class 10.

Noskar Mfg. Co. Inc., Snow Hill, Md. Medicated salve for burns, cuts, etc. 552,618, Dec. 25; Serial No. 602,771. Class 18.

Nugent, Wm. W., & Co., Inc., Chicago, Ill. Measuring and indicating devices. 552,537, Dec. 25; Serial No. 606,164, published Sept. 4, 1951. Class 26.

Ohio Muf-L-Cote Company: *See*—
Muf-L-Cote, Incorporated.

Ohio National Bank of Columbus, assignee: *See*—
Steri-Seal Company, Inc.

Old Bleach Linen Company, Limited, The, Randalstown, Ireland. Linen piece goods, rayon piece goods, cotton piece goods, etc. 552,444, Dec. 25; Serial No. 575,370, published Sept. 4, 1951. Class 42.

Ozark Remedy Company: *See*—
Jones, D. C.

P-V-M Corporation, New York and Wappingers Falls, N. Y. Dyed and finished fabrics. 512,956, July 26, 1949. Canceled Nov. 16, 1951. O. G. Dec. 25. Class 42.

Pacific Bag Company: *See*—
Hyland, Richard C.

Pacific Diamond H Bag Company: *See*—
Hyland, Richard C.

Pantechnical Manufacturing Company: *See*—
McDonald, George R.

Patterson-Sargent Company, The, Cleveland, Ohio. Ready-mixed paints. 552,437, Dec. 25; Serial No. 570,792, published Oct. 9, 1951. Class 16.

Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Penetrating oils. 552,492, Dec. 25; Serial No. 596,943, published Sept. 4, 1951. Class 15.

Philadelphia Quartz Company, Philadelphia, Pa. Cleansing compound. 292,106, renewed Mar. 1, 1952. O. G. Dec. 25. Class 52.

Phillips Petroleum Company, Bartlesville, Okla. Livestock spray, liquid radiator stop leak, etc. 552,445, Dec. 25; Serial No. 575,426, published Oct. 9, 1951. Class 6.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 552,487, Dec. 25; Serial No. 595,402, published Aug. 28, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. B-complex capsules, tonic and hematinic elixir, etc. 552,488, Dec. 25; Serial No. 595,411, published Aug. 28, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 552,514, Dec. 25; Serial No. 601,841, published Aug. 14, 1951. Class 18.

Physicians & Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 552,516, Dec. 25; Serial No. 602,061, published Aug. 28, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 552,527, Dec. 25; Serial No. 604,923, published Aug. 14, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 552,528, Dec. 25; Serial No. 604,925, published Aug. 14, 1951. Class 18.

Pinex Company, Inc., The, Fort Wayne, Ind. Preparations for the relief of the symptoms of colds and hay fever. 552,479, Dec. 25; Serial No. 592,220, published Aug. 14, 1951. Class 18.

Piper Aircraft Corporation, Lock Haven, Pa. Airplanes and structural parts thereof. 552,470, Dec. 25; Serial No. 587,501, published Sept. 18, 1951. Class 19.

Pitman-Moore Co.: *See*—
Allied Laboratories, Inc.

Pittman, Alfred, trustee: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint products. 552,544, Dec. 25; Serial No. 606,897, published Oct. 9, 1951. Class 16.

Plasti-Liner Co., Inc., Buffalo, N. Y. Preparation for holding dentures in place while in use. 552,480, Dec. 25; Serial No. 592,406, published Sept. 18, 1951. Class 51.

Plax Corporation, West Hartford, Conn. Film, rod, tubing, tape, and sheet formed of resinous plastic materials. 552,441, Dec. 25; Serial No. 572,119, published Oct. 9, 1951. Class 1.

Polsky, Charles, & Son, Toms River, N. J. Fresh eggs. 552,601, Dec. 25; Serial No. 580,372. Class 46.

Post, Frederick, Company, The, Chicago, Ill. Encased set of instruments for mechanical drawing. 552,465, Dec. 25; Serial No. 585,526, published Sept. 11, 1951. Class 26.

Probak Corporation, Jersey City, N. J., and New York, N. Y., assignor to Gillette Safety Razor Company, to Colton Razor Blade Company, Boston, Mass. Razor blades. 286,983, renewed Sept. 8, 1951. O. G. Dec. 25. Class 23.

Pryor, Edward J., Santa Maria, Calif. Fresh vegetables. 552,556, Dec. 25; Serial No. 608,079, published Sept. 11, 1951. Class 46.

Puritan Mills, Atlanta, Ga. Poultry and cattle pellets; rabbit pellets; hog feed pellets; etc. 552,410, Dec. 25; Serial No. 545,166, published Sept. 25, 1951. Class 46.

RKO-Pathe Inc., New York, N. Y. Series of motion picture films. 552,572, Dec. 25; Serial No. 611,721, published Sept. 18, 1951. Class 26.

Rand Rubber Company, Inc., Brooklyn, N. Y. Baby pants. 552,413, Dec. 25; Serial No. 550,553, published Oct. 2, 1951. Class 39.

Raymond Laboratories, Inc., St. Paul, Minn. Preparations for the treatment of hair. 552,496, Dec. 25; Serial No. 598,022, published Oct. 2, 1951. Class 52.

Raytheon Manufacturing Company, Newton, Mass. Apparatus for measuring distance. 552,505, Dec. 25; Serial No. 599,190, published Sept. 18, 1951. Class 26.

Reamstown Hosiery Mills, Inc., Mohnton, Pa. Ladies' hosiery. 552,512, Dec. 25; Serial No. 601,465, published Oct. 2, 1951. Class 39.

Regis Leather Company, Peabody, Mass. Leather. 552,469, Dec. 25; Serial No. 586,652, published Sept. 25, 1951. Class 1.

Relax-O Co., Chicago, Ill. Hair conditioning cream. 552,451, Dec. 25; Serial No. 578,855, published Sept. 18, 1951. Class 51.

Resist All Inc., Oklahoma City, Okla. Outside metal blinds. 552,447, Dec. 25; Serial No. 576,362, published Sept. 11, 1951. Class 12.

Ribalaygua, Manuel L., Santander, Spain. Cigarette paper and cigarette-paper-booklet covers. 276,412, renewed Oct. 21, 1951. O. G. Dec. 25. Class 8.

Riegel Textile Corporation: *See*—
Vandam, Albert H., Co. Inc.

Rig Company, The: *See*—
Guy, Ralph I.

Rockbestos Products Corporation, New Haven, Conn. Electric cables and other electric conductors. 288,952, Nov. 10, 1931. Republished Dec. 25. Class 21.

Rosmarin, Philip, New York, N. Y. Processed rabbit skins. 552,612, Dec. 25; Serial No. 594,809. Class 1.

Rumford Chemical Works, to Hulman and Company, Rumford, R. I. Cleaning preparation. 290,450, renewed Jan. 5, 1952. O. G. Dec. 25. Class 52.

Rust-Ban Company: *See*—
Searles, Robert M.

S C Syndicate: *See*—
Special Correspondents, Inc.

Saltz, Lyle A., doing business as The Cafécofe Co., assignor to Cafécofe Corporation, Philadelphia, Pa. Mixture of ground coffee kernels, ground cacao kernels, and salt. 552,554, Dec. 25; Serial No. 607,604, published Sept. 18, 1951. Class 46.

Salazar, Robert, Los Angeles, Calif. General tonic, alterative, and nutritive. 291,584, renewed Feb. 23, 1932. O. G. Dec. 25. Class 18.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Preparations for the treatment and control of poultry diseases. 552,532, Dec. 25; Serial No. 605,767, published Aug. 14, 1951. Class 18.

Saluda Corporation, New York, N. Y. Men's undershorts. 552,523, Dec. 25; Serial No. 603,859, published Oct. 2, 1951. Class 39.

Schering Corporation, Bloomfield, N. J. Medicinal preparation. 552,429, Dec. 25; Serial No. 566,477, published Sept. 11, 1951. Class 18.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Unmedicated surgical bandages. 552,598, Dec. 25; Serial No. 574,641. Class 44.

Schrack, Leon C., doing business as Columbia Products Co., Columbus, Ohio. General purpose soapless detergent. 552,497, Dec. 25; Serial No. 598,608, published Oct. 2, 1951. Class 52.

Sealerize Company, Inc., Chicago, Ill. Resinous vehicle which is used as a sealer, etc. 552,621, Dec. 25; Serial No. 609,947. Class 16.

Searles, Robert M., doing business as Rust-Ban Company, Philadelphia, Pa., to Esso Standard Oil Company, New York, N. Y. Liquid preparation used for preventing rust. 290,218, renewed Dec. 22, 1951. O. G. Dec. 25. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin preparation. 552,541, Dec. 25; Serial No. 606,730, published Aug. 14, 1951. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicated antiseptic ointment. 552,542, Dec. 25; Serial No. 606,731, published Aug. 14, 1951. Class 18.

Shell Oil Company, San Francisco, Calif., to Shell Oil Company, New York, N. Y. Asphalt. 287,372, renewed Sept. 22, 1951. O. G. Dec. 25. Class 12.

Skrmetta, Ray: *See*—
Deepsouth Packing Company.

Smith Asbestos Products, Inc.: *See*—
Asbestos Limited, Inc.

Smith, Henry M., doing business as Southern California Oil Tool Company, Bell, Calif. High pressure metal gaskets. 444,621, Dec. 25; Serial No. 514,913, published Aug. 17, 1948. Class 35.

Smith, Kline & French Laboratories, Philadelphia, Pa. Unit of medication. 552,546, Dec. 25; Serial No. 607,101, published Aug. 21, 1951. Class 18.

Societe Rodier, Paris, France, vested in Attorney General of the United States, Washington, D. C. Woolen, merino and cashmere piece goods. 160,673, renewed Oct. 24, 1942. O. G. Dec. 25. Class 42.

Southern California Oil Tool Company: *See*—
Smith, Henry M.

Special Correspondents, Inc., sometimes doing business as S C Syndicate, Chicago, Ill. Procuring placement in newspapers, in radio programs, etc. 552,581–2, Dec. 25; Serial Nos. 570,587–8, published Oct. 9, 1951. Class 101.

Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc. Vitamin-mineral capsule. 552,540, Dec. 25; Serial No. 606,574, published Aug. 14, 1951. Class 18.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Liquid preparation for cleaning and polishing glass, etc. 287,557, renewed Sept. 29, 1951. O. G. Dec. 25. Class 4.

Standard Milling Company: *See*—
Loudonville Milling Company, The.

Stant Manufacturing Company, Connersville, Ind. Locking closure caps. 552,411, Dec. 25; Serial No. 545,554, published Oct. 9, 1951. Class 25.

Stelber Cycle Corp., Brooklyn, N. Y. Children's tricycles, children's bicycles, etc. 552,502, Dec. 25; Serial No. 599,029, published Oct. 9, 1951. Class 22.

Steri-Seal: *See*—
Steri-Seal Company, Inc.

Steri-Seal Company, Inc., Columbus, Ohio, assignee of Ohio National Bank of Columbus, executor of the will of D. E. Hamiel, deceased, doing business as Steri-Seal. Nursing unit. 552,595, Dec. 25; Serial No. 567,915. Class 44.

Stewart, Bud, Tackle Company, Flint, Mich. Artificial fish lures. 552,529, Dec. 25; Serial No. 604,936, published Sept. 11, 1951. Class 22.

Stewart Paint Manufacturing Company, Minneapolis, Minn. Enamel paint and varnish. 552,446, Dec. 25; Serial No. 575,725, published Oct. 16, 1951. Class 16.

Strike-Master, Inc.: *See*—
Foster Leader and Tackle Co.

Sun Rubber Company, The, Barberton, Ohio. Basketball covers, football covers, and soccer ball covers. 552,493, Dec. 25; Serial No. 597,237, published Sept. 4, 1951. Class 22.

Sunset Packing Co., Inc., Pembroke, and West Pembroke, Maine. Canned fish. 552,442, Dec. 25; Serial No. 574,065, published Sept. 18, 1951. Class 46.

Supplee-Biddle-Stelts Company, Philadelphia, Pa. Ready mixed paints, lacquers, enamels, etc. 552,476, Dec. 25; Serial No. 590,716, published Oct. 9, 1951. Class 16.

Syracuse Ornamental Co., Inc.: *See*—
Holstein, Adolph M.

Technicon Chromatography Corporation, assignor to The Technicon Company, New York, N. Y. Apparatus for collecting fractions or samples of materials. 552,450, Dec. 25; Serial No. 578,740, published Sept. 18, 1951. Class 26.

Technicon Company, The: *See*—
Technicon Chromatography Corporation.

Technicon Company, The, New York, N. Y. Apparatus and implements used in the preparation of or in connection with microscope slides. 552,570, Dec. 25; Serial No. 610,195, published Sept. 18, 1951. Class 26.

Teich, Curt, & Company, Chicago, Ill. Metal display devices for postcards, etc. 552,559, Dec. 25; Serial No. 608,388, published Oct. 2, 1951. Class 32.

Thalson Company, San Francisco, Calif. Binocular glasses field glasses, opera or theatre glasses, etc. 552,436, Dec. 25; Serial No. 570,734, published Sept. 11, 1951. Class 26.

Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Glass bottles. 552,590, Dec. 25; Serial No. 558,328. Class 33.

Thomas Hosiery Company, Inc., New York, N. Y. Hosiery. 552,524, Dec. 25; Serial No. 604,165, published Oct. 9, 1951. Class 39.

Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa. Cured, boned, and smoked pork products. 552,402, Dec. 25; Serial No. 513,593, published Sept. 11, 1951. Class 46.

Toms, William S., Limited, High Wycombe, England. Mattresses, pillows, wood bedsteads, etc. 552,513, Dec. 25; Serial No. 601,655, published Oct. 9, 1951. Class 32.

Tonasket Ellis-Forde Growers, Inc., Tonasket, Wash. Fresh apples. 552,533, Dec. 25; Serial No. 605,815, published Sept. 11, 1951. Class 46.

Townsend Medicine Co., Inc., Minneapolis, Minn. Tablets for hyperacidity of the stomach. 552,458, Dec. 25; Serial No. 582,507, published Aug. 14, 1951. Class 18.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Ultrasonic Medical Equipment Corporation, New York, N. Y. Medical apparatus. 552,518, Dec. 25; Serial No. 602,477, published Sept. 11, 1951. Class 44.

Universal Camera Corporation, New York, N. Y. Camera film. 552,566–7, Dec. 25; Serial Nos. 609,324–5, published Aug. 15, 1951. Class 26.

Universal Match Corporation: *See*—
National Jewel Distributors, Inc.

V. P. O. Company of America: *See*—
Wilke, Rose.

Vandam, Albert H., Co, Inc., to Riegel Textile Corporation, New York, N. Y. Cotton piece goods. 287,841, renewed Oct. 13, 1951. O. G. Dec. 25. Class 42.

Vector Manufacturing Company, Houston, Tex. Electrical psychophysical apparatus. 552,403, Dec. 25; Serial No. 517,096, published Sept. 4, 1951. Class 26.

Vernon Company, The, Newton, Iowa. Basketball sets. 552,424, Dec. 25; Serial No. 564,486, published Sept. 4, 1951. Class 22.

Veterans Broadcasting Company, Houston, Tex. Radio program broadcasting services. 552,583, Dec. 25; Serial No. 570,745, published Oct. 9, 1951. Class 104.

Vital Food Company of California: *See*—
Wilke, Rose.

Vita-Var Corporation: *See*—
Goheen Corporation, The.

Vogl, Arnold, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine. Canned fish. 552,461, Dec. 25; Serial No. 582,713, published Sept. 18, 1951. Class 46.

Von Bremen, Asche, De Bruyn, Inc., to Asche-Bandor Corporation, New York, N. Y. Canned mushrooms, canned fruits, etc. 289,589, renewed Dec. 1, 1951. O. G. Dec. 25. Class 46.

Wagner, H. L., & Sons, Imbler, Oreg. Grass seed. 552,617, Dec. 25; Serial No. 601,242. Class 1.

Walker-Turner Company, Inc., Plainfield, N. J., by Kearney & Trecker Corporation, Milwaukee, Wis. Electric motors and electric switches. 343,576, Feb. 23, 1937. Republished Dec. 25. Class 21.

Waxed Silicone Products, Inc., Miami, Fla. Paint sealing compounds. 552,589, Dec. 25; Serial No. 536,189. Class 16.

Weidlich Sterling Spoon Co., Bridgeport, Conn. Silverware. 429,924, May 27, 1947. Canceled Nov. 16, 1951. O. G. Dec. 25. Class 28.

Whallon, Edward V.: *See*—
Conrad, Edward V., and Whallon.

Whiz Fish Products Company, Inc., Seattle, Wash. Canned fish. 504,706, Dec. 7, 1948. Canceled Nov. 16, 1951. O. G. Dec. 25. Class 46.

Wilke, Rose, doing business as Vital Food Company of California, and V. P. O. Company of America, Los Angeles, Calif. Tooth powder, bath powder, enema powder, etc. 287,479, renewed Sept. 29, 1951. O. G. Dec. 25. Class 51.

Will & Baumer Candle Co., Inc.: *See*—
Will & Baumer Company, The.

Will & Baumer Company, The, to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 83,958, re-renewed Oct. 24, 1951. O. G. Dec. 25. Class 15.

Willamette Valley Lumber Co., Dallas, Oreg. Lumber. 552,462, Dec. 25; Serial No. 584,179, published Sept. 11, 1951. Class 12.

Williams & Bennett Co., Los Angeles, Calif. Automobile accessories. 552,426, Dec. 25; Serial No. 565,028, published Sept. 11, 1951. Class 19.

Wilson, Kenneth R., doing business as Homemaker Products, Antioch, Ill. Button gauge. 552,485, Dec. 25; Serial No. 594,936, published Sept. 11, 1951. Class 26.

Wiltse Laboratories, Inc., New York, N. Y. Mechanical exercising apparatus. 552,507, Dec. 25; Serial No. 599,405, published Sept. 11, 1951. Class 44.

Woodworth, C. B., Sons Co., The, to Bourjois, Inc., New York, N. Y. Perfumes. 55,630, Aug. 21, 1906. New certificate. O. G. Dec. 25. Class 51 (formerly Class 6).

Woodworth, C. B., Sons Co., The, to Bourjois, Inc., New York, N. Y. Toilet cream. 70,935, Oct. 20, 1908. New certificate. O. G. Dec. 25. Class 51 (formerly Class 6).

Woodworth, C. B., Sons Co., The, to Bourjois, Inc., New York, N. Y. Perfumes, etc. 75,597, Oct. 26, 1909. New certificate. O. G. Dec. 25. Class 51 (formerly Class 6).

Wright & McGill Co., Denver, Colo. Artificial fishing flies. 552,619, Dec. 25; Serial No. 604,243. Class 22.

Wyeth Incorporated, Philadelphia, Pa. Educational moving pictures. 552,551, Dec. 25; Serial No. 607,467, published Sept. 18, 1951. Class 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bloated clay and shales. Midwest Marble & Tile Company, Incorporated. 552,416, Dec. 25; Serial No. 554,996, published Aug. 2, 1949.

Coal. The Kiener Coal Company. 552,430, Dec. 25; Serial No. 567,741, published Oct. 9, 1951.

Film, rod, tubing, tape, and sheet formed of resinous plastic materials. Plax Corporation. 552,441, Dec. 25; Serial No. 572,119, published Oct. 9, 1951.

Leather. Regis Leather Company. 552,469, Dec. 25; Serial No. 586,652, published Sept. 25, 1951.

Processed rabbit skins. P. Rosmarin. 552,612, Dec. 25; Serial No. 594,809.

Seed corn. C. U. Faris. 552,552, Dec. 25; Serial No. 607,541, published Sept. 25, 1951.

Seed, Grass. H. L. Wagner & Sons. 552,617, Dec. 25; Serial No. 601,242.

Seed, Lawn. Cargill, Incorporated. 552,613, Dec. 25; Serial No. 594,884.

CLASS 2

Bags, Burlap. R. C. Hyland. 199,157, June 2, 1925. Republished Dec. 25.

Bags, Burlap. R. C. Hyland. 203,679, Sept. 22, 1925. Republished Dec. 25.

CLASS 4

Liquid preparation for cleaning and polishing glass, etc. Stanco Incorporated. 287,557, renewed Sept. 29, 1951. O. G. Dec. 25.

Polishing wheels and buffs. Hanson-Van Winkle-Munning Company. 552,412, Dec. 25; Serial No. 548,364, published Oct. 2, 1951.

Preparation for cleaning and polishing hard finished surfaces. T. L. E. Cobb. 552,471, Dec. 25; Serial No. 587,581, published Oct. 2, 1951.

CLASS 5

Core oil. Chicago Heights Paint and Varnish Company. 552,602, Dec. 25; Serial No. 581,584.

CLASS 6

Developers consisting of a mixture of electroscopic powder and granular material. The Haloid Company. 552,460, Dec. 25; Serial No. 582,683, published Oct. 9, 1951.

Fungicides, Agricultural. Central Chemical Corporation. 552,443, Dec. 25; Serial No. 574,409, published Oct. 9, 1951.

Hydrocarbon gases. Hope Construction & Refining Company. 287,492, renewed Sept. 29, 1951. O. G. Dec. 25.

Insecticides. Larvacide Service Inc. 285,047, renewed July 14, 1951. O. G. Dec. 25.

Liquid preparation used for preventing rust. R. M. Searles. 290,218, renewed Dec. 22, 1951. O. G. Dec. 25.

Livestock spray, liquid radiator stop leak, etc. Phillips Petroleum Company. 552,445, Dec. 25; Serial No. 575,426, published Oct. 9, 1951.

Metallic surface coating. Lektrolite Corporation. 444,618, Dec. 25; Serial No. 504,441, published Oct. 9, 1951.

Textile oil. Haas Miller Corporation. 351,159, Oct. 19, 1937. Republished Dec. 25.

CLASS 8

Cigarette paper and cigarette-paper-booklet covers. M. L. Ribalaygua. 276,412, renewed Oct. 21, 1951. O. G. Dec. 25.

CLASS 10

Fertilizer, Lawn. Northrup, King & Co. 552,571, Dec. 25; Serial No. 610,453, published Oct. 9, 1951.

CLASS 12

Asbestos siding and shingles. Asbestos Limited, Inc. 552,425, Dec. 25; Serial No. 564,920, published Sept. 11, 1951.

Asphalt. Shell Oil Company. 287,372, renewed Sept. 22, 1951. O. G. Dec. 25.

Doors, Solid core flush. Culler Furniture Company. 552,596, Dec. 25; Serial No. 573,171.

Hardwood flooring. The Connor Lumber and Land Company. 552,604, Dec. 25; Serial No. 585,315.

Hardwood plywood decorative panel. Georgia-Pacific Plywood & Lumber Co. 552,517, Dec. 25; Serial No. 602,393, published Sept. 11, 1951.

Insulating material, Cotton thermal. H. & D. Co. 552,409, Dec. 25; Serial No. 541,417, published Sept. 11, 1951.

Lumber. Willamette Valley Lumber Co. 552,462, Dec. 25; Serial No. 584,179, published Sept. 11, 1951.

Metal blinds, Outside. Resist All Inc. 552,447, Dec. 25; Serial No. 576,362, published Sept. 11, 1951.

Plywood shapes, Unfinished. Haskelite Manufacturing Corporation. 552,404, Dec. 25; Serial No. 529,530, published Jan. 6, 1948.

Surface coated fiber composition board and blocks. Minnesota and Ontario Paper Company. 552,609, Dec. 25; Serial No. 591,945.

Tile, Rubber. The Danbury Rubber Company, Inc. 552,594, Dec. 25; Serial No. 567,189.

CLASS 13

Casket-handles and casket ornaments. A. M. Holstein. 83,911, re-renewed Oct. 24, 1951. O. G. Dec. 25.

Faucets. Donnal Company. 552,603, Dec. 25; Serial No. 582,772.

Safety belts. E. D. Bullard Company. 552,607, Dec. 25; Serial No. 591,279.

CLASS 14

Metal welding electrodes. The International Nickel Company. 552,530, Dec. 25; Serial No. 605,215, published Sept. 25, 1951.

Metals and alloys. Foote Mineral Company. 552,520, Dec. 25; Serial No. 602,835, published Oct. 2, 1951.

Printing type. Bauer Alphabets Inc. 552,579, Dec. 25; Serial No. 615,046, published Sept. 18, 1951. Class 14.

CLASS 15

Candles. The Will & Baumer Company. 83,958, re-renewed Oct. 24, 1951. O. G. Dec. 25.

Oil, Motor. A. G. Meier. 552,587, Dec. 25; Serial No. 499,726.

Oils, Metal cutting. E. F. Houghton & Co. 146,773, Sept. 20, 1921. Republished Dec. 25.

Oils, Penetrating. The Pep Boys—Manny, Moe & Jack. 552,492, Dec. 25; Serial No. 596,943, published Sept. 4, 1951.

CLASS 16

Paint. The Goheen Corporation. 133,675, Aug. 3, 1920. Republished Dec. 25.

Paint. The Goheen Corporation. 159,699, Oct. 3, 1922. Republished Dec. 25.

Paint additive for creating sand finished textured coatings. Lowebco, Incorporated. 552,549, Dec. 25; Serial No. 607,179, published Sept. 25, 1951.

Paint, Enamel, and varnish. Stewart Paint Manufacturing Company. 552,446, Dec. 25; Serial No. 575,725, published Oct. 16, 1951.

Paint-like sound-deadening coating compositions. Muf-L-Cote, Incorporated. 552,586, Dec. 25; Serial No. 476,369.

Paint products. Pittsburgh Plate Glass Company. 552,544, Dec. 25; Serial No. 606,897, published Oct. 9, 1951.

Paint, Red lead. The Goheen Corporation. 133,678, Aug. 3, 1920. Republished Dec. 25.

Paint sealing compounds. Waxed Silicone Products, Inc. 552,589, Dec. 25; Serial No. 536,189.
Paints, Ready-mixed. The Patterson-Sargent Company. 552,437, Dec. 25; Serial No. 570,792, published Oct. 9, 1951.
Paints, Ready mixed, lacquers, enamels, etc. Supplee-Biddle-Steltz Company. 552,476, Dec. 25; Serial No. 590,716, published Oct. 9, 1951.
Resinous vehicle which is used as a sealer, etc. Sealerize Company, Inc. 552,621, Dec. 25; Serial No. 609,947.
Turpentine, linseed oil, linseed replacement oil, etc. Ellicott Paint Co., Inc. 552,568, Dec. 25; Serial No. 609,480, published Oct. 9, 1951.

CLASS 17

Cigarettes, cigars, smoking and chewing tobacco. The American Tobacco Company. 291,696, renewed Feb. 23, 1952. O. G. Dec. 25.
Cigars and smoking and chewing tobacco. Leschke & Fletcher. 84,646, re-renewed Dec. 26, 1951. O. G. Dec. 25.

CLASS 18

Anti-coagulant. Geigy Company, Inc. 552,472, Dec. 25; Serial No. 587,676, published Aug. 14, 1951.
B-complex capsules, tonic and hematinic elixir, etc. Physicians and Hospitals Supply Company, Inc. 552,488, Dec. 25; Serial No. 595,411, published Aug. 28, 1951.
Compositions comprising choline and inositol. Commercial Solvents Corporation. 552,494, Dec. 25; Serial No. 597,252, published Aug. 21, 1951.
General tonic, alterative and nutritive. R. Salazar. 291,584, renewed Feb. 23, 1952. O. G. Dec. 25.
Hemostatic. Flint, Eaton and Company. 552,454, Dec. 25; Serial No. 581,653, published Aug. 21, 1951.
Laxative. D. C. Jones. 552,483, Dec. 25; Serial No. 593,356, published July 31, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 552,487, Dec. 25; Serial No. 595,402, published Aug. 28, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 552,514, Dec. 25; Serial No. 601,841, published Aug. 14, 1951.
Medical preparation. Physicians & Hospitals Supply Company, Inc. 552,516, Dec. 25; Serial No. 602,061, published Aug. 28, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 552,527, Dec. 25; Serial No. 604,923, published Aug. 14, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 552,528, Dec. 25; Serial No. 604,925, published Aug. 14, 1951.
Medicated antiseptic ointment. Sharp & Dohme, Incorporated. 552,542, Dec. 25; Serial No. 606,731, published Aug. 14, 1951.
Medicated chewing gum. American Chewing Products Corp. 552,526, Dec. 25; Serial No. 604,681, published Aug. 14, 1951.
Medicinal preparation. Mezger Pharmacal Co., Inc. 552,489, Dec. 25; Serial No. 596,040, published Sept. 18, 1951.
Medicinal preparation. Schering Corporation. 552,429, Dec. 25; Serial No. 566,477, published Sept. 11, 1951.
Multi-vitamin and multi-mineral preparation. R. I. Guy. 552,467, Dec. 25; Serial No. 585,794, published Aug. 14, 1951.
Parenteral solution of amphetamine sulfate. Allied Laboratories, Inc. 552,434, Dec. 25; Serial No. 569,419, published Sept. 11, 1951.
Pharmaceutical preparation. Charles E. Frosst & Co. 552,543, Dec. 25; Serial No. 606,862, published Aug. 14, 1951.
Preparation in capsule form. Institute Ingenbohl. 552,503, Dec. 25; Serial No. 599,100, published Aug. 14, 1951.
Preparation used for the treatment of skin irritations. R. I. Guy. 552,468, Dec. 25; Serial No. 585,796, published Aug. 14, 1951.
Preparations for the relief of the symptoms of colds and hay fever. The Pinex Company, Inc. 552,479, Dec. 25; Serial No. 592,220, published Aug. 14, 1951.
Preparations for the treatment and control of poultry diseases. Dr. Salsbury's Laboratories. 552,532, Dec. 25; Serial No. 605,767, published Aug. 14, 1951.
Reagent tablet. Ames Company, Inc. 552,547, Dec. 25; Serial No. 607,111, published Aug. 21, 1951.
Salve. Institute Ingenbohl. 552,504, Dec. 25; Serial No. 599,101, published Aug. 14, 1951.
Salve for burns, cuts, etc., Medicated. Noskar Mfg. Co. Inc. 552,618, Dec. 25; Serial No. 602,771.
Tablets for hyperacidity of the stomach. Townsend Medicine Co., Inc. 552,458, Dec. 25; Serial No. 582,507, published Aug. 14, 1951.
Unit of medication. Smith, Kline & French Laboratories. 552,546, Dec. 25; Serial No. 607,101, published Aug. 21, 1951.
Vitamin-mineral capsule. Special Milk Products, Inc. 552,540, Dec. 25; Serial No. 606,574, published Aug. 14, 1951.
Vitamin preparation. Sharp & Dohme, Incorporated. 552,541, Dec. 25; Serial No. 606,730, published Aug. 14, 1951.
Vitamin preparations, laxatives, germicides, etc. Jordan Marsh Company. 552,464, Dec. 25; Serial No. 585,176, published Sept. 11, 1951.
Wheat germ complex for medical use. Flint, Eaton and Company. 552,455, Dec. 25; Serial No. 581,656, published Aug. 21, 1951.

CLASS 19

Airplanes and parts thereof. Douglas Aircraft Company, Inc. 552,486, Dec. 25; Serial No. 595,312, published Sept. 11, 1951.
Airplanes and structural parts thereof. Piper Aircraft Corporation. 552,470, Dec. 25; Serial No. 587,501, published Sept. 18, 1951.
Automobile accessories. Williams & Bennett Co. 552,426, Dec. 25; Serial No. 565,028, published Sept. 11, 1951.
Automobile bodies, truck bodies and structural parts thereof. Boyertown Auto Body Works, Inc. 552,588, Dec. 25; Serial No. 515,977.
Automobile floor mats and accelerator pedal pads. Carco Products Company. 552,548, Dec. 25; Serial No. 607,115, published Sept. 11, 1951.
Bicycles. Monark Silver King, Inc. 552,498–9, Dec. 25; Serial Nos. 598,667–8, published Sept. 11, 1951.
Drag links and tie rod ends. Barmatic Products Company. 552,525, Dec. 25; Serial No. 604,515, published Sept. 4, 1951.
Hood ornament for automobiles. Controla Manufacturing Co. 552,560, Dec. 25; Serial No. 608,492, published Sept. 4, 1951.
Trailers; truck bodies; and trailer axles. Cochran & Celli. 552,555, Dec. 25; Serial No. 607,794, published Sept. 4, 1951.

CLASS 21

Batteries, Dry cell and flashlight. McCrory Stores Corporation. 552,432, Dec. 25; Serial No. 568,962, published July 24, 1951.
Electric cables and other electric conductors. Rockbestos Products Corporation. 288,952, Nov. 10, 1931. Republished Dec. 25.
Electric motors and electric switches. Walker-Turner Company, Inc. 343,576, Feb. 23, 1937. Republished Dec. 25.
Electrical apparatus. Industria e Comercio Assunção S. A. 552,419, Dec. 25; Serial No. 560,109, published June 26, 1951.
Furnaces, Electric industrial. Birmingham Electric Furnaces Ltd. 288,876, renewed Nov. 10, 1951. O. G. Dec. 25.
Heating apparatus, Electrically operated. L. Beck, Jr. 552,428, Dec. 25; Serial No. 566,206, published Sept. 25, 1951.
Humidifiers, Portable electrically operated. The A. C. Gilbert Company. 287,129, renewed Sept. 15, 1951. O. G. Dec. 25.
Lamps, Incandescent. Kooperativa Förbundet Förening U. P. A. 288,978, renewed Nov. 10, 1951. O. G. Dec. 25.
Receiving sets, Radio and television. Mayfair Purchasing Company, Inc. 537,849, Feb. 13, 1951. Canceled Oct. 19, 1951. O. G. Dec. 25.
Signal chimes, Electric, and electric door chimes. Edwards Company, Inc. 552,573, Dec. 25; Serial No. 611,734, published Sept. 25, 1951.
Wires and cables, Electrical. The American Steel and Wire Company of New Jersey. 552,574–5, Dec. 25; Serial Nos. 612,106–7, published Sept. 25, 1951.
Wires and cables, Electrical. The American Steel and Wire Company of New Jersey. 552,576, Dec. 25; Serial No. 612,109, published Sept. 25, 1951.

CLASS 22

Artificial bait. E. C. Gregg. 552,484, Dec. 25; Serial No. 593,537, published Sept. 4, 1951.
Basketball covers, football covers, and soccer ball covers. The Sun Rubber Company. 552,493, Dec. 25; Serial No. 597,237, published Sept. 4, 1951.
Basketball sets. The Vernon Company. 552,424, Dec. 25; Serial No. 564,486, published Sept. 4, 1951.
Billiard table cushions. The Brunswick-Balke-Collender Company. 552,577, Dec. 25; Serial No. 612,946, published Oct. 9, 1951.
Doll's accessory. Gem Rubber Corporation. 552,490, Dec. 25; Serial No. 596,277, published Sept. 11, 1951.
Dolls' beds. American Metal Specialties Corp. 552,608, Dec. 25; Serial No. 591,649.
Dolls, Dressed. Ruth Gibbs, Inc. 552,477, Dec. 25; Serial No. 591,531, published Sept. 4, 1951.
Doll's' nursing sets. American Metal Specialties Corp. 552,610, Dec. 25; Serial No. 592,293.
Fish lures, Artificial. Bud Stewart Tackle Company. 552,529, Dec. 25; Serial No. 604,936, published Sept. 11, 1951.
Fishing flies, Artificial. Wright & McGill Co. 552,619, Dec. 25; Serial No. 604,243.
Fishing tackle. Foster Leader and Tackle Co. 444,619, Dec. 25; Serial No. 506,219, published Sept. 4, 1951.
Toy rattles, roly poly toys, soft toys, etc. A. S. Lazarus & Co., Inc. 552,401, Dec. 25; Serial No. 451,628, published Sept. 11, 1951.

Tricycles, Children's, children's bicycles, etc. Stelber Cycle Corp. 552,502, Dec. 25; Serial No. 599,029, published Oct. 9, 1951.

CLASS 23

Plow blades, Steel. The Harriman Manufacturing Company. 444,511, June 12, 1951. Republished Dec. 25.
Razor blades. Probak Corporation. 286,983, renewed Sept. 8, 1951. O. G. Dec. 25.
Road oil distributors, embodying trucks, etc. E. D. Etnyre & Co. 385,947, Mar. 25, 1941. Republished Dec. 25.

CLASS 25

Locking closure caps. Stant Manufacturing Company. 552,411, Dec. 25; Serial No. 545,554, published Oct. 9, 1951.

CLASS 26

Apparatus and implements used in the preparation of or in connection with microscope slides. The Technicon Company. 552,570, Dec. 25; Serial No. 610,195, published Sept. 18, 1951.
Apparatus for collecting fractions or samples of materials. Technicon Chromatography Corporation. 552,450, Dec. 25; Serial No. 578,740, published Sept. 18, 1951.
Apparatus for measuring distance. Raytheon Manufacturing Company. 552,505, Dec. 25; Serial No. 599,190, published Sept. 18, 1951.
Binoculars and magnifiers. N. W. Edmund. 552,553, Dec. 25; Serial No. 607,582, published Sept. 18, 1951.
Camera film. Universal Camera Corporation. 552,566–7, Dec. 25; Serial Nos. 609,324–5, published Aug. 14, 1951.
Coin or token receiving and registering receptacles. Money-Meters, Inc. 552,515, Dec. 25; Serial No. 601,994, published Sept. 4, 1951.
Electrical psychophysical apparatus. Vector Manufacturing Company. 552,403, Dec. 25; Serial No. 517,096, published Sept. 4, 1951.
Electronic instruments. V. J. Marcellino. 552,433, Dec. 25; Serial No. 569,005, published Aug. 21, 1951.
Encased set of instruments for mechanical drawing. The Frederick Post Company. 552,465, Dec. 25; Serial No. 585,526, published Sept. 11, 1951.
Flash attachment for cameras. The Bennett Corporation. 552,578, Dec. 25; Serial No. 614,184, published Oct. 9, 1951.
Gauge, Button. K. R. Wilson. 552,485, Dec. 25; Serial No. 594,936, published Sept. 11, 1951.
Glasses, Binocular, field glasses, opera or theatre glasses, etc. Thalson Company. 552,436, Dec. 25; Serial No. 570,734, published Sept. 11, 1951.
Indicating and/or recording instruments; controlling instruments; anemographs; etc. Bendix Aviation Corporation. 552,482, Dec. 25; Serial No. 593,159, published Sept. 18, 1951.
Measuring and indicating devices. Wm. W. Nugent & Co., Inc. 552,537, Dec. 25; Serial No. 606,164, published Sept. 4, 1951.
Measuring or laboratory equipment. G. R. McDonald. 552,474, Dec. 25; Serial No. 589,102, published Aug. 21, 1951.
Measuring pump, Air cylinder powered. Milton Roy Company. 552,506, Dec. 25; Serial No. 599,194, published Sept. 11, 1951.
Meter, Photoelectric exposure. Mitropa Corporation of New York. 552,519, Dec. 25; Serial No. 602,812, published Sept. 25, 1951.
Microscope slides, microscope cover glasses. Clay-Adams Company, Inc. 552,501, Dec. 25; Serial No. 598,981, published Sept. 18, 1951.
Moving pictures, Educational. Wyeth Incorporated. 552,551, Dec. 25; Serial No. 607,467, published Sept. 18, 1951.
Ophthalmic frames and mountings. American Optical Company. 552,478, Dec. 25; Serial No. 591,541, published Sept. 26, 1950.
Optical lenses and devices. Swain Nelson Company. 552,418, Dec. 25; Serial No. 559,188, published Sept. 11, 1951.
Photofluorographic X-ray machines. The Kelly-Koett Manufacturing Company. 444,622, Dec. 25; Serial No. 516,201, published Sept. 11, 1951.
Photograph trim indicators. M. C. Byrum. 552,563, Dec. 25; Serial No. 609,120, published Sept. 11, 1951.
Photographic flood lamps. Artco Products Corporation. 552,616, Dec. 25; Serial No. 600,319.
Series of motion picture films. RKO-Pathe Inc. 552,572, Dec. 25; Serial No. 611,721, published Sept. 18, 1951.
Sunglasses and eyeglasses, goggles, etc. Karol Sunglass Co. 552,611, Dec. 25; Serial No. 594,347.
Sunglasses and goggles. Bachmann Bros., Inc. 552,565, Dec. 25; Serial No. 609,276, published Sept. 18, 1951.
Tabulators and counters. The Denominator Company. 552,491, Dec. 25; Serial No. 596,781, published Aug. 21, 1951.
Temperature control and regulating systems. General Controls Co. 552,414, Dec. 25; Serial No. 553,845, published Sept. 4, 1951.
Temperature control and regulating systems. General Controls Co. 552,415, Dec. 25; Serial No. 553,847, published Sept. 4, 1951.
Thermostatic-electric control units. Hoffman Specialty Company. 552,440, Dec. 25; Serial No. 571,142, published Aug. 21, 1951.

CLASS 28

Buttons, pins and badges, Lapel, etc. The National Exchange Club. 552,622, Dec. 25; Serial No. 610,292.
Silverware. Weidlich Sterling Spoon Co. 429,924, May 27, 1947. Canceled Nov. 16, 1951. O. G. Dec. 25.

CLASS 32

Bed and divan, Combination. Burton-Dixie Corporation. 552,509, Dec. 25; Serial No. 600,025, published Oct. 9, 1951.
Cabinets, Bathroom utility. Garner & Co. 552,561, Dec. 25; Serial No. 608,602, published Oct. 2, 1951.
Cabinets, Medicine. Hall-Mack Company. 552,422, Dec. 25; Serial No. 563,046, published Oct. 2, 1951.
Chairs and tables, Baby. Babyhood Industries, Inc. 552,511, Dec. 25; Serial No. 601,188, published Oct. 2, 1951.
Chairs, Various types of, seating and other furniture, etc. American Seating Company. 552,531, Dec. 25; Serial No. 605,457, published Oct. 9, 1951.
Counter tops for kitchen cabinets. Mullins Manufacturing Corporation. 552,564, Dec. 25; Serial No. 609,250, published Oct. 9, 1951.
Crib, go-cart and carriage, Combination baby's. E. V. Conrad and E. V. Whallon. 552,599, Dec. 25; Serial No. 575,197.
Furniture. Grand Rapids Furniture Makers Guild. 552,585, Dec. 25; Serial No. 595,953, published Oct. 2, 1951.
Furniture, Jamestown Table Company. 552,545, Dec. 25; Serial No. 606,976, published Oct. 2, 1951.
Furniture, Juvenile. W. Boyd. 552,536, Dec. 25; Serial No. 606,129, published Oct. 2, 1951.
Hard, flat plastic sheets, for covering table, counter and cabinet tops. Decar, Inc. 552,423, Dec. 25; Serial No. 563,913, published Oct. 2, 1951.
Mattresses. Inland Bed Company. 552,453, Dec. 25; Serial No. 580,137, published July 25, 1950.
Mattresses, pillows, wood bedsteads, etc. William S. Toms, Limited. 552,513, Dec. 25; Serial No. 601,655, published Oct. 9, 1951.
Metal display devices for postcards, etc. Curt Teich & Company. 552,559, Dec. 25; Serial No. 608,388, published Oct. 2, 1951.
Pads containing hair, used for cushions, etc. Armour and Company. 552,448, Dec. 25; Serial No. 577,930, published Oct. 2, 1951.
Shade rollers, Wooden and laminated. The Columbia Mills, Inc. 552,562, Dec. 25; Serial No. 609,077, published Oct. 9, 1951.
Spring assemblies for mattresses. Nachman Corporation. 552,449, Dec. 25; Serial No. 578,277, published Oct. 2, 1951.
Tables, Folding, and folding chairs. The James P. Luxem Co. 552,510, Dec. 25; Serial No. 601,110, published Oct. 9, 1951.

CLASS 33

Glass bottles. Thatcher Glass Manufacturing Company, Inc. 552,590, Dec. 25; Serial No. 558,328.

CLASS 34

Globes and reflectors, Metal and combination glass and metal. Holophane Company, Inc. 286,611, renewed Sept. 1, 1951. O. G. Dec. 25.
Heaters, Water. R. Merfish. 352,980, Dec. 21, 1937. Canceled Oct. 12, 1951. O. G. Dec. 25.
Heating, ventilating and air conditioning apparatus, Engineaire, Inc. 437,575, Mar. 30, 1948. Republished Dec. 25.
Lighters, Pyrophoric, and part thereof. National Jewel Distributors, Inc. 427,813, Feb. 25, 1947. Republished Dec. 25.

CLASS 35

Brake linings, Fiber block, transmission linings, etc. Markt & Hammacher Company. 552,569, Dec. 25; Serial No. 610,085, published Oct. 9, 1951.
Gaskets, High pressure metal. H. M. Smith. 444,621, Dec. 25; Serial No. 514,913, published Aug. 17, 1948.
Washers, Bibb, gaskets, spud washers, etc. Leader Specialty Company. 552,405, Dec. 25; Serial No. 531,921, published Oct. 9, 1951.

CLASS 36

Phonograph records, Grooved. G. W. Adams, F. L. Jandron, A. Pittman, L. I. Gwalter, and C. B. Craig. 552,463, Dec. 25; Serial No. 584,741, published Oct. 9, 1951.

CLASS 37

Paper, Bleached kraft. Nekoosa-Edwards Paper Company. 286,911, renewed Sept. 8, 1951. O. G. Dec. 25.
Paper, Kraft. Nekoosa-Edwards Paper Company. 286,897, renewed Sept. 8, 1951. O. G. Dec. 25.

CLASS 39

Dresses, suits, jackets, etc., Ladies' and misses'. F. M. Burns. 524,284, Apr. 18, 1950. Canceled Nov. 16, 1951. O. G. Dec. 25.
Gloves and mittens. The Boss Manufacturing Company. 552,420–1, Dec. 25; Serial Nos. 560,175–6, published July 19, 1949.
Hosiery. Elliott Knitting Mills, Inc. 552,407, Dec. 25; Serial No. 539,294, published Oct. 2, 1951.
Hosiery. Gotham Silk Hosiery Company, Inc. 287,799, renewed Oct. 13, 1951. O. G. Dec. 25.
Hosiery. Thomas Hosiery Company, Inc. 552,524, Dec. 25; Serial No. 604,165, published Oct. 9, 1951.
Hosiery, Ladies'. Reamstown Hosiery Mills, Inc. 552,512, Dec. 25; Serial No. 601,465, published Oct. 2, 1951.
Hosiery, Women's. Burcon Hosiery Mills, Inc. 552,558, Dec. 25; Serial No. 608,195, published Oct. 2, 1951.
Hosiery, Women's. Lilly Dache, Inc. 552,522, Dec. 25; Serial No. 603,114, published Sept. 25, 1951.
Pants, Baby. Rand Rubber Company, Inc. 552,413, Dec. 25; Serial No. 550,553, published Oct. 2, 1951.
Shirts, Sport and dress, etc. M. Flamberg. 427,158, Jan. 28, 1947. New certificate. O. G. Dec. 25.
Shoes, Men's and women's out door. Julius Goldstein & Sons Co. 552,408, Dec. 25; Serial No. 540,663, published Sept. 4, 1951.
Undershorts, Men's. Saluda Corporation. 552,523, Dec. 25; Serial No. 603,839, published Oct. 2, 1951.

CLASS 42

Burlap, cotton sheeting, and osnaburgs in the piece. R. C. Hyland. 276,241, Oct. 14, 1930. Republished Dec. 25.
Fabrics, Dyed and finished. P-V-M Corporation. 512,956, July 26, 1949. Canceled Nov. 16, 1951. O. G. Dec. 25.
Piece goods, Cotton. Albert H. Vandam Co. Inc. 287,841, renewed Oct. 13, 1951. O. G. Dec. 25.
Piece goods, Linen, rayon piece goods, cotton piece goods, etc. The Old Bleach Linen Company, Limited. 552,444, Dec. 25; Serial No. 575,370, published Sept. 4, 1951.
Piece goods, Woolen, merino and cashmere. Societe Rodier. 160,673, renewed Oct. 24, 1942. O. G. Dec. 25.

CLASS 44

Acrylic material. The Motloid Company. 552,600, Dec. 25; Serial No. 577,543.
Clinical head lamps. Cameron Surgical Specialty Company. 552,592, Dec. 25; Serial No. 565,313.
Mechanical exercising apparatus. Wiltse Laboratories, Inc. 552,507, Dec. 25; Serial No. 599,405, published Sept. 11, 1951.
Medical apparatus. Ultrasonic Medical Equipment Corporation. 552,518, Dec. 25; Serial No. 602,477, published Sept. 11, 1951.
Nursing unit. Steri-Seal Company, Inc. 552,595, Dec. 25; Serial No. 567,915.
Sanitary napkin-holding panties. Joan-Doug Undergarment Co., Inc. 552,590, Dec. 25; Serial No. 598,856, published Sept. 25, 1951.
Scalpels; elastic and non-elastic bandages; etc. Institutional Products Company. 552,417, Dec. 25; Serial No. 555,522, published Sept. 25, 1951.
Surgical bandages, Unmedicated. The Scholl Mfg. Co., Inc. 552,598, Dec. 25; Serial No. 574,641.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. N. H. Darsky. 314,439, June 26, 1934. Canceled Nov. 16, 1951. O. G. Dec. 25.

CLASS 46

Apples, Fresh. Tonasket Ellis-Forde Growers, Inc. 552,533, Dec. 25; Serial No. 605,815, published Sept. 11, 1951.
Candy tablets. Elsa G. Mueller. 287,166, renewed Sept. 15, 1951. O. G. Dec. 25.
Canned fish. Getz Bros. & Co. 552,550, Dec. 25; Serial No. 607,249, published Sept. 18, 1951.
Canned fish. Hovden Food Products Corporation. 552,473, Dec. 25; Serial No. 588,690, published Aug. 7, 1951.
Canned fish. Sunset Packing Co., Inc. 552,442, Dec. 25; Serial No. 574,065, published Sept. 18, 1951.
Canned fish. Arnold Vogl. 552,461, Dec. 25; Serial No. 582,713, published Sept. 18, 1951.
Canned fish. Whiz Fish Products Company, Inc. 504,706, Dec. 7, 1948. Canceled Nov. 16, 1951. O. G. Dec. 25.
Canned foods. Alianca Exportadora, Limitada. 552,495, Dec. 25; Serial No. 597,568, published Sept. 18, 1951.
Canned mushrooms, canned fruits, etc. Von Bremen, Asche, De Bruyn, Inc. 289,589, renewed Dec. 1, 1951. O. G. Dec. 25.
Canned pineapple. Hidalgo Distributing Company. 552,605, Dec. 25; Serial No. 585,707.
Canned soups and canned chow mein. Clayco Foods, Inc. 552,623, Dec. 25; Serial No. 610,672.
Canned vegetables. Bennett-Ray Canning Company. 552,534, Dec. 25; Serial No. 605,983, published Aug. 14, 1951.
Canned vegetables, canned fruits, etc. M. E. Horton, Inc. 286,771, renewed Sept. 1, 1951. O. G. Dec. 25.
Cereal breakfast foods. 552,435, Dec. 25; Serial No. 570,367, published Sept. 25, 1951.
Cereals, Precooked, dried, canned vegetables and canned fruits. 552,521, Dec. 25; Serial No. 603,072, published Aug. 7, 1951.
Cheese food. Northfield Cheese Corporation. 552,538–9, Dec. 25; Serial Nos. 606,481–2, published Sept. 11, 1951.
Chewing gum. Gumakers of America, Inc. 552,593, Dec. 25; Serial No. 565,924.
Eggs, Dehydrated whole, dehydrated egg yolk, and dehydrated egg albumen. Joe Lowe Co., Inc. 291,072, renewed Jan. 26, 1952. O. G. Dec. 25.
Eggs, Fresh. Charles Polsky & Son. 552,601, Dec. 25; Serial No. 580,372.
Farina food. Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken. 552,438, Dec. 25; Serial No. 570,906, published Aug. 7, 1951.
Flour, Wheat. General Mills, Inc. 291,863, renewed Feb. 23, 1952. O. G. Dec. 25.
Flour, Wheat. The Mennel Milling Company. 552,481, Dec. 25; Serial No. 593,035, published Sept. 25, 1951.
Flour, Wheat, bran, corn meal, etc. The Loudonville Milling Company. 552,406, Dec. 25; Serial No. 522,734, published Sept. 18, 1951.
Fruits, Fresh citrus. Etiwanda Citrus Fruit Association. 552,439, Dec. 25; Serial No. 571,125, published Oct. 2, 1951.
Milk, Liquid. The American Jersey Cattle Club. 552,457, Dec. 25; Serial No. 582,336, published Sept. 4, 1951.
Mixture of ground coffee kernels, ground cacao kernels and salt. L. A. Saltz. 552,554, Dec. 25; Serial No. 607,604, published Sept. 18, 1951.
Pork products, Cured, boned, and smoked. Tobin Packing Co., Inc. 552,402, Dec. 25; Serial No. 513,593, published Sept. 11, 1951.
Potatoes, Fresh. Food Fair Stores, Inc. 552,427, Dec. 25; Serial No. 565,328, published Sept. 18, 1951.
Poultry and cattle pellets; rabbit pellets; hog feed pellets; etc. Puritan Mills. 552,410, Dec. 25; Serial No. 545,166, published Sept. 25, 1951.
Raw, whole yams. Dupuis Produce Company. 552,475, Dec. 25; Serial No. 589,959, published Aug. 7, 1951.
Rice, Milled. Baton Rouge Rice Mill, Inc. 552,535, Dec. 25; Serial No. 606,115, published Sept. 11, 1951.
Salad dressing. Fuller-Foreman Foods Company, Inc. 552,591, Dec. 25; Serial No. 562,353.
Shrimp, Processed. Deepsouth Packing Company. 534,935, Dec. 19, 1950. New certificate. O. G. Dec. 25.
Vegetables, Fresh. E. J. Pryor. 552,556, Dec. 25; Serial No. 608,079, published Sept. 11, 1951.

CLASS 49

Whiskey, Blended bourbon, and blended rye whiskey. L. J. Miller. 312,844, May 8, 1934. Canceled Nov. 16, 1951. O. G. Dec. 25.

CLASS 51

Cosmetics. Alexandra de Markoff, Inc. 280,660, renewed Feb. 24, 1951. O. G. Dec. 25.
Deodorant cream. Carter Products, Inc. 552,620, Dec. 25; Serial No. 606,269.
Hair conditioning cream. Relax-O Co. 552,451, Dec. 25; Serial No. 578,855, published Sept. 18, 1951.
Hair conditioning creme. Milbern Laboratories, Inc. 552,466, Dec. 25; Serial No. 585,596, published Sept. 18, 1951.
Hair tinting powder. The Nestle-Le Mur Company. 552,557, Dec. 25; Serial No. 608,121, published Sept. 4, 1951.
Lipsticks. Elizabeth Arden, Inc. 289,494, renewed Dec. 1, 1951. O. G. Dec. 25.
Perfumes. The C. B. Woodworth Sons Co. 55,630, Aug. 21, 1906. New certificate. O. G. Dec. 25. (Formerly Class 6.)
Perfumes and toilet waters. Manufacturers and Importers of French Perfumes, Inc. 552,508, Dec. 25; Serial No. 599,445, published Sept. 25, 1951.
Perfumes, etc. The C. B. Woodworth Sons Co. 75,597, Oct. 26, 1909. New certificate. O. G. Dec. 25. (Formerly Class 6.)
Preparation for holding dentures in place while in use. Plasti-Liner Co., Inc. 552,480, Dec. 25; Serial No. 592,406, published Sept. 18, 1951.
Rouge. Elizabeth Arden, Inc. 290,207, renewed Dec. 22, 1951. O. G. Dec. 25.
Rouge. Bjarne Askvold. 552,606, Dec. 25; Serial No. 586,458.
Toilet cream. The C. B. Woodworth Sons Co. 70,935, Oct. 20, 1908. New certificate. O. G. Dec. 25. (Formerly Class 6.)
Tooth powder, bath powder, enema powder, etc. R. Wilke. 287,479, renewed Sept. 29, 1951. O. G. Dec. 25.

CLASS 52

Cleaner, Sudsing, cleanser, and detergent. Colgate-Palmolive-Peet Company. 552,459, Dec. 25; Serial No. 582,675, published Oct. 2, 1951.
Cleaning preparation. The Cramer Chemical Company. 552,597, Dec. 25; Serial No. 574,212.
Cleaning preparation. Rumford Chemical Works. 290,450, renewed Jan. 5, 1952. O. G. Dec. 25.

Cleaning solution, Electric shaver. J. A. Buer. 552,615, Dec. 25; Serial No. 595,120.
Cleansing compound. Philadelphia Quartz Company. 292,106, renewed Mar. 1, 1952. O. G. Dec. 25.
Detergent. National Milling & Chemical Co. 552,614, Dec. 25; Serial No. 594,983.
Detergent, General purpose soapless. L. C. Schrack. 552,497, Dec. 25; Serial No. 598,608, published Oct. 2, 1951.
Detergent, Synthetic. Armour and Company. 552,456, Dec. 25; Serial No. 581,793, published Oct. 2, 1951.
Preparations for the treatment of hair. Raymond Laboratories, Inc. 552,496, Dec. 25; Serial No. 598,022, published Oct. 2, 1951.
Soap powder. The Cudahy Packing Co. 444,620, Dec. 25; Serial No. 506,584, published Oct. 2, 1951.
Soap, Toilet. Bathasweet Corporation. 552,431, Dec. 25; Serial No. 568,232, published Oct. 2, 1951.
Solvent compound, Drain pipe. Metropolitan Refining Co., Inc. 552,452, Dec. 25; Serial No. 579,991, published Oct. 2, 1951.

CLASS 100

Advising and assisting in planning of debuts and weddings. The Blum Store. 552,580, Dec. 25; Serial No. 540,767, published Oct. 9, 1951.

CLASS 101

Procuring placement in newspapers, in radio programs, etc. Special Correspondents, Inc. 552,581–2, Dec. 25; Serial Nos. 570,587–8, published Oct. 9, 1951.

CLASS 104

Radio program broadcasting services. Veterans Broadcasting Company. 552,583, Dec. 25; Serial No. 570,745, published Oct. 9, 1951.

CLASS 107

Entertainment service. The Bories Organization, Incorporated. 552,584, Dec. 25; Serial No. 595,186, published Oct. 9, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Autogiro Company of America, assignee: *See*—
Pullin, Cyril G.

Boyle, John, Jr., assignee: *See*—
Orrison, Kelvin T.

Jennings, Frank G., assignee: *See*—
Orrison, Kelvin T.

Orrison, Kelvin T., assignor of two-eighths to J. Boyle, Jr., and three-eighths to F. G. Jennings, Washington, D. C. Ice product and making the same. Re. 23,446, Dec. 25.

Pruitt, Virgil H., Snow Hill, Md. Watering device. Re. 23,447, Dec. 25.

Pullin, Cyril G., Moseley, Birmingham, England, assignor, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Helicopter with jet-driven lift rotor. Re. 23,448, Dec. 25.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,056, Dec. 25.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,057, Dec. 25.

De Ruiter, Gerrit, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,058, Dec. 25.

Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.
De Ruiter, Gerrit.

LIST OF DESIGN PATENTEES

Barlow, George W., Aberdeen, Wash. Combination hat and clothes rack. 165,502, Dec. 25.

Barsotti, Nino, Pittsburgh, Pa. Toy jet propelled boat. 165,503, Dec. 25.

Bell, Julian B., Los Angeles, Calif. Slingshot. 165,504, Dec. 25.

Bernard Edward Co., assignee: *See*—
Yellin, Morris.

Bochner, Simon, Yonkers, assignor to Covington Fabrics Corporation, New York, N. Y. Fabric or the like. 165,505, Dec. 25.

Brenner, Bernice A., Hollywood, Fla. One-piece sun suit. 165,506, Dec. 25.

Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 165,507, Dec. 25.

Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 165,508, Dec. 25.

Bulova Watch Company, assignee: *See*—
Fachon, Emil E.

Calvin, Elizabeth C., Leawood, Kans. Vacuum clothes cleaner. 165,509, Dec. 25.

Chrysler Corporation, assignee: *See*—
Martin, Thomas L.
Stanley, Frank.

Cianciolo, Lawrence J., Milwaukee, Wis. Combination lamp and plant holder. 165,510, Dec. 25.

Clement, Theodore G., Rochester, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 165,511, Dec. 25.

Clement, Theodore G., Rochester, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Keyboard guard for a typewriting machine. 165,512, Dec. 25.

Clement, Theodore G., Rochester, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Front plate for a typewriting machine. 165,513, Dec. 25.

Copper Clad Products, Inc., assignee: *See*—
Schoor, Samuel.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cosby, Eric L. H., assignor to G. B. Kent & Sons Limited, London, England. Hairbrush. 165,514, Dec. 25.

Covington Fabrics Corporation, assignee: *See*—
Bochner, Simon.

Eckert, George E., assignor to Moe Light, Inc., Fort Atkinson, Wis. Window valance. 165,515, Dec. 25.

Eging, Henry B., Shaker Heights, Ohio. Wheeled carrier. 165,516, Dec. 25.

Everedy Company, The, assignee: *See*—
Lebherz, Harry J.

Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, New York, N. Y. Expansible link chain for a bracelet or the like. 165,517, Dec. 25.

Fink, Milton, Kewgarden Hills, N. Y. Deodorant holder or the like. 165,518, Dec. 25.

Fitzgerald, Robert H.: *See*—
Yecko, Albert S., and Fitzgerald.

Francis, George A., Baldwin Park, Calif. Tray. 165,519, Dec. 25.

Gierke, Carl F., assignor to Grand Chapter of Indiana, Order Eastern Star, Indianapolis, Ind. Brooch or similar article. 165,520, Dec. 25.

Grand Chapter of Indiana, Order Eastern Star, assignee: *See*—
Gierke, Carl F.

Hagerstown Leather Company, The, assignee: *See*—
Thomas, Harry I.

Helander, Lillian V. M., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 165,521, Dec. 25.

Higginson, George J. Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, Stoke-on-Trent, England. Plate or similar article. 165,522, Dec. 25.

Iannelli, Alfonso, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Knife sharpener. 165,523, Dec. 25.

International Silver Company, The, assignee: *See*—
Helander, Lillian V. M.

Jacoby-Bender, Inc., assignee: *See*—
Rodriguez, Emil.

Johnson Bros. (Hanley) Limited, assignee: *See*—
Higginson, George J.

Johnson, Letcher F., Opelika, Ala. Model airplane. 165,524, Dec. 25.

Junghans, Max, Boonton, N. J., assignor to Van Raalte Company, Inc., New York, N. Y. Lace top stocking. 165,525, Dec. 25.

Kafer, Clare H., Palmyra, assignor to Revco, Inc., Deerfield, Mich. Handle for refrigerated cabinets. 165,526, Dec. 25.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,527, Dec. 25.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,528, Dec. 25.

Kent, G. B., & Sons Limited, assignee: *See*—
Cosby, Eric L. H.

Kitterman, Donald M., Kansas City, Kans. Fishing rod handle. 165,529, Dec. 25.

Lasecki, John P., Milwaukee, Wis. Christmas tree stand. 165,530, Dec. 25.

Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Corn popper. 165,531, Dec. 25.

Lind, George J., Balboa, Calif. Combined soap dish, grab bar, and collapsible shelf for shower stalls. 165,532, Dec. 25.

Lowres, Bert J., East Orange, N. J. Sun glasses. 165,533, Dec. 25.

Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,534, Dec. 25.

MacPherson, Warren, Cambridge, Mass. Combined sole and heel unit for footwear. 165,535, Dec. 25.

Marchant Calculating Machine Company, assignee: *See*—
Sinel, Joseph C.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Leffler, Marlin T.

Abgarian, Aram, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,580,265, Dec. 25.

Abgarian, Aram, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,580,266, Dec. 25.

Abgarian, Aram, assignor to Detroit Harvester Company, Detroit, Mich. Mower mounting. 2,580,267, Dec. 25.

Achen, Robert K., Los Angeles, Calif. Perforated board and push pin for a salvo game. 2,579,454, Dec. 25.

Achler, Maurice E., and A. H. Milstine, assignors to Associated Venetian Blind Manufacturing Company, Chicago, Ill. Window ventilator. 2,580,268, Dec. 25.

Ackerman, Virgil D.: *See*—
Phillips, Harold P., and Ackerman.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic tapping device. 2,580,061, Dec. 25.

Adams, Cecil E., V. V. Blasutta, and H. V. Mog, assignors to The Denison Engineering Company, Columbus, Ohio. Hydraulic press with servo control. 2,580,062, Dec. 25.

Adams, Cecil E., Columbus, H. V. Mills, Piqua, and V. V. Blasutta, assignors to The Denison Engineering Company, Columbus, Ohio. Control mechanism for fluid motors. 2,580,063, Dec. 25.

Adams, Charles A., Tampa, Fla. Battery cart. 2,579,639, Dec. 25.

Adams, Frank, Brooklyn, N. Y. Mold for forming a precut ice cream cake. 2,579,640, Dec. 25.

Adler, Richard M.: *See*—
Rutledge, Howard C., and Adler.

Aebi, Otto, Yverdon, assignor to Paillard S. A., Sainte-Croix, Switzerland. Margin stop position indicator for typewriters. 2,580,211, Dec. 25.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Alderton, Gordon, and Fevold.
Hansen, John E., and Dietz.
Vix, Henry L. E., Spadaro, Pollard, Gastrock, Persell, and Murphy.

Aikman, Burton S., St. Petersburg, Fla., assignor to Westinghouse Air Brake Company. Fluid compressor and cooling apparatus therefor. 2,580,341, Dec. 25.

Aircraft-Marine Products Inc., assignee: *See*—
Watts, William S.

Akey, Richard P., assignor to Hobbs Manufacturing Company, Fort Worth, Tex. Vehicle side rack. 2,579,774, Dec. 25.

Aktiebolaget Åtvidabergs Industries, assignee: *See*—
Liljeström, Gustaf V.

Aktiebolaget Ferrosan, assignee: *See*—
Rosdahl, Karl-Gustaf.

Aktiebolaget Kanthal, assignee: *See*—
Hägglund, Erik H. Mattiasson, and Rehnqvist.

Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Hjärpe, Eric G.

Albright, Franklin C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure operated steering device. 2,580,064, Dec. 25.

Alderton, Gordon, Albany, and H. L. Fevold, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Crystallization of lysozyme from egg white. 2,579,455, Dec. 25.

Aldrich, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Spring unit for stripper devices. 2,579,641, Dec. 25.

Alger, John, Lakewood, Colo. Device for releasing stuck rock drill steels. 2,579,533, Dec. 25.

Allen, Chas. G., Co., assignee: *See*—
Allen, Robert H.

Allen, Earl M., Chicago, Ill., assignor to Westinghouse Air Brake Company. Route circuit network control apparatus for railway signals. 2,580,150, Dec. 25.

Allen, Frank B., Towaco, and N. H. Siebens, East Orange, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Discharge valve with floating check. 2,579,457, Dec. 25.

Allen, Howard G., and W. O. Sims, Niagara Falls, and E. A. Ebert, Snyder, assignors, by mesne assignments, to American Machine and Foundry Company, New York, N. Y. Machine for applying banding sleeves to containers. 2,579,458, Dec. 25.

Allen, John W., assignor to J. H. Wiggins, Chicago, Ill. Dry seal pressure type gas holder. 2,579,776, Dec. 25.

Allen, Kenneth R., Ridgewood, and H. G. Vore, Forest Hills, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Capping head. 2,579,775, Dec. 25.

Allen, Robert H., assignor to Chas. G. Allen Co., Barre, Mass. Drill press. 2,579,459, Dec. 25.

Allen, Robert L., Atlanta, Ga. Automatic brake for fishing reels. 2,579,532, Dec. 25.

Allen, William S., Pittsburgh, Pa., assignor to United States Steel Company. Surface lubrication of metal products. 2,579,777, Dec. 25.

Allen, William S., Pittsburgh, Pa., assignor to United States Steel Company. Surface lubrication of metal products. 2,579,778, Dec. 25.

Aller, Willis F., and D. H. McConnell, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,580,342, Dec. 25.

Allgaier, Earl, Arlington County, Va. Color vision testing device. 2,579,779, Dec. 25.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Johnson, William C.
Ray, James L.
Roubal, Alexander J.

Alvarez, Octavio J., assignor, by mesne assignments of one-fourth to Maria De Reitzes-Marienwert, New York, N. Y. Electrical connector. 2,580,269, Dec. 25.

American Can Company, assignee: *See*—
Birkland, Stellan.

American Cyanamid Company, assignee: *See*—
Dixon, James K.
Lecher, Hans Z., and Eberhart.
Lindenfelser, Richard, and Michaud.
Post, Earl E., and Oldham.
Spencer, Frank R.
Varela, Andrew A., and Schupp.

American Electric Furnace Inc., assignee: *See*—
Warren, Gilman G.

American Felt Company, assignee: *See*—
Lehmberg, William H.

American Hardware Corporation, The, assignee: *See*—
McConnell, Frank.

American Laundry Machinery Company, The, assignee: *See*—
Malott, Clifton S., Jr.

American Machine and Foundry Company, assignee: *See*—
Allen, Howard G., Sims, and Ebert.

American Seal-Kap Corporation of Delaware, assignee: *See*—
Allen, Kenneth R., and Vore.

American Seating Company, assignee: *See*—
Oom, Benjamin J., Tinklepaugh and Westen.

American Time Corporation, assignee: *See*—
Duvall, Gordon F.

American Viscose Corporation, assignee: *See*—
Castellan, Carl A.

Anderson, Benjamin T., Stratford, and W. A. Welch, New Haven, assignors to United Aircraft Corporation, East Hartford, Conn. Flap mechanism. 2,579,534, Dec. 25.

Anderson Brass Company, assignee: *See*—
Conant, Neil R.

Anderson, Clayton W., East Huntingdon Township, assignor to K. S. Anderson, Scottdale, Pa. Plug valve actuator. 2,580,212, Dec. 25.

Anderson, Kathryn S., assignee: *See*—
Anderson, Clayton W.

Anderson, Lindson P.: *See*—
Sifferd, Robert H., and Anderson.

Anderssen, Ralph I., Schenectady, N. Y. Condiment holder supporting bracket. 2,579,895, Dec. 25.

Andresen, John H., Jr.: *See*—
Carbonara, Victor E., and Andresen.

Andrus, Elwin A., assignee: *See*—
Bierce, Burton B.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Fawcett, Eric W. M., and Millien.
MacLean, Thomas T.

Anker-Werke, A. G., assignee: *See*—
Aurbach, Kurt.

Anstett, Edgar P., Chicago, Ill. Nailing machine. 2,580,065, Dec. 25.

Archidiacano, Nicholas, Boston, Mass. Nonrefillable container. 2,579,460, Dec. 25.

Armour and Company, assignee: *See*—
Sifferd, Robert H., and Anderson.

Marshall, Oren B., Kansas City, Mo. Combination kitchen cabinet and breakfast table. 165,536, Dec. 25.
Martin, Thomas L., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 165,537, Dec. 25.
Mee Light, Inc., assignee: *See*—
Eckert, George E.
Moore, Jasper A., Houston, Tex. Ash tray. 165,538, Dec. 25.
Morgan, Carlos B., Goshen, Ind., assignor to Penn Controls, Inc. Thermostat casing. 165,539, Dec. 25.
National Lock Company, assignee: *See*—
Stone, Roy A.
Neal, Bob, Hot Springs, Ark. Purse. 165,540, Dec. 25.
Oster, John, Manufacturing Company, assignee: *See*—
Iannelli, Alfonso.
Penn Controls, Inc., assignee: *See*—
Morgan, Carlos B.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 165,541, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 165,542, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 165,543, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 165,544, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 165,545, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 165,546, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 165,547, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 165,548, Dec. 25.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman Fishel, Inc., New York, N. Y. Bracelet or the like. 165,549, Dec. 25.
Prouty, Lawrence R., New York, N. Y. Electric typewriter. 165,550, Dec. 25.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Spence, John H.
Revco, Inc., assignee: *See*—
Kafer, Clare H.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 165,551, Dec. 25.
Rotkel, Lilly K., New York, N. Y. Handbag. 165,552, Dec. 25.
Schoor, Samuel, assignor, by mesne assignments, to Copper Clad Products, Inc., Newark, N. J. Rack or similar article. 165,553, Dec. 25.
Schukat, Adolph, Chicago, Ill. Combined sewing machine cabinet and chair therefor. 165,554, Dec. 25.
Shafer, Arthur C., Cincinnati, Ohio. Combined fishing rod and reel. 165,555, Dec. 25.
Shedd, Charles L., Girardville, Pa. Card shuffling aid. 165,556, Dec. 25.
Sinel, Joseph C., San Francisco, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 165,557, Dec. 25.
Smith, L. C., & Corona Typewriters, Inc., assignee: *See*—
Clement, Theodore G.
Sorrentino, Vincent, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring. 165,558, Dec. 25.
Spence, John H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle door panel or similar article. 165,559, Dec. 25.
Stanley, Frank, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile fender. 165,560, Dec. 25.
Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Oven door handle. 165,561, Dec. 25.
Thomas, Harry I., assignor to The Hagerstown Leather Company, Hagerstown, Md. Utility purse. 165,562, Dec. 25.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Turnbull, Alice L., Vienna, Va. Stool. 165,563, Dec. 25.
Uncas Manufacturing Company, assignee: *See*—
Sorrentino, Vincent.
Van Raalte Company, Inc., assignee: *See*—
Junghans, Max.
Van Veen, Anton, Canton Center, Conn. Counter. 165,564, Dec. 25.
White, Virginia A., Dallas, Tex. Lipstick tray. 165,565, Dec. 25.
Yecko, Albert S., and R. H. Fitzgerald, Pittsburgh, Pa. Drinking cup. 165,566, Dec. 25.
Yellin, Morris, assignor to Bernard Edward Co., Chicago, Ill. Bird cage. 165,567, Dec. 25.
Zenith Radio Corporation, assignee: *See*—
Budlong, Robert D.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Leffler, Marlin T.
Abgarian, Aram, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,580,265, Dec. 25.
Abgarian, Aram, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,580,266, Dec. 25.
Abgarian, Aram, assignor to Detroit Harvester Company, Detroit, Mich. Mower mounting. 2,580,267, Dec. 25.
Achen, Robert K., Los Angeles, Calif. Perforated board and push pin for a salvo game. 2,579,454, Dec. 25.
Achler, Maurice E., and A. H. Milstine, assignors to Associated Venetian Blind Manufacturing Company, Chicago, Ill. Window ventilator. 2,580,268, Dec. 25.
Ackerman, Virgil D.: *See*—
Phillips, Harold P., and Ackerman.
Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic tapping device. 2,580,061, Dec. 25.
Adams, Cecil E., V. V. Blasutta, and H. V. Mog, assignors to The Denison Engineering Company, Columbus, Ohio. Hydraulic press with servo control. 2,580,062, Dec. 25.
Adams, Cecil E., Columbus, H. V. Mills, Piqua, and V. V. Blasutta, assignors to The Denison Engineering Company, Columbus, Ohio. Control mechanism for fluid motors. 2,580,063, Dec. 25.
Adams, Charles A., Tampa, Fla. Battery cart. 2,579,639, Dec. 25.
Adams, Frank, Brooklyn, N. Y. Mold for forming a precut ice cream cake. 2,579,640, Dec. 25.
Adler, Richard M.: *See*—
Rutledge, Howard C., and Adler.
Aebi, Otto, Yverdon, assignor to Paillard S. A., Sainte-Croix, Switzerland. Margin stop position indicator for typewriters. 2,580,211, Dec. 25.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Alderton, Gordon, and Fevold.
Hansen, John E., and Dietz.
Vix, Henry L. E., Spadaro, Pollard, Gastrock, Persell, and Murphy.
Aikman, Burton S., St. Petersburg, Fla., assignor to Westinghouse Air Brake Company. Fluid compressor and cooling apparatus therefor. 2,580,341, Dec. 25.
Aircraft-Marine Products Inc., assignee: *See*—
Watts, William S.
Akey, Richard P., assignor to Hobbs Manufacturing Company, Fort Worth, Tex. Vehicle side rack. 2,579,774, Dec. 25.
Aktiebolaget Åtvidabergs Industries, assignee: *See*—
Liljeström, Gustaf V.
Aktiebolaget Ferrosan, assignee: *See*—
Rosdahl, Karl-Gustaf.
Aktiebolaget Kanthal, assignee: *See*—
Hägglund, Erik H. Mattiasson, and Rehnqvist.
Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Hjärpe, Eric G.
Albright, Franklin C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure operated steering device. 2,580,064, Dec. 25.
Alderton, Gordon, Albany, and H. L. Fevold, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Crystallization of lysozyme from egg white. 2,579,455, Dec. 25.
Aldrich, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Spring unit for stripper devices. 2,579,641, Dec. 25.
Alger, John, Lakewood, Colo. Device for releasing stuck rock drill steels. 2,579,533, Dec. 25.
Allen, Chas. G., Co., assignee: *See*—
Allen, Robert H.
Allen, Earl M., Chicago, Ill., assignor to Westinghouse Air Brake Company. Route circuit network control apparatus for railway signals. 2,580,150, Dec. 25.
Allen, Frank B., Towaco, and N. H. Siebens, East Orange, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Discharge valve with floating check. 2,579,457, Dec. 25.
Allen, Howard G., and W. O. Sims, Niagara Falls, and E. A. Ebert, Snyder, assignors, by mesne assignments, to American Machine and Foundry Company, New York, N. Y. Machine for applying banding sleeves to containers. 2,579,458, Dec. 25.
Allen, John W., assignor to J. H. Wiggins, Chicago, Ill. Dry seal pressure type gas holder. 2,579,776, Dec. 25.
Allen, Kenneth R., Ridgewood, and H. G. Vore, Forest Hills, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Capping head. 2,579,775, Dec. 25.
Allen, Robert H., assignor to Chas. G. Allen Co., Barre, Mass. Drill press. 2,579,459, Dec. 25.
Allen, Robert L., Atlanta, Ga. Automatic brake for fishing reels. 2,579,532, Dec. 25.
Allen, William S., Pittsburgh, Pa., assignor to United States Steel Company. Surface lubrication of metal products. 2,579,777, Dec. 25.
Allen, William S., Pittsburgh, Pa., assignor to United States Steel Company. Surface lubrication of metal products. 2,579,778, Dec. 25.
Aller, Willis F., and D. H. McConnell, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,580,342, Dec. 25.
Allgaier, Earl, Arlington County, Va. Color vision testing device. 2,579,779, Dec. 25.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Johnson, William C.
Ray, James L.
Rouhal, Alexander J.
Alvarez, Octavio J., assignor, by mesne assignments of one-fourth to Maria De Reitzes-Marienwert, New York, N. Y. Electrical connector. 2,580,269, Dec. 25.
American Can Company, assignee: *See*—
Birkland, Stellan.
American Cyanamid Company, assignee: *See*—
Dixon, James K.
Lecher, Hans Z., and Eberhart.
Lindenfelser, Richard, and Michaud.
Post, Earl E., and Oldham.
Spencer, Frank R.
Varela, Andrew A., and Schupp.
American Electric Furnace Inc., assignee: *See*—
Warren, Gilman G.
American Felt Company, assignee: *See*—
Lehmberg, William H.
American Hardware Corporation, The, assignee: *See*—
McConnell, Frank.
American Laundry Machinery Company, The, assignee: *See*—
Malott, Clifton S., Jr.
American Machine and Foundry Company, assignee: *See*—
Allen, Howard G., Sims, and Ebert.
American Seal-Kap Corporation of Delaware, assignee: *See*—
Allen, Kenneth R., and Vore.
American Seating Company, assignee: *See*—
Oom, Benjamin J., Tinklepaugh and Westen.
American Time Corporation, assignee: *See*—
Duvall, Gordon F.
American Viscose Corporation, assignee: *See*—
Castellan, Carl A.
Anderson, Benjamin T., Stratford, and W. A. Welch, New Haven, assignors to United Aircraft Corporation, East Hartford, Conn. Flap mechanism. 2,579,534, Dec. 25.
Anderson Brass Company, assignee: *See*—
Conant, Neil R.
Anderson, Clayton W., East Huntingdon Township, assignor to K. S. Anderson, Scottdale, Pa. Plug valve actuator. 2,580,212, Dec. 25.
Anderson, Kathryn S., assignee: *See*—
Anderson, Clayton W.
Anderson, Lindson P.: *See*—
Sifferd, Robert H., and Anderson.
Andersen, Ralph I., Schenectady, N. Y. Condiment holder supporting bracket. 2,579,895, Dec. 25.
Andresen, John H., Jr.: *See*—
Carbonara, Victor E., and Andresen.
Andrus, Elwin A., assignee: *See*—
Bierce, Burton B.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Fawcett, Eric W. M., and Millien.
MacLean, Thomas T.
Anker-Werke, A. G., assignee: *See*—
Aurbach, Kurt.
Anstett, Edgar P., Chicago, Ill. Nailing machine. 2,580,065, Dec. 25.
Archidiacano, Nicholas, Boston, Mass. Nonrefillable container. 2,579,460, Dec. 25.
Armour and Company, assignee: *See*—
Sifferd, Robert H., and Anderson.

Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Wiegand, David E.

Ashley, Mervin F., Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Magnetic welt holddown. 2,579,896, Dec. 25.

Asphalt Specialties Co., assignee: *See*—
Dague, Harold F.

Associated Venetian Blind Manufacturing Company, assignee: *See*—
Achler, Maurice E., and Milstine.

Atchison, Elmer E., Pomona, Calif. Separable pressure pad attachment for C-clamps. 2,579,995, Dec. 25.

Atkinson, Thomas P., Newport Beach, Calif. Drill device. 2,579,720, Dec. 25.

Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Fisher, Ray W.
McDuffie, Bruce, Schelberg, and Thompson.
Miller, William T., Dittman, and Reed.
Morrison, Philip.
Zimmerman, Charles.
Zinn, Walter H.

Atwood, Seth B., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Foldable awning frame. 2,579,780, Dec. 25.

Atwood Vacuum Machine Company, The, assignee: *See*—
Atwood, Seth B.

Auberschek, Joseph F., Milwaukee, Wis. Faucet filter. 2,580,066, Dec. 25.

Aurbach, Kurt, assignor to Anker-Werke, A.G., Bielefeld, Germany. Type wheel adjusting mechanism. 2,579,535, Dec. 25.

Austin, Leslie W., San Jose, and J. C. Hicks, Menlo Park, Calif., assignors to Kaiser Aluminum & Chemical Corporation. Magnesia refractory and making. 2,579,781, Dec. 25.

Autogiro Company of America, assignee: *See*—
Pullin, Cyril G., and Watsen.

Automatic Electric Laboratories, Inc., assignee: *See*—
Bakker, Pier.
Balzer, Harvey W.

Automotive Products Company Limited, assignee: *See*—
Parker, Sydney M.

Avco Manufacturing Corporation, assignee: *See*—
Bussard, Emmery J. H.
Nave, Alfred E.

Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Manual and automatic control apparatus for combustion engines. 2,579,643, Dec. 25.

Babcock & Wilcox Company, The, assignee: *See*—
Carpenter, Otis R.
Fink, Leroy M.

Bachman, Carl O., Watertown, N. Y. Mechanical movement. 2,579,642, Dec. 25.

Badgley, Robert F., Wyoming, W. A. Wilken, Cincinnati, Ohio, and C. Tietig, Covington, Ky. Automatic comparator for records. 2,580,270, Dec. 25.

Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Crosslinked sulfonated polystyrene. 2,580,271, Dec. 25.

Bailey Meter Company, assignee: *See*—
Dickey, Paul S.

Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Community automatic exchange network. 2,579,721, Dec. 25.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Intercepting and verifying toll switching telephone system. 2,579,722, Dec. 25.

Barlow, Almus C., Chula Vista, and W. V. Paul, Coronado, Calif. Stencil printing machine. 2,579,461, Dec. 25.

Barnard, Roy M., and W. J. Stray, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric condenser. 2,579,462, Dec. 25.

Barnes, Gerald C., Plymouth, Mich. Collet with interchangeable pads. 2,580,067, Dec. 25.

Barnes Manufacturing Company, assignee: *See*—
Eggleston, Gilbert K.

Barnes, Wilfred, Jr.: *See*—
Churchfield, Elizabeth M., and Barnes.

Barr, Frank C., Morgantown, W. Va. Pickup tongs. 2,579,536, Dec. 25.

Barry, Arthur J.: *See*—
De Pree, Lee, Barry, and Hook.

Bartlett, C. O., & Snow Company, The, assignee: *See*—
Fruechtel, Wilbert J.

Barton, Alfred P.: *See*—
Talalay, Anselm, and Barton.

Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Frequency selective signal amplifying system. 2,579,996, Dec. 25.

Basdekis, Costas H.: *See*—
Scott, Milton J., Jackson, and Basdekis.

Bassoli, Henri: *See*—
Zwilling, Jean-Paul, Bassoli, and Granger.

Bata, narodni podnik, assignee: *See*—
Chmelar, Václav.
Moravec, Jan.
Muc, Miloslav.

Batchelder, Laurence, Cambridge, Mass., assignor to Raytheon Manufacturing Company. Distance measuring system. 2,580,151, Dec. 25.

Batcher, Ralph R., Douglaston, N. Y. Variable condenser and drive means therefor. 2,580,000, Dec. 25.

Bates, Roy W., Rockwood, Mich. Roadside signpost. 2,579,997, Dec. 25.

Beardsley, Robert O.: *See*—
Murch, Harold L., Fuller, and Beardsley.

Becker, Henry P.: *See*—
McMackin, Robert E., and Becker.

Beckley, John S., Wilmington, Del., and W. E. Vail, Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Removing sulfur compounds and carbon monoxide from hydrogen. 2,580,068, Dec. 25.

Bell Aircraft Corporation, assignee: *See*—
Schnitt, Arthur.
Simmonds, Milo R.

Bell, Philip W., Nutley, N. J. Self-attaching traction tread. 2,580,272, Dec. 25.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Blount, Frank E.
Burton, Joseph A.
Dehn, Joseph W., and Vroom.
Dimond, Thomas L.
Doba, Stephen, Jr., and Rieke.
Hersey, Ralph E.
Holden, William H. T.
Ilgenfritz, Lester M., and Ketchledge.
Krumreich, Charles L.
Pfleger, Kenneth W.

Bemiss-Jason Company, assignee: *See*—
Meller, Reginald B.
Wagendarm, Edward J.

Bence, William, assignee: *See*—
Johnson, George W.

Bendix Aviation Corporation, assignee: *See*—
Albright, Franklin C.
Burnett, Richard T.
Long, Richard H.
Long, Richard H., and Price.
Price, Harold W.

Bening, Joseph: *See*—
Cooper, Arthur M., and Bening.

Benjamin, Claude A., assignee: *See*—
Smith, Jacob A.

Benoit, Leon J., Benson, Minn. Valve guard. 2,580,343, Dec. 25.

Bens, Frederick P., Detroit, J. L. Ham, Dearborn, Mich., and R. M. Parke, Silver Spring, Md., assignors to Climax Molybdenum Company, New York, N. Y. Refractory metal alloy castings and making same. 2,580,273, Dec. 25.

Berberich, Otto P.: *See*—
Lee, Ernest D., Schefbauer, and Berberich.

Bergemann, Robert J., Jr., United States Navy, Boston, Mass. Standing wave recorder. 2,579,464, Dec. 25.

Berglund, Enoch S., Stillwater, Minn. Gate opener. 2,579,463, Dec. 25.

Bergman, Raymond D., Long Beach, Calif. Surveying target. 2,579,644, Dec. 25.

Bergstrom, Carl P., Millbury, and A. Palmer, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Picking shoe for looms. 2,580,152, Dec. 25.

Bergstrom, Roland F., and J. M. Plantfebar, Martinez, assignors to Shell Development Company, San Francisco, Calif. Lubricant. 2,580,274, Dec. 25.

Berlekamp, Kenneth, Fremont, Ohio. License plate reinforcement sign. 2,579,537, Dec. 25.

Berlin, Juan: *See*—
Djerassi, Carl, Rosenkranz, and Berlin.

Berry, Elizabeth F., administratrix: *See*—
Fisher, Charles B.

Bess, Leon, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse discrimination circuit responsive to double sets of pulses. 2,580,213, Dec. 25.

Best, Stanley G., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Magnetic device. 2,579,723, Dec. 25.

Bethke, Leo: *See*—
Riordan, Howard C., and Bethke.

Bickley, Everett H., Bala-Cynwyd, Pa. Color sorting machine. 2,580,275, Dec. 25.

Bierce, Burton B., Pewaukee, assignor of one-half to E. A. Andrus, Milwaukee, Wis. Electrical outlet with insulating closures. 2,579,538, Dec. 25.

Bigwood, Joshua, and Son, Limited, assignee: *See*—
Picton, John B.

Birkic, George M., Cleveland, Ohio. Stove and adjustable plates for the oven thereof. 2,580,153, Dec. 25.

Birkland, Stellan, San Francisco, Calif., assignor to American Can Company, New York, N. Y. Container with folded top seam. 2,579,465, Dec. 25.

Birkland, Stellan, San Francisco, Calif., assignor to American Can Company, New York, N. Y. Container with folded top seam. 2,579,466, Dec. 25.

Bituminous Coal Research, Inc., assignee: *See*—
Hatton, Willard J.

Blaire, Pete, Greenville, Pa. Automatic pickup device. 2,579,539, Dec. 25.

Blamey, Almon C.: *See*—
Brownlie, John, Gerstenzang, and Blamey.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined heel shell and comb for looms. 2,580,154, Dec. 25.

Blank, Elmer H.: *See*—
Jahn, Herbert W., and Blank.

Blasutta, Victor V.: *See*—
Adams, Cecil E., Blasutta, and Mog.
Adams, Cecil E., Mills, and Blasutta.

Blechman, Irving, New York, N. Y. Collapsible wardrobe. 2,579,897, Dec. 25.

Blind Cleaners, Inc., assignee: *See*—
Schneider, George.

Blount, Frank E., Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dial pulse receiving circuit. 2,580,069, Dec. 25.

Bobst, Henri, Lausanne, Switzerland. Gripper release mechanism for sheet handling machines. 2,579,540, Dec. 25.

Bobst, Henri, Lausanne, Switzerland. Control mechanism for the delivery stack of sheet working machines. 2,579,541, Dec. 25.

Boelter, Llewellyn M. K.: *See*—
Gier, Joseph T., Boelter, Bromberg, and Dempster.

Boizard, Robert A.: *See*—
Secondi, Raymond G., and Vacheron.

Booth, Earl, Bayside, N. Y. Holster harness. 2,579,782, Dec. 25.

Borg-Warner Corporation, assignee: *See*—
Davis, Charles E.
Orr, Palmer.

Borgerding, Herman W., Philadelphia, Pa. Haircutting attachment. 2,580,276, Dec. 25.

Bostick, Winston H., West Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse transformer circuit. 2,579,542, Dec. 25.

Botany Mills, Inc., assignee: *See*—
Vaterrodt, Peter, and Choyce.

Boyd, Thomas, and F. J. Lucht, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Polymerization of vinyl chloride in aqueous suspension to produce granular polymers. 2,580,277, Dec. 25.

Bozich, Michael J., Pittsburgh, Pa. Apparatus for unloading pulverulent material from tanks. 2,580,214, Dec. 25.

Bozich, Michael J., Pittsburgh, Pa. Apparatus for unloading pulverulent material from transportation tanks. 2,580,215, Dec. 25.

Brachfield, Erwin M., Los Angeles, Calif. Maternity garment. 2,579,645, Dec. 25.

Bradford Novelty Co., Inc., assignee: *See*—
Burnbaum, Jack.

Brady, James M.: *See*—
Huston, William D., and Brady.

Brannen, Paul M., Duquesne, Pa., assignor to Westinghouse Air Brake Company. Proximity detector employing microwaves. 2,580,155, Dec. 25.

Branson, Raymond J., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla. Forming spherical containers. 2,579,646, Dec. 25.

Branto, Andrew F., Los Angeles, Calif. Foldable portable chiropractor's table. 2,579,783, Dec. 25.

Brasfield, Herbert K., assignee: *See*—
Martin, Charles A.

Breakstone, Seymour, Chicago, Ill. Valved closure plug for insertion in the neck of a bottle. 2,579,724, Dec. 25.

Brennan, Joseph B., Cleveland, Ohio. Pump. 2,580,278, Dec. 25.

Brickman, Alan E., Worcester, Mass. Pavement lane marker. 2,579,467, Dec. 25.

Brie, Reginald A. C., Twickenham, England. Rotary wing aircraft. 2,579,647, Dec. 25.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.

Briglia, Anton, assignor to M. Dolgov, doing business under the firm name of United Pipe Nipple Company, Brooklyn, N. Y. Automatic pipe-cutting machine. 2,580,279, Dec. 25.

Brilihart, Samuel E., Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making coaxial cable units. 2,579,468, Dec. 25.

Bristol Company, The, assignee: *See*—
Wetherbee, Charles F.

British Artificial Resin Company, Limited, assignee: *See*—
Shrimpton, William J.

Brode, Wallace R., and R. J. Morris, assignors to Ohio State University Research Foundation, Columbus, Ohio. Light filter. 2,579,543, Dec. 25.

Broden, John G. M., assignor to Kockums Mekaniska Verkstads Aktiebolag, Malmo, Sweden. Vibrator. 2,579,784, Dec. 25.

Bromberg, Robert: *See*—
Gier, Joseph T., Boelter, Bromberg, and Dempster.

Brooks, Ralph C.: *See*—
Stevens, Roy R., and Brooks.

Brooks, Richard E., and I. D. Webb, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of acyl halides. 2,580,070, Dec. 25.

Brown, Andrew, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Revertive calling party line system. 2,579,469, Dec. 25.

Brown & Bigelow, assignee: *See*—
Vierling, John A.

Brown, Burton J., Detroit, Mich. Automobile body construction. 2,580,156, Dec. 25.

Brown, Charles H., assignee: *See*—
Fenn, James E.

Brown, Gilbert G., Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Selector system. 2,579,470, Dec. 25.

Brown, Myron J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Line trap with demountable tuner. 2,579,544, Dec. 25.

Brown, William: *See*—
Nichols, Rex, and Brown.

Brownlie, John, Freeport, R. Gerstenzang, Brooklyn, N. Y., and A. C. Blamey, Rutherford, N. J.; said Blamey assignor to said Brownlie and said Gerstenzang. Casement window hinge. 2,579,785, Dec. 25.

Brucker, Milton, Los Angeles, Calif. Mold for heat curing thermosetting resins. 2,579,898, Dec. 25.

Buckbee, John A., Wellesley, Mass., and A. E. Falk, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Control system for directive device. 2,579,471, Dec. 25.

Buffalo-Eclipse Corporation, assignee: *See*—
Yoder, Howard D.

Bull, Cabot S., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Secondary-electron-emitting discharge device. 2,579,786, Dec. 25.

Bullard Company, The, assignee: *See*—
Bullard, Edward P., III, and Grinage.

Bullard, Edward P., III, Fairfield, and C. M. Grinage, Bridgeport, Conn., assignors to The Bullard Company. Lathe control. 2,579,998, Dec. 25.

Bullard, Edwin W., Hamden, assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Telescope sight. 2,580,280, Dec. 25.

Bunyard, Kenneth L., Flushing, N. Y. Phonograph. 2,580,071, Dec. 25.

Burgess Battery Company, assignee: *See*—
Kurlandsky, Sam.
Schofield, Earl L.

Burgesser, Frederick W.: *See*—
Funsten, Stanard R., and Burgesses.

Burgesser, Frederick W., Compton, assignor to Filtrol Corporation, Los Angeles, Calif. Coated seed. 2,579,733, Dec. 25.

Burgesser, Frederick W., Compton, assignor to Filtrol Corporation, Los Angeles, Calif. Seed pellet. 2,579,734, Dec. 25.

Burgesser, Frederick W., Compton, assignor to Filtrol Corporation, Los Angeles, Calif. Coated seed. 2,579,735, Dec. 25.

Burkhardt, Charles E.: *See*—
Horstman, Clifford C., Burkhardt, and Ellis.

Burnbaum, Jack, Watertown, assignor to Bradford Novelty Co., Inc., Cambridge, Mass. Illuminated figure with reflector. 2,579,725, Dec. 25.

Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Rotary hydraulic torque converter. 2,580,072, Dec. 25.

Burney, Charles D., assignor to Fresh Frozen Foods Ltd., London, England. Equipment of trawling vessels. 2,579,787, Dec. 25.

Burnham, Clarence W.: *See*—
Fellows, William H., and Burnham.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Combination bracket. 2,579,788, Dec. 25.

Burrows, Dale L., Hampton, Va. Removable cap with depending chamber which encloses a reciprocating valve element. 2,579,899, Dec. 25.

Burt, Alexander D., Haddon Heights, N. J., assignor to Radio Corporation of America. Phonograph turntable spindle. 2,579,999, Dec. 25.

Burton, James R., Jr., Jasper, Ala. Suitcase having inflatable form-container. 2,580,281, Dec. 25.

Burton, Joseph A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time multiplex television in color. 2,580,073, Dec. 25.

Busch Precision Camera Corporation, assignee: *See*—
Little, Alfred E.

Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Tuner for television receivers. 2,579,789, Dec. 25.

Busser, William G., and P. J. Muller, Cleveland, Ohio. Device and method for controlling movement of rods in rod mills. 2,579,790, Dec. 25.

Butler, Henry J., Sutton Coldfield, England, assignor to Dunlop Rubber Company Limited. Air-cooling apparatus for vehicle wheels. 2,580,001, Dec. 25.

Butler, Keith H., Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Improved calcium halo-phosphate phosphor. 2,579,900, Dec. 25.

C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B., and Siebens.

Cadous, Esther, New York, N. Y. Strapless brassière. 2,579,545, Dec. 25.
Cadous, Esther, New York, N. Y. Strapless garment. 2,579,546, Dec. 25.
Cadous, Esther, New York, N. Y. Garment. 2,579,547, Dec. 25.
Calhoun, James D., West Monroe, La. Log turner and deck block for sawmills. 2,579,901, Dec. 25.
Cameron Machine Company, assignee: *See*—
Carter, Thomas N.
Carbonara, Victor E., Manhasset, and J. H. Andresen, Jr., Port Washington, assignors, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Instrument for correlating air speed, angle of attack, and aircraft loading. 2,579,902, Dec. 25.
Carbonara, Victor E., Manhasset, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Periscopic sextant. 2,579,903, Dec. 25.
Carco Products Corporation, assignee: *See*—
Johnson, Arthur A.
Carey-McFall Company, assignee: *See*—
Stuber, Walter J., and Di Ienno.
Carlo Erba S. P. A., assignee: *See*—
Koster, Heinrich, and Gennari.
Caron, John B. R.: *See*—
Wies, Calmy, Caron, and Glendenning.
Carpenter, Louis M., Syracuse, N. Y. Electric paint remover. 2,579,726, Dec. 25.
Carpenter, Oliver J., Niagara Falls, N. Y., assignor to General Abrasive Company, Inc. Making an abrasive coated wheel. 2,579,727, Dec. 25.
Carpenter, Otis R., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Producing clad plate. 2,580,374, Dec. 25.
Carrier Corporation, assignee: *See*—
Hanson, Lars.
Carrier, E. Wendell, Cranford, N. J., assignor to Standard Oil Development Company. Production of ethylene. 2,580,002, Dec. 25.
Carter, Thomas N., Bayside, assignor to Cameron Machine Company, Brooklyn, N. Y. Starting and stopping mechanism. 2,579,791, Dec. 25.
Cartwright, Horace A., Minneapolis, Minn. Vehicle mounted spraying equipment. 2,579,792, Dec. 25.
Cascades Plywood Corporation, assignee: *See*—
Uschmann, Curt.
Cassel, Norman S., Ridgewood, and A. T. Clifford, Fair Lawn, N. J., assignors to Interchemical Corporation, New York, N. Y. Textile decorating. 2,579,793, Dec. 25.
Cassel, Norman S., Ridgewood, and A. T. Clifford, Fair Lawn, N. J., assignors to Interchemical Corporation, New York, N. Y. Textile decorating. 2,579,794, Dec. 25.
Castellan, Carl A., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,579,548, Dec. 25.
Castner, Frank G., Bridgeport, assignor to The Tirips Corporation, Steubenville, Ohio. Pressure regulating valve for hydraulic brake systems. 2,579,904, Dec. 25.
Cave, Willard E., Brownsboro, Oreg. Grasshopper dispenser. 2,579,549, Dec. 25.
Celanese Corporation of America, assignee: *See*—
Gialanella, Joseph A.
Seymour, George W., White, and Kirshen.
Cesar, Jorge M., Monterrey, Mexico. Electric-light service indicator. 2,580,074, Dec. 25.
Cesaroni, Venanzio, assignor of sixty-two per cent to S. H. Greer, Vancouver, British Columbia, Canada. Saw blade. 2,579,728, Dec. 25.
Chadwick, Joseph H., Portland, Oreg. Combination fluid dispensing nozzle and fluid level indicating means. 2,580,157, Dec. 25.
Chalilot, Roger A., Paris, France, assignor to Societe Anonyme dite: Societe Marocaine de Constructions Mecaniques. Theater chair. 2,579 795, Dec. 25.
Chamberlin, John W.: *See*—
Chamberlin, John W., and Horvath.
Chamberlin, John W., Mequon, and J. F. Horvath, Milwaukee, Wis., assignors, by mesne assignments, to said J. W. Chamberlin, Evanston, Ill. Vibration dampening support for cleaning and extracting apparatus. 2,579,472, Dec. 25.
Chandler & Price Company, The, assignee: *See*—
Rowell, George S.
Rowell, George S., and McGeorge.
Charvat, Vernon K.: *See*—
Peterson, Ruben O., and Charvat.
Chatterjea, Prafulla K., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Arrangement for selecting electric pulses of given width. 2,579,473, Dec. 25.
Chmelar, Václav, assignor to Bata, narodni podnik, Zlin, Czescoslovakia. Device for nailing heels from the interior of shoes. 2,580,216, Dec. 25.
Choyce, Robert E.: *See*—
Vaterrodt, Peter, and Choyce.
Chudyk, Alex B., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical motor control apparatus. 2,579,648, Dec. 25.
Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Motor operated chuck. 2,579,796, Dec. 25.
Churchfield, Elizabeth M., and W. Barnes, Jr., Upper Darby, Pa. Animal seat and exercising device. 2,579,797, Dec. 25.
Ciba Limited, assignee: *See*—
Sutter, Paul, and Kern.
Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
Djerassi, Carl, and Scholz.
Cissell, W. M., Manufacturing Company, Incorporated, assignee: *See*—
Richterkessing, Frank H.
Clapp, George D.: *See*—
Leach, Elbert C., Manthie, and Clapp.
Clark, James L., and M. E. Horton, assignors to Clarvan Corporation, Milwaukee, Wis. Machine for making bowl covers. 2,580,075, Dec. 25.
Clark, Leo, Trenton, N. J. Bobbin stripping device. 2,580,003, Dec. 25.
Clarvan Corporation, assignee: *See*—
Clark, James L., and Horton.
Clary, Paul D., Jr.: *See*—
Peebles, David D., Clary, and Meade.
Clayborne, Norman F., Chicago, Ill. Cleaning apparatus for loading, rotating, and spraying heavy workpieces. 2,580,344, Dec. 25.
Clayton, John C.: *See*—
Hems, Benjamin A., and Clayton.
Clifford, Alfred T.: *See*—
Cassel, Norman S., and Clifford.
Climax Molybdenum Company, assignee: *See*—
Bens, Frederick P., Ham, and Parke.
Cobert, Arthur J., assignor of one-half to Bryan F. F. Mills, Inc., Chattanooga, Tenn. Jack head for flat knitting machines. 2,579,649, Dec. 25.
Coby, William L., Tulsa, Okla. Window blind. 2,579,905, Dec. 25.
Colgate-Palmolive-Peet, assignee: *See*—
Marshall, Donald E.
Colley, Omer A., New York, N. Y. Support and spacing device for hive body or super frames. 2,580,282, Dec. 25.
Collins Radio Company, assignee: *See*—
Wirkler, Walter H.
Colombani, Don P. L. J. E., Paris, France. Electronic musical instrument. 2,580,217, Dec. 25.
Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.
Combustion Control Corporation, assignee: *See*—
Thomson, E. Craig.
Thomson, E. Craig, and Giuffrida.
Commercial Solvents Corporation, assignee: *See*—
Senkus, Murray.
Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Toulmin, Harry A., Jr.
Compagnie General de Telegraphie Sans Fil, assignee: *See*—
Dohler, Oskar, Huber, and Kleen.
Conant, Neil R., assignor to Anderson Brass Company, Detroit, Mich. Shutoff cock. 2,580,218, Dec. 25.
Condon, Robert S., Rutland, Vt., assignor to Continental Can Company, Inc., New York, N. Y. Paper container lining machine. 2,579,907, Dec. 25.
Cone, Carroll, Adams Township, Lucas County, assignor to Surface Combustion Corporation, Toledo, Ohio. Coil annealing apparatus. 2,580,283, Dec. 25.
Connor, W. B., Engineering Corp., assignee: *See*—
Dauphinee, George S.
Continental Can Co., Inc., assignee: *See*—
Condon, Robert S.
Funke, Albert.
Goldsworthy, Norman H.
Jackson, George F.
Kronquest, Alfred L., and Sedwick.
Lobrovich, William J.
Minnear, Festus L.
O'Neil, James H.
Scott, Harry A., and Spieker.
Simpson, Justin.
Sjolin, Harry H.
Contos, Albert: *See*—
Ingram, George O., and Contos.
Cook, Ralph H., Columbus, Nebr. Husking roller. 2,579,906, Dec. 25.
Cooper, Arthur M., and J. Bening, Chicago, Ill., assignors to Town Fashions Inc. Shirt. 2,579,550, Dec. 25.
Cooper, La Mar S., Cedar Rapids, Iowa, assignor to General Electric Company. Controlled humidity refrigerator. 2,580,219, Dec. 25.
Cooper, La Mar S., Cedar Rapids, Iowa, assignor to General Electric Company. Secondary refrigeration system. 2,580,220, Dec. 25.
Copley, Welford E.: *See*—
Johansen, Gordon W., and Copley.
Corcoran, Patrick J., Memphis, Tenn. Tie wire clamp. 2,579,650, Dec. 25.
Cornell, Hampton G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of iron from regenerated cracking catalyst fines. 2,580,004, Dec. 25.
Corsini, Neri, Firenze, Italy. Electrolytic process and aparatus for making copper dust. 2,579,551, Dec. 25.

Coviello, Anthony R., Tulare, Calif. V-type ditcher. 2,579,651, Dec. 25.
Crabbs, Herbert J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Operating mechanism. 2,579,798, Dec. 25.
Crabbs, Herbert J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,579,799, Dec. 25.
Crane Co., assignee: *See*—
Eckman, Harry A., and Maack.
Crawford, Frederick A. F., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Apparatus for preparing explosives. 2,579,474, Dec. 25.
Cress, Clarence C., Greenville, Tenn. Wood bending machine and nailing table. 2,579,800, Dec. 25.
Crom, John M., and C. Dobell, New York, N. Y. Concrete pipe mold. 2,579,801, Dec. 25.
Crompton & Knowles Loom Works, assignee: *See*—
Bergstrom, Carl P., and Palmer.
Blanchard, William A.
Holmes, Elbridge R., and Safford.
Peterson, George N.
Crown Fastener Corporation, assignee: *See*—
Morin, Louis H., and Gries.
Cummings, Ira R., deceased, by M. F. Cummings, executrix, Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic dust precipitator. 2,579,552, Dec. 25.
Cummings, Margaret F., executrix: *See*—
Cummings, Ira R.
Curry, Herman H., United States Coast Guard. Engine room telegraph. 2,579,476, Dec. 25.
Curtis Manufacturing Company, assignee: *See*—
Hecker, Harvard K.
Curtis, Richard C., Short Hills, N. J., assignor to Faximile, Inc., New York, N. Y. Facsimile system for simultaneous transmission of plurality of elemental areas. 2,579,475, Dec. 25.
Cyphers, Elmer B., Clark Township, Union County, and G. M. McNulty, Union, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricating compositions. 2,580,005, Dec. 25.
Daco Metal Products, assignee: *See*—
Marvin, Stanley, and Orth.
Dague, Harold F., South Gate, assignor to Asphalt Specialties Co., North Long Beach, Calif. Pumpable powdered asphalt suspension. 2,579,652, Dec. 25.
Dalglish, John, assignee: *See*—
Laurie, Kenneth S.
Daniel, William C., Wilhelmina, Mo. Hinged joint and swivel beam for tractor-mounted implements. 2,579,553, Dec. 25.
Dauphinee, George S., Brooklyn, assignor to W. B. Connor Engineering Corp., New York, N. Y. Air-conditioning apparatus and the like. 2,579,477, Dec. 25.
Davidson, Donald D.: *See*—
Nelson, Charles R., Taylor, Davidson, and Peters.
Davis, Charles E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,579,554, Dec. 25.
Davis, Hyman R., Jackson Heights, and R. M. Santaniello, Brooklyn, assignors to The Lummus Company, New York, N. Y. Flue gas chilling. 2,580,375, Dec. 25.
Davison, John A., Passaic, and W. R. Dunn, West Englewood, N. J., assignors to United States Rubber Company, New York, N. Y. Aqueous emulsion polymerization with low initial soap concentration. 2,579,908, Dec. 25.
Dawley, Leonard, Collins, N. Y. Auxiliary light for automobiles. 2,579,653, Dec. 25.
Deahl, Thomas J., F. H. Stross, and M. D. Taylor, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of secondary aromatic amines. 2,580,284, Dec. 25.
Dean, William H., Middleton Saint George, Darlington, England. Power-operated portable tool. 2,580,158, Dec. 25.
Deane, John, assignor of 40 per cent to S. Lucas, San Francisco, Calif. Composition for making acoustic material. 2,580,076, Dec. 25.
De Brey, Heinrich: *See*—
Rinia, Herre, de Brey, and van Weenen.
Dehn, Joseph W., Great Neck, and E. Vroom, Ossining, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone message accounting system. 2,579,729, Dec. 25.
Deihle, Catherine J., executrix: *See*—
Deihle, Charles L.
Deihle, Charles L., deceased, Irondequoit, N. Y.; C. J. Deihle, executrix. Racing game apparatus. 2,580,077, Dec. 25.
De Lancey, Henry K.: *See*—
Kaufman, Henry D.
De Laval Separator Company, assignee: *See*—
Roters, Herbert C.
Dempster, Everett R.: *See*—
Gier, Joseph T., Boelter, Bromberg, and Dempster.
Denison Engineering Company, The, assignee: *See*—
Adams, Cecil E.
Adams, Cecil E., Blasutta, and Mog.
Adams, Cecil E., Mills, and Blasutta.
Denison, William C., Jr.
Renick, Wendell E.
Denison, William C., Jr., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Press mechanism. 2,580,078, Dec. 25.
Densham, Costin L., Chaldon, England, assignor to Wade Engineering Limited. Compressor. 2,580,006, Dec. 25.
DePhillips, Henry A., Nutley, N. J. Smoking pipe coating composition. 2,580,079, Dec. 25.
De Pree, Lee, Holland, A. J. Barry, and D. E. Hook, assignors to The Dow Chemical Company, Midland, Mich. Chlorosilyl benzenes. 2,580,159, Dec. 25.
Derby, Palmer P., assignor to Raytheon Manufacturing Company, Weston, Mass. Electron-discharge device for microwave amplification. 2,579,654, Dec. 25.
Derderian, Edward J.: *See*—
Kurkjian, Phillip, and Derderian.
Derderian, Edward J., assignor to Elliott Manufacturing Company, Fresno, Calif. Fiber case gluing machine. 2,579,802, Dec. 25.
Derderian, Edward J., assignor to Elliott Manufacturing Company, Fresno, Calif. Case sealing machine. 2,579,803, Dec. 25.
De Reitzes-Marienwert, Maria, assignee: *See*—
Alvarez, Octavio J.
De Rice, Harold A.: *See*—
Rambo, William H., and De Rice.
Detroit Broach Company, assignee: *See*—
Kaplan, Leo I., and von Reis.
Detroit Harvester Company, assignee: *See*—
Abgarian, Aram.
Votypka, John W.
Deutsch Company, The, assignee: *See*—
Douglas, Courtney C., and Thrall.
Dewhirst, Joseph F., Bridgeport, Conn. Device for automatically stopping motor vehicle engines after predetermined idling period. 2,580,080, Dec. 25.
Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Vapor generating and control system. 2,580,345, Dec. 25.
Di Domenico, Mary, Chicago, Ill. Pie crust trimming and scalloping device. 2,580,081, Dec. 25.
Dieffenbach, Harry A., Glen Olden, Pa. Compressible bulb operated liquid dispenser. 2,579,909, Dec. 25.
Dieterich, Fayra, administratrix: *See*—
Hill, Glenn E.
Dieterich, John R., Jr., assignee: *See*—
Hill, Glenn E.
Dietz, Thomas J.: *See*—
Hansen, John E., and Dietz.
Di Ienno, John J.: *See*—
Stuber, Walter J., and Di Ienno.
Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay translating circuit. 2,580,082, Dec. 25.
Dittman, Albert L.: *See*—
Miller, William T., Dittman, and Reed.
Dixon, Guy E., Jr., Miami Shores, Fla. Accordion folding door. 2,579,910, Dec. 25.
Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Catalytic dehydrogenation of piperazine to pyrazine. 2,580,221, Dec. 25.
Djerassi, Carl, Morristown, and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Heterocyclic compounds. 2,579,478, Dec. 25.
Djerassi, Carl, G. Rosenkranz, and J. Berlin, assignors to Syntex S. A., Mexico City, Mexico. $\Delta^{5,6}$-pregnadiene-17α-OL-3-ones. 2,579,479, Dec. 25.
Doba, Stephen, Jr., Long Island City, and J. W. Rieke, Astoria, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contrast pattern generator. 2,580,083, Dec. 25.
Dobell, Curzon: *See*—
Crom, John M., and Dobell.
Dobson, William A., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Platen knob with telescoping clutch knob. 2,580,285, Dec. 25.
Doe, Walter P., L. W. Sly, and H. G. Fisher, assignors to Fisher-Price Toys, Inc., East Aurora, N. Y. Action toy. 2,580,346, Dec. 25.
Dohler, Oskar, H. Huber, and W. Kleen, Paris, France, assignors to Compagnie General de Telegraphie Sans Fil. Amplifying and oscillating tube with traveling wave control. 2,580,007, Dec. 25.
Dohmeyer, Wilbert A., Crete, Ill., assignor of one-fifth to E. H. Simpson, Milwaukee, Wis. Mortising plane. 2,579,911, Dec. 25.
Dolgov, Muray, assignee: *See*—
Briglia, Anton.
Donald, Archibald, assignor to Gabriel Steel Company, Detroit, Mich. Collapsible container. 2,579,655, Dec. 25.
Donnelly, Joseph B., Burlingame, Calif., assignor to Schenley Industries, Inc. Container opener. 2,579,912, Dec. 25.
Donnelly, Lawrence E., Everett, and C. A. Wheeler, Melrose, Mass. Lawn roller. 2,580,084, Dec. 25.
Dorsett, Rowell R., Baltimore, Md. Treating cellulosic and similar materials. 2,580,286, Dec. 25.
Dotson, Forrest R., assignor to L. C. Dotson, Huntington, W. Va. Motor testing unit. 2,579,804, Dec. 25.
Dotson, Laura C., assignee: *See*—
Dotson, Forrest R.

Douglas, Courtney C., Arcadia, and W. I. Thrall, South Pasadena, assignors to The Deutsch Company, Los Angeles, Calif. By-pass meter bar. 2,579,656, Dec. 25.

Douglas, Max M., Long Beach, Calif. Valve stem guide with air inlet. 2,579,657, Dec. 25.

Dow Chemical Company, The, assignee: *See*— De Pree, Lee, Barry, and Hook.

Doyle, Thomas J., South Braintree, assignor to Tubular Rivet and Stud Company, Quincy, Mass. Rivet setting machine with fast snap-action rivet release mechanism. 2,580,160, Dec. 25.

Draeger, Walter R., Racine, Wis. Fireplace tool. 2,579,805, Dec. 25.

Driessen, Cornelius C., Little Chute, Wis. Deinking printed waste paper. 2,580,161, Dec. 25.

Drisch, Nicolas, and R. Fays, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Mechanism for stretching artificial filaments. 2,579,555, Dec. 25.

Drong, Peter G., Hibbing, Minn. Vehicle bogie suspension. 2,579,556, Dec. 25.

Dubé, Edna L., Fall River, Mass. Bandage. 2,580,085, Dec. 25.

Du Bose, George P., deceased: *See*— Lea, Henry V.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*— Lempert, Irving E.

Dunaway, Paul S.: *See*— Liebhart, Dorsey M., and Dunaway.

Duncan, James E.: *See*— Smith, John J., Duncan, and Truby.

Dunlop Rubber Company Limited, assignee: *See*— Butler, Henry J.

Dunn, Walter R.: *See*— Davison, John A., and Dunn.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Beekley, John S., and Vail.
Brooks, Richard E., and Webb.
Gallinger, Clyde T.
Hermann, Edward C.
Howk, Benjamin W., and Langkammerer.

Durham-Enders Razor Corporation, assignee: *See*— Willhelm, Oscar.

Duskey, Edmund L.: *See*— Zimmer, Myron J., and Duskey.

Duvall, Gordon F., deceased, late of Newton, Mass., by H. I. Duvall, administratrix, Ballston Spa, N. Y., assignor to American Time Corporation, Springfield, Mass. Timing device. 2,580,287, Dec. 25.

Duvall, Harriet I., administratrix: *See*— Duvall, Gordon F.

Dworkin, Harry, Brooklyn, N. Y. Projecting speed indicator. 2,579,806, Dec. 25.

Eberhart, Dale R.: *See*— Lecher, Hans Z., and Eberhard.

Ebert, Edward A.: *See*— Allen, Howard G., Sims, and Ebert.

Ebert, Theodore E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Counter electrode of selenium rectifiers. 2,579,557, Dec. 25.

Eckman, Harry A., and H. W. Maack, assignors to Crane Co., Chicago, Ill. Malleable iron with boron and bismith. 2,579,452, Dec. 25.

Egan Cotton Mills, Inc., assignee: *See*— Grant, Horace C.

Eggleston, Gilbert K., assignor to Barnes Manufacturing Company, Mansfield, Ohio. Centrifugal pump. 2,580,347, Dec. 25.

Egolf, Paul H., Sr., Chevy Chase, Md. Display apparatus. 2,579,807, Dec. 25.

Elco Products Company, assignee: *See*— Zimmer, Myron J., and Duskey.

Electric & Musical Industries Limited, assignee: *See*— Bull, Cabot S.

Elgin National Watch Company, assignee: *See*— Ensign, George, Hoppe, and Soper.

Elisabeth, Armand and G. B., Brussels, Belgium. Apparatus for holding documents for manifold writing. 2,579,808, Dec. 25.

Elisabeth, Germaine B.: *See*— Elisabeth, Armand and G. B.

Elliott Manufacturing Company, assignee: *See*— Derderian, Edward J.

Ellis, Belvin B.: *See*— Horstman, Clifford C., Burkhardt, and Ellis.

Elsesser, Frank S., Cincinnati, Ohio. Forming ground meat patties. 2,580,008, Dec. 25.

Emery, Alfred H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Adaptor for snap gauges. 2,580,009, Dec. 25.

Eng, Ivar A., Youngstown, Ohio. Curtain stretching tongs. 2,579,913, Dec. 25.

Engineering Laboratories, Incorporated, assignee: *See*— Green, William G.

Engineering & Research Corporation, assignee: *See*— Fagin, Samuel L.

Ensign, George G., R. C. Hoppe, and G. T. Soper, assignors to Elgin National Watch Company, Elgin, Ill. Chronometric circuit controller. 2,579,914, Dec. 25.

Erson, Erik G., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,580,348, Dec. 25.

Eskimo Pie Corporation, assignee: *See*— Fleming, William M.
Klein, Morris.

Etablissements Mercier, assignee: *See*— Mercier, Emile.

Ethyl Corporation, assignee: *See*— Rifkin, Ellis B., and Ewen.

Eurey, Noah W., Lincolnton, N. C. Warp beam and harness frame transporting truck. 2,579,730, Dec. 25.

Evans, Raymond B.: *See*— Kunze, Walter G., and Evans.

Evans, Ronald M., Ickenham, assignor to Glaxo Laboratories Limited, Greenford, England. 3-methyl-1-(1'-hydroxy - 2'6',6' - trimethylcyclohexyl)-octa-3,5-dien-1-yn-7-one and preparing same. 2,579,658, Dec. 25.

Ewen, Douglas H.: *See*— Rifkin, Ellis B., and Ewen.

Fafnir Bearing Company, The, assignee: *See*— Smith, John W.

Fagin, Samuel L., New York, N. Y., assignor to Engineering & Research Corporation, Riverdale, Md. Zero return for electromechanical integrators. 2,579,731, Dec. 25.

Fainman, Morton, assignor to Standard Oil Company, Chicago, Ill. Anticorrosion compositions. 2,580,288, Dec. 25.

Falk, Alfred E.: *See*— Buckbee, John A., and Falk.

Falk Corporation, The, assignee: *See*— Schmitter, Walter P.

Fantl, Joel, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated alkydmelamine sulfonamide ether resins. 2,580,289, Dec. 25.

Farnsworth Research Corporation, assignee: *See*— Buckbee, John A., and Falk.

Fawcett, Eric W. M., and A. Millien, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Polyvinyl chloride plasticized with an ester and a petroleum extract. 2,580,290, Dec. 25.

Faximile, Inc., assignee: *See*— Curtis, Richard C.

Fays, René: *See*— Drisch, Nicolas, and Fays.

Federal Telephone and Radio Corporation, assignee: *See*— Brown, Gilbert G.
Ostlund, Evert M.

Feenberg, Eugene, Kew Gardens, N. Y., assignor to The Sperry Corporation. Ultrahigh-frequency electron discharge apparatus. 2,579,480, Dec. 25.

Feilden, Geoffrey B. R., Lutterworth, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Load measuring device. 2,580,162, Dec. 25.

Fellows Gear Shaper Company, The, assignee: *See*— Fellows, William H., and Burnham.

Fellows, William H., and C. W. Burnham, assignors to The Fellows Gear Shaper Company, Springfield, Vt. Leakage prevention for injection molding nozzles. 2,579,809, Dec. 25.

Fenn, James E., Baldwin, N. Y., assignor of one-tenth to C. H. Brown, Princeton, N. J. Adhesive composition. 2,579,481, Dec. 25.

Fenn, James E., Baldwin, N. Y., assignor of one-tenth to C. H. Brown, Princeton, N. J. Adhesive composition of sulphite waste liquor, phosphoric acid, and sulfur dioxide. 2,579,482, Dec. 25.

Fenn, James E., Baldwin, N. Y., assignor of one-tenth to C. H. Brown, Princeton, N. J. Adhesive composition. 2,579,483, Dec. 25.

Fenske, Merrell R., State College, and B. R. Tegge, Roselle, N. J., assignors to Standard Oil Development Company. Process and apparatus for liquid-liquid extraction. 2,580,010, Dec. 25.

Fenton, Elizabeth P., executrix: *See*— Fenton, William.

Fenton Foundry Supply Company, The, assignee: *See*— Fenton, William.

Fenton, William, deceased, Dayton, Ohio, by E. P. Fenton, executrix, assignor to The Fenton Foundry Supply Company, Dayton, Ohio. Shovel handle. 2,579,484, Dec. 25.

Ferguson, Harold W., and S. Schwartz, Rochester, N. Y. Sectional Venetian blind. 2,579,485, Dec. 25.

Ferguson, Murray, assignee: *See*— Prizer, Eugene L.

Ferguson Radio Corporation Limited, assignee: *See*— Lockyer, John S.

Fevold, Harry L.: *See*— Alderton, Gordon, and Fevold.

Fields, Ellis K., Chicago, Ill., assignor to Research Corporation, New York, N. Y. Preparing substituted hydroxymethylphosphonic esters. 2,579,810, Dec. 25.

Filtrol Corporation, assignee: *See*— Burgesser, Frederick W.

Filtrol Corporation, assignee: *See*— Funsten, Stanard R., and Burgesser.

Fine, Ben, New York, N. Y. Clip for fastening a pugree to a hat. 2,579,558, Dec. 25.

Fink, Leroy M., Union, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Steam generator. 2,579,559, Dec. 25.

Finkelstein, George, assignee: *See*— Mannist, Milton.

Finkl, Charles W., Evanston, Ill. Throttle control. 2,579,811, Dec. 25.

Fischer, Albert C., deceased, Chicago, Ill.; W. C. and C. G. Fischer, executors, assignors to Servicised Products Corporation. Nonextruding expansion joint. 2,580,163, Dec. 25.

Fischer, Cecile G., executor: *See*— Fischer, Albert C.

Fischer, Wallace C., executor: *See*— Fischer, Albert C.

Fisher, Berne N., Roselle, assignor to General Instrument Corporation, Elizabeth, N. J. Control and dial arrangement for multiband tuning units. 2,579,659, Dec. 25.

Fisher, Charles B., deceased, Williamsport, Pa., by G. F. Fisher, executrix, E. F. Berry, administratrix de bonis non cum testamento annexo, assignor to O. A. Norlund Company Inc., Williamsport, Pa. Gaff. 2,579,812, Dec. 25.

Fisher, Gertrude E., executrix: *See*— Fisher, Charles B.

Fisher, Herman G.: *See*— Doe, Walter P., Sly, and Fisher.

Fisher-Price Toys, Inc., assignee: *See*— Doe, Walter P., Sly, and Fisher.

Fisher, Ray W., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Forming uranium carbide. 2,580,349, Dec. 25.

Flatin, Glenn M., and A. H. Rorvig, Rothsay, Minn. Binder detachable hand rest. 2,579,915, Dec. 25.

Fleming, William M., Nutley, assignor to Eskimo Pie Corporation, Bloomfield, N. J. Apparatus for fluid filling of containers. 2,579,916, Dec. 25.

Flexitallic Gasket Company, assignee: *See*— Price, William R.

Flynn, Charles F., New York, N. Y. Photographic slide viewer. 2,580,164, Dec. 25.

Ford, James G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bonded magnetic core structure. 2,579,560, Dec. 25.

Fourmanoit, Jean C., Brussels, Belgium. Sealing device for the doors of coke ovens. 2,579,917, Dec. 25.

Fox, Martin, Chicago, Ill., assignor to The Seng Company. Locking device for platform rockers. 2,580,165, Dec. 25.

Fox Products Company, assignee: *See*— Pruitt, Virgil H., and Medlar.

Francis, Albert E.: *See*— Molins, Desmond W., Ruau, and Francis.

Frank, William A., Hackensack, N. J., assignor to National Water Main Cleaning Co., New York, N. Y. Apparatus for cleaning pipes. 2,579,813, Dec. 25.

Frankwich, Alexander C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Hopper feed. 2,579,486, Dec. 25.

Frankwich, Alexander C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for feeding and applying insulating disks to conductors. 2,579,487, Dec. 25.

Frantz, Ezra A., Weatherford, Tex. Clothespin. 2,579,660, Dec. 25.

Freeman, Harry, Providence, R. I. Bookbinding. 2,579,488, Dec. 25.

Freeman, Howard G., Worcester, Mass., assignor to Rockwood Sprinkler Company. Apparatus for proportioning liquids. 2,580,011, Dec. 25.

Freeman, Roland J., Baldwin, N. Y. Cushioning assembly unit for back rests. 2,579,918, Dec. 25.

Fresh Frozen Foods Ltd., assignee: *See*— Burney, Charles D.

Freund, Gertrude E., assignor to Photo Research Corporation, San Fernando, Calif. Light measuring meter. 2,579,661, Dec. 25.

Friden Calculating Machine Co., Inc., assignee: *See*— Hopkins, George W., and Moody.

Fried, Celia, administratrix: *See*— Fried, Ernest.

Fried, Ernest, deceased, New York, N. Y., C. Fried, administratrix, assignor to Fried Steel Equipment Mfg. Corp. Strip conveyer. 2,580,086, Dec. 25.

Fried Steel Equipment Mfg. Corp., assignee: *See*— Fried, Ernest.

Friedberg, Milton R., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Antenna mounting. 2,580,350, Dec. 25.

Friedrich, Robert E., and W. M. Leeds, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,580,291, Dec. 25.

Friend, Floyd R., Lubbock, Tex. Crust breaking cultivator. 2,579,561, Dec. 25.

Fruechtel, Wilbert J., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Material handling apparatus. 2,579,562, Dec. 25.

Fuller, Leon B.: *See*— Murch, Harold L., Fuller, and Beardsley.

Funke, Albert, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Can body flanging mechanism. 2,579,919, Dec. 25.

Funsten, Stanard R., Pasadena, and F. W. Burgesser, Compton, assignors to Filtrol Corporation, Los Angeles, Calif. Coated seed. 2,579,732, Dec. 25.

Gabriel Company, The, assignee: *See*— Friedberg, Milton R.

Gabriel Steel Company, assignee: *See*— Donald, Archibald.

Gall, George R., Cleveland, Ohio. Window. 2,580,166, Dec. 25.

Gallinger, Clyde T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabric conveying apparatus. 2,579,563, Dec. 25.

Garber, Charles, Providence, R. I. Safety pin. 2,580,087 Dec. 25.

Garrard, Walter M., Atlanta, Ga. Dowel hole locator. 2,579,564, Dec. 25.

Gartner, John H., assignor to S. I. Keene, San Francisco, Calif. Hand gun cylinder control and trigger mechanism. 2,579,736, Dec. 25.

Gartner, Stanley J., Emporium, Pa., and A. E. Kulberg, Beverly, assignors to Sylvania Electric Products Inc., Salem, Mass. Conveyer. 2,580,222, Dec. 25.

Gastrock, Edward A.: *See*— Vix, Henry L. E., Spadaro, Pollard, Gastrock, Persell, and Murphy.

Gates, Dora E.: *See*— Wright, Mildred A., and Gates.

Gaylord Products, Incorporated, assignee: *See*— Weaver, Ruth K.

Gazda, Antoine, Providence, R. I. Water filtering and sediment removing device. 2,580,012, Dec. 25.

Gazda, Antoine, Providence, R. I. Cleaner and humidifier for carburetors. 2,580,013, Dec. 25.

Gazda, Antoine, Providence, R. I. Combined rearview mirror and direction indicating device. 2,580,014, Dec. 25.

Geary, Ira M., and B. J. Schwartz, Los Angeles, Calif. Metered bottle closure. 2,580,292, Dec. 25.

Gelinas, Thuribe, assignor to Hubbard Shoe Company, Incorporated, Rochester, N. H. Leather softening adhesive. 2,580,167, Dec. 25.

Gelpi, Maurice J.: *See*— Vore, Milton P., and Gelpi.

General Abrasive Company, Inc., assignee: *See*— Carpenter, Oliver J.

General Aniline & Film Corporation, assignee: *See*— Sargent, Donald E.

General Electric Company, assignee: *See*— Cooper, La Mar S.
Johnson, Robert H.
Newman, Richard J.
Reek, Donald C.
Smith, Henry M.
Summerhayes, Harry R., Jr., and Howells.
Worcester, Joseph A., Jr.
Worst, Joseph C.

General Films Limited, assignee: *See*— Murray, William E.

General Findings & Supply Co., assignee: *See*— Leach, Philip F.

General Instrument Corporation, assignee: *See*— Fisher, Berne N.

General Instruments Inc., assignee: *See*— Olson, Robert W.

General Mills, Inc., assignee: *See*— Jordan, Wesley A., and Wittcoff.
Roach, John R., and Wittcoff.

Genest, Homer A. and W. H., Danbury, Conn., assignors to United States Hat Machinery Corporation, New York, N. Y. Hat bat shrinking machine. 2,579,814, Dec. 25.

Genest, Warner H.: *See*— Genest, Homer A. and W. H.

Genéty, Louis, Lyon, France. Hydraulic change-speed gear. 2,579,920, Dec. 25.

Gennari, Giampiero: *See*— Koster, Heinrich, and Gennari.

George, Richard S., assignor to Hercules Powder Company, Wilmington, Del. Diesel fuel. 2,580,015, Dec. 25.

Gerstenzang, Ralph: *See*— Brownlie, John, Gerstenzang, and Blamey.

Gialanella, Joseph A., Newark, N. J., assignor to Celanese Corporation of America. Extrusion apparatus. 2,579,815, Dec. 25.

Giambonini, Guido, Bellinzona, Switzerland. Commutator motor brush holder. 2,579,565, Dec. 25.

Gianelloni, Sabin J., Jr., Baton Rouge, La. Wire fastener for securing sheet metal to imperforate frame members. 2,579,489, Dec. 25.

Gibbs, Thomas R., Washington, D. C. Combined sofa and Hollywood bed. 2,579,921, Dec. 25.

Gibson, Herbert, Toronto, Ontario, Canada. Ventilating device. 2,579,662, Dec. 25.

Gier, Joseph T., Oakland, L. M. K. Boelter, and R. Bromberg, Los Angeles, and E. R. Dempster, Orinda, assignors to The Regents of the University of California, Berkeley, Calif. Thermopile radiometer. 2,580,293, Dec. 25.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Pacey, John J.

Gilbert, Stanley W., Middletown, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Vapor trap. 2,580,016, Dec. 25.

Gilbert, William I., and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Synthesizing hydrocarbons. 2,579,663, Dec. 25.

Giordano, Costanzo, Jr., Chicago, Ill. Apparatus for rotating and spray painting disks. 2,579,737, Dec. 25.

Gisholt Machine Company, assignee: *See*—
Godfriaux, Louis E.

Giuffrida, Philip: *See*—
Thomson, E. Craig, and Giuffrida.

Glaxo Laboratories Limited, assignee: *See*—
Evans, Ronald M.
Hems, Benjamin A., and Clayton.

Gleasman, Vernon E., Elmira, N. Y. Scale. 2,579,664, Dec. 25.

Glendenning, Everette B.: *See*—
Wies, Calmy, Caron, and Glendenning.

Gloss, Gunter H., Redwood City, Calif., assignor to Merck & Co., Inc., Rahway, N. J. Manufacture of anhydrous magnesium carbonate. 2,580,168, Dec. 25.

Gluyas, Thomas M., Jr., Haddon Township, Camden County, N. J., assignor to Radio Corporation of America. Voltage regulator. 2,579,816, Dec. 25.

Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Tool feed for lathes. 2,579,566, Dec. 25.

Goebel, Elmer W., and G. F. Kurz, St. Louis, Mo. Motor handling device. 2,580,018, Dec. 25.

Goerdeler, Pearl P., Brooklyn, N. Y. Yarn winding frame. 2,580,088, Dec. 25.

Golden, Benjamin L., and T. J. Sullivan, Denver, Colo. Deborning paste applier with magazine feed. 2,580,169, Dec. 25.

Golden State Company, Ltd., assignee: *See*—
Peebles, David D., and Hensley.

Goldstein, Jacob, Mishawaka, Ind. Spring assembly. 2,579,818, Dec. 25.

Goldsworthy, Norman H., assignor to Continental Can Company, Inc., New York, N. Y. Double sheet detector. 2,579,922, Dec. 25.

Gonda, Desire, Sittingbourne, assignor to Holopast Limited, Kent, England. Apparatus for extracting mandrels from cavitied plastic structures. 2,580,223, Dec. 25.

Goodale, Thomas C., Oakland, Calif. Self-adjusting pump. 2,579,817, Dec. 25.

Goodcliff-Eecen Industries Pty. Limited, assignee: *See*—
Helmholtz, Kurt.

Goodkin, Philip P., assignee: *See*—
Solicito, Frank.

Goodman, Charles, New York, N. Y. Caisson. 2,580,017, Dec. 25.

Gordon, Rosalie A., Indianapolis, Ind. Face powder box. 2,579,490, Dec. 25.

Gould, Leslie R., and G. G. Wanless, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Washing butyl reactors with isobutylene. 2,580,019, Dec. 25.

Graef, Russell F., assignee: *See*—
Mannist, Milton.

Grand Rapids Store Equipment Company, assignee: *See*—
Vanderveld, Anthony.

Granger, Camille: *See*—
Zwilling, Jean-Paul, Bassoli, and Granger.

Grant, Horace C., assignor to Egan Cotton Mills, Inc., Atlanta, Ga. Knitting machine. 2,580,089, Dec. 25.

Grassie, Vernon R., assignor to Hercules Powder Company, Wilmington, Del. Cellulose sulfamylethyl ether. 2,580,351, Dec. 25.

Grassie, Vernon R., assignor to Hercules Powder Company, Wilmington, Del. Preparation of sulfoethyl ethers of polysaccharides. 2,580,352, Dec. 25.

Grazier, Doré W., Johnstown, Pa., assignor to United States Steel Company. Pile of T-rails and building it. 2,580,224, Dec. 25.

Great Lakes Carbon Corporation, assignee: *See*—
Hickey, John H.

Green, Milton W., Princeton, N. J., assignor to Radio Corporation of America. Color-kinescopes, etc. 2,579,665, Dec. 25.

Green, William G., Dallas, Tex., assignor to Engineering Laboratories, Incorporated, Tulsa, Okla. Drill bit. 2,579,819, Dec. 25.

Greene, Otto W., assignor to The Pfaudler Company, Rochester, N. Y. Controlling the flow of a fluid heat transfer medium. 2,579,567, Dec. 25.

Greer, Sam H., assignee: *See*—
Cesaroni, Venanzio.

Greiser, Rudolph F.: *See*—
Rosenman, Abraham W., and Greiser.

Griefen, Richard A., Conshohocken, and F. C. Mostertz, Philadelphia, Pa., assignors to Martin Fabrics Corporation, New York, N. Y. Replenishing narrow-ware loom. 2,579,491, Dec. 25.

Gries, Otto: *See*—
Morin, Louis H., and Gries.

Griffon, Gaston, assignor to Society called "Solex," S. A. R. L., Neuilly-sur-Seine, France. Fuel injection carburetor. 2,580,294, Dec. 25.

Grigsby, Bertram J., trustee, assignee: *See*—
Grigsby, Marion W., and Mehan.

Grigsby, Marion W., Arlington Heights, and T. O. Mehan, Park Ridge, assignors to Bertram J. Grigsby, Chicago, Ill., as trustee. Partial product machine. 2,580,295, Dec. 25.

Grimmer, Ernest A., Indianapolis, Ind. Thread cleaner. 2,580,170, Dec. 25.

Grinage, Claude M.: *See*—
Bullard, Edward P., III, and Grinage.

Guillon, Henri: *See*—
Le Coënt, Albert, Guillon, and Roubinet.

Gulf Research & Development Company, assignee: *See*—
Gilbert, William I., and Montgomery.
Morgan, Frank, Reed, and Muskat.
Topanelian, Edward Jr.

Günthart, Jacques: *See*—
Peter, Albin, and Gunthart.

Gurton, Henry T.: *See*—
Owen, Henry E. L., and Gurton.

Haayman, Pieter W.: *See*—
Snoek, Jacob L., Haayman, and Romeyn.

Habenicht, August F., Tinley Park, Ill. Fluid pump. 2,579,568, Dec. 25.

Haehnel, Herbert E.: *See*—
Ruehling, Frederick W., and Haehnel.

Hägglund, Erik H. M., South Port, Conn., and N. G. Rehnqvist, assignors to Aktiebolaget Kanthal, Hallstahammar, Sweden. Heat-resistant ferritic alloy. 2,580,171, Dec. 25.

Haller, Cecil E., Lititz, and W. R. Keye, Lancaster, Pa., assignors to Radio Corporation of America. Ultrahigh-frequency system employing neutralizing probes. 2,579,820, Dec. 25.

Ham, John L.: *See*—
Bens, Frederick P., Ham, and Parke.

Hamblet, Harold E.: *See*—
Herbert, Walter N., and Hamblet.

Hammond, Edmund B., Jr.: *See*—
Nagy, Edward J., and Hammond.

Hammond, John H., Jr., Gloucester, Mass. Volume expander with timing control. 2,580,020, Dec. 25.

Hand, James W., Jr.: *See*—
Matuszak, Alfred H., and Hand.

Handley, John, Purley, England, assignor to The Union Totalisator Company, Limited, Glasgow, Scotland. Ratio computing and indicating device for totalizators. 2,580,090, Dec. 25.

Hanes Hosiery Mills Company, assignee: *See*—
Hedgecock, Thomas L.

Hans, Charles A., Wood-Ridge, N. J., assignor to Jewel-Smiths, Inc., Boston, Mass. Diamond cutting machine. 2,579,666, Dec. 25.

Hansen, John E., North Wales, and T. J. Dietz, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Vulcanization of polymerized acrylic esters. 2,579,492, Dec. 25.

Hanson, Lars, assignor to Carrier Corporation, Syracuse, N. Y. Suction valve for reciprocating compressors. 2,579,667, Dec. 25.

Hardy, Paul E.: *See*—
Sparks, William J., and Hardy.

Hargreaves, Thomas F. S.: *See*—
Terry, Victor J., and Hargreaves.

Hargreaves, Wilfrid, Vancouver, British Columbia, Canada. Sterilizer test device. 2,579,738, Dec. 25.

Harrison, Charles H., assignee: *See*—
Secondi, Raymond G., and Vacheron.

Harrison, Henry J., El Paso, Tex. Rotating pointer chance device. 2,580,225, Dec. 25.

Hart, Russell, Los Angeles, Calif. Generating high-electrical potential. 2,580,021, Dec. 25.

Hartford National Bank & Trust Co., trustee, assignee: *See*—
Rinia, Herre, de Brey, and van Weenen.
Lorza, Ferando A. C.
Senders, Pieter F. M.
Snoek, Jacob L., Haayman, and Romeyn.

Hartley, Walter, Radcliff, England. Casing for the motors and spinning pots of textile spinning machines. 2,580,172, Dec. 25.

Hastings Manufacturing Company, assignee: *See*—
Phillips, Harold P.
Phillips, Harold P., and Ackerman.

Hatton, Willard J., Jackson, Mich., assignor, by mesne assignments, to Bituminous Coal Research, Inc., Washington, D. C. Adjustable temperature responsive device for combustion furnaces. 2,580,173, Dec. 25.

Hauck, Harry J., New Britain, and G. A. Highberg, West Hartford, Conn., assignors to Modern Tools, Incorporated. Electric gauge. 2,579,569, Dec. 25.

Hauptman, Frederic F., Rego Park, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Gyroscope and pendulum control system for airplanes. 2,579,570, Dec. 25.

Hayes, Joseph H., Lawrence, Mass. Detachable connector. 2,579,739, Dec. 25.

Heck, James R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Communication apparatus. 2,579,571, Dec. 25.

Hecker, Harvard K., Clayton, assignor to Curtis Manufacturing Company, St. Louis, Mo. Aligning means for vehicle hoists. 2,580,091, Dec. 25.

Hedgecock, Thomas L., assignor to Hanes Hosiery Mills Company, Winston-Salem, N. C. Stocking and production. 2,580,022, Dec. 25.

Helmholtz, Kurt, deceased, Flensburg, Germany; M. K. Helmholtz, administratrix, assignor to Goodcliff-Eecen Industries Pty. Limited, Sydney, Australia. Coating composition. 2,580,023, Dec. 25.

Helmholtz, Margarete K., administratrix: *See*—
Helmholtz, Kurt.

Hempel, Arthur C., Detroit, Mich. Bath implement. 2,580,226, Dec. 25.

Hems, Benjamin A., Northolt, and J. C. Clayton, Southall, assignors to Glaxo Laboratories Limited, Greenford, Middlesex, England. Preparation of thyroxine and its derivatives. 2,579,668, Dec. 25.

Henderson, Albert, assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa. Connection for precast concrete girders and beams. 2,580,174, Dec. 25.

Henderson, Eldon C., Paso Robles, Calif. Loss-preventing device for purses. 2,580,296, Dec. 25.

Hendricks, John G., Chatham, N. J., assignor to National Lead Company, New York, N. Y. Manufacture of vinyl resin compositions. 2,579,572, Dec. 25.

Henry, Harry H., assignor to Monark Silver King, Inc., Chicago, Ill. Bicycle brake conserving device. 2,579,573, Dec. 25.

Hensley, Guy P.: *See*—
Peebles, David D., and Hensley.

Herbert, Walter N., Kalamazoo, and H. E. Hamblet, Wyandotte, Mich. Pointer for fusible crayons, candles, and the like. 2,580,092, Dec. 25.

Herbig, Henry F., Mountain Lakes, N. J., and J. J. McManus, Valley Stream, assignors to International Standard Electric Corporation, New York, N. Y. Testing wound cores. 2,579,493, Dec. 25.

Herchenroeder, Louis W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,579,574, Dec. 25.

Hercules Powder Company, assignee: *See*—
George, Richard S.
Grassie, Vernon R.
Ivett, Reginald W.
Pyle, George H., and Tinsley.
Voris, Robers S.

Herdlein, Wallace, Chicago, Ill. Metal cleaning and pickling machine and conveyer system therefor. 2,579,575, Dec. 25.

Hermann, Edward C., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. N-(2-thenoylmethyl) hexamethylenetetraminium halides. 2,579,494, Dec. 25.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call data recording telephone system. 2,580,093, Dec. 25.

Hickey, John H., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Cracking with acid-treated clay catalyst. 2,579,576, Dec. 25.

Hicks, James C.: *See*—
Austin, Leslie W., and Hicks.

Hiemenz, Vera D., Montrose, Calif. Convertible folding reading stand. 2,579,740, Dec. 25.

Higgs, Alfred, Harrisburg, Pa. Metatarsal cushion. 2,580,094, Dec. 25.

Highberg, George A.: *See*—
Hauck, Harry J., and Highberg.

Hill, Glenn E., deceased, Los Angeles, Calif.; F. Dieterich, administratrix, assignor, by mesne assignments, to J. G. Myer and J. F. Dieterich, Jr., Los Angeles, Calif. Vertically adjustable foot stool. 2,579,577, Dec. 25.

Hillyer, John C., and J. F. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic isomerization of acetylenic hydrocarbons. 2,579,669, Dec. 25.

Hird, James P.: *See*—
Pekar, Joseph C., and Hird.

Hjärpe, Eric G., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Hydraulic pressure transformer. 2,579,670, Dec. 25.

Hobbs Manufacturing Company, assignee: *See*—
Akey, Richard P.

Hoeber, Barbara O. W., executor: *See*—
Hoeber, Harold.

Hoeber, Harold, deceased, by B. O. W. Hoeber and W. T. Read, executors, Dartmouth, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Shuttle guide. 2,580,297, Dec. 25.

Hoffman, Morris, Pottstown, Pa. Adjustable garment for children. 2,580,024, Dec. 25.

Hoffmann-La Roche Inc., assignee: *See*—
Surmatis, Joseph D.

Hohnstein, Deward B., Denver, Colo. Combustion type air heater for house trailers. 2,579,821, Dec. 25.

Holden, William H. T., Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic code pulse transmitting circuit. 2,580,095, Dec. 25.

Holl, James W. F., Los Angeles, Calif. Pressure type clothes pounder. 2,579,671, Dec. 25.

Holmes, August, Cranford, N. J., assignor to Standard Oil Development Company. Antifouling pipe line enamel. 2,580,025, Dec. 25.

Holmes, Elbridge R., Worcester, and P. L. Safford, Shrewsbury, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Lay for narrow ware looms. 2,580,175, Dec. 25.

Holopast Limited, assignee: *See*—
Gonda, Desire.

Holt, Grace: *See*—
Holt, John L., and Grace.

Holt, John L. and G., Kalamazoo, Mich. Dispensing container. 2,580,096, Dec. 25.

Homeier, Otto F., Baldwin, and L. Scheib, Brooklyn, assignors to United States Rubber Company, New York, N. Y. Belt covering machine. 2,579,822, Dec. 25.

Homrighous, John H., Oak Park, Ill. System for controlling the path of bombs and projectiles. 2,579,823, Dec. 25.

Hook, Donald E.: *See*—
De Pree, Lee, Barry, and Hook.

Hoover, Dillon B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current generator. 2,579,579, Dec. 25.

Hoover, Joseph C., Detroit, Mich. Gauge. 2,580,227, Dec. 25.

Hopkins, George W., San Leandro, and J. L. Moody, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Automatic stop for calculating machines. 2,580,298, Dec. 25.

Hoppe, Robert C.: *See*—
Ensign, George G., Hoppe, and Soper.

Hopper, Samuel E., Crafton, Pa. Adjustable guide arm. 2,579,923, Dec. 25.

Horn, Thurman W., Anniston, Ala. Oil testing chart and holder therefor. 2,579,824, Dec. 25.

Horst, E. Clemens Company, assignee: *See*—
Miller, George E.

Horstman, Clifford C., Sharpsville, C. E. Burkhardt, and B. B. Ellis, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase core. 2,579,578, Dec. 25.

Horstmann, Sidney A., Bath, England. Electrically driven hair clipper and the like. 2,579,924, Dec. 25.

Horton, Mason E.: *See*—
Clark, James L., and Horton.

Horvath, John F.: *See*—
Chamberlin, John W., and Horvath.

Hossac Mills Corporation, assignee: *See*—
Hoeber, Harold.

Houdry Process Corporation, assignee: *See*—
Kollgaard, Reyner.

Houston-Fearless Corporation, assignee: *See*—
Houston, Herbert W.

Houston, Herbert W., Sherman Oaks, assignor, by mesne assignments, to Houston-Fearless Corporation, Los Angeles, Calif. Motion-picture film developer feeding device. 2,579,741, Dec. 25.

Houston, William L., Jr., Phillips, Tex., assignor to Phillips Petroleum Company. Catalyst chamber. 2,579,672, Dec. 25.

Howells, Paul W.: *See*—
Summerhayes, Harry R., Jr., and Howells.

Howk, Benjamin W., and C. M. Langkammerer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanoethylation. 2,579,580, Dec. 25.

Hubbard Shoe Company, Incorporated, assignee: *See*—
Gelinas, Thuribe.

Huber, Harry: *See*—
Dohler, Oskar, Huber, and Kleen.

Huber, J. M., Corporation, assignee: *See*—
Voet, Andries.

Hunicke, August B., Spring Hill, Ala. Pile driving measuring instrument. 2,580,299, Dec. 25.

Hunt, C. B., & Son, Inc., assignee: *See*—
Hunt, Nathan C.

Hunt, Everett M., Portsmouth, N. H. Leakage testing apparatus. 2,579,495, Dec. 25.

Hunt, Nathan C., assignor to C. B. Hunt & Son, Inc., Salem, Ohio. Fluid pressure intensifier. 2,580,353, Dec. 25.

Hustad, Hugo R., Detroit, Mich. Leader film. 2,579,581, Dec. 25.

Huston, William D., Cranford, N. J., and J. M. Brady, Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Switch arrangement on phonograph pickup. 2,579,496, Dec. 25.

Hutchins, Joseph W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Analyzer. 2,579,825, Dec. 25.

Hydrocarbon Research, Inc., assignee: *See*—
Jenny, Frank J.

I-T-E Circuit Breaker Company, assignee: *See*—
Scott, Ashton T.
Wood, Joseph D.

Ilex Optical Company, assignee: *See*—
Schwarz, Alfred.

Ilgenfritz, Lester M., Mamaroneck, N. Y., and R. W. Ketchledge, Middlesex, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for testing cable repeater. 2,580,097, Dec. 25.

Illinois Tool Works, assignee: *See*—
Poupitch, Ogljesa J.
Rees, Clarence A.

Imperial Chemical Industries Limited, assignee: *See*—
Crawford, Frederick A. F.

Ingalls Shipbuilding Corporation, The, assignee: *See*—
Rutledge, Howard C., and Adler.

Ingram, George O., and A. Contos, Toledo, Ohio. Carrier device for construction blocks. 2,579,826, Dec. 25.

Interchemical Corporation, assignee: *See*—
Cassel, Norman S., and Clifford.
Lee, Ernest D., Schefbauer, and Berberich.

Interior, United States of Ameria as represented by the Secretary of the, assignee: *See*—
Zadra, John B.

International Business Machines Corporation, assignee: *See*—
Kistner, Harold J.

International Standard Electric Corporation, assignee: *See*—
Barnard, Roy M., and Stray.
Brown, Andrew.
Chatterjea, Prafulla K.
Herbig, Henry F., and McManus.
Terry, Victor J.
Terry, Victor J., and Hargreaves.
Wright, Esmond P. G., van Hasselt, and Weir.

Isbister, Eric J., Forest Hills, N. Y., assignor to The Sperry Corporation. Radio pulse system. 2,579,497, Dec. 25.

Ivett, Raginald W., assignor to Hercules Powder Company, Wilmington, Del. Pine wood resin of increased melting. 2,580,098, Dec. 25.

Jackson, Elwood F.: *See*—
Scott, Milton J., Jackson, and Basdekis.

Jackson, George F., Baltimore, Md., assignor to Continental Can Co., Inc., New York, N. Y. Temperature control for feeding cans. 2,579,925, Dec. 25.

Jackson, John G., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,579,673, Dec. 25.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lost motion torque transmitting means. 2,580,026, Dec. 25.

Jacobson, Samuel: *See*—
Pollard, Lloyd F.

Jaeger, Clemens O., Milwaukee, Wis. Double magnetic holding device. 2,580,099, Dec. 25.

Jahn, Herbert W., and E. H. Blank, Savanna, assignors, by mesne assignments, to Pressed Steel Car Company, Inc., Chicago, Ill. Tandem axle vehicle. 2,579,582, Dec. 25.

Jeffrey Manufacturing Company, The, assignee: *See*—
Mercier, Stanley M.
Strawn, Orval R.

Jenny, Frank J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Producing oxygen. 2,579,498, Dec. 25.

Jet Heet, Inc., assignee: *See*—
MacCracken, Calvin D.

Jewel-Smiths, Inc., assignee: *See*—
Hans, Charles A.

Johansen, Gordon W., and W. E. Copley Livingston, said Copley assignor to W. A. Yocom, Atwater, Calif. Implement raising and locking device. 2,580,100, Dec. 25.

Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Heating pad control system. 2,579,926, Dec. 25.

Johnson, Clarence L., Encino, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Adjustable empennage. 2,580,176, Dec. 25.

Johnson, Dorothy E., Havertown, assignor to C. W. H. Schroth, Jr., Abington, Pa. Detachable receptacle for portable baby bathing outfits. 2,579,674, Dec. 25.

Johnson, George W., Emeryville, assignor to W. Bence, Los Angeles, Calif. Weiner roaster. 2,579,827, Dec. 25.

Johnson, Harwick, Princeton, N. J., assignor to Radio Corporation of America. Line-contact semiconductor device. 2,580,027, Dec. 25.

Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Polyalkyl benzophenone mixture. 2,580,300, Dec. 25.

Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. Polyvinyl chloride resin plasticized with a mixture of polyalkylated benzophenones. 2,580,301, Dec. 25.

Johnson, Ralph E., Rahway, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine work-holding attachment for darning and embroidering. 2,580,101, Dec. 25.

Johnson, Robert H., Schenectady, N. Y., assignor to General Electric Company. Supersonic wind tunnel. 2,580,228, Dec. 25.

Johnson, William B., Far Hills, assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,579,828, Dec. 25.

Johnson, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Segmental blading. 2,579,583, Dec. 25.

Johr, Olga, Basel, Switzerland. Opposed cylinder air compressor. 2,579,927, Dec. 25.

Jones & Lamson Machine Company, assignee: *See*—
Murch, Harold L., Fuller, and Beardsley.

Jones, Sam P., Dallas, Tex. Liquefied fuel vaporizer. 2,580,102, Dec. 25.

Jones, Vincent W., Cleveland Heights, Ohio. Fluid type switch. 2,580,302, Dec. 25.

Jongeneel, Albert M., assignee: *See*—
Lea, Henry V.

Jordan, Wesley A., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Synthetic oils. 2,579,499, Dec. 25.

Joyce, John R., London, England, assignor to Shell Development Company, San Francisco, Calif. Liquid fuel burner with oil precirculation. 2,579,829, Dec. 25.

Kachelhoffer, Joseph R., Joliet, Ill. Hand-harvesting tool. 2,579,584, Dec. 25.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Austin, Leslie W., and Hicks.
Vettel, Arthur W.

Kangas, Ernest J., Duluth, Minn. Primary ignition system. 2,579,928, Dec. 25.

Kaplan, Leo I., Detroit, and G. von Reis, Grosse Pointe, assignors to Detroit Broach Company, Detroit, Mich. Work clamping device. 2,579,675, Dec. 25.

Kaufman, Henry D., Los Angeles, Calif., now by judicial change of name H. K. De Lancey. Hydraulic pump and motor door operating mechanism. 2,579,742, Dec. 25.

Kaufman, H. J., Detroit, Mich. Apparatus for dehydrating air. 2,579,830, Dec. 25.

Keene, Samuel I., assignee: *See*—
Gartner, John H.

Keinath, George, Larchmont, N. Y. Storing and reproducing measured quantities. 2,579,831, Dec. 25.

Keller, Nellie G., and W. J. Keller, St. Louis, Mo. Combined shelf and wall protector. 2,580,103, Dec. 25.

Keller, William J.: *See*—
Keller, Nellie G., and W. J.

Kelliher, Charles, New York, N. Y. Reversible window sash. 2,580,177, Dec. 25.

Kellogg, Dorcey E., and A. T. Scheiwer, Erie, Pa., said Kellogg assignor to said Scheiwer. Haircutting device. 2,579,676, Dec. 25.

Kellogg, M. W., Company, The, assignee: *See*—
Johnson, William B.
Mader, Charles K.
McGrath, Henry G., and Rubin.

Kemper, Harry C.: *See*—
Le Blond, Richard K., and Kemper.

Kendall Company, The, assignee: *See*—
Mott, Carl W.
Riordan, Howard C., and Bethke.

Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Long-range haulage conveyer system. 2,580,229, Dec. 25.

Kent-Owens Machine Company, assignee: *See*—
Tremblay, Albert F.

Kep-Dri Corporation, assignee: *See*—
Pekar, Joseph C., and Hird.

Kern, Walter: *See*—
Sutter, Paul, and Kern.

Kervarrec, Bernard, Paris, France. Motor plant for cargo boats and like sea boats. 2,579,929, Dec. 25.

Kerwin, James F. and G. E. Ullyot assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-(phenoxyisopropyl) - N - thenyl - beta - halo - ethylamines. 2,579,500, Dec. 25.

Ketchledge, Raymond W.: *See*—
Ilgenfritz, Lester M., and Ketchledge.

Keye, William R.: *See*—
Haller, Cecil E., and Keye.

Kinch, Allen C., South Bend, Ind. Gauge for measuring width and lead in screw threads. 2,579,832, Dec. 25.

King, Carl B., Bluefield, W. Va. Tool with cushioned hand grip. 2,579,930, Dec. 25.

King, Virgil L., El Dorado, Kans. Fishing lure. 2,580,104, Dec. 25.

Kirkwood, Loren R.: *See*—
Torre, Alton J., and Kirkwood.

Kirshen, Howard R.: *See*—
Seymour, George W., White, and Kirshen.

Kistner, Harold J., Union, N. J., assignor to International Business Machines Corporation, New York, N. Y. Storage device for record controlled computers. 2,580,303, Dec. 25.

Kleen, Werner: *See*—
Dohler, Oskar, Huber, and Kleen.

Klein, Morris, assignor to Eskimo Pie Corporation, Bloomfield, N. J. Defrosting apparatus for freezing molds. 2,579,931, Dec. 25.

Klinksiek, Karl, Richmond Heights, assignor to Wagner Electric Corporation, St. Louis, Mo. Stator winding machine. 2,579,585, Dec. 25.

Knee, Simon, Newark, N. J. Combination billfold and purse. 2,579,833, Dec. 25.

Kobernick, Sergius T., Salt Lake City, Utah. Sewage distillation process. 2,579,932, Dec. 25.

Koch, Winfield R., Marlton, N. J., assignor to Radio Corporation of America. Superregenerative receiver. 2,580,028, Dec. 25.

Kockums Mekaniska Verkstads Aktiebolog, assignee: *See*—
Brodén, John G. M.

Kollgaard, Reyner, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Moving catalyst conversion system. 2,579,834, Dec. 25.

Kollsman Instrument Corporation, assignee: *See*—
Carbonara, Victor E.
Carbonara, Victor E., and Andresen.
Hauptman, Frederic F.

Koster, Heinrich, Milan, and G. Gennari, Santa Maria Maggiore, assignors to Carlo Erba S. p. A., Milan, Italy. Soluble salts of sulfonamides. 2,579,933, Dec. 25.

Kraft, Joseph K., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker operation counter. 2,580,304, Dec. 25.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Separation of wax by filtration with flue gas chilling. 2,579,501, Dec. 25.

Krasney, Norman, Los Angeles, Calif. Folding table with crosslegs and braces. 2,579,934, Dec. 25.

Krauss, Carl, Chicago, Ill. Showcase. 2,580,029, Dec. 25.

Kremer, John, Cleveland, Ohio. Disappearing image in bottle. 2,580,305, Dec. 25.

Kroft, Herbert M., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic phase shifter. 2,579,586, Dec. 25.

Kronquest, Alfred L., and M. M. Sedwick, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Vacuumizing and sealing apparatus. 2,579,935, Dec. 25.

Krumreich, Charles L., Whippany, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switch and mounting. 2,580,105, Dec. 25.

Kuhn, George F., Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y. Catalyst regeneration. 2,579,678, Dec. 25.

Kulberg, August E.: *See*—
Gartner, Stanley J., and Kulberg.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Improved polyvinyl acetate emulsion capable of depositing water-resistant films and bonds. 2,580,230, Dec. 25.

Kurkjian, Phillip, Selma, and E. J. Derderian, Fesno, Calif. Shoe tap. 2,579,677, Dec. 25.

Kurlandsky, Sam, assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Dry cell and electrode therefor. 2,579,743, Dec. 25.

Kurz, Gustav F.: *See*—
Goebel, Elmer W., and Kurz.

Kvarnatrom, Alfred T., Dearborn, Mich. Collapsible high chair. 2,580,178, Dec. 25.

Lamm, Raymond R., Philadelphia, Pa., assignor to The Patent and Licensing Corporation, New York, N. Y. Hanger. 2,580,231, Dec. 25.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heeling machines. 2,579,936, Dec. 25.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product containing a rupturable container. 2,579,587, Dec. 25.

Landauer, Fred, Rockville Centre, N. Y. Hydroelectric treatment plant with air supply. 2,580,232, Dec. 25.

Langkammerer, Carl M.: *See*—
Howk, Benjamin W., and Langkammerer.

Larsen, Karl M., Minneapolis, Minn. Foldable golf bag carrier. 2,579,937, Dec. 25.

Lather, Carl, Chicago, Ill., assignor to Redi-Rip Company, Milwaukee, Wis. Form separator. 2,579,835, Dec. 25.

Lathrop-Paulson Company, assignee: *See*—
Vincent, Willard V.

Lattimer, Bernard J., Springfield, Minn. Hog feeder trough. 2,580,106, Dec. 25.

Laurie, Kenneth S., assignor to J. Dalglish, Glasgow, Scotland. Synchronized stenter drive. 2,580,233, Dec. 25.

Lea, Henry V., Rio Vista, Calif., assignor of twenty-one and one-fourth per cent to C. A. Loucks, thirty-six and one-fourth per cent to L. K. Schmidt, twenty-one and one-fourth per cent to A. M. Jongeneel, and twenty-one and one-fourth per cent to N. Rutherford, administrator of the estate of G. P. du Bose, deceased. Sugar beet leaf defoliator. 2,579,837, Dec. 25.

Leach Company, assignee: *See*—
Leach, Elbert C., Manthie, and Clapp.

Leach, Elbert C., O. F. Manthie, and G. D. Clapp, assignors to Leach Company, Oshkosh, Wis. Silo unloader. 2,580,306, Dec. 25.

Leach, Philip F., Attleboro, Mass., assignor to General Findings & Supply Co. Ear ornament clasp. 2,579,588, Dec. 25.

Le Blond, R. K., Machine Tool Co., The, assignee: *See*—
Le Blond, Richard K., and Kemper.

Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Milling machine feed drive transmission. 2,580,307, Dec. 25.

Leccese, Frank, assignee: *See*—
Spadola, James V.

Lecher, Hans Z., Plainfield, and D. R. Eberhart, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Acylation of diarylguanidine salts of diaminostilbene sulfonic acids. 2,580,234, Dec. 25.

Le Coënt, Albert, H. Guillon, and R. Roubinet, assignors to the Société Anonyme so-called: Office Central de Chauffe Rationnelle, Paris, France. Apparatus for vaporizing heavy liquid fuels. 2,580,179, Dec. 25.

Lee, Ernest D., Teaneck, R. J. Schefbauer, Jr., Union City, and O. P. Berberich, Jersey City, N. J., assignors to Interchemical Corporation, New York, N. Y. Printing inks. 2,579,836, Dec. 25.

Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Pressure regulating apparatus. 2,580,030, Dec. 25.

Leeds, Winthrop M.: *See*—
Friedrich, Robert E., and Leeds.

Leeds, Winthrop M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker with disconnect. 2,580,354, Dec. 25.

Leffler, Marlin T., Lake Bluff, assignor to Abbott Laboratories, North Chicago, Ill. Stable vitamin B_{12} composition. 2,579,679, Dec. 25.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Key support. 2,579,838, Dec. 25.

Lehmberg, William H., Riverside, Conn., assignor to American Felt Company, Boston, Mass. Storage battery separator. 2,579,589, Dec. 25.

Leighton, Charles R., Limestone, Maine. Planer blade grinding attachment. 2,579,680, Dec. 25.

Leinweber, Peter, Vancouver, British Columbia, Canada. Envelope opener. 2,579,744, Dec. 25.

Leitner, Leonidas T., Marion, S. C. Tobacco curing barn. 2,579,681, Dec. 25.

Lellep, Otto G., Berkeley, Calif. Manufacturing wet process cement. 2,580,235, Dec. 25.

Lempert, Irving E., Maywood, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Ion trap magnet. 2,580,355, Dec. 25.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency modulator. 2,579,590, Dec. 25.

Le Page's Inc., assignee: *See*—
Kunze, Walter G., and Evans.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Hitch for earth compacting unit. 2,579,839, Dec. 25.

Leven, Milton M.: *See*—
Minter, Herbert F., and Leven.

Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Hydraulic steering mechanism for airplanes. 2,579,840, Dec. 25.

Ley, Gordon S., Groveland, Mass., C. J. Miller, and A. A. Nims, Jr., Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay system. 2,579,591, Dec. 25.

Liebhart, Dorsey M., and P. S. Dunaway, Portland, Oreg. Temperature control valve. 2,579,938, Dec. 25.

Liljeström, Gustaf V., assignor to Aktiebolaget Åtvidabergs Industries, Atvidaberg, Sweden. Accumulator engaging mechanism for adding and subtracting machines. 2,580,031, Dec. 25.

Lindelöf, Tore H., Stockholm, Sweden. Sliding extension leaf for tables and cabinets. 2,580,032, Dec. 25.

Lindenfelser, Richard, Stamford, Conn., and C. L. Michaud, Philadelphia, Pa., assignors to American Cyanamid Company, New York, N. Y. Molding composition and articles produced therefrom. 2,579,939, Dec. 25.

Lindenthal, Walter, Freeport, N. Y. Wood-swelling composition and a joint produced therewith. 2,580,308, Dec. 25.

Little, Alfred E., assignor to Busch Precision Camera Corporation, Chicago, Ill. Camera track structure. 2,580,309, Dec. 25.

Lobelle, Marcel J. O., assignor to Messrs. M. L. Aviation Company Limited, White Waltham, Maidenhead, England. Pilot seat ejector for aircraft. 2,579,683, Dec. 25.

Lobrovich, William J., Santa Clara, Calif., assignor to Continental Can Company, Inc., New York, N. Y. Pneumatic stripper. 2,579,940, Dec. 25.

Lockheed Aircraft Corporation, assignee: *See*—
Johnson, Clarence L.

Lockyer, John S., assignor to Ferguson Radio Corporation Limited, London, England. Cathode-ray tube. 2,579,941, Dec. 25.

Loewi, Siegfried, Tel Aviv, Palestine. Laminated insole with arch support. 2,579,592, Dec. 25.

Lombard, Adrian A., Allestree, K. I. C. Vincent, Alvaston and F. W. W. Morley, Aston-on-Trent, assignors to Rolls-Royce Limited, Derby, England. Axial-flow compressor on turbine. 2,579,745, Dec. 25.

Long, Mary M., assignee: *See*—
Smith, Fred J.

Long, Richard H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch and throttle control mechanism. 2,580,107, Dec. 25.

Long, Richard H., and E. R. Price, assignors to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,580,108, Dec. 25.

Loose, Theron C., Elyria, Ohio. Pallet stacking device. 2,579,685, Dec. 25.

Lorens, Anton, Buffalo, N. Y. Reclining article of furniture. 2,579,502, Dec. 25.

Lorza, Fernando A. C., Madrid, Spain, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Station-indicating system for radiogramophones comprising mechanism for allowing the turntable to move outwards. 2,579,684, Dec. 25.

Loucks, Claude A., assignee: *See*—
Lea, Henry V.

Love, Raymond G., Byron, Mich. Tractor hitch. 2,580,109, Dec. 25.

Loweth, Joseph H., and J. E. Scharff, New Rochelle, N. Y. Heater. 2,580,033, Dec. 25.

Lubin, George, New York, N. Y., and R. R. Winans, West Caldwell, N. J. Impact testing machine. 2,579,503, Dec. 25.

Lucas, Sarah, assignee: *See*—
Deane, John.

Lucht, Fred J.: *See*—
Boyd, Thomas, and Lucht.

Lüdi, Fritz, Baden, assignor to "Patelhold" Patentverwertungs-& Elektro-Holding A.-G., Glarus, Switzerland. Magnetron generator. 2,579,593, Dec. 25.

Ludwig, Louis, New York, N. Y. Electric switch construction. 2,579,841, Dec. 25.

Lummus Company, The, assignee: *See*—
Davis, Hyman R., and Santaniello.
Kraft, Wheaton W.
Winters, Edward J.

Lundberg, William J., Warren Point, N. J. Wax distributing applicator. 2,579,842, Dec. 25.

Lurie, Benjamin L., Chicago, Ill. Pipe wrench of the type that embodies opposed jaw-equipped arms with an adjusting screw therebetween. 2,579,594, Dec. 25.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,579,504, Dec. 25.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,579,505, Dec. 25.

Lyon, George A., Detroit, Mich. Wheel cover. 2,579,506, Dec. 25.

Lyons, Richard T., Toronto, Ontario, Canada, assignor to The Patent and Licensing Corporation, New York, N. Y. Covered expansion joint. 2,580,034, Dec. 25.

Maack, Henry W.: *See*—
Eckman, Harry A., and Maack.

Mabry, Melvin, Elmer, Mo. Rotary tool carrying tractor attachment device. 2,580,110, Dec. 25.

MacCracken, Calvin, D., Tenafly, assignor to Jet-Heet, Inc., Englewood, N. J. Warm-air heating system utilizing as the fuel a combustible gas. 2,579,507, Dec. 25.

Mack, Charles, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Improving flow properties of asphalt. 2,580,035, Dec. 25.

MacLean, Thomas T., assignor to Anglo-Iranian Oil Company Limited, London, England. Protective hood. 2,579,942, Dec. 25.

Mader, Charles K., Cresskill, assignor to The M. W. Kellogg Company, Jersey City, N. J. Manufacture of synthesis gas. 2,579,843, Dec. 25.

Magnenat, René P., assignor to Waterbury Companies, Incorporated, Waterbury, Conn. Plastic snap hinge. 2,580,310, Dec. 25.

Mallory, Robert E., Oklahoma City, Okla. Service signal for restaurants and the like. 2,579,686, Dec. 25.

Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Machine for folding limp, flat articles. 2,579,746, Dec. 25.

Maltine Company, The, assignee: *See*—
Steinberg, Eliot.

Mannist, Milton, Prospect Park, Pa., assignor of one-third to G. Finkelstein, and one-third to R. F. Graef, Philadelphia, Pa. Heating system. 2,580,111, Dec. 25.

Mansfield Sanitary Pottery, Inc., assignee: *See*—
Smith, Harry F.

Manthie, Otto F.: *See*—
Leach, Elbert C., Manthie, and Clapp.

Marchand, Adolph, Jackson Heights, N. Y. Structural frame unit for mounting decorative strips. 2,579,943, Dec. 25.

Marchetti, Augusto, Milan, Italy. Cycle trailer hitch. 2,580,112, Dec. 25.

Markham & Company Limited, assignee: *See*—
Spragg, Harry.

Marlboro Wire Goods Company, assignee: *See*—
Moineau, Hector E.

Marr, Earl B., Santa Clara, Calif. Automatically injecting fuel into engines. 2,579,687, Dec. 25.

Marshall, Donald E., Summit, N. J., assignor to Colgate-Palmolive-Peet Company. Process and apparatus for coating particulate material. 2,579,944, Dec. 25.

Martin, Charles A., assignor of one-half to H. K. Brasfield, Tupelo, Miss. Technician's bench plate. 2,579,844, Dec. 25.

Martin Fabrics Corporation, assignee: *See*—
Griefen, Richard A. and Mostertz.

Martin, Gayle, Milwaukee, Wis. Cork pistol. 2,580,356, Dec. 25.

Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Compound-feeding apparatus. 2,579,747, Dec. 25.

Martiri, Roberto, Buenos Aires, Argentina. Generator for hydrocarbon burners. 2,580,113, Dec. 25.

Marvin, Stanley, Oakland, and W. H. Orth, San Carlos; said Orth assignor, by mesne assignments, to Peerco Corporation, San Francisco, and said Marvin assignor, by mesne assignments, to Daco Metal Products, Oakland, Calif. Driving mechanism for walking seam conveyers. 2,580,114, Dec. 25.

Mascaro, Anthony, assignee: *See*—
Mascaro, Thomas C.

Mascaro, Thomas C., assignor of one-half to A. Mascaro, West Point, Pa. Turf penetrating machine and element therefor. 2,580,236, Dec. 25.

Matchett, Mahlon M., Detroit, Mich., assignor, by mesne assignments, to McKee Door Company, Aurora, Ill. Door operating mechanism. 2,580,311, Dec. 25.

Matthews, Fredrick A., Van Nuys, Calif. Folding landing net. 2,579,748, Dec. 25.

Matuszak, Alfred H., Jersey City, and J. W. Hand, Jr., Summit, N. J., assignors to Standard Oil Development Company. Rust inhibiting composition. 2,580,036, Dec. 25.

Maupin, Lillian F., Canadian, Tex. Yarn doll cap. 2,579,945, Dec. 25.

McClain, Herbert K., Cincinnati, assignor to The Procter & Gamble Company, Ivorydale, Ohio. Filtering glyceride oils. 2,579,946, Dec. 25.

McConnell, David H.: *See*—
Aller, Willis F., and McConnell.

McConnell, Frank, assignor to The American Hardware Corporation, New Britain, Conn. Latch. 2,580,237, Dec. 25.

McCormick, Connie M., Hialeah, Fla. Vehicle hoist. 2,579,688, Dec. 25.

McDuffie, Bruce, Princeton, N. J., A. D. Schelberg, New York, N. Y., and R. W. Thompson, Minneapolis, Minn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for the preparation of metal halides. 2,580,357, Dec. 25.

McFarland, Frank R., Houston, Tex., assignor to Sheffield Steel Corporation. Rotary steel scrap shearing machine. 2,580,115, Dec. 25.

McGeorge, Herbert: *See*—
Rowell, George S., and McGeorge.

McGrath, Henry G., E. and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,580,116, Dec. 25.

McIlwaine, Warnock M., San Pedro, Calif. Canvas awning attachment. 2,579,947, Dec. 25.

McKee Door Company, assignee: *See*—
Matchett, Mahlon M.

McLane, Fletcher E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety device for presses. 2,579,595, Dec. 25.

McMackin, Robert E., and H. P. Becker, Dallas, Tex.; said Becker assignor to said McMackin. Stadia rod. 2,580,117, Dec. 25.

McManus, John J.: *See*—
Herbig, Henry F., and McManus.

McNamar Boiler & Tank Company, Inc., assignee: *See*—
Branson, Raymond J.

McNulty, George M.: *See*—
Cyphers, Elmer B., and McNulty.

McWherter, Archibald R., Peoria, Ill. Expansion closure plug. 2,579,845, Dec. 25.

Meade, Richard K.: *See*—
Peebles, David D., Clary, and Meade.

Medlar, Lewis A.: *See*—
Pruitt, Virgil H., and Medlar.

Mehan, Thomas O.: *See*—
Grigsby, Marion W., and Mehan.

Mellen, Reginald B., Oakland, Calif., assignor to Bemiss-Jason Company. Folding cartons. 2,580,180, Dec. 25.

Mellen, Reginald B., Oakland, Calif., assignor to Bemiss-Jason Company. Self-locking folding box. 2,580,181, Dec. 25.

Meltzer, Jack, Los Angeles, Calif. Procedure for making slip-lasted shoes with full-length sock lining and preformed counter. 2,580,037, Dec. 25.

Mercier, Emile, assignor to Etablissements Mercier, Saint-Etienne, Loire, France. Bicycle, tandem, or like frame. 2,580,118, Dec. 25.

Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Sprocket wheel construction. 2,579,749, Dec. 25.

Merck & Co., Inc., assignee: *See*—
Gloss, Gunter H.
Wolf, Donald E.

Merwin, Harry H., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Shearing machine. 2,579,750, Dec. 25.

Messrs. M. L. Aviation Company Limited, assignee: *See*—
Lobelle, Marcel J. O.

Meyers, George L., assignor, by mesne assignments, to The Ohio Rubber Company, Willoughby, Ohio. Pillow block. 2,580,119, Dec. 25.

Michaud, Clarence L.: *See*—
Lindenfelser, Richard, and Michaud.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Mineral oil containing resinified esters of salicylic acid. 2,580,038, Dec. 25.

Miller, Coleman J.: *See*—
Ley, Gordon S., Miller, and Nims.

Miller, Cornell M., Philadelphia, Pa. Sleeping bag. 2,579,948, Dec. 25.

Miller, George E., Sacramento, assignor to E. Clemens Horst Company, San Francisco, Calif. Sack tie. 2,579,689, Dec. 25.

Miller, William T., Ithaca, N. Y., A. L. Dittman, Jersey City, N. J., and S. K. Reed, Lewisburg, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission. Storing perhaloacetyl peroxide and stabilized perhaloacetyl peroxide. 2,580,358, Dec. 25.

Millien, Albert: *See*—
Fawcett, Eric W. M., and Millien.

Mills, Bryan F. F., Inc., assignee: *See*—
Cobert, Arthur J.

Mills, Howard V.: *See*—
Adams, Cecil E., Mills, and Biasutta.

Milstine, Albert H.: *See*—
Achler, Maurice E., and Milstine.

Minit-Man, Inc., assignee: *See*—
Rousseau, Leo J.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Baak, Albert E.
Chudyk, Alex B.
Wilson, John M.

Minnear, Festus L., Mount Vernon, Ohio, assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Laminated product and laminating. 2,579,949, Dec. 25.

Minter, Herbert F., and M. M. Leven, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polymerizing large bodies of resins. 2,579,596, Dec. 25.

Modern Tools, Incorporated, assignee: *See*—
Hauck, Harry J., and Highberg.

Mog, Henry V.: *See*—
Adams, Cecil E., Biasutta, and Mog.

Moineau, Hector E., assignor to Marlboro Wire Goods Company, Marlborough, Mass. Portable electric lamp guard provided with a pivoted door. 2,580,359, Dec. 25.

Molins, Desmond W., F. F. Ruau, and A. E. Francis, assignors to Molins Machine Company Limited, London, England. Apparatus for feeding cut tobacco. 2,579,950, Dec. 25.

Molins Machine Company Limited, assignee: *See*—
Molins, Desmond W., Ruau, and Francis.
Ruau, Félix F.

Monark Silver King, Inc., assignee: *See*—
Henry, Harry H.

Monsanto Chemical Company, assignee: *See*—
Baer, Massimo.
Boyd, Thomas, and Lucht.
Fanti, Joel.
Park, Harold F.
Scott, Milton J., Jackson, and Basdekis.

Montgomery, Charles W.: *See*—
Gilbert, William I., and Montgomery.

Moody, John L.: *See*—
Hopkins, George W., and Moody.

Mooney, Joseph A., Paterson, N. J. Accordion stand. 2,580,120, Dec. 25.

Moore, Hamilton K., St. Louis, Mo. Convertible airplane and hellcopter. 2,580,312, Dec. 25.

Moravec, Jan, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Device for drawing off spun fibres. 2,579,846, Dec. 25.

Morbeck, Robert C., Cranford, N. J., assignor to Standard Oil Development Company. Production of an iron catalyst for hydrocarbon synthesis. 2,580,039, Dec. 25.

Morgan, Frank, Fox Chapel, D. W. Reed, Penn Township, Allegheny County, and M. Muskat, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Subsurface flowmeter. 2,580,182, Dec. 25.

Morin, Louis H., Bronx, and O. Gries, New Rochelle, N. Y., said Gries assignor to Crown Fastener Corporation, Warren, R. I. Apparatus for casting heads on pins. 2,579,951, Dec. 25.

Morin, Louis H., Bronx, N. Y. Forming threaded die castings. 2,579,952, Dec. 25.

Morley, Frederick W. W., assignee: *See*—
Lombard, Adrian A., Vincent, and Morley.

Moroney, Laurence F., Moonee Ponds, near Melbourne, Victoria, Australia. Slidable and adjustable seat. 2,579,597, Dec. 25.

Moroney, Laurence F., Moonee Ponds, near Melbourne, Victoria, Australia. Slidable and adjustable seat. 2,579,599, Dec. 25.

Morrill, Wayne J., Fort Wayne, Ind. Motor mounting. 2,580,313, Dec. 25.

Morris, Naomi M., Cleveland, Ohio. Adjustable shoe gripper. 2,579,953, Dec. 25.

Morris, Robert J.: *See*—
Brode, Wallace R., and Morris.

Morrison, Harold E., St. Joseph, Mich., assignor to Whirlpool Corporation. Control for automatic washing machines. 2,579,598, Dec. 25.

Morrison, Philip, Pittsburgh, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission. X-ray shield. 2,580,360, Dec. 25.

Mosbacher, Bruce H.: *See*—
Stoyke, Ludwig T., and Mosbacher.

Mossberg, O. F. & Sons, Inc., assignee: *See*—
Bullard, Edwin W.

Moses, Robert C., Swampscott, assignor to Sylvania Electric Products Inc., Salem, Mass. Audio signal modifying apparatus. 2,580,376, Dec. 25.

Mostertz, Franz C.: *See*—
Griefen, Richard A., and Mostertz.

Motor Wheel Corporation, assignee: *See*—
Aldrich, Harry J.

Mott, Carl W., La Grange, Ill., assignor, by mesne assignments, to The Kendall Company, Boston, Mass. Surgical sponge or like article. 2,579,508, Dec. 25.

Mott, Carl W., Lake Ozark, Mo., assignor, by mesne assignments, to The Kendall Company, Boston, Mass. Making fabric sacks, especially for surgical sponges or the like. 2,580,183, Dec. 25.

Muc, Miloslav, Slatinice, near Olomouc, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Presser foot control for sewing machines. 2,580,238, Dec. 25.

Muchmore, Robert B., Hawthorne, Calif., assignor to The Sperry Corporation, Great Neck, N. Y. High-frequency bridge circuit. 2,579,751, Dec. 25.

Muhm, George W., deceased, Portland, Oreg.; G. E. Muhm, administratrix of said G. W. Muhm. Graff. 2,580,361, Dec. 25.

Muhm, Gertrude E., administratrix: *See*—
Muhm, George W.

Muller, Peter J.: *See*—
Busser, William G., and Muller.

Munday, John C.: *See*—
Tutwiler, Thomas S., Munday, and Rogers.

Munsell, Robert E., Morris Plains, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. High viscosity dispersions of rubbery materials. 2,580,040, Dec. 25.

Munters, Carl G., Stocksund, Sweden. Apparatus for removing moisture from heat insulating walls. 2,579,509, Dec. 25.

Murat, Adolph R., San Clemente, Calif. Fireplace screen. 2,579,690, Dec. 25.

Murch, Harold L., L. B. Fuller, and R. O. Beardsley, assignors to Jones & Lamson Machine Company, Springfield, Vt. Comparator for tracing contours of solid objects. 2,580,239, Dec. 25.

Murphy, Charles H., Jr.: *See*—
Vix, Henry L. W., Spadaro, Pollard, Castrock, Persell, and Murphy.

Murphy, Clarence B., assignor to Warren Petroleum Corporation, Tulsa, Okla. Production and purification of oxygenated hydrocarbon compounds. 2,579,847, Dec. 25.

Murray, Maurice J., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Oxidation of conjunct polymer hydrocarbons and compositions derived therefrom. 2,580,184, Dec. 25.

Murray, William E., assignor to General Films Limited, Regina, Saskatchewan, Canada. Film reel band. 2,579,600, Dec. 25.

Muskat, Morris: *See*—
Morgan, Frank, Reed, and Muskat.

Myer, James G., assignee: *See*—
Hill, Glenn E.

Nagin, Harold, Pittsburgh, assignor to Reliance Steel Products Company, McKeesport, Pa. Traffic bearing slab. 2,580,185, Dec. 25.

Nagy, Edward J., Garden City, and E. B. Hammond, Jr., Floral Park, N. Y., assignors to The Sperry Corporation. Range solution apparatus. 2,579,510, Dec. 25.

Narrow, Anton H., Memphis, Tenn. Strip forming mold. 2,579,691, Dec. 25.

Nash, Cyril W., assignor to The Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, London, England. Coke oven with gas recirculation means. 2,580,121, Dec. 25.

National Lead Company, assignee: *See*—
Hendricks, John G.

National Water Main Cleaning Co., assignee: *See*—
Frank, William A.

Nave, Alfred E., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Butter conditioner. 2,579,848, Dec. 25.

Navy, United States of America as represented by the Secretary of, assignee: *See*—
Bostick, Winston H.

Nefzger, Hans A.: *See*—
Von Hofe, George W., and Nefzger.

Nehrenz, William L., New York, N. Y. Garment with expandable opening. 2,580,314, Dec. 25.

Neilson, Allan K., Highland Park, Mich. Automatic depletion indicating support for containers. 2,580,041, Dec. 25.

Nelson, Charles R., Orinda, M. A. D. Taylor, Berkeley, D. D. Davidson, Walnut Creek, and L. M. Peters, assignors to Shell Development Company, San Francisco, Calif. Olefin hydration process. 2,579,601, Dec. 25.

Neudeck, Joseph E., Union, N. J., assignor to Standard Oil Development Company. Gasoline fuel containing dimethyl carbinol and solvent oil. 2,579,692, Dec. 25.
Newall Engineering Company Limited, The, assignee: *See*—
Summers, Kenneth E.
Newell, Isaac L., Wethersfield, Conn. Blackening iron and steel and composition of matter therefor. 2,579,752, Dec. 25.
New Jersey Machine Corporation, assignee: *See*—
Von Hofe, George W., and Nefzger.
Newman, Louis B., Chicago, Ill. Surgical speculum. 2,579,849, Dec. 25.
Newman, Richard J., Scotia, N. Y., assignor to General Electric Company. Plotting system. 2,580,240, Dec. 25.
Nichols, Rex, Edgbaston, and W. Brown, Kings Heath, Birmingham, England. Nut-tapping machine. 2,580,187, Dec. 25.
Niederer, Herbert O.: *See*—
Niederer, Otto C., O., and H. O.
Niederer, Herbert O., O. C., and O., Titusville, N. J. Weight sorting device. 2,579,602, Dec. 25.
Niederer, Otto: *See*—
Niederer, Otto C., O., and H. A.
Niederer, Otto C.: *See*—
Niederer, Herbert O., O. C., and O.
Niederer, Otto C., O., and H. O., Titusville, N. J. Article cleaning mechanism. 2,579,603, Dec. 25.
Niederer, Otto C., O., and H. O., Titusville, N. J. Egg cleaning device. 2,579,604, Dec. 25.
Niles-Bement-Pond Company, assignee: *See*—
Gilbert, Stanley W.
Lee, Leighton H.
Nilsen, Peter J., Oak Park, Ill. Dispenser for pressurized whipped cream. 2,580,188, Dec. 25.
Ninikoff, Pauline K., Brooklyn, N. Y. Extensible roller screen and housing therefor. 2,579,850, Dec. 25.
Nims, Albert A., Jr.: *See*—
Ley, Gordon S., Miller, and Nims.
Norlund, O. A., Company Inc., assignee: *See*—
Fisher, Charles B.
Norquist, Glenn H., Jamestown, N. Y. Punching and forming mechanism. 2,579,753, Dec. 25.
Norton Company, assignee: *See*—
Upper, John A.
Novotný, Alois, Zlin, Czechoslovakia. Producing lactams or their hydrolytic products. 2,579,851, Dec. 25.
Odot, Charles A. M. E., Hussein-Dey, Algeria. Building of nonpermanent bridges chiefly for military purposes by means of amphibian seaplanes. 2,579,605, Dec. 25.
Ohio Crankshaft Company, The, assignee: *See*—
Strickland, Harold A., Jr.
Ohio Rubber Company, The, assignee: *See*—
Meyers, George L.
Ohio State University Research Foundation, assignee: *See*—
Brode, Wallace R., and Morris.
Oldham, Wilbur N.: *See*—
Post, Earl E., and Oldham.
Olson, Robert W., Dallas, Tex., assignor to General Instruments Inc. Multiple recorder. 2,579,852, Dec. 25.
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Tablet box. 2,579,954, Dec. 25.
Oom, Benjamin J., C. L. Tinklepaugh, and E. E. Westen, assignors to American Seating Company, Grand Rapids, Mich. Adjustable desk top. 2,579,606, Dec. 25.
Orrascan, Michael, Toronto, Ontario, Canada. Tiltable table band saw machine. 2,579,955, Dec. 25.
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control mechanism. 2,579,693, Dec. 25.
Orth, William H.: *See*—
Marvin, Stanley, and Orth.
Osborn Manufacturing Company, The, assignee: *See*—
Peterson, Ruben O., and Charvat.
O'Shaughnessy, Leo J., South Porcupine, Ontario, Canada. Continuous drier. 2,579,607, Dec. 25.
Ostlund, Evert M., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Oscillator construction. 2,579,511, Dec. 25.
Owen, Henry E. L., and H. T. Gurton, Chiswick Village, London, England. Distance measuring device and the like. 2,579,956, Dec. 25.
Owens-Corning Fiberglas Corporation, assignee: *See*—
Trowbridge, William L.
Parry, John J., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control valve and booster for lubricant nozzles. 2,579,754, Dec. 25.
Pagendarm, Edward J., San Mateo, Calif., assignor to Bemiss-Jason Company. Carton folder. 2,580,189, Dec. 25.
Paige, Richard E., New York, N. Y. Combination carton and wrapper for fragile articles. 2,580,043, Dec. 25.
Pallard S. A., assignee: *See*—
Aebi, Otto.
Palmer, Albert: *See*—
Bergstrom, Carl P., and Palmer.
Panhard, Paul, assignor to Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Valve return device. 2,579,608, Dec. 25.
Pardee, Edwin C., Tifton, Ga. Wheel manipulating tool. 2,579,853, Dec. 25.
Pari, Jack M., Cranford, N. J. Garment clasp. 2,579,694, Dec. 25.
Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Emulsion polymerization process. 2,580,315, Dec. 25.
Parke, Robert M.: *See*—
Bens, Frederick P., Ham, and Parke.
Parker, Sydney M., assignor to Automotive Products Company Limited, Leamington Spa, England. Fluid pressure remote control system. 2,580,122, Dec. 25.
Parsons, Horace S., Philadelphia, Pa. Toothbrush and dentifrice container unit. 2,579,695, Dec. 25.
"Patelhold" Patentverwertungs-& Elektro-Holding A.-G., assignee: *See*—
Von Baeyer, Hans J.
Patent and Licensing Corporation, The, assignee: *See*—
Lamm, Raymond R.
Lyons, Richard T.
Munsell, Robert E.
Patentverwertungs-& Elektro-Holding A.-G., assignee: *See*—
Lüdi, Fritz.
Patton, Winfred M., Chicago, Ill. Curling iron and pressing comb heater. 2,580,377, Dec. 25.
Paul, William V.: *See*—
Barlow, Almus C., and Paul.
Paus, Povel N., Rostockgarden, Drammen, Norway. Orthodontic apparatus. 2,580,042, Dec. 25.
Pearne, Frederic A., Biggs, Calif. Vacuum header for combine harvesters. 2,579,957, Dec. 25.
Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques, assignee: *See*—
Zwilling, Jean-Paul, Bassoli, and Granger.
Peebles, David D., Hillsborough, P. D. Clary, Jr., Petaluna, and R. K. Meade, Santa Rosa, assignors to Western Condensing Company, San Francisco, Calif. Vegetable treatment process. 2,579,609, Dec. 25.
Peebles, David D., San Mateo, and G. P. Hensley, assignors to Golden State Company, Ltd., San Francisco, Calif. Apparatus for rapid solution and/or suspension of powdered solids. 2,580,316, Dec. 25.
Peerco Corporation, assignee: *See*—
Marvin, Stanley, and Orth.
Pekar, Joseph C., Bedford, and J. P. Hird, Lakewood, assignors to Kep-Dri Corporation, Cleveland, Ohio. Purger. 2,580,317, Dec. 25.
Peoples First National Bank & Trust Company, assignee: *See*—
Henderson, Albert.
Perhats, Francis J., Chicago, Ill. Automatic starting system for internal-combustion engines. 2,579,958, Dec. 25.
Perkins, Winston S., Stratford, Conn. Continuous electrical outlet. 2,579,854, Dec. 25.
Perlman, David L., Baltimore, Md. Frozen confection apparatus. 2,579,696, Dec. 25.
Perrine, Lester E., Highland Park, Mich. Refrigerating apparatus and method. 2,579,512, Dec. 25.
Persell, Ralph M.: *See*—
Vix, Henry L. E., Spadaro, Pollard, Gastrock, Persell, and Murphy.
Peter, Albin, and J. Günthart, assignors to Sandoz A. G., Basel, Switzerland. Dyestuffs of the anthraquinone series. 2,580,190, Dec. 25.
Peters, Leslie M.: *See*—
Nelson, Charles R., Taylor, Davidson, and Peters.
Peterson, Delmore P., Twin Falls, Iowa. Multiple throttle control. 2,579,959, Dec. 25.
Peterson, George N., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover. 2,580,191, Dec. 25.
Peterson, Ruben O., University Heights, and V. K. Charvat, Lakewood, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Brush manufacture. 2,580,378, Dec. 25.
Petrea, James C.: *See*—
Smith, Haywood C., and Petrea.
Pfaudler Company, The, assignee: *See*—
Greene, Otto W.
Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,580,123, Dec. 25.
Pfleghar, George W., Pleasantville, N. J. Fire extinguisher. 2,579,513, Dec. 25.
Philco Corporation, assignee: *See*—
Scofield, Donald W.
Stone, Paul L.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,580,124, Dec. 25.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and element. 2,579,697, Dec. 25.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,579,698, Dec. 25.
Phillips, Harold P., and V. D. Ackerman, assignors to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and groove filler element for use with piston rings. 2,579,699, Dec. 25.

Phillips Petroleum Company, assignee: *See*—
Hillyer, John C., and Wilson.
Houston, William L., Jr.
Hutchins, Joseph W.
Photo Research Corporation, assignee: *See*—
Freund, Gertrude E.
Picton, John B., assignor to Joshua Bigwood and Son, Limited, Wolverhampton, England. Machine for stripping sheet metal. 2,579,700, Dec. 25.
Pinsof, Philip, assignee: *See*—
Vincent, Carl.
Pita, František, Jirkov, and J. Prokeš, Chomutov, Czechoslovakia. Making artificial dentures. 2,579,960, Dec. 25.
Pitman, Henry L., Melbourne, Fla., assignor to Underwood Corporation, New York, N. Y. Power operated tabulating mechanism for typewriting machines. 2,580,318, Dec. 25.
Pitre, Antonio S., United States Navy, San Francisco, and J. R. Saroyan, Vallejo, Calif. Surface protecting materials and making the same. 2,579,610, Dec. 25.
Pittsburgh Plate Glass Company, assignee: *See*—
Smith, John J., Duncan, and Truby.
Plantfebar, Jacobus W.: *See*—
Bergstrom, Roland F., and Plantfebar.
Pöckel, Irving, Wellesley, Mass., and D. P. Smith, Cincinnati, Ohio. Valve. 2,579,855, Dec. 25.
Podmore, Arthur, London, England. Greeting card. 2,580,241, Dec. 25.
Polaroid Corporation, assignee: *See*—
Land, Edwin H.
Pollard, Elisha F.: *See*—
Vix, Henry L. E., Spadaro, Pollard, Gastrock, Persell, and Murphy.
Pollard, Lloyd F., Leonia, N. J., and S. Jacobson, Brooklyn, N. Y. Finger ring guard. 2,579,856, Dec. 25.
Poorman, John E., Philadelphia, Pa. Knurling tool. 2,579,611, Dec. 25.
Popma, Jewett E., Portland, Oreg. Photographic fingerprinting device. 2,579,961, Dec. 25.
Post, Earl E., Pomona, and W. N. Oldham, Monrovia, Calif., assignors to American Cyanamid Company, New York, N. Y. Composition for drilling muds. 2,579,453, Dec. 25.
Potter, John T., New York, N. Y. Contour counter. 2,580,192, Dec. 25.
Potts, Louis M., deceased, late of Evanston, Ill., by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Telegraph converter system and apparatus. 2,579,612, Dec. 25.
Potts, Martha W. C., executrix: *See*—
Potts, Louis M.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Rotary fastener. 2,580,319, Dec. 25.
Power Jets (Research & Development) Limited, assignee: *See*—
Feilden, Geoffrey B. R.
Whittle, Frank.
Premo, Owen D., Muskegon Heights, Mich. Drafting instrument. 2,579,857, Dec. 25.
Prentice, G. E., Mfg. Co., The, assignee: *See*—
Legat, Robert C.
Pressed Steel Car Company, Inc., assignee: *See*—
Jahn, Herbert W., and Blank.
Price, Earl R.: *See*—
Long, Richard H., and Price.
Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating device. 2,580,125, Dec. 25.
Price, William R., Wayne, Pa., assignor to Flexitallic Gasket Company, Camden, N. J. Gasket winding machine. 2,579,858, Dec. 25.
Prizer, Eugene L., Escondido, assignor of one-fourth to M. Ferguson, Compton, and one-fourth to J. A. Prizer, Fullerton, Calif. Apparatus for supplying solid material to liquids. 2,579,859, Dec. 25.
Prizer, John A., assignee: *See*—
Prizer, Eugene L.
Procter & Gamble Company, The, assignee: *See*—
McClain, Herbert K.
Prokeš, Julian: *See*—
Pita, František, and Prokeš.
Pruitt, Virgil H., Snow Hill, Md., and L. A. Mediar, Oreland; said Mediar assignor to Fox Products Company, Philadelphia, Pa. Valve. 2,579,962, Dec. 25.
Puilin, Cyril G., Tadburn, Ampfield, and K. Watsen, Woolston, Southampton, England, assignors, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotary wings. 2,579,860, Dec. 25.
Puro Co., Inc., The, assignee: *See*—
Wilson, Norman E., and Saeks.
Pyle, George H., Hopewell, Va., and J. S. Tinsley, assignors to Hercules Powder Company, Wilmington, Del. Producing an ethyl cellulose hot-melt composition. 2,579,755, Dec. 25.
Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Liquid surface sensing device. 2,580,320, Dec. 25.
Radio Corporation of America, assignee: *See*—
Barton, Loy E.
Burt, Alexander D.
Gluyas, Thomas M., Jr.
Green, Milton W.
Haller, Cecil E., and Keye.
Johnson, Harwick.
Koch, Winfield R.
Schade, Otto H.
Schroeder, Alfred C.
Thompson, Leland E.
Torre, Alton J., and Kirkwood.
Tourshou, Simeon I.
Raiche, Chester J., Chicago, Ill. Garment hanger. 2,580,044, Dec. 25.
Rambo, William H., and H. A. De Rice, Portland, Oreg. Hydraulic log barking apparatus. 2,579,613, Dec. 25.
Randall, Louis W., assignee: *See*—
Williams, Charles H.
Randolph, Paul H., Miami, Fla. Folding table. 2,580,126, Dec. 25.
Randolph, Seldon L., Loraine, Ill. Power-operated loader adjusting mechanism. 2,579,963, Dec. 25.
Ray, George P. and W. N., Queens Village, N. Y. Adjustable and nonslotted extension member for doors. 2,579,861, Dec. 25.
Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combustion chamber with rotating fuel and air stream surrounding a flame core. 2,579,614, Dec. 25.
Ray, William N.: *See*—
Ray, George P. and W. N.
Raytheon Manufacturing Company, assignee: *See*—
Batchelder, Laurence.
Derby, Palmer P.
Read Standard Corporation, assignee: *See*—
Rhodes, Herbert C.
Read, William T., executor: *See*—
Hoeber, Harold.
Reconstruction Finance Corporation, assignee: *See*—
Saul, Samuel, Jr.
Redi-Rip Company, assignee: *See*—
Lather, Carl.
Reed, Ancil O., Indianapolis, Ind. Stepladder. 2,580,045, Dec. 25.
Reed, Charles M., East Chicago, Ind. Plastic casket. 2,579,756, Dec. 25.
Reed, Denzel W.: *See*—
Morgan, Frank, Reed, and Muskat.
Reed, Sherman K.: *See*—
Miller, William T., Dittman, and Reed.
Reek, Donald C., Fort Wayne, Ind., assignor to General Electric Company. Motor control. 2,580,242, Dec. 25.
Rees, Clarence A., assignor to Illinois Tool Works, Chicago, Ill. Hood bonding clip. 2,580,321, Dec. 25.
Rehnqvist, Nils G.: *See*—
Hägglund, Erik H. M., and Rehnqvist.
Reliance Steel Products Company, assignee: *See*—
Nagin, Harold.
Remington Rand Inc., assignee: *See*—
Riggs, Robert W.
Schremp, Frederick W.
Skeels, Simon C.
Wilder, Marshall P.
Renick, Wendell E., assignor to The Denison Engineering Company, Columbus, Ohio. Pressure relief valve means. 2,580,127, Dec. 25.
Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Pilot unit for relief valves. 2,580,128, Dec. 25.
Research Corporation, assignee: *See*—
Fields, Ellis K.
Reynolds, Julian L., Richmond, Va. Radiant cover. 2,579,964, Dec. 25.
Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Dough piece controlled flour duster. 2,579,514, Dec. 25.
Rich, Charles C., Bridgeport, Conn. Tangleproof twine dispenser. 2,580,129, Dec. 25.
Richardson, Richard, Coniston, near Hull, England. Hedge cutting machine. 2,579,862, Dec. 25.
Richterkessing, Frank H., assignor to W. M. Cissell Manufacturing Company, Incorporated, Louisville, Ky. Garment hanger. 2,580,193, Dec. 25.
Ridey, Emily D.: *See*—
Rider, Paul G. and E. D.
Ridey, Paul G. and E. D., Cincinnati, Ohio. Infant's bottle holder. 2,579,701, Dec. 25.
Rieke, John W.: *See*—
Doba, Stephen, Jr., and Rieke.
Rifkin, Ellis B., and D. H. Ewen, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Deleading gasoline. 2,580,243, Dec. 25.
Riggs, Robert W., Stamford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Visible card index. 2,579,757, Dec. 25.
Rinia, Herre, H. de Brey, and F. L. van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Traction hot-gas engine with speed and power control. 2,579,702, Dec. 25.

Riordan, Howard C., and L. Bethke, Oak Park, Ill., assignors to The Kendall Company, Boston, Mass. Surgical sponges and making same. 2,580,194, Dec. 25.

Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Halohydroxy ethers. 2,579,515, Dec. 25.

Roberts, Edwin G. L., Bolton, England. Mineral insulated conductor workpiece. 2,580,244, Dec. 25.

Robeski, Martin, Wausaukee, Wis. Bottle cap. 2,580,322, Dec. 25.

Robinson, George A., assignee: *See*— Watt, Alexander.

Robinson, John W., Merchantville, N. J., assignor to Selas Corporation of America, Philadelphia, Pa. Filter assembly. 2,579,863, Dec. 25.

Robinson, Joseph W., Trenton, N. J. Adjustable dental tray for making artificial dentures. 2,579,965, Dec. 25.

Rock Island Millwork Company, assignee: *See*— Weyerhaeuser, Frederick.

Rock-Ola Manufacturing Corporation, assignee: *See*— Rockola, David C.

Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Indicator. 2,580,046, Dec. 25.

Rockwood Sprinkler Company, assignee: *See*— Freeman, Howard G.

Rogers, Dilworth T.: *See*— Tutwiler, Thomas S., Munday, and Rogers.

Rohm & Haas Company, assignee: *See*— Rowland, Stanley P.

Rollman, Heinz W., and A. Szerenyi, assignors to Ro-Search, Inc., Waynesville, N. C. Footwear with sponge rubber sole and rubber upper-attaching strip. 2,580,245, Dec. 25.

Rolls-Royce Limited, assignee: *See*— Lombard, Adrian A., Vincent, and Morley.

Romeyn, Frans C.: *See*— Snoek, Jacob L., Haayman, and Romeyn.

Rooker, Kenneth M., Des Moines, Iowa. Drag hook. 2,579,864, Dec. 25.

Rorvig, Alvin H.: *See*— Flatin, Glenn M., and Rorvig.

Rosdahl, Karl-Gustaf, assignor to Aktiebolaget Ferrosan, Malmo, Sweden. Purifying 4-aminosalicylic acid. 2,580,195, Dec. 25.

Ro-Search, Inc., assignee: *See*— Rollman, Heinz W., and Szerenyi.

Rosenkranz, George: *See*— Djerassi, Carl, Rosenkranz, and Berlin.

Rosenman, Abraham W., Fairfield, and R. F. Greiser, Easton, Conn. Dispensing and disposing tissue container. 2,579,758, Dec. 25.

Ross, Cecil F., assignee: *See*— Ross, Roy R.

Ross, Roy R., Alexandria, Va., assignor of 50% to C. F. Ross, Washington, D. C. Rodent trap. 2,579,966, Dec. 25.

Rotors, Herbert C., Kew Gardens, N. Y., assignor to De Laval Separator Company. Induction motor. 2,579,865, Dec. 25.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gyratory crusher with vertically adjustable head. 2,579,516, Dec. 25.

Roubinet, René: *See*— Le Coënt, Albert, Guillon, and Roubinet.

Rousseau, Leo J., Grosse Pointe, assignor, by mesne assignments, to Minit-Man, Inc., Detroit, Mich. Motor vehicle cleaning apparatus having rotary brushes mounted on pivoted carriers. 2,579,866, Dec. 25.

Rowdon, Horace S., St. Vital, Manitoba, Canada. Fishing reel holder. 2,580,130, Dec. 25.

Rowell, George S., Bedford, assignor to The Chandler & Price Company, Cleveland, Ohio. Coating a lithographic plate. Method and apparatus for. 2,580,131, Dec. 25.

Rowell, George S., Bedford, and H. McGeorge, Cleveland Heights, assignors to The Chandler & Price Company, Cleveland, Ohio. Attaching printing members to cylinders of printing presses. 2,579,517, Dec. 25.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of imidoesters from azolines and maleic adducts of fatty acid esters. 2,580,047, Dec. 25.

Royal Electric Manufacturing Company, assignee: *See*— Warren, Pickett L., and Schultz.

Ruau, Felix F.: *See*— Molins, Desmond W., Ruau, and Francis.

Ruau, Félix F., assignor to Molins Machine Company Limited, London, England. Device for applying adhesive to a traveling surface. 2,579,967, Dec. 25.

Rubin, Louis C.: *See*— McGrath, Henry G., and Rubin.

Ruehling, Frederick W., Philadelphia, and H. E. Haehnel, West Reading, assignors to Textile Machine Works, Wyomissing, Pa. Take-up reel for knitting machines and operation. 2,580,186, Dec. 25.

Ruff, Alfred L., assignee: *See*— Voight, George F.

Rush, Leslie V., Meridian, Miss. Medullary pin. 2,579,968, Dec. 25.

Russell, Alfred, deceased,, by C. R. Shook, administrator, Cincinnati, Ohio. Resinifying hydroxyl formyl acetophenones, acetoxy benzaldehydes, and methoxy derivatives thereof. 2,579,759, Dec. 25.

Russell, Asa M., Los Angeles, Calif. Ventilated hat. 2,580,323, Dec. 25.

Rutherford, Newton, administrator: *See*— Lea, Henry V.

Rutledge, Howard C., and R. M. Adler, Birmingham, Ala., assignors to The Ingalls Shipbuilding Corporation. Submersible tank for supporting off-shore structures. 2,579,703, Dec. 25.

Rzepela, Stanley, Philadelphia, Pa. Shaft drive for internal-combustion engines and the like. 2,579,969, Dec. 25.

Sabo, William A., Neshaminy, Pa. Rotary cutterhead with radically extended blade support. 2,579,615, Dec. 25.

Saeks, Alvin L.: *See*— Wilson, Norman E., and Saeks.

Safford, Paul L.: *See*— Holmes, Elbridge R., and Safford.

Sagenkahn, Malcolm L., Dobbs Ferry, N. Y., assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,579,867, Dec. 25.

Sahlgaard, Aage D., Chicago, Ill. Automotive vehicle braking system. 2,579,616, Dec. 25.

Saidel, William R., Green Bay, Wis. Folding carton. 2,579,760, Dec. 25.

St. Joe Machines, Inc., assignee: *See*— Schmidtke, Albert H.

Salit, Leo: *See*— Segal, Bernard, and Salit.

Candoz, A. G., assignee: *See*— Peter, Albin, and Günthart.

Santaniello, Robert M.: *See*— Davis, Hyman R., and Santaniello.

Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polyvinyl alcohol gels. 2,580,362, Dec. 25.

Saroyan, John R.: *See*— Pitre, Antonio S., and Saroyan.

Saul, Samuel, Jr., Pittsburgh, Pa., assignor to Reconstruction Finance Corporation, Cleveland, Ohio. Removable tray rack construction. 2,579,704, Dec. 25.

Saunders Valve Company Limited, assignee: *See*— Trump, Arthur L.

Scampone, August G., Utica, N. Y. Coil spring retaining rod. 2,579,970, Dec. 25.

Schade, Otto H., West Caldwell N. J., assignor to Radio Corporation of America. Color television system. 2,579,971, Dec. 25.

Schaefer, Edward G., Newark, N. J. Container. 2,579,518, Dec. 25.

Schaevitz, Herman, Collingswood, N. J. Thrust meter. 2,579,617, Dec. 25.

Schall, Herbert E., assignor of one-half to R. D. Schall, Breckenridge, Mich. Detachable mount for telescopes. 2,580,246, Dec. 25.

Schall, Robert D., assignee: *See*— Schall, Herbert E.

Scharff, John E.: *See*— Loweth, Joseph H., and Scharff.

Schefbauer, Rupert J., Jr.: *See*— Lee, Ernest D., Schefbauer, and Berberich.

Schelb, Louis: *See*— Homeier, Otto F., and Schelb.

Scheiwer, Albert T.: *See*— Kellogg, Dorcey E., and Scheiwer.

Scheiwer, Albert T., Erie, Pa. Testing device for comparatively short tubes. 2,579,972, Dec. 25.

Schelberg, Arthur D.: *See*— McDuffie, Bruce, Schelberg, and Thompson.

Schenley Industries, Inc., assignee: *See*— Donnelly, Joseph B.

Schlage, Anna, executrix: *See*— Schlage, Walter R.

Schlage Lock Company, assignee: *See*— Schlage, Walter R.

Schlage, Walter R., deceased, Burlingame, Calif., by A. Schlage, executrix, Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Latch bolt holdback. 2,580,196, Dec. 25.

Schlosser, Michael P., Port Chester, N. Y. Compressor terminal seal. 2,579,973, Dec. 25.

Schmid, Emil, Washington, D. C. Pivoted hand tool for loosening tire beads from rim flanges. 2,579,868, Dec. 25.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Nonfreezing hydrant. 2,580,197, Dec. 25.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Check valve and venting means for hydrants. 2,580,198, Dec. 25.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Nonfreezing hydrant. 2,580,199, Dec. 25.

Schmidt, Lloyd K., assignee: *See*— Lea, Henry V.

Schmidtke, Albert H., assignor to St. Joe Machines, Inc., St. Joseph, Mich. Washing machine attachment. 2,579,761, Dec. 25.

Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Change-speed transmission. 2,579,869, Dec. 25.

Schneider, George, assignor to Blind Cleaners, Inc., Saginaw, Mich. Appliance for cleaning Venetian blinds. 2,579,870, Dec. 25.

Schnitt, Arthur, Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Rotor blade construction. 2,580,363, Dec. 25.

Schoene, Dwight L., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Divinyl sulfone tanned proteins. 2,579,871, Dec. 25.

Schofield, Earl L., Rockford, assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Flat pocket hand lamp. 2,579,762, Dec. 25.

Scholz, Caesar R.: *See*— Djerassi, Carl, and Scholz.

Schremp, Frederick W., Elmira, assignor to Remington Rand Inc., New York, N. Y. Cushioned escapement support. 2,579,763, Dec. 25.

Schroeder, Alfred C., Southampton, Pa., assignor to Radio Corporation of America. Color television system. 2,579,705, Dec. 25.

Schroth, Charles W. H., Jr., assignee: *See*— Johnson, Dorothy E.

Schultz, Frank E.: *See*— Warren, Pickett L., and Schultz.

Schupp, Ralph J.: *See*— Varela, Andrew A., and Schupp.

Schwartz, Barney J.: *See*— Geary, Ira M., and Schwartz.

Schwartz, Sol: *See*— Ferguson, Harold W., and Schwartz.

Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Camera diaphragm mechanism. 2,580,324, Dec. 25.

Schwennesen, Donald O., Chicago, Ill. Timer for controlling the operation of photographic enlargers. 2,579,764, Dec. 25.

Scofield, Donald W., Detroit, Mich., assignor to Philco Corporation, Philadelphia, Pa. Indicator lamp assembly for multicircuit electric appliances. 2,579,618, Dec. 25.

Scott, Ashton T., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Flexible tail pipe for jet engines. 2,579,619, Dec. 25.

Scott, Harry A., and J. W. Spieker, Van Wert, Ohio, assignors to Continental Can Company, Inc., New York, N. Y. Container end structure. 2,579,974, Dec. 25.

Scott, Harry A., and J. W. Spieker, Van Wert, Ohio, assignors to Continental Can Company, Inc., New York, N. Y. Lever lock. 2,579,975, Dec. 25.

Scott, Milton J., Lexington, E. F. Jackson, Ludlow, and C. H. Basdekis, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of polymer emulsions. 2,580,325, Dec. 25.

Secondi, Raymond G., Paris, and J. Vacheron, Maisons-Alfort, assignors of thirty-five per cent to C. H. Harrison, and fifteen per cent to R. A. Boizard, Paris, France. Cam actuated wrench. 2,580,247, Dec. 25.

Sedwick, Matthew M.: *See*— Kronquest, Alfred L., and Sedwick.

Seeley, Dewey M., Gary, Ind., assignor to United States Steel Company. Transportation load and preparing same. 2,580,248, Dec. 25.

Seeley, Dewey M., Gary, Ind., assignor to United States Steel Company. Transportation load and preparing same. 2,580,249, Dec. 25.

Segal, Bernard, and L. Salit, New York, N. Y., said Salit assignor to said Segal. Educational talking toy. 2,579,872, Dec. 25.

Selas Corporation of America, assignee: *See*— Robinson, John W.

Senders, Pieter F. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cutting plate for dry-shaving apparatus. 2,579,706, Dec. 25.

Seng Company, The, assignee: *See*— Fox, Martin.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of crystalline penicillin salts. 2,580,364, Dec. 25.

Servicised Producta Corporation, assignee: *See*— Fischer, Albert C.

Seymour, Edward H., Sycamore, Ill. Hermetically sealed package for mixing and discharging paint. 2,580,132, Dec. 25.

Seymour, George W., Maplewood, B. B. White, Summit, and H. R. Kirshen, Chatham, N. J., assignors to Celanese Corporation of America. Cellulose derivatives. 2,579,873, Dec. 25.

Shaw, Anne S., Philadelphia, Pa. Paint stirrer and blender. 2,579,874, Dec. 25.

Sheen, Herbert A., Los Angeles, Calif. Diaphragm type pessary. 2,580,133, Dec. 25.

Sheffield Corporation, The, assignee: *See*— Aller, Willis F., and McConnell.

Sheffield Steel Corporation, assignee: *See*— McFarland, Frank R.

Shell Development Company, assignee: *See*— Bergstrom, Roland F., and Plantfebar.

Shell Development Company, assignee: *See*— Deahl, Thomas J., Stross, and Taylor.
Joyce, John R.
Nelson, Charles R., Taylor, Davidson, and Peters.
Sagenkahn, Malcolm L.
Wies, Calmy, Caron, and Glendenning.

Shepard, Josiah, Chevy Chase, Md. Holding rack for elongated articles. 2,579,519, Dec. 25.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Fungicidal emulsion comprising a copper salt of an alkylated phenoxy acetic acid. 2,580,048, Dec. 25.

Shook, Chester R., administrator: *See*— Russell, Alfred.

Shook, Kenneth G., Marble Rock, Iowa. Simplified nonplugging pump water closet. 2,580,134, Dec. 25.

Shrimpton, William J., assignor to British Artificial Resin Company, Limited, London, England. Production of continuous web or length of sheet material. 2,580,200, Dec. 25.

Siebens, Norman H.: *See*— Allen, Frank B., and Siebens.

Sifferd, Robert H., Clarendon Hills, and L. P. Anderson, assignors to Armour and Company, Chicago, Ill. Preparation of gelatin. 2,580,049, Dec. 25.

Silvius, Paul: *See*— Wallace, James M., and Silvius.

Simmonds, Milo R., Niagara Falls, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Control means for jet propulsion apparatus. 2,580,365, Dec. 25.

Simpson, Eugene H., assignee: *See*— Dohmeyer, Wilbert A.

Simpson, Justin, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. High-speed cover feed. 2,579,976, Dec. 25.

Sims, William O.: *See*— Allen, Howard G., Sims, and Ebert.

Sinclair Refining Company, assignee: *See*— Kuhn, George F.

Singer Manufacturing Company, The, assignee: *See*— Johnson, Ralph E.

Sjolin, Harry H., Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing valve unit for volatile products. 2,579,977, Dec. 25.

Skeels, Simon C., Scarsdale, assignor to Remington Rand Inc., Buffalo, N. Y. Visible index. 2,579,765, Dec. 25.

Sly, Leslie W.: *See*— Doe, Walter P., Sly, and Fisher.

Smith, Donald P.: *See*— Pöckel, Irving.

Smith, Fred J., assignor of twenty-five per cent to M. M. Long, Collinsville, Ill. Spray gun for molten metal. 2,579,707, Dec. 25.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Flush valve mechanism. 2,579,766, Dec. 25.

Smith, Haywood C., and J. C. Petrea, assignors to Wright Machinery Company, Durham, N. C. Dumping mechanism. 2,579,708, Dec. 25.

Smith, Henry M., Schenectady, N. Y., assignor to General Electric Company. Cathode-ray type of electron discharge device. 2,580,250, Dec. 25.

Smith, Jacob A., assignor of one-half to C. A. Benjamin, Chicago, Ill. Punch construction. 2,580,366, Dec. 25.

Smith, John J., Tarentum, J. E. Duncan, Brackenridge, and H. A. Truby, New Kensington, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass composition. 2,579,709, Dec. 25.

Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Centerless grinder. 2,579,520, Dec. 25.

Smith, John W., Minneapolis, Minn. Hand warmer. 2,579,620, Dec. 25.

Smith, Kline & French Laboratories, assignee: *See*— Kerwin, James F., and Ullyot.

Smith, Wesley A., assignor to Tilt-A-Door Corporation, Ferndale, Mich. Safety latch. 2,579,621, Dec. 25.

Snoek, Jacob L., P. W. Haayman, and F. C. Romeyn, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Soft ferromagnetic material and making same. 2,579,978, Dec. 25.

Soave, John G., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Actuating means for fastener driving machines. 2,580,135, Dec. 25.

Société Anonyme des Anciens Etablissements Panhard & Levassor, assignee: *See*— Panhard, Paul.

Societe Anonyme dite: Societe Marocaine de Constructions Mecaniques, assignee: *See*— Chaillot, Roger A.

Société Anonyme so-called: Office Central de Chauffe Rationnelle, assignee: *See*— Le Coent, Albert, Guillon, and Roubinet.

Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., assignee: *See*— Levy, René L.

Society called "Solex," S. A. R. L., assignee: *See*— Griffon, Caston.

Solicito, Frank, Bronx, assignor of one-half to P. P. Goodkin, New York, N. Y. Emergency fuel tank. 2,579,979, Dec. 25.

Bonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Product-type relay. 2,579,622, Dec. 25.
Boper, Glenn T.: *See*—
Ensign, George G., Hoppe, and Soper.
Borensen, Otto E., Fairfield, Conn. Pinking shears and manufacturing same. 2,579,521, Dec. 25.
Bpadaro, James J.: *See*—
Vix, Henry L. E., Spadaro, Pollard, Gastrock, Persell, and Murphy.
Bpadola, James V., assignor of one-half to F. Leccese, New York, N. Y. Audible piston position indicator. 2,579,710, Dec. 25.
Bparks, William J., Cranford, and P. E. Hardy, Elizabeth, N. J., assignors to Standard Oil Development Company. Tough styrene-olefin copolymers containing two to ten per cent of wax. 2,580,050, Dec. 25.
Bpencer, Frank R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Benzoguanamine resin surface coating materials and preparing the same. 2,579,980, Dec. 25.
Bperry Corporation, The, assignee: *See*—
Feenberg, Eugene.
Iabister, Eric J.
Muchmore, Robert B.
Nagy, Edward J., and Hammond.
Bpieker, John W., assignee: *See*—
Scott, Harry A., and Spieker.
Bponge Rubber Products Company, The, assignee: *See*—
Talalay, Anselm, and Barton.
Bpragg, Harry, Derbyshire, assignor to Markham & Company Limited, Chesterfield, England. Apparatus for effecting or controlling traverse of a body between opposed walls. 2,579,981, Dec. 25.
Bquare D Company, assignee: *See*—
Jackson, John G.
Bstandard Gage Company, Inc., assignee: *See*—
Emery, Alfred H.
Bstandard Oil Company, assignee: *See*—
Fainman, Morton.
Bstandard Oil Development Company, assignee: *See*—
Carrier, E. W.
Cornell, Hampton T.
Cyphers, Elmer B., and McNulty.
Fenske, Merrell R., and Tegge.
Gould, Leslie R., and Wanless.
Holmes, August.
Mack, Charles.
Matuszak, Alfred H., and Hand.
Mikeska, Louis A.
Morbeck, Robert C.
Neudeck, Joseph E.
Shmidl, Albert J.
Sparks, William J., and Hardy.
Tutwiler, Thomas S., Munday, and Rogers.
Bstandard-Thomson Corporation, assignee: *See*—
Woods, John E.
Bstanko, Lloyd, Toledo, Ohio. Door threshold. 2,579,875, Dec. 25.
Bstanley, William T., Indianapolis, Ind. Multiple replaceable unit fuse. 2,579,623, Dec. 25.
Bstanley, William T., Indianapolis, Ind. Replaceable multiple unit fuse plug. 2,579,624, Dec. 25.
Bstaude, Edwin G., Minneapolis, Minn. Double-acting proportional hydraulic pressure power amplifier. 2,579,711, Dec. 25.
Bteady-Flow Freezer Co., assignee: *See*—
Tacchella, Andrew J.
Btebbins, Leo A., Denver, Colo. Pulldown cabinet. 2,579,876, Dec. 25.
Bteinberg, Eliot, North Arlington, assignor to The Maltine Company, Morris Plains, N. J. Azo compound. 2,580,251, Dec. 25.
Btephens-Adamson Mfg. Co., assignee: *See*—
Kendall, Myron A.
Btevens, Austin E., Fall River, Mass. Circuit closure for textile machines, etc. 2,580,136, Dec. 25.
Btevens, Oliver M., St. Louis, Mo. Ladder for railway car. 2,580,326, Dec. 25.
Btevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Clutch and speed control apparatus. 2,580,367, Dec. 25.
Btevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Engine control apparatus for starting, stopping, running, and reversing. 2,580,369, Dec. 25.
Btevens, Roy R., Forest Hills, and R. C. Brooks, Turtle Creek, Pa., assignors to Westinghouse Air Brake Company. Fluid pressure remote-control apparatus. 2,580,368, Dec. 25.
Btone, Fred, Gladewater, Tex. Door-actuated dual compartment mailbox. 2,579,877, Dec. 25.
Btone, Paul L., Melrose Park, Pa., assignor to Philco Corporation, Philadelphia, Pa. Mounting device for telephones and the like. 2,579,878, Dec. 25.
Btoyke, Ludwig T., and B. H. Mosbacher, Rockford, Ill., assignors to Sundstrand Machine Tool Co. Gyratory valve for hydraulic pumps or motors. 2,579,879, Dec. 25.
Btraka, Cyril J.: *See*—
Weltman, William C., and Straka.
Strawn, Orval R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Parallel motion roll crusher. 2,579,767, Dec. 25.
Stray, William J.: *See*—
Barnard, Roy M., and Stray.
Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Transformer construction. 2,579,522, Dec. 25.
Stross, Fred H.: *See*—
Deahl, Thomas J., Stross, and Taylor.
Stuart, Archibald P.: *See*—
Johnson, Herbert L., and Stuart.
Stuber, Walter J., and J. J. Di Ienno, assignors to Carey-McFall Company, Philadelphia, Pa. Venetian blind. 2,580,252, Dec. 25.
Stuber, Walter J., and J. J. Di Ienno, assignors to Carey-McFall Company, Philadelphia, Pa. Venetian blind tilt mechanism with cord repositioning feature. 2,580,253, Dec. 25.
Stue, Tryggve B., Oslo, Norway. Package. 2,579,880, Dec. 25.
Styles, Wesley, Minneapolis, Minn. Amalgamating machine. 2,579,881, Dec. 25.
Sullivan, Thomas J.: *See*—
Golden, Benjamin L., and Sullivan.
Summerhayes, Harry R., Jr., and P. W. Howells, Schenectady, N. Y., assignors to General Electric Company. Automatic frequency control system. 2,580,254, Dec. 25.
Summers, Kenneth E., assignor to The Newall Engineering Company Limited, Peterborough, England. Distance gauge. 2,580,255, Dec. 25.
Sun Oil Company, assignee: *See*—
Johnson, Herbert L., and Stuart.
Quist, Harold A.
Sundstrand Machine Tool Co., assignee: *See*—
Stoyke, Ludwig T., and Mosbacher.
Sunnen, Joseph, Clayton, Mo. Tandem mandrel. 2,580,327, Dec. 25.
Sunnen, Joseph, Clayton, Mo. Opposed stone mandrel. 2,580,328, Dec. 25.
Sunnen, Joseph, Clayton, Mo. Insert holder. 2,580,329, Dec. 25.
Surface Combustion Corporation, assignee: *See*—
Cone, Carroll.
Surmatis, Joseph D., assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Producing thiophanes. 2,579,682, Dec. 25.
Sutter, Paul, Binningen, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Anthraquinone vat dyestuffs. 2,580,201, Dec. 25.
Suttle, Eugene R., Wichita, Kans. Electrode holder for arc lamps. 2,580,137, Dec. 25.
Sylvania Electric Products Inc., assignee: *See*—
Butler, Keith H.
Gartner, Stanley J., and Kulberg.
Moses, Robert C.
Symons, Arthur H., assignor to Symons Clamp and Mfg. Company, Chicago, Ill. Tie rod for concrete wall forms. 2,580,330, Dec. 25.
Symons Clamp and Mfg. Company, assignee: *See*—
Symons, Arthur H.
Syntex S. A., assignee: *See*—
Djerassi, Carl, Rosenkranz, and Berlin.
Szerenyi, Andrew: *See*—
Rollman, Heinz W., and Szerenyi.
Tacchella, Andrew J., Portland, Oreg., assignor, by mesne assignments, to Steady-Flow Freezer Co. Dispensing device having solenoid operated plunger and valve. 2,580,256, Dec. 25.
Tacchella, Andrew J., Portland, Oreg., assignor, by mesne assignments, to Steady-Flow Freezer Co. Device for moving ice-cream cones into position for receiving ice cream and then delivering them to a customer. 2,580,257, Dec. 25.
Talalay, Anselm, New Haven, and A. P. Barton, Hamden, assignors to The Sponge Rubber Products Company, Shelton, Conn. Reinforced fibrous porous cushioning material. 2,580,202, Dec. 25.
Tarasuk, Michael, Detroit, Mich. Illuminated mirror. 2,580,258, Dec. 25.
Taylor, Marion A. D.: *See*—
Nelson, Charles R., Taylor, Davidson, and Peters.
Taylor, Marion D.: *See*—
Deahl, Thomas J., Stross, and Taylor.
Taylor, Walter W., Oakland, Calif. Fluid discharge gun. 2,579,625, Dec. 25.
Teetor, Don H., Hagerstown, Ind. Pumping apparatus. 2,580,331, Dec. 25.
Teetor, Don H., Hagerstown, Ind. Pumping apparatus. 2,580,332, Dec. 25.
Tefft, Albert A., Pawtucket, R. I. Combination tool. 2,579,768, Dec. 25.
Tegge, Bruce R.: *See*—
Fenske, Merrell R., and Tegge.
Teletype Corporation, assignee: *See*—
Potts, Louis M.
Tengesdahl, Ingolf C., assignee: *See*—
Williams, Charles H.
Terry, Victor J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Telegraph relay. 2,579,523, Dec. 25.

Terry, Victor J., and T. F. S. Hargreaves, London, England, assignors to International Standard Electric Corporation. Modulator for carrier telegraph systems. 2,579,524, Dec. 25.
Textile and Chemical Research Company Limited, assignee: *See*—
Drisch, Nicolas, and Fays.
Textile Machine Works, assignee: *See*—
Ruehling, Frederick W., and Haehnel.
Thomas, Allen B., Rochester, N. Y. Divisible carton. 2,580,333, Dec. 25.
Thompson, Kenneth C., Lyons, Ill. Vaporizer. 2,579,626, Dec. 25.
Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Interference suppression in radio signaling systems. 2,579,882, Dec. 25.
Thompson, Robert W.: *See*—
McDuffie, Bruce, Schelberg, and Thompson.
Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Flame failure control system. 2,579,883, Dec. 25.
Thomson, E. Craig, Boston, and P. Giuffrida, Lawrence, assignors to Combustion Control Corporation, Cambridge, Mass. Flame failure safeguard. 2,579,884, Dec. 25.
Thornton, Michael E., Los Angeles, Calif. Apparatus for operating automatic telephones. 2,579,983, Dec. 25.
Thrall, Walter I.: *See*—
Douglas, Courtney C., and Thrall.
Tietig, Chester: *See*—
Badgley, Robert F., Wilken, and Tietig.
Tilden, Carl V., Pasadena, Calif. Drill bit. 2,579,712, Dec. 25.
Tilt-A-Door Corporation, assignee: *See*—
Smith, Wesley A.
Tinklepaugh, Claude L.: *See*—
Oom, Benjamin J., Tinklepaugh, and Westen.
Tinsley, John S.: *See*—
Pyle, George H., and Tinsley.
Tirips Corporation, The, assignee: *See*—
Castner, Frank G.
Tolle, Paul A., Dayton, Ohio. Float. 2,579,713, Dec. 25.
Topanelian, Edward, Jr., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Hammer drill. 2,580,203, Dec. 25.
Tore, Alton J., Westmont, and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Frequency converter and oscillator circuit. 2,580,051, Dec. 25.
Torre, Alton J., Westmont, and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Nonlinear signal transmission system. 2,580,052, Dec. 25.
Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Building and parking arrangement. 2,580,204, Dec. 25.
Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Deflection system. 2,579,627, Dec. 25.
Town Fashions Inc., assignee: *See*—
Cooper, Arthur M., and Bening.
Tremblay, Albert F., assignor to Kent-Owens Machine Company, Toledo, Ohio. Glass blowing apparatus. 2,579,628, Dec. 25.
Treuthart, Robert L., Garfield, Ark. Mechanical bubble blowing device. 2,579,714, Dec. 25.
Trought, Norman J., Kearny, N. J. Dry shaver. 2,580,138, Dec. 25.
Trowbridge, William L., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Filters for removing dust from gas or air. 2,579,984, Dec. 25.
Truby, Harry A.: *See*—
Smith, John J., Duncan, and Truby.
Trump, Arthur L., assignor, by mesne assignments, to Saunders Valve Company Limited, Cwmbran, England. Fluid control valve. 2,579,982, Dec. 25.
Tubbs, Lester G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torsion meter system. 2,579,629, Dec. 25.
Tubular Rivet and Stud Company, assignee: *See*—
Doyle, Thomas J.
Tutwiler, Thomas S., Elizabeth, J. C. Munday, Cranford, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Mineral oil containing copolymers of alpha-beta unsaturated dicarboxy esters with alpha-beta unsaturated monocarboxy acids. 2,580,053, Dec. 25.
Twisdale, Parthenia L., Devon, Pa. Lipstick container closure and lipstick applicator. 2,580,130, Dec. 25.
Tyler, Edward P., North Hollywood, Calif. Drinking fountain attachment. 2,579,769, Dec. 25.
Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.
Underwood Corporation, assignee: *See*—
Dobson, William A.
Pitman, Henry L.
Union Manufacturing Company, assignee: *See*—
Church, Albert E.
Union Totalisator Company, Limited, The, assignee: *See*—
Handley, John.
United Aircraft Corporation, assignee: *See*—
Anderson, Benjamin T., and Welch.
Best, Stanley G.
United Pipe Nipple Company, assignee: *See*—
Briglia, Anton.
United Shoe Machinery Corporation, assignee: *See*—
Ashley, Merwin F.
Lancaster, John T.
United States Hat Machinery Corporation, assignee: *See*—
Genest, Homer A., and W. H.
United States Rubber Company, assignee: *See*—
Davison, John A., and Dunn.
Homeier, Otto F., and Scheib.
Schoene, Dwight L.
United States Steel Company, assignee: *See*—
Allen, William S.
Grazier, Doré W.
Seeley, Dewey M.
Universal Oil Products Company, assignee: *See*—
Murray, Maurice J.
University of California, the Regents of the, assignee: *See*—
Gier, Joseph T., Boelter, Bromberg, and Dempster.
Upper, John A., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Pouring arc furnace. 2,579,885, Dec. 25.
Uschmann, Curt, Lebanon, assignor to Cascades Plywood Corporation, Portland, Oreg. Fiber dispersing machine and method. 2,579,770, Dec. 25.
Vacheron, Jean: *See*—
Secondi, Raymond G., and Vacheron.
Vail, Walter E.: *See*—
Beekley, John S., and Vail.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Store wall furniture. 2,580,334, Dec. 25.
Van Hasselt, Marc: *See*—
Wright, Esmond P. G., van Hasselt, and Weir.
Van Weenen, Franciscus L.: *See*—
Rinia, Herre, de Brey, and van Weenen.
Van Zomeren, William H., Kalamazoo, Mich. Drum type abrading device. 2,580,140, Dec. 25.
Varela, Arthur A., Washington, D. C. Rectangular and saw-tooth impulse generator. 2,579,525, Dec. 25.
Varela, Andrew A., Old Greenwich, Conn., and R. J. Schupp, Port Chester, assignors to American Cyanamid Company, New York, N. Y. Molded tableware articles and resins used to produce same. 2,579,985, Dec. 25.
Vaterrodt, Peter, Rutherford, and R. E. Choyce, assignors to Botany Mills, Inc., Passaic, N. J. Lanolin alcohols from wool grease. 2,579,986, Dec. 25.
Vettel, Arthur W., Watsonville, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation, Making pebble-shaped magnesia refractory. 2,579,886, Dec. 25.
Vidal, Leonardo J., Buenos Aires, Argentina. Portable book-record holder. 2,580,141, Dec. 25.
Vierling, John A., assignor to Brown & Bigelow, St. Paul, Minn. Selective writing instrument. 2,579,887, Dec. 25.
Vincent, Carl, assignor of one-fourth to P. Pinsof, Chicago, Ill. Journal box guard. 2,580,370, Dec. 25.
Vincent, Joseph L., Chicago, Ill. Improved ball mount for fluid meter vanes. 2,579,987, Dec. 25.
Vincent, Kenneth I. C.: *See*—
Lombard, Adrian A., Vincent, and Morley.
Vincent, Willard V., assignor to The Lathrop-Paulson Company, Chicago, Ill. Conveyer wheel curve device. 2,580,054, Dec. 25.
Vix, Henry L. E., J. J. Spadaro, E. F. Pollard, E. A. Gastrock, and R. M. Persell, New Orleans, La., and C. H. Murphy, Jr., Itta Bena, Miss., assignors to the United States of America as represented by the Secretary of Agriculture. Fractionation of cottonseed. 2,579,526, Dec. 25.
Voet, Andries, assignor, by mesne assignments, to J. M. Huber Corporation, New York, N. Y. Black printing inks. 2,580,205, Dec. 25.
Voight, George F., El Cerrito, assignor to A. L. Ruff, Oakland, Calif. Cutting and scraping tool. 2,580,142, Dec. 25.
Von Baeyer, Hans J., Baden, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Microwave generator. 2,579,630, Dec. 25.
Von Hofe, George W., Bound Brook, and H. A. Nefzger, Hackensack, assignors to New Jersey Machine Corporation, Hoboken, N. J. Mechanism for applying labels. 2,579,631, Dec. 25.
Von Reis, Gustav: *See*—
Kaplan, Leo I., and von Reis.
Vore, Herbert G.: *See*—
Allen, Kenneth R., and Vore.
Vore, Milton P., and M. J. Gelpi, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical strain measuring apparatus. 2,579,632, Dec. 25.
Voris, Robert S., assignor to Hercules Powder Company, Wilmington, Del. Manufacture of DDT. 2,580,335, Dec. 25.
Votypka, John W., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Header bar construction for folding tops. 2,580,336, Dec. 25.
Votypka, John W., assignor to Detroit Harvester Company, Detroit, Mich. Folding top structure. 2,580,337, Dec. 25.

Vroom, Edward: *See*—
Dehn, Joseph W., and Vroom.
Wade Engineering Limited, assignee: *See*—
Densham, Costin L.
Wadzinski, Le Roy J., Chicago, Ill. Variload and varibias circuits. 2,579,633, Dec. 25.
Wagner Electric Corporation, assignee: *See*—
Klinksiek, Karl.
Walburn, George L., Auburn, Ind. Tractor mounted planter. 2,579,988, Dec. 25.
Waldes Kohinoor, Inc., assignee: *See*—
Soave, John Y.
Wales, Nathaniel B., Jr., New York, N. Y. Radio energized lamp. 2,579,989, Dec. 25.
Wallace, James M., East McKeesport, and P. Silvius, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Interlocked switches. 2,580,338, Dec. 25.
Wanless, Graham G.: *See*—
Gould, Leslie R., and Wanless.
War, United States of America as represented by the Secretary of, assignee: *See*—
Bess, Leon.
Huston, William D., and Brady.
Warren, Gilman G., Braintree, assignor to American Electric Furnace Inc., Boston, Mass. Molten bath furnace. 2,579,634, Dec. 25.
Warren Petroleum Corporation, assignee: *See*—
Murphy, Clarence R.
Warren, Pickett L., and F. E. Schultz, assignors to Royal Electric Manufacturing Company, Chicago, Ill. Electric switch. 2,579,771, Dec. 25.
Warsell, Georgene P., assignee: *See*—
Wassell, Frank L.
Wassell, Frank L., assignor to G. P. Warsell, Westport, Conn. Movable strip indicator board. 2,580,143, Dec. 25.
Waterbury Companies, Incorporated, assignee: *See*—
Magnenat, René P.
Watson, Charles G., assignor to The Youngstown Welding & Engineering Company, Youngstown, Ohio. Method of and apparatus for pickling tubes. 2,580,371, Dec. 25.
Watson, Kenneth: *See*—
Pullin, Cyril G., and Watson.
Watt, Alexander, assignor to G. A. Robinson, Calgary, Alberta, Canada. Cable overthrow loader for tractors. 2,579,888, Dec. 25.
Watts, William S., Dearborn, Mich., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,580,206, Dec. 25.
Weaver, Ruth K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin spreading device. 2,579,990, Dec. 25.
Webb, Irving D.: *See*—
Brooks, Richard E., and Webb.
Weber, Jean L., Puteaux, France. Wire nail machine. 2,580,055, Dec. 25.
Webster, Stanley F., Nashville, Tenn. Adjustable table attachment. 2,580,144, Dec. 25.
Weinberg, Alvin, University City, Mo. Advertising display device. 2,579,889, Dec. 25.
Weir, Donald A.: *See*—
Wright, Esmond P. G., van Hasselt, and Weir.
Weiss, Dewey S., Portland, Oreg. Camera tripod head. 2,579,635, Dec. 25.
Weisberg, Louis, Stamford, Conn. Electrodeposition of nickel. 2,579,636, Dec. 25.
Welch, William A.: *See*—
Anderson, Benjamin T., and Welch.
Weltman, William C., and C. J. Straka, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenolic resin composition and products produced therefrom. 2,579,637, Dec. 25.
Westen, Edward E.: *See*—
Oom, Benjamin J., Tinklepaugh, and Westen.
Western Condensing Company, assignee: *See*—
Peebles, David D., Ciary, and Meade.
Western Electric Company, Incorporated, assignee: *See*—
Brillhart, Samuel E.
Frankwich, Alexander C.
Martin, Samuel M.
Merwin, Harry H.
Westinghouse Air Brake Company, assignee: *See*—
Aikman, Burton S.
Allen, Earl M.
Brannen, Paul M.
Erson, Erik G.
Stevens, Roy R.
Stevens, Roy R., and Brooks.
Whitney, Ralph T.
Westinghouse Electric Corporation, assignee: *See*—
Brown, Myron J.
Crabbs, Herbert J.
Cummings, Ira R.
Ebert, Theodore E.
Ford, James G.
Friedrich, Robert E., and Leeds.
Heck, James R.
Herchenroeder, Louis W.
Hoover, Dillon B.
Horstman, Clifford C., Burkhardt, and Ellis.
Kraft, Joseph K.
Kroft, Herbert M.
Westinghouse Electric Corporation, assignee: *See*—Con.
Leeds, Winthrop M.
Lenehan, Bernard E.
Ley, Gordon S., Miller, and Nims.
McLane, Fletcher E.
Minter, Herbert F., and Leven.
Sonnemann, William K.
Tubbs, Lester G.
Vore, Milton P., and Gelpi.
Wallace, James M., and Silvius.
Weltman, William C., and Straka.
Wetherbee, Charles F., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Temperature equalizing means for furnaces. 2,580,259, Dec. 25.
Weyerhaeuser, Frederick, St. Paul, Minn., assignor to Rock Island Millwork Company, Rock Island, Ill. Loading dry granular mixtures. 2,579,527, Dec. 25.
Wheeler, Clyde A.: *See*—
Donnelly, Lawrence E., and Wheeler.
Wheeler, Thomas L., Jr., Columbus, Ohio. Electrically lighted wall switch plate. 2,580,056, Dec. 25.
Whirlpool Corporation, assignee: *See*—
Morrison, Harold E.
White, Blanche B.: *See*—
Seymour, George W., White, and Kirshen.
White, Godfrey L., Osceola, Ark. Attachment for controlling weeds in cotton. 2,580,145, Dec. 25.
Whitney, Ralph T., Irwin, Pa., assignor to Westinghouse Air Brake Company. Control apparatus. 2,580,372, Dec. 25.
Whittle, Frank, Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Jet pipe for jet-propelled aircraft. 2,580,207, Dec. 25.
Wiegand, David E., Villa Park, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Electromagnetic transducer head assembly. 2,580,208, Dec. 25.
Wies, Calmy, New York, N. Y., J. B. R. Caron, North Plainfield, and E. B. Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif. Nonclogging distillate fuel oil. 2,579,890, Dec. 25.
Wiggins, John H., assignee: *See*—
Allen, John W.
Wiggins, John H., Chicago, Ill. Ventilated wall structure for dry seal gasholders. 2,579,891, Dec. 25.
Wilder, Marshall P., Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y. Making an image storage screen. 2,579,772, Dec. 25.
Wiley, Robert D., Birmingham, Mich. Filter for fluids. 2,580,209, Dec. 25.
Wilhelm, Joseph F., Green Bay, Wis. Float gauge. 2,580,057, Dec. 25.
Wilken, William A.: *See*—
Badgley, Robert F., Wilken, and Tietig.
Willhelm, Oscar, New London, Conn., assignor to Durham-Enders Razor Corporation. Safety razor. 2,580,058, Dec. 25.
Williams, Charles H., assignor of thirty-nine one-hundredths to L. W. Randall, and ten one-hundredths to I. C. Tengesdahl, Bridgeport, Conn. Shears. 2,579,773, Dec. 25.
Williams, John E., United States Navy, Atlantic City, N. J. Differential electronic amplifier. 2,579,528, Dec. 25.
Williams, Lydia K., White Lake, S. Dak. Seam ripping attachment for sewing machines. 2,580,146, Dec. 25.
Wilson, Ernest, Los Angeles, Calif. Wire fence gate. 2,580,147, Dec. 25.
Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition controlling apparatus. 2,579,716, Dec. 25.
Wilson, Joseph F.: *See*—
Hillyer, John C., and Wilson.
Wilson, Norman E., University City, and A. L. Saeks, Clayton, assignors to The Puro Co., Inc., St. Louis, Mo. Moth repellent and deodorant container. 2,579,715, Dec. 25.
Winans, Roswell R.: *See*—
Lubin, George, and Winans.
Winters, Edward J., New Hyde Park, assignor to The Lummus Company, New York, N. Y. Bubble cap holddown device. 2,580,260, Dec. 25.
Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Antinoise carrier receiving system. 2,580,148, Dec. 25.
Wittcoff, Harold: *See*—
Jordan, Wesley A., and Wittcoff.
Roach, John R., and Wittcoff.
Wolf, Donald E., Franklin Township, Union County, assignor to Merck & Co., Inc., Rahway, N. J. 2-hydroxypteroic acid and the n-formylated derivatives thereof. 2,580,059, Dec. 25.
Wolman, Irving J., Philadelphia, Pa. Measured volume liquid dropper. 2,579,718, Dec. 25.
Wood, Conrad, assignor to Wood Manufacturing Company, El Dorado, Ark. Fish lure. 2,579,991, Dec. 25.
Wood, Joseph D., Strafford Village, Tedyffrin Township, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Ground testing device. 2,579,992, Dec. 25.
Wood Manufacturing Company, assignee: *See*—
Wood, Conrad.

Wood, Myron D., Haddon Heights, N. J. Liquid level indicator. 2,579,717, Dec. 25.
Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, assignee: *See*—
Nash, Cyril W.
Woodling, George V., Cleveland, Ohio. Flareless tube connection. 2,579,529, Dec. 25.
Woods, John E., Cohasset, assignor to Standard-Thomson Corporation, Boston, Mass. Control means for heat exchange apparatus. 2,580,149, Dec. 25.
Woods, Samuel J., Newport, R. I. Serving machine. 2,579,993, Dec. 25.
Woodward, George A., Jr., Miami Springs, Fla. Boundary layer control and intake system for aircraft. 2,580,339, Dec. 25.
Wooten, Lewis A., Barth, Fla. Brick scribing and marking device. 2,580,263, Dec. 25.
Worcester, Joseph A., Jr., Syracuse, N. Y., assignor to General Electric Company. Frequency-modulation demodulator system. 2,580,261, Dec. 25.
Worst, Joseph C., Bridgeport, Conn., assignor to General Electric Company. Hydraulic power unit for domestic ironing machines. 2,580,262, Dec. 25.
Wright, C. S., & Company, assignee: *See*—
Wright, Chauncey S.
Wright, Charles S., Woodside, N. Y. Combination level and angle indicator for cylindrical members. 2,579,893, Dec. 25.
Wright, Chauncey S., assignor to C. S. Wright & Company, Dayton, Ohio. Outdoor projection screen. 2,579,892, Dec. 25.
Wright, Esmond P. G., M. van Hasselt, and D. A. Weir, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Four-wire to two-wire connecting circuit. 2,579,530, Dec. 25.
Wright Machinery Company, assignee: *See*—
Smith, Haywood C., and Petrea.
Wright, Mildred A., and D. E. Gates, Bevier, Mo. Forming artificial breasts. 2,580,264, Dec. 25.
Yaghubian, Hagop J., Bronx, N. Y. Foundation front for garments. 2,579,894, Dec. 25.
Yocom, Wayne A., assignee: *See*—
Johansen, Gordon W., and Copley.
Yoder, Howard D., Farmington, Mich., assignor, by mesne assignments, to Buffalo-Eclipse Corporation. High-pressure liquid level gauge. 2,579,719, Dec. 25.
Youngstown Welding & Engineering Company, The, assignee: *See*—
Watson, Charles G.
Zadra, John B., Reno, Nev., assignor to the United States of America as represented by the Secretary of the Interior. Extracting gold and silver. 2,579,531, Dec. 25.
Zimmer, Myron J., Wood Dale, and E. L. Duskey, Western Springs, assignors to Ekco Products Company, Chicago, Ill. Safety plug for pressure cookers. 2,580,340, Dec. 25.
Zimmerman, Charles, Brooklyn, N. Y., assignor to the United States of America as represented by the Atomic Energy Commission. Preparing perhaloacetyl peroxide. 2,580,373, Dec. 25.
Zimmerman Packing Company, assignee: *See*—
Zimmerman, Ralph C.
Zimmerman, Ralph C., assignor to Zimmerman Packing Company, Norwood, Ohio. Packaging sheet material. 2,580,060, Dec. 25.
Zinn, Walter H., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Neutron density indicator device. 2,579,994, Dec. 25.
Zuckerman, Joseph S., Chicago, Ill. Self-contained cooler using Dry Ice refrigerant. 2,580,210, Dec. 25.
Zurn, J. A., Manufacturing Company, assignee: *See*—
Schmid, John H.
Zwilling, Jean-Paul, H. Bassoli, and C. Grander, Saindres, France, assignors to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Production of acrylic nitrile. 2,579,638, Dec. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Helicopter with jet-driven lift rotor. C. G. Pullin. Re. 23,448, Dec. 25.
Ice product and making the same. K. T. Orrison. Re. 23,446, Dec. 25.
Watering device. V. H. Pruitt. Re. 23,447, Dec. 25.

LIST OF PLANT INVENTIONS

Rose plant. E. S. Boerner. 1,056, Dec. 25.
Rose plant. E. S. Boerner. 1,057, Dec. 25.
Rose plant. G. De Ruiter. 1,058, Dec. 25.

LIST OF DESIGN INVENTIONS

Ash tray. J. A. Moore. 165,538, Dec. 25.
Automobile stone shield. T. L. Martin. 165,537, Dec. 25.
Bracelet or the like. A. Philippe. 165,549, Dec. 25.
Brooch or similar article. C. F. Gierke. 165,520, Dec. 25.
Brooch or similar article. A. Philippe. 165,541, Dec. 25.
Brooch or the like. A. Katz. 165,527–8, Dec. 25.
Brooch or the like. A. Philippe. 165,544–6, Dec. 25.
Cabinet and breakfast table, Combination kitchen. O. B. Marshall. 165,536, Dec. 25.
Cabinet and chair therefor, Combined sewing machine. A. Schukat. 165,554, Dec. 25.
Cabinet, Radio. R. D. Budlong. 165,507–8, Dec. 25.
Cage, Bird. M. Yellin. 165,567, Dec. 25.
Calculating machine. J. C. Sinel. 165,557, Dec. 25.
Card shuffling aid. C. L. Shedd. 165,556, Dec. 25.
Chain for a bracelet or the like, Expansible link. E. E. Fachon. 165,517, Dec. 25.
Chain for a bracelet or the like, Expansible link. E. Rodriguez. 165,551, Dec. 25.
Cleaner, Vacuum clothes. E. C. Calvin. 165,509, Dec. 25.
Counter. A. Van Veen. 165,564, Dec. 25.
Cup, Drinking. A. S. Yecko and R. H. Fitzgerald. 165,566, Dec. 25.
Dish, grab bar, and collapsible shelf for shower stalls, Combined soap. G. J. Lind. 165,532, Dec. 25.
Earring or the like. A. Philippe. 165,542–3, Dec. 25.
Fabric or the like. S. Bochner. 165,505, Dec. 25.
Fender, Automobile. F. Stanley. 165,560, Dec. 25.
Fishing rod and reel, Combined. A. C. Shafer. 165,555, Dec. 25.
Front plate for a typewriting machine. T. G Clement. 165,513, Dec. 25.
Hairbrush. E. L. H. Cosby. 165,514, Dec. 25.
Handbag. L. K. Rotkel. 165,552, Dec. 25.
Handle, Fishing rod. D. M. Kitterman. 165,529, Dec. 25.
Handle for refrigerated cabinets. C. H. Kafer. 165,526, Dec. 25.
Handle, Oven door. R. A. Stone. 165,561, Dec. 25.
Holder or the like, Deodorant. M. Fink. 165,518, Dec. 25.
Keyboard guard for a typewriting machine. T. G. Clement. 165,512, Dec. 25.
Knife sharpener. A. Iannelli. 165,523, Dec. 25.
Lamp and plant holder, Combination. L. J. Cianciolo. 165,510, Dec. 25.
Model airplane. L. F. Johnson. 165,524, Dec. 25.
Necklace or the like. A. Philippe. 165,547–8, Dec. 25.
Plate or similar article. G. J. Higginson. 165,522, Dec. 25.
Popper, Corn. H. J. Lebherz. 165,531, Dec. 25.
Purse. B. Neal. 165,540, Dec. 25.
Purse, Utility. H. I. Thomas. 165,562, Dec. 25.
Rack, Combination hat and clothes. G. W. Barlow. 165,502, Dec. 25.
Rack or similar article. S. Schoor. 165,553, Dec. 25.
Ring, Finger. V. Sorrentino. 165,558, Dec. 25.
Slingshot. J. B. Bell. 165,504, Dec. 25.
Sole and heel unit for footwear, Combined. W. MacPherson. 165,535, Dec. 25.
Spoon or other article of flatware. L. V. M. Helander. 165,521, Dec. 25.
Stand, Christmas tree. J. P. Lasecki. 165,530, Dec. 25.
Stocking, Lace top. M. Junghans. 165,525, Dec. 25.
Stool. A. L. Turnbull. 165,563, Dec. 25.
Sun glasses. B. J. Lowres. 165,533, Dec. 25.
Sun suit, One-piece. B. A. Brenner. 165,506, Dec. 25.
Thermostat casing. C. B. Morgan. 165,539, Dec. 25.
Toy jet propelled boat. N. Barsotti. 165,503, Dec. 25.
Tray. G. A. Francis. 165,519, Dec. 25.
Tray, Lipstick. V. A. White. 165,565, Dec. 25.
Typewriter, Electric. L. R. Prouty. 165,550, Dec. 25.
Typewriting machine. T. G. Clement. 165,511, Dec. 25.
Vehicle door panel or similar article. J. H. Spence. 165,559, Dec. 25.
Wheeled carrier. H. B. Eging. 165,516, Dec. 25.
Wheel cover or similar article. G. A. Lyon. 165,534, Dec. 25.
Window valance. G. E. Eckert. 165,515, Dec. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF DECEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accordion folding door. G. E. Dixon, Jr. 2,579,910, Dec. 25.
Accordion stand. J. A. Mooney. 2,580,120, Dec. 25.
Accumulator engaging mechanism for adding and subtracting machines. G. V. Liljeström. 2,580,031, Dec. 25.
Acrylic nitrile, Production of. J. Zwilling, H. Bassoli, and C. Granger. 2,579,638, Dec. 25.
Actuating means for fastener driving machines. J. G. Soave. 2,580,135, Dec. 25.
Acylation of diarylguanidine salts of diaminostilbene sulfonic acids. H. Z. Lecher and D. R. Eberhart. 2,580,234, Dec. 25.
Adapter for snap gauges. A. H. Emery. 2,580,009, Dec. 25.
Adhesive composition. J. E. Fenn. 2,579,481, Dec. 25.
Adhesive composition. J. E. Fenn. 2,579,483, Dec. 25.
Adhesive composition of sulphite waste liquor, phosphoric acid, and sulfur dioxide. J. E. Fenn. 2,579,482, Dec. 25.
Adjustable and nonslotted extension member for doors. G. P. and W. N. Ray. 2,579,861, Dec. 25.
Adjustable dental tray for making artificial dentures. J. W. Robinson. 2,579,965, Dec. 25.
Adjustable empennage. C. L. Johnson. 2,580,176, Dec. 25.
Adjustable guide arm. S. E. Hopper. 2,579,923, Dec. 25.
Adjustable shoe gripper. N. M. Morris. 2,579,953, Dec. 25.
Adjustable temperature responsive device for combustion furnaces. W. J. Hatton. 2,580,173, Dec. 25.
Air-conditioning apparatus and the like. G. S. Dauphinee. 2,579,477, Dec. 25.
Air-cooling apparatus for vehicle wheels. H. J. Butler. 2,580,001, Dec. 25.
Aircraft, Rotary wing. R. A. C. Brie. 2,579,647, Dec. 25.
Aircraft with rotary wings. C. G. Pullin and K. Watsen. 2,579,860, Dec. 25.
Airplane and helicopter, Convertible. H. K. Moore. 2,580,312, Dec. 25.
Aligning means for vehicle hoists. H. K. Hecker. 2,580,091, Dec. 25.
Alloy: *See*—
  Heat-resistant ferritic alloy.
Amalgamating machine. W. Styles. 2,579,881, Dec. 25.
Amplifier, Double-acting proportional hydraulic pressure power. E. G. Staude. 2,579,711, Dec. 25.
Amplifying and oscillating tube with traveling wave control. O. Dohler, H. Huber, and W. Kleen. 2,580,007, Dec. 25.
Analyzer. J. W. Hutchins. 2,579,825, Dec. 25.
Anhydrous magnesium carbonate, Manufacture of. G. H. Gloss. 2,580,168, Dec. 25.
Animal seat and exercising device. E. M. Churchfield and W. Barnes, Jr. 2,579,797, Dec. 25.
Antenna mounting. M. R. Friedberg. 2,580,350, Dec. 25.
Anthraquinone vat dyestuffs. P. Sutter and W. Kern. 2,580,201, Dec. 25.
Anticorrosion compositions. M. Fainman. 2,580,288, Dec. 25.
Antinoise carrier receiving system. W. H. Wirkler. 2,580,148, Dec. 25.
Apparatus for casting heads on pins. L. H. Morin and O. Gries. 2,579,951, Dec. 25.
Apparatus for cleaning pipes. W. A. Frank. 2,579,813, Dec. 25.
Apparatus for dehydrating air. H. J. Kaufman. 2,579,830, Dec. 25.
Apparatus for effecting or controlling traverse of a body between opposed walls. H. Spragg. 2,579,981, Dec. 25.
Apparatus for extracting mandrels from cavitied plastic structures. D. Gonda. 2,580,223, Dec. 25.
Apparatus for feeding cut tobacco. D. W. Molins, F. P. Rusu, and A. E. Francis. 2,579,950, Dec. 25.
Apparatus for fluid filling of containers. W. M. Fleming. 2,579,916, Dec. 25.
Apparatus for holding documents for manifold writing. A. and G. B. Elisabeth. 2,579,808, Dec. 25.
Apparatus for making coaxial cable units. S. E. Brillhart. 2,579,468, Dec. 25.
Apparatus for operating automatic telephones. M. E. Thornton. 2,579,983, Dec. 25.
Apparatus for preparing explosives. F. A. F. Crawford. 2,579,474, Dec. 25.
Apparatus for proportioning liquids. H. G. Freeman. 2,580,011, Dec. 25.
Apparatus for rapid solution and/or suspension of powdered solids. D. D. Peebles and G. P. Hensley. 2,580,316, Dec. 25.
Apparatus for removing moisture from heat insulating walls. C. G. Munters. 2,579,509, Dec. 25.
Apparatus for rotating and spray painting disks. C. Giordano, Jr. 2,579,737, Dec. 25.
Apparatus for supplying solid material to liquids. E. L. Prizer. 2,579,859, Dec. 25.
Apparatus for the preparation of metal halides. B. McDuffie, A. D. Schelberg, and R. W. Thompson. 2,580,357, Dec. 25.
Apparatus for unloading pulverulent material from tanks. M. J. Bozich. 2,580,214, Dec. 25.
Apparatus for unloading pulverulent material from transportation tanks. M. J. Bozich. 2,580,215, Dec. 25.
Apparatus for vaporizing heavy liquid fuels. A. le Coënt, H. Guillon, and R. Roubinet. 2,580,179, Dec. 25.
Appliance for cleaning Venetian blinds. G. Schneider. 2,579,870, Dec. 25.
Applicator, Wax distributing. W. J. Lundberg. 2,579,842, Dec. 25.
Aqueous emulsion polymerization with low initial soap concentration. J. A. Davison and W. R. Dunn. 2,579,908, Dec. 25.
Arrangement for selecting electric pulses of given width. P. K. Chatterjea. 2,579,473, Dec. 25.
Article of furniture, Reclining. A. Lorenz. 2,579,502, Dec. 25.
Asphalt suspension, Pumpable powdered. H. F. Dague. 2,579,652, Dec. 25.
Attaching printing members to cylinders of printing presses. G. S. Rowell and H. McGeorge. 2,579,517, Dec. 25.
Attachment for controlling weeds in cotton. G. L. White. 2,580,145, Dec. 25.
Audible piston position indicator. J. V. Spadola. 2,579,710, Dec. 25.
Audio signal modifying apparatus. R. C. Moses. 2,580,376, Dec. 25.
Automatic comparator for records. R. F. Badgley, W. A. Wilken, and C. Tietig. 2,580,270, Dec. 25.
Automatic frequency control system. H. R. Summerhayes, Jr. and P. W. Howells. 2,580,254, Dec. 25.
Automatic pickup device. P. Blaire. 2,579,539, Dec. 25.
Automatic starting system for internal-combustion engines. F. J. Perhats. 2,579,958, Dec. 25.
Automatic stop for calculating machines. G. W. Hopkins and J. L. Moody. 2,580,298, Dec. 25.
Automatic telephone message accounting system. J. W. Dehn and E. Vroom. 2,579,729, Dec. 25.
Automatically injecting fuel into engines. E. B. Marr. 2,579,687, Dec. 25.
Automobile body construction. B. J. Brown. 2,580,156, Dec. 25.
Auxiliary light for automobiles. L. Dawley. 2,579,653, Dec. 25.
Axial-flow compressor on turbine. A. A. Lombard, K. I. C. Vincent, and F. W. W. Morley. 2,579,745, Dec. 25.
Azo compound. E. Steinberg. 2,580,251, Dec. 25.
Bag: *See*—
  Sleeping bag.
Ball mount for fluid meter vanes, Improved. J. L. Vincent. 2,579,987, Dec. 25.
Band saw machine, Tiltable table. M. Orescan. 2,579,955, Dec. 25.
Bandage. E. L. Dubé. 2,580,085, Dec. 25.
Bar: *See*—
  By-pass meter bar.
Barn, Tobacco curing. L. T. Leitner. 2,579,681, Dec. 25.
Bath implement. A. C. Hempel. 2,580,226, Dec. 25.
Belt covering machine. O. F. Homeier and L. Scheib. 2,579,822, Dec. 25.
Bench plate, Technician's. C. A. Martin. 2,579,844, Dec. 25.
Benzoguanamine resin surface coating materials and preparing the same. F. B. Spencer. 2,579,980, Dec. 25.
Bicycle brake conserving device. H. H. Henry. 2,579,573, Dec. 25.
Bicycle, tandem, or like frame. E. Mercier. 2,580,118, Dec. 25.
Billfold and purse, Combination. S. Knee. 2,579,833, Dec. 25.
Binder detachable hand rest. G. M. Flatin and A. H. Rorvig. 2,579,915, Dec. 25.

Bit: *See*—
Drill bit.
Blackening iron and steel and composition of matter therefor. I. L. Newell. 2,579,752, Dec. 25.
Block: *See*—
Pillow block.
Board: *See*—
Movable strip indicator board.
Bobbin stripping device. L. Clark. 2,580,003, Dec. 25.
Bobby pin spreading device. R. K. Weaver. 2,579,990, Dec. 25.
Bonded magnetic core structure. J. G. Ford. 2,579,560, Dec. 25.
Bookbinding. H. Freeman. 2,579,488, Dec. 25.
Bottle cap. M. Robeski. 2,580,322, Dec. 25.
Boundary layer control and intake system for aircraft. G. A. Woodward, Jr. 2,580,339, Dec. 25.
Box: *See*—
Face powder box. Tablet box.
Self-locking folding box.
Bracket: *See*—
Combination bracket.
Condiment holder supporting bracket.
Brake apparatus, Fluid pressure. E. G. Erson. 2,580,348, Dec. 25.
Brake for fishing reels, Automatic. R. L. Allen. 2,579,532, Dec. 25.
Brassière, Strapless. E. Cadous. 2,579,545, Dec. 25.
Brick scribing and marking device. L. A. Wooten. 2,580,263, Dec. 25.
Brush manufacture. R. O. Peterson and V. K. Charvat. 2,580,378, Dec. 25.
Bubble cap hold-down device. E. J. Winters. 2,580,260, Dec. 25.
Building and parking arrangement. H. A. Toulmin, Jr. 2,580,204, Dec. 25.
Building of nonpermanent bridges chiefly for military purposes by means of amphibian seaplanes. C. A. M. E. Odot. 2,579,605, Dec. 25.
Butter conditioner. A. E. Nave. 2,579,848, Dec. 25.
By-pass meter bar. C. C. Douglas and W. I. Thrall. 2,579,656, Dec. 25.
Cabinet: *See*—
Pulldown cabinet.
Cable overthrow loader for tractors. A. Watt., 2,579,888, Dec. 25.
Caisson. C. Goodman. 2,580,017, Dec. 25.
Call data recording telephone system. R. E. Hersey. 2,580,093, Dec. 25.
Cam actuated wrench. R. G. Secondi and J. Vacheron. 2,580,247, Dec. 25.
Camera diaphragm mechanism. A. Schwarz. 2,580,324, Dec. 25.
Camera track structure. A. E. Little. 2,580,309, Dec. 25.
Can body flanging mechanism. A. Funke. 2,579,919, Dec. 25.
Canvas awning attachment. W. M. McIlwaine. 2,579,947, Dec. 25.
Cap: *See*—
Bottle cap. Yarn doll cap.
Capping head. K. R. Allen and H. G. Vore. 2,579,775, Dec. 25.
Card, Greeting. A. Podmore. 2,580,241, Dec. 25.
Card index, Visible. R. W. Riggs. 2,579,757, Dec. 25.
Carrier: *See*—
Foldable golf bag carrier.
Carrier device for construction blocks. G. O. Ingram and A. Contos. 2,579,826, Dec. 25.
Cart, Battery. C. A. Adams. 2,579,639, Dec. 25.
Carton and wrapper for fragile articles, Combination. R. E. Paige. 2,580,043, Dec. 25.
Carton folder. E. J. Pagendarm. 2,580,189, Dec. 25.
Carton, Folding. W. R. Saidel. 2,579,760, Dec. 25.
Case sealing machine. E. J. Derderian. 2,579,803, Dec. 25.
Casing for the motors and spinning pots of textile spinning machines. W. Hartley. 2,580,172, Dec. 25.
Casket, Plastic. C. M. Reed. 2,579,756, Dec. 25.
Catalyst chamber. W. L. Houston, Jr. 2,579,672, Dec. 25.
Catalyst regeneration. G. F. Kuhn. 2,579,678, Dec. 25.
Catalytic dehydrogenation of piperazine to pyrazine. J. K. Dixon. 2,580,221, Dec. 25.
Catalytic isomerization of acetylenic hydrocarbons. J. C. Hillyer and J. F. Wilson. 2,579,669, Dec. 25.
Cathode-ray tube. J. S. Lockyer. 2,579,941, Dec. 25.
Cathode-ray type of electron discharge device. H. M. Smith. 2,580,250, Dec. 25.
Cellulose derivatives. G. W. Seymour, B. B. White, and H. R. Kirshen. 2,579,873, Dec. 25.
Cellulose sulfamylethyl ether. V. R. Grassie. 2,580,351, Dec. 25.
Centrifugal pump. G. K. Eggleston. 2,580,347, Dec. 25.
Chair: *See*—
Collapsible high chair. Theater chair.
Change-speed transmission. W. P. Schmitter. 2,579,869, Dec. 25.
Chart and holder therefor, Oil testing. T. W. Horn. 2,579,824, Dec. 25.
Check valve and venting means for hydrants. J. H. Schmid. 2,580,198, Dec. 25.
Chlorosilyl benzenes. L. de Pree, A. J. Barry, and D. E. Hook. 2,580,159, Dec. 25.
Circuit: *See*—
Dial pulse receiving circuit. High-frequency bridge circuit.
Electronic code pulse transmitting circuit. Pulse transformer circuit.
Four-wire to two-wire connecting circuit. Relay translating circuit.
Circuit breaker. J. G. Jackson. 2,579,673, Dec. 25.
Circuit breaker operation counter. J. K. Kraft. 2,580,304, Dec. 25.
Circuit breaker with disconnect. W. M. Leeds. 2,580,354, Dec. 25.
Circuit closure for textile machines, etc. A. E. Stevens. 2,580,136, Dec. 25.
Circuit controller, Chronometric. G. G. Ensign, R. C. Hoppe, and G. T. Soper. 2,579,914, Dec. 25.
Circuit interrupter. R. E. Friedrich and W. M. Leeds. 2,580,291, Dec. 25.
Circuit responsive to double sets of pulses, Pulse discrimination. L. Bess. 2,580,213, Dec. 25.
Clamp: *See*—
Tie wire clamp.
Clasp, Ear ornament. P. F. Leach. 2,579,588, Dec. 25.
Cleaner: *See*—
Thread cleaner.
Cleaner and humidifier for carburetors. A. Gazda. 2,580,013, Dec. 25.
Cleaning apparatus for loading, rotating, and spraying heavy workpieces. N. F. Clayborne. 2,580,344, Dec. 25.
Cleaning device, Egg. O. C., O., and H. O. Niederer. 2,579,604, Dec. 25.
Cleaning mechanism, Article. O. C., O., and H. O. Niederer. 2,579,603, Dec. 25.
Clip: *See*—
Hood bonding clip.
Clip for fastening a pugree to a hat. B. Fine. 2,579,558, Dec. 25.
Clothespin. E. A. Frantz. 2,579,660, Dec. 25.
Clothes pounder, Pressure type. J. W. F. Holl. 2,579,671, Dec. 25.
Clutch and speed control apparatus. R. R. Stevens. 2,580,367, Dec. 25.
Clutch and throttle control mechanism. R. H. Long. 2,580,107, Dec. 25.
Coated seed. S. R. Funsten and F. W. Burgesser. 2,579,732, Dec. 25.
Coated seed. F. W. Burgesser. 2,579,733, Dec. 25.
Coated seed. F. W. Burgesser. 2,579,735, Dec. 25.
Coating a lithographic plate, Method and apparatus for. G. S. Rowell. 2,580,131, Dec. 25.
Coating composition. K. Helmholtz. 2,580,023, Dec. 25.
Coating particulate material, Process and apparatus for. D. E. Marshall. 2,579,944, Dec. 25.
Coil annealing apparatus. C. Cone. 2,580,283, Dec. 25.
Coil spring retaining rod. A. G. Scampone. 2,579,970, Dec. 25.
Coke oven with gas recirculation means. C. W. Nash. 2,580,121, Dec. 25.
Collapsible container. A. Donald. 2,579,655, Dec. 25.
Collapsible high chair. A. T. Kvarnstrom. 2,580,178, Dec. 25.
Collet with interchangeable pad. G. C. Barnes. 2,580,067, Dec. 25.
Color-kinescopes, etc. M. W. Green. 2,579,665, Dec. 25.
Color sorting machine. E. H. Bickley. 2,580,275, Dec. 25.
Color television system. O. H. Schade. 2,579,971, Dec. 25.
Color television system. A. C. Schroeder. 2,579,705, Dec. 25.
Color vision testing device. E. Allgaier. 2,579,779, Dec. 25.
Combination bracket. F. J. Burns. 2,579,788, Dec. 25.
Combination fluid dispensing nozzle and fluid level indicating means. J. H. Chadwick. 2,580,157, Dec. 25.
Combination tool. A. A. Tefft. 2,579,768, Dec. 25.
Combined heel shell and comb for looms. W. A. Blanchard. 2,580,154, Dec. 25.
Combustion chamber with rotating fuel and air stream surrounding a flame core. J. L. Ray. 2,579,614, Dec. 25.
Communication apparatus. J. R. Heck. 2,579,571, Dec. 25.
Community automatic exchange network. P. Bakker. 2,579,721, Dec. 25.
Commutator motor brush holder. G. Giambonini. 2,579,565, Dec. 25.
Comparator for tracing contours of solid objects. H. L. Murch, L. B. Fuller, and R. O. Beardsley. 2,580,239, Dec. 25.
Composition for drilling muds. E. E. Post and W. N. Oldham. 2,579,453, Dec. 25.
Composition for making acoustic material. J. Deane. 2,580,076, Dec. 25.
Compound-feeding apparatus. S. M. Martin. 2,579,747, Dec. 25.
Compressible bulb operated liquid dispenser. H. A. Dieffenbach. 2,579,909, Dec. 25.
Compressor. C. L. Densham. 2,580,006, Dec. 25.

Compressor terminal seal. M. P. Schlosser. 2,579,973, Dec. 25.
Condenser: *See*—
Electric condenser.
Condiment holder supporting bracket. R. I. Andersen. 2,579,895, Dec. 25.
Condition controlling apparatus. J. M. Wilson. 2,579,716, Dec. 25.
Conductor workpiece, Mineral insulated. E. G. L. Roberts. 2,580,244, Dec. 25.
Connection for precast concrete girders and beams. A. Henderson. 2,580,174, Dec. 25.
Connector: *See*—
Detachable connector. Electrical connector.
Container: *See*—
Collapsible container. Moth repellent and deodorant container.
Dispensing and disposing tissue container. Nonrefillable container.
Dispensing container.
Container. E. G. Schaefer. 2,579,518, Dec. 25.
Container end structure. H. A. Scott and J. W. Spieker. 2,579,974, Dec. 25.
Container with folded top seam. S. Birkland. 2,579,465–6, Dec. 25.
Continuous drier. L. J. O'Shaughnessy. 2,579,607, Dec. 25.
Continuous electrical outlet. W. S. Perkins. 2,579,854, Dec. 25.
Continuous web or length of sheet material, Production of. W. J. Shrimpton. 2,580,200, Dec. 25.
Contour counter. J. T. Potter. 2,580,192, Dec. 25.
Contrast pattern generator. S. Doba, Jr., and J. W. Rieke. 2,580,083, Dec. 25.
Control and dial arrangement for multiband tuning units. B. N. Fisher. 2,579,659, Dec. 25.
Control apparatus. R. T. Whitney. 2,580,372, Dec. 25.
Control for automatic washing machines. H. E. Morrison. 2,579,598, Dec. 25.
Control means for heat exchange apparatus. J. E. Woods. 2,580,149, Dec. 25.
Control means for jet propulsion apparatus. M. R. Simmonds. 2,580,365, Dec. 25.
Control mechanism for the delivery stack of sheet working machines. H. Bobst. 2,579,541, Dec. 25.
Control system for directive device. J. A. Buckbee and A. E. Falk. 2,579,471, Dec. 25.
Controlling the flow of a fluid heat transfer medium. O. W. Greene. 2,579,567, Dec. 25.
Cover: *See*—
Radiant cover. Wheel cover.
Convertible folding reading stand. V. D. Hiemenz. 2,579,740, Dec. 25.
Conveyer. S. J. Gartner and A. E. Kulberg. 2,580,222, Dec. 25.
Conveyer, Strip. E. Fried. 2,580,086, Dec. 25.
Conveyer system, Long-range haulage. M. A. Kendall. 2,580,229, Dec. 25.
Conveyer wheel curve device. W. V. Vincent. 2,580,054, Dec. 25.
Cooler using dry ice refrigerant, Self-contained. J. S. Zuckerman. 2,580,210, Dec. 25.
Cork pistol. G. Martin. 2,580,356, Dec. 25.
Counter electrode of selenium rectifiers. T. E. Ebert. 2,579,557, Dec. 25.
Covered expansion joint. R. T. Lyons. 2,580,034, Dec. 25.
Cracking with acid-treated clay catalyst. J. H. Hickey. 2,579,576, Dec. 25.
Crosslinked sulfonated polystyrene. M. Baer. 2,580,271, Dec. 25.
Crystalline penicillin salts, Preparation of. M. Senkus. 2,580,364, Dec. 25.
Crystallization of lysozyme from egg white. G. Alderton and H. L. Fevold. 2,579,455, Dec. 25.
Cultivator, Crust breaking. F. R. Friend. 2,579,561, Dec. 25.
Curling iron and pressing comb heater. W. M. Patton. 2,580,377, Dec. 25.
Cushioned escapement support. F. W. Schremp. 2,579,763, Dec. 25.
Cushioning assembly unit for back rests. R. J. Freeman. 2,579,918, Dec. 25.
Cutting and scraping tool. G. F. Voight. 2,580,142, Dec. 25.
Cutting machine, Diamond. C. A. Hans. 2,579,666, Dec. 25.
Cutting plate for dry-shaving apparatus. P. F. M. Senders. 2,579,706, Dec. 25.
Cyanoethylation. B. W. Howk and C. M. Langkammerer. 2,579,580, Dec. 25.
DDT, Manufacture of. R. S. Voris. 2,580,335, Dec. 25.
Deflection system. S. I. Tourshou. 2,579,627, Dec. 25.
Defrosting apparatus for freezing molds. M. Klein. 2,579,931, Dec. 25.
Delinking printed waste paper. C. C. Driessen. 2,580,161, Dec. 25.
Deleading gasoline. E. B. Rifkin and D. H. Ewen. 2,580,243, Dec. 25.
$\Delta^{1,4}$-pregnadiene-17α-OL-3-ones. C. Djerassi, G. Rosenkranz, and J. Berlin. 2,579,479, Dec. 25.
Desk top, Adjustable. B. J. Oom, C. L. Tinklepaugh, and E. E. Westen. 2,579,606, Dec. 25.
Detachable connector. J. H. Hayes. 2,579,739, Dec. 25.
Detachable mount for telescopes. H. E. Schall. 2,580,246, Dec. 25.
Detachable receptacle for portable baby bathing outfits. D. E. Johnson. 2,579,674, Dec. 25.
Device and method for controlling movement of rods in rod mills. W. G. Busser and P. J. Muller. 2,579,790, Dec. 25.
Device for applying adhesive to a traveling surface. F. F. Ruau. 2,579,967, Dec. 25.
Device for automatically stopping motor vehicle engines after predetermined idling period. J. F. Dewhirst. 2,580,080, Dec. 25.
Device for drawing off spun fibres. J. Moravec. 2,579,846, Dec. 25.
Device for moving ice-cream cones into position for receiving ice cream and then delivering them to a customer. A. J. Tacchella. 2,580,257, Dec. 25.
Device for nailing heels from the interior of shoes. V. Chmelar. 2,580,216, Dec. 25.
Device for releasing stuck rock drill steels. J. Alger. 2,579,533, Dec. 25.
Dial pulse receiving circuit. F. E. Blount. 2,580,069, Dec. 25.
Diesel fuel. R. S. George. 2,580,015, Dec. 25.
Differential electronic amplifier. J. E. Williams. 2,579,528, Dec. 28.
Direct-current generator. D. B. Hoover. 2,579,579, Dec. 25.
Disappearing image in bottle. J. Kremer. 2,580,305, Dec. 25.
Dispenser: *See*—
Compressible bulb operated liquid dispenser. Tangleproof twin dispenser.
Grasshopper dispenser.
Dispenser for pressurized whipped cream. P. J. Nilsen. 2,580,188, Dec. 25.
Dispensing and disposing tissue container. A. W. Rosenman and R. F. Greiser. 2,579,758, Dec. 25.
Dispensing container. J. L. and G. Holt. 2,580,096, Dec. 25.
Dispensing device having solenoid operated plunger and valve. A. J. Tacchella. 2,580,256, Dec. 25.
Display apparatus. P. H. Egolf, Sr. 2,579,807, Dec. 25.
Display device, Advertising. A. Weinberg. 2,579,889, Dec. 25.
Distance gauge. K. E. Summers. 2,580,255, Dec. 25.
Distance measuring device and the like. H. E. L. Owen and H. T. Gurton. 2,579,956, Dec. 25.
Distance measuring system. L. Batchelder. 2,580,151, Dec. 25.
Divinyl sulfone tanned proteins. D. L. Schoene. 2,579,871, Dec. 25.
Divisible carton. A. B. Thomas. 2,580,333, Dec. 25.
Door: *See*—
Accordion folding door.
Door-actuated dual compartment mailbox. F. Stone. 2,579,877, Dec. 25.
Door operating mechanism. M. M. Matchett. 2,580,311, Dec. 25.
Door threshold. L. Stanko. 2,579,875, Dec. 25.
Double magnetic holding device. C. O. Jaeger. 2,580,099, Dec. 25.
Double sheet detector. N. H. Goldsworthy. 2,579,922, Dec. 25.
Dowel hole locator. W. M. Garrard. 2,579,564, Dec. 25.
Drafting instrument. O. D. Premo. 2,579,857, Dec. 25.
Drag hook. K. M. Rooker. 2,579,864, Dec. 25.
Drier: *See*—
Continuous drier.
Drill: *See*—
Hammer drill.
Drill bit. W. G. Green. 2,579,819, Dec. 25.
Drill bit. C. V. Tilden. 2,579,712, Dec. 25.
Drill device. T. P. Atkinson. 2,579,720, Dec. 25.
Drill press. R. H. Allen. 2,579,459, Dec. 25.
Drinking fountain attachment. E. P. Tyler. 2,579,769, Dec. 25.
Driving mechanism for walking seam conveyers. S. Marvin and W. H. Orth. 2,580,114, Dec. 25.
Drum type abrading device. W. H. Van Zomeren. 2,580,140, Dec. 25.
Dry cell and electrode therefor. S. Kurlandsky. 2,579,743, Dec. 25.
Dry seal pressure type gas holder. J. W. Allen. 2,579,776, Dec. 25.
Dry shaver. N. J. Trought. 2,580,138, Dec. 25.
Dumping mechanism. H. C. Smith and J. C. Petrea. 2,579,708, Dec. 25.
Duster, Dough piece controlled flour. H. C. Rhodes. 2,579,514, Dec. 25.
Dyestuffs of the anthraquinone series. A. Peter and J. Günthart. 2,580,190, Dec. 25.
Electric condenser. R. M. Barnard and W. J. Stray. 2,579,462, Dec. 25.
Electric gauge. H. J. Hauck and G. A. Highberg. 2,579,569, Dec. 25.
Electric-light service indicator. J. M. Cesár. 2,580,074, Dec. 25.
Electric switch. P. L. Warren and F. E. Schultz. 2,579,771, Dec. 25.
Electrical connector. O. J. Alvarez. 2,580,269, Dec. 25.
Electrical connector. W. S. Watts. 2,580,206, Dec. 25.

Electrical motor control apparatus. A. B. Chudyk. 2,579,648, Dec. 25.
Electrical outlet with insulating closures. B. B. Bierce. 2,579,338, Dec. 25.
Electrical strain measuring apparatus. M. P. Vore and M. J. Gelpi. 2,579,632, Dec. 25.
Electrodeposition of nickel. L. Weisberg. 2,579,636, Dec. 25.
Electrolytic process and apparatus for making copper dust. N. Corsini. 2,579,551, Dec. 25.
Electromagnetic transducer head assembly. D. E. Wiegand. 2,580,208, Dec. 25.
Electron-discharge device for microwave amplification. P. P. Derby. 2,579,654, Dec. 25.
Electronic code pulse transmitting circuit. W. H. T. Holden. 2,580,095, Dec. 25.
Electronic phase shifter. H. M. Kroft. 2,579,586, Dec. 25.
Electrostatic dust precipitator. I. R. Cummings. 2,579,552, Dec. 25.
Emergency fuel tank. F. Solicito. 2,579,979, Dec. 25.
Emulsion polymerization process. H. F. Park. 2,580,315, Dec. 25.
Enamel, Antifouling pipe line. A. Holmes. 2,580,025, Dec. 25.
Engine Control apparatus for starting, stopping, running, and reversing. R. R. Stevens. 2,580,369, Dec. 25.
Engine room telegraph. H. H. Curry. 2,579,476, Dec. 25.
Engine with speed and power control, Traction hot-gas. H. Rinia, H. de Brey, and F. L. van Weenen. 2,579,702, Dec. 25.
Equipment of trawling vessels. C. D. Burney. 2,579,787, Dec. 25.
Ethylene, Production of. E. W. Carrier. 2,580,002, Dec. 25.
Expansion closure plug. A. R. McWherter. 2,579,845, Dec. 25.
Extension leaf for tables and cabinets, Sliding. T. H. Lindelöf. 2,580,032, Dec. 25.
Extracting gold and silver. J. B. Zadra. 2,579,531, Dec. 25.
Extraction process. M. L. Sagenkahn. 2,579,867, Dec. 25.
Extrusion apparatus. J. A. Gialanella. 2,579,815, Dec. 25.
Fabric conveying apparatus. C. T. Gallinger. 2,579,563, Dec. 25.
Face powder box. R. A. Gordon. 2,579,490, Dec. 25.
Facsimile system for simultaneous transmission of plurality of elemental areas. R. C. Curtis. 2,579,475, Dec. 25.
Fastener: *See*—
Rotary fastener.
Fastener for securing sheet metal to imperforate frame members, Wire. S. J. Gianelloni, Jr. 2,579,489, Dec. 25.
Faucet filters. J. F. Auberschek. 2,580,066, Dec. 25.
Feeding and applying insulating disks to conductors, Method of and apparatus for. A. C. Frankwich. 2,579,487, Dec. 25.
Fiber dispersing machine and method. C. Uschmann. 2,579,770, Dec. 25.
Film, Leader. H. R. Hustad. 2,579,581, Dec. 25.
Film reel band. W. E. Murray. 2,579,600, Dec. 25.
Filter: *See*—
Light filter.
Filter assembly. J. W. Robinson. 2,579,863, Dec. 25.
Filter for fluids. R. D. Wiley. 2,580,209, Dec. 25.
Filtering glyceride oils. H. R. McClain. 2,579,946, Dec. 25.
Filters for removing dust from gas or air. W. L. Trowbridge. 2,579,984, Dec. 25.
Fingerprinting device, Photographic. J. E. Popma. 2,579,961, Dec. 25.
Finger ring guard. L. F. Pollard and S. Jacobson. 2,579,856, Dec. 25.
Fire extinguisher. G. W. Pfleghar. 2,579,513, Dec. 25.
Fireplace screen. A. R. Murat. 2,579,690, Dec. 25.
Fireplace tool. W. R. Draeger. 2,579,805, Dec. 25.
Fish lure. C. Wood. 2,579,991, Dec. 25.
Fishing lure. V. L. King. 2,580,104, Dec. 25.
Fishing reel holder. H. S. Rowdon. 2,580,130, Dec. 25.
Flame failure control system. E. C. Thomson. 2,579,883, Dec. 25.
Flame failure safeguard. E. C. Thomson and P. Giuffrida. 2,579,884, Dec. 25.
Flap mechanism. B. T. Anderson and W. A. Welch. 2,579,534, Dec. 25.
Flat pocket hand lamp. E. L. Schofield. 2,579,762, Dec. 25.
Float. P. A. Tolle. 2,579,713, Dec. 25.
Float gauge. J. F. Wilhelm. 2,580,057, Dec. 25.
Flue gas chilling. H. R. Davis and R. M. Santaniello. 2,580,375, Dec. 25.
Fluid compressor and cooling apparatus therefor. B. S. Aikman. 2,580,341, Dec. 25.
Fluid control valve. A. L. Trump. 2,579,982, Dec. 25.
Fluid pressure intensifier. N. C. Hunt. 2,580,353, Dec. 25.
Fluid pressure remote-control apparatus. R. R. Stevens and R. C. Brooks. 2,580,368, Dec. 25.
Fluid pressure remote control system. S. M. Parker. 2,580,122, Dec. 25.
Fluid pump. A. F. Habenicht. 2,579,568, Dec. 25.
Fluid type switch. V. W. Jones. 2,580,302, Dec. 25.
Flush valve mechanism. H. F. Smith. 2,579,766, Dec. 25.
Foldable awning frame. S. B. Atwood. 2,579,780, Dec. 25.
Foldable golf bag carrier. K. M. Larsen. 2,579,937, Dec. 25.
Foldable portable chiropractor's table. A. F. Branto. 2,579,783, Dec. 25.
Folding cartons. R. B. Meller. 2,580,180, Dec. 25.
Folding table. P. H. Randolph. 2,580,126, Dec. 25.
Folding top structure. J. W. Votypka. 2,580,337, Dec. 25.
Foot stool, Vertically adjustable. G. E. Hill. 2,579,577, Dec. 25.
Footwear with sponge rubber sole and rubber upper-attaching strip. H. W. Rollman and A. Szerenyi. 2,580,245, Dec. 25.
Form separator. C. Lather. 2,579,835, Dec. 25.
Forming artificial breasts. M. A. Wright and D. E. Gates. 2,580,264, Dec. 25.
Forming ground meat patties. F. S. Elsaesser. 2,580,008, Dec. 25.
Forming spherical containers. R. J. Branson. 2,579,646, Dec. 25.
Forming threaded die castings. L. H. Morin. 2,579,952, Dec. 25.
Forming uranium carbide. R. W. Fisher. 2,580,349, Dec. 25.
Foundation front for garments. H. J. Yaghubian. 2,579,894, Dec. 25.
Four-wire to two-wire connecting circuit. E. P. G. Wright, M. van Hasselt, and D. A. Weir. 2,579,530, Dec. 25.
Fractionation of cottonseed. H. L. E. Vix, J. J. Spadaro, E. F. Pollard, E. A. Gastrock, R. M. Persell, and C. H. Murphy, Jr. 2,579,526, Dec. 25.
Frame: *See*—
Foldable awning frame. Yarn winding frame.
Frequency converter and oscillator circuit. A. J. Torre and L. R. Kirkwood. 2,580,051, Dec. 25.
Frequency-modulation demodulator system. J. A. Worcester, Jr. 2,580,261, Dec. 25.
Frequency modulator. B. E. Lenehan. 2,579,590, Dec. 25.
Frozen confection apparatus. D. L. Perlman. 2,579,696, Dec. 25.
Fuel burner with oil precirculation, Liquid. J. R. Joyce. 2,579,829, Dec. 25.
Fuel injection carburetor. C. Griffon. 2,580,294, Dec. 25.
Fuel oil, Nonclogging distillate. C. Wies, J. B. R. Caron, and E. B. Glendenning. 2,579,890, Dec. 25.
Fungicidal emulsion comprising a copper salt of an alkylated phenoxy acetic acid. A. J. Shmidl. 2,580,048, Dec. 25.
Furnace: *See*—
Molten bath furnace. Pouring arc furnace.
Furniture, Store wall. A. Vanderveld. 2,580,334, Dec. 25.
Gaff. C. B. Fisher. 2,579,812, Dec. 25.
Garment. E. Cadous. 2,579,547, Dec. 25.
Garment clasp. J. M. Pari. 2,579,694, Dec. 25.
Garment for children, Adjustable. M. Hoffman. 2,580,024, Dec. 25.
Garment hanger. C. J. Raiche. 2,580,044, Dec. 25.
Garment hanger. F. H. Richterkessing. 2,580,193, Dec. 25.
Garment, Maternity. E. M. Brachfield. 2,579,645, Dec. 25.
Garment, Strapless. E. Cadous. 2,579,546, Dec. 25.
Garment with expandable opening. W. L. Nehrenz. 2,580,314, Dec. 25.
Gasket winding machine. W. R. Price. 2,579,858, Dec. 25.
Gasoline fuel containing dimethyl carbinol and solvent oil. J. E. Neudeck. 2,579,692, Dec. 25.
Gate: *See*—
Wire fence gate.
Gauge: *See*—
Distance gauge. High-pressure liquid level gauge.
Electric gauge.
Float gauge.
Gauge. J. C. Hoover. 2,580,227, Dec. 25.
Gauge for measuring width and lead in screw threads. A. C. Kinch. 2,579,832, Dec. 25.
Gauging device. W. F. Aller and D. H. McConnell. 2,580,342, Dec. 25.
Gear: *See*—
Hydraulic change-speed gear.
Gelatin, Preparation of. R. H. Sifferd and L. P. Anderson. 2,580,049, Dec. 25.
Generating high electrical potential. R. Hart. 2,580,021, Dec. 25.
Generator: *See*—
Contrast pattern generator. Microwave generator.
Direct-current generator. Rectangular and saw-tooth impulse generator.
Magnetron generator. Steam generator.
Generator for hydrocarbon burners. R. Martiri. 2,580,113, Dec. 25.
Glass blowing apparatus. A. F. Tremblay. 2,579,628, Dec. 25.
Glass composition. J. J. Smith, J. E. Duncan, and H. A. Truby. 2,579,709, Dec. 25.
Gluing machine, Fiber case. E. J. Derderian. 2,579,802, Dec. 25.
Graff. G. W. Muhm. 2,580,361, Dec. 25.

Grasshopper dispenser. W. E. Cave. 2,579,549, Dec. 25.
Grinder, Centerless. J. W. Smith. 2,579,520, Dec. 25.
Grinding attachment, Planer blade. C. R. Leighton. 2,579,680, Dec. 25.
Gripper release mechanism for sheet handling machines. H. Bobst. 2,579,540, Dec. 25.
Ground testing device. J. D. Wood. 2,579,992, Dec. 25.
Gun, Fluid discharge. W. W. Taylor. 2,579,625, Dec. 25.
Gyratory crusher with vertically adjustable head. A. J. Roubal. 2,579,516, Dec. 25.
Gyroscope and pendulum control system for airplanes. F. F. Hauptman. 2,579,570, Dec. 25.
Hair clipper and the like, Electrically driven. S. A. Horstmann. 2,579,924, Dec. 25.
Haircutting attachment. H. W. Borgerding. 2,580,276, Dec. 25.
Haircutting device. D. E. Kellogg and A. T. Scheiwer. 2,579,676, Dec. 25.
Halohydroxy ethers. J. R. Roach and H. Wittcoff. 2,579,515, Dec. 25.
Hammer drill. E. Topanelian, Jr. 2,580,203, Dec. 25.
Hand gun cylinder control and trigger mechanism. J. H. Gartner. 2,579,736, Dec. 25.
Hand-harvesting tool. J. R. Kachelhoffer. 2,579,584, Dec. 25.
Hand warmer. J. W. Smith. 2,579,620, Dec. 25.
Handle: *See*—
Shovel handle.
Hanger: *See*—
Garment hanger.
Hanger. R. R. Lamm. 2,580,231, Dec. 25.
Hat bat shrinking machine. H. A. and W. H. Genest. 2,579,814, Dec. 25.
Hat, Ventilated. A. M. Russell. 2,580,323, Dec. 25.
Header bar construction for folding tops. J. W. Votypka. 2,580,336, Dec. 25.
Heat-resistant ferritic alloy. E. H. M. Hägglund and N. G. Rehnqvist. 2,580,171, Dec. 25.
Heater: *See*—
Curling iron and pressing comb heater.
Heater. J. H. Loweth and J. E. Scharff. 2,580,033, Dec. 25.
Heater for house trailers, Combustion type air. D. B. Hohnstein. 2,579,821, Dec. 25.
Heating pad control system. A. A. Johnson. 2,579,926, Dec. 25.
Heating system. M. Mannist. 2,580,111, Dec. 25.
Hedge cutting machine. R. Richardson. 2,579,862, Dec. 25.
Heeling machines. J. T. Lancaster. 2,579,936, Dec. 25.
Hermetically sealed package for mixing and discharging paint. E. H. Seymour. 2,580,132, Dec. 25.
Heterocyclic compounds. C. Djerassi and C. R. Scholz. 2,579,478, Dec. 25.
High-frequency bridge circuit. R. B. Muchmore. 2,579,751, Dec. 25.
High-pressure liquid level gauge. H. D. Yoder. 2,579,719, Dec. 25.
High-speed cover feed. J. Simpson. 2,579,976, Dec. 25.
High viscosity dispersions of rubbery materials. R. E. Munsell. 2,580,040, Dec. 25.
Hinge, Casement window. J. Brownlie, R. Gerstenzang, and A. C. Blamey. 2,579,785, Dec. 25.
Hinge, Plastic snap. R. P. Magnenat. 2,580,310, Dec. 25.
Hinged joint and swivel beam for tractor-mounted implements. W. C. Daniel. 2,579,553, Dec. 25.
Hitch for earth compacting unit. R. G. Le Tourneau. 2,579,839, Dec. 25.
Holder: *See*—
Commutator motor brush holder. Infant's bottle holder.
Dry seal pressure type gas holder. Insert holder.
Fishing reel holder. Portable book-record holder.
Holder for arc lamps, Electrode. E. R. Suttle. 2,580,137, Dec. 25.
Holster harness. E. Booth. 2,579,782, Dec. 25.
Hood bonding clip. C. A. Rees. 2,580,321, Dec. 25.
Hook: *See*—
Drag hook.
Hopper feed. A. C. Frankwich. 2,579,486, Dec. 25.
Husking roller. R. H. Cook. 2,579,906, Dec. 25.
Hydrant, Nonfreezing. J. H. Schmid. 2,580,197, Dec. 25.
Hydrant, Nonfreezing. J. H. Schmid. 2,580,199, Dec. 25.
Hydraulic change-speed gear. L. Genéty. 2,579,920, Dec. 25.
Hydraulic log barking apparatus. W. H. Rambo and H. A. De Rice. 2,579,613, Dec. 25.
Hydraulic power unit for domestic ironing machines. J. C. Worst. 2,580,262, Dec. 25.
Hydraulic pressure transformer. E. G. Hjärpe. 2,579,670, Dec. 25.
Hydraulic steering mechanism for airplanes. R. L. Levy. 2,579,840, Dec. 25.
Hydraulic tapping device. C. E. Adams. 2,580,061, Dec. 25.
Hydroelectric treatment plant with air supply. F. Landauer. 2,580,232, Dec. 25.
Illuminated figure with reflector. J. Burnbaum. 2,579,725, Dec. 25.
Imido esters from azolines and maleic adducts of fatty acid esters, Preparation of. S. P. Rowland. 2,580,047, Dec. 25.
Impact testing machine. G. Lubin and R. R. Winans. 2,579,503, Dec. 25.
Implement raising and locking device. G. W. Johansen and W. E. Copley. 2,580,100, Dec. 25.
Improved calcium halo-phosphate phosphor. K. H. Butler. 2,579,900, Dec. 25.
Improved polyvinyl acetate emulsion capable of depositing water-resistant films and bonds. W. G. Kunze and R. B. Evans. 2,580,230, Dec. 25.
Improving flow properties of asphalt. C. Mack. 2,580,035, Dec. 25.
Indicator: *See*—
Audible piston position indicator. Liquid level indicator.
Electric-light service indicator. Projecting speed indicator.
Indicator. D. C. Rockola. 2,580,046, Dec. 25.
Indicator device, Neutron density. W. H. Zinn. 2,579,994, Dec. 25.
Indicator for cylindrical members, Combination level and angle. C. S. Wright. 2,579,893, Dec. 25.
Indicator lamp assembly for multicircuit electric appliances. D. W. Scofield. 2,579,618, Dec. 25.
Induction motor. H. C. Roters. 2,579,865, Dec. 25.
Infant's bottle holder. P. G. and E. D. Ridey. 2,579,701, Dec. 25.
Inks, Black printing. A. Voet. 2,580,205, Dec. 25.
Insert holder. J. Sunnen. 2,580,329, Dec. 25.
Insole with arch support, Laminated. S. Loewi. 2,579,592, Dec. 25.
Instrument for correlating air speed, angle of attack, and aircraft loading. V. E. Carbonara and J. H. Andresen, Jr. 2,579,902, Dec. 25.
Interference suppression in radio signaling systems. L. E. Thompson. 2,579,882, Dec. 25.
Ion trap magnet. I. E. Lempert. 2,580,355, Dec. 25.
Iron catalyst for hydrocarbon synthesis, Production of an. R. G. Morbeck. 2,580,039, Dec. 25.
Iron with boron and bismuth, Malleable. H. A. Eckman and H. W. Maack. 2,579,452, Dec. 25.
Jack head for flat knitting machines. A. J. Cobert. 2,579,649, Dec. 25.
Jet pipe for jet-propelled aircraft. F. Whittle. 2,580,207, Dec. 25.
Joint: *See*—
Covered expansion joint.
Nonextruding expansion joint.
Journal box guard. C. Vincent. 2,580,370, Dec. 25.
Key support. R. C. Legat. 2,579,838, Dec. 25.
Knitting machine. H. C. Grant. 2,580,089, Dec. 25.
Knurling tool. J. E. Poorman. 2,579,611, Dec. 25.
Ladder for railway car. O. M. Stevens. 2,580,326, Dec. 25.
Laminated product and laminating. F. L. Minnear. 2,579,949, Dec. 25.
Lamp: *See*—
Flat pocket hand lamp. Radio energized lamp.
Lamp guard provided with a pivoted door, Portable electric. H. E. Moineau. 2,580,359, Dec. 25.
Landing net, Folding. F. A. Matthews. 2,579,748, Dec. 25.
Lanolin alcohols from wool grease. P. Vaterrodt and R. E. Choyce. 2,579,986, Dec. 25.
Latch: *See*—
Safety latch.
Latch. F. McConnell. 2,580,237, Dec. 25.
Latch bolt holdback. W. R. Schlage. 2,580,196, Dec. 25.
Lathe control. E. P. Bullard, III, and C. M. Grinage. 2,579,998, Dec. 25.
Lawn roller. L. E. Donnelly and C. A. Wheeler. 2,580,084, Dec. 25.
Lay for narrow ware looms. E. R. Holmes and P. L. Safford. 2,580,175, Dec. 25.
Leakage prevention for injection molding nozzles. W. H. Fellows and C. W. Burnham. 2,579,809, Dec. 25.
Leakage testing apparatus. E. M. Hunt. 2,579,495, Dec. 25.
Leather softening adhesive. T. Gelinas. 2,580,167, Dec. 25.
Lever lock. H. A. Scott and J. W. Spieker. 2,579,975, Dec. 25.
License plate reinforcement sign. K. Berlekamp. 2,579,537, Dec. 25.
Light filter. W. R. Brode and R. J. Morris. 2,579,543, Dec. 25.
Light measuring meter. G. E. Freund. 2,579,661, Dec. 25.
Line-contact semiconductor device. H. Johnson. 2,580,027, Dec. 25.
Lipstick container closure and lipstick applicator. P. L. Twisdale. 2,580,139, Dec. 25.
Liquid dropper, Measured volume. I. J. Wolman. 2,579,718, Dec. 25.
Liquid level indicator. M. D. Wood. 2,579,717, Dec. 25.
Liquid-liquid extraction, Process and apparatus for. M. R. Fenske and B. R. Tegge. 2,580,010, Dec. 25.

Liquid surface sensing device. H. A. Quist. 2,580,320, Dec. 25.
Load measuring device. G. B. R. Feilden. 2,580,162, Dec. 25.
Loading dry granular mixtures. F. Weyerhaeuser. 2,579,527, Dec. 25.
Lock: *See*—
Lever lock.
Locking device for platform rockers. M. Fox. 2,580,165, Dec. 25.
Log turner and deck block for sawmills. J. D. Calhoun. 2,579,901, Dec. 25.
Loss-preventing device for purses. E. C. Henderson. 2,580,296, Dec. 25.
Lost motion torque transmitting means. E. N. Jacobi. 2,580,026, Dec. 25.
Lubricant. R. F. Bergstrom and J. M. Plantfebar. 2,580,274, Dec. 25.
Lubricating compositions, Extreme pressure. E. B. Cyphers and G. M. McNulty. 2,580,005, Dec. 25.
Machine for applying banding sleeves to containers. H. G. Allen, W. O. Sims, and E. A. Ebert. 2,579,458, Dec. 25.
Machine for folding limp, flat articles. C. S. Malott, Jr. 2,579,746, Dec. 25.
Machine for making bowl covers. J. L. Clark and M. E. Horton. 2,580,075, Dec. 25.
Machine for stripping sheet metal. J. B. Picton. 2,579,700, Dec. 25.
Magnesia refractory and making. L. W. Austin and J. C. Hicks. 2,579,781, Dec. 25.
Magnetic device. S. G. Best. 2,579,723, Dec. 25.
Magnetic welt holddown. M. F. Ashley. 2,579,896, Dec. 25.
Magnetron generator. F. Lüdi. 2,579,593, Dec. 25.
Making an abrasive coated wheel. O. J. Carpenter. 2,579,727, Dec. 25.
Making an image storage screen. M. P. Wilder. 2,579,772, Dec. 25.
Making artificial dentures. F. Pita and J. Prokes. 2,579,960, Dec. 25.
Making fabric sacks, especially for surgical sponges or the like. C. W. Mott. 2,580,183, Dec. 25.
Making pebble-shaped magnesia refractory. A. W. Vettel. 2,579,886, Dec. 25.
Manual and automatic control apparatus for combustion engines. A. E. Baak. 2,579,643, Dec. 25.
Manufacturing wet process cement. O. G. Lellep. 2,580,235, Dec. 25.
Margin stop position indicator for typewriters. O. Aebi. 2,580,211, Dec. 25.
Material handling apparatus. W. J. Fruechtel. 2,579,562, Dec. 25.
Measuring instrument, Pile driving. A. B. Hunicke. 2,580,299, Dec. 25.
Mechanical bubble blowing device. R. L. Treuthart. 2,579,714, Dec. 25.
Mechanical movement. C. O. Bachman. 2,579,642, Dec. 25.
Mechanism for applying labels. G. W. von Hofe and H. A. Nefzger. 2,579,631, Dec. 25.
Mechanism for stretching artificial filaments. N. Driach and R. Fays. 2,579,555, Dec. 25.
Medullary pin. L. V. Rush. 2,579,968, Dec. 25.
Metal cleaning and pickling machine and conveyer system therefor. W. Herdlein. 2,579,575, Dec. 25.
Metatarsel cushion. A. Higgs. 2,580,094, Dec. 25.
Meter: *See*—
Light measuring meter. Thrust meter.
Metered bottle closure. I. M. Geary and B. J. Schwartz. 2,580,292, Dec. 25.
Microwave generator. H. J. von Baeyer. 2,579,630, Dec. 25.
Milling machine feed drive transmission. R. K. Le Blond and H. C. Kemper. 2,580,307, Dec. 25.
Mineral oil containing copolymers of alpha-beta unsaturated dicarboxy esters with alpha-beta unsaturated monocarboxy acids. T. S. Tutwiler, J. C. Munday, and D. T. Rogers. 2,580,053, Dec. 25.
Mineral oil containing resinified esters of salicylic acid. L. T. Mikeska. 2,580,038, Dec. 25.
Mirror and direction indicating device, Combined rearview. A. Gazda. 2,580,014, Dec. 25.
Mirror, Illuminated. M. Tarasuk. 2,580,258, Dec. 25.
Modulator for carrier telegraph systems. V. J. Terry and T. F. S. Hargreaves. 2,579,524, Dec. 25.
Mold for forming a precut ice cream cake. F. Adams. 2,579,640, Dec. 25.
Mold for heating curing thermosetting resins. M. Brucker. 2,579,898, Dec. 25.
Molding composition and articles produced therefrom. R. Lindenfelser and C. L. Michaud. 2,579,939, Dec. 25.
Molten bath furnace. G. G. Warren. 2,579,634, Dec. 25.
Mortising plane. W. A. Dohmeyer. 2,579,911, Dec. 25.
Moth repellent and deodorant container. N. E. Wilson and A. L. Saeks. 2,579,715, Dec. 25.
Motion-picture film developer feeding device. H. W. Houston. 2,579,741, Dec. 25.
Motor: *See*—
Induction motor.
Motor control. D. C. Reek. 2,580,242, Dec. 25.
Motor handling device. E. W. Goebel and G. F. Kurz. 2,580,018, Dec. 25.
Motor mounting. W. J. Morrill. 2,580,313, Dec. 25.
Motor operated chuck. A. E. Church. 2,579,796, Dec. 25.
Motor plant for cargo boats and like sea boats. B. Kervarrec. 2,579,929, Dec. 25.
Motor testing unit. F. R. Dotson. 2,579,804, Dec. 25.
Motor vehicle cleaning apparatus having rotary brushes mounted on pivoted carriers. L. J. Rousseau. 2,579,866, Dec. 25.
Mounting: *See*—
Antenna mounting. Motor mounting.
Mounting device for telephones and the like. F. L. Stone. 2,579,878, Dec. 25.
Movable strip indicator board. F. L. Wassell. 2,580,143, Dec. 25.
Moving catalyst conversion system. R. Kollgaard. 2,579,834, Dec. 25.
Mower mounting. A. Abgarian. 2,580,267, Dec. 25.
Mower structure. A. Abgarian. 2,580,265–6, Dec. 25.
Multiple recorder. R. W. Olson. 2,579,852, Dec. 25.
Multiple replaceable unit fuse. W. T. Stanley. 2,579,623, Dec. 25.
Multiple throttle control. D. P. Petersen. 2,579,959, Dec. 25.
Musical instrument, Electronic. D. P. L. J. E. Colombani. 2,580,217, Dec. 25.
N-(phenoxyisopropyl)-N-thenyl-beta haloethylamines. J. F. Kerwin and G. E. Ullyot. 2,579,500, Dec. 25.
N-(2-thenoylmethyl) hexamethylenetetraminium halides. E. C. Hermann. 2,579,494, Dec. 25.
Nailing machine. E. P. Anstett. 2,580,065, Dec. 25.
Nonrefillable container. N. Archidiacano. 2,579,460, Dec. 25.
Nonextruding expansion joint. A. C. Fischer. 2,580,163, Dec. 25.
Nut-tapping machine. R. Nichols and W. Brown. 2,580,187, Dec. 25.
Olefin hydration process. C. R. Nelson, M. A. D. Taylor, D. D. Davison, and L. M. Peters. 2,579,601, Dec. 25.
Opener, Container. J. B. Donnelly. 2,579,912, Dec. 25.
Opener, Envelope. P. Leinweber. 2,579,744, Dec. 25.
Opener, Gate. E. S. Berglund. 2,579,463, Dec. 25.
Operating mechanism. H. J. Crabbs. 2,579,798, Dec. 25.
Opposed cylinder air compressor. O. Joho. 2,579,927, Dec. 25.
Opposed stone mandrel. J. C. Sunnen. 2,580,328, Dec. 25.
Orthodontic apparatus. P. N. Paus. 2,580,042, Dec. 25.
Oscillator construction. E. M. Ostlund. 2,579,511, Dec. 25.
Outdoor projection screen. C. S. Wright. 2,579,892, Dec. 25.
Oxidation of conjunct polymer hydrocarbons and compositions derived therefrom. M. J. Murray. 2,580,184, Dec. 25.
Package. T. B. Stue. 2,579,880, Dec. 25.
Packaging sheet material. R. C. Zimmerman. 2,580,060, Dec. 25.
Paint remover, Electric. L. M. Carpenter. 2,579,726, Dec. 25.
Paint stirrer and blender. A. S. Shaw. 2,579,874, Dec. 25.
Pallet stacking device. T. C. Loose. 2,579,685, Dec. 25.
Paper container lining machine. R. S. Condon. 2,579,907, Dec. 25.
Parallel motion roll crusher. O. R. Strawn. 2,579,767, Dec. 25.
Partial product machine. M. W. Grigsby and T. O. Mehan. 2,580,295, Dec. 25.
Paste applier with magazine, Dehorning. B. L. Golden and T. J. Sullivan. 2,580,169, Dec. 25.
Pavement lane marker. A. E. Brickman. 2,579,467, Dec. 25.
Periscopic sextant. V. E. Carbonara. 2,579,903, Dec. 25.
Pessary, Diaphragm type. H. A. Sheen. 2,580,133, Dec. 25.
Phenolic resin composition and products produced therefrom. W. C. Weltman and C. J. Straka. 2,579,637, Dec. 25.
Phonograph. K. L. Bunyard. 2,580,071, Dec. 25.
Photographic product containing a rupturable container. E. H. Land. 2,579,587, Dec. 25.
Photographic slide viewer. C. F. Flynn. 2,580,164, Dec. 25.
Picking shoe for looms. C. P. Bergstrom and A. Palmer. 2,580,152, Dec. 25.
Pickling tubes, Method of and apparatus for. C. G. Watson. 2,580,371, Dec. 25.
Pie crust trimming and scalloping device. M. di Domenico. 2,580,081, Dec. 25.
Pile of T-rails and building. D. W. Grazier. 2,580,224, Dec. 25.
Pillow block. G. L. Meyers. 2,580,119, Dec. 25.
Pilot seat ejector for aircraft. M. J. O. Lobelle. 2,579,683, Dec. 25.
Pilot unit for relief valves. W. E. Renick. 2,580,128, Dec. 25.
Pin: *See*—
Medullary pin. Safety pin.
Pin for a salvo game, Perforated board and push. R. K. Achen. 2,579,454, Dec. 25.
Pine wood resin of increased melting point. R. W. Ivett. 2,580,098, Dec. 25.
Pinking shears and manufacturing same. O. E. Sorensen. 2,579,521, Dec. 25.
Pipe-cutting machine, Automatic. A. Briglia. 2,580,279, Dec. 25.

Pipe for jet engines, Flexible tail. A. T. Scott. 2,579,619, Dec. 25.
Pipe mold, Concrete. J. M. Crom and C. Dobell. 2,579,801, Dec. 25.
Pipe wrench of the type that embodies opposed jaw-equipped arms with an adjusting screw therebetween. B. L. Lurie. 2,579,594, Dec. 25.
Piston ring. H. P. Phillips. 2,579,698, Dec. 25.
Piston ring. H. P. Phillips. 2,580,124, Dec. 25.
Piston ring assembly and element. H. P. Phillips. 2,579,697, Dec. 25.
Piston ring assembly and groove filler element for use with piston rings. H. P. Phillips. 2,579,699, Dec. 25.
Planter, Tractor mounted. G. L. Walburn. 2,579,988, Dec. 25.
Platen knob with telescoping clutch knob. W. A. Dobson. 2,580,285, Dec. 25.
Plotting system. R. J. Newman. 2,580,240, Dec. 25.
Plug: *See*—
Expansion closure plug.
Replaceable multiple unit fuse plug.
Plug for pressure cookers, Safety. M. J. Zimmer and E. L. Duskey. 2,580,340, Dec. 25.
Plug valve actuator. C. W. Anderson. 2,580,212, Dec. 25.
Pneumatic stripper. W. J. Lobrovich. 2,579,940, Dec. 25.
Pneumatic thread remover. G. N. Peterson. 2,580,191, Dec. 25.
Pointer for fusible crayons, candles, and the like. W. N. Herbert and H. E. Hamblet. 2,580,092, Dec. 25.
Polyalkyl benzophenone mixture. H. L. Johnson and A. P. Stuart. 2,580,300, Dec. 25.
Polymerization of vinyl chloride in aqueous suspension to produce granular polymers. T. Boyd and F. J. Lucht. 2,580,277, Dec. 25.
Polymerizing large bodies of resins. H. F. Minter and M. M. Leven. 2,579,598, Dec. 25.
Polyvinyl alcohol gels. D. E. Sargent. 2,580,362, Dec. 25.
Polyvinyl chloride plasticized with an ester and a petroleum extract. E. W. M. Fawcett and A. Millien. 2,580,290, Dec. 25.
Polyvinyl chloride resin plasticized with a mixture of polyalkylated benzophenones. H. L. Johnson and A. P. Stuart. 2,580,301, Dec. 25.
Portable book-record holder. L. J. Vidal. 2,580,141, Dec. 25.
Pouring arc furnace. J. A. Upper. 2,579,885, Dec. 25.
Power-operated loader adjusting mechanism. S. L. Randolph. 2,579,963, Dec. 25.
Power-operated portable tool. W. H. Dean. 2,580,158, Dec. 25.
Power operated tabulating mechanism for typewriting machines. H. L. Pitman. 2,580,318, Dec. 25.
Preparing perhaloacetyl peroxide. C. Zimmerman. 2,580,373, Dec. 25.
Preparing substituted hydroxy-methylphosphonic esters. E. K. Fields. 2,579,810, Dec. 25.
Press: *See*—
Drill press.
Press mechanism. W. C. Denison, Jr. 2,580,078, Dec. 25.
Press with servo control, Hydraulic. C. E. Adams, V. V. Biasutta, and H. V. Mog. 2,580,062, Dec. 25.
Presser foot control for sewing machines. M. Muc. 2,580,238, Dec. 25.
Pressure regulating apparatus. L. Lee, II. 2,580,030, Dec. 25.
Pressure relief valve means. W. E. Renick. 2,580,127, Dec. 25.
Primary ignition system. E. J. Kangas. 2,579,928, Dec. 25.
Printing inks. E. D. Lee, R. J. Schefbauer, Jr., and O. P. Berberich. 2,579,836, Dec. 25.
Printing machine, Stencil. A. C. Barlow and W. V. Paul. 2,579,461, Dec. 25.
Procedure for making slip-lasted shoes with full-length sock lining and preformed counter. J. Meltzer. 2,580,037, Dec. 25.
Producing an ethyl cellulose hot-melt composition. G. H. Pyle and J. S. Tinsley. 2,579,755, Dec. 25.
Producing clad plate. O. R. Carpenter. 2,580,374, Dec. 25.
Producing lactams or their hydrolytic products. A. Novotny. 2,579,851, Dec. 25.
Producing oxygen. F. J. Jenny. 2,579,498, Dec. 25.
Producing thiophanes. J. D. Surmatis. 2,579,682, Dec. 25.
Product-type relay. W. K. Sonneman. 2,579,622, Dec. 25.
Production and purification of oxygenated hydrocarbon compounds. C. R. Murphy. 2,579,847, Dec. 25.
Projecting speed indicator. H. Dvorkin. 2,579,806, Dec. 25.
Protective hood. T. T. MacLean. 2,579,942, Dec. 25.
Proximity detector employing microwaves. P. M. Brannen. 2,580,155, Dec. 25.
Pulldown cabinet. L. A. Stebbins. 2,579,876, Dec. 25.
Pulse transformer circuit. W. H. Bostick. 2,579,542, Dec. 25.
Pump: *See*—
Centrifugal pump. Self-adjusting pump.
Fluid pump.
Pump. J. B. Brennan. 2,580,278, Dec. 25.
Pump and motor door operating mechanism, Hydraulic. H. D. Kaufman. 2,579,742, Dec. 25.
Pump water closet, Simplified nonplugging. K. G. Shook. 2,580,134, Dec. 25.
Pumping apparatus. D. H. Teetor. 2,580,331–2, Dec. 25.
Punch construction. J. A. Smith. 2,580,366, Dec. 25.
Punching and forming mechanism. G. H. Norquist. 2,579,753, Dec. 25.
Purger. J. C. Pekar and J. P. Hird. 2,580,317, Dec. 25.
Purifying 4-aminosalicylic acid. K.-G. Rosdahl. 2,580,195, Dec. 25.
Racing game apparatus. C. L. Deible. 2,580,077, Dec. 25.
Rack: *See*—
Vehicle side rack.
Rack for elongated articles, Holding. J. Shepard. 2,579,519, Dec. 25.
Radiant cover. J. L. Reynolds. 2,579,964, Dec. 25.
Radio energized lamp. N. B. Wales, Jr. 2,579,989, Dec. 25.
Radio pulse system. E. J. Isbister. 2,579,497, Dec. 25.
Range solution apparatus. E. J. Nagy and E. B. Hammond, Jr. 2,579,510, Dec. 25.
Ratio computing and indicating device for totalizators. J. Handley. 2,580,090, Dec. 25.
Recorder, Standing wave. R. J. Bergemann, Jr. 2,579,464, Dec. 25.
Rectangular and saw-tooth impulse generator. A. A. Varela. 2,579,525, Dec. 25.
Reel: *See*—
Thread-advancing reel.
Refractory metal alloy casting and making same. F. P. Bens, J. L. Ham, and R. M. Parke. 2,580,273, Dec. 25.
Refrigerating apparatus and method. L. E. Perrine. 2,579,512, Dec. 25.
Refrigeration system, Secondary. L. S. Cooper. 2,580,220, Dec. 25.
Refrigerator, Controlled humidity. L. S. Cooper. 2,580,219, Dec. 25.
Regulator: *See*—
Voltage regulator.
Reinforced fibrous porous cushioning material. A. Talalay and A. P. Barton. 2,580,202, Dec. 25.
Relay. K. W. Pfleger. 2,580,123, Dec. 25.
Relay system. G. S. Ley, C. J. Miller, and A. A. Nims, Jr. 2,579,591, Dec. 25.
Relay translating circuit. T. L. Dimond. 2,580,082, Dec. 25.
Removable cap with depending chamber which encloses a reciprocating valve element. D. L. Burrows. 2,579,899, Dec. 25.
Removal of iron from regenerated cracking catalyst fines. H. G. Corneil. 2,580,004, Dec. 25.
Removing sulfur compounds and carbon monoxide from hydrogen. J. S. Beekley and W. E. Vail. 2,580,068, Dec. 25.
Replaceable multiple unit fuse plug. W. T. Stanley. 2,579,624, Dec. 25.
Replenishing narrow-ware loom. R. A. Griefen and F. C. Mostertz. 2,579,491, Dec. 25.
Resinifying hydroxyl formyl acetophenones, acetoxy benzaldehydes, and methoxy derivatives thereof. A. Russell. 2,579,759, Dec. 25.
Revertive calling party line system. A. Brown. 2,579,469, Dec. 25.
Ring: *See*—
Piston ring.
Rivet setting machine with fast snap-action rivet release mechanism. T. J. Doyle. 2,580,160, Dec. 25.
Roaster, Welner. G. W. Johnson. 2,579,827, Dec. 25.
Rod: *See*—
Coil spring retaining rod. Stadia rod.
Rodent trap. R. R. Ross. 2,579,966, Dec. 25.
Roller screen and housing therefor, Extensible. P. K. Nimkoff. 2,579,850, Dec. 25.
Rotary cutterhead with radically extended blade support. W. A. Sabo. 2,579,615, Dec. 25.
Rotary fastener. O. J. Poupitch. 2,580,319, Dec. 25.
Rotary hydraulic torque converter. R. T. Burnett. 2,580,072, Dec. 25.
Rotary tool carrying tractor attachment device. M. Mabry. 2,580,110, Dec. 25.
Rotating pointer chance device. H. J. Harrison. 2,580,225, Dec. 25.
Rotor blade construction. A. Schnitt. 2,580,363, Dec. 25.
Route circuit network control apparatus for railway signals. E. M. Allen. 2,580,150, Dec. 25.
Rust inhibiting composition. A. H. Matuszak and J. W. Hand, Jr. 2,580,036, Dec. 25.
Safety device for presses. F. E. McLane. 2,579,595, Dec. 23.
Safety latch. W. A. Smith. 2,579,621, Dec. 25.
Safety pin. C. Garber. 2,580,087, Dec. 25.
Safety razor. O. Willhelm. 2,580,058, Dec. 25.
Saw blade. V. Cesaroni. 2,579,728, Dec. 25.
Scale. V. E. Gleasman. 2,579,664, Dec. 25.

Screen: *See*—
Fireplace screen. Outdoor projection screen.
Sealing device for the doors of coke ovens. J. C. Fournanoit. 2,579,917, Dec. 25.
Seam ripping attachment for sewing machines. L. K. Williams. 2,580,146, Dec. 25.
Seat: *See*—
Slidable and adjustable seat.
Secondary aromatic amines, Production of. T. J. Deahl, F. H. Stross, and M. D. Taylor. 2,580,284, Dec. 25.
Secondary-electron-emitting discharge device. C. S. Bull. 2,579,786, Dec. 25.
Seed pellet. F. W. Burgesser. 2,579,734, Dec. 25.
Segmental blading. W. C. Johnson. 2,579,583, Dec. 25.
Selective writing instrument. J. A. Vierling. 2,579,887, Dec. 25.
Selector system. G. G. Brown. 2,579,470, Dec. 25.
Self-adjusting pump. T. C. Goodale. 2,579,817, Dec. 25.
Self-locking folding box. R. B. Meller. 2,580,181, Dec. 25.
Separable pressure pad attachment for C-clamps. E. E. Atchison. 2,579,995, Dec. 25.
Separation of wax by filtration with flue gas chilling. W. W. Kraft. 2,579,501, Dec. 25.
Separator: *See*—
Form separator. Storage battery separator.
Service signal for restaurants and the like. R. E. Mallory. 2,579,686, Dec. 25.
Sewing machine. S. J. Woods. 2,579,993, Dec. 25.
Sewage distillation process. S. T. Kobernick. 2,579,932, Dec. 25.
Sewing machine work-holding attachment for darning and embroidering. R. E. Johnson. 2,580,101, Dec. 25.
Shaft drive for internal-combustion engines and the like. S. Rzepela. 2,579,969, Dec. 25.
Shearing machine. H. H. Merwin. 2,579,750, Dec. 25.
Shearing machine, Rotary steel scrap. F. R. McFarland. 2,580,115, Dec. 25.
Shears. C. H. Williams. 2,579,773, Dec. 25.
Shelf and wall protector, Combined. N. G. and W. J. Keller. 2,580,103, Dec. 25.
Shirt. A. M. Cooper and J. Bening. 2,579,550, Dec. 25.
Shoe tap. P. Kurkjian and E. J. Derderian. 2,579,677, Dec. 25.
Shovel handle. W. Fenton. 2,579,484, Dec. 25.
Showcase. C. Krauss. 2,580,029, Dec. 25.
Shutoff cock. N. R. Conant. 2,580,218, Dec. 25.
Shuttle guide. H. Hoeber. 2,580,297, Dec. 25.
Sign: *See*—
License plate reinforcement sign.
Signal amplifying, Frequency selective. L. E. Barton. 2,579,996, Dec. 25.
Signpost, Roadside. R. W. Bates. 2,579,997, Dec. 25.
Silo unloader. E. C. Leach, O. F. Manthie, and G. D. Clapp. 2,580,306, Dec. 25.
Sleeping bag. C. M. Miller. 2,579,948, Dec. 25.
Slidable and adjustable seat. L. F. Moroney. 2,579,597, Dec. 25.
Slidable and adjustable seat. L. F. Moroney. 2,579,599, Dec. 25.
Smoking pipe coating composition. H. A. DePhillips. 2,580,079, Dec. 25.
Sofa and Hollywood bed, Combined. T. R. Gibbs. 2,579,921, Dec. 25.
Soft ferromagnetic material and making same. J. L. Snoek, P. W. Haayman, and F. C. Romeyn. 2,579,978, Dec. 25.
Soluble salts of sulfonamides. H. Koster and G. Gennari. 2,579,933, Dec. 25.
Spindle, Phonograph turntable. A. D. Burt. 2,579,999, Dec. 25.
Sponge or like article, Surgical. C. W. Mott. 2,579,508, Dec. 25.
Spray gun for molten metal. F. J. Smith. 2,579,707, Dec. 25.
Spraying equipment, Vehicle mounted. H. A. Cartwright. 2,579,792, Dec. 25.
Spring assembly. J. Goldstein. 2,579,818, Dec. 25.
Spring unit for stripper devices. H. J. Aldrich. 2,579,641, Dec. 25.
Sprocket wheel construction. S. M. Mercier. 2,579,749, Dec. 25.
Stable vitamin B_{12} composition. M. T. Leffler. 2,579,679, Dec. 25.
Stadia rod. R. E. McMackin and H. P. Becker. 2,580,117, Dec. 25.
Stand: *See*—
Accordion stand.
Convertible folding reading stand.
Starting and stopping mechanism. T. N. Carter. 2,579,791, Dec. 25.
Station-indicating system for radio-gramophones comprising mechanism for allowing the turntable to move outwards. F. A. C. Lorza. 2,579,684, Dec. 25.
Stator winding machine. K. Klinksiek. 2,579,585, Dec. 25.
Steam generator. L. M. Fink. 2,579,559, Dec. 25.
Steering device, Fluid pressure operated. F. C. Albright. 2,580,064, Dec. 25.
Stepladder. A. O. Reed. 2,580,045, Dec. 25.
Sterilizer test device. W. Hargreaves. 2,579,738, Dec. 25.
Stocking and production. T. L. Hedgecock. 2,580,022, Dec. 25.
Storage battery separator. W. H. Lehmberg. 2,579,589, Dec. 25.
Storage device for record controlled computers. H. J. Kistner. 2,580,303, Dec. 25.
Storing and reproducing measured quantities. G. Keinath. 2,579,831, Dec. 25.
Storing perhaloacetyl peroxide and stabilized perhaloacetyl peroxide. W. T. Miller, A. L. Dittman, and S. K. Reed. 2,580,358, Dec. 25.
Stove and adjustable plates for the oven thereof. G. M. Birkic. 2,580,153, Dec. 25.
Strip forming mold. A. H. Narrow. 2,579,691, Dec. 25.
Structural frame unit for mounting decorative strips. A. Marchand. 2,579,943, Dec. 25.
Styrenated alkyd-melamine sulfonamide ether resins. J. Fantl. 2,580,289, Dec. 25.
Subsurface flowmeter. F. Morgan, D. W. Reed, and M. Muskat. 2,580,182, Dec. 25.
Sugar beet leaf defoliator. H. V. Lea. 2,579,837, Dec. 25.
Suitcase having inflatable form-container. J. R. Burton, Jr. 2,580,281, Dec. 25.
Sulfoethyl ethers of polysaccharides, Preparation of. V. R. Grassie. 2,580,352, Dec. 25.
Superregenerative receiver. W. R. Koch. 2,580,028, Dec. 25.
Support: *See*—
Cushioned escapement support. Key support.
Support and spacing device for hive body or super frames. O. A. Colley. 2,580,282, Dec. 25.
Support for containers, Automatic depletion indicating. A. K. Neilson. 2,580,041, Dec. 25.
Surface lubrication of metal products. W. S. Allen. 2,579,777–8, Dec. 25.
Surface protecting materials and making the same. A. S. Pitre and J. R. Saroyan. 2,579,610, Dec. 25.
Surgical speculum. L. B. Newman. 2,579,849, Dec. 25.
Surgical sponges and making same. H. C. Riordan and L. Bethke. 2,580,194, Dec. 25.
Switch: *See*—
Electric switch. Fluid type switch.
Switch. H. J. Crabbs. 2,579,799, Dec. 25.
Switch and mounting, Telephone. C. L. Krumreich. 2,580,105, Dec. 25.
Switch arrangement on phonograph pickup. W. D. Huston and J. M. Brady. 2,579,496, Dec. 25.
Switch construction, Electric. L. Ludwig. 2,579,841, Dec. 25.
Switches, Interlocked. J. M. Wallace and P. Silvius. 2,580,338, Dec. 25.
Synchronized stenter drive. K. Laurie. 2,580,233, Dec. 25.
Synthesis gas, Manufacture of. C. K. Mader. 2,579,843, Dec. 25.
Synthesis of acyl halides. R. E. Brooks and I. D. Webb. 2,580,070, Dec. 25.
Synthesis of organic compounds. W. B. Johnson. 2,579,828, Dec. 25.
Synthesis of organic compounds. H. G. McGrath and L. C. Rubin. 2,580,116, Dec. 25.
Synthesizing hydrocarbons. W. I. Gilbert and C. W. Montgomery. 2,579,663, Dec. 25.
Synthetic oils. W. A. Jordan and H. Wittcoff. 2,579,499, Dec. 25.
System for controlling the path of bombs and projectiles. J. H. Homrighous. 2,579,823, Dec. 25.
System for testing cable repeater. L. M. Ilgenfritz and R. W. Ketchledge. 2,580,097, Dec. 25.
Table: *See*—
Foldable portable chiropractor's table. Folding table.
Table attachment, Adjustable. S. F. Webster. 2,580,144, Dec. 25.
Tableware articles and resins used to produce same, Molded. A. A. Varela and R. J. Schupp. 2,579,985, Dec. 25.
Tablet box. J. H. O'Neil. 2,579,954, Dec. 25.
Table with crosslegs and braces, Folding. N. Krasney. 2,579,934, Dec. 25.
Take-up reel for knitting machines and method of operation. F. W. Ruehling and H. E. Haehnel. 2,580,186, Dec. 25.
Tandem axle vehicle. H. W. Jahn and E. H. Blank. 2,579,582, Dec. 25.
Tandem mandrel. J. Sunnen. 2,580,327, Dec. 25.
Tangleproof twine dispenser. C. C. Rich. 2,580,129, Dec. 25.
Tank: *See*—
Emergency fuel tank.
Tank for supporting offshore structures, Submersible. H. C. Rutledge and R. M. Adler. 2,579,703, Dec. 25.
Target, Surveying. R. D. Bergman. 2,579,644, Dec. 25.
Telegraph converter system and apparatus. L. M. Potts. 2,579,612, Dec. 25.

Telegraph relay. V. J. Terry. 2,579,523, Dec. 25.
Telephone system, Intercepting and verifying toll switching. H. W. Balzer. 2,579,722, Dec. 25.
Telescope sight. E. W. Bullard. 2,580,280, Dec. 25.
Temperature control for feeding cans. G. F. Jackson. 2,579,925, Dec. 25.
Temperature control valve. D. M. Liebhart and P. S. Dunaway. 2,579,938, Dec. 25.
Temperature equalizing means for furnaces. C. F. Wetherbee. 2,580,259, Dec. 25.
Testing device for comparatively short tubes. A. T. Scheiwer. 2,579,972, Dec. 25.
Testing wound cores. H. F. Herbig and J. J. McManus. 2,579,493, Dec. 25.
Textile decorating. N. S. Cassel and A. T. Clifford. 2,579,793–4, Dec. 25.
Theater chair. R. A. Chaillot. 2,579,795, Dec. 25.
Thermopile radiometer. J. T. Gier, L. M. K. Boelter, R. Bromberg, and E. R. Dempster. 2,580,293, Dec. 25.
Thread-advancing reel. C. A. Castellan. 2,579,548, Dec. 25.
Thread cleaner. E. A. Grimmer. 2,580,170, Dec. 25.
3 - methyl - 1 - (1' - hydroxy - 2',6',6' - trimethylcyclohexyl)-octa-3,5-dien-1-yn-7-one and preparing same. R. M. Evans. 2,579,658, Dec. 25.
Three-phase core. C. C. Horstman, C. E. Burkhardt, and B. B. Ellis. 2,579,578, Dec. 25.
Throttle control. C. W. Finkl. 2,579,811, Dec. 25.
Thrust meter. H. Schaevitz. 2,579,617, Dec. 25.
Thyroxine and its derivatives, Preparation of. B. A. Hems and J. C. Clayton. 2,579,668, Dec. 25.
Tie rod for concrete wall forms. A. H. Symons. 2,580,330, Dec. 25.
Tie, Sack. G. E. Miller. 2,579,689, Dec. 25.
Time multiplex television in color. J. A. Burton. 2,580,073, Dec. 25.
Timer for controlling the operation of photographic enlargers. D. O. Schwennesen. 2,579,764, Dec. 25.
Timing device. G. F. Duvall. 2,580,287, Dec. 25.
Tire wire clamp. P. J. Corcoran. 2,579,650, Dec. 25.
Tongs, Curtain stretching. I. A. Eng. 2,579,913, Dec. 25.
Tongs, Pickup. F. C. Barr. 2,579,536, Dec. 25.
Tool: *See*—
Combination tool. Knurling tool.
Cutting and scraping tool. Power-operated portable Fireplace tool. tool.
Hand-harvesting tool. Wheel manipulating tool.
Tool feed for lathes. L. E. Godfriaux. 2,579,566, Dec. 25.
Tool for loosening tire beads from rim flanges, Pivoted hand. E. Schmid. 2,579,868, Dec. 25.
Tool with cushioned hand grip. C. B. King. 2,579,930, Dec. 25.
Toothbrush and dentifrice container. H. S. Parsons. 2,579,695, Dec. 25.
Torsion meter system. L. G. Tubbs. 2,579,629, Dec. 25.
Tough styrene-olefin copolymers containing two to ten per cent of wax. W. J. Sparks and P. E. Hardy. 2,580,050, Dec. 25.
Toy, Action. W. P. Doe, L. W. Sly, and H. G. Fisher. 2,580,346, Dec. 25.
Toy, Educational talking. B. Segal and L. Salit. 2,579,872, Dec. 25.
Traction tread, Self-attaching. P. W. Bell. 2,580,272, Dec. 25.
Tractor hitch. R. G. Love. 2,580,109, Dec. 25.
Traffic bearing slab. H. Nagin. 2,580,185, Dec. 25.
Trailer hitch, Cycle. A. Marchetti. 2,580,112, Dec. 25.
Transformer construction. H. A. Strickland, Jr. 2,579,522, Dec. 25.
Transmission. C. E. Davis. 2,579,554, Dec. 25.
Transmission control mechanism. P. Orr. 2,579,693, Dec. 25.
Transmission operating device. H. W. Price. 2,580,125, Dec. 25.
Transmission operating mechanism. R. H. Long and E. R. Price. 2,580,108, Dec. 25.
Transmission system, Nonlinear signal. A. J. Torre and L. R. Kirkwood. 2,580,052, Dec. 25.
Transportation load and preparing same. D. M. Seeley. 2,580,248–9, Dec. 25.
Trap: *See*—
Rodent trap. Vapor trap.
Trap with demountable tuner, Line. M. J. Brown. 2,579,544, Dec. 25.
Tray rack construction, Removable. S. Saul, Jr. 2,579,704, Dec. 25.
Treating cellulosic and similar materials. R. R. Dorsett. 2,580,286, Dec. 25.
Treatment of polymer emulsions. M. J. Scott, E. F. Jackson, and C. H. Basdekis. 2,580,325, Dec. 25.
Tripod head, Camera. D. S. Weiss. 2,579,635, Dec. 25.
Trough, Hog feeder. B. J. Lattimer. 2,580,106, Dec. 25.
Tube: *See*—
Cathode-ray tube.
Tube connection, Flareless. G. V. Woodling. 2,579,529, Dec. 25.
Tuner for television receivers. E. J. H. Bussard. 2,579,789, Dec. 25.
Tunnel, Supersonic wind. R. H. Johnson. 2,580,228, Dec. 25.
Turf penetrating machine and element therefor. T. C. Mascaro. 2,580,236, Dec. 25.
2-hydroxy-pteroic acid and the n-formylated derivatives thereof. D. E. Wolf. 2,580,059, Dec. 25.
Ultrahigh-frequency electron discharge apparatus. E. Feenberg. 2,579,480, Dec. 25.
Ultrahigh-frequency system employing neutralizing probes. C. E. Haller and W. R. Keye. 2,579,820, Dec. 25.
V-type ditcher. A. R. Coviello. 2,579,651, Dec. 25.
Vacuum header for combine harvesters. F. A. Pearne. 2,579,957, Dec. 25.
Vacuumizing and sealing apparatus. A. L. Kronquest and M. M. Sedwick. 2,579,935, Dec. 25.
Valve: *See*—
Fluid control valve. Temperature control valve.
Valve. I. Pöckel and D. P. Smith. 2,579,855, Dec. 25.
Valve. V. H. Pruitt and L. A. Medlar. 2,579,962, Dec. 25.
Valve and booster for lubricant nozzles, Control. J. J. Pacey. 2,579,754, Dec. 25.
Valve for hydraulic brake systems, Pressure regulating. F. G. Castner. 2,579,904, Dec. 25.
Valve for hydraulic pumps or motors, Gyratory. L. T. Stoyke and B. H. Mosbacher. 2,579,879, Dec. 25.
Valve for reciprocating compressors, Suction. L. Hanson. 2,579,667, Dec. 25.
Valve guard. L. J. Benoit. 2,580,343, Dec. 25.
Valve return device. P. Panhard. 2,579,608, Dec. 25.
Valve stem guide with air inlet. M. M. Douglas. 2,579,657, Dec. 25.
Valve unit for volatile products, Dispensing. H. H. Sjolin. 2,579,977, Dec. 25.
Valve with floating check, Discharge. F. B. Allen and N. H. Siebens. 2,579,457, Dec. 25.
Valved closure plug for insertion in the neck of a bottle. S. Breakstone. 2,579,724, Dec. 25.
Vapor electric device. L. W. Herchenroeder. 2,579,574, Dec. 25.
Vapor generating and control system. P. S. Dickey. 2,580,345, Dec. 25.
Vapor trap. S. W. Gilbert. 2,580,016, Dec. 25.
Vaporizer. K. C. Thompson. 2,579,626, Dec. 25.
Vaporizer, Liquefied fuel. S. P. Jones. 2,580,102, Dec. 25.
Variable condenser and drive means therefor. R. R. Batcher. 2,580,000, Dec. 25.
Variload and varibias circuits. L. J. Wadzinski. 2,579,633, Dec. 25.
Vegetable treatment process. D. D. Peebles, P. D. Clary, Jr., and R. K. Meade. 2,579,609, Dec. 25.
Vehicle: *See*—
Tandem axle vehicle.
Vehicle bogie suspension. P. G. Drong. 2,579,556, Dec. 25.
Vehicle braking system, Automotive. A. D. Sahlgaard. 2,579,616, Dec. 25.
Vehicle hoist. C. M. McCormick. 2,579,688, Dec. 25.
Vehicle side rack. R. P. Akey. 2,579,774, Dec. 25.
Venetian blind. W. J. Stuber and J. J. Di Ienno. 2,580,252, Dec. 25.
Venetian blind, Sectional. H. W. Ferguson and S. Schwartz. 2,579,485, Dec. 25.
Venetian blind tilt mechanism with cord repositioning feature. W. J. Stuber and J. J. Di Ienno. 2,580,253, Dec. 25.
Ventilating device. H. Gibson. 2,579,662, Dec. 25.
Ventilator, Window. M. E. Achler and A. H. Milstine. 2,580,268, Dec. 25.
Vibration dampening support for cleaning and extracting apparatus. J. W. Chamberlin and J. F. Horvath. 2,579,472, Dec. 25.
Vibrator. J. G. M. Brodén. 2,579,784, Dec. 25.
Vinyl resin compositions, Manufacture of. J. G. Hendricks. 2,579,572, Dec. 25.
Visible index. S. C. Skeels. 2,579,765, Dec. 25.
Voltage regulator. T. M. Gluyas, Jr. 2,579,816, Dec. 25.
Volume expander with timing control. J. H. Hammond, Jr. 2,580,020, Dec. 25.
Vulcanization of polymerized acrylic esters. J. E. Hansen and T. J. Dietz. 2,579,492, Dec. 25.
Wall structure for dry seal gas-holders, Ventilated. J. H. Wiggins. 2,579,891, Dec. 25.
Wall switch plate, Electrically lighted. T. L. Wheeler, Jr. 2,580,056, Dec. 25.
Wardrobe, Collapsible. I. Blechman. 2,579,897, Dec. 25.
Warm-air heating system utilizing as the fuel a combustible gas. C. D. MacCracken. 2,579,507, Dec. 25.
Warp beam and harness frame transporting truck. N. W. Eurey. 2,579,730, Dec. 25.
Washing butyl reactors with isobutylene. L. R. Gould and G. G. Wanless. 2,580,019, Dec. 25.
Washing machine attachment. A. H. Schmidtke. 2,579,761, Dec. 25.
Water filtering and sediment removing device. A. Gazda. 2,580,012, Dec. 25.
Weight sorting device. H. O., O. C., and O. Niederer. 2,579,602, Dec. 25.
Wheel adjusting mechanism, Type. K. Aurbach. 2,579,535, Dec. 25.
Wheel cover. G. A. Lyon. 2,579,504, Dec. 25.

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Wheel manipulating tool. E. C. Pardee. 2,579,853, Dec. 25.
Wheel structure. G. A. Lyon. 2,579,505, Dec. 25.
Window. G. R. Gall. 2,580,166, Dec. 25.
Window blind. W. L. Coby. 2,579,905, Dec. 25.
Window sash, Reversible. C. Kelliher. 2,580,177, Dec. 25.
Wire fence gate. E. Wilson. 2,580,147, Dec. 25.
Wire nail machine. J. L. Weber. 2,580,055, Dec. 25.
Wood bending machine and nailing table. C. C. Cress. 2,579,800, Dec. 25.
Wood-swelling composition and a joint produced therewith. W. Lindenthal. 2,580,308, Dec. 25.
Work clamping device. L. I. Kaplan and G. von Reis. 2,579,675, Dec. 25.
Wrench: *See*—
Cam actuated wrench.
X-ray shield. P. Morrison. 2,580,360, Dec. 25.
Yarn doll cap. L. F. Maupin. 2,579,945, Dec. 25.
Yarn winding frame. P. P. Goerdeler. 2,580,088, Dec. 25.
Zero return for electromechanical integrators. S. L. Fagin. 2,579,731, Dec. 25.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 25, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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271— 2.3: 2,579,741
79: 2,579,540
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272— 8: 2,580,305
273— 86: 2,580,077
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274— 1: 2,579,872
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10: 2,579,999
277— 22: 2,579,457
50: 2,579,938
60: 2,579,608
279— 51: 2,580,067
114: 2,579,796
280—33.15: 2,580,109
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53: 2,579,639
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281— 12: 2,579,844
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21: 2,579,488
282— 29: 2,579,808
285— 90: 2,579,619
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290— 4: 2,579,929
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113: 2,579,823
200: 2,579,882
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34: 2,579,852

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,579,463: 39—28
2,579,500: 260—332.3
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Classification of Designs

D 3—17: Des. 165,506
D 4— 3: Des. 165,532
D 7— 5: Des. 165,535
D 9— 2: Des. 165,509
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D54—12: Des. 165,521
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D66— 2: Des. 165,559
D67— 3: Des. 165,526
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D85— 2: Des. 165,538
D86—10: Des. 165,514
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D87— 3: Des. 165,540
Des. 165,552
Des. 165,562
D92— 1: Des. 165,505

U. S. GOVERNMENT PRINTING OFFICE: 1951

Condition of Applications Under Examination at Close of Business Dec. 5, 1951

Total number of patent applications awaiting action, 105,206. Date of oldest new application, February 1, 1951; date of oldest amended application, January 25, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M.			
1 GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	2-9-51	2-8-51	2197
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-11-51	4-30-51	1080
3. MARMELSTEIN, N. Metal Foundng and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	4-11-51	4-14-51	1575
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-19-51	2-19-51	2011
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-23-51	4-23-51	1199
6. SURLE, H,, Carbon Chemistry (part)	4-2-51	4-2-51	1874
7. GONSALVES, J. E., Optics; Photography (part)	4-6-51	4-6-51	1297
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-28-51	2-28-51	1795
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	2-19-51	2-19-51	1575
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-12-51	2-9-51	1162
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	3-22-51	3-20-51	1018
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-15-51	3-9-51	1040
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	2-16-51	2-23-51	1229
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	2-27-51	2-26-51	1642
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-3-51	5-1-51	1244
16. LOVEWELL, N. N., Television, Telephony	2-10-51	2-7-51	1242
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	2-14-51	2-12-51	1732
18. KURZ, J. A., Power Plants; Speed Responsive Devices	2-13-51	2-13-51	1520
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	2-13-51	2-13-51	1128
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	2-26-51	2-23-51	1463
21. MADER, R. C., Textiles	2-20-51	2-7-51	1491
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	2-21-51	2-21-51	1281
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-8-51	2-8-51	849
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	4-12-51	4-11-51	1637
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-20-51	4-3-51	1333
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	2-8-51	2-20-51	1222
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	2-1-51	1-25-51	2026
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	2-14-51	2-9-51	1519
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	2-9-51	2-13-51	1469
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	4-9-51	4-9-51	1536
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-3-51	4-9-51	1975
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	3-7-51	3-1-51	1315
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-7-51	3-2-51	2194
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-10-51	3-9-51	1274
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	2-8-51	2-2-51	1648
36. McFADYEN, A. D., Measuring and Testing	2-7-51	2-8-51	1370
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-3-51	4-6-51	1227
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	3-22-51	2-20-51	1410
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	4-10-51	4-9-51	2137
40. DRUMMOND, E. J., Receptacles (part); Packages	3-2-51	3-2-51	2569
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-13-51	2-9-51	1219

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 105,206. Date of oldest new application, February 1, 1951; date of oldest amended application, January 25, 1951.

	PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
		New	Amended	
42.	MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	3-1-50	3-1-50	1337
43.	ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	4-13-51	4-20-51	1119
44.	HARVEY, L. P., Beds; Chairs, Seats	3-5-51	2-15-51	1447
45.	MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	2-5-51	2-2-51	1538
46.	O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	3-7-51	3-8-51	974
47.	KANOF, W. J., Motor Vehicles; Land Vehicles (part)	3-13-51	3-5-51	1460
48.	BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	3-13-51	3-6-51	1490
49.	BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	2-20-51	2-13-51	1702
50.	LEVIN, S., Synthetic Resins	6-6-51	5-23-51	1564
51.	YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-16-51	2-12-51	1099
52.	WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	2-15-51	2-15-51	2224
53.	BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	3-26-51	3-16-51	1114
54.	NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-9-51	3-1-51	1632
55.	KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	3-23-51	3-24-51	1134
56.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	4-6-51	4-3-51	1695
57.	MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	3-23-51	3-14-51	1811
58.	DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-5-51	3-2-51	1243
59.	SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	3-10-51	3-8-51	1241
60.	LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	3-3-51	3-5-51	1101
61.	LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-6-51	3-9-51	1393
62.	SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	3-21-51	2-27-51	1400
63.	WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	4-2-51	4-2-51	1761
64.	NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-1-51	5-1-51	1762
65.	MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-20-51	3-19-51	1451
66.	LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	2-20-51	2-8-51	1127
67.	KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-10-51	3-8-51	1289
68.	BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	2-17-51	2-19-51	1770
69.	GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	2-17-51	2-17-51	1380
70.	BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	2-8-51	2-9-51	1623
DESIGNS:	A. BREHM, G. L., Industrial Arts	7-20-51	7 21-51	940
	B. GRAY, M. A., Household, Personal and Fine Arts	7-10-51	8-4-51	661

Total number of trade-mark applications awaiting action (including renewals and republications), 16,042. Date of oldest new application, May 12, 1951; date of oldest amended application, May 9, 1951.

	TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
		New	Amended	
I.	BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	5-12-51	5-9-51	4976
II.	SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	6-9-51	6-9-51	3188
	Renewals (All Classes)	9-28-51	11-1-51	586
	Republications (All Classes)	10-18-51	11-1-51	345
III.	RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	5-27-51	5-14-51	3849
IV.	KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-8-51	6-2-51	3098

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,994,503, W. H. Chapman et al., Composition of rubber-like material and method of making goods therefrom, filed Oct. 30, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13595–HW, *Dunlop Tire & Rubber Corp.* v. *Pacific Latex Co., Inc.* Same, filed Nov. 2, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13604–HW, *Dunlop Tire & Rubber Corp.* v. *Advance Latex Co.* Doc. 13605–HW, *Dunlop Tire & Rubber Corp.* v. *H. C. Lien Rubber Co., Inc.*

2,008,547, J. H. Grayson, Safety gas valve; Re. 22,511, W. F. Jackson, Fuel control device; Re. 22,987, same, Safety control for gaseous fuel burners; 2,319,685, Jackson & Jeffers, Safety control for gaseous fuel burners, D. C., S. D. Calif. (Los Angeles), Doc. 12429–Y, *Robertshaw-Fulton Controls Co.* v. *Grayson-Greenamyer, Inc.* Stipulation and order dismissing cause without prejudice Nov. 5, 1951.

2,039,821, E. C. McKeefrey, Garment, D. C., S. D. N. Y., Doc. 49/294, *Model Brassiere Corp.* v. *Style Form Brassiere Co., Inc.* Consent judgment holding patent infringed (notice Nov. 20, 1951.)

2,053, 481, J. Kainen, Method of making buckle frames, D. C., S. D. N. Y., Doc. 48/621, *Algren Watch Findings Co., Inc.* v. *Harkal Mfg. Co.* "Plaintiff's patent invalid as to claims 1 and 3; complaint dismissed Nov. 16, 1951."

2,069,698, W. J. Dempster, Transporting and dumping vehicle; 2,199,520, 2,121,121, G. R. Dempster, same; 2,437,806, same, Transporting equipment; 2,187,657, W. E. Lambert, Conveying equipment; Re. 22,979, same, Conveying rig, D. C., N. D. Ga. (Atlanta), Doc. 3887, *Dempster Bros., Inc., et al.* v. *Calvert Iron Works, Inc., et al.* Consent decree for injunction Nov. 13, 1951.

2,121,121. (See 2,069,698.)

2,128,827, F. B. Killian, Method and apparatus for manufacturing thin rubber articles, filed Nov. 16, 1951, D. C., N. D. Ohio (Cleveland), Doc. 28670, *Frank B. Killian & Co.* v. *L. E. Shunk Latex Products, Inc.* Doc. 28671, *Frank B. Killian & Co.* v. *The Killian Mfg. Co.*

2,177,627, R. G. Drew, Adhesive sheeting, suit for declaratory judgment filed Nov. 17, 1951, D. C., S. D. N. Y., Doc. 71/129, *Technical Tape Corp.* v. *Minnesota Mining & Mfg. Co.*

2,187,657. (See 2,069,698.) 2,199,520. (See 2,069,698.)

2,219,393, H. H. McAdam, Defrosting device, filed Oct. 17, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13568–PH, *Carrier Corp.* v. *Refrigeration Engineering, Inc.*

2,236,447, 2,236,450, 2,236,451, 2,379,924, J. H. Roethel, Window guide, D. C., E. D. Pa. (Philadelphia), Doc. 8847, *Marvel Equipment Corp.* v. *Lazel Mfg. Corp. et al.* Stipulation dismissing complaint and counterclaim Nov. 13, 1951.

2,236,450. (See 2,236,447.) 2,236,451. (See 2,236,447.)

2,300,157, G. R. Hunt, Feather-picking apparatus for fowl, filed Nov. 19, 1951, D. C., E. D. Mo. (St. Louis), Doc. 8249(1), *Greenbrier Co.* v. *Chester B. Franz, Inc.*

2,319,685. (See 2,008,547.) 2,379,924. (See 2,236,447.)

2,437,806. (See 2,069,698.)

2,439,274, T. Spector, Wrist band or strap for watches, D. C., S. D. N. Y., Doc. 48/700, *Metro Leather Products Co.* v. *Lasko Strap Co.* Stipulation of dismissal notice Nov. 16, 1951.

2,441,482, E. D. Gerry, Shoulder pad construction, D. C., S. D. N. Y., Doc. 45/773, *E-Z Thread Co.* v. *International Latex Corp.* Judgment, complaint dismissed Nov. 19, 1951.

2,446,319, S. O. Orthwin, Hem-marker, filed Oct. 11, 1951, C. C. A., 8th Cir., Doc. 14469, *Scruggs-Vandervoort-Barney, Inc.* v. *Orco Products, Inc.*

2,564,818, H. L. Schwartz, Steam spotting gun, filed Nov. 15, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13623–HW, *J. G. Stinson et al.* v. *W. M. Cissell Mfg. Co., Inc.*

2,566,287, L. H. Finneburgh, Jr., Television antenna system, filed Nov. 15, 1951, D. C., N. D. Ind. (South Bend), Doc. 1302, *L. H. Finneburgh, Jr.* v. *Ward E. Rice Industries, Inc., et al.*

Re. 22,511. (See 2,008,547.)

Re. 22,979. (See 2,069,698.)

Re. 22,987. (See 2,008,547.)

Des. 151,732, W. G. Bley, Lady's stocking, filed Nov. 16, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12963, *Sanson Hosiery Mills, Inc., et al.* v. *H. E. Hosiery Co. et al.*

Des. 157,300, G. C. Tait, Stocking, D. C., E. D. Pa. (Philadelphia), Doc. 10905, *Millway Knitting Mills, Inc.* v. *Artcraft Hosiery Mills, Inc.* Consent decree dismissing complaint and counterclaim Nov. 20, 1951.

Des. 160,681, Wilcox & Dalton, Pedestal for cameras, D. C., S. D. Calif. (Los Angeles), Doc. 13080–PH, *Houston-Fearless Corp.* v. *Technical Products Co. et al.* Stipulation and order dismissing action and counterclaim Oct. 30, 1951.

Des. 164,765, J. Desprez, Combined perfume bottle and holder therefor, filed Nov. 16, 1951, D. C., S. D. N. Y., Doc. 71/117, *Coty, Inc.* v. *Bourjois, Inc.*

Des. 164,782, J. L. Librizzi, Decorative light bulb, filed Nov. 21, 1951, D. C., E. D. N. Y. (Brooklyn), Doc. 12287, *Radiant Glass Fibers Co., Inc.* v. *Art-Mode Mfg. Co., Inc.*

Plant 760, J. W. Pearson, Peach tree, filed Nov. 6, 1951, D. C., E. D. Tenn. (Winchester), Doc. 216, *J. W. Pearson* v. *Cumberland Valley Nurseries, Inc.*

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TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 334,168. St. George Textile Corp., Rayon and cotton piece goods, filed Nov. 21, 1951, D. C., S. D. N. Y., Doc. 71/180, *St. George Textile Corp.* v. *Darlyn Junior, Inc.*

T. M. 338,481, T. M. 411,667, Lubin Weeker Co., Inc., Pajamas; T. M. 548,394, Wilker Bros. Co., Same, filed Nov. 20, 1951, D. C., S. D. N. Y., Doc. 71/161, *Lubin Weeker Co., Inc.* v. *Wilker Bros. Co.*

T. M. 350,859, Lew L. Gluck Co., Inc., Women's and misses' dresses, filed Nov. 21, 1951, D. C., S. D. N. Y., Doc. 71/181, *Lew L. Gluck Co., Inc.* v. *Sutton Fabrics Corp.*

T. M. 407,569, Robinson & Sverdlik, Semi-precious and precious stones, filed Nov. 16, 1951, D. C., S. D. N. Y., Doc. 71/115, *Robinson & Sverdlik, Inc.* v. *Leading Jewelry Mfg. Co.*

T. M. 411,667. (See T. M. 338,481.)

T. M. 548,394. (See T. M. 338,481.)

NOTICES

Erratum

In the OFFICIAL GAZETTE, July 10, 1951, page 328, Disclaimer in Patent No. 2,433,804, for that portion reading "Hereby enters this disclaimer to claims 1 to 5, inclusive, of said patent," read

Hereby disclaims any construction of claims 1 to 5, inclusive, to cover a system wherein the indicator is of the PPI type; more specifically, disclaims claims 1, 2, and 5 except where they are limited to a system in which the indicator is of the B scan type, and disclaims claims 3 and 4 except where they are limited to a straight line movement or deflection of the indicator as distinguished from an angular movement.

Patent Office Closing

Pursuant to the memorandum from the Administrative Assistant to the President dated December 4, 1951, the Patent Office will be closed on Monday, December 24, 1951, and on Monday, December 31, 1951. The Office will be open for business on Saturday, December 29, 1951, and on Saturday, January 5, 1952.

JOHN A. MARZALL,
Commissioner of Patents.

Dec. 11, 1951.

Disclaimers

2,435,995.—*William H. Armistead*, Corning, N. Y. OPTICAL GLASS. Patent dated Feb. 17, 1948. Disclaimer filed Nov. 20, 1951, by the assignee, *Corning Glass Works.*

Hereby enters this disclaimer to claims 1, 2, 5, and 6 of said patent.

2,514,028.—*William S. Cloud*, Wilmette, Ill. MEANS FOR CONTROLLING STRETCH IN STRETCH-WRAPPING. Patent dated July 4, 1950. Disclaimer filed Nov. 30, 1951, by the inventor.

Hereby enters this disclaimer to claims 2 and 4 of said patent.

2,549,604.—*Thomas W. Howlett*, Detroit, Mich. DRIVE FOR FORGE HAMMERS. Patent dated Apr. 17, 1951. Disclaimer filed Nov. 23, 1951, by the assignee, *Letts Drop Forge, Inc.*

Hereby enters this disclaimer to claims 17, 20, and 22 of said patent.

Cancellation Notices

Frank Bertucci, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by William D. Borg, 1047 W. Manchester Ave., Los Angeles 44, Calif., to effect the cancellation of trade-mark registration of Frank Bertucci, 368 Rolling St., Malverne, Long Island, New York, N. Y., No. 371,003, dated September 12, 1939, and the notice of such proceeding sent by registered mail to the said Frank Bertucci at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Frank Bertucci, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Nov. 16, 1951.

American Smoked Cheese Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Kraft Foods Company, 500 Peshtigo Court, Chicago, Ill., to effect the cancellation of trade-mark registration of American Smoked Cheese Company, 1237 39th St., Brooklyn, N. Y., No. 397,039, dated August 11, 1942, and the notice of such proceeding sent by registered mail to the said American Smoked Cheese Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said American Smoked Cheese Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Dec. 6, 1951.

Harry N. Drucker, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Chicago Roller Skate Company, 4450 W. Lake St., Cook County, Chicago, Ill., to effect the cancellation of trade-mark registration of Harry N. Drucker, 419 E. Mitchell Ave., Cincinnati, Ohio, No. 344,907, dated April 6, 1937, and the notice of such proceeding sent by registered mail to the said Drucker at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Drucker, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Dec. 6, 1951.

John L. Nilson, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John P. Demling, 1105 Hayes Avenue, Oak Park, Ill., to effect the cancellation of trade-mark registration of John L. Nilson, 4751 Sheridan Road, Chicago, Ill., No. 440,505, dated September 7, 1948, and the notice of such proceeding sent by registered mail to the said Nilson, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Nilson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Dec. 6, 1951.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,554,887. Ground Engaging Support. Patented May 29, 1951. Portable ground-engaging support for lawn and beach umbrellas, hammocks, flagpoles, clotheslines, etc. In one form, a tubular socket to receive the end of a post has three tines secured thereto at spaced angular intervals, each with an arm portion and a pointed ground-engaging portion. A small plate secured to each arm rests upon the ground and provides a bearing area for the support. If desired, one or more guy-line anchors may be inserted in the ground with the lines connected to upper end of post. (Co-owner) Joseph R. Tricarico, Box 59, Fordham Station, Bronx 58, N. Y. Groups 25—19—99; 33—81; 39—95; 40. Reg. No. 45,857.

Pat. 2,558,151. Spring Supported Tractor Seat. Patented June 26, 1951. Spring seat for vehicle farming implements to absorb shocks and jars and provide reasonable comfort to occupant. The ends of the side arms of a pair of spaced upper and lower horizontally disposed U-shaped yoke frames are hinged together. Cross straps have sleeve couplings to engage the side arms. A group of shock-absorbing springs are provided between the frames and cross straps. A seating saddle is attached to upper frame. The center of the lower cross strap is attached to a hanger standard of a vehicle. (Owner) Charles W. Parke, Box 426, Burlington, Colo. Group 35—21—22. Reg. No. 45,858.

Pat. 2,559,196. Time Saver Frying Pan Lid. Patented July 3, 1951. Transparent heat-resistant lid for cooking pans has a utensil (such as a stirring spoon) movably mounted therein and supported on inner side of the lid when not needed. A handle and lid have registering vents for the escape of steam. Spaced openings are provided in lid to interchangeably receive a closure plug or support for a rotatable ball. Spring-pressed detents maintain plug and support immobile. Utensil includes a stem having a threaded socket to receive a shaft slidable through opening in ball with handle at outer end. The head of a spoon, fork, or spatula can be detachably secured to inner end of stem. (Owner) Nicholas J. Medved, 72 Cherry St., Etna 23, Pa. Groups 32—29; 34—41—99; 39—81; 40. Reg. No. 45,859.

Pat. 2,535,095. Bomb Shackle Release. Patented Dec. 26, 1950. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Bomb release mechanism is substantially shockproof to prevent inadvertent release of a bomb and accidental closing of transfer switching contacts to complete a circuit to release mechanism of the next bomb. The mechanism includes a rotary cylindrical magnet spring biased to normal position to retain locking balls in depressions in a ram to maintain the ram in cocked position. Energization of a solenoid creates a magnetic field to rotate the magnet to permit the balls to enter recesses in the inner periphery of the magnet for releasing the ram. A transfer switching device operates antomatically in synchronization with the release mechanism to close contacts to complete a circuit to next bomb. (Owners) D. E. Schwartz, 1612 Oakview Drive, Silver Spring, Md., and R. E. Kemelhor, 310 Livingston Terrace, S. E., Washington 20, D. C. Groups 33—X9; 36—19; 37—22. Reg. No. 45,860.

Pat. 2,557,038. Phase Discriminator. Patented June 12, 1951. Discriminator for demodulating phase modulated waves is self-adjusting on drifts of the received wave from a normal or zero modulation frequency, and does not require the transmission of a reference wave along with the phase modulated wave. A train of sharp trigger pulses are derived from the incoming wave, each pulse occurring at the instant the wave goes through zero. The pulses are utilized to trip a relaxation oscillator to produce a sawtooth wave. (Owner) Karl F. Ross, 1054 Colgate Ave., Bronx 59, N. Y. Group 36—61—62. Reg. No. 45,861.

Pat. 2,503,632. Automatic Electric Switch. Patented Apr. 11, 1950. Combination of main headlights and auxiliary emergency headlights for automobiles. When the main headlights are on and a fuse blows, or the circuit is otherwise accidentally broken, an auxiliary switch automatically closes to complete a circuit to light the emergency headlights. When the main headlight switch is opened, a cam is actuated to open the auxiliary switch. A solenoid connected in series with the main headlight circuit is energized when the main headlights are turned on to hold the auxiliary switch open until the main headlight circuit is accidentally broken. (Owner) Porter Prather, 326 North Broadway, Georgetown, Ky. Groups 34—81; 36—19—41. Reg. No. 45,862.

Pat. 2,557,628. Nut-Holding Attachment for Wrenches. Patented June 19, 1951. Attachment for holding and placing a nut in places not easily reached by hand may be slipped on the shank of a wrench and held by frictional engagement therewith. Attachment has a substantially U-shaped yoke of spring metal. Integral with the legs of the U are a pair of flat parallel arms, one arm extending under and the other above the bifurcation of wrench head. The upper arm is bifurcated to provide a slot narrower than that of the wrench head. Under arm has a nub projecting upwardly into the slot of the wrench. Various modifications are shown to fit different shaped nuts, and for different types of wrenches. (Owner) Maximilian C. Becker, 79 Washington St., East Orange, N. J. Group 33—52. Reg. No. 45,863.

Pat. 2,554,199. Clothespin Assembly. Patented May 22, 1951. Removable waterproof covering for enclosing a group of clothespins on a line is cylindrical in shape with end openings to receive the line. A slide fastener extends from the openings longitudinally along bottom of covering. When the covering is opened and folded back, the clothespins can be released. Fastening strips are provided at one end of covering over which a clothespin can be placed to secure covering to line. (Owner) Louise A. Lewis, 4632 Montgall Ave., Kansas City 4, Mo. Groups 23—99; 30—51; 39—81; 40. Reg. No. 45,864.

Pat. 2,563,691. Cooking Utensil. Patented Aug. 7, 1951. A deep-fat cooking utensil for bacon or the like has a grease receptacle with drip flange at upper end. A removable wire mesh food basket fits within receptacle and is hingedly connected to one end of a cover. A lifting handle is provided at center of cover. Cover has an end portion which overhangs end wall of basket to form a stop to limit opening movement of cover to vertical position. When fully open, the cover may be raised endwise to remove the basket in stabilized horizontal position from grease receptacle. Receptacle is preferably made of glass with glass or metal cover. (Owner) Royal O'Reilly. Correspondence to Pierce, Scheffler & Parker, 1319 F St., N. W., Washington 4, D. C. Groups 32—29; 34—41—99; 36—21. Reg. No. 45,865.

Pat. 2,562,616. Portable Folding Swing Support. Patented July 31, 1951. Portable folding swing and support for indoor or outdoor use. An inverted U-shaped support has swing-attaching eyebolts in bridge head. The legs of support are bolted to triangular shaped plates diametrically opposed to each other. The plates pivotally support outwardly diverging and inclined front and rear legs which are joined at their lower ends by cross bars. Self-locking casters are provided on feet of front legs, and the feet of rear legs are provided with anti-slipping material. Latch bars are pivoted to front legs for locking legs in extended position. May be made of metal or wood in various sizes for infants or older children. (Owner) Walter M. Hudson, 175 East 21st South St., Salt Lake City, Utah. Groups 25—14—99; 33—73; 34—41; 39—49. Reg. No. 45,866.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Groups 28—83—88—89; 32—93; 34—19; 35—11—59—61—65—66—71—84; 36—11—13—19—21—41—62—99; 39—11—12—13—81. Reg. Nos. 45,867 through 46,018.

Re. 22,161. Dynamoelectric Machine. Aug. 18, 1942. (Original 2,199,156, Apr. 30, 1940.)

Pat. 1,994,320. Relief Valve. Mar. 12, 1935.

Pat. 2,004,783. Shaft Bearing. June 11, 1935.

Pat. 2,020,097. Mercury Turbine Condenser Arrangement. Nov. 5, 1935.

Pat. 2,027,848. Emergency Tripping Device. Jan. 14, 1936.

Pat. 2,047,821. Packing Arrangement. July 14, 1936.

Pat. 2,053,162. Core for Dynamo-Electric Machines. Sept. 1, 1936.

Pat. 2,057,561. Elastic Fluid Turbine Arrangement. Oct. 13, 1936.

Pat. 2,064,649. Elastic Fluid Turbine. Dec. 15, 1936.

Pat. 2,077,384. Regulating Arrangement for Elastic Fluid Power Plants. Apr. 20, 1937.

Pat. 2,080,243. Speed Governor. May 11, 1937.

Pat. 2,082,601. Turbine Arrangement. June 1, 1937.

Pat. 2,095,128. Fabricated Elastic Fluid Turbine Casing. Oct. 5, 1937.

Pat. 2,095,132. Safety Arrangement for High Pressure Elastic Fluid Turbines. Oct. 5, 1937.

Pat. 2,095,821. Isochronous Governing Mechanism. Oct. 12, 1937.

Pat. 2,095,828. Safety Diaphragm. Oct. 12, 1937.

Pat. 2,097,314. Bladed Body. Oct. 26, 1937.

Pat. 2,102,416. Elastic Fluid Turbine Arrangement. Dec. 14, 1937.

Pat. 2,112,738. Elastic Fluid Turbine. Mar. 29, 1938.

Pat. 2,114,873. Elastic Fluid Surface Condenser. Apr. 19, 1938.

Pat. 2,121,643. Elastic Fluid Turbine Arrangement. June 21, 1938.

Pat. 2,121,645. Elastic Fluid Turbine. June 21, 1938.

Pat. 2,124,395. Power Plant. July 19, 1938.

Pat. 2,126,596. Liquid Purification Apparatus. Aug. 9, 1938.

Pat. 2,128,805. Support for Elastic Fluid Turbines. Aug. 30, 1938.

Pat. 2,132,274. Dynamo-Electric Machine. Oct. 4, 1938.

Pat. 2,133,135. Gearing. Oct. 11, 1938.

Pat. 2,133,879. Shaft Packing. Oct. 18, 1938.

Pat. 2,141,260. Governing Mechanism for Elastic Fluid Turbines. Dec. 27, 1938.

Pat. 2,151,569. Speed Governor. Mar. 21, 1939.

Pat. 2,161,617. Elastic Fluid Turbine Arrangement. June 6, 1939.

Pat. 2,168,155. Governing System for Elastic Fluid Engines. Aug. 1, 1939.

Pat. 2,174,380. Method of Making Elastic Fluid Turbines. Sept. 26, 1939.

Pat. 2,180,140. Elastic Fluid Turbine for Ship Propulsion. Nov. 14, 1939.

Pat. 2,180,188. Valve. Nov. 14, 1939.

Pat. 2,181,002. Elastic Fluid Turbine Plant. Nov. 21, 1939.

Pat. 2,181,751. Elastic Fluid Turbine Arrangement. Nov. 28, 1939.

Pat. 2,181,752. Elastic Fluid Turbine. Nov. 28, 1939.

Pat. 2,185,048. Mercury Boiler Feed Arrangement. Dec. 26, 1939.

Pat. 2,187,788. Elastic Fluid Turbine. Jan. 23, 1940.

Pat. 2,188,187. Emergency Governing Apparatus. Jan. 23, 1940.

Pat. 2,188,194. Elastic Fluid Turbine Plant. Jan. 23, 1940.

Pat. 2,191,343. Elastic Fluid Turbine Condenser Arrangement. Feb. 20, 1940.

Pat. 2,192,042. Fluid Control Mechanism. Feb. 27, 1940.

Pat. 2,195,230. Turbine Supporting Arrangement. Mar. 26, 1940.

Pat. 2,196,003. Mercury Sump Arrangement. Apr. 2, 1940.

Pat. 2,196,045. Nozzle Diaphragm. Apr. 2, 1940.

Pat. 2,196,062. Nozzle Diaphragm. Apr. 2, 1940.

Pat. 2,199,141. Dynamoelectric Machine. Apr. 30, 1940.

Pat. 2,199,243. Elastic Fluid Turbine Rotor. Apr. 30, 1940.

Pat. 2,199,250. Elastic Fluid Turbine Packing Arrangement. Apr. 30, 1940.

Pat. 2,199,351. Dynamoelectric Machine. Apr. 30, 1940.

Pat. 2,202,831. Mercury Boiler. June 4, 1940.

Pat. 2,204,138. Elastic Fluid Power Plant. June 11, 1940.

Pat. 2,204,139. Elastic Fluid Power Plant. June 11, 1940.

Pat. 2,206,704. Elastic Fluid Generator. July 2, 1940.

Pat. 2,206,707. Sealing Device. July 2, 1940.

Pat. 2,215,306. Pressure Regulating System. Sept. 17, 1940.

Pat. 2,215,997. Elastic Fluid Turbine. Sept. 24, 1940.

Pat. 2,217,500. Turbine Diaphragm Arrangement. Oct. 8, 1940.

Pat. 2,217,788. Dynamoelectric Machine. Oct. 15, 1940.

Pat. 2,219,935. Mercury Boiler. Oct. 29, 1940.

Pat. 2,221,678. Elastic Fluid Turbine Bucket Wheel. Nov. 12, 1940.

Pat. 2,228,849. Seal for Valve Mechanisms. Jan. 14, 1941.

Pat. 2,228,953. Elastic Fluid Generator. Jan. 14, 1941.

Pat. 2,229,963. Centering and Supporting Arrangement for Packings and the Like. Jan. 28 1941.

Pat. 2,230,736. Centrifugal Speed Governor. Feb. 4, 1941.

Pat. 2,235,539. Strainer Arrangement. Mar. 18, 1941.

Pat. 2,235,547. Elastic Fluid Turbine. Mar. 18, 1941.

Pat. 2,236,274. Liquid Film Seal. Mar. 25, 1941.

Pat. 2,237,799. Hydraulic Governing Mechanism. Apr. 8, 1941.

Pat. 2,241,970. Condenser Arrangement. May 13, 1941.

Pat. 2,244,398. Elastic Fluid Turbine. June 3, 1941.

Pat. 2,247,074. Sealing Arrangement. June 24, 1941.

Pat. 2,247,378. Elastic Fluid Turbine Diaphragm Supporting and Centering Arrangement. July 1, 1941.

Pat. 2,252,456. Elastic Fluid Turbine Arrangement. Aug. 12, 1941.

Pat. 2,255,486. Elastic Fluid Turbine Bucket Wheel. Sept. 9, 1941.

Pat. 2,256,221. Elastic Fluid Turbine Casing. Sept. 16, 1941.

Pat. 2,258,224. Valve Testing Apparatus. Oct. 7, 1941.

Pat. 2,259,126. Elastic Fluid Turbine. Oct. 14, 1941.

Pat. 2,260,009. Gearing. Oct. 21, 1941.

Pat. 2,260,010. Marine Turbine Condenser and Supporting Arrangement. Oct. 21, 1941.

Pat. 2,264,833. Valve Means for Hydraulic Governing Mechanism. Dec. 2, 1941.

Pat. 2,266,613. Double Shell Elastic Fluid Turbine. Dec. 16, 1941.

Pat. 2,269,175. Elastic Fluid Turbine. Jan. 6, 1942.

Pat. 2,271,971. Turbine Bucket Wheel. Feb. 3, 1942.

Pat. 2,275,906. Elastic Fluid Turbine Arrangement. Mar. 10, 1942.

Pat. 2,276,793. Core for Electrical Devices. Mar. 17, 1942.

Pat. 2,276,830. Safety Diaphragm. Mar. 17, 1942.

Pat. 2,278,249. Hydraulic Control Mechanism. Mar. 31, 1942.

Pat. 2,282,894. Elastic Fluid Turbine. May 12, 1942.

Pat. 2,284,465. Shaft Packing. May 26, 1942.

Pat. 2,289,159. Mercury Boiler. July 7, 1942.

Pat. 2,294,753. Elastic Fluid Turbine Arrangement. Sept. 1, 1942.

Pat. 2,300,852. Liquid Vapor Separating Device. Nov. 3, 1942.

Pat. 2,303,159. Extraction and Non-Condensing Turbine Arrangement. Nov. 24, 1942.

Pat. 2,312,876. Elastic Fluid Generator. Mar. 2, 1943.

Pat. 2,314,207. Shaft Seal. Mar. 16, 1943.

Pat. 2,322,598. Elastic Fluid Turbine Arrangement. June 22, 1943.

Pat. 2,325,404. Thrust Bearing Arrangement. July 27, 1943.

Pat. 2,328,451. Elastic Fluid Turbine Arrangement. Aug. 31, 1943.

Pat. 2,332,941. Condenser Boiler. Oct. 26, 1943.

Pat. 2,333,454. Hydraulic Governing Mechanism. Nov. 2, 1943.

Pat. 2,333,455. Valve Arrangement. Nov. 2, 1943.

Pat. 2,336,323. Sealing Arrangement for Elastic Fluid Turbines and the Like. Dec. 7, 1943.

Pat. 2,338,548. Elastic Fluid Turbine Arrangement. Jan. 4, 1944.

Pat. 2,339,253. Thrust Bearing Arrangement. Jan. 18, 1944.

Pat. 2,341,304. Brush Holder. Feb. 8, 1944.

Pat. 2,342,502. Dynamoelectric Machine. Feb. 22, 1944.

Pat. 2,354,071. Surface Type Heat Exchanger. July 18, 1944.

Pat. 2,355,440. Piping Arrangement. Aug. 8, 1944.

Pat. 2,361,881. Relief Valve. Oct. 31, 1944.

Pat. 2,364,961. Construction for Heat-Transfer Reduction. Dec. 12, 1944.

Pat. 2,368,471. Alarm System. Jan. 30, 1945.

Pat. 2,371,607. Torque Applying Device. Mar. 20, 1945.

Pat. 2,373,558. Method of Making Elastic Fluid Turbine Diaphragms and the Like. Apr. 10, 1945.

Pat. 2,373,621. Prime Mover Governing Mechanism. Apr. 10, 1945.

Pat. 2,376,188. Foundation for Elastic Fluid Turbines and the Like. May 15, 1945.

Pat. 2,380,237. Elastic Fluid Turbine. July 10, 1945.

Pat. 2,392,673. Elastic Fluid Turbine. Jan. 8, 1946.

Pat. 2,393,137. Expansion Joint Arrangement. Jan. 15, 1946.

Pat. 2,394,110. Dynamo-Electric Machine. Feb. 5, 1946.

Pat. 2,394,125. Tandem Compound Elastic Fluid Turbine Arrangement. Feb. 5, 1946.

Pat. 2,397,173. Ship Propulsion Turbine Arrangement. Mar. 26, 1946.

Pat. 2,440,980. Turbine Oil System With Pump Priming Arrangement. May 4, 1948.

Pat. 2,451,219. Dynamoelectric Machine. Oct. 12, 1948.

Pat. 2,454,979. Gas Filled Machine. Nov. 30, 1948.

Pat. 2,467 818. High-Temperature Turbine Casing Arrangement Apr. 19, 1949.

Pat. 2,483,163. Shut-Off Valve. Sept. 27, 1949.

Pat. 2,503,914. Elastic Fluid Turbine Casing. Apr. 11, 1950.

Pat. 2,494,373. Crumb Scrapers and Ejectors. Jan. 10, 1950.

Pat. 2,548,632. Vacuum Cleaner Attachment Couplings and Belt Lifters. Apr. 10, 1951.

Pat. 2,549,523. Electric Fans. Apr. 17, 1951.

Pat. 2,556,870. Adjustable Light Sources Having a Bi-Metallic Support Arm. June 12, 1951.

Pat. 2,556,892. Waffle Irons. June 12, 1951.

Pat. 2,514,947. Electric Switch. July 11, 1950.

Pat. 2,519,872. Electrical Contact Composition or the Like. Aug. 22, 1950.

Pat. 2,543,622. Traction Vehicle Wheel Slip Control System. Feb. 27, 1951.

Pat. 2,558,598. Bearing Construction. June 26, 1951.

Pat. 2,538,657. Tetra Allyl Silane and Polymers Thereof. Jan. 16, 1951.

Pat. 2,542,641. Preparation of Polysiloxane Resins. Feb. 20, 1951.

Pat. 2,546,729. Magnetic Motor. Mar. 27, 1951.

Pat. 2,547,634. Varying Ration Drive for Nonuniform Scale Meters. Apr. 3, 1951.

Pat. 2,549,511. Apparatus for Uniform Heating With Electromagnetic Fields. Apr. 17, 1951.

Pat. 2,553,714. Process for Making, and an Article of, Porous Cemented Carbide. May 22, 1951.

Pat. 2,556,871. Superposition Optical Image Projector. June 12, 1951.

Pat. 2,556,972. Computing Device. June 12, 1951.

Pat. 2,557,720. Motion Arresting Device. June 19, 1951.

Pat. 2,557,744. Preparation of a Metal Carbonyl From Tungsten or Molybdenum Oxychloride. June 19, 1951.

Pat. 2,558,534. Over-Pressure Protective Device. June 26, 1951.

Pat. 2,558,550. Method and Apparatus for Calibrating Sound Meters. June 26, 1951.

Pat. 2,558,602. Two-Temperature Cabinet. June 26, 1951.

Patent Removed from Register

Pat. 2,517,462. Electric Motor. Listed by Lorin M. Christian in the OFFICIAL GAZETTE, Oct. 31, 1950. Reg. No. 38,783.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING NOVEMBER, 1951

FLEETWOOD COFFEE CO. *v.* H P COFFEE COMPANY, 173 Ms. D. 529, 91 USPQ 179, November 2, 1951, Opposition No. 28,729.

Application was made for registration of the trade-mark "Blue Point" as applied to coffee. Opposition was filed based upon allegations of prior use and ownership of the mark "Blue Ridge" shown in opposer's Registration No. 108,486 for goods identical with those of the applicant. The Examiner of Trade-Mark Interferences sustained the opposition, being of the opinion that the similarities substantially outweigh the differences between the two marks and that their simultaneous use in the same market upon coffee would be reasonably likely to cause confusion or mistake or deception of purchasers. *Assistant Commissioner Klinge* reversed.

It was held that each term is a composite unitary expression having a well recognized single meaning and when considered as a whole, as they should be, likelihood of confusion as to origin of the goods of the respective parties is considered unlikely even when they are used on the same goods.

EX PARTE PACIFIC COAST AGGREGATES, INC., 173 Ms. D. 535, 91 USPQ 214, November 8, 1951.

Application was made for the registration on the Principal Register of the notation "Pacific Coast Aggregates, Inc.," as a service mark for the processing, transportation and sale of rock, sand and gravel, cement, ready-mixed concrete and other building materials and supplies such as builders' paper, mortar mix and joint and crack filler. The notation sought to be registered is the applicant's corporate title. The Examiner of Trade-Marks refused registration on the ground (1) that the notation is not used in the sale or advertising of services as required by the statute; (2) that the notation is used as the applicant's trade name and not as a service mark; and (3) that the notation is not registrable on the Principal Register since it comprises the geographically descriptive term "Pacific Coast" and the descriptive words "Aggregates, Inc." *Assistant Commissioner Klinge* affirmed.

It was held that the careful treatment given the materials sold by the applicant, and the prompt and reliable delivery service which the applicant provides for the customers to which it sells its goods, is not a service which it sells or advertises so as to bring it within section 45 of the statute.

It was held that as far as this record shows, the applicant is neither selling nor advertising a service, so that the Examiner was right in holding that the use of the corporate title on the record presented in this case, is clearly *trade name* use rather than service mark use, and that if it be considered to go beyond the mere function of a trade name, it serves only to advertise the applicant's products.

It was held that the words "Pacific Coast" clearly indicate the geographical location of applicant's business, the word "Aggregates" clearly denotes certain of the goods in which the applicant deals, and the expression "Inc." is used for no other purpose than to indicate that the applicant is a corporation, so that singly or combined the words have no other meaning in this case, and that it is well settled that a mark comprising words nonregistrable separately are not endowed with registrability when combined.

After noting that applicant has on file a purported showing under section 2(f) which has been held in abeyance and with respect to which applicant stated in its brief that it "may in extremis rely upon that alternative," it was held that it would be futile to consider the showing under section 2(f) at this time since it could only be of any significance in this case if the holding as to the first two grounds of rejection were reversed; furthermore, applicant has not sought to amend the application to seek registration under section 2(f).

EX PARTE PACIFIC COAST AGGREGATES, INC., 173 Ms. D. 537, 91 USPQ 210, November 8, 1951.

Application was made for registration on the Principal Register in accordance with the act of July 5, 1946, of the letters "PCA" within a series of concentric colored circles. The colors are not indicated on the drawing, but applicant has indicated that should the mark be ultimately found registrable the drawing will be amended to show color. The mark is for "the processing, transportation and sale of rock, sand and gravel, cement, ready-mixed concrete and other building materials and supplies such as builders' paper, mortar mix, and joint and crack filler." The Examiner of Trade-Marks refused registration on the ground that the mark in question is used in advertising *goods* sold by the applicant rather than in the "sale or advertising of services" as required by the statute, the "processing" and "transportation" which the applicant performs being rendered as a part of and incident to the sale of such goods, which do not constitute "services" as contemplated by the statute. *Assistant Commissioner Klinge* affirmed.

It was held that the processing given the materials sold by the applicant and the prompt and reliable transportation which the applicant provides for the customers with which the applicant deals is not a service which it sells or advertises so as to bring it within section 45 of the statute, so that the mark here presented is not registrable as a service mark under the provisions of section 45 of the act of 1946.

EX PARTE TAMPAX INCORPORATED, 173 Ms. D. 531, 91 USPQ 215, November 8, 1951.

Application was made for registration as a "service mark" of the notation

"No Belts
No Pins
No Pads"

in white letters on a symmetrically arranged rectangular background. The notation is stated in the application as used in applicant's advertisements in periodicals, magazines and newspapers and on applicant's counter display cards, window display cards, containers, packages, cartons, labels and leaflets as a trade slogan to identify applicant's services and to distinguish them from the services of others. The so-called "service" which the applicant renders is referred to as "An information service" for the public. The Examiner of Trade-Marks refused registration on the ground that the notation presented is used merely in the advertising of merchandise manufactured and sold by applicant, rather than in the advertising of services rendered. *Assistant Commissioner Klinge* affirmed.

It was held that whatever service the applicant provides to prospective purchasers has but one end in view, namely, the sale of its own *goods*, and the applicant thereby neither advertises nor does it sell a service as such, nor does the mark identify a service which applicant advertises or sells to distinguish it from the services of others, so that the applicant's mark is essentially a descriptive slogan for its goods, if it is anything.

THE ELECTRIC STORAGE BATTERY COMPANY *v.* PATRICK AUTO SUPPLY COMPANY, 173 Ms. D. 543, 91 USPQ 249, November 13, 1951, Opposition No. 28,992.

Application was made for registration on the Principal Register in accordance with the act of 1946 for storage batteries of a composite mark comprising the notation "ExOlite" displayed in red-orange letters upon a black circular panel having a narrow red-orange colored border. The letter "O" is circular in outline, larger in size than the remaining letters and is concentrically arranged with respect to the colored border of the panel. The word "lite" is disclaimed. Opposition was filed, based upon opposer's ownership of prior Registrations No. 36,186 and No. 298,776 for the mark "EXIDE" applied to storage batteries, as well as to other related products, opposer alleging prior use of its notation as represented in red-orange color enclosed within a red-orange circle. The Examiner of Trade-Mark Interferences sustained the opposition. *Assistant Commissioner Klinge* affirmed.

After noting that the only question here for consideration is whether the marks are so similar as to be likely to cause confusion or mistake or to deceive purchasers as to the source or origin of the applicant's goods, it was held that it is immaterial to the opposer's right to oppose that it may not be entitled to the exclusive use of its mark enclosed within a red-orange circle, in view of the fact that opposer is prior to the applicant in the use thereof.

It was held that the Examiner was right in ruling that although applicant's mark is of composite nature, consisting of a notation and a design, nevertheless, the notation "ExOlite" obviously comprises the characterizing and dominating feature thereof. It is well settled that where a conspicuous and essential feature of a mark is confusingly similar to another mark, the inclusion of additional features is not sufficient to differentiate them.

It was held that, regardless of how the applicant's notation is considered, "ExOlite" is so similar to the opposer's mark "Exide" in appearance and sound as to be clearly likely to cause confusion or mistake or to deceive purchasers when used with the same goods with which the opposer uses its mark "Exide"; similarities in appearance and sound, or either alone, may be sufficient grounds for sustaining an opposition.

EX PARTE LUCIEN LELONG, INC., 173 Ms. D. 545, 91 USPQ 248, November 13, 1951.

Application was made for registration of the word "Solid" for stick cologne on the Principal Register in accordance with the provisions of section 2(f) of the act of 1946. The Examiner of Trade-Marks refused registration on the ground that the word "Solid" when used in conjunction with stick cologne is not only merely descriptive of the product, but is incapable of distinguishing the applicant's product from similar goods of others. *Assistant Commissioner Klinge* affirmed.

After noting that the question here presented was also considered on appeal in a cancellation proceeding, decided October 3, 1951 (652 O. G. 915, 91 USPQ 15), involving the applicant's trade-mark Registration No. 500,262, for the word "Solid," issued on the Principal Register of the act of 1946 for the same goods, it was held that the applicant's mark is a word, the most common meaning of which is clearly descriptive of the applicant's goods in that it describes the form of the product which the applicant sells.

It was held that the Examiner was right in ruling that applicant cannot claim exclusive use of a term which has such general application in the trade and which competitors are free to use, and do use, in describing the character of similar goods of their own.

EX PARTE MONSANTO CHEMICAL COMPANY, 173 Ms. D. 548, 91 USPQ 269, November 16, 1951.

Commissioner Marzall denied a request addressed to the Commissioner to reconsider and overrule the

action of the Assistant Commissioner, dated October 18, 1951, denying the entry of an amendment to this application to add a claim of distinctiveness under section 2(f) of the act of 1946.

It was held that it is clear that once an appeal is filed the application is not open to further prosecution by the applicant except for the prosecution of the appeal or for placing the application in condition for registration, so that, since it was not until after appeal had been taken and the Examiner's statement prepared that applicant sought to reopen the prosecution for the consideration of an amendment relating to specific matters not theretofore considered, the decision of the Assistant Commissioner denying entry of such amendment was proper and it should not be disturbed.

THE BUROMIN COMPANY v. PANCHO NAKASHEFF, 173 Ms. D. 547, 91 USPQ 253. November 16, 1951, Opposition No. 28,914.

Application was made for registration of the mark "Burowin" for a medicinal preparation known as an antiseptic antiphlogistic preparation in tablet form, the right to registration being based upon section 44(e) of the Trade-Mark Act of 1946, applicant having a prior registration for the same mark for the same goods in Bulgaria. Use of the trademark in commerce in or with the United States is not alleged by applicant. Opposition was filed, based upon opposer's prior use and registration of the trade-mark "Buromin," Registration No. 285,744, for a chemical for treating steam boiler water to prevent the formation of boiler scale. The Examiner of Interferences dismissed the opposition, *Examiner-in-Chief Federico* affirmed.

It was held that the Examiner rightly held that the goods on which the parties use their respective marks are not sufficiently closely related to justify a finding of likelihood of confusion, notwithstanding that opposer's testimony indicates that it is expanding its facilities to manufacture reagents, which may eventually be found on the shelves of drug supply houses and even in drug stores.

LEVER BROTHERS COMPANY v. THE DIVERSEY CORPORATION, 173 Ms. D. 550, 91 USPQ 251, November 16, 1951, Opposition No. 28,351, Opposition No. 27,539.

Application was made for registration under section 2(f) of the act of 1946 of "D-Luxe" as applied to a granular chemical product sold in bulk containers for use in cleaning machinery and utensils in the dairy, food and beverage industries. Opposition was filed (No. 28,351) based upon opposer's prior use and ownership of the mark "Lux," as shown in opposer's several registrations of record herein, applied to a variety of cleaning preparations, the most pertinent of which is soap flakes. The Examiner of Interferences sustained the opposition.

The same applicant also made application for registration of "Divoluxe" as applied to a cleaning compound in granular form for use in cleaning milk cans and other like products. Opposition was filed by the same opposer, based upon the same grounds as Opposition No. 28,351. The Examiner of Interferences dismissed the opposition. *Examiner-in-Chief Federico* reversed in Opposition No. 28,351, affirmed in Opposition No. 27,539, and dismissed both oppositions, but no affirmative holding that the applicant is entitled to the registrations sought for was made, the dismissal of the oppositions leaving the applications in the status they were before the oppositions were brought.

It was held that the public would only attach the conventional meaning to applicant's slight misspelling of "de luxe" and would not consider the term alone of any particular significance as an indication of origin or distinction, and that the use on applicant's goods would not give rise to any likelihood or confusion as to origin.

It was held that the mark "Divoluxe" and the mark of the opposer, "Lux," when considered in their entireties, differ sufficiently to enable their use on the respective goods without giving rise to a reasonable likelihood of confusion.

After noting that applicant has made reference to more than four hundred registrations of third persons in support of applicant's contention that opposer's mark "Lux" is a so-called "weak mark," it was held that since copies of these registrations have not been filed as a part of the record of this case in accordance with the provisions of the applicable rule (Patent Rule 282) they cannot be considered; however, only one of the registrations referred to by applicant relates to a cleaning preparation and even if said registrations had been made of record herein, it is not believed that they would necessarily indicate that the word "Lux" lacks distinctiveness as applied to such goods.

JULIUS SCHWARTZ v. GENERAL ELECTRIC COMPANY, 173 Ms. D. 553, 91 USPQ 254, November 16, 1951, Cancellation No. 5652.

Petition was filed to cancel Trade-Mark Registration No. 35,089 for the letters "G E" in a monogram for use on machinery, electrical apparatus, and supply parts therefor. The registration was renewed in 1930. The Examiner of Interferences dismissed the petition on a motion for summary judgment. *Examiner-in-Chief Federico* affirmed.

It was held, in response to petitioner's assertion that the renewal is invalid because the application for renewal was not executed by the registrant in affidavit form as required by statute, and that the registrant failed and omitted to cite therein that the registrant was the owner thereof, that the request for renewal was made by the registrant in accordance with the requirements of the statute and in the usual form then customary for requests for renewal.

In response to petitioner's allegation that the original application contained no particular description of the goods, it was held that, since the defects pointed out by the Examiner in the first Office action were corrected, whereupon the registration was issued, petitioner's objection is utterly of no moment insofar as the validity of the registration is concerned.

In response to petitioner's allegation that the original application for registration did not assert that the registrant was the owner of the trade-mark, it was held that the applicant complied with the requirements and the declaration under oath contains the allegations required by the statute.

In response to petitioner's allegation that the registration was obtained by its fraud and concealment in failing to disclose that certain named firms or persons had used and were using the same trademark, it was held that petitioner does not point out what effect a prior registration of a monogram "G E" for lager beer could have on the validity of respondent's registration and none under the trademark law can be ascertained; and as to three registrations issued after the respondent's registration, that it has not been explained how under the law either of these registrations or their prior use upon the respective goods can have any effect upon the validity of respondent's registration and none is seen.

In response to petitioner's allegation that the letters "G E" are not capable of being considered as a trade-mark and that these letters were unregistrable as constituting the name of the registrant, it was held that both of these assertions are completely without merit, since it is elementary that combinations of letters may be valid trade-marks and may be registered; however, nothing has been cited or found holding that initials of the name of the applicant could not be registered under the old laws.

EX PARTE THE B. F. GOODRICH COMPANY, 173 Ms. D. 563, — USPQ —, November 28, 1951.

Assistant Commissioner Klinge affirmed the action of the Examiner of Trade-Marks refusing registration upon the Principal Register under the act of 1946, as a trade-mark, the expression "best in the long run," on the ground that the expression is a slogan and as such may only be registered upon the Supplemental Register.

It was held that the expression amounts to nothing more than a laudatory phrase which is incapable, in and of itself, of distinguishing the applicant's goods from those manufactured and sold by others, since it merely indicates that the tires sold by the applicant are the best, all things considered.

It was furthermore held that the phrase sought to be registered appears in small letters on the labels submitted with the application, along with the name of the applicant company and its registered trade-mark "Silvertown," and is less prominently displayed than any of the other printed matter appearing therewith, so that the phrase either inherently, or as used, does not serve the purpose of a trade-mark capable of distinguishing applicant's goods from like goods of others; it merely suggests the quality of such goods.

EX PARTE I. LEWIS CIGAR MANUFACTURING COMPANY, 173 Ms. D. 565, — USPQ —, November 28, 1951.

Assistant Commissioner Klinge affirmed the action of the Examiner of Trade-Marks refusing registration to the applicant on the Principal Register under the Trade-Mark Act of 1946 of the trade-mark "S Seidenberg & Co's.," on the ground that the mark is predominantly merely a surname, and therefore not proper subject matter for registration on the Principal Register without reliance on the provisions of section 2(f).

It was held that the addition of the expression "& Co's." adds nothing distinctive in the applicant's mark since it has been the uniform practice to ignore such expressions on the theory that they do not serve to identify any particular company.

It was held that the fact that applicant has a registration of the same mark under the act of 1905 can have no bearing on the registrability of the same mark upon the Principal Register of the act of 1946, for while it may well be that the use by the applicant of its mark may qualify for registration under the provisions of section 2(f) of the act of 1946, applicant does not seek registration under this provision of the act.

EX PARTE CHADBOURN HOSIERY MILLS, INCORPORATED, 173 Ms. D. 568, — USPQ —, November 29, 1951.

Application was filed seeking registration, for use on hosiery, on the Principal Register in accordance with the provisions of section 2(f) of the act of July 5, 1946, of the representation of a stocking having a V-shaped pattern in the toe portion or vamp thereof. The Examiner of Trade-Marks refused registration of the mark on the ground that the V-shaped pattern in the toe is designed to serve a utilitarian function, being an integral part of the applicant's hosiery. *Assistant Commissioner Klinge* affirmed.

It was held that the illustration of the V-shaped pattern which is formed in the vamp or toe of applicant's hosiery is not a trade-mark under section 2(f) of the act of 1946, capable of distinguishing the applicant's goods so as to indicate the source of origin thereof, because the V-shape here sought to be registered is nothing more than a design which is an integral part of the structure of the goods, serving an ornamental purpose as part of the vamp itself without which there would be no V-shaped portion.

EX PARTE CHADBOURN HOSIERY MILLS, INCORPORATED, 173 Ms. D. 567, — USPQ —, November 29, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing

registration on the Principal Register in accordance with the provisions of section 2(f) of the act of July 5, 1946, of the representation of a stocking having a V-shaped pattern in the toe portion or vamp thereof, for use on hosiery.

It was held that the question involved in the present appeal is in all respects the same as that considered and decided in the appeal in applicant's copending application, decided of even date herewith.

EX PARTE MARCALUS MANUFACTURING CO., 173 Ms. D. 570. — USPQ —, November 29, 1951.

Assistant Commissioner Klinge denied a petition requesting that an application for renewal of the petitioner's Trade-Mark Registration No. 284,498, granted June 30, 1931, be accepted and filed, nunc pro tunc, as of September 30, 1951.

After noting that it appears from the reasons given in the petition that the application for renewal was not filed within the time permitted by statute, namely, on or before June 30, 1951, or on or before September 30, 1951, with the fee for late filing, through inadvertence, and after reproducing section 9 of the Trade-Mark Act of 1946, it was held that while the reasons given for failure to file the said application for renewal within the time required might be considered persuasive if the present application could be accepted within the discretion of the Commissioner, the matter of the filing of a renewal application is one controlled by the statute, as to which the Commissioner has no discretionary power

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 25, 1951

[VOL. 653. No. 4]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 551,838. The White Sea & Baltic Company P. & I, Danischewsky Ltd., London, England. Filed Mar. 12, 1948.



Applicant claims ownership of British Registration No. 558,102, dated Feb. 19, 1935.

For Crude Turpentine Rosins, Pine Tars, Vegetable Tars, Pine Tar Oils, Vegetable Pine Tar Oils, Pine Pitches, Vegetable Pitches, and Pine Oils.

Ser. No. 558,597. San Antonio Drug Company, San Antonio, Tex. Filed June 5, 1948. (Classified in Class 51.) (Sec. 2f.)

CERT-⊕-FIED

Applicant claims ownership of Registrations Nos. 127,127 and 148,250.

For Various Drugs, Chemicals, and Pharmaceutical Preparations—Namely, Aceite Arreyano, Alum, Balme Tranquille, Balsam Copaiba, Bay Rum, Bismuth Subnitrate, Blue Vitriol, Borax, Boric Acid, Calomel, Camphorated Oil, Carbolic Acid, Cascara Sagrada, Castor Oil, Prepared Chalk, Chamomile Flowers, Chloroform, Citronella, Copperas, Cottonseed Oil, Cream of Tartar, Epsom Salts, Essence of Peppermint, Essence of Toronjil, Flaxseed, Flowers of Sulfur, Formaldehyde, Glycerine, Gum Spirits Turpentine, Lavender Flowers, Mineral Oil for Medicinal Purposes, Nux Vomica, Olive Oil for Medicinal Purposes, Oxalic Acid, Paregoric, Potassium Permanganate, Pumice for Medicinal Purposes, Rose Leaves, Rosemary Leaves, Salicylic Acid, Saltpeter, Sassafras Bark, Senna Leaves, Sodium Bicarbonate, Spirits of Ammonia Aromatic, Spirits of Camphor, Spirits of Peppermint, Spirits of Turpentine, Sweet Spirit of Niter, Tincture of Iodine, and Witch Hazel.

Claims use since Sept. 1, 1928.

Ser. No. 563,599. Binkley Coal Company, Chicago, Ill. Filed Aug. 17, 1948.

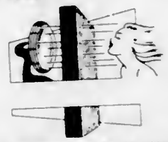


The drawing is lined for shading. The word "Glow" is disclaimed.

For Coal.

Claims use since Apr. 5, 1939.

Ser. No. 582,016. Blockson & Company, Michigan City, Ind. Filed July 15, 1949.



The representation of the goods is disclaimed.

For Loose Curled Hair, Woven or Interlaced Curled Hair, and Rubberized Curled Hair Sold in Bulk for Use in Filling Upholstery.

Claims use since May 31, 1949.

Ser. No. 584,605. Armour and Company, doing business under the trade style Armour Leather Company, Chicago, Ill., and Sheboygan, Wis. Filed Sept. 9, 1949.

GLOSSMOOR

For Upper Leather.

Claims use since Feb. 1, 1949.

Ser. No. 596,021. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed Apr. 20, 1950.

HITEX

For Soybean Oil Meal for Non-Food Industrial Uses.

Claims use since Mar. 31, 1950.

605,736. Gaybird Limited, Prestwood, Great Missenden, England. Filed Nov. 1, 1950.

GAYBIRD

Applicant claims ownership of British Registration No. 524,740, dated July 31, 1931.

For Eggs, Game, and Poultry, All for Breeding Purposes.

Ser. No. 610,377. New England Carnation Growers Association, Inc., South Sudbury, Mass. Filed Feb. 21, 1951. COLLECTIVE MARK. (Sec. 2f.)



For Carnations.

Claims use since August 1931.

Ser. No. 610,817. J. Eisenberg, Inc., New York, N. Y. Filed Feb. 28, 1951.

ETTRI - FIBRIZED

The word "Fibrized" is disclaimed.
For Reprocessed Wool, Rayon, Silk, Cotton, and Other Fibres Sold in Bulk, Batt, and Sheet Form.
Claims use since Feb. 7, 1951.

Ser. No. 610,924. Reliable Coal and Mining Co., Chicago, Ill. Filed Mar. 6, 1951.

BLACK DOG

For Coal.
Claims use since June 1, 1929.

Ser. No. 610,925. Reliable Coal and Mining Co., Chicago, Ill. Filed Mar. 6, 1951.

ANVIL

For Coal.
Claims use since July 13, 1929.

Ser. No. 610,964. The Goodyear Tire & Rubber Company, Akron, Ohio. Filed Mar. 7, 1951.

NEOLITE

For Material Composed of an Elastomer and a Resin in the Form of Sheets or Slabs for Use in the Manufacture of Luggage, Hand Bags, Brief Cases, and the Like.
Claims use since Jan. 22, 1946.

Ser. No. 611,646. Harry and David, Medford, Oreg. Filed Mar. 22, 1951.

OREGLADS

For Plant Bulbs.
Claims use since Jan. 15, 1951.

Ser. No. 611,782. Willard Helburn, Inc., Peabody, Mass. Filed Mar. 26, 1951.

PLIVER

For Leather.
Claims use since Jan. 1, 1940.

Ser. No. 612,693. J. M. Huber Corporation, Red Bank, N. J., and New York, N. Y. Filed Apr. 16, 1951.

HYDRASPERSE

For Clay.
Claims use since Jan. 22, 1951.

Ser. No. 612,841. Atlas Supply Company, Newark, N. J. Filed Apr. 19, 1951.

ATLAS

Applicant claims ownership of Registration No. 527,850.
For Cellulose Sponges.
Claims use since Feb. 12, 1951.

Ser. No. 613,364. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed May 1, 1951.

TEFLON

Applicant claims ownership of Registration No. 418,698.
For Single Ply Polytetrafluoroethylene Coated or Impregnated Glass Fabrics and Laminates Thereof in Wide or Narrow Rolls (Tapes) or in Sheets, for Use Generally in the Industrial Arts Where High Resistance to Chemicals or Solvents, or to High or Low Temperatures, or High Anti-Adhesive, or High Anti-Friction Properties, Are Desired.
Claims use since Jan. 4, 1950.

Ser. No. 613,914. J. M. Huber Corporation, Red Bank, N. J., and New York, N. Y. Filed May 16, 1951.

KAOCAL

For Clay.
Claims use since May 9, 1951.

Ser. No. 613,949. Izaak Walton League of America, Inc., Chicago, Ill. Filed May 16, 1951.



For Grass Seed in Packets.
Claims use since Nov. 28, 1949.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 606,317. The Ohio Leather and Horse Goods Company, Cleveland, Ohio. Filed Nov. 13, 1950.

TANBARK

For Horse Boots, Horse Saddles, Horse Blankets, and Racing Harness and Show Harness.
Claims use since June 1, 1946.

Ser. No. 613,026. A. J. Siris Products Corp., New York, N. Y. Filed Apr. 23, 1951.

Betty Lou

For Wallets, Utility Bags, and Cosmetic Bags.
Claims use since February 1943.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 569,640. Raybestos-Manhattan, Inc., Passaic, N. J. Filed Nov. 30, 1948.

MOLDISC

The word "Disc" is disclaimed.
For Abrasive Wheels.
Claims use since Nov. 15, 1948.

Ser. No. 588,542. American Stores Company, Philadelphia, Pa. Filed Nov. 30, 1949. (Sec. 2f.)

SPEEDUP

Applicant claims ownership of Registration No. 351,756.
For Floor Wax.
Claims use since Mar. 30, 1940.

Ser. No. 589,237. D. S. Appell, Columbus, Ohio. Filed Dec. 13, 1949.

Australian Wax

The word "Wax" is disclaimed. Applicant claims ownership of Registrations Nos. 265,131 and 265,997.
For Cleaning and Polishing Preparation for Use on Automobiles, Furniture, and Upon All Painted, Varnished, and Lacquered Surfaces.
Claims use since Dec. 1, 1927.

Ser. No. 600,571. Connecticut Chemical Research Corp., Bridgeport, Conn. Filed July 13, 1950.

Spray Maid

The word "Spray" is disclaimed.
For Self-Polishing Wax for Use on Automobiles and Household Furniture.
Claims use since May 15, 1950.

Ser. No. 608,277. Walter G. Legge Company, Inc., New York, N. Y. Filed Jan. 2, 1951.

TRAFLECO

Applicant claims ownership of Registration No. 408,424.
For Slip-Resistant Floor Polish.
Claims use since Sept. 22, 1950.

CLASS 5

ADHESIVES

Ser. No. 586,869. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Oct. 26, 1949.

"FRIENDSHIP TREE"

For Pressure-Sensitive Adhesive Tape—Namely, Cellophane Tape.
Claims use since October 1949.

Ser. No. 586,870. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Oct. 26, 1949.



For Pressure-Sensitive Adhesive Tape—Namely, Cellophane Tape.
Claims use since October 1949.

Ser. No. 594,198. Coating Materials Laboratories, Inc., Belleville, N. J. Filed Mar. 18, 1950.

COMABOND

For Cement Preparation for Bonding or Laminating Purposes and Also Capable of Bonding Plastic Material, Masonite, or Paper to Wood as Well as Paper to Masonite.
Claims use since Nov. 14, 1949.

Ser. No. 602,376. A. B. Dick Company, Niles, Ill. Filed Aug. 18, 1950.



Applicant claims ownership of Registrations Nos. 356,553 and 352,367.
For Cements for General Use as Adhesive With Stencil Sheets and in Stencil Duplication.
Claims use since Mar. 9, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 544,023. Allied Raw Materials Company, Inc., New York, N. Y. Filed Dec. 11, 1947.

ARAMA

Applicant claims ownership of Registrations Nos. 513,074 and 520,169.
For Vegetable Waxes—Namely, Carnauba Wax, Oricouri Wax and Candelilla Wax; Synthetic Waxes for Industrial Purposes; Synthetic Resinous Plastic Materials in the Form of Powder, Granules, Emulsions, Solutions for Use in the Industrial Arts.
Claims use since Oct. 1, 1946.

Ser. No. 558,597. San Antonio Drug Company, San Antonio, Tex. Filed June 5, 1948. (Classified in Class 51.) (Sec. 2f.)

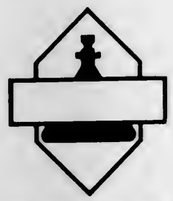
CERT-O-FIED

Applicant claims ownership of Registrations Nos. 127,127 and 148,250.
For Various Drugs, Chemicals, and Pharmaceutical Preparations—Namely, Aceite Arreyano, Alum, Balme Tranquille, Balsam Copaiba, Bay Rum, Bismuth Subnitrate, Blue Vitriol, Borax, Boric Acid, Calomel, Camphorated Oil, Carbolic Acid, Cascara Sagrada, Castor Oil, Prepared Chalk, Chamomile Flowers, Chloroform,

Citronella, Copperas, Cottonseed Oil, Cream of Tartar, Epsom Salts, Essence of Peppermint, Essence of Toronjil, Flaxseed, Flowers of Sulfur, Formaldehyde, Glycerine, Gum Spirits Turpentine, Lavender Flowers, Mineral Oil for Medicinal Purposes, Nux Vomica, Olive Oil for Medicinal Purposes, Oxalic Acid, Paregoric, Potassium Permanganate, Pumice for Medicinal Purposes, Rose Leaves, Rosemary Leaves, Salicylic Acid, Saltpeter, Sassafras Bark, Senna Leaves, Sodium Bicarbonate, Spirits of Ammonia Aromatic, Spirits of Camphor, Spirits of Peppermint, Spirits of Turpentine, Sweet Spirit of Niter, Tincture of Iodine, and Witch Hazel.

Claims use since Sept. 1, 1928.

Ser. No. 575,778. Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Filed Mar. 21, 1949.



Applicant claims ownership of Registrations Nos. 412,974 and 414,447.

For Dibutyl Phthalate; and Metal Salts of Sulfonic Acids, Metal Salts of Alkyl Phenols, Oil Soluble Organic Hydroxy Compounds, Sulfur Compounds, Nitrogen and Phosphorus Compounds Useful as Components of Lubricating Oils—Namely, Blending and Compounding Agents, Concentrates, and Additives.

Claims use since Oct. 13, 1943.

Ser. No. 575,779. Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Filed Mar. 21, 1949.

ORONITE

Applicant claims ownership of Registrations Nos. 156,430, 257,899, 405,188, and 414,447.

For Dibutyl Phthalate; and Metal Salts of Sulfonic Acids, Metal Salts of Alkyl Phenols, Oil Soluble Organic Hydroxy Compounds, Sulfur Compounds, Nitrogen and Phosphorus Compounds Useful as Components of Lubricating Oils—Namely, Blending and Compounding Agents, Concentrates, and Additives.

Claims use since June 16, 1943.

Ser. No. 575,780. Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Filed Mar. 21, 1949.



The words "Chemical Company" are disclaimed. Applicant claims ownership of Registrations Nos. 156,430, 257,899, and others.

For Dibutyl Phthalate; and Metal Salts of Sulfonic Acids, Metal Salts of Alkyl Phenols, Oil Soluble Organic Hydroxy Compounds, Sulfur Compounds, Nitrogen and Phosphorus Compounds Useful as Components of Lubricating Oils—Namely, Blending and Compounding Agents, Concentrates, and Additives.

Claims use since Oct. 13, 1943.

Ser. No. 576,900. The R. J. Brown Company, St. Louis, Mo. Filed Apr. 11, 1949.



The words "Solvents," "Time" and "Test Proven" are disclaimed. Applicant claims ownership of Registration Nos. 158,906 and 399,598.

For Naphtha.

Claims use since Jan. 1, 1947.

Ser. No. 593,294. John A. Sewell, doing business as Norwood Laboratories, Chicago, Ill. Filed Mar. 2, 1950.



For Chemical Preparations for Destroying Moths, Larvae, Moth Eggs, and Carpet Beetles.

Claims use since Feb. 7, 1950.

Ser. No. 596,893. Alco Oil and Chemical Corp., Philadelphia, Pa. Filed May 5, 1950.

VULCARITE

For Aqueous Dispersions of Chemicals Required in Compounding Latices of Rubber-Like Polymers, Both Natural and Synthetic, and Containing Compounding Ingredients Commonly Referred to in Rubber Latex Compounding Practice as Vulcanizing Agents, Accelerators, Activators, Extenders, Plasticizers, Stiffeners, Coagulants, Foaming Agents, Antioxidants, Copper Inhibitors, Colorants, Reodorants, Tackifiers, and the Like.

Claims use since Feb. 24, 1950.

Ser. No. 600,816. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed July 18, 1950.

BILAMIDE-CILAG

Applicant claims ownership of Swiss Registration No. 129,278, dated May 30, 1949.

For Disinfectants, Insecticides, Fungicides, Mothproofing Preparations, Plant Protecting Preparations, Dyes, Dyeing Assistants, Textile Treating Preparations, Artificial Tanning Agents.

Ser. No. 600,818. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed July 18, 1950.



Applicant claims ownership of Swiss Registration No. 114,141, dated Feb. 14, 1946.

For Disinfectants, Insecticides, Fungicides, Mothproofing Preparations, Plant Protecting Preparations, Dyes, Dyeing Assistants, Textile Treating Preparations, Artificial Tanning Agents.

Ser. No. 602,351. Wargöns Aktiebolag, Vargon, Sweden. Filed Aug. 17, 1950.

WARGOTAN

Applicant claims ownership of Swedish Registration No. 67,887, dated Mar. 10, 1950.

For Chemical Products Produced From Waste Sulphite Liquor and Consisting Wholly or Partially of Lignin Compounds.

Ser. No. 603,210. Synthetic & Industrial Finishes Limited, Watford, England. Filed Sept. 6, 1950.

THERMINDEX

Applicant claims ownership of British Registration No. B. 651,749, dated Sept. 17, 1946.

For Chemical Preparation Which, When Brushed or Sprayed on Surfaces, Changes Colour on Change in Temperature of the Surface.

Ser. No. 603,637. Meypro Ltd., Weinfelden, Switzerland. Filed Sept. 16, 1950.

ALKAGUM

Applicant claims ownership of Swiss Registration No. 133,229, dated Mar. 22, 1950.

For Chemical Auxiliary Products for the Textile Industry—Namely, Thickening Substances, Dressing and Sizing Agents.

Claims use since January 1950 in Switzerland; and since Feb. 27, 1950, in commerce between foreign nations and the United States.

Ser. No. 605,393. Alrose Chemical Company, Cranston, R. I. Filed Oct. 25, 1950.

ALRODYNE

Applicant claims ownership of Registrations Nos. 378,512, 378,513, and others.

For Emulsifying Agents and Surface Active Agents More Particularly of the Nonionic Type for Agricultural Sprays.

Claims use since May 11, 1950.

Ser. No. 605,397. Alrose Chemical Company, Cranston, R. I. Filed Oct. 25, 1950.

ALROSPERSE

Applicant claims ownership of Registrations Nos. 378,512, 378,513, and others.

For Surface Active Agents More Particularly of the Alkyl Aryl Sulfonate Type and Possessing Dispersing, Wetting, Rewetting, and Emulsifying Properties.

Claims use since Oct. 2, 1950.

Ser. No. 607,261. Petrolane Gas Company, Inc., New Orleans, La. Filed Dec. 4, 1950. CONCURRENT USE with Serial No. 607,262 for the area comprising the States of Louisiana, Arkansas, Tennessee, Mississippi, Alabama, Georgia, and Florida.

PETROLANE

For Liquified Gas for General Purposes.

Claims use since Apr. 1, 1936.

Ser. No. 610,206. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Feb. 17, 1951. (Sec. 2f.)

EASTMAN

Applicant claims ownership of Registrations Nos. 67,012, 290,078, and 513,160.

For Organic Chemicals—Namely, Acetals, Acid Anhydrides, Alcohols Except Potable Ethyl Alcohol, Aldehydes, Alkaloids, Amides, Amines or Nitrogen Bases, Amino Acids, Azo Compounds, Carbohydrates, Carboxylic Acids, Carboxylic Acid Halides, Cellulose Esters, Cellulose Ethers, Dyes, Esters, Ethers, Halogenated Hydrocarbons, Halohydrins, Heterocyclic Compounds, Hydrazines, Hydrocarbons, Ketenes, Ketones, Lactones, Mercaptans, Metal Alkyls, Metal Aryls, Naphthols, Nitriles, Nitro and Nitroso Compounds, Ortho-Esters, Oximes, Phenols, Proteins, Purines, Quaternary Ammonium Compounds, Quinones, Sulfides, Sulfones, Sulfonic Acids, and Sulfonic Acid Halides; and for Inorganic Chemicals—Namely, Sulfates of Manganese, Ammonium and/or Magnesium, Iron Oxides, and Zinc Thiocyanate.

Claims use since 1884.

Ser. No. 611,418. Fungitrol Chemicals Incorporated, Hillside, N. J. Filed Mar. 16, 1951.

Cona-one

For Economic Poisons Composition for Preserving Wood, Fabric, and Rope Against Decay, Mold, and Mildew and Protecting Them From Attack by Termites, Lyctus Beetles, and Certain Other Wood Destroying Insects.

Claims use since Sept. 29, 1950.

Ser. No. 613,129. Hercules Powder Company, Wilmington, Del. Filed Apr. 25, 1951.

PARACOL

Applicant claims ownership of Registration No. 305,363.

For Colloidal Wax and/or Colloidal Wax-Resin Sizing and Finishing Material.

Claims use since Aug. 14, 1939.

Ser. No. 613,166. Flamo Gas Company, Billings, Mont. Filed Apr. 26, 1951.

MIRACLE

For Butane and Propane Gas.

Claims use since Mar. 19, 1951.

Ser. No. 613,359. The Baker Castor Oil Company, Jersey City, N. J. Filed May 1, 1951.

HYDRICIN

For Ricinoleic Acid Derivatives and Blends Containing Same Which Are Used as and in Hydraulic Fluids.

Claims use since February 1951.

Ser. No. 613,379. Niagara Alkali Company, Niagara Falls, N. Y. Filed May 1, 1951.

Niaik

Applicant claims ownership of Registration No. 400,175.

For Chlorine, Caustic Soda, Caustic Potash, Carbonate of Potash, Paradichlorobenzene, and Trichlorethylene.

Claims use since Sept. 11, 1942.

Ser. No. 613,400. Darling & Company, Chicago, Ill. Filed May 2, 1951.

DAR-HY

For Fatty Acids Produced From Hydrogenated Fats and/or Oils.
Claims use since Jan. 17, 1951.

Ser. No. 613,477. Robinson-Wagner Co., Inc., New York, N. Y. Filed May 3, 1951.

LANOCHOL

For Mixture of Liquid Lanolin Alcohols.
Claims use since July 6, 1946.

Ser. No. 613,541. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELAVYL

For Chemical Compositions—Namely, Polyvinylpyrrolidone in Liquid and Powder Form.
Claims use since Oct. 2, 1950.

Ser. No. 613,545. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELADOL

For Chemical Compositions—Namely, Iodinated Polyethyleneoxidearyl Condensate With Excess Iodine in Liquid and Solid Form.
Claims use since Oct. 2, 1950.

Ser. No. 613,547. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELADYNE

For Chemical Compositions—Namely, Polyvinylpyrrolidone Iodinate With Excess Iodine in Liquid and Powder Form.
Claims use since Oct. 2, 1950.

Ser. No. 613,666. Barfair Laboratories, Inc., City Island, N. Y. Filed May 9, 1951.

BARFAIR

For Liquid Rot and Mildew Proofer for Sails, Boat Covers, Yacht Lines, Deck Chairs, Awnings, and Other Materials.
Claims use since 1945.

Ser. No. 613,891. Alco Oil and Chemical Corp., Philadelphia, Pa. Filed May 16, 1951.

VULCACURE

For Chemicals Used for Accelerating the Vulcanization of Rubber and Vulcanizable Resins by Means of Sulfur, Which Are Sold Commercially in the Form of (1) Aqueous Dispersions for Use in Compounding Rubber and/or Resin Latices, and (2) Dry Powders for Use in Compounding Dry Rubber and/or Resin.
Claims use since Mar. 29, 1951.

Ser. No. 614,368. Stalfort Pressure-Pak, Inc., Baltimore, Md. Filed May 25, 1951.

SANISECT

For Aerosol Insecticide Spray.
Claims use since Aug. 1, 1950.

Ser. No. 614,589. Virginia Smelting Company, West Norfolk, Va. Filed May 31, 1951.

SILAGAS

For Liquid Sulfur Dioxide.
Claims use since May 1, 1951.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 610,788. The High Standard Manufacturing Corporation, Hamden, Conn. Filed Mar. 3, 1951.

OLYMPIC

For Pistols and Parts Thereof.
Claims use since Oct. 14, 1949.

CLASS 10

FERTILIZERS

Ser. No. 602,874. Allied Chemical & Dye Corporation, New York, N. Y. Filed Aug. 29, 1950. (Sec. 2f as to "Barrett.")

Barrett

Applicant claims ownership of Registrations Nos. 355,104, 402,826, and 511,713.
For Fertilizers and Ingredients of Fertilizers.
Claims use since July 1949 in the identical form shown; and since 1941 as to the mark in substantially the same form shown.

Ser. No. 607,077. H. E. Fletcher Co., West Chelmsford, Mass. Filed Nov. 29, 1950.

GRAN-ITS

For Potassium-Bearing Soil Amender for Use as Tobacco Soil Enrichment.
Claims use since Sept. 14, 1950.

Ser. No. 614,563. Mock Seed Company, Pittsburgh, Pa. Filed May 31, 1951.



The words "Mock's" and "Superturf" are disclaimed. The drawing is lined for green.
For Lawn Fertilizer.
Claims use since Aug. 15, 1950.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 580,852. Francis Morton (Spring Floors) Ltd., Middlesex, England. Filed June 21, 1949.

VALTOR

Applicant claims ownership of British Registration No. 273,970, dated June 29, 1905.
For Spring Floors—Namely, Wooden Floors and Steel Springs Which Are Used Between the Joists and Flooring To Provide a Resilient Floor.

Ser. No. 581,930. The B. & T. Metals Company, Columbus, Ohio. Filed July 14, 1949. (Sec. 2f.)

CHROMEDGE

Applicant claims ownership of Registration No. 353,083.
For Metal Trims—Namely, Stair Tread Nosings, Counter Nosings, and Sink and Drainboard Nosings; Edgings and Bindings for Walls, Floors, Counters, and Drainboards; Cap Trims for Walls, Floors, Counters, and Drainboards; and Insert Trims for Walls, Floors, Counters, and Drainboards, All of Said Trims Being Used for the Purpose of Securing, Protecting, and Decorating the Exposed Edges of Linoleum or Plastic Coverings for Walls, Floors, Counters, and Drainboards; Wall, Floor, Counter, and Drainboard Trims Having Grooves Containing Colored Linoleum or Plastic Strips; Corner and Cove Moldings; and Sink Well Frames.
Claims use since May 1, 1936.

Ser. No. 588,057. United States Plywood Corporation, New York, N. Y. Filed Nov. 18, 1949.

LUMITEX

For Laminated Product of Wood, or Plywood and Metal, or Metal Foil for General Contracting, Construction, and Fabrication.
Claims use since Aug. 15, 1949.

Ser. No. 590,785. Selectile Company, Inc., West Los Angeles, Calif. Filed Jan. 10, 1950.

ANGELENO

For Ceramic Floor and Wall Tile.
Claims use since Nov. 21, 1949.

Ser. No. 591,568. Gladding, McBean & Co., Los Angeles, Calif. Filed Jan. 27, 1950.

DIANOND REED

For Ceramic Wall Tile.
Claims use since Nov. 21, 1949.

Ser. No. 600,295. Lorimer Paint Works, Inc., Brooklyn, N. Y. Filed July 6, 1950. (Sec. 2f.)

E-Z Working

The words "A Superior Quality" are disclaimed.
For Putties of Various Grades, Such as White Lead Putty, Pure Linseed Oil Putty, and Putties for Steel, Aluminum, and Other Metal Sash.
Claims use since 1934.

Ser. No. 600,297. McMath-Axilrod Corporation, Dallas, Tex. Filed July 6, 1950.

McAX

For Porcelain Coated Metal Sheets and Plates for Building Interiors and Exteriors—Namely, Toilet Partitions, Shower Stalls, Wainscoting, Ceilings and Walls.
Claims use since Jan. 1, 1946.

Ser. No. 602,426. South Bend Lathe Works, South Bend, Ind. Filed Aug. 18, 1950.

SOUTH BEND SOLOMASTER

The words "South Bend" are disclaimed.
For Antenna Support Towers.
Claims use since Aug. 8, 1950.

Ser. No. 605,784. Douglas Fir Plywood Association, Tacoma, Wash. Filed Nov. 2, 1950. COLLECTIVE MARK. (Sec. 2f.)

HUTMENT

Applicant claims ownership of Registration No. 405,729.
For Plywood.
Claims use since Nov. 18, 1942.

Ser. No. 608,362. Laclede-Christy Company, Chicago, Ill. Filed Jan. 4, 1951.

STEEL CAST

The word "Cast" is disclaimed.
For Castable Refractory.
Claims use since May 10, 1950.

Ser. No. 611,125. Bird & Son, Inc., East Walpole, Mass. Filed Mar. 10, 1951.

TECTONSTONE

Applicant claims ownership of Registration No. 538,538.
For Ornamental Stone-Appearing Insulated Siding.
Claims use since June 2, 1949.

Ser. No. 613,064. Globe Roofing Products Co., Inc., Whiting, Ind. Filed Apr. 24, 1951.

WINDlok

For Mineral-Surfaced Asphalt Saturated Felt Shingles for Roofing and Siding.
Claims use since Sept. 22, 1949.

Ser. No. 613,148. United States Gypsum Company, Chicago, Ill. Filed Apr. 25, 1951. (Sec. 2f.)

GRIP-LOCK

For Asphalt Shingles.
Claims use since May 1931.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 568,791. Jesse Harr Company, Orange, N. J. Filed Nov. 15, 1948.



For Beverage Dispensers, Sold as a Unit—Namely, Beverage Dispensing Mixing Valves, Self Closing Faucets, and Syrup Containers.
Claims use since Oct. 1, 1948.

Ser. No. 571,778. Arkwright Merchandising Corporation, New York, N. Y., assignor to Arkwright Incorporated, New York, N. Y., a corporation of New York. Filed Jan. 7, 1949.

PACEMAKER

For Base Metal Shoe Racks, Base Metal Tie and Clothes Hangers Designed To Be Affixed to the Walls, and Base Metal Toilet Paper Holders.
Claims use since Nov. 15, 1948.

Ser. No. 595,716. Everlast Metal Products Corp., New York, N. Y. Filed Apr. 14, 1950.



The words "Aluminum" and "Sterling" are disclaimed. Applicant claims ownership of Registrations Nos. 386,377, 386,378, and 386,935.
For Base Metal Sugar Bowls, Cream Pitchers, Water Pitchers, Serving Trays, Dishes, and Dish Bases.
Claims use since January 1950.

Ser. No. 598,399. Waldes Kohinoor, Inc., Long Island City, N. Y. Filed May 31, 1950.

BANTAM-ZIP

The word "Zip" is disclaimed.
For Slide Fasteners and Parts Thereof—Namely, Sliders, Top Stops, Bottom Stops, and Separators.
Claims use since May 1, 1950.

Ser. No. 600,397. Snap-Tite, Inc., Cleveland, Ohio. Filed July 8, 1950. (Sec. 2f.)

Snap-Tite

Applicant claims ownership of Registration No. 339,122.
For Couplings Having Male and Female Coupling Members for Making Quick Connections in Flexible Lines.
Claims use since June 15, 1935.

Ser. No. 602,027. Thomas P. Duncan, Jr., doing business as Silhouette, Newport News, Va. Filed Aug. 10, 1950.

SILHOUETTE

For Vases, Bowls, and Goblets Made of Metal.
Claims use since Aug. 2, 1950.

Ser. No. 604,567. Vern Collins, Salem, Oreg. Filed Oct. 7, 1950.

PERM - O - JOINT

The word "Joint" is disclaimed.
For Lead and Brass Stubs Used in Connecting a Lead Pipe Onto a Flange Brass Fitting.
Claims use since July 1, 1950.

Ser. No. 605,267. Pullman-Standard Car Manufacturing Company, Chicago, Ill. Filed Oct. 21, 1950. (Sec. 2f as to "Pullman-Standard.")



The words "Built By" and "Car Manufacturing Co." are disclaimed. Applicant claims ownership of Registration No. 243,990.
For Check Chain Hooks, Trapdoor Latches, Vestibule Door Latches, Door Open Holders, Sash Latches, Sash Latch Springs, Sash Stops, Sash Parting Stops; Railway Car Table Hardware—Namely, Hooks, Support Plates Therefor, and Hinges; Washroom Fixtures—Namely, Racks Affixed to a Wall or the Like for Holding Towels and Purses; Railway Car Berth Hardware—Namely, Sheaves, Chains and Hold-Down Latches; Curtain Rods; Plumbing Fixtures—Namely, Folding Washstands, Enclosed Hoppers, Combination Enclosed Hopper, Folding Washbasin and Medicine Cabinets, Washstand Shelves, Faucets, Stainless Steel Hoppers and Fittings Therefor, Drain Cocks, Five-Way Valves; Railway Mail Car Equipment—Namely, Mail Bag Catchers, Mail Bag Supports Comprising Metal Rack Frames, Pedestals, and Hooks, and Label Holders for Letter Cases and Mail Bag Racks; Cabinet Hardware—Namely, Small Latches, Hinges, Ice Box Hinges, and Refrigerator Latches; and Metal Cuspidors.
Claims use since Oct. 8, 1946, on the mark as shown; and since Dec. 26, 1934, on the words "Pullman-Standard."

Ser. No. 605,421. Illinois Tool Works, Chicago, Ill. Filed Oct. 25, 1950.

LOKUTS

For Lock Nuts.
Claims use since Oct. 11, 1950.

Ser. No. 608,990. Heli-Coil Corporation, Long Island City, N. Y. Filed Jan. 19, 1951.



The representation of the wire coil is disclaimed.
For Screw Connections and Parts of Screw Connections—Namely, Screws, Bolts, Studs, Nuts, Thread Inserts, and Thread Bushings.
Claims use since Feb. 1, 1950.

Ser. No. 612,317. Electric Steel Foundry, Portland, Oreg. Filed Apr. 6, 1951.

LONGBOWL

For Non-Electric Cable Fittings—Namely, Socket and Wedge Assemblies Employed in Drag, Dump, and Hoist Line Rigging.
Claims use since May 26, 1949.

Ser. No. 613,464. Key Company, East St. Louis, Ill. Filed May 3, 1951. (Sec. 2f.)

KEY

Applicant claims ownership of Registrations Nos. 262,790, 141,584, and 267,788.
For Tube Connectors Including Return Bend Fittings, Terminal Fittings, Corner Fittings, T Fittings, Elbow Fittings, of Steel Designed for High Pressures and Temperatures and Adapted for Petroleum Refineries and Chemical Reactors.
Claims use since May 1927.

Ser. No. 613,520. Nichols Wire & Aluminum Co., Davenport, Iowa. Filed May 4, 1951.

File-Grip

The word "Grip" is disclaimed.
For Nails.
Claims use since July 10, 1950.

Ser. No. 614,255. Kewaskum Utensil Company, Kewaskum, Wis., now by change of name Regal Ware, Inc., a corporation of Wisconsin. Filed May 23, 1951.

Wonder Ware

The word "Ware" is disclaimed.
For Aluminum Sauce Pans and Cooking Pots and Fryers.
Claims use since Sept. 10, 1949.

Ser. No. 614,510. The Palnut Company, Irvington, N. J. Filed May 29, 1951.

PALNUT

Applicant claims ownership of Registrations Nos. 280,251, 280,261, and 340,210.
For Metal Fastening Devices—Namely, Nuts and Bolts, Nuts, Nut Locks, Electrical Shield Can Fasteners, Electrical Coil Tube Clips or Fasteners, Electrical Coil Tube Caps, and Clamps for Ignition Harness.
Claims use since 1928.

Ser. No. 615,026. The Safety Car Heating and Lighting Company, Inc., New York, N. Y. Filed June 11, 1951.



Applicant claims ownership of Registrations Nos. 174,453, 262,969, and others.
For Plumbing, Steamfitting, Gas Fitting, and Air and Gas Valves, and Regulator Valves.
Claims use since August 1920.

Ser. No. 615,377. Flex-O-Glass, Inc., Chicago, Ill. Filed June 19, 1951. (Sec. 2f.)

WARP'S

Applicant claims ownership of Registration No. 422,119.
For Netting and Screening Materials in the Nature of Screen Cloth Composed of Filaments of Natural and Artificial Resins and Plastics.
Claims use since Jan. 11, 1943.

CLASS 15

OILS AND GREASES

Ser. No. 542,492. United Petroleum Corporation, Omaha, Nebr. Filed Nov. 26, 1947.

PICKER-LUBE

The words "Picker-Lube" are disclaimed.
For Lubricating Grease.
Claims use since Aug. 1, 1946.

Ser. No. 613,250. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ACYLKUP

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 9, 1948.

Ser. No. 613,254. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ALASTAC

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 12, 1948.

Ser. No. 613,255. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ALLWICK

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 8, 1948.

Ser. No. 613,256. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ALPYRON

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 12, 1948.

Ser. No. 613,257. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ALZAC

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil and Greases.
Claims use since Jan. 8, 1948.

Ser. No. 613,258. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
AMBROKUP

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 2, 1948.

Ser. No. 613,260. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ANORUSTOL

Applicant claims ownership of Registrations Nos. 197,753, 200,719, and others.
For Lubricating Oil and Grease.
Claims use since Feb. 5, 1948.

Ser. No. 613,262. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
AREDDEX

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil and Greases.
Claims use since Jan. 6, 1948.

Ser. No. 613,263. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
AROBLOK

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 16, 1948.

Ser. No. 613,265. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ARVELLA

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil and Greases.
Claims use since Jan. 16, 1948.

Ser. No. 613,266. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ATLINE

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil and Greases.
Claims use since Jan. 13, 1948.

Ser. No. 613,267. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
ATURBRIO

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil.
Claims use since Jan. 20, 1948.

Ser. No. 613,268. Tide Water Associated Oil Company, New York, N. Y. Filed Apr. 27, 1951.

TYCOL
AVALON

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil and Greases.
Claims use since Jan. 6, 1948.

Ser. No. 613,507. Fleet-Wing Corporation, Cleveland, Ohio. Filed May 4, 1951. (Sec. 2f.)

Piston Seal

For Motor Lubricating Oil.
Claims use since Feb. 22, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 574,451. National Automotive Parts Association, Detroit, Mich. Filed Feb. 24, 1949. COLLECTIVE MARK.

N·A·P·A

Applicant claims ownership of Registration No. 211,037.
For Automobile Coatings—Namely, Paints, Varnishes, Lacquers, Enamels; Thinners and Reducers, and Paint Primers.
Claims use since August 1925.

Ser. No. 576,528. Martin B. Duffy, doing business as The M. B. Duffy Company, Chicago, Ill. Filed Apr. 2, 1949.

RAMCOTE

The word "Cote" is disclaimed.
For Pore Sealers for Leather, Plastic Upholstery, and Imitation Leathers, and Flexible Finish Coating Lacquers for Said Surfaces.
Claims use since May 27, 1947.

Ser. No. 579,275. The Glidden Company, Cleveland, Ohio. Filed May 21, 1949. (Sec. 2f.)

Glidden

Applicant claims ownership of Registrations Nos. 134,658 and 206,022.
For Marine, House, Roof, Aluminum, Metal, Maintenance, Industrial, Graphic Arts, and Implement Paints, Both Exterior and Interior, and in Ready-Mixed, Paste, or Powder Form; Varnishes; Lacquers; Paint Enamels.
Claims use since 1870.

Ser. No. 579,277. The Glidden Company, Cleveland, Ohio. Filed May 21, 1949. (Sec. 2f.)

Wilhelm

Applicant claims ownership of Registrations Nos. 116,811 and 114,604.
For Marine, House, Roof, Aluminum, Metal, Maintenance, Industrial, Graphic Arts, and Implement Paints, Both Exterior and Interior, and in Ready-Mixed, Paste, or Powder Form; Varnishes; Lacquers; Paint Enamels.
Claims use since 1857.

Ser. No. 590,990. Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Filed Jan. 17, 1950.

RED SPOT
Satinall

Applicant claims ownership of Registrations Nos. 312,099, 210,432, and others.
For Wall Paint.
Claims use since Dec. 29, 1949.

Ser. No. 591,786. H. B. Fred Kuhls, Brooklyn, N. Y. Filed Feb. 1, 1950. (Sec. 2f.)

KUHLS

For Marine Paints.
Claims use since 1890.

Ser. No. 595,539. The Foy Paint Company, Inc., Cincinnati, Ohio. Filed Apr. 11, 1950. (Sec. 2f.)

Foy

Applicant claims ownership of Registrations Nos. 419,266 and 143,006.
For Ready Mixed Exterior and Interior Paints, Interior and Exterior Paint in Paste Form, Paint Enamels, Varnishes, Wood Stains, Lacquer, Bronzing Liquid, Paint Colors in Oil, and Paint Thinners.
Claims use since Dec. 1, 1944.

Ser. No. 599,596. The Sherwin-Williams Company, Cleveland, Ohio. Filed June 22, 1950.

KEMCLAD

Applicant claims ownership of Registrations Nos. 289,218 and 275,775.
For Ready-Mixed Paints for Wood and Metal Surfaces; Paint Enamels; Undercoaters and Primers in the Nature of Paints.
Claims use since Mar. 20, 1947.

Ser. No. 600,320. The Barbour Company, St. Louis, Mo. Filed July 7, 1950.

PM

For Lacquer Consisting Essentially of Synthetic Resins and Their Solvents.
Claims use since June 19, 1950.

Ser. No. 602,286. Reckitt & Colman Limited, Hull, England. Filed Aug. 16, 1950.



Applicant claims ownership of British Registration No. 649,069, dated June 24, 1946.
For Pigments and Colors for Paints.

Ser. No. 602,513. Arthur C. Mangels Industries, Philadelphia, Pa. Filed Aug. 21, 1950.

FLEX-O-SEAL

The word "Seal" is disclaimed.
For Varnish-Type Wood Sealers.
Claims use since July 25, 1949.

Ser. No. 608,003. Hockaday, Inc., Chicago, Ill. Filed Dec. 22, 1950.

Budget

For Quick Drying Enamels, House Paint, and Flat Paint.
Claims use since 1935.

Ser. No. 611,941. Con-Cor Paint Company, Kansas City, Mo. Filed Mar. 29, 1951.

Con-Cor

For Clear, Water Repellant Masonry Coating Composition.
Claims use since Aug. 1, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 613,246. Stephano Brothers, Philadelphia, Pa. Filed Apr. 27, 1951.

JEAN NICOT

The trade-mark comprises the name of the well-known deceased French lexicographer and courtier.
For Cigarettes.
Claims use since Apr. 9, 1951.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 551,038. The Nestle Company, Inc., New York, N. Y., by change of name from Nestle's Milk Products, Inc. Filed Mar. 2, 1948. (Sec. 2f.)

NESTLÉ

Applicant claims ownership of Registrations Nos. 11,709 and 11,710.
For Preparation To Relieve Gastro-Intestinal Disorders.
Claims use since Jan. 7, 1948, as to the mark shown; and since 1868 as to the mark "Nestle."

Ser. No. 558,597. San Antonio Drug Company, San Antonio, Tex. Filed June 5, 1948. (Classified in Class 51.) (Sec. 2f.)

CERT-Ⓕ-FIED

Applicant claims ownership of Registrations Nos. 127,127 and 148,250.
For Various Drugs, Chemicals, and Pharmaceutical Preparations—Namely, Aceite Arreyano, Alum, Balme Tranquille, Balsam Copaiba, Bay Rum, Bismuth Subnitrate, Blue Vitriol, Borax, Boric Acid, Calomel, Camphorated Oil, Carbolic Acid, Cascara Sagrada, Castor Oil, Prepared Chalk, Chamomile Flowers, Chloroform, Citronella, Copperas, Cottonseed Oil, Cream of Tartar, Epsom Salts, Essence of Peppermint, Essence of Toronjil, Flaxseed, Flowers of Sulfur, Formaldehyde, Glycerine, Gum Spirits Turpentine, Lavender Flowers, Mineral Oil for Medicinal Purposes, Nux Vomica, Olive Oil for Medicinal Purposes, Oxalic Acid, Paregoric, Potassium Permanganate, Pumice for Medicinal Purposes, Rose Leaves, Rosemary Leaves, Salicylic Acid, Saltpeter, Sassafras Bark, Senna Leaves, Sodium Bicarbonate, Spirits of Ammonia Aromatic, Spirits of Camphor, Spirits of Peppermint, Spirits of Turpentine, Sweet Spirit of Niter, Tincture of Iodine, and Witch Hazel.
Claims use since Sept. 1, 1928.

Ser. No. 590,183. Schaffer-Lawrie Laboratories, Glendale, Calif. Filed Dec. 30, 1949.

Phylorinol

For Solution of Chlorophyl and Iodophenol Indicated in the Prevention of Dental Cavities of Bacterial Origin, and in Oral Prophylaxis.
Claims use since Dec. 2, 1949.

Ser. No. 594,295. William J. Starck, doing business as Blemarz Laboratories, South Bend, Ind. Filed Mar. 20, 1950.

BLEMARZ

Powder for Treating Athlete's Foot and Certain Other Foot Ailments and Certain Skin Infections.
Claims use since Feb. 1, 1948.

Ser. No. 595,012. Steel Pharmaceutical Co. Inc., New York, N. Y. Filed Mar. 31, 1950.

SPASMATONE

For Antispasmodic Sedative Tablets.
Claims use since March 1949.

Ser. No. 596,596. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

HEPTHIA

For Pharmaceutical Preparation Designed for Treatment of Pernicious Anemia and Other Deficiency States.
Claims use since Jan. 1, 1939.

Ser. No. 596,709. E. Bilhuber, Inc., Orange, N. J. Filed May 2, 1950.

QUADRODIDE

For Chemical Compound in Tablet Form Which Is Useful as an Anti-Asthmatic.
Claims use since Feb. 3, 1950.

Ser. No. 597,689. The Maltine Company, Morris Plains, N. J. Filed May 18, 1950.

PERITRATE

For Medicinal Preparation for Use in the Treatment of Coronary Artery Diseases.
Claims use since Apr. 28, 1950.

Ser. No. 598,037. Edward M. Quinn, doing business under the name and style of T & M Laboratories, San Francisco, Calif. Filed May 24, 1950.

NYSKIN

For Ointment for Athlete's Foot and Fungus Infections.
Claims use since May 10, 1939.

Ser. No. 598,494. Norgine Laboratories, Inc., New York, N. Y. Filed June 2, 1950.

Gamatran

For Antispasmodic or Spasmolytic Preparation.
Claims use since Feb. 23, 1950.

Ser. No. 601,926. Cyrus F. Ledford, doing business as Sina-Spray Company, Bristol, Tenn. Filed Aug. 8, 1950. The word "Spray" is disclaimed.

SINA SPRAY

For Medicinal Spray Intended To Soothe and Relieve the Distress of Nasal Congestion and Sinusitis.
Claims use since June 15, 1946.

Ser. No. 602,496. Commercial Solvents Corporation, New York, N. Y. Filed Aug. 21, 1950.

NEOBACIN

For Compositions Comprising the Antibiotics Neomycin and Bacitracin.
Claims use since Aug. 3, 1950.

Ser. No. 610,384. E. R. Squibb & Sons, New York, N. Y. Filed Feb. 21, 1951.

DICRYSTICIN

For Antibiotic-Containing Antibacterial Preparation.
Claims use since Jan. 17, 1951.

Ser. No. 611,289. The Maltine Company, Morris Plains, N. J. Filed Mar. 14, 1951.

HOMACELL

For Medicinal Preparation for the Treatment of Spastic Conditions of the Gastrointestinal Tract.
Claims use since Feb. 23, 1951.

Ser. No. 611,302. O'Connell Brothers, Inc., Overland and St. Louis, Mo. Filed Mar. 14, 1951.

UCEPLEX

For Vitamin Containing Iron Tablets.
Claims use since Dec. 20, 1950.

Ser. No. 611,373. Schering Corporation, Bloomfield, N. J. Filed Mar. 15, 1951.

TRIMETOSE

For Antihistaminic Compound Syrup.
Claims use since Jan. 4, 1951.

Ser. No. 611,564. Davies, Rose & Company, Limited, Boston, Mass. Filed Mar. 20, 1951.

MELYNOR

For Pediatric Ointments.
Claims use since Jan. 24, 1951.

Ser. No. 611,708. E. S. Miller Laboratories, Inc., Los Angeles, Calif. Filed Mar. 23, 1951.

DOFOCYTE

For Medicinal Preparation To Be Used in Anemia Therapy.
Claims use since Feb. 1, 1951.

Ser. No. 611,823. R. J. Moran Co., Boston, Mass. Filed Mar. 27, 1951.

INOSOLINE

For Medicinal Preparation for Treatment of the Liver.
Claims use since Apr. 18, 1949.

Ser. No. 612,916. The Iso-Sol Company, Inc., Brooklyn, N. Y. Filed Apr. 20, 1951.

M-Z

For Ophthalmic Solution.
Claims use since August 1949.

Ser. No. 612,994. Dormin, Inc., New York, N. Y. Filed Apr. 23, 1951.

DORMIN

For Medicinal Preparations Intended as Aids for the Relief of Insomnia, Headaches, and Neuralgia.
Claims use since Mar. 22, 1934.

Ser. No. 613,055. Dodge & Olcott, Inc., New York, N. Y. Filed Apr. 24, 1951.

D.O

Applicant claims ownership of Registration No. 269,197.
For Essential Oils and Aromatic Chemicals for Use in the Manufacture of Pharmaceuticals and Compound Medicines; Vanilla and Flavor Bases for Use in Pharmaceuticals; and Colors for Use in Drugs.
Claims use since 1861.

Ser. No. 613,067. Great Lakes Pharmacal Corporation, Cleveland, Ohio. Filed Apr. 24, 1951.

NAY-CHUR

For Nutritional Supplements.
Claims use since Nov. 12, 1948.

Ser. No. 613,075. Kedrin Pharmacals, Inc., New York, N. Y. Filed Apr. 24, 1951.

KEDRIN

For General Analgesic in Tablet Form.
Claims use since Mar. 30, 1951.

Ser. No. 613,151. White Laboratories, Inc., Newark, N. J. Filed Apr. 25, 1951.

RESILAX

For Laxative.
Claims use since Mar. 30, 1951.

Ser. No. 613,212. George A. Breon & Company, New York, N. Y. Filed Apr. 27, 1951.

DIBESTIL

For Estrogenic Substance Preparation.
Claims use since Apr. 2, 1951.

Ser. No. 613,292. Desitin Chemical Co., Providence, R. I. Filed Apr. 28, 1951.

DESITIN

Applicant claims ownership of Registration No. 216,628.
For Medical Compound Sold as a Lotion for the Relief of Itching Due to Sunburn, Insect Bites, Poison Ivy, Poison Oak, or Other Minor Irritations.
Claims use since Apr. 3, 1951.

Ser. No. 613,632. Gallia Laboratories, Inc., New York, N. Y. Filed May 8, 1951.

PYGMAL

For Ointment or Paste Used in the Treatment of Minor Skin Irritations and Certain Eczematous Conditions.
Claims use since Feb. 1, 1951.

Ser. No. 613,704. Bristol Laboratories Inc., Syracuse, N. Y. Filed May 10, 1951.

Growcillin

For Animal Feed Supplement.
Claims use since Apr. 23, 1951.

CLASS 19

VEHICLES

Ser. No. 565,635. Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Filed Sept. 22, 1948. (Sec. 2f as to "Koppers.")

KOPPERS

Applicant claims ownership of Registrations Nos. 516,068 and 516,608.
For Aeroplane Propellers.
Claims use since June 14, 1948, as to the mark shown; and since March 1942 as to "Koppers."

Ser. No. 601,152. Sidney D. Lapham, Martinez, Calif. Filed July 24, 1950.

PAL
=O=
MATIC

For Hand Trucks.
Claims use since Jan. 15, 1950.

Ser. No. 603,295. The Smash-Proof Company, also doing business as Hulbert Manufacturing Company, Ashtabula, Ohio. Filed Sept. 8, 1950.

Dippsy-Doodle

For Dolly Casters.
Claims use since Oct. 26, 1948.

Ser. No. 610,300. Southwest Manufacturing Company, Little Rock, Ark. Filed Feb. 19, 1951.

Cushion-Aire-Glide

The word "Glide" is disclaimed.
For Boats.
Claims use since Sept. 1, 1950.

Ser. No. 610,621. Gyrodyne Company of America, Inc., New York, N. Y. Filed Feb. 28, 1951.

HELIDYNE

For Aircraft of the Heavier Than Air Type.
Claims use since December 1948.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 613,798. Armstrong Cork Company, Lancaster, Pa. Filed May 12, 1951.

CARPETONE

For Linoleum.
Claims use since May 1, 1951.

Ser. No. 613,799. Armstrong Cork Company, Lancaster, Pa. Filed May 12, 1951.

DECORESQ

For Linoleum.
Claims use since May 2, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 597,327. Diehl Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y. Filed May 12, 1950. (Sec. 2f.)

Diehl

Applicant claims ownership of Registration No. 49,433.
For Electric Motors, Electric Generators, Electric Fans, Electric Air Circulators, Electric Motor Controllers Including Electric Switches and Rheostats, Electric Transmitters, Electric Transformers, Electric Switches, Electric Switch Boxes, Electric Capacitor Boxes, Electric Vacuum Cleaners and Parts Thereof, Electric Lamp Sockets, Electric Lighting Fixtures, and Electric Hand Drills.
Claims use since 1888.

Ser. No. 603,535. Mica Insulator Company, Schenectady, N. Y. Filed Sept. 14, 1950.

MICO

Applicant claims ownership of Registration No. 171,086.
For Electrical Insulating Materials and Supplies and Electrical Insulators—Namely, Sheets, Rolls, Tubing and Shaped Insulators Composed at Least in Part of Built-Up Mica; Sheets, Tubes, Rods, and Shaped Insulators Composed of Thermo-Setting Laminated Plastic Material; Mica; Mica Sheets, Films, and Stampings; Varnished Fabrics, Fiberglass and Papers Alone or in Combination in the Form of Sheets, Tapes, or Tubing; Varnishes; Vulcanized Fiber; Fishpaper; Untreated Fiberglass and Cotton Tapes; and Saturated Sleevings of Fiberglass or Cotton.
Claims use since July 1, 1914.

Ser. No. 603,536. Mica Insulator Company, Schenectady, N. Y. Filed Sept. 14, 1950.

MICO

Applicant claims ownership of Registration No. 171,086.
For Electrical Insulating Materials and Supplies and Electrical Insulators—Namely, Sheets, Rolls, Tubing, and Shaped Insulators Composed at Least in Part of Built-Up Mica; Sheets, Tubes, Rods, and Shaped Insulators Composed of Thermo-Setting Laminated Plastic Material; Mica; Mica Sheets, Films, and Stampings; Varnished Fabrics, Fiberglass and Papers Alone or in Combination in the Form of Sheets, Tapes, or Tubing; Varnishes; Vulcanized Fiber; Fishpaper; Untreated Fiberglass and Cotton Tapes; and Saturated Sleevings of Fiberglass or Cotton.
Claims use since Aug. 11, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 568,673. D. Sebel and Company Limited, Erith, Kent, England. Filed Nov. 12, 1948.

MOBO TOY-TOISE

No claim is made to the word "Toy" or the word "Toise" as the phonetic equivalent of the word "Toys."
Applicant claims ownership of British Registration No. 672,147, dated Aug. 23, 1948, and United States Registration No. 433,183.
For Wheeled Toy, Simulating a Tortoise Which Is Propelled and Steered by a Remote Control Cable.

Ser. No. 593,785. The Charlestan Manufacturing Company, Independence, Kans. Filed Mar. 11, 1950.

MULTIPLAY

For Parlor Game Played With Board and Detachable Pieces.
Claims use since Feb. 23, 1950.

Ser. No. 597,631. Sirac, Inc., Brooklyn, N. Y., assignor to Carls-Art Inc., Brooklyn, N. Y., a corporation of New York. Filed May 17, 1950.

"Feed Me"

For Dolls of Waterproof Material Which Are Also Adapted To Be Used as a Bottle Holder.
Claims use since Nov. 22, 1949.

Ser. No. 601,892. Exhibit Supply Company, Chicago, Ill. Filed Aug. 8, 1950.

CANASTA

For Coin-Controlled Amusement Game Apparatus in Which a Ball Is Projected Upon an Inclined Playing Surface.
Claims use since July 5, 1950.

Ser. No. 617,499. Ideal Toy Corporation, Hollis, N. Y. Filed Aug. 9, 1951.

TRILBY

For Dolls.
Claims use since Feb. 1, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 536,689. Groov-Pin Corporation, Union City, N. J. Filed Oct. 3, 1947. (Sec. 2f.)

The representation of the goods is disclaimed. The drawing is lined for shading purposes only. Applicant claims ownership of Registration No. 234,790.
For Tapered Grooved Metal Pins for Securing Parts of Machinery Together.
Claims use since July 1, 1926.

Ser. No. 573,893. H. K. Porter Company, Inc., Pittsburgh, Pa. Filed Feb. 15, 1949.

VAL VAULIG

For Hydraulic Valve Operating Units Comprising a Pump and Conduits.
Claims use since Feb. 2, 1949.

Ser. No. 603,493. Mitts & Merrill, Saginaw, Mich. Filed Sept. 13, 1950.

M&M

The words "Mitts and Merrill" and "Since 1854" are disclaimed.
For Disintegrating Machines That Cut Large Pieces of Bulk Fibrous Materials Such as Wood, Meat and the Like Into Fractional Small Pieces; Paper Cutting Machines That Shred Papers, Books, and Magazines and the Like Into Strips Called Excelsior; Keyseating Machines Used To Form Splines and Keyseats in the Bores of Gears and Wheels.
Claims use since June 29, 1950.

Ser. No. 603,672. Foundry Supplies Manufacturing Co., Chicago, Ill. Filed Sept. 18, 1950.

ROTOPLANE

For Automatically-Operated Sifters and Strainers for Paints, Lacquers, Enamels, Foundry Sand, and the Like.
Claims use since June 1938.

Ser. No. 603,673. Foundry Supplies Manufacturing Co., Chicago, Ill. Filed Sept. 18, 1950.

RED ELECTRIC

The word "Electric" is disclaimed.
For Automatically Operated Vibrators for Foundry Use and the Like.
Claims use since June 1918.

Ser. No. 604,603. Stearns Manufacturing Company, Inc., Adrian, Mich. Filed Oct. 7, 1950.

For Concrete Block Making Machines and Parts Thereof.
Claims use since Aug. 1, 1950.

Ser. No. 611,540. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")

Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.
For Wood Working Machines Consisting of Routing and Boring Machines, Lathes, Circular Saws, Scroll Saws, Band Saws, Jointers, Sanders, Safety Shields for Use as Attachments for Abrasive Grinding Machines, Saw Tables, Power Tools for Boring, Sawing, Shaping, and Surface Finishing Wood, Metal, and Other Materials, Including Wood Turning Chisels; Work Holding Attachments for Grinding Machines; Grinders With Reciprocatory Beds; Adjustable Work Heads for Machine Tools; Machine Tools—Namely, Drill Presses, Table Machines, Shapers, Cut-Off Machines, Disk Grinders for Wood and Metal, Hollow-Chisel, Morticers, Wood and Metal Working Lathes; Foundry Molding Machinery—Namely, Core Molding Machines, Jolters, and Component Parts Thereof; Planer Base, Joiner Pedestal, Joiner Frame, Saw Frame, Shaper Pedestal, Disc Sander Pedestal, Lathe Frame; Hollow Chisel Morticer Frame; Coffee Mills; and Component Parts Thereof.
Claims use since Dec. 13, 1945.

Ser. No. 613,963. Ames Supply Company, Chicago, Ill. Filed May 17, 1951.

FIVE STAR PLATEN

The word "Platen" is disclaimed.
For Platens for Typewriters and Office Machines.
Claims use since December 1949.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 605,530. Bernard A. Reemtsma, Garner, Iowa. Filed Oct. 26, 1950.



The figure shown in the drawing is fanciful.
For Clothes Line Tightener.
Claims use since Aug. 21, 1950.

CLASS 25

LOCKS AND SAFES

Ser. No. 606,222. Independent Lock Company, Fitchburg, Mass. Filed Nov. 10, 1950. (Sec. 2f.)

READING

For Exit Bolts, Panic Proof Exit Locks, and Panic Exit Devices.
Claims use since August 1945 in the form shown; and since 1851 in a different form.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 597,047. J. B. Wood Corporation, Los Angeles, Calif. Filed Apr. 17, 1950.

The word "Flash" and the representation of the flash unit are disclaimed.
For Portable Generator-Type Flash Bulb Igniter and Camera Synchronizer.
Claims use since Oct. 5, 1946.

Ser. No. 603,619. Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Filed Sept. 12, 1950.

LYNX

Applicant claims ownership of Italian Registration No. 83,357, dated Nov. 18, 1948.
For Lenses for Spectacles.

Ser. No. 603,621. Filotecnica Salmoiraghi Societa per Azioni, Milan, Italy. Filed Sept. 12, 1950.

Applicant claims ownership of Italian Registration No. 84,078, dated Dec. 13, 1948.
For Lenses for Spectacles.

Ser. No. 603,698. Pams Products, Detroit, Mich. Filed Sept. 18, 1950.

Pams

For Shampoo Goggles.
Claims use since Aug. 29, 1950.

Ser. No. 605,679. Remind-A-Meter Corporation, New York, N. Y. Filed Oct. 31, 1950.

REMIND-A-METER

The word "Meter" is disclaimed.
For Coin Operated Meters for Electrical Appliances.
Claims use since Feb. 1, 1949.

Ser. No. 611,578. Master Rule Manufacturing Co., Inc., Middletown, N. Y. Filed Mar. 20, 1951.

LONGBOY

For Steel Measuring Tapes.
Claims use since Sept. 30, 1950.

Ser. No. 616,182. New York Telecoin Corporation, New York, N. Y. Filed July 6, 1951.

TELEMETER

For Coin Meters.
Claims use since May 19, 1951.

Ser. No. 619,887. E. Leitz, Inc., New York, N. Y. Filed Oct. 11, 1951.

Leica

Applicant claims ownership of Registrations Nos. 275,993 and 424,796.
For Cameras and Camera Lenses.
Claims use since June 1, 1925.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 581,866. Chesterfield Watch Corp., New York, N. Y. Filed July 13, 1949.

"Cal-O-Date"

The word "Date" is disclaimed.
For Watches, Watch Cases, and Parts Thereof.
Claims use since April 1949.

Ser. No. 583,097. Juillerat Freres S. A., Berne, Switzerland. Filed Aug. 6, 1949.

Alvarex

Applicant claims ownership of Swiss Registration No. 128,555, dated Mar. 31, 1949.
For Watches and Watch Movements.

Ser. No. 612,074. Jack Honig, doing business under the fictitious name of Honig Watch Company, Los Angeles, Calif. Filed Mar. 31, 1951.

HONORA

For Watches.
Claims use since Mar. 20, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 552,963. Fine Arts Sterling Silver Company, Philadelphia, Pa. Filed Mar. 25, 1948.

Crown Princess

For Silver Flatware—Namely, Table-Knives, Butter-Knives, Youth-Knives, Table-Forks, Salad Forks, Cold Meat-Forks, Cocktail-Forks, Youth-Forks, Baby-Forks, Soup-Spoons, Teaspoons, Berry-Spoons, Table-Spoons, Ice Drink Spoons, Dessert-Spoons, Coffee-Spoons, Youth-Spoons, Baby-Spoons, Butter-Spreaders, Sugar Shells, Gravy Ladles, and Tomato Servers.
Claims use since Dec. 17, 1947.

Ser. No. 554,004. Herbert Bayer, Aspen, Colo. Filed Apr. 7, 1948.

For Table Flatware, Hollow Ware, and Other Articles of Silverware and Jewelry for Personal Wear—Namely, Necklaces, Bracelets, and Finger Rings, All of the Foregoing Being Made of Sterling Silver or Plated With Silver.
Claims use since Oct. 14, 1947.

Ser. No. 600,784. Park Lane Jewelry Company, Providence, R. I. Filed July 17, 1950.

Park Lane

For Ornamental Pins, Brooches, Lockets, Earrings, Finger Rings, Necklaces, Bracelets, All of the Foregoing Made of or Plated With Precious Metals.
Claims use since Sept. 10, 1933.

Ser. No. 603,746. Quaker Silver Co., Inc., North Attleboro, Mass. Filed Sept. 19, 1950.

The mark is in the form of a hall mark comprising a crown and two shields, the left-hand shield including the letter "Q" and the right-hand shield including the representation of the craftman's mark.
For Sterling Silver and Silver-Plated Hollow Ware.
Claims use since Sept. 28, 1939.

Ser. No. 605,164. Klik Enterprises, Inc., New York, N. Y. Filed Oct. 19, 1950.

TEL-E-PENCIL

The word "Pencil" is disclaimed
For Chain and Clip Ornamented With Precious Metal for Attaching a Pen or Pencil to the Base of a Telephone Instrument.
Claims use since Oct. 5, 1950.

Ser. No 607,682. William Rand, Inc., New York, N. Y. Filed Dec. 14, 1950.

SWAN

For Synthetic and Simulated Pearls Set in and Sold in the Form of Costume Jewelry—Namely, Earrings, Brooches, Necklaces, Bracelets, and Ornamental Pins.
Claims use since July 18, 1950.

Ser. No. 608,039. Jacoby-Bender, Inc., New York, N. Y. Filed Dec. 23, 1950.

AMERICAN TRIUMPH

The word "American" is disclaimed. Applicant claims ownership of Registration No. 544,945.
For Bracelets and Watch Bracelets Sold Separately From the Watches.
Claims use since Dec. 4, 1950.

Ser. No. 609,972. Happé Products Limited, London, England. Filed Feb. 12, 1951.

ORGANYL

Applicant claims ownership of British Registrations Nos. 676,052 and 676,053, dated Jan. 11, 1949.
For Imitation Costume Jewellery—Namely, Brooches, Ear-Rings, Finger-Rings, Ornamental Dress Clips, Bracelets, Fobs, and Pendants.

Ser. No. 611,230. L. Luria & Son, Inc., New York, N. Y. Filed Mar. 13, 1951.

"Buckinghire"

For Silver Plated Hollow Ware, Sterling Hollow Ware, and Cutlery.
Claims use since Mar. 1, 1950.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 590,793. Baker Imperial Co., Inc., New York, N. Y. Filed Jan. 13, 1950.

Imperial

Applicant claims ownership of Registrations Nos. 417,610 and 435,873.
For Articles of China and Hand Painted China Not Ornamented With Precious Metals—Namely, Table Dinnerware, Flower Pots, Jars, Jardinieres, Teapots, Pitchers, and Vases.
Claims use since Mar. 15, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 600,287. K & G Manufacturing Co., Culver City, Calif. Filed July 6, 1950.



The representation of the boy is fanciful.
For Metal Furniture for Babies and Children—Namely, High Chairs, Rocking Chairs, and Toy Chests.
Claims use since Mar. 15, 1950.

Ser. No. 601,107. Kilray Blind Company, Atlanta, Ga. Filed July 22, 1950.

Coronet

For Window Cornices.
Claims use since June 5, 1950.

Ser. No. 601,898. Founders Furniture Company, Pleasant Garden, N. C. Filed Aug. 8, 1950.

Founders

For Cocktail Tables, Coffee Tables, End Tables, Lamp Tables, Step Tables, Corner Tables, Bookcases, Cabinets, Dinette Tables, Chairs, Desks, Sofas, Love-Seats, and Foot Stools.
Claims use since Aug. 18, 1947.

Ser. No. 602,492. Carey-McFall Company, Philadelphia, Pa. Filed Aug. 21, 1950.



The representation of the goods and the words "Venetian Blinds" are disclaimed. The representation of the girl is purely fanciful.
For Venetian Blinds.
Claims use since June 1, 1950.

Ser. No. 613,737. Spiegel, Inc., Chicago, Ill. Filed May 10, 1951.

The Drake

For Lounge Chairs.
Claims use since Dec. 29, 1950.

Ser. No. 613,743. Stylon Corporation, Boston, Mass. Filed May 10, 1951.

Stylon

For Metal Medicine Cabinets.
Claims use since January 1950.

CLASS 33

GLASSWARE

Ser. No. 579,057. The Quaker Oats Company, Chicago, Ill. Filed May 18, 1949.

Crystal Wedding

For Table and Kitchen Glassware.
Claims use since Apr. 7, 1949.

Ser. No. 611,073. Blue Ridge Glass Corporation, Kingsport, Tenn. Filed Mar. 9, 1951.

INDUSTREX

Applicant claims ownership of Registration No. 263,442.
For Flat Glass.
Claims use since Mar. 29, 1929.

Ser. No. 611,075. Blue Ridge Glass Corporation, Kingsport, Tenn. Filed Mar. 9, 1951.

VELVEX

Applicant claims ownership of Registration No. 263,440.
For Flat Glass.
Claims use since Apr. 24, 1929.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 564,949. Johns-Manville Corporation, New York, N. Y. Filed Sept. 10, 1948. (Sec. 2f.)

JOHNS-MANVILLE
JM

Applicant claims ownership of Registrations Nos. 101,467 and 275,889.
For Woven Brake Linings and Clutch Facings; Molded Brake Linings and Clutch Facings; Rubberized Fabric Brake Linings and Clutch Facings; Resin Bonded Brake Linings and Clutch Facings; Impregnated Millboard Brake Linings and Clutch Facings; Brake Lining and Clutch Facing Materials in Roll Form; Machinery Packings and Gaskets; Molded Packings; Cup Packings; Braided, Twisted, and Plaited Packings; Twisted Cord for Packings; Metallic Packings; Metallic Packings Including an Impregnant; Fabric Packings; Fabric Packings Including an Impregnant; Folded Gaskets and Packings; Pleated Gaskets and Packings; Rolled Gaskets and Packings; Sheet Packings; Cloth and Wire-Inserted Cloth Packings; Composite Metal and Asbestos Packings and Gaskets; Asbestos Rope Packings; Wick Packings; and Gasketing Tape.
Claims use since 1901 as to "Johns-Manville"; since 1907 as to "J M"; and since Apr. 10, 1929, as shown.

Ser. No. 601,900. Grizzly Manufacturing Company, Los Angeles and Bell, Calif., and Paulding, Ohio. Filed Aug. 8, 1950.

GRIZZLY SILVERTIP

Applicant claims ownership of Registrations Nos. 312,067, 382,014, and 439,639.
For Brake Lining.
Claims use since May 26, 1950.

Ser. No. 612,314. Dresser Industries, Inc., Dallas, Tex. Filed Apr. 6, 1951.

DRESSER

For Packings and Gaskets for Pipe Couplings and Clamps.
Claims use since 1890.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 568,755. Louis E. Schwartz, Brooklyn, N. Y. Filed Nov. 13, 1948.

Electroni-Court
The COURT of RECORDS

The words "The Court of Records" are disclaimed.
For Grooved Phonograph Records With Lesson Books and Students' Check Lists Leased to Schools for Educational Purposes.
Claims use since July 15, 1948.

Ser. No. 597,177. Telefunken Forsaljningsaktiebolag, Stockholm, Sweden. Filed May 9, 1950.

TELESTAR

Applicant claims ownership of Swedish Registration No. 65,293, dated Nov. 5, 1948.
For Mechanically Grooved Phonograph Records.

CLASS 37

PAPER AND STATIONERY

Ser. No. 551,249. Eagle Pencil Company, New York, N. Y. Filed Mar. 5, 1948. (Sec. 2f.)

VERIBLACK

For Wood Encased Lead Pencils.
Claims use since Jan. 30, 1907.

Ser. No. 566,864. Dur-O-Lite Pencil Co., Melrose Park, Ill. Filed Oct. 12, 1948. (Sec. 2f.)

KEEN-POINT

Applicant claims ownership of Registration No. 271,610.
For Mechanical Pencils and Leads.
Claims use since Nov. 21, 1928.

Ser. No. 603,232. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Sept. 7, 1950.

APPLE BLOSSOM

For Wrapping Paper and Butchers' Paper.
Claims use since June 1947.

Ser. No. 612,344. Norcross, Inc., New York, N. Y. Filed Apr. 6, 1951.

A HOLIDAY ENSEMBLE

For Gift Wrapping Paper.
Claims use since Feb. 14, 1951.

Ser. No. 612,391. Eberhard Faber Pencil Company, Brooklyn, N. Y. Filed Apr. 9, 1951.

COLORAMA

For Colored Pencils.
Claims use since Apr. 3, 1951.

Ser. No. 612,442. The Central Ohio Paper Company, Columbus, Ohio. Filed Apr. 10, 1951.

Copco

Applicant claims ownership of Registration No. 132,638.
For Printing Paper; Writing Paper; Box and Book Cover Paper; Enamel Paper for Boxes, Folders, Pamphlets, and Books; Tissue Paper, Toilet Paper, Paper Towels, and Paper Napkins.
Claims use since Sept. 1, 1919.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 608,442. United Truck Owners of America, Inc., Akron, Ohio. Filed Jan. 5, 1951.

UTO NEWS

The word "News" is disclaimed.
For Monthly Publication.
Claims use since Sept. 1, 1948.

Ser. No. 608,772. Tompkins' Label Service, Philadelphia, Pa. Filed Jan. 13, 1951.

Cellostix

For Printed Labels.
Claims use since Sept. 6, 1950.

Ser. No. 608,773. Tompkins' Label Service, Philadelphia, Pa. Filed Jan. 13, 1951.

Polystix

For Printed Labels.
Claims use since Oct. 6, 1950.

Ser. No. 610,713. Richard H. Porter, doing business as The United Safety Service, Chicago, Ill. Filed Mar. 1, 1951.

The SAFE FOREMAN

Applicant claims ownership of Registration No. 272,213.
For Periodical Published Monthly.
Claims use since Feb. 1, 1930.

Ser. No. 611,597. Boyme and Sherman, Dayton, Ohio. Filed Mar. 21, 1951.

TV-Dial

The letters "TV" are disclaimed.
For Weekly Periodical Publication.
Claims use since Jan. 10, 1950.

Ser. No. 611,609. Kaumagraph Company, Wilmington, Del. Filed Mar. 21, 1951.

For Dry Transfers for Application to Textiles and Other Materials for Labeling Purposes.
Claims use since Mar. 14, 1951.

Ser. No. 612,387. E. S. C. Coppock, San Antonio, Tex. Filed Apr. 9, 1951.

STOCK MARKET TRADERS' TRENDEX

The words "Stock Market Traders'" are disclaimed.
For Publication Issued at Least Weekly Relating to Securities and Commodities.
Claims use since Nov. 6, 1948.

Ser. No. 613,450. The Hearst Corporation, New York, N. Y. Filed May 3, 1951.

GRANDMA

For Series of Cartoons or Comic Strips.
Claims use since June 28, 1948.

Ser. No. 613,823. The Register and Tribune Company, Des Moines, Iowa. Filed May 12, 1951.

Potomac Fever

For Newspaper and Magazine Feature or Column.
Claims use since Nov. 3, 1950.

Ser. No. 613,824. The Register and Tribune Company, Des Moines, Iowa. Filed May 12, 1951.

SANDY HILL

For Cartoon Section of Newspapers and Other Publications.
Claims use since Jan. 14, 1951.

CLASS 39

CLOTHING

Ser. No. 528,920. Good Luck Glove Company, Carbondale, Ill. Filed July 19, 1947. (Sec. 2f.)

UTILITY

For Fabric Work Gloves.
Claims use since August 1932.

Ser. No. 548,596. David Theodore Langrock, New Haven, Conn. Filed Feb. 2, 1948. (Sec. 2f.)

KOOLWEAVE

Applicant claims ownership of Registration No. 313,970.
For Men's Clothing—Namely, Trousers, Vests, Coats, and Overcoats.
Claims use since Jan. 1, 1932.

Ser. No. 552,352. Royal Manufacturing Company, Allentown, Pa. Filed Dec. 18, 1947. (Sec. 2f.)

PRINCETON

Applicant claims ownership of Registration No. 231,129.
For Men's Union Athletic Textile-Fabric Underwear.
Claims use since Oct. 5, 1923.

Ser. No. 566,093. Natira Sales Company, Allentown, Pa. Filed Sept. 29, 1948.

Natira

For Men's, Women's, and Children's Underwear and Knitted Polo and T-Shirts.
Claims use since February 1945.

Ser. No. 569,048. Cardinal Hat Company, St. Louis, Mo. Filed Nov. 19, 1948.



The drawing is lined for red and brown.
For Men's and Boys' Sport Hats, Outer Shirts, Jackets, Coats, and Trousers.
Claims use since January 1926.

Ser. No. 580,022. Mages Sport Stores, Inc., Chicago, Ill. Filed June 6, 1949. (Sec. 2f.)

MAGES
The Stores for Sport

The words "The Stores for Sport" are disclaimed.
For Men's, Women's, and Children's Sport Clothing and Clothing for Athletic Contests, Padded and Unpadded—Namely, Jackets, Slacks, Skirts, Shirts, Blouses, Shorts, Coats, Sweaters, Pants, Belts, Caps, Hats, Hose, and Shoes.
Claims use since March 1924.

Ser. No. 583,897. Utica Knitting Company, Utica, N. Y. Filed Aug. 23, 1949. (Sec. 2f as to "Utica.")



The word "Knit" is disclaimed. Applicant claims ownership of Registrations Nos. 378,282 and 46,652.
For Men's, Women's, Boys', and Children's Knitted and Woven Underwear, Swim Trunks, Sweaters, Tennis Shirts, Sweat Shirts, and Sport Shirts; Children's and Infants' Knitted Sleeping Garments—Namely, Sleeping Suits, Sleeping Hoods, and Sleeping Bags; and Infants' Bands and Robes.
Claims use since 1908.

Ser. No. 584,850. Berkshire Knitting Mills, Reading and Wyomissing, Pa. Filed Sept. 15, 1949.

Berkshire

The representation of the stockings is disclaimed. Applicant claims ownership of Registrations Nos. 305,132, 305,133, and others.
For Women's Full Fashioned Hosiery.
Claims use since Apr. 29, 1949.

Ser. No. 589,935. Currick & Leiken Co., Inc., New York, N. Y. Filed Nov. 26, 1949. (Sec. 2f.)

ONE POUNDER CL LC

Applicant claims ownership of Registrations Nos. 421,915 and 403,143.
For Sport Jackets and Topcoats for Men and Women.
Claims use since Nov. 1, 1943.

Ser. No. 592,225. The Shirtcraft Company, Inc., New York, N. Y. Filed Feb. 9, 1950.

Strato-Master

For Men's, Boys', and Ladies' Jackets.
Claims use since July 30, 1946.

Ser. No. 592,360. The Crown Overall Manufacturing Company, Cincinnati, Ohio. Filed Feb. 13, 1950.

CROWNIES

Applicant claims ownership of Registrations Nos. 128,351, 199,341, and 44,995.
For Wearing Apparel—Namely, Trousers, Overalls, Shorts, Rompers, Shirts and Jackets, Slacks, Shirts, Vests and Jackets, and Pants and Shirts for Children, Young Men, and Young Women.
Claims use since Jan. 1, 1930.

Ser. No. 593,777. Beautyaire, Inc., New York, N. Y. Filed Mar. 11, 1950.

BEAUTYAIRE

For Brassières.
Claims use since Feb. 16, 1950.

Ser. No. 596,656. John B. Davidson Woolen Mills, Inc., Eaton Rapids, Mich. Filed May 1, 1950.

Seprasox

For Slippers in the Form of Slipper-Sole Members With Hose Removably Attached Thereto by Mechanical Means.
Claims use since Apr. 26, 1950.

Ser. No. 598,680. David B. Rosenthal, doing business as S. & R. Surplus Sales, Terre Haute, Ind. Filed June 6, 1950.



For Men's Wearing Apparel—Namely, Work and Dress Shirts, Trousers, Underwear, T-Shirts, Shoes, Jackets, and Socks.
Claims use since Apr. 12, 1950.

Ser. No. 602,890. Jules S. Cohen, New York, N. Y. Filed Aug. 29, 1950. (Sec. 2f.)

CRANES-MAYOS

Applicant claims ownership of Registration No. 395,377.
For Hats, Suits, Overcoats, Topcoats, Shirts, Sport Coats, and Sport Jackets for Men and Boys.
Claims use since December 1933.

Ser. No. 605,536. Henry I. Siegel Co. Inc., New York, N. Y. Filed Oct. 26, 1950.

Power Twill

The word "Twill" is disclaimed.
For Men's and Boys' Work Clothes, Consisting of Pants, Shirts, Overalls, Jackets, Slacks.
Claims use since June 1950.

Ser. No. 606,472. Hat Corporation of America, Norwalk, Conn. Filed Nov. 16, 1950.

WESTWARD

For Hats for Men.
Claims use since Jan. 1, 1935.

Ser. No. 607,619. Cloverdale Knitwear Corporation, Brooklyn, N. Y. Filed Dec. 13, 1950.

Co-ord-i-knits

The word "Knits" is disclaimed.
For Children's Sweaters, Jackets, Vests, Polo Shirts, Leggings, Slacks, Skirts, Outer Shorts, Pants and Combinations Thereof.
Claims use since Oct. 5, 1950.

Ser. No. 607,991. Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Filed Dec. 22, 1950.



The words "For Home for Country and for God" are disclaimed. Applicant claims ownership of Registration No. 528,273.
For Women's Caps, Jackets, Sweaters, Outer Shirts, Sport Shirts, Necktles, Handkerchief and Necktie Sets, Hosiery, Underwear, Pajamas, Gloves Made of Leather, Fabric and Combinations Thereof, Shoes, Apparel Belts, Swimming Suits, Athletic Jerseys, Sport Shorts; Ceremonial Robes and Uniforms and Parts Thereof—Namely, Hats, Capes, Raincoats, Overcoats, Blouses, Shirts, Skirts and Baldrics, Designed for Members of the Organization.
Claims use since Oct. 24, 1947.

Ser. No. 607,994. Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Filed Dec. 22, 1950.



The words "Liberty," "Truth," "Justice" and "Equality" are disclaimed. Applicant claims ownership of Registration No. 528,273.
For Men's Caps, Jackets, Sweaters, Outer Shirts, Sport Shirts, Neckties, Handkerchief and Necktie Sets, Hosiery, Underwear, Pajamas, Gloves Made of Leather, Fabric and Combinations Thereof, Shoes, Suspenders, Garters, Apparel Belts, Swimming Trunks, Athletic Jerseys, Sport Shorts; Ceremonial Robes and Uniforms and Parts Thereof—Namely, Capes, Raincoats, Overcoats, Blouses, Shirts, Trousers and Baldrics, Designed for Members of the Organization.
Claims use since Oct. 24, 1947.

Ser. No. 607,998. Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Filed Dec. 22, 1950.



Applicant claims ownership of Registration No. 528,273.
For Boys' and Girls' Caps, Jackets, Sweaters, Outer Shirts, Sport Shirts, Neckties, Handkerchief and Necktie Sets, Hosiery, Underwear, Pajamas, Gloves Made of Leather, Fabric and Combinations Thereof, Shoes, Suspenders, Garters, Apparel Belts, Swimming Trunks, Athletic Jerseys, Sport Shorts; Ceremonial Robes and Uniforms and Parts Thereof—Namely, Capes, Raincoats, Overcoats, Blouses, Shirts, Trousers and Baldrics, Designed for Members of the Organization.
Claims use since Oct. 24, 1947.

Ser. No. 608,357. F. Jacobson & Sons, Inc., New York, N. Y. Filed Jan. 4, 1951.

SLUMBER-NUMBER

For Pajamas for Men and Boys.
Claims use since Mar. 13, 1950.

Ser. No. 608,413. Duti-Duds, Inc., Lynchburg, Va. Filed Jan. 5, 1951. (Sec. 2f.)

CLINIC

Applicant claims ownership of Registration No. 403,335.
For Uniforms for Nurses, Technicians, Beauticians, Waitresses, and Domestics.
Claims use since Feb. 12, 1942.

Ser. No. 608,676. Austin Reed Limited, London, England. Filed Jan. 11, 1951.

Summit

Applicant claims ownership of Registration No. 88,788.
For Men's Outer Shirts and Collars.
Claims use since 1904; and in commerce between United States and the United Kingdom since 1904.

Ser. No. 608,926. Empire Sporting Goods Manufacturing Co. Inc., New York, N. Y. Filed Jan. 18, 1951.

EMPIRE

Applicant claims ownership of Registration No. 419,079.
For Football Pants, Football and Baseball Stirrup-Type Hose, Football Jerseys, Athletic Warm-Up Pants, Ice Hockey Uniforms, Football Parkas, Football Capes, Pull-Over Warm-Up Jacket for Athletics, Soccer Uniforms, Track Uniforms, Boxing Shorts, Basketball Jerseys and Shorts, Girls' Basketball Uniforms, Men's Walking Shorts, Tennis Shorts, Athletic Jackets, Sport Coats, Golf Jackets, Sport Fingertip Coats, Soft Ball Jerseys, Baseball Uniforms, Baseball and Softball Caps, Softball Uniforms, Swimming Trunks, Athletic Sweat Shirts and Pants, and Bowling Shirts.
Claims use since Sept. 1, 1930.

Ser. No. 608,935. Kingston Manufacturing Company, San Antonio, Tex. Filed Jan. 18, 1951.

Mickey Toddler

Applicant claims ownership of Registrations Nos. 306,536 and 535,535.
For Children's Clothing—Namely, Sunsuits, Coveralls, Dress Shorts, Boxer Shorts, Underwear Shorts, Pants, Overalls, Caps, Jackets, Dresses, Overcoats, Slacks, Snowsuits, Leggins, Jodhpurs, Riding Breeches, Coats, Suits, and Rompers.
Claims use since Dec. 27, 1950.

Ser. No. 609,044. Oklahoma Clothing Manufacturers, Oklahoma City, Okla. Filed Jan. 20, 1951.



For Boys' Clothing, Consisting of Jeans, Overalls, Pants, Dungarees, Cowboy Pants, Jackets, and Trousers.
Claims use since December 1945.

Ser. No. 609,072. Capitol Undergarment Co., Inc., New York, N. Y. Filed Jan. 22, 1951.

PANTY-TYME

The word "Panty" is disclaimed.
For Children's Panties.
Claims use since Nov. 20, 1950.

Ser. No. 609,110. United Surplus Associates, New York, N. Y. Filed Jan. 22, 1951.

UNITED SURPLUS ASSOCIATES

The words "Surplus" and "Associates" are disclaimed.
For Men's Suits, Trousers, Jackets, and Top Coats; and Women's Dresses, Suits, Slacks, Jackets, and Coats.
Claims use since Oct. 10, 1950.

Ser. No. 609,891. Teen-Age Beachwear Corp., Brooklyn, N. Y. Filed Feb. 9, 1951.

Tab

For Beachwear, Specifically Sport Shirts, Bathing Suits, Bathing Trunks, Play Suits, and Beach Coats for Women and Girls.
Claims use since May 17, 1946.

Ser. No. 610,202. Davis Manufacturing Company, Philadelphia, Pa. Filed Feb. 17, 1951.

Dickie Davis

The mark is fanciful and not the name of any living or deceased individual.
For Boys' Suits, Pants, and Jackets.
Claims use since October 1948.

Ser. No. 610,348. Weber and Heilbroner, Inc., New York, N. Y. Filed Feb. 20, 1951.

TOWN SERIES

Applicant claims ownership of Registrations Nos. 176,241 and 391,248.
For Men's Coats, Vests, Pants, Overcoats, Top Coats, Tuxedos, Dress Suits, Slacks, Outer and Under Shirts, Underwear, Socks and Neckties, and Women's Suits, Top Coats, Overcoats, Blouses, Dresses, Hosiery, and Shoes.
Claims use since Jan. 1, 1929.

Ser. No. 610,637. Sapphire Hosiery Corporation, New York, N. Y., now by change of name Sapphire Corporation. Filed Feb. 28, 1951.

Veladur Finish

The word "Finish" is disclaimed.
For Women's Hosiery.
Claims use since July 23, 1950.

Ser. No. 610,822. Irving Brooks, doing business as Brooks Uniform Co., Dallas, Tex. Filed Mar. 5, 1951.

Sandra Lou OF DALLAS

The word "Dallas" is disclaimed.
For Uniforms for Nurses, Maids, and Waitresses.
Claims use since March 1943.

Ser. No. 611,260. Joseph H. Cohen & Sons, Inc., New York, N. Y. Filed Mar. 14, 1951.

VANITY WARMTEX

Applicant claims ownership of Registrations Nos. 177,974 and 202,146.
For Men's Clothing—Namely, Suits, Trousers, Coats, and Topcoats.
Claims use since Feb. 20, 1951.

Ser. No. 611,482. The Manhattan Shirt Company, New York, N. Y. Filed Mar. 17, 1951.

MANCOOL

Applicant claims ownership of Registration No. 330,654.
For Men's Outer Shirts Known in the Trade as Dress Shirts or Negligee Shirts.
Claims use since Jan. 10, 1951.

Ser. No. 611,777. Eagle Clothes, Inc., New York, N. Y. Filed Mar. 26, 1951.

EAGLE NYLORD

Applicant claims ownership of Registrations Nos. 154,504, 350,131, 404,598, and 413,454.
For Men's Clothing—Namely, Coats, Top Coats, and Suits.
Claims use since Feb. 20, 1951.

Ser. No. 612,935. W. E. Stephens Mfg. Co., Inc., Nashville, Tenn. Filed Apr. 20, 1951.

ANGUS



For Dungarees for Men, Women, Misses, Boys, and Children.
Claims use since Mar. 29, 1951.

Ser. No. 613,664. Bacmo Postman Corporation, New York, N. Y. Filed May 9, 1951.

DOVELLE

Applicant claims ownership of Registration No. 532,388.
For Ladies' Gloves, Made of Fabric.
Claims use since January 1925.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 609,973. Happé Products Limited, London, England. Filed Feb. 12, 1951.

ORGANYL®

Applicant claims ownership of British Registrations Nos. 676,052 and 676,053, dated Jan. 11, 1949.
For Buttons, Hat Ornaments, Cuff-Links, and Tie-Pins and Clasps, All Made of Non-Precious Materials.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 581,315. Brand & Oppenheimer, Incorporated, New York, N. Y. Filed June 30, 1949. (Sec. 2f.)

SILKETTE

All Combed Cotton Full Mercerized Permanent Finish

The wording "All Combed Cotton Full Mercerized Permanent Finish" is disclaimed. Applicant claims ownership of Registration No. 138,423.
For Cotton Piece Goods.
Claims use since Feb. 1, 1919.

Ser. No. 586,039. M. Lowenstein & Sons, Inc., New York, N. Y. Filed Oct. 5, 1949.

Eddifilm

The trade-mark consists of the word "Eddifilm" with a design of a test tube and a test tube stand connected to the word "Eddifilm."
For Plastic Film and Plastic Coated Fabrics of Cotton, Rayon, and Combinations Thereof for Making Into Draperies, Slip Covers, Bed Spreads, Aprons, Shower Curtains, Raincoats, Juvenile Closet and Household Accessories and the Like.
Claims use since Sept. 12, 1949.

Ser. No. 594,384. Knoll Associates, Inc., New York, N. Y. Filed Mar. 22, 1950. (Sec. 2f.)

KNOLL

For Curtain and Upholstery Fabrics of Cotton, Wool, Silk, and Synthetic Fibres, and of Plastic Yarn.
Claims use since Mar. 1, 1948.

Ser. No. 603,923. Grandma Moses Properties, Inc., New York, N. Y. Filed Sept. 23, 1950.

GRANDMA MOSES

"Grandma Moses" is the name by which Anna Mary Robertson Moses generally is known, and her consent has been made part of this application.
For Fabrics-in-the-Piece Made of Wool and Synthetic Fibers.
Claims use since Apr. 3, 1950.

Ser. No. 607,535. David & John Anderson Limited, Bridgeton, Glasgow, Scotland. Filed Dec. 11, 1950.

DÉJA

Applicant claims ownership of British Registration No. 421,826, dated Dec. 24, 1921, and United States Registration 262,977, dated Oct. 29, 1929 (renewed).
For Cloth in the Piece of Wool and of Wool and Cotton.
Claims use since 1920 in Great Britain; and use in commerce between Great Britain and the United States since 1920.

Ser. No. 609,876. Miron Mills, Inc., Clinton, Mass. Filed Feb. 9, 1951.

MIRONDA

Applicant claims ownership of Registration No. 502,558.
For Wool Fabrics in the Piece.
Claims use since Jan. 23, 1951.

Ser. No. 616,410. Burlington Mills Corporation, Greensboro, N. C. Filed July 13, 1951.

LOCH N' BRAES

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Apr. 25, 1951.

Ser. No. 616,487. A. D. Juilliard & Co., Inc., New York, N. Y. Filed July 14, 1951.

FURMIST

For Woolen Piece Goods.
Claims use since Feb. 26, 1950.

Ser. No. 616,496. A. D. Juilliard & Co., Inc., New York, N. Y. Filed July 14, 1951.

PARK EAST

For Woolen Piece Goods.
Claims use since May 10, 1950.

Ser. No. 616,498. A. D. Juilliard & Co., Inc., New York, N. Y. Filed July 14, 1951.

FURLURE

For Woolen Piece Goods.
Claims use since Aug. 10, 1950.

Ser. No. 616,500. A. D. Juilliard & Co., Inc., New York, N. Y. Filed July 14, 1951.

SUVAN

For Woolen Piece Goods.
Claims use since May 2, 1949.

Ser. No. 616,798. C. H. Masland & Sons, Carlisle, Pa. Filed July 23, 1951.

NUBINÉ

For Textile Carpets and Rugs.
Claims use since May 23, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 588,475. Beltx Corporation, St. Louis, Mo. Filed Nov. 29, 1949.

Beltx

Applicant claims ownership of Registration No. 261,096.
For Sanitary Belts.
Claims use since Apr. 26, 1928.

Ser. No. 594,645. Invalift, Inc., Seattle, Wash. Filed Mar. 25, 1950.

Invalift

For Mechanical Equipment in the Nature of a Lift for Raising, Lowering, and Turning Incapacitated People.
Claims use since April 1948.

Ser. No. 595,837. John M. Hall, New York, N. Y. Filed Apr. 17, 1950.

RAGUS

The word "Hall" is disclaimed.
For Ear Cleaning Wire Pick.
Claims use since Jan. 27, 1950.

Ser. No. 601,714. James Otto Covington, Nashville, Tenn. Filed Aug. 4, 1950.

SILSKIN

The drawing is lined for red but color is not claimed as a feature of the mark.
For Prophylactics.
Claims use since Nov. 1, 1940.

Ser. No. 602,371. The Columbus Dental Manufacturing Co., Columbus, Ohio. Filed Aug. 18, 1950. (Sec. 2f as to "Steele's.")

Steele's GOLFAC

Applicant claims ownership of Registrations Nos. 98,365 and 98,366.
For Laminated Metallic Backings for Artificial Teeth.
Claims use since July 7, 1949, as to the mark shown; and since 1902 as to "Steele's."

Ser. No. 605,978. Dentronics, Inc., Seattle, Wash. Filed Nov. 2, 1950.

DENTRONICS

For Saliva Ejector, Anti-Splash Dental Guard—Namely, a Device for Preventing the Effect of Centrifugal Force Throwing Pumice or Other Cleaning Paste Off the Rubber or Other Polishing Cups Used in Cleaning Teeth; Electric Dental Hand Piece, Dental Detector Paste—Namely, a Paste for Detecting Pressure Areas; Impression Tray and Artificial Teeth.
Claims use since Feb. 2, 1947.

Ser. No. 607,519. Ritter Company, Inc., Rochester, N. Y. Filed Dec. 9, 1950.



Applicant claims ownership of Registrations Nos. 263,821 and 263,822.
For Dental, Medical, and Surgical Appliances Comprising Dental Fountain Cuspidors, Equipment Stands, Sterilizers, and Dental Engines and Foot Operated Controllers Therefor Sold as a Unit.
Claims use since September 1949.

Ser. No. 612,882. Zeca Corporation, New York, N. Y. Filed Apr. 19, 1951.

SEPTOE

For Toe Pledgets.
Claims use since Apr. 15, 1950.

Ser. No. 613,016. Nichols Nasal Syphon, Inc., Montclair, N. J. Filed Apr. 23, 1951. (Sec. 2f.)

NICHOLS

Applicant claims ownership of Registration No. 281,870.
For Nasal Syphons.
Claims use since December 1917.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 536,400. Kellogg Company, Battle Creek, Mich. Filed Oct. 1, 1947. (Sec. 2f.)

ALL-BRAN

Applicant claims ownership of Registrations Nos. 199,964 and 314,238.
For Cereal Breakfast Foods.
Claims use since June 7, 1923.

Ser. No. 536,884. Flotill Products, Incorporated, Stockton, Calif. Filed Oct. 6, 1947.

CAL-TOP

The words "Quality in Quantity" and "House of" are disclaimed.
For Canned Fruits.
Claims use since Aug. 13, 1947.

Ser. No. 542,192. Winn and Lovett Grocery Company, Jacksonville, Fla. Filed Nov. 24, 1947.

MOUNT VERMONT

The term "Vermont" is disclaimed.
For Salt Codfish; Smoked Meat—Namely, Bacon; Dressed Poultry, Specifically Turkey.
Claims use since January 1941.

Ser. No. 546,060. Schultz, Baujan & Co., Beardstown, Ill. Filed Jan. 2, 1948.

SWEET CLOVER

Applicant claims ownership of Registration No. 196,306.
For Formula Feeds for Poultry, and Cornmeal for Human Consumption.
Claims use since January 1900.

Ser. No. 552,506. Southern Biscuit Company, Incorporated, Richmond, Va., assignor to Weston Biscuit Company Inc., a corporation of Delaware. Filed Mar. 19, 1948. (Sec. 2f.)

WHEATCHEES

Applicant claims ownership of Registration No. 334,853.
For Crackers.
Claims use since Apr. 1, 1935.

Ser. No. 554,910. Monsanto Chemical Company, St. Louis, Mo. Filed Apr. 17, 1948.

MONSANTO

For Flavors and Chemical Adjuvants for Foods—Namely, Food Flavors in Solid or Liquid Form; Curing Preparations Which Impart Flavor; Food Preservative Compositions; Phosphate Salts Used as Ingredients in Baking Powders, Prepared Leavened Mixes, Self-Rising Flours, and in Similar Baking Preparations.
Claims use since February 1945.

Ser. No. 557,427. Berneralpen Milchgesellschaft, doing business as Societe Laitiere des Alpes Bernoises and as Bernese Alps Milk Co., Stalden, Switzerland. Filed May 20, 1948.



The word "Brand" is disclaimed. Applicant claims ownership of Swiss Registration No. 65,007, dated May 27, 1927.
For Sterilized Milk, Concentrated Milk, Condensed Milk, Dried Milk, Evaporated Milk, Evaporated Cream, Sterilized Cream, Butter, Milk Powder, and Milk for Infants.

Ser. No. 558,672. R. Twining & Company, Limited, London, England. Filed June 7, 1948. (Sec. 2f.)

TWININGS

Applicant claims ownership of Registration No. 73,956.
For Tea, Coffee, Cocoa, and Chocolate.
Claims use since 1706; and first used in commerce between the United Kingdom and the United States since 1909.

Ser. No. 563,560. Walter Williams Candy Co., Oklahoma City, Okla. Filed Aug. 2, 1948.

Snack-a-Roons

The word "Snack" is disclaimed.
For Coconut Candy Bar.
Claims use since June 1, 1948.

Ser. No. 565,330. Food Fair Stores, Inc., Philadelphia, Pa. Filed Sept. 17, 1948. (Sec. 2f.)

FYNE-TASTE

For Canned Fruits and Vegetables; Canned Orange, Grapefruit, and Tomato Juices; Seafood—Namely, Tuna Fish; Spreads—Namely, Apple Butter, Peanut Butter, and Honey; Pickles, Olives, Vinegar, Mustard, Salt, and Evaporated Milk.
Claims use since Aug. 1, 1936.

Ser. No. 576,922. Wilbur Luikens, doing business as Holland American Seed Company, Grand Rapids, Mich. Filed Apr. 11, 1949.

DICKY BOY

For Mixture of Bird Seed.
Claims use since Dec. 31, 1931.

Ser. No. 580,770. Chunk-E-Nut Products Company, Inc., doing business as Chunk-E-Nut Products Co., Philadelphia, Pa. Filed June 20, 1949.



The word "Pop" is disclaimed.
For Raw Popping Corn.
Claims use since March 1946.

Ser. No. 584,487. Ferncliff Feed & Grain Co., Louisville, Ky. Filed Sept. 6, 1949.

CRACKER JACK

For Feeds Composed Principally of Grains for Horses, Mules, Dairy Cattle, Swine, and Poultry.
Claims use since 1919.

Ser. No. 589,280. Traders Oil Mill Company, Fort Worth, Tex. Filed Dec. 13, 1949.

CUD-CHU

The word "Chu" is disclaimed.
For Livestock Feed.
Claims use since Nov. 8, 1949.

Ser. No. 591,742. Les Frigoriferes du Littoral, Oostende, Belgium. Filed Jan. 31, 1950.



The drawing is lined to indicate the color green, the letter "N" being in light green, the representation of the fish being in light green with markings of dark green and the representation of the compass rose being in dark green on a light field. No claim is made to the exclusive use of the representation of a fish. Applicant claims ownership of Belgian Registration No. 450, dated July 1, 1949.
For Frozen (Quick-Deep Frozen) Fish and Canned Fish.

Ser. No. 592,422. Abraham Drach, Outremont, Montreal, Canada. Filed Feb. 14, 1950.

MENORAH BRAND

Priority under Sec. 44(d). Canadian Registration No. 204,153, filed Aug. 25, 1949. The word "Brand" is disclaimed. The words "Tov-Tov" and טוב-טוב are disclaimed apart from the mark as shown. The words "Tov-Tov" and their Hebraic equivalents are translated as "Good-Good."
For Cooked and Smoked Meats—Namely, Salami, Frankfurter, Boloney, Liverwurst; and Beef Products—Namely, Smoked Brisket Points, Smoked Ribs, Smoked Chucks, Smoked Plates, and Cooked Veal.

Ser. No. 595,533. California Packing Corporation, San Francisco, Calif. Filed Apr. 11, 1950.

Sugar Drop

For Dried Fruit.
Claims use since 1909.

Ser. No. 601,378. E. J. Russell, doing business as Independent Growers Co., Salinas, Calif. Filed July 28, 1950.

Growers Pride

The words "Growers" and "Quality" are disclaimed.
For Fresh Vegetables.
Claims use since Apr. 21, 1950.

Ser. No. 603,219. American Stores Company, Philadelphia, Pa. Filed Sept. 7, 1950. (Sec. 2f.)

Gwaltney Brand

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 421,234.
For Carcass Beef; Carcass Veal; Smoked Beef Loaf; Bacon; Canadian Style Bacon; Braunschweiger; Bologna Including Old-Fashioned Bologna, Ring Bologna, Bologna With Cereal Added, and Bologna With Dried Skim Milk Added; Sausage Including Pure Pork Sausage, Pure Pork Link Sausage, Smoked Sausage, Pressed Luncheon Sausage, and Liver Sausage; Frankfurters including Frankfurters With Dried Skim Milk Added and Frankfurters With Cereal Added; Skinless Frankfurters Including Skinless Frankfurters With Dried Skim Milk Added and Skinless Frankfurters With Cereal Added; Thuringer; Souse; Chili Con Carne; Cooked Salami; Lard; Ham; Canned Whole Chicken; and Dressed Turkey.
Claims use since January 1917.

Ser. No. 605,865. Megs Macaroni Company, Harrisburg, Pa. Filed Nov. 3, 1950.

"BOTT BOI"

The name "Bott" is disclaimed.
For Alimentary Paates—Namely, Noodles.
Claims use since June 6, 1950.

Ser. No. 607,195. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Dec. 1, 1950.

Prince Paul

The name "Prince Paul" is fanciful.
For Canned Fish.
Claims use since July 3, 1950.

Ser. No. 609,134. King Maljan & Company, El Centro, Calif. Filed Jan. 23, 1951.

King's Row

For Fresh Vegetables.
Claims use since Mar. 22, 1950.

Ser. No. 609,164. Carlos M. Bryant, doing business under the firm name and style of Sweetall Manufacturing Company, Williamstown, N. Y. Filed Jan. 24, 1951. (Sec. 2f.)

SWEETALL

For Mixing Ingredient To Be Mixed in Livestock Feed, the Primary Ingredients Being Concentrated Malt Sugar Syrup, Dried Corn Distillers Solubles, Anise Oil, Cocoa and Cocoa Shell Meal (Theobromine Extracted).
Claims use since Dec. 1, 1944.

Ser. No. 610,326. M & R Dietetic Laboratories, Inc., Columbus, Ohio. Filed Feb 20, 1951.

SIMILAC *Liquid*

The words "Liquid," "Research," "Nutrition" and "Service" are disclaimed. Applicant claims ownership of Registrations Nos. 227,045, 227,046, and 439,546.
For Liquid Milk Food Product for Dietary Uses and Especially Prepared for Infant Feeding.
Claims use since Jan. 27, 1951, as to the mark shown; and since Dec. 7, 1926, as to the word "Similac" and the letters "M & R."

Ser. No. 612,630. Sterwin Chemicals Inc., New York, N. Y. Filed Apr. 13, 1951.

NEOBAKASAL

For Seasoning Agent in Powder Form for Use in Connection With a Salt-Free Diet.
Claims use since Mar. 21, 1951.

Ser. No. 612,685. F & F Laboratories, Inc., Chicago, Ill. Filed Apr. 16, 1951.

goop

For Topping To Be Applied to Ice Cream, and for Use in Flavoring Milk.
Claims use since Apr. 9, 1951.

Ser. No. 615,286. Pickfair Associates, Fullerton, Calif. Filed June 16, 1951.

PICKFAIR

For Fresh Oranges.
Claims use since May 17, 1951.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 560,330. J. P. Gilman Granite Company, Kansas City, Kans. Filed June 28, 1948. (Sec. 2f.)



The words "Pink Granite" are disclaimed.
For Monuments, Markers, and Memorials.
Claims use since Jan. 2, 1930.

Ser. No. 606,926. Miller Dial and Name Plate Company, Los Angeles, Calif. Filed Nov. 25, 1950.

Foilcal

For Name Plates.
Claims use since Apr. 1, 1950.

Ser. No. 609,543. Farrington Texol Corporation, Walpole, Mass. Filed Feb. 2, 1951.

Farrington Texol

The word "Farrington" is disclaimed.
For Fabrics Coated or Impregnated for Resistance to Water and/or Mold and Sold as Artificial Leather.
Claims use since Dec. 20, 1950.

Ser. No. 612,059. Chicago Cardboard Company, Chicago, Ill. Filed Mar. 31, 1951.

WREN-MOTEL

The word "Wren" is disclaimed.
For Wren Houses Made of Weatherproofed Cardboard.
Claims use since Mar. 19, 1951.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 558,597. San Antonio Drug Company, San Antonio, Tex. Filed June 5, 1948. (Sec. 2f.)

CERT-(R)-FIED

Applicant claims ownership of Registrations Nos. 127,127 and 148,250.
For Various Drugs, Chemicals, and Pharmaceutical Preparations—Namely, Aceite Arreyano, Alum, Balme Tranquille, Balsam Copaiba, Bay Rum, Bismuth Subnitrate, Blue Vitriol, Borax, Boric Acid, Calomel, Camphorated Oil, Carbolic Acid, Cascara Sagrada, Castor Oil, Prepared Chalk, Chamomile Flowers, Chloroform, Citronella, Copperas, Cottonseed Oil, Cream of Tartar, Epsom Salts, Essence of Peppermint, Essence of Toronjil,

Flaxseed, Flowers of Sulfur, Formaldehyde, Glycerine, Gum Spirits Turpentine, Lavender Flowers, Mineral Oil for Medicinal Purposes, Nux Vomica, Olive Oil for Medicinal Purposes, Oxalic Acid, Paregoric, Potassium Permanganate, Pumice for Medicinal Purposes, Rose Leaves, Rosemary Leaves, Salicylic Acid, Saltpeter, Sassafras Bark, Senna Leaves, Sodium Bicarbonate, Spirits of Ammonia Aromatic, Spirits of Camphor, Spirits of Peppermint, Spirits of Turpentine, Sweet Spirit of Niter, Tincture of Iodine, and Witch Hazel.
Claims use since Sept. 1, 1928.

Ser. No. 574,134. Consolidated Cosmetics, Chicago, Ill. Filed Feb. 19, 1949.

PURGE

For Cleansing Cream, Night Cream, Hand Cream, Hand Lotion, Perfume, Face Powder, Lipstick, and Brilliantine.
Claims use since Feb. 16, 1949.

Ser. No. 576,646. Laboratoires Goupil-Savenor, Cachan, France. Filed Apr. 5, 1949.

FLUOCARIL

Applicant claims ownership of French Registration No. 392,040, dated July 5, 1946.
For Toothpaste Having Medicinal Characteristics.

Ser. No. 577,004. Societe Lancôme, S. A., Paris, France. Filed Mar. 11, 1949. (Sec. 2f.)



LANCÔME
MAQUILLAGE

Applicant claims ownership of French Registration No. 341,050, dated July 29, 1942.
For Face Powder, Lipstick, Rouge, Softening and Cleansing Creams, Cream Pastes for Imparting Color to the Skin, Make-Up for the Eyes, and Hair Lacquer.
Claims use since July 29, 1942, in France; and in commerce between foreign nations and the United States since July 29, 1942.

Ser. No. 589,569. The Cramer Chemical Co., Gardner, Kans. Filed Dec. 19, 1949. (Sec. 2f.)

SUN GLARE

Applicant claims ownership of Registration No. 432,933.
For Theatrical Grease Paint Used To Counteract Light Glare.
Claims use since January 1939.

Ser. No. 595,761. Clairol Incorporated, Stamford, Conn. Filed Apr. 15, 1950.



Applicant claims ownership of Registrations Nos. 302,399, 354,067, and others.
For Hair Tinting and Coloring Preparations.
Claims use since Mar. 1, 1950.

Ser. No. 596,129. Teekon Chemicals, Memphis, Tenn. Filed Apr. 21, 1950.

Teekon

For Preparation in Tablet Form for Use After Eating for the Purpose of Cleaning the Teeth and Preventing Tooth Decay.
Claims use since Aug. 8, 1949.

Ser. No. 597,767. Lucien Lelong, Inc., Chicago, Ill., assignor to Allan Marin, Chicago, Ill. Filed May 19, 1950.

Big Moment

For Perfumes.
Claims use since Apr. 20, 1950.

Ser. No. 599,644. John Hudson Moore, Inc., New York, N. Y. Filed June 23, 1950.

Sportsman 'D-BAR'

Applicant claims ownership of Registrations Nos. 409,660, 392,384, 392,112, and 418,223.
For Solidified Deodorant for Personal Use.
Claims use since June 13, 1950.

Ser. No. 600,206. Alannize Enterprises, New York, N. Y. Filed July 5, 1950.



The words "In a Jar" is disclaimed.
For Hair Cream.
Claims use since Sept. 1, 1946.

Ser. No. 600,617. John Robert Powers Products Co., Inc., Wilmington, Del., and New York, N. Y. Filed July 13, 1950.

"Cool and Collected"

The word "Cool" is disclaimed.
For Body Lotion in the Nature of a Skin Freshener.
Claims use since June 22, 1950.

Ser. No. 601,293. Grant T. Whiteside, doing business as Grant Company, Sabina, Ohio. Filed July 26, 1950.

Ta Wa Na

For Cosmetics and Toilet Preparations—Namely, Face Powders, Lipsticks, Rouges, Nail Polish, Cleansing Cream, Liquifying Cleansing Cream, Normal Night Skin Cream, Special Night Skin Cream, Special Super Rich Dry Skin Cream, Special Dry Skin Cream, Oily Skin Cream, Special

Purpose Cream, Cold Cream, Eye Cream, Foundation Cream, Liquid Milk Cleansing Cream, Hand Creams, Hand and Skin Lotions, Beauty Masque, Mascara, Foundation Finishing Lotion, Skin Freshener Pick-Up Lotion, Facial Astringent, Shave Lotion, Sun Tan Lotion, Hair Lotion, Deodorants, Talcum, Perfume, Cologne, Filled Sachets.
Claims use since Jan. 14, 1950.

Ser. No. 607,044. Frances Rothchild, doing business under the name Lenel Co., Dallas, Tex. Filed Nov. 28, 1950.

SUBLIME

For Cologne, Perfume, Sachet Powder, and Talcum Powder.
Claims use since Sept. 25, 1950.

Ser. No. 607,857. Lorene Grigsby Grate, doing business as Lorene Grigsby, Miami, Fla. Filed Dec. 19, 1950.

Rose Petal

The word "Rose" is disclaimed.
For Lip Rouge Compositions.
Claims use since Jan. 31, 1949.

Ser. No. 610,619. Cecile Gagnon Company, White Plains, N. Y. Filed Feb. 28, 1951.

Dear to Me

For Perfume and Cologne.
Claims use since Dec. 1, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 588,623. American Stores Company, Philadelphia, Pa. Filed Dec. 1, 1949. (Sec. 2f.)

SPEEDUP

Applicant claims ownership of Registration No. 351,756.
For Window Cleaner, Glass Wax, French Dry Cleaner, Soap Flakes, and Granulated Soap.
Claims use since Sept. 25, 1940.

Ser. No. 588,836. The Muench Laboratories, St. Louis, Mo. Filed Nov. 16, 1949.

GOOP

For Hand Cleaner.
Claims use since Aug. 30, 1949.

Ser. No. 592,166. Service Industries (a trust), Philadelphia, Pa. Filed Feb. 8, 1950.

Foil

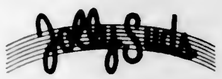
For All Purpose Cleaner.
Claims use since Jan. 19, 1950.

Ser. No. 593,156. J. & E. Atkinson Limited, London, England. Filed Feb. 28, 1950. (Sec. 2f.)



Applicant claims ownership of British Registration No. 578,243, dated June 30, 1937, and United States Registrations Nos. 293,177, 293,179, 513,849, 513,850, and 516,282.
For Perfumed Soap.
Claims use since 1934; and first used in commerce between foreign nations and the United States in 1937.

Ser. No. 594,716. Hylo Company, Inc., Houston, Tex. Filed Mar. 27, 1950.



The word "Suds" is disclaimed.
For Washing Powder.
Claims use since Feb. 16, 1950.

Ser. No. 599,687. Allied Chemical & Dye Corporation, New York, N. Y. Filed June 24, 1950.

NO. 615

For Detergent for Washing Dishes, Glassware, Walls, Floors and Dairy Utensils and for General Cleaning Purposes.
Claims use since 1950.

Ser. No. 600,306. Nocon Products Corporation, New York, N. Y. Filed July 6, 1950.

LAUNDRO★SUDS

The word "Suds" is disclaimed.
For Washing Compound Producing Suds Sold in Powdered Form.
Claims use since Apr. 1, 1950.

Ser. No. 600,445. Rapidol Distributing Corporation, New Hyde Park, N. Y. Filed July 10, 1950.

A 4 STAR★★★★ BEAUTY AID

The words "Beauty Aid" are disclaimed. Applicant claims ownership of Registrations Nos. 273,532 and 336,891.
For Shampoo, a Conditioning Shampoo, a Conditioning Shampoo With Essential Oils, a Shampoo Tint, and a Shampoo Tint in Various Colors.
Claims use since May 1, 1935.

Ser. No. 600,667. Grace-Lee Products Inc., Minneapolis, Minn. Filed July 14, 1950.

G-L SYNTRATE

Applicant claims ownership of Registration No. 300,312.
For Synthetic Liquid Detergent for Mopping Floors.
Claims use since May 3, 1950.

Ser. No. 600,670. Grace-Lee Products Inc., Minneapolis, Minn. Filed July 14, 1950.

SHI-NIZE

For Synthetic Powdered Detergent for Hand Dish Washing, Laundry, and General Cleaning.
Claims use since Oct. 13, 1941.

Ser. No. 603,583. The Grove Laboratories, Inc., St. Louis, Mo. Filed Sept. 15, 1950. (Sec. 2f.)

Fitch

Applicant claims ownership of Registrations Nos. 69,936, 516,740, and 539,256.
For Shampoo for the Hair.
Claims use since 1893.

Ser. No. 603,691. La Maur, Incorporated, Minneapolis, Minn. Filed Sept. 18, 1950.

Godan

For Hair Shampoo in Liquid Form.
Claims use since June 28, 1950.

Ser. No. 605,598. Manhattan Soap Company, Inc., New York, N. Y. Filed Oct. 30, 1950.

SWEETHEART

Applicant claims ownership of Registrations Nos. 47,877, 364,308, and others.
For Toilet Soap.
Claims use since 1903.

Ser. No. 609,417. Jay H. Quinn, doing business as Reading Testing Laboratories, Reading, Pa. Filed Jan. 30, 1951.

LABISOL

For Solution for Cleaning Needles on Full Fashioned Knitting Machines.
Claims use since Sept. 27, 1950.

Ser. No. 610,932. Virginia-Carolina Chemical Corporation, Richmond, Va. Filed Mar. 6, 1951.

TRUE

Applicant claims ownership of Registration No. 511,475.
For Machine Dishwashing Compound.
Claims use since Oct. 18, 1949.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 592,168. The Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., Detroit, Mich. Filed Feb. 8, 1950. COLLECTIVE MARK.



The drawing is lined for blue but color is not claimed.
Applicant claims ownership of Registration No. 432,435.
For Stimulating and Maintaining Interest in the Preservation and Encouragement of Barber Shop Quartet Singing by the Members Holding Local and Nationwide Contests and Giving Concerts.
Claims use since March 1944.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 541,620. Westcott & Greis, Inc., Tulsa, Okla. Filed Nov. 18, 1947. (Sec. 2f.)



The term "Measurement & Control" is disclaimed.
For Installation, Calibration, Adjustment, Repair, Inspection, and Maintenance of Measurement and Control Equipment—Namely, Gas and Liquid Meters, Gauges, Flow Control Instruments, and Regulators.
Claims use since 1923.

CLASS 104

COMMUNICATION

Ser. No. 612,466. Mutual Broadcasting System, Inc., New York, N. Y. Filed Apr. 10, 1951.



For Radio Broadcasting Services.
Claims use since Nov. 30, 1949.

Ser. No. 612,467. Mutual Broadcasting System, Inc., New York, N. Y. Filed Apr. 10, 1951.

"Mister PLUS"

For Radio Broadcasting Services.
Claims use since Nov. 30, 1949.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,618. Metallic Surface Coating for Metal Parts of Articles of Manufacture. Lektrolite Corporation, New York, N. Y.
Filed June 22, 1946, Serial No. 504,441. Published Oct. 9, 1951. Class 6.

444,619. Fishing Tackle—Namely, Leaders, Spinners, Artificial Lures, Leader Materials, Sinkers, Shelled Leaders, Weedless Hooks, and Spoons. Foster Leader and Tackle Co., Minneapolis, Minn., assignor to Strike-Master, Inc., Minneapolis, Minn., a corporation of Minnesota.
Filed July 24, 1946, Serial No. 506,219. Published Sept. 4, 1951. Class 22.

444,620. Soap Powder Combined With Mineral Ingredients. The Cudahy Packing Co., Chicago, Ill.
Filed July 31, 1946, Serial No. 506,584. Published Oct. 2, 1951. Class 52.

444,621. High Pressure Metal Gaskets. Henry M. Smith, doing business as Southern California Oil Tool Company, Bell, Calif.
Filed Dec. 27, 1946, Serial No. 514,913. Published Aug. 17, 1948. Class 35.

444,622. Photofluorographic X-Ray Machines for Industrial Purposes, Parts Therefor, Etc. The Kelley-Koett Manufacturing Company, Covington, Ky.
Filed Jan. 23, 1947, Serial No. 516,201. Published Sept. 11, 1951. Class 26.

ACT OF 1946, PRINCIPAL REGISTER

552,401. Toy Rattles, Roly Poly Toys—Namely, Toys Constructed To Roll Without Being Knocked Over; Soft Toys—Namely, Toys Stuffed With Soft Material and Simulating Different Beings; and Bead Toys—Namely, Toys Formed From Wooden Discs, Segments, Beads or the Like, and Strung Together To Produce Figures Such as Dolls. A. S. Lazarus & Co., Inc., New York, N. Y., assignee, by mesne assignments, of A. S. Lazarus & Co., Inc.
Original filed, act of 1905, Mar. 14, 1942; amended to application under act of 1946, Principal Register, May 13, 1949, Serial No. 451,628. Published Sept. 11, 1951. Class 22.

552,402. Cured, Boned, and Smoked Pork Products—Namely, Hams. Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa.
Original filed, act of 1905, Dec. 2, 1946; amended to application under act of 1946, Principal Register, June 18, 1951, Serial No. 513,593. Published Sept. 11, 1951. Class 46.

552,403. Electrical Psychophysical Apparatus for Use in Observing Time Relations Between Stimuli and the Physical Reactions and Responses Thereto. Vector Manufacturing Company, Houston, Tex.
Original filed, act of 1905, Feb. 6, 1947; amended to application under act of 1946, Principal Register, Jan. 8, 1948, Serial No. 517,096. Published Sept. 4, 1951. Class 26.

552,404. Unfinished Plywood Shapes in the Form of Shells and Panels. Haskelite Manufacturing Corporation, Grand Rapids, Mich.
Filed July 19, 1947, Serial No. 529,530. Published Jan. 6, 1948. Class 12.

552,405. Bibb Washers, Gaskets, Spud Washers, and Valve Diaphragms. Leader Specialty Company, Indianapolis, Ind.
Filed Aug. 20, 1947, Serial No. 531,921. Published Oct. 9, 1951. Class 35.

552,406. Wheat Flour, Bran, Corn Meal, Graham Flour, and Animal Feeds—Namely, Middlings, Mixed Feed, Etc. The Loudonville Milling Company, Loudonville, Ohio, assignors to Standard Milling Company, Chicago, Ill., a corporation of Illinois.
Filed Aug. 28, 1947, Serial No. 532,734. Published Sept. 18, 1951. Class 46.

552,407. Hosiery. Elliott Knitting Mills, Inc., Hickory, N. C.
Filed Oct. 28, 1947, Serial No. 539,294. Published Oct. 2, 1951. Class 39.

552,408. Men's and Women's Out Door Shoes—Namely, Ski-Shoes. Julius Goldstein & Sons Co., Boston, Mass.
Filed Nov. 10, 1947, Serial No. 540,663. Published Sept. 4, 1951. Class 39.

552,409. Cotton Thermal Insulating Material, in Loose, Bat, or Roll Form. H. & D. Co., Waco, Tex.
Filed Nov. 17, 1947, Serial No. 541,417. Published Sept. 11, 1951. Class 12.

552,410. Poultry and Cattle Pellets Consisting Principally of Fish Products and Feed Grains; Rabbit Pellets Consisting Principally of Fish Products, Feed Grains and Dried Beet Pulp; Hog Feed Pellets Consisting Principally of Digestor Tankage, Feed Grains and Meals; Dairy Feeds Consisting Principally of Feed Grains. Puritan Mills, Atlanta, Ga.
Filed Dec. 22, 1947, Serial No. 545,166. Published Sept. 25, 1951. Class 46.

552,411. Locking Closure Caps for Automobile Gasoline Tanks. Stant Manufacturing Company, Connersville, Ind.
Filed Dec. 26, 1947, Serial No. 545,554. Published Oct. 9, 1951. Class 25.

552,412. Polishing Wheels and Buffs. Hanson-Van Winkle-Munning Company, Matawan, N. J.
Filed Jan. 30, 1948, Serial No. 548,364. Published Oct. 2, 1951. Class 4.

552,413. Baby Pants. Rand Rubber Company, Inc., Brooklyn, N. Y.
Filed Feb. 25, 1948, Serial No. 550,553. Published Oct. 2, 1951. Class 39.

552,414. Temperature Control and Regulating Systems for Liquid Cooled or Air Cooled Internal Combustion Engines—Namely, Thermostatically Operated Valves Controlling the Flow of Cooling Liquid or Cooling Air. General Controls Co., Glendale, Calif.
Filed Apr. 5, 1948, Serial No. 553,845. Published Sept. 4, 1951. Class 26.

552,415. Temperature Control and Regulating Systems for Liquid Cooled or Air Cooled Internal Combustion Engines—Namely, Thermostatically Operated Valves Controlling the Flow of Cooling Liquid or Cooling Air. General Controls Co., Glendale, Calif.
Filed Apr. 5, 1948, Serial No. 553,847. Published Sept. 4, 1951. Class 26.

552,416. Bloated Clay and Shales. Midwest Marble & Tile Company, Incorporated, Washington, D. C.
Filed Apr. 19, 1948, Serial No. 554,996. Published Aug. 2, 1949. Class 1.

552,417. Scalpels; Elastic and Non-Elastic Bandages, Etc. Institutional Products Company, New York, N. Y., assignor to Institutional Products Corporation, New York, N. Y., a corporation of New York.
Filed Apr. 24, 1948, Serial No. 555,522. Published Sept. 25, 1951. Class 44.

552,418. Optical Lenses and Devices Incorporating Such Lenses—Namely, Telescopes, Bore Sighting Kits for Guns Comprising Lenses, Sighting Tubes and Adapters and Projection Lenses and Lens Mounts. Swain Nelson Company, Glenview, Ill.
Filed June 14, 1948, Serial No. 559,188. Published Sept. 11, 1951. Class 26.

552,419. Electrical Apparatus—Namely, Condensers, Capacitors, Rectifiers, Etc. Industria e Comercio Assuncão S. A., Sao Paulo, Brazil.
Filed June 24, 1948, Serial No. 560,109. Published June 26, 1951. Class 21.

552,420. Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric. The Boss Manufacturing Company, Kewanee, Ill.
Filed June 25, 1948, Serial No. 560,175. Published July 19, 1949. Class 39.

552,421. Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric. The Boss Manufacturing Company, Kewanee, Ill.
Filed June 25, 1948, Serial No. 560,176. Published July 19, 1949. Class 39.

552,422. Medicine Cabinets. Hall-Mack Company, Los Angeles, Calif.
Filed June 15, 1948, Serial No. 563,046. Published Oct. 2, 1951. Class 32.

552,423. Hard, Flat Plastic Sheets, Cut to Size, Plain and Also Laminated to Wood, for Covering Table, Counter, and Cabinet Tops. Decar, Inc., Middleton, Wis.
Filed Aug. 24, 1948, Serial No. 563,913. Published Oct. 2, 1951. Class 32.

552,424. Basketball Sets. The Vernon Company, Newton, Iowa.
Filed Aug. 31, 1948, Serial No. 564,486. Published Sept. 4, 1951. Class 22.

552,425. Asbestos Siding and Shingles. Asbestos Limited, Inc., Millington, N. J., now by change of name Smith Asbestos Products, Inc., a corporation of New York.
Filed Sept. 10, 1948, Serial No. 564,920. Published Sept. 11, 1951. Class 12.

552,426. Automobile Accessories—Namely, Front Fender Shields, Rear Fender Shields, Fender Skirts, Hub Caps, Auto Moldings, and Curb Feelers. Williams & Bennett Co., Los Angeles, Calif.
Filed Sept. 11, 1948, Serial No. 565,028. Published Sept. 11, 1951. Class 19.

552,427. Fresh Potatoes. Food Fair Stores, Inc., Philadelphia, Pa.
Filed Sept. 17, 1948, Serial No. 565,328. Published Sept. 18, 1951. Class 46.

552,428. Electrically Operated Heating Apparatus for Use in Conjunction With Paint Spraying and Similar Apparatus. Louis Beck, Jr., doing business as Beck Equipment Company, Cleveland, Ohio.
Filed Oct. 1, 1948, Serial No. 566,206. Published Sept. 25, 1951. Class 21.

552,429. Medicinal Preparation for the Treatment of Micro Organic Infections. Schering Corporation, Bloomfield, N. J.
Filed Oct. 5, 1948, Serial No. 566,477. Published Sept. 11, 1951. Class 18.

552,430. Coal. The Kiener Coal Company, Cleveland, Ohio.
Filed Oct. 21, 1948, Serial No. 567,741. Published Oct. 9, 1951. Class 1.

552,431. Toilet Soap. Bathasweet Corporation, New York, N. Y.
Filed Nov. 5, 1948, Serial No. 568,232. Published Oct. 2, 1951. Class 52.

552,432. Dry Cell and Flashlight Batteries. McCrory Stores Corporation, New York, N. Y.
Filed Nov. 17, 1948, Serial No. 568,962. Published July 24, 1951. Class 21.

552,433. Electronic Instruments for Inspecting Time Pieces as to Rate and Vibratory Characteristics. Vincent J. Marcellino, doing business as Central Electronics Company, Boston, Mass.
Filed Nov. 18, 1948, Serial No. 569,005. Published Aug. 21, 1951. Class 26.

552,434. Parenteral Solution of Amphetamine Sulfate for Veterinary Use. Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind.
Filed Nov. 26, 1948, Serial No. 569,419. Published Sept. 11, 1951. Class 18.

552,435. Cereal Breakfast Foods. Kellogg Company, Battle Creek, Mich.
Filed Dec. 11, 1948, Serial No. 570,367. Published Sept. 25, 1951. Class 46.

552,436. Binocular Glasses, Field Glasses, Opera or Theatre Glasses, Magnifying Glasses, Telescopes, and Microscopes. Thalson Company, San Francisco, Calif.
Filed Dec. 17, 1948, Serial No. 570,734. Published Sept. 11, 1951. Class 26.

552,437. Ready-Mixed Paints. The Patterson-Sargent Company, Cleveland, Ohio.
Filed Dec. 18, 1948, Serial No. 570,792. Published Oct. 9, 1951. Class 16.

552,438. Farina Food for Infants. Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands.
Filed Dec. 21, 1948, Serial No. 570,906. Published Aug. 7, 1951. Class 46.

552,439. Fresh Citrus Fruits. Etiwanda Citrus Fruit Association, Etiwanda, Calif.
Filed Dec. 27, 1948, Serial No. 571,125. Published Oct. 2, 1951. Class 46.

552,440. Thermostatic-Electric Control Units for Heating Systems. Hoffman Specialty Company, Indianapolis, Ind.
Filed Dec. 27, 1948, Serial No. 571,142. Published Aug. 21, 1951. Class 26.

552,441. Film, Rod, Tubing, Tape, and Sheet Formed of Resinous Plastic Materials Including Polystyrene, Methacrylate, Cellulose Acetate, Cellulose Acetate Butyrate, and Polyethylene. Plax Corporation, West Hartford, Conn.
Filed Jan. 13, 1949, Serial No. 572,119. Published Oct. 9, 1951. Class 1.

552,442. Canned Fish. Sunset Packing Co., Inc., Pembroke and West Pembroke, Maine.
Filed Feb. 17, 1949, Serial No. 574,065. Published Sept. 18, 1951. Class 46.

552,443. Agricultural Fungicides, Which May Also Be Used as Insecticides. Central Chemical Corporation, Hagerstown, Md.
Filed Feb. 24, 1949, Serial No. 574,409. Published Oct. 9, 1951. Class 6.

552,444. Linen Piece Goods, Rayon Piece Goods, Cotton Piece Goods, Linen Damask Piece Goods, Linen Damask Cloths, Linen Damask Napkins, Cotton and Rayon Damask Cloths and Napkins, Linen Huck Towels, Fancy Weave Towels, and Hemstitched Linen Sheets and Pillowcases. The Old Bleach Linen Company, Limited, Randalstown, Ireland.
Filed Mar. 12, 1949, Serial No. 575,370. Published Sept. 4, 1951. Class 42.

552,445. Livestock Spray, Liquid Radiator Stop Leak, Etc. Phillips Petroleum Company, Bartlesville, Okla.
Filed Mar. 14, 1949, Serial No. 575,426. Published Oct. 9, 1951. Class 6.

552,446. Enamel Paint and Varnish. Stewart Paint Manufacturing Company, Minneapolis, Minn.
Filed Mar. 19, 1949, Serial No. 575,725. Published Oct. 16, 1951. Class 16.

552,447. Outside Metal Blinds, Embodying Movable Louvers, for Use in Building Openings. Resist All Inc., Oklahoma City, Okla.
Filed Mar. 30, 1949, Serial No. 576,362. Published Sept. 11, 1951. Class 12.

552,448. Pads Containing Hair, Used for Cushions, Mattresses, and Upholstery. Armour and Company, doing business under the trade style Armour Curled Hair Works, Chicago, Ill.
Filed Apr. 29, 1949, Serial No. 577,930. Published Oct. 2, 1951. Class 32.

552,449. Spring Assemblies for Mattresses. Nachman Corporation, Chicago, Ill.
Filed May 5, 1949, Serial No. 578,277. Published Oct. 2, 1951. Class 32.

552,450. Apparatus for Collecting Fractions or Samples of Materials for Chromatographic Analysis or Other Purposes. Technicon Chromatography Corporation, New York, N. Y., assignor to The Technicon Company, New York, N. Y., a partnership composed of Edwin C. Weiskopf and Edwin C. Whitehead.
Filed May 12, 1949, Serial No. 578,740. Published Sept. 18, 1951. Class 26.

552,451. Hair Conditioning Cream. Relax-O Co., Chicago, Ill.
Filed May 5, 1949, Serial No. 578,855. Published Sept. 18, 1951. Class 51.

552,452. Drain Pipe Solvent Compound. Metropolitan Refining Co., Inc., New York, and Long Island City, N. Y.
Filed June 4, 1949, Serial No. 579,991. Published Oct. 2, 1951. Class 52.

552,453. Mattresses. Inland Bed Company, Chicago, Ill.
Filed June 8, 1949, Serial No. 580,137. Published July 25, 1950. Class 32.

552,454. Hemostatic. Flint, Eaton and Company, Decatur, Ill.
Filed July 8, 1949, Serial No. 581,653. Published Aug. 21, 1951. Class 18.

552,455. Wheat Germ Complex for Medical Use During Pregnancy. Flint, Eaton and Company, Decatur, Ill.
Filed July 8, 1949, Serial No. 581,656. Published Aug. 21, 1951. Class 18.

552,456. Synthetic Detergent for Laundering Purposes and Other General Household Cleaning Purposes. Armour and Company, Chicago, Ill.
Filed July 12, 1949, Serial No. 581,793. Published Oct. 2, 1951. Class 52.

552,457. Liquid Milk. The American Jersey Cattle Club, Columbus, Ohio.
Filed July 22, 1949, Serial No. 582,336. Published Sept. 4, 1951. Class 46.

552,458. Tablets for Hyperacidity of the Stomach. Townsend Medicine Co., Inc., Minneapolis, Minn.
Filed July 25, 1949, Serial No. 582,507. Published Aug. 14, 1951. Class 18.

552,459. Sudsing Cleaner, Cleanser, and Detergent. Colgate-Palmolive-Peet Company, Jersey City, N. J.
Filed July 29, 1949, Serial No. 582,675. Published Oct. 2, 1951. Class 52.

552,460. Developers Consisting of a Mixture of Electroscopic Powder and Granular Material Used for Producing Powder Images in Making Electrophotographic Copies, Etc. The Haloid Company, Rochester, N. Y.
Filed July 29, 1949, Serial No. 582,683. Published Oct. 9, 1951. Class 6.

552,461. Canned Fish. Arnold Vogl, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine.
Filed July 29, 1949, Serial No. 582,713. Published Sept. 18, 1951. Class 46.

552,462. Lumber. Willamette Valley Lumber Co., Dallas, Oreg.
Filed Aug. 27, 1949, Serial No. 584,179. Published Sept. 11, 1951. Class 12.

552,463. Grooved Phonograph Records of Religious Recordings of Music and Prose. George Wendell Adams, Francis Lyster Jandron, Alfred Pittman, L. Ivimy Gwalter, and Clayton B. Craig, Boston Mass., trustees under the will of Mary Baker G. Eddy, deceased.
Filed Sept. 13, 1949, Serial No. 584,741. Published Oct. 9, 1951. Class 36.

552,464. Vitamin Preparations, Laxatives, Germicides, Antiseptic Mouth Washes, Rubbing Alcohols, Aspirin, and Antacid Preparations. Jordan Marsh Company, Boston, Mass.
Filed Sept. 22, 1949, Serial No. 585,176. Published Sept. 11, 1951. Class 18.

552,465. Instruments for Mechanical Drawing—Namely, Dividers, Pen and Pencil Compasses, and Ruling Pens. The Frederick Post Company, Chicago, Ill.
Filed Sept. 29, 1949, Serial No. 585,526. Published Sept. 11, 1951. Class 26.

552,466. Hair Conditioning Creme. Milbern Laboratories, Inc., Brooklyn, N. Y.
Filed Sept. 30, 1949, Serial No. 585,596. Published Sept. 18, 1951. Class 51.

552,467. Multi-Vitamin and Multi-Mineral Preparation. Ralph I. Guy, doing business under the fictitious name and style of The Rig Company, Glendale, Calif.
Filed Oct. 5, 1949, Serial No. 585,794. Published Aug. 14, 1951. Class 18.

552,468. Preparation Used for the Treatment of Skin Irritations. Ralph I. Guy, doing business under the fictitious name and style of The Rig Company, Glendale, Calif.
Filed Oct. 5, 1949, Serial No. 585,796. Published Aug. 14, 1951. Class 18.

552,469. Leather. Regis Leather Company, Peabody, Mass.
Filed Oct. 21, 1949, Serial No. 586,652. Published Sept. 25, 1951. Class 1.

552,470. Airplanes and Structural Parts Thereof. Piper Aircraft Corporation, Lock Haven, Pa.
Filed Nov. 8, 1949, Serial No. 587,501. Published Sept. 18, 1951. Class 19.

552,471. Preparation for Cleaning and Polishing Hard Finished Surfaces. Thomas Lee Edward Cobb, doing business as Blue Seal Products, Kennett, Mo.
Filed Sept. 12, 1949, Serial No. 587,581. Published Oct. 2, 1951. Class 4.

552,472. Anti-Coagulant—Namely, Prevention of Coagulation of the Blood. Geigy Company, Inc., New York, N. Y.
Filed Nov. 12, 1949, Serial No. 587,676. Published Aug. 14, 1951. Class 18.

552,473. Canned Fish. Hovden Food Products Corporation, Monterey, Calif.
Filed Dec. 2, 1949, Serial No. 588,690. Published Aug. 7, 1951. Class 46.

552,474. Measuring or Laboratory Equipment—Namely, Reading Telescopes, Etc. George R. McDonald, doing business as Pantechnical Manufacturing Company, Berkeley, Calif.
Filed Dec. 9, 1949, Serial No. 589,102. Published Aug. 21, 1951. Class 26.

552,475. Raw, Whole Yams. Dupuis Produce Company, Breaux Bridge, La.
Filed Dec. 27, 1949, Serial No. 589,959. Published Aug. 7, 1951. Class 46.

552,476. Ready Mixed Paints, Lacquers, Enamels, Shellac, Varnish Stains, Varnishes, Paint Thinners, Etc. Supplee-Biddle-Steltz Company, Philadelphia, Pa.
Filed Jan. 11, 1950, Serial No. 590,716. Published Oct. 9, 1951. Class 16.

552,477. Dressed Dolls. Ruth Gibbs, Inc., Flemington, N. J.
Filed Jan. 18, 1950, Serial No. 591,031. Published Sept. 4, 1951. Class 22.

552,478. Ophthalmic Frames and Mountings. American Optical Company, Southbridge, Mass.
Filed Jan. 27, 1950, Serial No. 591,541. Published Sept. 26, 1950. Class 26.

552,479. Preparations for the Relief of the Symptoms of Colds and Hay Fever. The Pinex Company, Inc., Fort Wayne, Ind.
Filed Feb. 9, 1950, Serial No. 592,220. Published Aug. 14, 1951. Class 18.

552,480. Preparation for Holding Dentures in Place While in Use. Plasti-Liner Co., Inc., Buffalo, N. Y.
Filed Feb. 11, 1950, Serial No. 592,406. Published Sept. 18, 1951. Class 51.

552,481. Wheat Flour. The Mennel Milling Company, Fostoria and Toledo, Ohio.
Filed Nov. 4, 1949, Serial No. 593,035. Published Sept. 25, 1951. Class 46.

552,482. Indicating and/or Recording Instruments for Measuring the Value of a Condition, Etc. Bendix Aviation Corporation, Detroit, Mich.
Filed Feb. 28, 1950, Serial No. 593,159. Published Sept. 18, 1951. Class 26.

552,483. Laxative. D. C. Jones, doing business under the name and style of Ozark Remedy Company, High Springs, Fla.
Filed Mar. 3, 1950, Serial No. 593,356. Published July 31, 1951. Class 18.

552,484. Artificial Bait. E. C. Gregg, Bradenton, Fla.
Filed Mar. 7, 1950, Serial No. 593,537. Published Sept. 4, 1951. Class 22.

552,485. Button Gauge. Kenneth R. Wilson, doing business as Homemaker Products, Antioch, Ill.
Filed Mar. 30, 1950, Serial No. 594,936. Published Sept. 11, 1951. Class 26.

552,486. Airplanes and Parts Thereof. Douglas Aircraft Company, Inc., Santa Monica, Calif.
Filed Apr. 6, 1950, Serial No. 595,312. Published Sept. 11, 1951. Class 19.

552,487. Medical Preparation—Namely, an Elastic Dressing Useful in Preparing Flexible Casts for the Treatment of Varicose Ulcers. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 7, 1950, Serial No. 595,402. Published Aug. 28, 1951. Class 18.

552,488. B-Complex Capsules, Tonic and Hematinic Elixir, Etc. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 7, 1950, Serial No. 595,411. Published Aug. 28, 1951. Class 18.

552,489. Medicinal Preparation in Capsule Form—Namely, a Hormone Vitamin Product Indicated for Use in the Management of Atherosclerosis and for Hypotonia. Mezger Pharmacal Co., Inc., Roslyn Heights, N. Y.
Filed Apr. 20, 1950, Serial No. 596,040. Published Sept. 18, 1951. Class 18.

552,490. Doll's Accessory—Namely, a Toy Boot. Gem Rubber Corporation, New York, N. Y.
Filed Apr. 25, 1950, Serial No. 596,277. Published Sept. 11, 1951. Class 22.

552,491. Tabulators and Counters for Classifying and Registering the Number or Quantity of Various Items, Payroll Denominating, Etc. The Denominator Company, New York, N. Y.
Filed May 3, 1950, Serial No. 596,781. Published Aug. 21, 1951. Class 26.

552,492. Penetrating Oils. The Pep Boys—Manny, Moe & Jack, Philadelphia, Pa.
Filed May 5, 1950, Serial No. 596,943. Published Sept. 4, 1951. Class 15.

552,493. Basketball Covers, Football Covers, and Soccer Ball Covers. The Sun Rubber Company, Barberton, Ohio.
Filed May 10, 1950, Serial No. 597,237. Published Sept. 4, 1951. Class 22.

552,494. Compositions Comprising Choline and Inositol. Commercial Solvents Corporation, New York, N. Y.
Filed May 11, 1950, Serial No. 597,252. Published Aug. 21, 1951. Class 18.

552,495. Canned Foods—Namely, Canned Fish, Canned Pork, Canned Fruits, and Canned Vegetables. Aliança Exportadora, Limitada, Lisbon, Portugal.
Filed May 17, 1950, Serial No. 597,568. Published Sept. 18, 1951. Class 46.

552,496. Preparations for the Treatment of Hair—Namely, Shampoos. Raymond Laboratories, Inc., St. Paul, Minn.
Filed May 24, 1950, Serial No. 598,022. Published Oct. 2, 1951. Class 52.

552,497. General Purpose Soapless Detergent. Leon C. Schrack, doing business as Columbia Products Co., Columbus, Ohio.
Filed June 5, 1950, Serial No. 598,608. Published Oct. 2, 1951. Class 52.

552,498. Bicycles. Monark Silver King, Inc., Chicago, Ill.
Filed June 6, 1950, Serial No. 598,667. Published Sept. 11, 1951. Class 19.

552,499. Bicycles. Monark Silver King, Inc., Chicago, Ill.
Filed June 6, 1950, Serial No. 598,668. Published Sept. 11, 1951. Class 19.

552,500. Sanitary Napkin-Holding Panties. Joan-Doug Undergarment Co., Inc., New York, N. Y.
Filed June 9, 1950, Serial No. 598,856. Published Sept. 25, 1951. Class 44.

552,501. Microscope Slides, Microscope Cover Glasses. Clay-Adams Company, Inc., New York, N. Y.
Filed June 13, 1950, Serial No. 598,981. Published Sept. 18, 1951. Class 26.

552,502. Children's Tricycles, Children's Bicycles—Having a Wheel Diameter of Less Than 14 Inches, Small Diameter Wheeled Sidewalk Bicycles, and Velocipedes. Stelber Cycle Corp., Brooklyn, N. Y.
Filed June 13, 1950, Serial No. 599,029. Published Oct. 9, 1951. Class 22.

552,503. Preparation in Capsule Form To Be Taken Internally for the Purification of the Blood, Alleviation of Skin Rashes or Similar Conditions, and for the Treatment of Kidney, Bladder, and Gallstone Disturbances. Institute Ingenbohl, Paradies, Ingenbohl, Canton Schwyz, Switzerland.
Filed June 14, 1950, Serial No. 599,100. Published Aug. 14, 1951. Class 18.

552,504. Salve Used in the Treatment of Burns, Cuts, Inflammation of the Skin, Suppuration, Sores, and Ulcers. Institute Ingenbohl, Paradies, Ingenbohl, Canton Schwyz, Switzerland.
Filed June 14, 1950, Serial No. 599,101. Published Aug. 14, 1951. Class 18.

552,505. Apparatus for Measuring Distance, Particularly Underwater Sound Apparatus—Namely, Apparatus for Determining Depths of Water, Soundings, and Distances by the Use of Reflected Sound Waves or by Similar Acoustic Methods; and Radar Apparatus—Namely, Apparatus for Detecting and Locating Objects by the Use of Radiated Electromagnetic Energy. Raytheon Manufacturing Company, Newton, Mass.
Filed June 15, 1950, Serial No. 599,190. Published Sept. 18, 1951. Class 26.

552,506. Air Cylinder Powered Measuring Pump Precisely Measuring and Dispensing Liquids Including Chemicals. Milton Roy Company, Philadelphia, Pa.
Filed June 15, 1950, Serial No. 599,194. Published Sept. 11, 1951. Class 26.

552,507. Mechanical Exercising Apparatus for Neuromuscular Rehabilitation. Wiltse Laboratories, Inc., New York, N. Y.
Filed June 19, 1950, Serial No. 599,405. Published Sept. 11, 1951. Class 44.

552,508. Perfumes and Toilet Waters. Manufacturers and Importers of French Perfumes, Inc., Dover, Del., and New York, N. Y.
Filed June 20, 1950, Serial No. 599,445. Published Sept. 25, 1951. Class 51.

552,509. Combination Bed and Divan. Burton-Dixie Corporation, Chicago, Ill.
Filed June 30, 1950, Serial No. 600,025. Published Oct. 9, 1951. Class 32.

552,510. Folding Tables and Folding Chairs. The James P. Luxem Co., Chicago, Ill.
Filed July 22, 1950, Serial No. 601,110. Published Oct. 9, 1951. Class 32.

552,511. Baby Chairs and Tables. Babyhood Industries, Inc., Worcester, Mass.
Filed July 25, 1950, Serial No. 601,188. Published Oct. 2, 1951. Class 32.

552,512. Ladies' Hosiery. Reamstown Hosiery Mills, Inc., Mohnton, Pa.
Filed July 29, 1950, Serial No. 601,465. Published Oct. 2, 1951. Class 39.

552,513. Mattresses, Pillows, Wood Bedsteads, and Upholstered Divans With Wood Headboards and Feet. William S. Toms Limited, High Wycombe, England.
Filed July 14, 1950, Serial No. 601,655. Published Oct. 9, 1951. Class 32.

552,514. Medical Preparation—Namely, an Injectable Solution for Treatment of Anemia. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Aug. 7, 1950, Serial No. 601,841. Published Aug. 14, 1951. Class 18.

552,515. Coin or Token Receiving and Registering Receptacles. Money-Meters, Inc., Providence, R. I.
Filed Aug. 9, 1950, Serial No. 601,994. Published Sept. 4, 1951. Class 26.

552,516. Medical Preparation—Namely, a Protective Soothing Antiseptic and Bacteriostatic External Application for Infants. Physicians & Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Aug. 10, 1950, Serial No. 602,061. Published Aug. 28, 1951. Class 18.

552,517. Hardwood Plywood Decorative Panel Used for Furniture, Cabinet, and Architectural Work. Georgia-Pacific Plywood & Lumber Co., Augusta, Ga.
Filed Aug. 18, 1950, Serial No. 602,393. Published Sept. 11, 1951. Class 12.

552,518. Medical Apparatus for Ultra-Sound Therapy Including Treatment Applicators for Contact With Body Parts To Be Sound-Treated. Ultrasonic Medical Equipment Corporation, New York, N. Y.
Filed Aug. 19, 1950, Serial No. 602,477. Published Sept. 11, 1951. Class 44.

552,519. Photoelectric Exposure Meter. Mitropa Corporation of New York, New York, N. Y.
Filed Aug. 26, 1950, Serial No. 602,812. Published Sept. 25, 1951. Class 26.

552,520. Metals and Alloys Comprising Boron, Ferro; Chromium, Ferro; Chromium Metal; Etc. Foote Mineral Company, Philadelphia, Pa.
Filed Aug. 28, 1950, Serial No. 602,835. Published Oct. 2, 1951. Class 14.

552,521. Precooked, Dried Cereals, Canned Vegetables, and Canned Fruits, Specially Prepared for Infants and Children. Mead Johnson & Company, Evansville, Ind.
Filed Sept. 1, 1950, Serial No. 603,072. Published Aug. 7, 1951. Class 46.

552,522. Women's Hosiery. Lilly Dache, Inc., New York, N. Y.
Filed Sept. 2, 1950, Serial No. 603,114. Published Sept. 25, 1951. Class 39.

552,523. Men's Under Shorts. Saluda Corporation, New York, N. Y.
Filed Sept. 21, 1950, Serial No. 603,859. Published Oct. 2, 1951. Class 39.

552,524. Hosiery for Men, Women, and Children. Thomas Hosiery Company, Inc., New York, N. Y.
Filed Sept. 28, 1950, Serial No. 604,165. Published Oct. 9, 1951. Class 39.

552,525. Drag Links and Tie Rod Ends for Automotive Vehicles. Barmatic Products Company, Cleveland, Ohio.
Filed Oct. 6, 1950, Serial No. 604,515. Published Sept. 4, 1951. Class 19.

552,526. Medicated Chewing Gum. American Chewing Products Corp., Newark, N. J.
Filed Oct. 10, 1950, Serial No. 604,681. Published Aug. 14, 1951. Class 18.

552,527. Medical Preparation—Namely, a Mild Counter-irritant and Analgesic Ointment. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Oct. 14, 1950, Serial No. 604,923. Published Aug. 14, 1951. Class 18.

552,528. Medical Preparation—Namely, Tablets of Choline, Methionine, and Inositol for Amino Acid Treatment. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Oct. 14, 1950, Serial No. 604,925. Published Aug. 14, 1951. Class 18.

552,529. Artificial Fish Lures. Bud Stewart Tackle Company, Flint, Mich.
Filed Oct. 14, 1950, Serial No. 604,936. Published Sept. 11, 1951. Class 22.

552,530. Metal Welding Electrodes. The International Nickel Company, Inc., New York, N. Y.
Filed Oct. 20, 1950, Serial No. 605,215. Published Sept. 25, 1951. Class 14.

552,531. Various Types of Chairs, Seating and Other Furniture, Specifically Folding Chairs, Seating for Theaters, Auditoriums, Stadiums, Churches, Shoestores, and Courtrooms, Schoolroom Furniture, Comprising Chairs, Desks, Combination Chair-Desks, and Tables. American Seating Company, Grand Rapids, Mich.
Filed Oct. 27, 1950, Serial No. 605,457. Published Oct. 9, 1951. Class 32.

552,532. Preparations for the Treatment and Control of Poultry Diseases, Especially of Coccidiosis in Chickens and in Turkeys. Dr. Salsbury's Laboratories, Charles City, Iowa.
Filed Nov. 1, 1950, Serial No. 605,767. Published Aug. 14, 1951. Class 18.

552,533. Fresh Apples. Tonasket Ellis-Forde Growers, Inc., Tonasket, Wash.
Filed Nov. 2, 1950, Serial No. 605,815. Published Sept. 11, 1951. Class 46.

552,534. Canned Vegetables. Bennett-Ray Canning Company, Pharr, Tex.
Filed Nov. 7, 1950, Serial No. 605,983. Published Aug. 14, 1951. Class 46.

552,535. Milled Rice. Baton Rouge Rice Mill, Inc., Baton Rouge, La.
Filed Nov. 9, 1950. Serial No. 606,115. Published Sept. 11, 1951. Class 46.

552,536. Juvenile Furniture Consisting of Tables, Chairs, Beds, and Chests of Drawers. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,129. Published Oct. 2, 1951. Class 32.

552,537. Measuring and Indicating Devices — Namely, Sight Feed Valves, Sight Flows and Sight Overflows, Liquid Flow Indicators, Oilers for Dispensing Oil in Predetermined Amounts Through Capillary Action, Liquid Level Gauges. Wm. W. Nugent & Co., Inc., Chicago, Ill.
Filed Nov. 9, 1950, Serial No. 606,164. Published Sept. 4, 1951. Class 26.

552,538. Cheese Food. Northfield Cheese Corporation, New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,481. Published Sept. 11, 1951. Class 46.

552,539. Cheese Food. Northfield Cheese Corporation, New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,482. Published Sept. 11, 1951. Class 46.

552,540. Vitamin-Mineral Capsule. Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc., a corporation of California.
Filed Nov. 17, 1950, Serial No. 606,574. Published Aug. 14, 1951. Class 18.

552,541. Vitamin Preparation. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Nov. 21, 1950, Serial No. 606,730. Published Aug. 14, 1951. Class 18.

552,542. Medicated Antiseptic Ointment Useful in the Prevention and Treatment of Diseases of the Skin. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Nov. 21, 1950, Serial No. 606,731. Published Aug. 14, 1951. Class 18.

552,543. Pharmaceutical Preparation—Namely, a Bacteriostatic Preparation Containing the Sulfonamides Sulfadiazine, Sulfamerazine, and Sulfathiazole. Charles E. Frosst & Co., Montreal, Quebec, Canada.
Filed Nov. 24, 1950, Serial No. 606,862. Published Aug. 14, 1951. Class 18.

552,544. Paint Products—Namely, Liquid and Paste Paints, Primers and Sealers, and Paint Enamels. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed Nov. 24, 1950, Serial No. 606,897. Published Oct. 9, 1951. Class 16.

552,545. Furniture, More Particularly Dressers, Mirrors, Chests, Tables, Beds (Not Including Springs), Benches, Buffets, Servers, Cupboards, Chairs, Bookcases, and Commodes. Jamestown Table Company, Jamestown, N. Y.
Filed Nov. 27, 1950, Serial No. 606,976. Published Oct. 2, 1951. Class 32.

552,546. Unit of Medication Comprising Multiples of Specially Coated Globules for Oral Administration. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Nov. 29, 1950, Serial No. 607,101. Published Aug. 21, 1951. Class 18.

552,547. Reagent Tablet for the Purpose of Detecting the Presence of Occult Blood. Ames Company, Inc., Elkhart, Ind.
Filed Nov. 30, 1950, Serial No. 607,111. Published Aug. 21, 1951. Class 18.

552,548. Automobile Floor Mats and Accelerator Pedal Pads Made of Rubber. Carco Products Company, Chicago, Ill.
Filed Nov. 30, 1950, Serial No. 607,115. Published Sept. 11, 1951. Class 19.

552,549. Paint Additive for Creating Sand Finished Textured Coatings. Lowebco, Incorporated, Chicago, Ill.
Filed Dec. 1, 1950, Serial No. 607,179. Published Sept. 25, 1951. Class 16.

552,550. Canned Fish. Getz Bros. & Co., San Francisco, Calif.
Filed Dec. 4, 1950, Serial No. 607,249. Published Sept. 18, 1951. Class 46.

552,551. Educational Moving Pictures Published From Time to Time. Wyeth Incorporated, Philadelphia, Pa.
Filed Dec. 8, 1950, Serial No. 607,467. Published Sept. 18, 1951. Class 26.

552,552. Seed Corn. Carter U. Faris, Winchester, Tenn.
Filed Dec. 11, 1950, Serial No. 607,541. Published Sept. 25, 1951. Class 1.

552,553. Binoculars and Magnifiers. Norman W. Edmund, doing business as Anchor Optical Company, Audubon, N. J.
Filed Dec. 12, 1950, Serial No. 607,582. Published Sept. 18, 1951. Class 26.

552,554. Mixture of Ground Coffee Kernels, Ground Cacao Kernels and Salt Adapted To Be Added To Brewed Coffee To Improve the Aroma, Flavor, and Body Thereof. Lyle A. Saitz, doing business as The Cafécofe Co., Philadelphia, Pa., assignor to Cafécofe Corporation, Philadelphia, Pa., a corporation of Pennsylvania.
Filed Dec. 12, 1950, Serial No. 607,604. Published Sept. 18, 1951. Class 46.

552,555. Trailers—Namely, Dump Trailers, Heavy-Duty Cargo Trailers, and Semi-Trailers Used With Tractor Trucks; Truck Bodies; and Trailer Axles for Trucks. Cochran & Celli, Oakland, Calif.
Filed Dec. 18, 1950, Serial No. 607,794. Published Sept. 4, 1951. Class 19.

552,556. Fresh Vegetables. Edward J. Pryor, Santa Maria, Calif.
Filed Dec. 26, 1950, Serial No. 608,079. Published Sept. 11, 1951. Class 46.

552,557. Hair Tinting Powder. The Nestle-Le Mur Company, New York, N. Y.
Filed Dec. 27, 1950, Serial No. 608,121. Published Sept. 4, 1951. Class 51.

552,558. Women's Hosiery. Burcon Hosiery Mills, Inc., Burlington, N. C.
Filed Dec. 29, 1950, Serial No. 608,195. Published Oct. 2, 1951. Class 39.

552,559. Metal Display Devices for Postcards, Picture Packs, Notepaper, and Other Printed and Unprinted Paper Products, Particularly for Use as Floor and Counter Display Devices in Retail Stores. Curt Teich & Company, Chicago, Ill.
Filed Jan. 4, 1951, Serial No. 608,388. Published Oct. 2, 1951. Class 32.

552,560. Hood Ornament for Automobiles. Controla Manufacturing Co., Chicago, Ill.
Filed Jan. 8, 1951, Serial No. 608,492. Published Sept. 4, 1951. Class 19.

552,561. Bathroom Utility Cabinets. Garner & Co., New York, N. Y.
Filed Jan. 10, 1951, Serial No. 608,602. Published Oct. 2, 1951. Class 32.

552,562. Wooden and Laminated Shade Rollers. The Columbia Mills, Inc., Syracuse, N. Y.
Filed Jan. 22, 1951, Serial No. 609,077. Published Oct. 9, 1951. Class 32.

552,563. Photograph Trim Indicators Consisting of a Strip of Sheet Material With a Plurality of Angularly Related Sections With or Without Graduations Along the Side Edges and Other Appropriate Printed Matter Upon the Upper Surface, the Indicators To Be Temporarily Applied to Photographs To Show Where They Are To Be Trimmed for Printing. Milliken C. Byrum, doing business as Byrum Lithographing Co., Columbus, Ohio.
Filed Jan. 23, 1951, Serial No. 609,120. Published Sept. 11, 1951. Class 26.

552,564. Counter Tops for Kitchen Cabinets Provided With Vinyl Plastic Work Surfaces. Mullins Manufacturing Corporation, Salem and Warren, Ohio.
Filed Jan. 25, 1951, Serial No. 609,250. Published Oct. 9, 1951. Class 32.

552,565. Sunglasses and Goggles. Bachmann Bros., Inc., Philadelphia, Pa.
Filed Jan. 26, 1951, Serial No. 609,276. Published Sept. 18, 1951. Class 26.

552,566. Camera Film. Universal Camera Corporation, New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,324. Published Aug. 14, 1951. Class 26.

552,567. Camera Film. Universal Camera Corporation, New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,325. Published Aug. 14, 1951. Class 26.

552,568. Turpentine, Linseed Oil, Linseed Replacement Oil, Paints for Interior and Exterior Use, Paint Reducers, Enamels, Lacquers, Lacquer Thinner, Shellac, Varnish, and Wood Bleach. Ellicott Paint Co., Inc., Buffalo, N. Y.
Filed Feb. 1, 1951, Serial No. 609,480. Published Oct. 9, 1951. Class 16.

552,569. Fiber Block Brake Linings, Transmission Linings, and Clutch Face Linings for Automobiles, Trucks, and Tractors. Markt & Hammacher Company, New York, N. Y.
Filed Feb. 14, 1951, Serial No. 610,085. Published Oct. 9, 1951. Class 35.

552,570. Apparatus and Implements Used in the Preparation of or in Connection With Microscope Slides, Etc. The Technicon Company, New York, N. Y.
Filed Feb. 16, 1951, Serial No. 610,195. Published Sept. 18, 1951. Class 26.

552,571. Lawn Fertilizer Containing Organic and Inorganic Nitrogen. Northrup, King & Co., Minneapolis, Minn.
Filed Feb. 23, 1951, Serial No. 610,453. Published Oct. 9, 1951. Class 10.

552,572. Series of Motion Picture Films. RKO-Pathe Inc., New York, N. Y.
Filed Mar. 23, 1951, Serial No. 611,721. Published Sept. 18, 1951. Class 26.

552,573. Electric Signal Chimes and Electric Door Chimes. Edwards Company, Inc., Norwalk, Conn.
Filed Mar. 24, 1951, Serial No. 611,734. Published Sept. 25, 1951. Class 21.

552,574. Electrical Wires and Cables. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Apr. 2, 1951, Serial No. 612,106. Published Sept. 25, 1951. Class 21.

552,575. Electrical Wires and Cables. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Apr. 2, 1951, Serial No. 612,107. Published Sept. 25, 1951. Class 21.

552,576. Electrical Wires and Cables. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Apr. 2, 1951, Serial No. 612,109. Published Sept. 25, 1951. Class 21.

552,577. Billiard Table Cushions. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Apr. 21, 1951, Serial No. 612,946. Published Oct. 9, 1951. Class 22.

552,578. Flash Attachment for Cameras. The Bennett Corporation, San Francisco, Calif.
Filed May 23, 1951, Serial No. 614,184. Published Oct. 9, 1951. Class 26.

552,579. Printing Type of Various Cases. Bauer Alphabets Inc., New York, N. Y.
Filed June 12, 1951, Serial No. 615,046. Published Sept. 18, 1951. Class 14.

Service Marks

552,580. Advising and Assisting in Planning Debuts and Weddings and in Arranging for Flowers, Music, Stationery, and Photography for Such Functions. The Blum Store, Philadelphia, Pa.
Filed Nov. 12, 1947, Serial No. 540,767. Published Oct. 9, 1951. Class 100.

552,581. Procuring Placement in Newspapers, in Radio Programs, and in Other Similar Media of News Picture Mats, Advertising Pieces in Dealer Ad Campaigns, and Publicity Releases. Special Correspondents, Inc., sometimes doing business as S C Syndicate, Chicago, Ill.
Filed Dec. 15, 1948, Serial No. 570,587. Published Oct. 9, 1951. Class 101.

552,582. Procuring Placement in Newspapers, in Radio Programs, and in Other Similar Media of News Picture Mats, Advertising Pieces in Dealer Ad Campaigns, and Publicity Releases. Special Correspondents, Inc., sometimes doing business as S C Syndicate, Chicago, Ill.
Filed Dec. 15, 1948, Serial No. 570,588. Published Oct. 9, 1951. Class 101.

552,583. Radio Program Broadcasting Services. Veterans Broadcasting Company, Houston, Tex.
Filed Dec. 6, 1948, Serial No. 570,745. Published Oct. 9, 1951. Class 104.

552,584. Entertainment Service Rendered Through the Medium of a Radio Broadcast Program Consisting of Discussions of Topics of General Interest. The Bories Organization, Incorporated, New York, N. Y.
Filed Apr. 4, 1950, Serial No. 595,186. Published Oct. 9, 1951. Class 107.

Collective Mark

552,585. Furniture—Namely, the Following Pieces of Furniture, To-Wit: Chests, Double Dressers, Ladies' Wardrobes, Etc. Grand Rapids Furniture Makers Guild, Grand Rapids, Mich.
Filed Apr. 19, 1950, Serial No. 595,953. Published Oct. 2, 1951. Class 32.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

552,586. (Class 16. Paints and Painters' Materials.) Muf-L-Cote, Incorporated, Akron, Ohio, by change of name from Ohio Muf-L-Cote Company. Original filed, act of 1905, Nov. 11, 1944; amended to application under act of 1946, Supplemental Register, Apr. 26, 1950, Serial No. 476,369.

Muf-L-Cote

For Paint-Like Sound-Deadening Coating Compositions for Application to the Under Parts of Automobiles and Trucks and to Other Metal Objects.
Claims use since December 1939.

552,587. (Class 15. Oils and Greases.) Arthur George Meier, doing business as Inland Products Co., Roanoke, Va. Original filed, act of 1905, Apr. 5, 1946; amended to application under act of 1946, Supplemental Register, Oct. 18, 1948, Serial No. 499,726.

Clearseal
MOTOR OIL

For Motor Oil.
Claims use since Dec. 15, 1945.

552,588. (Class 19. Vehicles.) Boyertown Auto Body Works, Inc., Boyertown, Pa. Original filed, act of 1905, Jan. 18, 1947; amended to application under act of 1946, Supplemental Register, Dec. 27, 1948, Serial No. 515,977.

BOYERTOWN

For Automobile Bodies, Truck Bodies and Structural Parts Thereof.
Claims use since September 1945.

552,589. (Class 16. Paints and Painters' Materials.) Waxed Silicone Products, Inc., Miami, Fla. Original filed, act of 1946, Principal Register, Sept. 29, 1947; amended to application, Supplemental Register, May 22, 1948, Serial No. 536,189.

WAXED SILICONE

For Paint Sealing Compounds.
Claims use since July 1946.

552,590. (Class 33. Glassware.) Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Original filed, act of 1946, Principal Register, June 2, 1948; amended to application, Supplemental Register, Oct. 15, 1951, Serial No. 558,328.

"WEDG-WALL"

For Glass Bottles.
Claims use since Feb. 1, 1948.

552,591. (Class 46. Foods and Ingredients of Foods.) Fuller-Foreman Foods Company, Inc., Bloomington, Ill. Original filed, act of 1946, Principal Register, July 28, 1948; amended to application, Supplemental Register, Sept. 22, 1949, Serial No. 562,353.



The drawing is lined for red and green.
For Salad Dressing.
Claims use since July 6, 1948.

552,592. (Class 44. Dental, Medical, and Surgical Appliances.) Cameron Surgical Specialty Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 17, 1948; amended to application, Supplemental Register, July 26, 1951, Serial No. 565,313.

CAMERON-LEMPERT HEADLITE

For Clinical Head Lamps Used by Doctors, Dentists, and Surgeons.
Claims use since June 15, 1947.

552,593. (Class 46. Foods and Ingredients of Foods.) Gumakers of America, Inc., Clifton Heights, Pa. Original filed, act of 1946, Principal Register, Sept. 27, 1948; amended to application, Supplemental Register, Dec. 29, 1950, Serial No. 565,924.

KEEN
CAN-D-GUM

For Chewing Gum.
Claims use since July 15, 1948.

552,594. (Class 12. Construction Materials.) The Danbury Rubber Company, Inc., Danbury, Conn. Original filed, act of 1946, Principal Register, Oct. 19, 1948; amended to application, Supplemental Register, Mar. 21, 1950, Serial No. 567,189.

WAVEDGE

For Rubber Tile for Floor and Wall Covering and the Like.
Claims use since June 1, 1948.

552,595. (Class 44. Dental, Medical, and Surgical Appliances.) Steri-Seal Company, Inc., Columbus, Ohio, assignee of Ohio National Bank of Columbus, executor of the will of Dorman E. Hamiel, deceased, doing business as Steri-Seal. Original filed, act of 1946, Principal Register, Oct. 30, 1948; amended to application, Supplemental Register, July 20, 1951, Serial No. 567,915.

Con-trol-flo

For Nursing Unit, Consisting of Glass Nursing Bottles, With Attached Rubber Nipples and Protective Plastic Caps for the Nipples.
Claims use since Sept. 1, 1948.

552,596. (Class 12. Construction Materials.) Culler Furniture Company, Williamsport, Pa. Original filed, act of 1946, Principal Register, Feb. 2, 1949; amended to application, Supplemental Register, May 5, 1951, Serial No. 573,171.

Culler
Balsador

For Solid Core Flush Doors.
Claims use since Nov. 3, 1948.

552,597. (Class 52. Detergents and Soaps.) The Cramer Chemical Company, Gardner, Kans. Original filed, act of 1946, Principal Register, Feb. 21, 1949; amended to application, Supplemental Register, Feb. 9, 1951, Serial No. 574,212.

KLEEN-BALL

For Cleaning Preparation for Cleaning Leather Goods and Leather Balls Used in Sports and Athletics.
Claims use since Jan. 7, 1949.

552,598. (Class 44. Dental, Medical, and Surgical Appliances.) The Scholl Mfg. Co., Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Feb. 28, 1949; amended to application, Supplemental Register, July 5, 1951, Serial No. 574,641.

Tubegauz

For Unmedicated Surgical Bandages for Orthopedic and Surgical Purposes.
Claims use since Aug. 15, 1948.

552,599. (Class 32. Furniture and Upholstery.) Edward V. Conrad and Edward V. Whalion, doing business as E. V. Conrad & Co., East Orange, N. J. Original filed, act of 1946, Principal Register, Mar. 10, 1949; amended to application, Supplemental Register, Aug. 21, 1951, Serial No. 575,197.

CONRAD-CRIB

For Combination Baby's Crib, Go-Cart and Carriage.
Claims use since Dec. 1, 1948.

552,600. (Class 44. Dental, Medical, and Surgical Appliances.) The Motoloid Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 22, 1949; amended to application, Supplemental Register, May 15, 1951, Serial No. 577,543.

Coldpac

For Acrylic Material for Use in Processing Partial and Full Dentures for Individual Trays.
Claims use since Oct. 1, 1948.

552,601. (Class 46. Foods and Ingredients of Foods.) Charles Polsky & Son, Toms River, N. J. Original filed, act of 1946, Principal Register, June 13, 1949; amended to application, Supplemental Register, June 12, 1951, Serial No. 580,372.

HUMPTY DUMPTY

KING OF THE
JERSEY EGGS

For Fresh Eggs.
Claims use since Jan. 3, 1949.

552,602. (Class 5. Adhesives.) Chicago Heights Paint and Varnish Company, Chicago, Ill., now by change of name Bakor Oil Company. Original filed, act of 1946, Principal Register, July 7, 1949; amended to application, Supplemental Register, June 15, 1951, Serial No. 581,584.

BONDOIL

For Core Oil for Use as a Binder for Cores.
Claims use since Mar. 9, 1949.

552,603. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Donnal Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Aug. 1, 1949; amended to application, Supplemental Register, Dec. 5, 1950, Serial No. 582,772.



The representation of a faucet and the word "Faucets" are disclaimed.
For Faucets.
Claims use since April 1949.

552,604. (Class 12. Construction Materials.) The Connor Lumber and Land Company, Marshfield, Wis. Original filed, act of 1946, Principal Register, Sept. 26, 1949; amended to application, Supplemental Register, July 5, 1951, Serial No. 585,315.

COTTAGE

For Hardwood Flooring.
Claims use since Sept. 1 1948.

552,605. (Class 46. Foods and Ingredients of Foods.) Hidalgo Distributing Company, McAllen, Tex. Original filed, act of 1946, Principal Register, Oct. 3, 1949; amended to application, Supplemental Register, May 7, 1951, Serial No. 585,707.

Sugar Maid

For Canned Pineapple.
Claims use since June 22, 1949.

552,606. (Class 51. Cosmetics and Toilet Preparations.) Bjarne Askvold, Copenhagen, Denmark. Filed Oct. 18, 1949, Serial No. 586,458.



Applicant claims ownership of Danish Registration No. 18,373, dated Nov. 30, 1946.
For Rouge for Cosmetic Purposes.

552,607. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) E. D. Bullard Company, San Francisco, Calif. Filed Jan. 23, 1950, Serial No. 591,279.

MORENCI

For Safety Belts Constructed of Strong Webbing, Adapted for Use by Construction Workers, Ships' Painters, Window Washers, or Other Workers Requiring the Protection of a Safety Belt.
Claims use since Jan. 2, 1930.

552,608. (Class 22. Games, Toys, and Sporting Goods.) American Metal Specialties Corp., Hatboro, Pa. Original filed, act of 1946, Principal Register, Jan. 20, 1950; amended to application, Supplemental Register, May 2, 1951, Serial No. 591,649.

Doll-E-Bed
BY
Amsco

For Dolls' Beds.
Claims use since Jan. 2, 1948.

552,609. (Class 12. Construction Materials.) Minnesota and Ontario Paper Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Feb. 3, 1950; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 591,945.

SMOOTHLITE

Applicant claims ownership of Registrations Nos. 374,307, 374,312, and others.
For Surface Coated Fiber Composition Board and Blocks.
Claims use since Jan. 3, 1950.

552,610. (Class 22. Games, Toys, and Sporting Goods.) American Metal Specialties Corp., Hatboro, Pa. Original filed, act of 1946, Principal Register, Jan. 12, 1950; amended to application, Supplemental Register, May 2, 1951, Serial No. 592,293.

DOLL-E-NURSER
by Amsco

For Dolls' Nursing Sets, Each Consisting of a Pot and Lid, a Bottle Rack Containing Nursing Bottles, a Funnel, a Nipple Jar and Lid Containing Nipples, a Bottle Brush, a Measuring Cup, and a Formula Measuring Spoon.
Claims use since June 1, 1949.

552,611. (Class 26. Measuring and Scientific Appliances.) Karol Sunglass Co., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 30, 1950; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 594,347.

Karol

For Sunglasses and Eyeglasses, Goggles, Ophthalmic Lenses, and Frames and Mountings Therefor.
Claims use since Mar. 22, 1947.

552,612. (Class 1. Raw or Partly Prepared Materials.) Philip Rosmarin, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 28, 1950; amended to application, Supplemental Register, June 2, 1951, Serial No. 594,809.

BROAD-KURL

For Processed Rabbit Skins.
Claims use since Mar. 1, 1950.

552,613. (Class 1. Raw or Partly Prepared Materials.) Cargill, Incorporated, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Mar. 30, 1950; amended to application, Supplemental Register, May 23, 1951, Serial No. 594,884.

HARDY TURF

For Lawn Seed.
Claims use since Mar. 3, 1950.

552,614. (Class 52. Detergents and Soaps.) National Milling & Chemical Co., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Mar. 31, 1950; amended to application, Supplemental Register, June 28, 1951. Serial No. 594,983.

SURESUDS

For Detergent for Dish and Glass Washing, Laundering, Textile Scouring, Surface Cleaning, and the Like.
Claims use since Dec. 1, 1949.

552,615. (Class 52. Detergents and Soaps.) Joseph A. Buer, doing business under the fictitious name and style of The Bauer Company, Pasadena, Calif. Original filed, act of 1946, Principal Register, Apr. 3, 1950; amended to application, Supplemental Register, Oct. 8, 1951, Serial No. 595,120.

lektric shaver kleener

The words "Shaver Kleener" are disclaimed.
For Electric Shaver Cleaning Solution.
Claims use since Oct. 10, 1949.

552,616. (Class 26. Measuring and Scientific Appliances.) Artco Products Corporation, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, July 7, 1950; amended to application, Supplemental Register, May 1, 1951, Serial No. 600,319.

Foldaway-Lite

For Photographic Flood Lamps.
Claims use since Apr. 26, 1950.

552,617. (Class 1. Raw or Partly Prepared Materials.) H. L. Wagner & Sons, Imbler, Oreg. Original filed, act of 1946, Principal Register, July 25, 1950; amended to application, Supplemental Register, Sept. 6, 1951, Serial No. 601,242.

BLUE MOUNTAIN
DROUGHT RESISTANT
GRASS SEED

The words "Drought Resistant Grass Seed" are disclaimed.
For Grass Seed.
Claims use since February 1949.

552,618. (Class 18. Medicines and Pharmaceutical Preparations.) Noskar Mfg. Co. Inc., Snow Hill, Md. Original filed, act of 1946, Principal Register, Aug. 25, 1950; amended to application, Supplemental Register, Oct. 15, 1951, Serial No. 602,771.

NOSKAR

The drawing is lined for shading.
For Medicated Salve for Burns, Cuts, Lacerations, and Piles.
Claims use since June 1906.

552,619. (Class 22. Games, Toys, and Sporting Goods.) Wright & McGill Co., Denver, Colo. Original filed, act of 1946, Principal Register, Sept. 29, 1950; amended to application, Supplemental Register, Sept. 17, 1951, Serial No. 604,243.

Wildeless Wing

Applicant claims ownership of Registration No. 192,215.
For Artificial Fishing Flies.
Claims use since Dec. 1, 1922.

552,620. (Class 51. Cosmetics and Toilet Preparations.) Carter Products, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 13, 1950; amended to application, Supplemental Register, Aug. 16, 1951, Serial No. 606,269.

DON'T BE HALF-SAFE!

For Deodorant Cream.
Claims use since November 1949.

552,621. (Class 16. Paints and Painters' Materials.) Sealerize Company, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Feb. 10, 1951; amended to application, Supplemental Register, Oct. 12, 1951, Serial No. 609,947.

Sealrize



The figure shown on the drawing is fanciful.
For Resinous Vehicle Which Is Used as a Sealer, as a Top Protector Coat, and Which May Be Incorporated With Pigments To Make a Finished Paint.
Claims use since Nov. 15, 1949.

552,622. (Class 28. Jewelry and Precious-Metal Ware.) The National Exchange Club, Toledo, Ohio. Filed Feb. 19, 1951, Serial No. 610,292.



Applicant claims ownership of Registrations Nos. 159,045, 266,968, and 545,323.
For Lapel Buttons, Pins and Badges, Cuff Links, Belt Buckles, and Pendants, All Made in Whole of, in Part of, or Plated With Precious Metals.
Claims use since December 1917.

552,623. (Class 46. Foods and Ingredients of Foods.) Clayco Foods, Inc., New York, N. Y. Filed Mar. 1, 1951, Serial No. 610,672.

CLAYBOURNE

For Canned Soups and Canned Chow Mein.
Claims use since 1946.

TRADE-MARK REGISTRATIONS RENEWED

83,911. SYROCO. Registered Oct. 24, 1911. Adolph M. Holstein. Re-renewed Oct. 24, 1951, to Syracuse Ornamental Co., Inc., Syracuse, N. Y., a corporation of New York. Casket-Handles and Casket Ornaments, Soch as Ornamental Relief or Intaglio Work in Wood, Metal or Composition Material, Either With or Without Cloth Facings or Other Super-Finish. Class 13.

83,958. VIGIL. Registered Oct. 24, 1911. The Will & Baumer Company. Re-renewed Oct. 24, 1951, to Will & Baumer Candle Co., Inc., Syracuse, N. Y., a corporation of New York. Candles. Class 15.

84,646. ROSEDALE. Registered Dec. 26, 1911. Leschke & Pletcher. Re-renewed Dec. 26, 1951, to Eberhardt F. Leschke, Hartford, Conn. Cigars and Smoking and Chewing Tobacco. Class 17.

160,673. KASHA. Registered Oct. 24, 1922. Societe Rodier, Paris, France. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Oct. 24, 1942. Woolen, Merino and Cashmere Piece Goods. Class 42.

276,412. "JEAN" ETC. AND DESIGN. Registered Oct. 21, 1930. Mansel Lainz Ribalagua, Santander, Spain. Renewed Oct. 21, 1950. Cigarette Paper and Cigarette-Paper-Booklet Covers. Class 8.

280,660. "ALEXANDRA DE MARKOFF" AND DRAWING, LINED FOR THE COLOR GARNET. Registered Feb. 24, 1931. Alexandra de Markoff, Inc. Renewed Feb. 24, 1951, to Alexandra de Markoff Sales Corporation, New York, N. Y., a corporation of New York. Cosmetics—Namely, Skin Tonics, Cold Cream, Astringents, and Perfumes. Class 51.

285,047. SERVACIDE. Registered July 14, 1931. Larvacide Service Inc., New York, N. Y. Renewed July 14, 1951, to International Minerals & Chemical Corporation, Chicago, Ill., and New York, N. Y., a corporation of New York. Insecticides. Class 6.

286,611. WIDE-SPRED. Registered Sept. 1, 1931. Holophane Company, Inc., New York, N. Y., a corporation of Delaware. Renewed Sept. 1, 1951. Metal and Combination Glass and Metal Globes and Reflectors. Class 34.

286,771. LYRIC. Registered Sept. 1, 1931. M. E. Horton, Inc., Washington, D. C., a corporation of Delaware. Renewed Sept. 1, 1951. Canned Vegetables, Canned Fruits, Etc. Class 46.

286,897. BLANCRAFT. Registered Sept. 8, 1931. Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin. Renewed Sept. 8, 1951. Kraft Paper. Class 37.

286,911. ARTONE. Registered Sept. 8, 1931. Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin. Renewed Sept. 8, 1951. Bleached Kraft Paper. Class 37.

286,983. "SIX O'CLOCK" ETC. AND REPRESENTATION OF RAZOR BLADE. Registered Sept. 8, 1931. Probak Corporation, Jersey City, N. J., and New York, N. Y., assignor to Gillette Safety Razor Company. Renewed Sept. 8, 1951, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. Razor Blades. Class 23.

287,129. VITAL-AIRE. Registered Sept. 15, 1931. The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland. Renewed Sept. 15, 1951. Portable Electrically Operated Humidifiers for Conditioning the Air in Rooms. Class 21.

287,166. "MINT JULEP" ETC. AND DRAWING. Registered Sept. 15, 1931. Elsa G. Mueller, doing business as The Mint-Julep Chewing Gum Company, Washington, D. C. Renewed Sept. 15, 1951, to H. L. Hildreth Company, Boston, Mass., a corporation of Massachusetts. Candy Tablets. Class 46.

287,372. REPRESENTATION OF SHELL DESIGN. Registered Sept. 22, 1931. Shell Oil Company, San Francisco, Calif. Renewed Sept. 22, 1951, to Shell Oil Company, New York, N. Y., a corporation of Delaware. Asphalt. Class 12.

287,479. V-P-O. Registered Sept. 29, 1931. Rose Wilke, doing business as Vital Food Company of California, and V. P. O. Company of America, Los Angeles, Calif. Renewed Sept. 29, 1951. Tooth Powder, Bath Powder, Enema Powder, Douche Powder, Face and Hand Lotions, Facial Packs, Foot Powder, Nail Polish, Hair Tonic. Class 51.

287,492. S-O-TANE. Registered Sept. 29, 1931. Hope Construction & Refining Company, Pittsburgh, Pa. Renewed Sept. 29, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Hydrocarbon Gases for Heating and Cutting Purposes. Class 6.

287,557. TRIM. Registered Sept. 29, 1931. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Sept. 29, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Liquid Preparation for Cleaning and Polishing Glass, Marble, and Metal and Other Polished Surfaces, Including Painted, Lacquered, and Enameled Surfaces. Class 4.

287,799. "JUSTIBLES" WITH HEAVY UNDERLINE. Registered Oct. 13, 1931. Gotham Silk Hosiery Company, Inc. Renewed Oct. 13, 1951, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. Hosiery. Class 39.

287,841. MAIN STREET PRINTS. Registered Oct. 13, 1931. Albert H. Vandam Co. Inc. Renewed Oct. 13, 1951, to Riegel Textile Corporation, New York, N. Y., a corporation of Delaware. Cotton Piece Goods. Class 42.

288,876. "BIRLEC" WITHIN CIRCLE DESIGN. Registered Nov. 10, 1931. Birmingham Electric Furnaces Ltd. Renewed Nov. 10, 1951, to Birlec Limited, Erdington, Birmingham, England, a company organized under the laws of Great Britain. Electric Industrial Furnaces. Class 21.

288,978. LUMA. Registered Nov. 10, 1931. Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden, a corporation organized under the laws of Sweden. Renewed Nov. 10, 1951. Incandescent Lamps. Class 21.

289,494. VICTOIRE. Registered Dec. 1, 1931. Elizabeth Arden, Inc. Renewed Dec. 1, 1951, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Lipsticks. Class 51.

289,589. "BANDOR" AND DESIGN LINED FOR GOLD. Registered Dec. 1, 1931. Von Bremen, Asche, De Bruyn, Inc. Renewed Dec. 1, 1951, to Asche-Bandor Corporation, New York, N. Y., a corporation of New York. Canned Mushrooms, Canned Fruits, Etc. Class 46.

290,207. BLUSH ROSE. Registered Dec. 22, 1931. Elizabeth Arden, Inc. Renewed Dec. 22, 1951, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Rouge. Class 51.

290,218. RUST-BAN. Registered Dec. 22, 1931. Robert M. Searles, doing business as Rust-Ban Company, Philadelphia, Pa. Renewed Dec. 22, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Liquid Preparation Used for Preventing Rust in Radiators, Heating Boilers, and Steam Boilers. Class 6.

290,450. RUSITE. Registered Jan. 5, 1932. Rumford Chemical Works. Renewed Jan. 5, 1952, to Hulman and Company, Rumford, R. I., a corporation of Indiana. Cleaning Preparation—Namely, Washing Powder for General Cleaning Purposes. Class 52.

291,072. "JO-LO" ETC. AND DESIGN LINED FOR YELLOW. Registered Jan. 26, 1932. Joe Lowe Co. Inc., Brooklyn, N. Y. Renewed Jan. 26, 1952, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Dehydrated Whole Eggs, Dehydrated Egg Yolk, and Dehydrated Egg Albumen. Class 46.

291,584. "PULMOTOL" AND DESIGN. Registered Feb. 23, 1932. Robert Salazar, Los Angeles, Calif. Renewed Feb. 23, 1952. General Tonic, Alterative and Nutritive. Class 18.

291,696. "PALL MALL" ETC. AND REPRESENTATION OF LABEL LINED FOR RED AND GOLD. Registered Feb. 23, 1932. The American Tobacco Company. Renewed Feb. 23, 1952, to American Cigarette and Cigar Company, New York, N. Y., a corporation of New Jersey. Cigarettes, Cigars, Smoking and Chewing Tobacco. Class 17.

291,863. "WASHBURN CROSBY GOLD MEDAL" ETC. AND CIRCLE DESIGN LINED FOR YELLOW. Registered Feb. 23, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed Feb. 23, 1952. Wheat Flour. Class 46.

292,106. "METSO" AND DESIGN. Registered Mar. 1, 1932. Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 1, 1952. Cleansing Compound Containing Silicate of Soda and Especially Useful for Industrial Cleaning of Food Containers, Metals, Glass, Ceramics, Textiles, and the Like. Class 52.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

312,844. "MILLER'S GAME COCK THE KING OF ALL WHISKIES" AND REPRESENTATION OF THREE GAME COCKS. Registered May 8, 1934. Louis J. Miller, Waban, Mass. Blended Bourbon Whiskey and Blended Rye Whiskey. Class 49. Canceled Nov. 16, 1951. (Canc. No. 5671.)

314,439. SILVER DOLLAR. Registered June 26, 1934. N. H. Darsky, Youngstown, Ohio. Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, Etc. Class 45. Canceled Nov. 16, 1951. (Canc. No. 5716.)

332,980. CONTINENTAL. Registered Dec. 21, 1937. Rose Merfish, Houston, Tex. Water Heaters Using Gaseous Fuel. Class 34. Canceled Oct. 12, 1951. (Sec. 18.)

429,924. SILVER ROSE. Registered May 27, 1947. Weidlich Sterling Spoon Co., Bridgeport, Conn. Silverware—Namely, Hollow-Ware and Flat-Ware, Etc. Class 28. Canceled Nov. 16, 1951. (Canc. No. 5568.)

504,706. SALAD OF THE SEA. Registered Dec. 7, 1948. Whiz Fish Products Company, Inc., Seattle, Wash. Canned Fish. Class 46. Canceled Nov. 16, 1951. (Canc. No. 5374.)

512,956. TRIPLE SET. Registered July 26, 1949. P-V-M Corporation, New York and Wappingers Falls, N. Y. Dyed and Finished Fabrics in the Piece, of Cotton, Rayon, Wool, Etc. Class 42. Canceled Nov. 16, 1951. (Canc. No. 5625.)

524,284. SUPER-CHAM. Registered Apr. 18, 1950. Frederick M. Burns, New York, N. Y. Ladies' and Misses' Dresses, Suits, Jackets and Outer Skirts. Class 39. Canceled Nov. 16, 1951. (Canc. No. 5687.)

537,849. ESQUIRE. Registered Feb. 13, 1951. Mayfair Purchasing Company, Inc., Chicago, Ill. Radio and Television Receiving Sets. Class 21. Canceled Oct. 19, 1951. (Canc. No. 5734.)

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

53,630. BLUE LILIES. Registered Aug. 21, 1906. Renewed Aug. 21, 1926. Re-renewed Aug. 21, 1946. The C. B. Woodworth Sons Co. Perfumes. Class 51 (formerly Class 6). New certificate under section 7(c) issued Dec. 25, 1951, to Bourjois, Inc., New York, N. Y., a corporation of New York.

70,935. BLUE LILY. Registered Oct. 20, 1908. Renewed Oct. 20, 1928. Re-renewed Oct. 20, 1948. The C. B. Woodworth Sons Co. Toilet Cream. Class 51 (formerly Class 6). New certificate under section 7(c) issued Dec. 25, 1951, to Bourjois, Inc., New York, N. Y., a corporation of New York.

73,597. WOODWORTH'S. Registered Oct. 26, 1909. Renewed Oct. 26, 1929. Re-renewed Oct. 26, 1949. The C. B. Woodworth Sons Co. Perfumes, Etc. Class 51 (formerly Class 6). New certificate under section 7(c) issued Dec. 25, 1951, to Bourjois, Inc., New York, N. Y., a corporation of New York.

427,158. AINSBROOKE. Registered Jan. 28, 1947. Morton Flamberg. Sport and Dress Shirts, Etc. Class 39. New certificate under section 7(c) issued Dec. 25, 1951, to Carmi-Ainsbrooke Corporation, New York, N. Y., a corporation of Illinois.

534,955. PRIDE OF NEW ORLEANS. Registered Dec. 19, 1950. Deepsouth Packing Company. Processed Shrimp—Namely, Canned Shrimp. Class 46. New certificate under section 7(c) issued Dec. 25, 1951, to Ray Skrmetta, doing business under the name and style of "Deepsouth Packing Company," New Orleans, La.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 2

RECEPTACLES

Reg. No. 199,157. Registered June 2, 1925. Richard C. Hyland, doing business as Hyland Bag Company, San Francisco, Calif. Republished by Pacific Diamond H Bag Company, San Francisco, Calif., a corporation of Nevada.



For Burlap Bags.
Claims use since Dec. 31, 1924.

Reg. No. 203,679. Registered Sept. 22, 1925. Richard C. Hyland, doing business as Hyland Bag Company, San Francisco, Calif. Republished by Pacific Diamond H Bag Company, San Francisco, Calif., a corporation of Nevada.



The word "Diamond" is disclaimed apart from the mark as shown.
For Burlap Bags.
Claims use since Mar. 1, 1925.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 351,159. Registered Oct. 19, 1937. Haas Miller Corporation, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

CREPEWEL

For Textile Oil or Size for Binding the Twist in Rayon Filling Stock or Wefts.
Claims use since Feb. 17, 1937.

CLASS 15

OILS AND GREASES

Reg. No. 146,773. Registered Sept. 20, 1921. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

VITSOL

For Metal Cutting Oils.
Claims use since about Sept. 9, 1920.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 133,675. Registered Aug. 3, 1920. The Goheen Corporation, Wilmington, Del., and Warren, Ohio. Republished by Vita-Var Corporation, Newark, N. J., a corporation of New Jersey.

CARBONIZING COATING

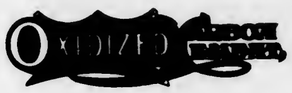
For Paint for Iron and Steel.
Claims use since 1890.

Reg. No. 133,678. Registered Aug. 3, 1920. The Goheen Corporation, Wilmington, Del., and Warren, Ohio. Republished by Vita-Var Corporation, Newark, N. J., a corporation of New Jersey.

HIGHWAY RED

For Red Lead Paint.
Claims use since 1890.

Reg. No. 159,699. Registered Oct. 3, 1922. The Goheen Corporation, Wilmington, Del., and Warren, Ohio. Republished by Vita-Var Corporation, Newark, N. J., a corporation of New Jersey.



For Paint for Steel and Iron, Wood, Concrete, Tile, and Plaster.
Claims use since 1894.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 288,952. Registered Nov. 10, 1931. Rockbestos Products Corporation, New Haven, Conn., a corporation of Massachusetts. Republished by registrant.

A. V. C.

For Electric Cables and Other Electric Conductors Insulated With Asbestos and Varnished Cambric.
Claims use since September 1927.

Reg. No. 343,576. Registered Feb. 23, 1937. Walker-Turner Company, Inc., Plainfield, N. J. Republished by Kearney & Trecker Corporation, Milwaukee, Wis., a corporation of Wisconsin.

DRIVER

For Electric Motors and Electric Switches.
Claims use since September 1935.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 385,947. Registered Mar. 25, 1941. E. D. Etnyre & Co., Oregon, Ill., a corporation of Illinois. Republished by registrant.

Black-Topper

For Road Oil Distributors, Embodying Trucks Equipped With Supply Tanks, Heating Devices and Fluid Conducting Systems for Distributing Oil Over Road Surfaces.
Claims use since Jan. 21, 1938.

Reg. No. 444,511. Registered June 12, 1951. The Harriman Manufacturing Company, Harriman and Chattanooga, Tenn., a corporation of Tennessee. Republished by registrant.



The drawing is lined for the color green.
For Steel Plow Blades.
Claims use since Apr. 8, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 427,813. Registered Feb. 25, 1947. National Jewel Distributors, Inc., New York, N. Y. Republished by Universal Match Corporation, St. Louis, Mo., a corporation of Delaware.

JAM

For Pyrophoric Lighters, and Part Thereof—Namely, the Thumb Screw at the Bottom of the Lighter.
Claims use since June 20, 1945.

Reg. No. 437,575. Registered Mar. 30, 1948. Enginaire, Inc., Providence, R. I. Republished by Enginaire Ventilating, Inc., Providence, R. I., a corporation of Rhode Island.

"ENGINAIRE"

For Heating, Ventilating, and Air Conditioning Apparatus—Namely, Gas and Oil Fired Heating Equipment, Cyclone and Wet Separators, Ventilation Hoods, Blowers Bifurcators, Exhaust Apparatus, Humidifiers, Spray Washers, Drying and Air Cooling Apparatus.
Claims use since June 28, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 276,241. Registered Oct. 14, 1930. Richard C. Hyland, doing business as The Diamond H Bag Company, San Francisco, Calif., assignor to Pacific Bag Company, San Francisco, Calif. Republished by Pacific Diamond H Bag Company, San Francisco, Calif., a corporation of Nevada.

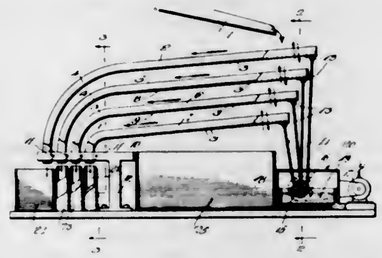
THE DIAMOND H BAG COMPANY

For Burlap, Cotton Sheetings, and Osnaburgs in the Piece, Used for Making Bags.
Claims use since Dec. 17, 1929.

REISSUES

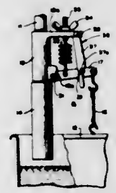
DECEMBER 25, 1951

23,446
ICE PRODUCT AND METHOD OF MAKING THE SAME
Kelvin T. Orrison, Washington, D. C., assignor of two-eighths to John Boyle, Jr., and three-eighths to Frank G. Jennings, both of Washington, D. C.
Original No. 2,118,796, dated May 24, 1938, Serial No. 202,075, April 14, 1938. Application for reissue August 10, 1951, Serial No. 241,274
6 Claims. (Cl. 62—1)



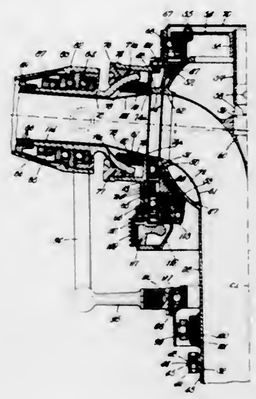
1. As an article of manufacture, a free-flowing mass of ice in bulk form produced by *freezing a body of water, removing water during the latter part of the freezing that would otherwise form into a cloudy core, adding fresh water to replace that removed and finishing the freezing,* crushing *the* ice into lumps and then screening to produce discrete *solid transparent* pieces free from snow, *the screening being one which places the ice lumps in a seething state of agitation which shakes the lumps and rubs them against each other and against the surface of the screen causing any snow that is adhering to the pieces of ice to be separated therefrom,* the sharp edges of the pieces produced by crushing being rounded by abrasion from the screening motion.

23,447
WATERING DEVICE
Virgil H. Pruitt, Snow Hill, Md.
Original No. 2,512,839, dated June 27, 1950, Serial No. 704,890, October 22, 1946. Application for reissue May 9, 1951, Serial No. 225,430
11 Claims. (Cl. 137—68)



1. In combination, a receptacle, such as a watering trough, a source of water under pressure, valve means having a plurality of valve orifices arranged in series for controlling the flow of water from said source to said receptacle, a valve member associated with each of said orifices, valve control means operably associated with said receptacle and responsive to the weight of the water therein to open one of said orifices and to close another of said orifices to control flow of water through both of said orifices, and means normally biasing said valve control means to enable said first valve to move to closed position said valve control means having a horizontally extending arm, a gravity latch comprising a latch member for locking said arm in a fixed position with both of said valves in open position, the center of gravity of said latch member being so disposed with respect to its point of [suspension] *support* as to be responsive to gravity for returning to inoperative position when said arm is moved away from its [normally biased] *locked* position.

23,448
HELICOPTER WITH JET-DRIVEN LIFT ROTOR
Cyril George Pullin, Moseley, Birmingham, England, assignor, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Original No. 2,429,646, dated October 28, 1947, Serial No. 484,063, April 22, 1943. Application for reissue October 9, 1951, Serial No. 250,407. In Great Britain April 22, 1942
43 Claims. (Cl. 170—135.4)



1. In a helicopter, a bladed lifting rotor, a non-rotative mounting therefor, said rotor incorporating a tiltable and rotatable hub and a plurality of sustaining blades mounted with freedom for flapping movement about axes offset from the hub axis whereby the plane of rotation of the blade tips may assume various inclinations with reference to the body of the aircraft and whereby the axis of rotation of the tiltable hub tends to remain coincident with the axis of the

cone generated by the radial axes of the blades in normal flight, the sustaining blades further being mounted for variation of pitch angle and the rotor incorporating mechanism for cyclically varying the blade pitch angle, said mechanism being automatically operative upon deviation of the blade tip path from a given plane to vary the pitch in a sense tending to restore the blade tip path to said given plane, and in combination therewith rotor driving means including jet reaction devices mounted on or incorporated in the lifting blades of the rotor and means for supplying the jet reaction devices with a stream of reactive fluid, whereby no torque reaction is transmitted from the rotor to its non-rotative mounting.

PLANT PATENTS

GRANTED DECEMBER 25, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,056
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application July 18, 1950, Serial No. 174,551
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its similarity to its parent "New Yorker" (Pl. Pat. No. 823) in respect to its buds, flowers and foliage, but distinguished therefrom by its vigorous and upright climbing basal shoots which bear flowers on short axillary flowering branches as soon as the climbing growth has ceased, substantially as shown and described.

1,057
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application July 18, 1950, Serial No. 174,552
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its similarity to its parent "Fashion" (Pl. Pat. No. 789) in general form, color and habit of flower, but distinguished therefrom by its vigorous and upright climbing habit, substantially as shown and described.

1,058
ROSE PLANT
Gerrit De Ruiter, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application August 15, 1950, Serial No. 179,615
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the Park type, characterized as to novelty by the large size and type of its individual florets forming large clusters borne on long stems, by the Thulite Pink shaded with Eosine Pink color of its blooms, by its generous production of wood and bloom, by its disease resistance, and by its recurrent habit, substantially as shown and described.

PATENTS

GRANTED DECEMBER 25, 1951

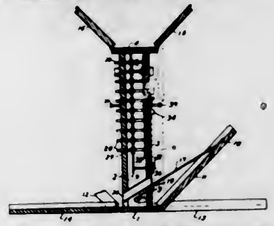
2,579,452
MALLEABLE IRON WITH BORON AND BISMUTH
Harry A. Eckman and Henry W. Maack, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation
No Drawing. Application October 4, 1949, Serial No. 119,558
5 Claims. (Cl. 75—123)

2. A white iron casting of relatively thick section substantially free from primary graphite and readily annealable to produce malleable iron containing approximately 2.25 to 3.25% carbon, .60 to 1.20% silicon, .30 to .70% manganese, and small but effective amounts of bismuth ranging up to .025% and up to .010% of boron to prevent the formation of primary graphite during solidification, the boron facilitating the decomposition of carbides during annealing, thereby offsetting the retarding effect of bismuth in the graphitization of the iron.

2,579,453
COMPOSITION FOR DRILLING MUDS
Earl E. Post, Pomona, and Wilbur N. Oldham, Monrovia, Calif., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 31, 1947, Serial No. 725,738
2 Claims. (Cl. 252—8.5)

1. A drilling fluid comprising an aqueous clay dispersion containing, as a water loss-controlling agent, a cold water-soluble condensation product obtained by condensing at least three molar equivalents of a natural cold water-insoluble quebracho, based on the digalloyl glucose content thereof, with a quantity of formaldehyde which is less than 1 mol but sufficient to form a cold water-soluble condensation product, the condensation being carried out in aqueous solution at a temperature of about 70–80° C. and a pH of at least 8.

2,579,454
PERFORATED BOARD AND PUSH PIN FOR A SALVO GAME
Robert K. Achen, Los Angeles, Calif.
Application December 14, 1949, Serial No. 132,951
7 Claims. (Cl. 272—130)



4. In a game device comprising an upright wall means with a set-area consisting of a group of arranged bores and a laterally positioned operational-area with a group of arranged bores wherein the set-area on one side of the wall means is back-to-back with the operational-area on the other side of the wall means so that the bores thereof are in common alinement, a push-pin in each bore, each bore being adapted to receive the stem portion of a playing man, shiftable plate means supported by the pins in each group of bores and provided with exterior operating means for resetting pins which have been pushed, and means beneath each set-area including a passageway for conducting fallen men from one side of the wall means to the other side thereof.

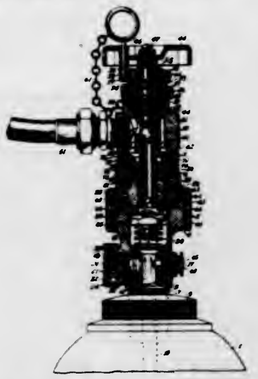
2,579,455
CRYSTALLIZATION OF LYSOZYME FROM EGG WHITE
Gordon Alderton, Albany, and Harry L. Fevold, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application May 9, 1947, Serial No. 747,119
10 Claims. (Cl. 195—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of isolating crystalline lysozyme from egg white which comprises dissolving sufficient water-soluble inorganic salt in egg white to establish a concentration of about 3% to about 10% of the salt, allowing the solution to stand at a temperature below room temperature, and removing the lysozyme crystals which have separated from the solution.

2,579,456

WITHDRAWN

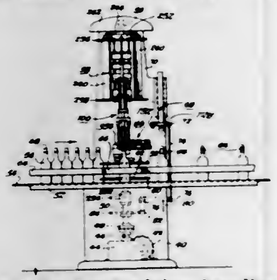
2,579,457
DISCHARGE VALVE WITH FLOATING CHECK
Frank B. Allen, Towaco, and Norman H. Siebens, East Orange, N. J., assignors to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application February 3, 1949, Serial No. 74,356
8 Claims. (Cl. 277—22)



1. A discharge valve for a high pressure fluid container comprising a housing in separable por-

tions with a fluid passage extending therethrough, one portion including a valve and adapted to be attached to a container, the other portion including control mechanism and a discharge outlet and adapted to be attached to the valve portion, means to attach the two portions together, a valve actuating member adapted to extend from the control portion to the valve portion to actuate the valve, and a floating check member slidably positioned about the valve actuating member and adapted to be urged against the lower portion to seal the intersection between the two separable portions.

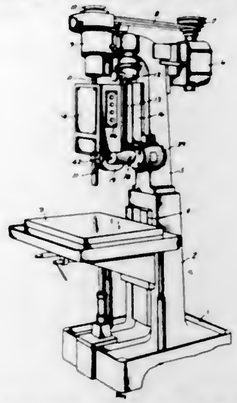
2,579,458
MACHINE FOR APPLYING BANDING SLEEVES TO CONTAINERS
Howard G. Allen and William O. Sims, Niagara Falls, and Edward A. Ebert, Snyder, N. Y., assignors, by mesne assignments, to American Machine and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 21, 1944, Serial No. 555,188
8 Claims. (Cl. 226—80)



1. In a machine for applying banding sleeves to containers, the combination of means for moving a line of containers continuously through a predetermined path; a continuously operable rotary turret; means within said turret for applying a banding sleeve to each container moving through said predetermined path; a magazine for holding a bulk supply of banding sleeves in flattened form; and a cyclically operable transfer device comprising means for individually removing banding sleeves from said magazine, opening said sleeves and moving said sleeves into position for transfer to the sleeve-applying means within said turret and synchronously therewith.

2,579,459
DRILL PRESS
Robert H. Allen, Barre, Mass., assignor to Chas. G. Allen Co., Barre, Mass., a corporation of Massachusetts
Application June 24, 1946, Serial No. 678,824
7 Claims. (Cl. 77—32.3)

1. An electrically operated drill press of the automatic step-drill type wherein an operating cycle consists of a series of alternate up and down movements of the drill spindle and tool out of and into a work piece including means for automatically controlling the reciprocations of the drill spindle and arresting motion of the spindle at the completion of an operating cycle, comprising a fixed electrical switch relative to which the spindle reciprocates, a pair of traveling electrical switches mounted on the spindle for unison travel motion therewith, a pair of traveling stops adjustably mounted upon the drill press relative to which the spindle reciprocates, means for automatically adjusting said stops upon engagement of the traveling switches therewith, one of said stops being adjusted in unison with the downward movement of the spindle, the other of said stops being adjusted to a predetermined position independently of the travel movement of the spindle, means for retarding the downward movement of the spindle upon engagement of one of said traveling switches with one of said stops, means for reversing the travel motion of the spindle upon engagement of the other of said traveling switches with the other of said stops, oscillatory means carried by the spindle normally engaging the fixed switch to



reverse the direction of the spindle at its upper limit of travel motion, a second pair of stops fixed in predetermined adjusted position relative to which the spindle reciprocates, means actuated by the approach of the traveling switches to the second pair of stops for interconnecting the traveling stops with the spindle for unison upward movement therewith, and simultaneously moving said oscillatory means out of the path of the fixed switch thereby stopping the spindle at its upper limit of travel motion, and means for releasing the traveling stops from the spindle in predetermined positions preparatory to the starting of a new cycle of operation.

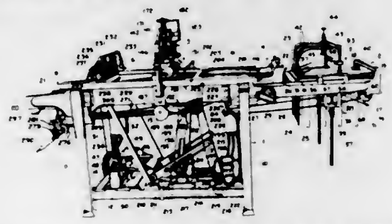
2,579,460
NONREFILLABLE CONTAINER
Nicholas Archidiacano, Boston, Mass.
Application November 6, 1948, Serial No. 58,745
1 Claim. (Cl. 215—22)



A container for liquids made with an outlet passage; a pair of cup-shaped lining members

fitted and fixed within said passage one above the other with their chimes abutting thereby to provide between them an interiorly cylindrical chamber, the top wall of the upper member being made upon its lower side with a central socket surrounded by circular series of both axial and lateral passageways through which the contents of the container flows when the latter is inverted, and the bottom wall of the lower member being made with a re-entrant flange whose top side provides a seat for a check valve, said flange surrounding an outlet port; a check valve slidably fitted within said chamber for limited axial movement between said flange and said socket, the periphery of said check valve being made with outlet passageways for the liquid contents of said container; a gravity-influenced ball loosely mounted within said chamber and by which said check valve is normally held upon said seat, and a gravity-influenced non-buoyant ball of less diameter than the width of said outlet port and disposed within the body of the container and operable when the latter is inverted to engage and open the check valve while said first-mentioned ball is seated within said socket and said non-buoyant ball occupies said outlet port.

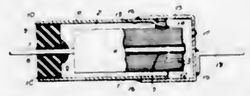
2,579,461
STENCIL PRINTING MACHINE
Almus C. Barlow, Chula Vista, and William V. Paul, Coronado, Calif.
Application September 4, 1945, Serial No. 614,336
13 Claims. (Cl. 101—124)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a printing machine, a support, a screen reciprocably mounted on the support, a printing element reciprocably mounted on the support, means for reciprocating said screen and printing element in cooperative relation, means for supplying the screen and printing element with printing material, a platen on the support cooperative with the screen and printing elements, means for feeding work pieces between the platen and screen, means interposed between the feeding means and platen for ejecting work pieces of predetermined character, means on the screen for clamping work pieces thereto, and means for stripping work pieces from the screen.

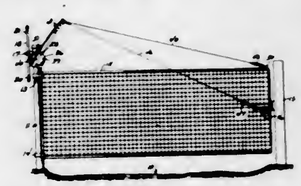
2,579,462
ELECTRIC CONDENSER
Roy Mayne Barnard and William John Stray, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 1, 1949, Serial No. 85,016
In Great Britain April 20, 1948
1 Claim. (Cl. 175—41)

An electrical condenser comprising an insulating sheet between two metal foils, a metal core wire extending substantially from one edge of said sheet beyond the other edge thereof, one of said metal foils being conductively fastened to said core wire, the other metal foil being insulated therefrom, said metal insulating sheet and foils being wound about said core wire to provide a capacitor unit, a substantially cylindrical metal container for said condenser, having a diameter greater than the capacitor unit, said container



having a longitudinal cut in one end thereof to provide a metal tag, said tag being deformed inwardly to make physical contact with said other metal foil to provide electrical connection therewith, an insulating closure for one end of said container sealed to said container and to the extended end of said core wire, and a metal and cap sealed to the other end of said container.

2,579,463
GATE OPENER
Enoch S. Berglund, Stillwater, Minn.
Application May 3, 1949, Serial No. 91,137
2 Claims. (Cl. 39—51)

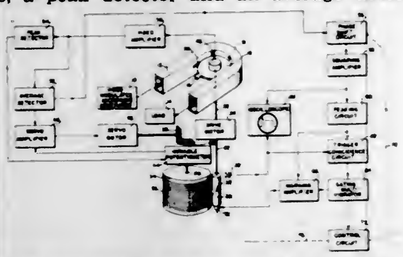


1. In combination, a vertically disposed hollow post, a gate mounted for swinging movement about said post, a pair of brackets hingedly connecting said gate to said post, a vertically disposed upright spaced from said post and supported by the ground, coacting latch means on said gate and upright for selectively maintaining said gate locked, a first horizontally disposed shaft rotatably supported by the top of said post, an arm connected to said first shaft, cables connected to said arm for turning the latter to thereby rotate said first shaft, a second shaft rotatably supported by said post, intermeshing bevel gears connecting said first shaft to said second shaft, a sector-shaped plate secured to the top of said post and provided with a plurality of spaced openings, a bar arranged in sliding relation with respect to said plate and connected to said second shaft, means arranged in the openings in said plate for limiting movement of said bar, and means connecting said bar to said latch means and to said gate, said last-named means comprising a hook connected to the upper end of said bar, cables connected to said hook, and springs connected to said cables.

2,579,464
STANDING WAVE RECORDER
Robert John Bergemann, Jr., United States Navy, Boston, Mass.
Application June 18, 1946, Serial No. 677,474
19 Claims. (Cl. 346—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Electronic test equipment comprising, a signal generator, a slotted transmission line,

means for connecting a component to be tested to said signal generator through said transmission line, a probe, means for continuously moving said probe along said slotted transmission line, a peak detector and an average detector,



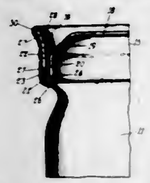
said probe output being connected to both said detectors, means for comparing the output of said detectors, and means operatively associated with said signal generator for plotting the result of said comparison versus the signal generator frequency.

2,579,465

CONTAINER WITH FOLDED TOP SEAM

Stellan Birkland, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 31, 1947, Serial No. 765,053
2 Claims. (Cl. 220—54)



1. A hermetically sealed sheet metal container comprising a tubular body having a wall terminating at its outer end in a depending flange spaced inwardly from the body wall, said body having an inwardly extending peripheral bead disposed beneath said flange, an end member seated on said body bead on the interior of the container and secured to said body wall in an end seam, said end member having an annular depending inner wall terminating in an integral upstanding outer flange disposed between and snugly engaging against said body wall and depending body wall flange, a sealing material disposed between the depending inner wall and upstanding outer flange of said end member and embedding therein said depending flange of said body wall to provide a hermetic seal therebetween, and a tearing strip set off by spaced score lines in said body wall adjacent said upstanding end member flange, removal of said strip effecting severance of said end member from the body to open the container, said end member being thereafter again supported by said inner peripheral body bead as a reclosure cover without reducing the head space of the container.

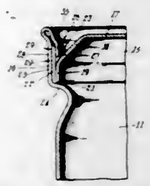
2,579,466

CONTAINER WITH FOLDED TOP SEAM

Stellan Birkland, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 31, 1947, Serial No. 765,054
2 Claims. (Cl. 220—54)

1. A hermetically sealed sheet metal reclosure container comprising a tubular body having a wall terminating at its outer end in a depending flange spaced inwardly from the body wall, said body having an inwardly extending peripheral bead disposed beneath said flange, an end member seated on said body bead on the interior of the container and secured to said body wall in an end seam, said end member having a raised central panel merging into an annular outwardly and downwardly inclined wall portion in turn merging into an annular depending inner wall terminating in an integral upstanding outer contacting flange disposed between and snugly engaging against the inner surface of said body wall and the outer surface of said depending body wall flange, the space between said downwardly



inclined wall portion and said upstanding flange of said end member defining an annular groove for receiving the inner end of said depending body wall flange, a sealing material disposed in said groove for embedding therein said depending flange end of said body wall to provide a hermetic seal between said body and end member, and a tearing strip set off by spaced score lines in said body wall adjacent said upstanding end member flange, removal of said strip effecting severance of said end member from the body to open the container, said end member being thereafter again supported by said inner peripheral body bead as a reclosure cover without reducing the head space of the container.

2,579,467

PAVEMENT LANE MARKER

Alan E. Brickman, Worcester, Mass.

Application June 14, 1947, Serial No. 754,643
12 Claims. (Cl. 94—1.5)



12. A pavement line marker comprising a body member, means for anchoring the body member to the pavement, a flexible rib surface extending upwardly from said body member, and reflecting beads milled into said rib surface.

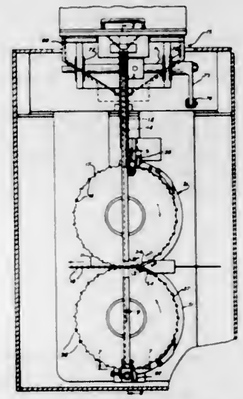
2,579,468

APPARATUS FOR MAKING COAXIAL CABLE UNITS

Samuel E. Brillhart, Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 10, 1946, Serial No. 702,491
3 Claims. (Cl. 29—203)

1. An apparatus for feeding insulating discs from an elevated hopper feed to a pair of rotating applicator wheels from which the discs may be alternately applied to an advancing horizontal conductor of a coaxial cable, which comprises an applicator wheel having a plurality of disc-receiving notches extending radially inwardly from the periphery thereof mounted in a vertical plane for rotation in a predetermined direction for applying insulating discs to a horizontal conductor advanced tangentially along the lower periphery of the wheel, a second wheel having a plurality of disc-receiving notches extending radially inwardly from the periphery thereof mounted in said vertical plane directly below the first applicator wheel for rotation in a direction opposite to that of the first applicator wheel for applying insulating discs to the conductor, a straight guide chute extending vertically from an elevated hopper feed to a point at the same level as but offset from the top of the first applicator wheel and in a plane perpendicular to that wheel for feeding discs edgewise and by gravity in a straight column from the hopper feed to said point, a plunger reciprocable parallel to the axis of the first applicator wheel for pushing the discs edgewise from the guide chute into the notches in the first applicator wheel, a sec-



ond straight guide chute extending vertically from the hopper feed to a point at the same level as but offset from the bottom of the second applicator wheel and in a plane perpendicular to that wheel for feeding discs edgewise and by gravity in a straight column from the hopper feed to the last-mentioned point, a second plunger reciprocable parallel to the axis of the second applicator wheel for pushing discs edgewise from the second guide chute into the notches in the second applicator wheel, and means for alternately and intermittently reciprocating the plungers to feed discs into the notches on the rotating applicator wheels, each of said plungers having an upwardly protruding finger on the tip end thereof so that the columns of discs will be jiggled during each reciprocation of the plungers to prevent jamming of the discs in the guide chutes.

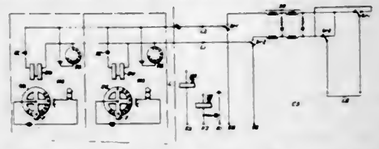
2,579,469

REVERTIVE CALLING PARTY LINE SYSTEM

Andrew Brown, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 14, 1947, Serial No. 721,990
In Great Britain March 24, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1959
4 Claims. (Cl. 179—17)

1. An automatic telephone system comprising a plurality of subscribers stations, a common line interconnecting said stations, means for calling a subscriber's station, said means including a transmitter at a calling subscriber's station for transmitting a selecting signal in a first impulse form, a centre station in said common line operable to receive said selecting signal, means at the centre station for converting said signal into a second impulse form, transmitting means at said



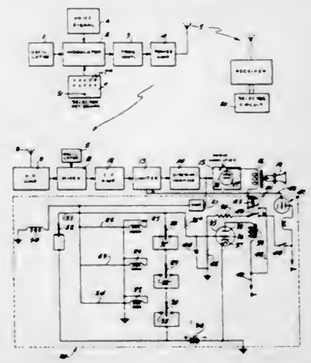
centre station for retransmitting said converted signal over said common line in said second impulse form and means at said subscriber's stations selectively responsive to said retransmitted signal.

2,579,470

SELECTOR SYSTEM

Gilbert G. Brown, Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application September 7, 1946, Serial No. 695,578
3 Claims. (Cl. 250—2)



1. In a system for rendering a receiver operative in response to a carrier modulated with a given plurality of different signal frequencies; a receiver, control means associated with said receiver to render said receiver operative, a plurality of contacts, a plurality of vibratory elements each arranged adjacent to, and adapted upon vibration to make intermittent contact with, at least one of said contacts, each of said elements being tuned and responsive to one of said signal frequencies, a control circuit connecting said elements and said contacts in series and responsive to the simultaneous closure of said contacts to actuate said control means, electromagnetic means for vibrating said elements, and means simultaneously impressing said electromagnetic means with said signal frequencies.

2,579,471

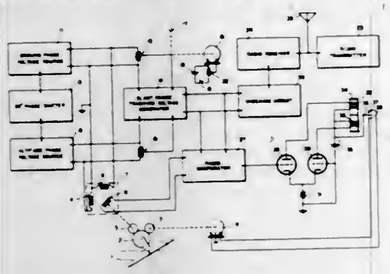
CONTROL SYSTEM FOR DIRECTIVE DEVICE

John Alan Buckbee, Wellesley, Mass., and Alfred Emil Falk, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana

Application December 5, 1947, Serial No. 789,996
6 Claims. (Cl. 343—7)

2. A control system for maintaining the axis of a directive device in a plane of a target comprising, a radio ranging apparatus including a radio transmitter and receiver for developing a refer-

ence voltage corresponding to the desired angular elevation of said directive device relative to the target, means for developing from said energizing voltages a first alternating control voltage in phase with one of said energizing voltages and having a phase relationship to said reference voltage according to an estimation of said desired angular elevation, means for checking said phase relationship, means for adjusting said phase relationship, a transducer having two stator windings, means for energizing said windings by respective alternating voltages having a quadrature phase relationship to one another, a rotor winding in said transducer inductively coupled to said stator windings and linked to said



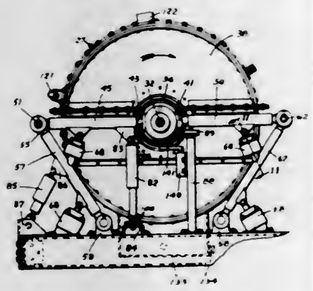
directive device in a manner to follow rotative movements of said directive device, said rotor winding serving to develop a second alternating control voltage having a phase relationship to said reference voltage representative of the actual angular elevation of said directive device relative to said target, means including a phase comparator for detecting phase deviations between the control voltage produced in said rotor winding and said first control voltage, means for amplifying said detected phase deviations, relay means responsive to said amplified phase deviations, and a reversible motor coupled to said relay means for energization to drive said directive device in a suitable direction to correct the angular elevation of said directive device relative to said target.

2,579,472

VIBRATION DAMPENING SUPPORT FOR CLEANING AND EXTRACTING APPARATUS

John W. Chamberlin, Mequon, and John F. Horvath, Milwaukee, Wis., assignors, by mesne assignments, to said John W. Chamberlin, Evanston, Ill.

Application July 30, 1945, Serial No. 607,740
7 Claims. (Cl. 68—24)



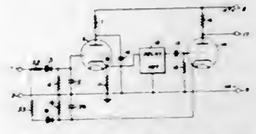
1. In a combined cleaning and extracting apparatus, in combination, a frame, a shell thereon, a rotatable horizontally disposed cylinder in said shell and having journals extending from the opposite ends thereof, a pair of arms extending horizontally in opposite directions from each of said journals and carrying bearings therefor on their adjacent ends, pairs of members pivotally connected to and extending in converging manner downwardly from the other ends of said arms to spaced apart pivot supports on said frame, resilient devices connecting said arms to said members and said members to said frame and cooperating with said arms, members and frame to support said cylinder for rotation about its center of gravity when containing an unbalanced load substantially without transmitting vibration to said frame.

2,579,473

ARRANGEMENT FOR SELECTING ELECTRIC PULSES OF GIVEN WIDTH

Prafulla Kumar Chatterjea, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 1, 1947, Serial No. 731,793
In Great Britain December 7, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 7, 1965
7 Claims. (Cl. 250—27)



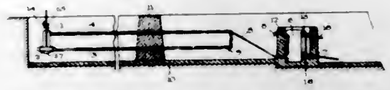
1. An arrangement for generating an output pulse in response exclusively to an applied input pulse having a duration within specified time limits, comprising means for applying the input pulse gradually to store energy in each of two energy storage devices, means for applying the energy acquired by one of the devices to initiate the output pulse only if the said duration is at least equal to the lower time limit, and means for applying the energy acquired by the other device to suppress the output pulse only if the said duration exceeds the upper time limit.

2,579,474

APPARATUS FOR PREPARING EXPLOSIVES

Frederick A. F. Crawford, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application December 6, 1946, Serial No. 714,626
In Great Britain December 7, 1945
4 Claims. (Cl. 23—266)



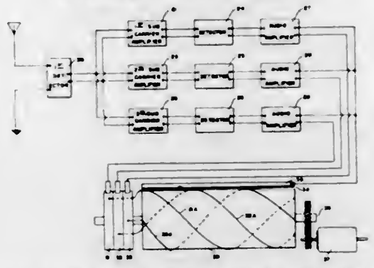
1. An apparatus for carrying out the continuous manufacture of explosive liquid nitric esters from rapidly esterifiable liquid polyhydric alcohols comprising in combination a mixing vessel having the lower portion thereof of larger diameter than the upper portion, a rotary impeller in said lower portion and substantially occupying the entire space within the same, the shaft of said impeller passing through the said upper portion, two inlets for liquid reagents leading into said upper portion, an external circulation pipe jacketed over substantially its entire length leading from the said lower portion at the level of said impeller to a horizontally remote locus and returning horizontally to the said upper portion for flow of liquid from said larger diameter portion of said mixing vessel to said smaller diameter portion, and a continuous centrifugal separator having its inlet connected to said circulation pipe by a bleed-off pipe connecting at said remote locus.

2,579,475

FACSIMILE SYSTEM FOR SIMULTANEOUS TRANSMISSION OF PLURALITY OF ELEMENTAL AREAS

Richard C. Curtis, Short Hills, N. J., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application September 25, 1946, Serial No. 699,170
5 Claims. (Cl. 178—6.6)



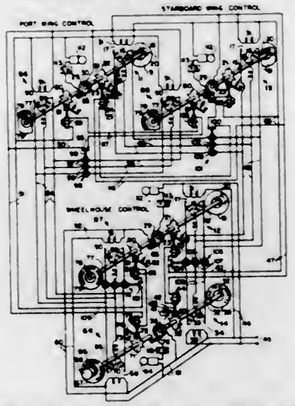
1. In a facsimile scanning device the combination of, a rotatable copy holder for holding copy to be scanned, at least two pick-up devices each including at least a source of illumination, a photoelectric cell and a lens system for scanning said copy at at least two points around said holder separated by an angle equal to 360 degrees divided by the number of pick-up devices.

2,579,476

ENGINE ROOM TELEGRAPH

Herman H. Curry, United States Coast Guard

Application March 14, 1946, Serial No. 654,489
11 Claims. (Cl. 177—337)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electric motion transmitting system, a transmitting station and a receiving station remote from each other, a self-synchronous motor in each station electrically linked together by a self-synchronizing circuit for self-synchronous operation, a controller for moving the motor in said transmitting station, means movable with said controller for indicating a plurality of control positions, means releasably holding both of said motors in any one of said plurality of positions, and means responsive to increase in current in said self-synchronizing circuit connecting said motors as a result of moving the transmitting motor by said controller for releasing said holding means.

2,579,477

AIR-CONDITIONING APPARATUS AND THE LIKE

George S. Dauphinee, Brooklyn, N. Y., assignor to W. B. Connor Engineering Corp., New York, N. Y., a corporation of New York

Application May 28, 1949, Serial No. 95,927
7 Claims. (Cl. 183—4.8)



1. In combination with a device for adsorbing adulterants having a plurality of connected air-permeable units containing adsorbing material, a removable sampling element containing adsorbing material and having apertures permitting access of air to said material and means for removably associating said sampling element with said units, whereby to allow removal and testing of said element for predicting the useful life of the adsorbing material in said units.

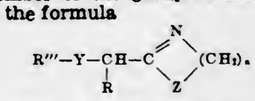
2,579,478

HETEROCYCLIC COMPOUNDS

Carl Djerassi, Morristown, and Caesar R. Scholz, Summit, N. J., assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application June 7, 1948, Serial No. 31,608
9 Claims. (Cl. 260—243)

1. A member of the group consisting of compounds of the formula



wherein n is one of the integers 2 and 3, Z stands for a member selected from the group consisting of oxygen and sulfur, R represents a member selected from the group consisting of hydrogen and lower alkyl, Y is a member selected from the group consisting of oxygen, sulfur and nitrogen, and R‴, when Y is oxygen or sulfur, is a member selected from the group consisting of aryl, aralkyl, alkyl-substituted aryl, halogen-substituted aryl, halogen-substituted aralkyl and alkyl-substituted aryl, and salts thereof, and when Y is nitrogen, is the groupings

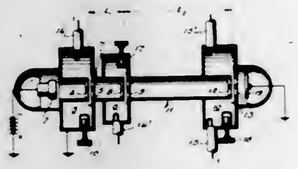


wherein R′ and R″ each stands for a member selected from the group consisting of alkyl, aralkyl and aryl, and the halogen being selected from the group consisting of chlorine and bromine.

2,579,479
$\Delta^{1,4}$-PREGNADIENE-17α-OL-3-ONES
Carl Djerassi, George Rosenkranz, and Juan Berlin, Mexico City, Mexico, assignors to Syntex S. A., Mexico City, Mexico, a corporation of Mexico
No Drawing. Application January 23, 1950, Serial No. 140,154
3 Claims. (Cl. 260—397.4)

1. A new compound consisting of a $\Delta^{1,4}$-dien-3-one of the 17α-hydroxypregnane series.

2,579,480
ULTRAHIGH-FREQUENCY ELECTRON DISCHARGE APPARATUS
Eugene Feenberg, Kew Gardens, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 26, 1947, Serial No. 770,637
15 Claims. (Cl. 315—6)



1. An ultra-high-frequency electron-discharge device comprising means for producing an electron beam including a cathode; a cavity resonator having a predetermined natural resonant frequency and having a pair of electron-permeable walls aligned with said cathode; first means defining an electron drift space beyond said first cavity resonator; a second and floating cavity resonator beyond said first electron-drift-space-defining means and having a natural resonant frequency substantially twice that of said first cavity resonator, said second cavity resonator having a pair of electron-permeable walls aligned with said cathode, the drift space between the electron-permeable walls of said first and second resonators being substantially less than the space required to cause the electron beam to attain maximum density modulation; second means beyond said second cavity resonator defining a further electron drift space; and means beyond said second electron-drift-space-defining means for extracting energy of frequency other than that of the second cavity resonator from said electron beam.

2,579,481
ADHESIVE COMPOSITION
James E. Fenn, Baldwin, N. Y., assignor of one-tenth to Charles H. Brown, Princeton, N. J.
No Drawing. Application February 17, 1948, Serial No. 8,999
11 Claims. (Cl. 260—17.5)

11. A remoistening adhesive comprising as a major ingredient the concentrated waste product of the sulfite-pulp process treated with approximately 1% to 2.25% of phosphoric acid, and then blended with polyvinyl alcohol and a plasticizer selected from the group which consists of urea and thiourea, said plasticizer being in the amount of substantially 10% to 20% based on the dry weight of the polyvinyl alcohol and acid-treated material, said plasticizer being in an amount greater than said polyvinyl alcohol.

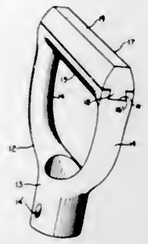
2,579,482
ADHESIVE COMPOSITION OF SULPHITE WASTE LIQUOR, PHOSPHORIC ACID, AND SULFUR DIOXIDE
James E. Fenn, Baldwin, N. Y., assignor of one-tenth to Charles H. Brown, Princeton, N. J.
No Drawing. Application February 17, 1948, Serial No. 9,006
10 Claims. (Cl. 260—17.5)

1. An adhesive comprising the concentrated waste liquor of the sulfite-pulp process treated with a small quantity of phosphoric acid and a substance selected from the group consisting of sulfur dioxide and a material capable of releasing sulfur dioxide when mixed with water, the amount of sulfur dioxide used being equivalent to that released by approximately 1 per cent of zinc hydrosulfite.

2,579,483
ADHESIVE COMPOSITION
James E. Fenn, Baldwin, N. Y., assignor of one-tenth to Charles H. Brown, Princeton, N. J.
No Drawing. Application July 29, 1949, Serial No. 107,629
9 Claims. (Cl. 260—17.5)

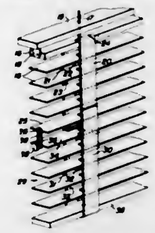
1. An adhesive comprising as a major ingredient the concentrated waste liquor of the sulfite pulp process, polyvinyl alcohol, a plasticizer selected from the group consisting of urea and thiourea, and formamide, said plasticizer and formamide together being in an amount not less than the amount of polyvinyl alcohol.

2,579,484
SHOVEL HANDLE
William Fenton, deceased, late of Dayton, Ohio, by Elizabeth P. Fenton, executrix, Dayton, Ohio, assignor to The Fenton Foundry Supply Company, Dayton, Ohio, a corporation of Ohio
Application October 20, 1947, Serial No. 780,860
2 Claims. (Cl. 294—57)



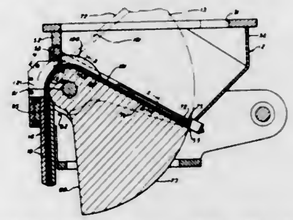
1. A grip for a tool handle, comprising a one-piece cast metal portion forming a shank for attachment to the tool handle and further forming spaced arms extending upwardly from the shank and terminating in a cross bar interconnecting said arms and lying at right angles to the longitudinal axis of the shank, said cross bar being formed with a curved under surface and a flat outer surface, a longitudinal groove in the flat outer surface of said cross bar and opening through the ends thereof, a resilient member mounted on the outer surface of said cross bar in overlying relation to said groove and having a longitudinal tongue received in said groove, said groove and said tongue having complementary inclined side walls constituting an interlock between said member and said cross bar, and that portion of said member outside said groove being externally curved in conformity with the curved surface of said cross bar, the curved surfaces of said member terminating at their upper ends in a longitudinal flat area whereby said member has in cross section a wedge-like shape useful in tamping upon inversion of the tool handle.

2,579,485
SECTIONAL VENETIAN BLIND
Harold W. Ferguson and Sol Schwartz, Rochester, N. Y.
Application May 11, 1949, Serial No. 92,678
5 Claims. (Cl. 160—115)



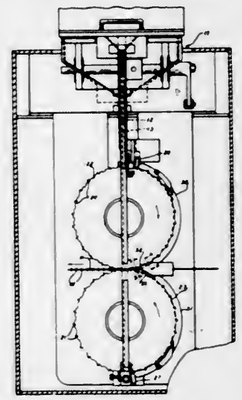
1. A Venetian blind comprising supporting means, a plurality of superposed slats, a plurality of pairs of spaced ladder tapes, each of said pairs supporting a section of said slats and being movable independently of the other of said pairs for tilting the slats of one section independently of the slats of the other of said sections, the adjacent slats of said sections having pivot studs projecting centrally from the ends thereof, slotted links engaging the adjacent studs for pendently and collapsibly connecting the lower of said sections to the upper thereof, and a common means for elevating all of said slats to collapsed position to clear a window on which said blind is positioned.

2,579,486
HOPPER FEED
Alexander C. Frankwich, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1946, Serial No. 702,493
2 Claims. (Cl. 10—167)



1. A hopper feed, which comprises a hopper having a slot formed in a side wall thereof, a vane mounted in a vertical plane and also being mounted for oscillation about a predetermined horizontal axis spaced near said side wall, said vane having an arcuate portion concentric with the axis of oscillation thereof, said arcuate portion extending through and serving to seal the slot in the side wall of the hopper, an upper edge of said vane being joined to the arcuate portion thereof along an extension of a chord of the arcuate portion, said upper edge having a groove formed therein for receiving articles and for guiding the articles to the arcuate portion of the vane, said arcuate portion having a substantially completely enclosed passage extending through the interior thereof from the groove for receiving the articles from the groove, the end of said passage adjacent to the end of the groove being in alignment with the groove, at least a portion of said passage extending in an arc having the axis of oscillation of the vane as its center, a second arcuate portion concentric with the first-mentioned arcuate portion and having an open, arcuate groove forming a continuation of the arcuate portion of the passage, means for oscillating the vane between predetermined limits, means for holding articles in the arcuate groove, and means mounted tangentially with respect to the arcuate groove and resting on the bottom thereof for deflecting articles out of the last-mentioned groove.

2,579,487
METHOD OF AND APPARATUS FOR FEEDING AND APPLYING INSULATING DISKS TO CONDUCTORS
Alexander C. Frankwich, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1946, Serial No. 702,494
8 Claims. (Cl. 29—155.5)

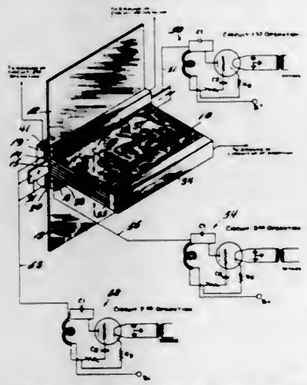


1. The method of feeding and applying insulating discs to conductors, which comprises moving through a predetermined path to and onto a conductor a washer-like insulating disc having an inner periphery, an outer periphery and an opening extending from the outer periphery thereof to the inner periphery thereof, and gradually expanding the opening as the disc approaches the conductor and is moved onto the conductor to prevent abrupt expansion of the opening as the disc is moved onto the conductor.

6. In an apparatus for feeding and applying insulating discs to conductors including an applicator wheel for moving an annular, plastic insulating disc through a predetermined path and for applying the disc to a conductor being advanced tangentially with respect to the applicator wheel, a knife for slitting the disc radially at a predetermined point in the path of the disc and a thin arcuate guide adjacent to the knife for entering the slit to keep it open and to guide the disc, the improvement which comprises an expander positioned to enter the slit in the disc and extending from the guide substantially to the conductor, said expander being tapered outwardly from the end thereof adjacent to the guide to the other end of the expander and serving to gradually open the slit in the disc

as the disc is moved over the expander, the portion of the expander near the conductor being sufficiently thick to maintain the walls of the slit out of contact with the conductor during at least a portion of the movement of the discs over the conductor.

2,579,488
METHOD OF BOOKBINDING
Harry Freeman, Providence, R. I.
Application October 23, 1946, Serial No. 705,044
4 Claims. (Cl. 281—21)



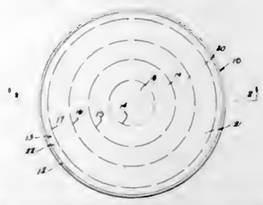
3. The method of binding a book which comprises providing a strip of thermoplastic material having two plies and two flanges, placing the edges of book folios against the inner one of said plies and between a pair of said flanges, positioning an electrode between said plies and positioning another electrode so as to provide with the first electrode an electronic field containing the folio edges contacting said inner ply and energizing said field to soften the inner ply and forcing the softened ply between said folios, and as another operation placing a casing against the other pair of flanges and positioning electrodes to provide an electronic field including the flanges and casing and energizing said field to soften the flanges and cement them to said casing.

2,579,489
WIRE FASTENER FOR SECURING SHEET METAL TO IMPERFORATE FRAME MEMBERS
Sabin J. Gianelloni, Jr., Baton Rouge, La.
Application November 16, 1945, Serial No. 629,004
3 Claims. (Cl. 24—27)



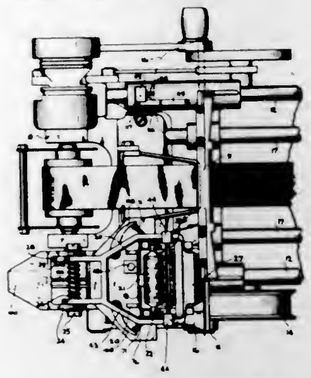
1. A metallic fastener for securing two or more structural members in assembled relation comprising a solid deformable metal head having a concave face terminating in a thin peripheral edge and adapted, upon the application of pressure, to assume the contour of the structural member which it abuts, and a shank having a first straight section, a second straight section contiguous and parallel to said first section, and a third section of substantially circular configuration embedded in said metallic head and forming a continuation of said first and second sections.

2,579,490
FACE POWDER BOX
Rosalie A. Gordon, Indianapolis, Ind.
Application June 15, 1948, Serial No. 33,009
1 Claim. (Cl. 229—51)



A container comprising a cylindrical shaped receptacle open at one end adapted to contain powder, and a cover made of frangible material positioned adjacent the open end of said receptacle and having the edge thereof extending into the open end of and secured to the adjacent portion of the wall of said receptacle closing said receptacle, said cover being provided with a plurality of concentric endless score lines arranged in spaced parallel relation inwardly from the bounding edge thereof, the longitudinal axis of said cylindrical receptacle passing through the common center of said concentric score lines.

2,579,491
REPLENISHING NARROW-WARE LOOM
Richard A. Griefen, Conshohocken, and Franz C. Mostertz, Philadelphia, Pa., assignors to Martin Fabrics Corporation, New York, N. Y., a corporation of New York
Application October 7, 1949, Serial No. 120,078
18 Claims. (Cl. 139—243)

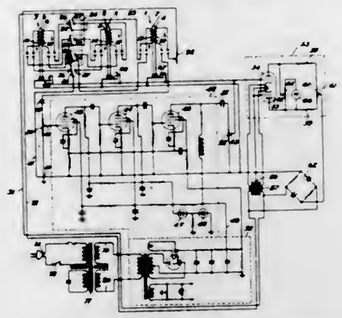


1. In a loom having a shuttle defining a trajectory from one side of the loom to the other side thereof, a quill magazine disposed at a point defining one end of the shuttle trajectory quill feeding means cooperating with said magazine for depositing a fresh quill in said shuttle upon indication of weft exhaustion, weft-detecting means disposed at a point defining the opposite end of the shuttle trajectory for indicating exhaustion of weft in the shuttle, said shuttle having a quill compartment, a fixed centrally disposed slot opening upwardly toward said quill feeding means, a pair of movable thread tensioning guides normally disposed at opposite ends of said quill compartment and movable to operative threading position in alignment with said fixed slot, each of said thread tensioning guides having an upwardly opening, weft-receiving slot, and threading means disposed at the magazine end of the loom for moving said thread tensioning guides to operative threading position upon arrival of the exhausted shuttle at the magazine end of its trajectory subsequent to the indication of weft exhaustion, and means for spreading said tensioning guides towards their normal positions.

2,579,492
VULCANIZATION OF POLYMERIZED ACRYLIC ESTERS
John E. Hansen, North Wales, and Thomas J. Dietz, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 19, 1949, Serial No. 105,662
10 Claims. (Cl. 260—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising heating a mixture containing an amine selected from the group consisting of an unsubstituted polymethylenediamine, an unsubstituted polyethyleneamine, and a mixture of these amines as the sole vulcanizing agent, and a halogen-free polymeric material selected from the group consisting of polymeric alkyl acrylate, a copolymer of an alkyl acrylate and an alkyl methacrylate, and a copolymer of an alkyl acrylate and styrene, at vulcanization temperature to effect vulcanization of said polymeric material.

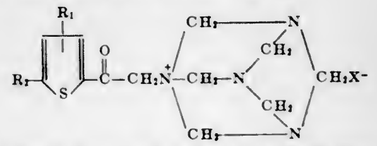
2,579,493
METHOD FOR TESTING WOUND CORES
Henry Frank Herbig, Mountain Lakes, N. J., and John Joseph McManus, Valley Stream, N. Y., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 28, 1948, Serial No. 11,886
1 Claim. (Cl. 175—183)



Method of testing windings on a core that comprises creating a first voltage related in magnitude to the permeability of the unwound core and measuring this reference voltage; producing a second voltage likewise related in magnitude to the permeability of the core with its open windings thereon and measuring this second voltage; electrically comparing the magnitude of said first and second voltage so that if there is a substantial difference between them, reflecting short circuited turns in the windings, the core and windings may be rejected; producing a third voltage likewise related in magnitude to the permeability of the core and windings after electrically connecting the winding ends and measuring said third voltage; and electrically comparing said third voltage with one of the previous voltages so that if there is not a substantial difference in magnitude between them the core and windings may be rejected for lack of continuity of the windings.

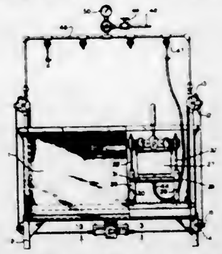
2,579,494
N-(2-THENOYLMETHYL) HEXAMETHYLENETETRAMINIUM HALIDES
Edward C. Hermann, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 2, 1950, Serial No. 177,335
4 Claims. (Cl. 260—248.5)

1. A compound of the formula,



where R_1 is a member of the class consisting of hydrogen and lower alkyl radicals, R_2 is a member of the class consisting of hydrogen, halogen, nitro, and lower alkyl radicals, and X is selected from the group consisting of chlorine and bromine.

2,579,495
LEAKAGE TESTING APPARATUS
Everett M. Hunt, Portsmouth, N. H.
Application September 27, 1945, Serial No. 619,004
2 Claims. (Cl. 73—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



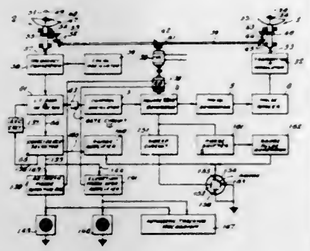
1. In apparatus for testing hollow articles each having an open side, a testing frame comprising a base plate, a compressible pad carried by said base plate and on which an open side of one of said articles is adapted to rest, a clamping plate for clamping one of said articles to said pad, said clamping plate being positioned a predetermined distance above said pad, said clamping plate being movable and resiliently biased away from said pad, guide means for maintaining said plate parallel to said pad, a rotatable lever carrying a cam operative to move said clamping plate to secure said article between said clamping plate and said pad, and a flexible conduit opening into said hollow article through said base plate and said pad, said conduit being connected at the other end to a source of gas under pressure.

2,579,496
SWITCH ARRANGEMENT ON PHONOGRAPH PICKUP
William D. Huston, Cranford, N. J., and James M. Brady, Washington, D. C., assignors to the United States of America as represented by the Secretary of War
Original application October 17, 1944, Serial No. 559,108. Divided and this application June 7, 1945, Serial No. 598,194
3 Claims. (Cl. 200—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



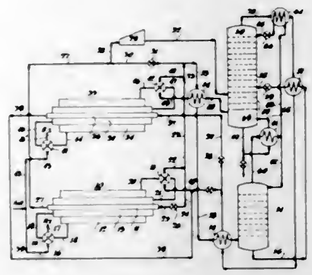
3. A phonograph reproducing arm for use with a phonograph record having grooves cut in the face thereof, wherein the depth of said grooves varies along the length of said grooves in accordance with recorded signals, said reproducing arm comprising a pivoted spring slidably engaging with and riding on said face of said phonograph record, a lever pivoted on the engaging end of said pivoted spring, and having, at the outer end of said lever projecting beyond the engaging portion of said pivoted spring, a pointed sensing member disposed within a groove, said lever having a degree of freedom about its pivot point which enables said member to rotate said lever relative to said pivoted spring in accordance with the depth of said grooves, and a pair of engageable contacts, one of which is on said pivoted spring and the other of which is on the opposite end of said lever, whereby said lever closes and opens said contacts in accordance with said recorded signals.

2,579,497
RADIO PULSE SYSTEM
Eric J. Isbister, Forest Hills, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application February 15, 1943, Serial No. 476,010
24 Claims. (Cl. 343—11)



2. In an echo type radio pulse system, means for identifying energy reflected from an object comprising a transmitter for radiating energy periodically modulated by a plurality of short pulses to irradiate said object, a receiver for receiving energy reflected from said irradiated object, means responsive to energy having the requisite modulation for segregating such energy from other received energy, and means responsive to said segregated energy for controlling said receiver to maintain the average level of said segregated energy substantially constant.

2,579,498
PROCESS FOR PRODUCING OXYGEN
Frank J. Jenny, New York, N. Y., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application December 21, 1946, Serial No. 717,672
16 Claims. (Cl. 62—175.5)



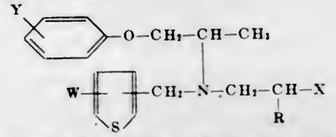
1. A process for producing oxygen by the liquefaction and rectification of air which comprises passing a stream of air through a path in a heat exchange zone, passing a stream of nitrogen rectification product through another path in said heat exchange zone in heat exchange relation with the air passing therethrough, thereby cooling the air to a temperature close to its condensation point at the pressure prevailing in said heat exchange zone and effecting substantially complete removal of carbon dioxide from the air in its passage through said heat exchange zone, warming a minor portion of the thus chilled air to a temperature such that upon subsequent expansion substantially none of the expanded air is liquefied, expanding the warmed portion of the air to produce refrigeration in amount sufficient to compensate for cold losses resulting from the difference in enthalpy between the incoming air and the outgoing products of rectification and for heat leaks into the process, passing the remainder of the air at said temperature close to its condensation point to a rectification zone, maintaining the temperature difference between the temperature of the air leaving and the temperature of the nitrogen rectification product entering said zone so that it falls within the range of about 6° to about 8° F. and periodically reversing the flow of air and nitrogen rectification product through their respective paths in said zone, whereby upon each of said reversals the nitrogen rectification product substantially completely removes the carbon dioxide deposited in said zone during the preceding step of said process.

2,579,499
SYNTHETIC OILS
Wesley A. Jordan and Harold Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application October 27, 1949, Serial No. 123,976
5 Claims. (Cl. 260—410.6)

1. Process of clarifying a synthetic oil derived by the esterification of a fatty acid with a polyhydric alcohol in the presence of a lead esterification catalyst, which comprises treating the oil with phthalic anhydride in a quantity of from one-half to twenty moles per mole of lead present in the oil, and removing the precipitate thus formed.

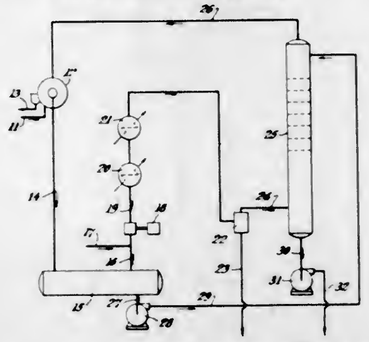
2,579,500
N-(PHENOXYISOPROPYL)-N-THIENYL-BETA-HALO-ETHYLAMINES
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 2, 1950, Serial No. 183,095
6 Claims. (Cl. 260—332.5)

1. A compound of the class consisting of a free base and its acid addition salts, the free base having the formula:



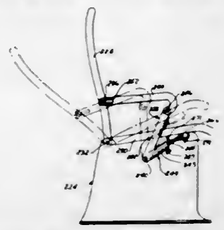
in which Y is a member of the group consisting of hydrogen, alkyl groups containing not more than 4 carbon atoms, hydroxy, methoxy and chlorine; W is a member of the group consisting of hydrogen, alkyl groups containing not more than 4 carbon atoms, chlorine and bromine; R is a member of the group consisting of hydrogen and methyl and X is a member of the group consisting of chlorine and bromine.

2,579,501
SEPARATION OF WAX BY FILTRATION WITH FLUE GAS CHILLING
Wheaton W. Kraft, Scarsdale, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application July 14, 1949, Serial No. 104,629
10 Claims. (Cl. 196—19)



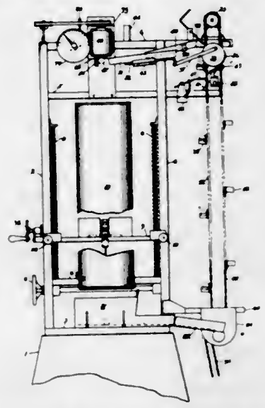
1. In a continuous process for separation of wax from a chilled mixture of wax, oil and solvent by filtration of said mixture in an atmosphere of flue gas to produce a separated wax and a filtrate containing said flue gas, the improvement which comprises withdrawing from the filtration operation filtrate containing said flue gas, passing said withdrawn filtrate to a gas-liquid separating operation thereby separating flue gas contained in the filtrate and producing a denuded filtrate, introducing make-up gas to said separated flue gas, cooling the combined make-up gas and flue gas to condense liquid therefrom, separating the condensed liquids from said combined gas, removing liquid from said gas-liquid separating operation, contacting said combined gas with said denuded filtrate, thereby further cooling the gas to the filtration temperature and simultaneously scrubbing the combined gas, and passing said cooled and scrubbed gas to the filtration operation.

2,579,502
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application January 31, 1946, Serial No. 644,451
16 Claims. (Cl. 155—105)



1. A reclining article of furniture comprising: a support, a back-rest pivotally mounted on said support, a seat, the rear portion of said seat being swingably mounted on said support, a controlling link, said controlling link being swingably mounted on said support at a point spaced from the pivotal connection between the back-rest and the support and extending upwardly from its pivotal connection with said support, a connecting link, said connecting link being pivoted at its rear end to an intermediate point of said back-rest above the pivotal connection between the back-rest and the support and being pivoted at its front portion to the upper end of said controlling link, a controlling arm extending forwardly, the rear end of said controlling arm being fixedly connected with said controlling link, and means positioned between the front end of said controlling arm and said seat to effect movement of said seat in coordination with said controlling arm.

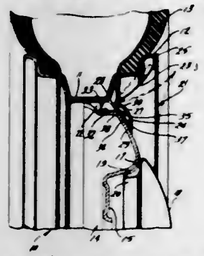
2,579,503
IMPACT TESTING MACHINE
George Lubin, New York, N. Y., and Roswell R. Winans, West Caldwell, N. J.
Application February 26, 1945, Serial No. 579,819
5 Claims. (Cl. 73—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for impact testing the strength of materials, means for releasably holding an impact weight such as a ball, said holding means comprising electro-magnetic means in association with a core of low-flux-retentivity material, a cone-shaped non-magnetic member ad-

jacent to the end of said core and providing weight-seating means adapted to hold such weight separated from said core by an air gap, said non-magnetic member restricting the path of the field created by said electro-magnetic means to an axial center portion of the core whereby a non-eccentric concentration of flux is produced substantially at the center of said core, and focused at the center of said ball to permit free release of the ball without imparting to it initial rotation.

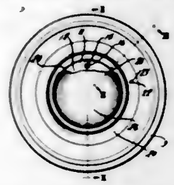
2,579,504
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application November 18, 1946, Serial No. 710,453
14 Claims. (Cl. 301—37)



1. In a cover assembly for disposition over the outer side of a wheel structure having a tire rim part and a central load bearing part, there being circumferentially spaced openings along the junction of the rim and the load bearing parts, a radially outer resilient annular cover member having a cross sectional expanse so that it extends substantially from the radially outer extremity of the rim and radially and axially inwardly beyond the junction of the rim and the load bearing parts to conceal the rim and said junction, said cover member having a generally radially inwardly and axially outwardly extending divergent inner marginal flange, and an annular relatively rigid metallic retaining member for maintaining the cover member on the wheel, said retaining member including means for engaging in said openings in the wheel to retain the same on the wheel and an axially outer, radially outwardly extending retaining bead portion for receiving and completely overlapping said cover member flange therebehind in interhooked relation and with the radially outer edge of the bead portion engaging at the juncture of the flange with the body of the cover member to retain the inner margin of the cover member in place with respect to the wheel, said retaining member also including means cooperating with said radially outer edge of the bead portion to engage the axially inner side of said cover flange adjacent to said juncture to retain the flange against escape from the retaining member before application of the cover to a wheel.

2,579,505
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application December 20, 1946, Serial No. 717,352
7 Claims. (Cl. 301—37)

1. In a wheel structure including a multi-flange tire rim and a wheel body having cover retaining means thereon, a cover assembly including an annular trim ring for disposition opposite the flanges of the rim and having an inner margin formed to be detachably pressed into engagement with said retaining means and carrying hub cap retaining means, and a hub cap detachably snapped over said hub cap retaining means and removable to afford access to said cover retaining means, said cover retaining means being accessible upon removal of said hub cap for manual engagement to release the same from holding engagement with said ring margin, said cover retaining means comprising a plurality of generally radially extending fingers each having a free extremity with a biting edge directed generally axially rearwardly and arranged for biting engagement with said ring inner margin.



2,579,506
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application January 17, 1947, Serial No. 722,659
12 Claims. (Cl. 301—37)

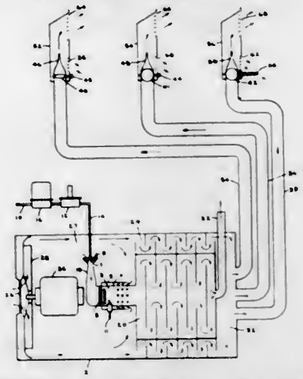


1. In a wheel structure including a tire rim and a wheel body having wheel openings therebetween, a cover assembly for ornamentally concealing the outer side of the wheel comprising a radially outer annular member for substantially concealing the tire rim, an inner circular cover member in the nature of a hub cap, and retaining means engageable with the wheel structure in said wheel openings and retaining the outer annular cover member relatively fixedly assembled on the wheel but retaining the inner hub cap cover member separably so that the inner hub cap cover member can be readily pried free from the assembly and replaced at will, said retaining means comprising elongated strips having wheel engaging portions behind the outer cover member and generally axially outwardly extending spring clip portions projecting beyond the inner margin of the outer cover member and engageable by the inner hub cap cover member in snap-on pry-off relationship.

2. In a wheel structure including a tire rim and a wheel body, a cover assembly for ornamentally concealing the outer side of the wheel comprising a radially outer annular member for substantially concealing the tire rim, an inner circular cover member in the nature of a hub cap,

and retaining means engageable with the wheel structure and retaining the outer annular cover member relatively fixedly assembled on the wheel but retaining the inner hub cap cover member separably so that the inner hub cap cover member can be readily pried free from the assembly and replaced at will, said retaining means comstricting and substantially closing the mouth of the sack including a constricting element disposed within the periphery of the sack and integral portions of the sack enveloping the constricting element and having terminal parts lying within the periphery of the sack and retained by the constricting element.

2,579,507
WARM-AIR HEATING SYSTEM UTILIZING AS THE FUEL A COMBUSTIBLE GAS
Calvin D. MacCracken, Tenafly, N. J., assignor to Jet-Heet, Inc., Englewood, N. J., a corporation of New York
Application September 13, 1949, Serial No. 115,406
3 Claims. (Cl. 237—2)



1. A warm air heating system comprising a heat-exchanger, an enclosed combustion-chamber in communication therewith for supplying hot combustion products thereto, a constant speed fan for supplying air to both said chamber and said heat-exchanger, conduit means receiving the heated air from the heat-exchanger for delivery to the point of utilization, means for varying the impedance to the flow of air through said conduit means whereby the pressure in the heat-exchanger and combustion chamber is varied, means for supplying gaseous fuel to the combustion-chamber at a substantially constant pressure of a value only slightly in excess of the maximum pressure attainable in the combustion chamber, whereby the flow of gaseous fuel is automatically varied solely by reason of variations of pressure within the combustion-chamber acting in opposition to the constant pressure of the gas supplied thereto.

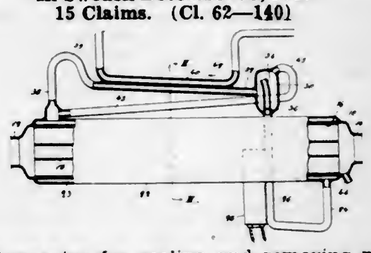
2,579,508
SURGICAL SPONGE OR LIKE ARTICLE
Carl W. Mott, La Grange, Ill., assignor, by mesne assignments, to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application January 10, 1947, Serial No. 721,410
10 Claims. (Cl. 128—156)



1. An article of the class described, comprising: a sack of generally spherical shape; filling material within the sack; and means for con-

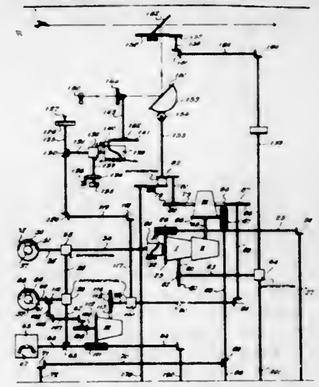
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2,579,509
APPARATUS FOR REMOVING MOISTURE FROM HEAT INSULATING WALLS
Carl Georg Munters, Stocksund, Sweden
Application May 28, 1949, Serial No. 95,948
In Sweden December 15, 1947
15 Claims. (Cl. 62—140)



1. Apparatus for cooling and removing moisture from air comprising means providing a closed evaporating-condensing heat transfer system containing a body of heat transfer fluid circulating in normal operation between the condenser and the evaporator of the system with which the air to be cooled is in heat exchange relation, means for cooling said condenser to effect normal circulation of the fluid in the system, a heating element for supplying heat to said system, means included in the system and operative in response to heat added by said element for creating a liquid seal of said fluid blocking the normal circulation of said fluid through the system, and means included in the system for conducting liquid of said fluid heated by said element to said evaporator to defrost the same.

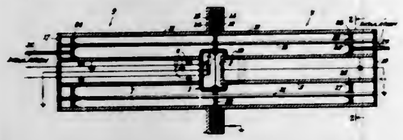
2,579,510
RANGE SOLUTION APPARATUS
Edward J. Nagy, Garden City, and Edmund B. Hammond, Jr., Floral Park, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application November 11, 1944, Serial No. 563,068
9 Claims. (Cl. 33—49)



1. In a computing mechanism for airborne ordnance of the kind having a ballistic mechanism

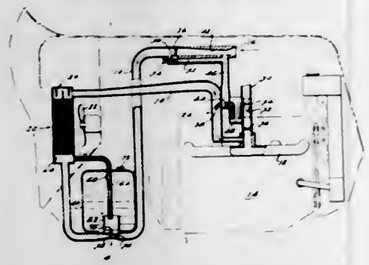
displaced with the target tracking movement of a gun and by an air speed input, the improvement which comprises a cam displaced in one dimension in accordance with time of flight, a lift pin therefor, the cam being so laid out as to displace the lift pin in proportion to range at zero air speed, range measuring means jointly controlled by the lift pin and by said ballistic mechanism, the latter modifying the lift pin displacement to compensate for the velocity at which the gun is moving and the angular position of the gun.

2,579,511
OSCILLATOR CONSTRUCTION
Evert M. Ostlund, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 24, 1945, Serial No. 595,515
16 Claims. (Cl. 315—39)



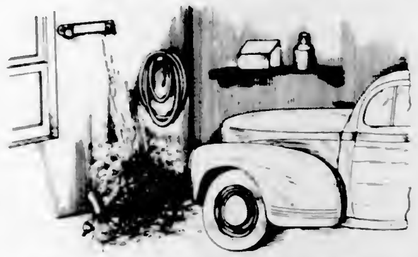
15. A transmission line oscillator comprising an electron discharge device including an anode, cathode, and a grid, a cathode transmission line coupled to the cathode, an anode transmission line coupled to the anode, feedback means connected between the transmission lines, movable conductors connected across said transmission lines for tuning the transmission lines and conductive connecting means between said feedback means and said conductors for varying the effect of said feedback means when said conductors are moved.

2,579,512
REFRIGERATING APPARATUS AND METHOD
Lester E. Perrine, Highland Park, Mich.
Application May 8, 1946, Serial No. 668,227
6 Claims. (Cl. 62—117)



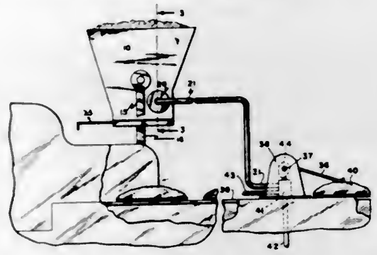
1. A refrigerating system operable for cooling space in a vehicle having an internal combustion engine for propelling the same, said engine having an induction system and a carburetor associated with said induction system for supplying fuel thereto, said carburetor having a throttle, said refrigerating system comprising an air conduit connected at one end to said induction system downstream relative to said throttle, said air conduit having an air inlet at the other end thereof, means associated with said conduit for mixing and substantially saturating the air flowing through said conduit with refrigerant, a portion of said conduit between said means and the connection between the conduit and the induction system forming a heat exchanger for the refrigerant saturated air flowing through the conduit, said heat exchanger being arranged for absorbing heat from the space in the vehicle to be cooled, an auxiliary carburetor having its throttle arranged in said air inlet and a fuel jet arranged in said air conduit downstream relative to said heat exchanger, and operating means connected to said throttles in such a manner so as to open the throttle of said auxiliary carburetor before the other throttle is opened and to close said throttles in the reverse order.

2,579,513
FIRE EXTINGUISHER
George W. Pfleghar, Pleasantville, N. J.
Application August 30, 1949, Serial No. 113,043
7 Claims. (Cl. 169—26)



1. A fire extinguisher adapted to be mounted upon a wall or the like, at a suitable distance above a floor or other hard surface, including, an elongated frangible sealed glass tube filled with a fire-extinguishing fluid, and a pair of horizontally aligned tube-supporting arms supporting said tube near its ends with the tube in generally horizontal position, at least one of said tube-supporting arms having a heat-severable link constructed and arranged to release an end of the tube for gravity-induced descent so that the tube falls, shatters, and releases the fluid therein.

2,579,514
DOUGH PIECE CONTROLLED FLOUR DUSTER
Herbert C. Rhodes, Portland, Oreg., assignor to Read Standard Corporation, a corporation of Delaware
Application April 13, 1949, Serial No. 87,329
5 Claims. (Cl. 107—7)

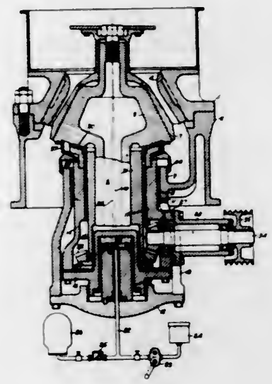


1. In a flour duster of the character described, the combination of a flour container having a foraminous bottom, a shaft mounted in the lower portion of said container above said foraminous bottom, adjustable means for limiting the movement of said shaft in one direction, a fluid cylinder, a piston on said shaft within said cylinder, fluid pressure delivery means connected to one end of said cylinder, for moving said piston, and therewith said shaft in said first mentioned direction, spring means for moving said shaft in opposite direction upon the discontinuance of the fluid pressure in said cylinder, an agitator element slidably mounted on said foraminous bottom, said element connected with said shaft, a control valve for said fluid pressure delivery means, and a dough-contacting member operating said control valve, whereby fluid pressure will be delivered to said cylinder whenever said member is engaged by the dough.

2,579,515
HALOHYDROXY ETHERS
John Robert Roach and Harold Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application October 24, 1946, Serial No. 705,485
6 Claims. (Cl. 260—615)

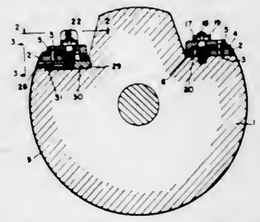
1. Process of producing a chlorohydroxypropyl ether of a polyhydric alcohol whicl. comprises mixing a compound selected from the group consisting of diallyl ether and allyl ethers of polyhydric alcohols, in dilute aqueous media with an alkaline earth metal hypochlorite, thereafter acidifying the reaction mixture by means of carbon dioxide to precipitate alkaline earth metal carbonate and to liberate hypochlorous acid, maintaining the reaction mixture at a temperature between 0° C. and room temperature until the hypochlorous acid is consumed, removing the precipitated alkaline earth metal carbonate, and recovering the chlorohydroxypropyl ether.

2,579,516
GYRATORY CRUSHER WITH VERTICALLY ADJUSTABLE HEAD
Alexander J. Roubal, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Application August 28, 1950, Serial No. 181,710
10 Claims. (Cl. 241—215)



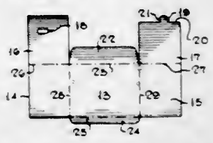
1. In a gyratory crusher of the type having a frame carrying a crushing shell, a hub on said frame axially aligned with and below said crushing shell, a gyratory head cooperating with said shell and having a shaft portion extending downwardly into said hub and a rotary eccentric sleeve rotatably engaging said shaft portion for gyrating said head, the combination comprising a bearing element adjustable up and down in said hub and having bearing surfaces supporting said eccentric sleeve in axially fixed rotatable relation and said head in axially fixed gyratable relation, respectively, adjustable means interconnecting said hub and said bearing element in axial thrust transmitting relation and actuable to move said bearing element up and down in said frame, and means for rotating said eccentric in said bearing element.

2,579,517
METHOD OF AND MEANS FOR ATTACHING PRINTING MEMBERS TO CYLINDERS OF PRINTING PRESSES
George S. Rowell, Bedford, and Herbert McGeorge, Cleveland Heights, Ohio, assignors to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application November 1, 1946, Serial No. 707,290
18 Claims. (Cl. 101—415.1)



1. Means for attaching lithographic plates, blankets, and the like to the cylinders of rotary presses comprising a plurality of teeth on such cylinder adapted to engage corresponding holes in such plate, clamping means operative to hold such plate firmly in engagement with such teeth, and a stripper member adapted to engage the other side of such plate from such clamping means and to cooperate therewith to clamp such plate therebetween during removal of such plate from said teeth.

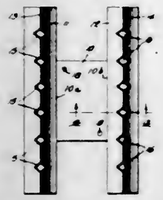
2,579,518
CONTAINER
Edward G. Schaefer, Newark, N. J.
Application December 21, 1946, Serial No. 717,640
5 Claims. (Cl. 229—32)



5. In a flexible sheet container having a four-sided flat bottom with a peripheral edge and three interconnected side walls extending at right angles from said edge, leaving an open peripheral edge portion on said bottom, said side walls having a substantially even upper edge, the improvement comprising such a unit having a short flap extending over the whole length of the open peripheral edge portion and hinged thereto, and another such unit superimposed upon the first unit upside-down and in reverse to act as a cover for the first unit and the middle side wall of the superimposed unit acting as a fourth side wall to

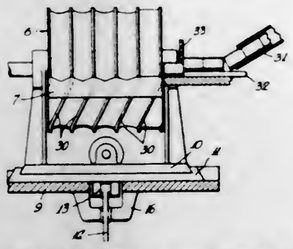
form a totally enclosed container, said hinged short flaps of each unit being long enough only to act as an edge sealing means over the edge of each middle side wall, said flaps being positioned outside of the side walls when the container is assembled.

2,579,519
HOLDING RACK FOR ELONGATED ARTICLES
Josiah Shepard, Chevy Chase, Md.
Application June 27, 1946, Serial No. 679,743
1 Claim. (Cl. 211—69)



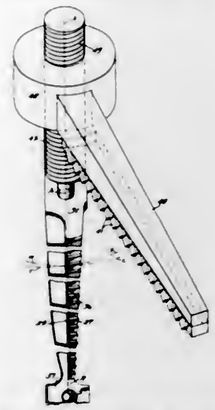
A blank of sheet material for forming a holding rack for pens, pencils or the like having an outline of the letter H adapted to be stamped from a larger sheet in which the blanks are interengaged and juxtaposed, said blank having opposed long sides bridged by a base member extending from the mid-portions of said long sides at scored lines between said sides and said base member, a plurality of diamond-shaped openings extending along the length of each side with the short diagonals of said openings coinciding with the scored longitudinal median line of each long side and with the long diagonals of each respective pair of openings on said long sides being in alignment, so that when said long sides are bent along their median lines to form gable-shaped bodies, V-shaped notches are formed therein to provide secure rests for elongated articles of all shapes, contours and sizes which are adapted to extend between said long sides, the scored lines along the longitudinal medians of said long sides adapted to be bent reversely to the scored lines at the junctions of said base with said sides so that said base may rest flatly on a support while said sides of the gable-shaped bodies have only their long edges in contact with the support.

2,579,520
CENTERLESS GRINDER
John W. Smith, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application July 9, 1949, Serial No. 103,816
15 Claims. (Cl. 51—103)



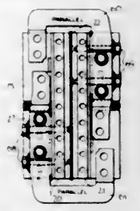
1. In a centerless grinder, a grinding wheel and a regulating wheel, said grinding wheel having a plurality of separate circumferentially continuous grinding profiles in adjacent parallel radial planes, said regulating wheel having separate corresponding profile surfaces in adjacent parallel radial planes and continuous throughout a portion only of the circumference of said regulating wheel, said regulating wheel having generally spiral transfer means thereon for transferring work blanks from one profile to the next.

2,579,521
PINKING SHEARS AND METHOD OF MANUFACTURING SAME
Otto E. Sorensen, Fairfield, Conn.
Application March 12, 1946, Serial No. 653,805
20 Claims. (Cl. 30—230)



8. Pinking shears embodying in combination, blades pivotally coupled together in a manner to swing relatively about a common pivotal axis, said blades having cooperative cutting edges and ribbed mutually facing surfaces, each of said ribbed surfaces comprising ridges and grooves ending at the cutting edge of the blade and extending from said cutting edge crosswise of the blade in a course that curves digressively from all reference planes touching said course, the entire surfaces of the said ridges and grooves being of curved contour in all directions other than a direction truly radial to said pivotal axis.

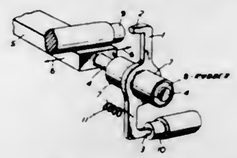
2,579,522
TRANSFORMER CONSTRUCTION
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application February 4, 1946, Serial No. 645,449
1 Claim. (Cl. 175—356)



In a transformer provided with secondary windings, the improvement comprising, in combination, a pair of coaxially-positioned, substantially-parallel secondary windings, each of said secondary windings being provided with a first

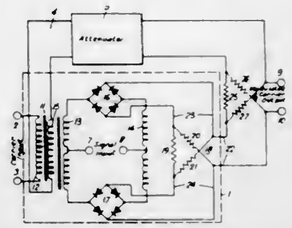
axially and outwardly-extending terminal positioned substantially parallel with the axis of the windings, said first terminals extending in insulated relationship, said first terminals each making good electrical connection with one of said secondary windings at diagonally-opposite corners of the windings, each of said secondary windings being provided with a second terminal, one positioned at each other diagonal corner of the windings, said second terminals being in good electrical connection therewith, said first and second terminals being insulated from one another, each of said first terminals extending outwardly beyond said second terminals and being provided with a shoulder, said shoulders extending outwardly substantially the same distance as said second terminals and lying in substantially single flat plane with the said second terminals, two U-shaped conductors insulated from one another to form an open broken rectangular configuration, said conductors physically fitting around the outwardly-extending portion of the first terminals and adjacent said first terminal shoulders and said second terminals, said U-shaped conductors each being provided with a long leg and a short leg, said legs of each conductor physically terminating at diagonally-opposite corners of the windings, said legs physically terminating adjacent said shoulders of said first terminals in one first position adapted only for parallel relationship with said windings, said legs physically terminating adjacent said second terminals in another second position adapted only for series relationship with said windings, means for making only parallel electrical connection between said conductors and said winding terminals in said first position and means for making only series electrical connection between said winding terminals and said conductors in said second position, whereby inversion of said conductors converts said secondary winding from a parallel relationship to a series relationship and vice versa.

2,579,523
TELEGRAPH RELAY
Victor John Terry, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 12, 1948, Serial No. 7,911
In Great Britain January 24, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires January 24, 1967
4 Claims. (Cl. 200—166)



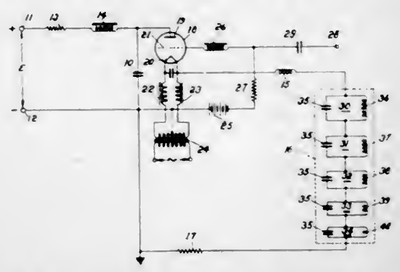
1. An electro-magnetic relay comprising a frame member, an armature having an extension portion, a resilient bush of organic material firmly attached to said portion, a rigid cross-piece provided with an aperture through which said resilient bush is passed, the inner surface of the aperture of said cross piece being firmly attached to the outer portion of said bush, said cross-piece being mounted at right angles to the plane in which said armature moves, a first pair of contacts attached to said cross-piece near the ends thereof, said contacts projecting in opposite sense along lines parallel to the line along which said armature moves, a second pair of contacts mounted on said member, said last named contacts positioned to co-operate with said first named contacts.

2,579,524
MODULATOR FOR CARRIER TELEGRAPH SYSTEMS
Victor John Terry and Thomas Frederick Stanley Hargreaves, London, England, assignors to International Standard Electric Corporation
Application September 9, 1949, Serial No. 114,804
In Great Britain September 10, 1948
5 Claims. (Cl. 332—37)



1. A signal modulating arrangement for a carrier telegraph system, comprising a balanced modulator with a symmetrical response characteristic, and adapted to produce carrier waves of opposite phase for positive and negative modulating signals respectively, and of equal maximum amplitude, a carrier wave source for the said modulator, means for deriving from the said source an auxiliary carrier wave having a constant amplitude equal to the said maximum amplitude, and means for combining the auxiliary wave with the modulated wave obtained from the output of the machine.

2,579,525
RECTANGULAR AND SAW-TOOTH IMPULSE GENERATOR
Arthur A. Varela, Washington, D. C.
Application June 19, 1942, Serial No. 447,671
30 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



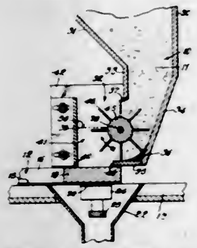
1. In an electrical impulse generator, a condenser, means charging said condenser with a source of potential, a discharge circuit including bilateral impedance means having an opposition to current flow therethrough that varies as a substantially linear function of time for a predetermined period of time following the instant current initially flows therethrough, and means discharging said condenser through said circuit, the capacity of said condenser and the value of

said impedance means having a predetermined relationship to maintain substantially constant flow of current from said condenser through said circuit for said predetermined period of time following the instant said condenser is discharged through said circuit, whereby said condenser discharges at a constant rate during such predetermined period of time.

2,579,526
PROCESS FOR THE FRACTIONATION OF COTTONSEED
Henry L. E. Vix, James J. Spadaro, Elisha F. Pollard, Edward A. Gastrock, and Ralph M. Persell, New Orleans, La., and Charles H. Murphey, Jr., Itta Bena, Miss., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 20, 1948, Serial No. 39,798
5 Claims. (Cl. 209—172)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

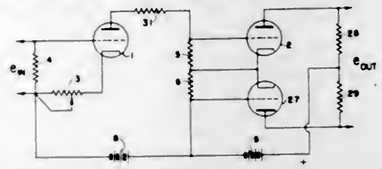
3. A process comprising disintegrating cottonseed in an organic liquid that does not rupture the pigment glands, to reduce at least 70 percent of the meal tissue to a size of about 2 to 40 microns, the meal tissue particles having a relatively large surface area, the whole pigment glands having a lower specific gravity than the fine meal particles; and mixing the disintegrated cotton-seed with an inert hydrocarbon liquid having a specific gravity below 1.25 and settling the whole glands and hulls, the fine particles of meal tissue, substantially free of pigment glands, remaining suspended in the liquid, and isolating this meal tissue as solids suspended in the liquid.

2,579,527
METHOD AND MEANS FOR LOADING DRY GRANULAR MIXTURES
Frederick Weyerhaeuser, St. Paul, Minn., assignor to Rock Island Millwork Company, Rock Island, Ill., a corporation of Illinois
Application July 23, 1948, Serial No. 40,383
13 Claims. (Cl. 25—103)



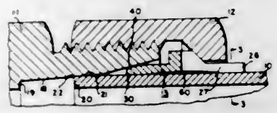
7. A loading device comprising an open-bottom hopper for containing a relatively shallow-depth column of loose granular material, feeding means arranged and operable so as continuously to introduce said material into said column below the top of the column, agitating elements arranged to plow upwardly within the column, a movable receiving member arranged for horizontal movement under and past said column at a level fixed below said column for receiving material falling masswise from said column, whereby material falling as a mass from said column forms a continuous layer on said receiving member as the latter moves, and means to move said receiving member and operate said feeding means in timed relation to maintain a minimum height for said column.

2,579,528
DIFFERENTIAL ELECTRONIC AMPLIFIER
John E. Williams, United States Navy, Atlantic City, N. J.
Application March 11, 1946, Serial No. 653,694
14 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. An electronic amplifier comprising a plurality of tubes each having at least a cathode, grid and plate, a first tube thereof having an input impedance connected between the cathode and grid thereof, a first voltage supply operatively connected from the cathode of said first tube to the plate thereof through at least three impedance elements, one said element being connected to the plate of first said tube and a second and third of said elements of equal value connected in series between said first element and said voltage supply, second and third tubes thereof having a common cathode connection to the junction of said second and third said elements and the grid of said second tube connected to the junction of said first and second elements with the grid of said third tube connected to said third element at the voltage supply end thereof, whereby voltage across the input impedance of the first tube is applied after amplification therein inversely to said second tube across said second element and directly to said third tube across said third element, a pair of equal ouput impedances series connected between the plates of said second and third tubes, and a second voltage supply operatively connected at said voltage supply end of the said third element and to the common junction of said pair of output impedances, whereby the cathode currents of said second and third tubes pass through said third element in opposite sense to the current supply for said first tube from said first voltage supply to convert single-sided input excitation to push-pull output across said pair of impedances.

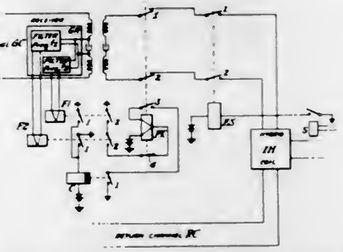
2,579,529
FLARELESS TUBE CONNECTION
George V. Woodling, Cleveland, Ohio
Application March 1, 1949, Serial No. 78,990
2 Claims. (Cl. 285—122)



1. A coupling for an insertable member having a substantially cylindrical outer surface, said coupling comprising a body member having a passageway provided with a tapered annular internal surface engageable by the end of the insertable member and an annular internal camming surface at the entrance of the passageway, said tapered surface defining an angle ranging from approximately 2 to 5 degrees with the longitudinal axis of the coupling to wedgingly receive the end of the insertable member and thereby

permit relative longitudinal wedging movement between the insertable member and the body member, a sleeve for fitting over said insertable member and having a contractible annular part adapted to fit within the camming surface and be contracted about the insertable member and having means to anchor said sleeve to said insertable member to resist longitudinal movement therebetween, means engaging the body member to force the contractible annular part of said sleeve within said camming surface, said contractible annular part upon being forced into said camming surface contracting about the insertable member to effect a primary seal between the insertable member and the body member, said annular part upon contractibly engaging the insertable member forcing said insertable member wedgingly further into said tapered surface for making a secondary seal between the insertable member and said body member.

2,579,530
FOUR-WIRE TO TWO-WIRE CONNECTING CIRCUIT
Esmond Philip Goodwin Wright, Marc van Hasselt, and Donald Adams Weir, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 28, 1948, Serial No. 23,844
In Great Britain April 29, 1947
4 Claims. (Cl. 179—16)

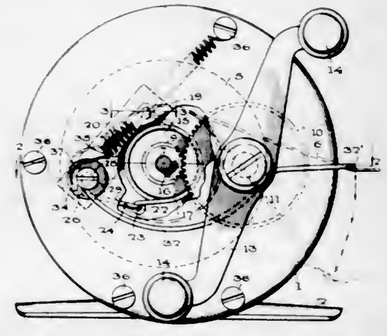


1. In a telecommunication exchange system, a four wire to a two wire connecting circuit comprising an incoming channel of the four wire circuit, a hybrid coil connected to said incoming channel and said two wire line, a first means in said incoming channel normally operative to prevent effective signal transmission towards said hybrid coil during the setting up of a connection between a calling subscriber and a called subscriber, a second means in said incoming channel for rendering said first means ineffective after a connection to the called subscriber is established, a third means in said incoming channel responsive to a first portion of an incoming signal, and a fourth means operatively responsive to said third means for preventing effective transmission of said incoming signal to said hybrid coil.

2,579,531
PROCESS FOR EXTRACTING GOLD AND SILVER
John Benjamin Zadra, Reno, Nev., assignor to the United States of America as represented by the Secretary of the Interior
No Drawing. Application November 16, 1949, Serial No. 127,761
2 Claims. (Cl. 204—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A cyclic process for regenerating activated carbon loaded with adsorbed gold while recovering the same, which comprises first treating such carbon with a caustic solution of sodium sulfide to extract the gold therefrom, separating the thus-regenerated active carbon, stripping the gold from the pregnant caustic sodium sulfide solution by electrolysis between an insoluble anode and a pre-coated charred excelsior cathode, recovering the deposited gold, then adding sodium sulfite to react with the formed polysulfide to regenerate the caustic sodium sulfide solution for reuse in the process, said cathode having been pre-coated by electrodepositing gold therein from a cyanide solution.

2,579,532
AUTOMATIC BRAKE FOR FISHING REELS
Robert L. Allen, Atlanta, Ga.
Application April 23, 1946, Serial No. 664,333
6 Claims. (Cl. 242—84.5)

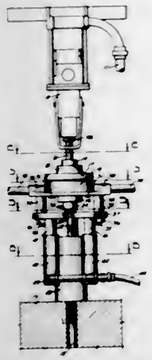


1. In a fishing reel, a frame, a shaft rotatably mounted in the frame, a line spool mounted on the shaft and fixed thereto, a brake drum also mounted on the shaft and fixed thereto, a flexible brake band embracing the drum and having one end anchored to the frame, a second shaft rotatably mounted in the frame and carrying an eccentric pin at one end thereof which is operatively connected to the opposite end of the brake band aforesaid, a brake actuating arm fixed to the second shaft and pivotally movable in opposite directions about the axis of rotation of said latter shaft, said arm being extended transversely across the front of the reel frame in spaced relation thereto and parallel to the axis of the line spool, with the arm adapted to normally rest upon the upper side of the line when leading forwardly from the spool, a second eccentric pin carried by the second shaft, and a tension spring having one end connected to the second eccentric pin and its opposite end anchored to the reel frame.

2,579,533
DEVICE FOR RELEASING STUCK ROCK DRILL STEELS
John Alger, Lakewood, Colo.
Application June 13, 1949, Serial No. 98,776
6 Claims. (Cl. 255—36)

1. A device for transmitting torque and impact to a stuck rock drill steel of the type having a withdrawing flange adjacent its upper extremity, comprising: a ring gear housing; a tubular steel-receiving sleeve projecting downwardly from said housing and non-rotatably receiving the upper extremity of the drill steel; a tubular drill stub sleeve extending upwardly from said housing; a drill stub non-rotatably

mounted in and projecting upwardly from said drill stub sleeve, said drill stub being in alignment with and impacting against the drill steel in the first sleeve; a sun gear affixed on said drill stub sleeve within said housing; a planet gear disc fixed on said steel-receiving sleeve within said housing; planet gears carried by said planet gear



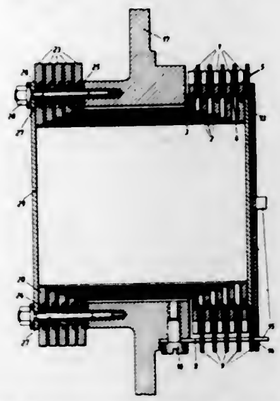
disc in mesh with said sun gear and said ring gear housing so as to impart rotation from said stub sleeve to said drill-receiving sleeve at reduced speed; means for preventing rotation of said housing; and a rock drilling device mounted on said drill stub for impacting and rotating the latter.

2,579,534
FLAP MECHANISM
Benjamin T. Anderson, Stratford, and William A. Welch, New Haven, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 12, 1948, Serial No. 26,578
13 Claims. (Cl. 244—42)



1. In an airplane, a main wing having a slotted trailing portion, a pair of spaced parallel tracks secured to said wing in a fore and aft position, a screw drive mechanism pivotally mounted on said wing and disposed between said tracks, each track of said pair comprising a lower horizontal supporting channel and an upper sloping guide channel, a truck having rollers engaging said lower supporting channel, a stop carried by said supporting channels to limit aft movement of said truck, a drive nut actuated by said screw drive mechanism, a horn having a pair of ends pivotally connected at a point intermediate said ends to said truck and pivotally connected adjacent one end of said pair of ends to said drive nut, an auxiliary airfoil secured to the other end of said pair of ends, said auxiliary airfoil being extensible horizontally by said drive mechanism, and a guide member mounted on said horn and spaced from said point intermediate said ends and remote from said other end of said pair of ends and engaging said guide channel during said horizontal extension of said auxiliary airfoil, said airfoil pivoting about said point intermediate said ends of said horn when said stop prevents further aft movement of said truck.

2,579,535
TYPE WHEEL ADJUSTING MECHANISM
Kurt Aurbach, Bielefeld, Germany, assignor to Anker-Werke, A. G., Bielefeld, Germany, a corporation of Germany
Application August 16, 1949, Serial No. 110,552
In Germany October 1, 1948
10 Claims. (Cl. 101—110)



1. A type adjusting mechanism for a printing device, comprising a plurality of rotary and coaxial type carrier members, a plurality of coaxial drive gear members axially spaced from said type carrier members, a plurality of concentric transmission tubes connecting said type carrier members with said respective gear members, and bearing means spaced from said tubes and in journaling engagement with said respective members.

2,579,536
PICKUP TONGS
Frank C. Barr, Morgantown, W. Va.
Application June 29, 1950, Serial No. 171,210
3 Claims. (Cl. 294—106)



1. A pair of tongs comprising a tubular wand, a pair of jaw members each having complementary gear segments and an article gripping portion, pin means mounted on said wand adjacent one end thereof to pivotally support the jaw members with their gear segments in mesh with each other and their grasping portions co-operating when contracted, an arm on one jaw member extending beyond the other side of the pin means from its gripping portion, an operating trigger member pivotally mounted adjacent the other end of the wand, a rod connecting the operating trigger member and said arm, and spring means co-operating with said operating trigger member to maintain said jaw members in their open position.

2,579,537
LICENSE PLATE REINFORCEMENT SIGN
Kenneth Berlekamp, Fremont, Ohio
Application May 16, 1949, Serial No. 93,500
1 Claim. (Cl. 40—125)



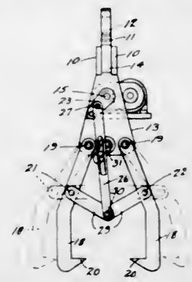
An attachment for a license plate having a lengthwise edge and a bolt opening in proximity to each end of said edge and bolts for the openings, said attachment comprising an integral sheet structure including a display-providing body portion bounded on one side by an offset, a U-shaped portion providing a pair of legs, one leg being near each end of the offset, said legs extending away from the display-providing body portion in a plane parallel to the plane of the display-providing body portion at a spacing determined by said offset, and in each leg a slot, said slots being in alignment, spaced from and parallel to the offset in the range of the plate bolt openings from the edge of the plate, whereby said bolts in passing thru the slots and openings position the plate lengthwise edge in register with the offset in reinforcing shield coaction between the plate and sheet structure.

2,579,538
ELECTRICAL OUTLET WITH INSULATING CLOSURES
Burton B. Bierce, Pewaukee, Wis., assignor of one-half to Elwin A. Andrus, Milwaukee, Wis.
Application February 19, 1948, Serial No. 9,551
4 Claims. (Cl. 173—330)



1. An electrical outlet comprising a hollow base having a face and openings therein to receive the three prongs of a connecting plug, said openings being disposed in a line with the central opening directly between the outer two openings, a pair of metal spring biased contact strips disposed in said base with one end of each strip free to move into alignment with a corresponding outer opening in the face of the receptacle, means to secure the opposite end of each strip rigidly to an electric terminal in said base, an insulating member secured to each strip to cover the free end thereof and disposed between the strip and the corresponding opening to close the opening when the strip is in inoperative position, and a cam carried by each of said strips and disposed normally within said central opening to be engaged by the central prong of a plug as it enters the opening and thereby move said strips outwardly of said base against the biasing of the strips and into a position of contact with two other prongs of the plug.

2,579,539
AUTOMATIC PICKUP DEVICE
Pete Blaire, Greenville, Pa.
Application February 3, 1947, Serial No. 726,144
3 Claims. (Cl. 294—67)

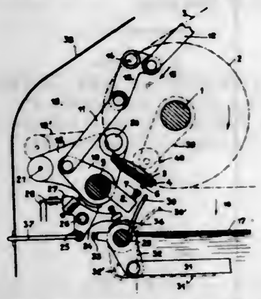


1. An automatic pickup device comprising a longitudinal frame member having a plurality of depending sub-frame members attached thereto and each of the said sub-frame members having a pair of oppositely disposed arms freely pivoted thereto, a longitudinally extending shaft positioned for engagement with each of the said oppositely disposed arms on one side of the said longitudinally extending frame said shaft engaging said arms inwardly from their outermost ends, and a secondary longitudinal shaft placed for engagement with each of the arms on the other side of the said frame, said shaft engaging said arms inwardly from their outermost ends a third longitudinal shaft located midway between the first and second mentioned shafts, levers connecting the said shafts to one another and means for imparting vertical movement to the said centrally located shaft for moving the said oppositely disposed arms with respect to one another.

2,579,540
GRIPPER RELEASE MECHANISM FOR SHEET HANDLING MACHINES
Henri Bobst, Lausanne, Switzerland
Application April 11, 1946, Serial No. 661,302
In Switzerland April 12, 1945
9 Claims. (Cl. 271—79)

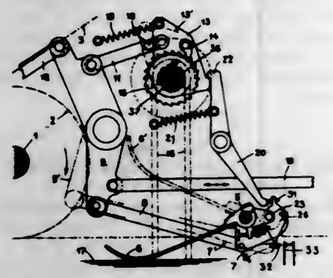
2. In a machine for working sheets of paper; the combination of sheet conveying bars movable through said machine and past a sheet releasing station, gripping means on each of said bars for normally holding a sheet to the latter, and means at said station operative to release said gripping means and comprising an oscillatable axle carrying radially extending bumpers for releasing engagement with said gripping means, at least one radial arm extending from said axle, actu-

ating means connected to said arm and applying an intermittent force to the latter for oscillating said axle to effect engagement and disengagement between said bumpers and said gripping means on successive bars at said station, swingable supports for the opposite ends of said axle pivotally mounted for swinging motion about an axis displaced radially from the axis of turning of said axle so that the latter may move bodily between an operative position in which said releasing bumpers are engageable with said gripping means and an inoperative position in which said releasing bumpers are remote from said gripping means in all oscillated dispositions of



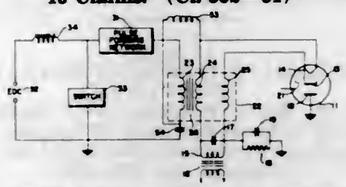
said axle, the swinging axis of said supports being arranged so that said intermittent force and the normal reaction force of said gripping means against said bumpers provide substantially equal and oppositely directed turning moments about said swinging axis, and yieldable means acting on said supports for maintaining said axle in said operative position so that the occurrence of an excessive reaction force between said gripping means and said bumpers imposes a turning moment on said supports to overcome the holding force of said yieldable means and to swing said supports for disposing said axle in said inoperative position of the latter.

2,579,541
CONTROL MECHANISM FOR THE DELIVERY STACK OF SHEET WORKING MACHINES
Henri Bobst, Lausanne, Switzerland
Application April 19, 1946, Serial No. 663,396
In Switzerland April 23, 1945
5 Claims. (Cl. 271—88)



1. In a sheet working machine wherein the sheets are delivered from the machine to a stack, and having a mechanism for lowering the stack including a rotatable actuating shaft; a control mechanism comprising a ratchet fixed on said actuating shaft, a plate rockably mounted on said actuating shaft, pawl means on said plate engaging said ratchet for rotating the latter in step-by-step manner in response to rocking of said plate, an oscillating lever fulcrumed intermediate its ends, a first connecting link pivotally connected to one end of said lever for reciprocation by the latter and formed with a longitudinal elongated slot, a pin fixed on said plate engaging in said slot, means locking said plate in a position where the pin thereon is intermediate the ends of said slot at all reciprocated positions of said first connecting link whereby the oscillation of said lever is not communicated to said plate for rocking the latter, a rockable feeler shaft, a swinging feeler fixed on said feeler shaft, a support disposed on said shaft and turnable relative to the latter, a second connecting link pivotally connecting said support to the other end of said oscillating lever, resilient means operatively connecting said support to said feeler shaft so that the angular amplitude of the oscillation of said support is normally equal to the angular amplitude of the oscillation of said feeler, said feeler being normally angularly related to said support so that contact of said feeler with the top of the stack when the latter has reached a predetermined height restricts the angular amplitude of the oscillation of said feeler to provide a differential between the angular amplitudes of the oscillation of said feeler shaft and said support, releasing means for said locking means operatively connected to said feeler shaft and said support and operative in response to a predetermined differential between the angular amplitudes of oscillation of said support and said feeler shaft to release said locking means, and spring means connected to said plate constantly urging the latter to rock in one direction for disposing said pin against one end of said slot whereby release of said locking means renders said spring means effective to move said pin against said one end of said slot for transmitting the oscillation of said lever to said plate.

2,579,542
PULSE TRANSFORMER CIRCUIT
Winston H. Bostick, West Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 18, 1945, Serial No. 617,148
13 Claims. (Cl. 332—51)



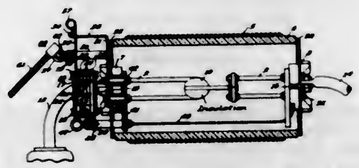
1. In combination with a modulating transformer having primary and secondary windings, circuit means for generating a modulating signal, means for applying a charging current to said signal generating circuit means, and means for conducting said charging current through said transformer primary and secondary windings in series.

2,579,543
LIGHT FILTER
Wallace R. Brode and Robert J. Morris, Columbus, Ohio, assignors to Ohio State University Research Foundation, Columbus, Ohio
No Drawing. Application October 1, 1945, Serial No. 619,688
9 Claims. (Cl. 88—109)

1. A filter for selectively transmitting radiations having predetermined wave-lengths com-

prising; a transparent support having bonded thereto a resin base, carrying from 1% to 4% by weight of a spirit soluble diorthotolylguanidine salt derivative of an organic dye selected from the group consisting of dyes having Colour Indexes No. 5, No. 161, No. 278, No. 533 and No. 640 and of Pontamine Fast Black L dye thoroughly dispersed therethrough, said resin base consisting of from 30 to 70 parts melamineformaldehyde resin and from 70 to 30 parts of a resin consisting of the reaction product of phthalic anhydride and glycerol.

2,579,544
LINE TRAP WITH DEMOUNTABLE TUNER
Myron J. Brown, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1947, Serial No. 791,041
2 Claims. (Cl. 178—44)



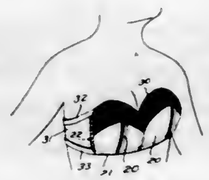
1. A line-trap comprising a main-coil structure and a demountable tuning-unit, said main-coil structure comprising a coil, terminal coil-brackets which are electrically connected to the respective coil-ends, a demountable supporting-means at one end of said main-coil structure, said demountable supporting-means comprising two conducting seating-structures, one electrically connected to the adjacent coil-bracket, and the other electrically connected to the far-end coil-bracket, and said demountable tuning-unit comprising a structure including a plurality of capacitors of assorted sizes, a capacitor terminal-board means whereby a plurality of different capacitors and capacitor-combinations may be connected, and two mounting-bracket elements for opposite terminals of said tuning-unit, said mounting-bracket elements having distance-manipulable mounting-means for engaging the respective seating-structures.

2,579,545
STRAPLESS BRASSIÈRE
Esther Cadous, New York, N. Y.
Application June 15, 1949, Serial No. 99,139
5 Claims. (Cl. 2—42)



1. A brassière comprising a pair of breast pockets of thin fabric having bottom and top edges, a strengthening member having outer ends and extending across the bottom edges of said breast pockets joined thereto, stiffening members extending upwardly from said strengthening member to support upper edges of the fabric breast pockets, and back straps secured to the outer ends of said strengthening member to extend around the back of the wearer, said strengthening member being adapted to receive the entire pull of said back straps, said back straps comprising a layer of pervious elastic material to exert a pull for securing the brassière, and a layer of sponge rubber adhesively secured to said first layer on the inside of the back straps to cushion the pull of the first layer and to contact and grip the body of the wearer to prevent slippage of the back straps.

2,579,546
STRAPLESS GARMENT
Esther Cadous, New York, N. Y.
Application December 23, 1949, Serial No. 134,779
5 Claims. (Cl. 2—42)

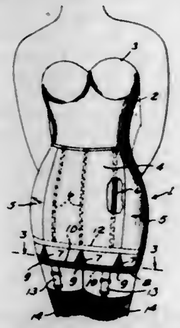


1. A brassière comprising a pair of breast pockets of thin fabric and a pair of back straps to be joined around the wearer, a narrow front strip extending beneath said breast pockets and joined thereto, said front strip being attached at its ends to said back straps to receive the entire pull thereof, a stiff metal member extending around the outside edge of each of said breast pockets, said metal members having their lower end portions extending substantially vertically along the outer edges of the respective breast pockets with their bottom ends overlying and secured to said front strip and terminating at the top at about the center line of the breast pockets and attached to said breast pockets to support the same, a cushioning material disposed over said bottom ends of said metal members on the inside of the brassière to protect the skin of the wearer from said metal members, and a pair of tapes connected at one end to said back straps with their forward ends attached to said metal member at about the top of said substantially vertical portion to position said member and prevent tilting thereof due to the pull of the breasts about the point of attachment of the lower ends of said metal members to said front strip.

2,579,547
GARMENT
Esther Cadous, New York, N. Y.
Application April 8, 1950, Serial No. 154,867
2 Claims. (Cl. 2—37)

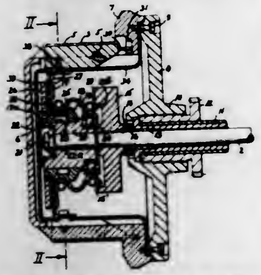
1. An undergarment for women comprising front and back fabric panels and side panels adapted to encircle the waist and hips of the wearer, at least one of said panels including a horizontally stretchable pervious elastic member connected at its ends to adjacent panels to exert a pull to make the garment grip the body, and a layer of sponge rubber adhesively secured to the inside of one of said side panels at the bottom

of the garment in position to contact the skin of the wearer for cushioning the pull of said



elastic member and to grip the body to prevent slippage of the garment.

2,579,548
THREAD-ADVANCING REEL
Carl A. Castellan, Media, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 7, 1947, Serial No. 778,385
In Great Britain December 19, 1946
10 Claims. (Cl. 28—71.7)



1. A thread-handling device adapted to convey thread carried in convolutions thereabout comprising a plurality of interdigitating sets of longitudinally extending bars forming the periphery of the reel, means for rotating the reel about its axis, the bars of at least one set being relatively movable by centrifugal force developed during rotation of the reel between recessed and protruding positions relative to other bars adjacent thereto to effect transfer of the thread in sequential order to the bars of the several sets, and a cam for controlling the relative movement to effect advance of the thread axially of the reel, said cam having, as its sole effective cam surface, an inwardly facing cam surface for limiting the outward movement of the movable bars caused by centrifugal force.

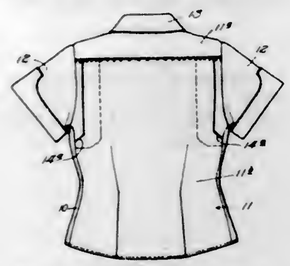
2,579,549
GRASSHOPPER DISPENSER
Willard E. Cave, Brownsboro, Oreg.
Application November 25, 1949, Serial No. 129,450
2 Claims. (Cl. 43—55)

1. A grasshopper dispenser comprising a receptacle having a closed bottom and adapted to be secured to the clothing of an individual for holding a supply of grasshoppers, there being a longitudinally extending slot in the bottom of said receptacle and spaced from the sides and ends thereof, a first open-ended cylinder arranged exteriorly and longitudinally of the receptacle bottom and fixedly secured thereto, said first cylinder being provided intermediate its ends with a pair of opposed longitudinally extending openings in registry with each other and with the slot in said receptacle bottom, one of said openings being in communication with the interior of said receptacle and the other of said openings being in communication with the atmosphere, a second open-ended cylinder arranged longitudinally of and within said first cylinder and mounted in the latter for rotative movement, there being



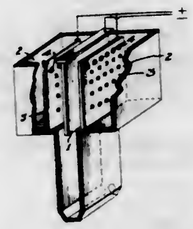
a longitudinally extending slot in said second cylinder intermediate the ends of the latter and movable upon rotative movement of said second cylinder from a position in registry with said one opening in said first cylinder for receiving a grasshopper contained in said receptacle to a position in registry with said other opening in said first cylinder for dispensing said grasshopper, a screen extending across and fixedly secured to one end of said second cylinder and adapted to permit the entrance of light therein, and hand actuable means arranged in closing relation with respect to the other end of said second cylinder and secured thereto for effecting the rotative movement of said second cylinder.

2,579,550
SHIRT
Arthur M. Cooper and Joseph Bening, Chicago, Ill., assignors to Town Fashions Inc., a corporation of Illinois
Application October 8, 1948, Serial No. 53,516
2 Claims. (Cl. 2—115)



1. In a shirt or the like having an arm hole at either side thereof and including a side portion and a back portion, a pleat in said back portion adjacent at least one arm hole for permitting substantially free movement of the arm of the wearer, said pleat comprising: one piece of material integral with said back portion and turned inwardly normally to lie along the inner surface of the back portion; and a second piece of material attached to the first piece at the top, bottom and inner edges thereof and extending beyond and outside said pleat to the arm hole, with a portion of the edge of the arm hole being formed therein and the bottom of said second piece outside said pleat being attached to the adjacent section of said back portion and to the adjacent section of said side portion, said top edge being straight and attached to said back portion, said bottom edge of the pleat being sloped upwardly and outwardly and free of the back portion except at the outer end of the bottom edge, and said inner edge being substantially straight and free of the back portion except at the top of the inner edge.

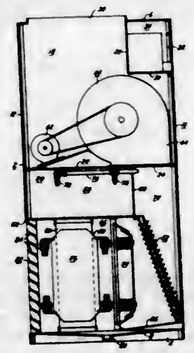
2,579,551
ELECTROLYTIC PROCESS AND APPARATUS FOR MAKING COPPER DUST
Neri Corsini, Firenze, Italy
Application July 28, 1947, Serial No. 764,213
In Italy June 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 8, 1965
3 Claims. (Cl. 204—108)



1. The process of preparing a copper dust suitable for conversion to copper sulphate which comprises electrolyzing an electrolyte consisting of free sulfuric acid and cupric ions with a metallic copper anode, the copper being deposited as a fine dust on a cathode, interposing a perforated lead plate anode between the copper anode and the cathode to maintain the concentration of cupric ions in the electrolyte substantially constant throughout the electrolysis, whereby the rate of anodic dissolution of the copper is regulated to be substantially equal to the rate of cathodic deposition of the copper dust, and collecting the precipitated copper dust.

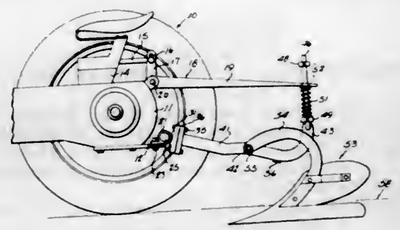
2,579,552
ELECTROSTATIC DUST PRECIPITATOR
Ira R. Cummings, deceased, late of Cranford, N. J. by Margaret F. Cummings, executrix, Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 15, 1947, Serial No. 722,131
7 Claims. (Cl. 183—7)

1. A self-contained electrostatic dust-precipitator unit comprising an enclosing casing having an outer top wall, and two pairs of outer opposed upstanding side walls, said casing having an inlet opening in the top wall and an outlet opening in the bottom part of one of said side walls, an electrostatic dust-precipitation means comprising an upstream dust-charging means and a downstream dust-precipitating means, the last comprising a plurality of upstanding spaced precipitating-electrodes providing a plurality of gas-passages therebetween from which gas flows toward said outlet opening, said dust-charging means and said dust-precipitating means being generally horizontally displaced, an inner wall inside the casing spaced from the other of said side walls for providing a downwardly directed



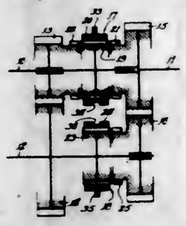
gas-passage thereat for receiving gas from said inlet opening, and an air-deflecting vane-structure at the bottom of said gas-passage for turning gas from said gas-passage horizontally towards said dust-charging means.

2,579,553
HINGED JOINT AND SWIVEL BEAM FOR TRACTOR-MOUNTED IMPLEMENTS
William C. Daniel, Wilhelmina, Mo.
Application September 9, 1949, Serial No. 114,863
3 Claims. (Cl. 97—47)



1. The combination with a tractor having a transverse drawbar, and a power lift having a forwardly and rearwardly-movable rod, of a transverse shaft mounted on said drawbar to turn on a transverse axis, a fixed shaft extending rearwardly from said transverse shaft, an implement having a beam extending forwardly along said fixed shaft, said beam having its forward end pivoted to an intermediate part of said fixed shaft, a stop on said fixed shaft engageable by said beam to limit downward tilting of the implement when said fixed shaft is elevated, a bell crank pivoted on said tractor having a short arm connected to said power rod and a rearwardly-extending long arm, and a spring-tensioned connection between the rear end of said long arm and the rear end of said fixed shaft whereby upon movement of said power rod in one direction said long arm will be elevated and effect elevation of said fixed shaft and said implement and movement of said power rod in the opposite direction will depress said long arm and permit said fixed shaft and said implement to subside to depressed position.

2,579,554
TRANSMISSION
Charles E. Davis, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 1, 1944, Serial No. 533,524
8 Claims. (Cl. 74—359)



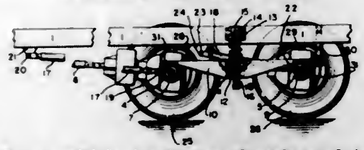
1. In a transfer assembly for a motor vehicle, the combination of a drive shaft adapted to be driven by the motor of the vehicle, a driven shaft adapted to drive the front wheels of the vehicle, a driven shaft adapted to drive the rear wheels of the vehicle, a pair of clutches and a set of gearing, one of said clutches having an operative position for directly connecting said drive shaft and one of said driven shafts and having another operative position for completing a power train through the gearing to drive one of the driven shafts at reduced speed, said other clutch having an operative position for completing a power train through the gearing to connect the two driven shafts to rotate together, and means interconnecting said two clutches whereby when said first named clutch is shifted to complete said reduced speed power train through the gearing, said second named clutch is moved to its operative position to connect the two driven shafts to rotate together.

2,579,555
MECHANISM FOR STRETCHING ARTIFICIAL FILAMENTS
Nicolas Drisch and René Fays, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands, a corporation of Great Britain
Application August 28, 1950, Serial No. 181,762
In France July 29, 1949
5 Claims. (Cl. 28—59.5)



1. In a mechanism for stretching a bundle of acid-wet artificial regenerated cellulose filaments received from a spinneret, a grid comprising a pair of sets of spaced parallel interleaved rods, a fixed member carrying one of said sets of rods and a pivoted member carrying the other of said sets of rods with the rods of the two sets displaced to provide a zig-zag path of increasing sinuosity for the filaments passing thereover, said last member being pivoted for movement about an axis parallel to said rods whereby the overlap of said path may be varied, and means urging said pivoted set of rods into position of increased overlap with respect to the fixed set of rods, and cooperating with said grid, a pair of rollers of different diameters, the smaller of said rollers guiding the filament bundle from the spinneret to the said grid and the larger of said rollers receiving the filament bundle from said grid, whereby the bundle is first stretched by friction on the said grid and is further stretched between said grid and the second of the rollers.

2,579,556
VEHICLE BOGIE SUSPENSION
Peter G. Drong, Hibbing, Minn.
Application February 13, 1950, Serial No. 143,894
5 Claims. (Cl. 280—104.5)



1. In a vehicle having a chassis and tandem rear axles and housings therefor: means for suspending said chassis on said axle housings to provide automatic steering for the rear portion of said vehicle comprising, a pair of beams resting across said housings in spaced parallel relation, said beams having their central portion extending below the axis of said axles, a pocket in said chassis above each of said beams, a pocket in the central portion of each of said beams in alinement with said chassis pockets and extending to the lowermost extremity of said beams, a coil spring mounted intermediate alined ones of said pockets, said spring having an intermediate portion thereof free to flex in lateral directions, and torque arms extending from each of said housings to said chassis to control said axles.

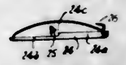
2,579,557
COUNTER ELECTRODE OF SELENIUM RECTIFIERS
Theodore E. Ebert, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1947, Serial No. 791,972
3 Claims. (Cl. 175—366)



1. In a dry-type rectifier, the combination comprising, a forward electrode of selenium and a counter electrode of an alloy composed of 45% to 70% tin and 55% to 30% zinc.

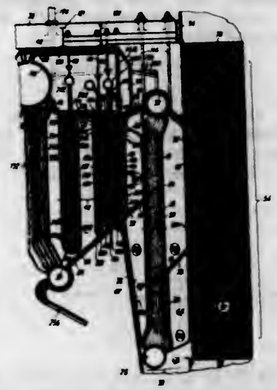
2,579,558
CLIP FOR FASTENING A PUGREE TO A HAT
Ben Fine, New York, N. Y.
Application November 1, 1949, Serial No. 124,930
1 Claim. (Cl. 24—85)

A pugree clip having an outer and an inner wall which are integral with each other along a common folding line, said inner and outer walls being adapted to receive between them one of the ends of a gathered pugree, and when squeezed together, to clamp said end of the pugree in place in said clip, one of the walls of said clip being provided on its outer side with an integral hook adjacent one end of the common fold line, whereby said end of the pugree may be anchored to a hat, one of said walls being provided with a spur which projects inwardly toward the other



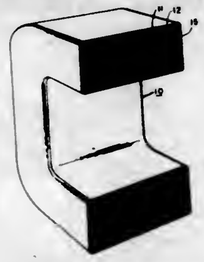
wall, said spur being adapted to penetrate that end of the pugree which is received between the two walls of the clip when said walls are squeezed together whereby said end of the pugree is clinched in place in said clip; one of said walls being provided with a narrow flange along part of its free edge and projecting in the direction of the other wall, said flange being adapted to bite into the pugree when said two walls are squeezed together upon said pugree to assist in clamping said clip upon said pugree.

2,579,559
STEAM GENERATOR
Leroy M. Fink, Union, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application December 19, 1946, Serial No. 717,109
4 Claims. (Cl. 122—235)



3. In a vapor generating unit of the type having means constituting a source of heating gases, a superheater and an air heater; the combination therewith of a fluid heating component of said unit interposed relative to the air heater and superheater and having upper and lower drums and a bank of upright tubes directly connecting said drums and disposed in the path of said gases, first wall means extending upwardly from said lower drum adjacent the forward side of said bank and terminating in downwardly spaced relation to said upper drum to form the lower limit of a gas inlet into said bank from the superheater, and second wall means extending downwardly from said upper drum along the front surface of the air heater and adjacent the rearward side of said bank and having a part terminating in upwardly spaced relation to said lower drum to separate lower cross tube gas passes leading to a gas outlet from said bank to the air heater, each of said wall means having a portion substantially spaced from the majority of tubes of said bank to form a wall of upper and lower substantially unobstructed gas turning spaces opposite said inlet and said outlet respectively, said second wall means having a part terminating within said bank in a lower end portion inclined downwardly toward said lower gas turning space, said bank of tubes including a forward row of tubes having intermediate portions inclined forwardly from the majority of tubes of said bank and disposed along an intermediate inclined portion of said first wall means in cooling and supporting relationship thereto, said bank of tubes also including a rearward row of tubes having intermediate portions inclined upwardly and rearwardly from the majority of tubes of said bank and disposed along said inclined portion of said second wall means in cooling and supporting relationship thereto, said tubes in said rows having end connections to said drums at the same side of said bank from which said tubes are respectively inclined.

2,579,560
BONDED MAGNETIC CORE STRUCTURE
James G. Ford, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1948, Serial No. 45,096
10 Claims. (Cl. 175—21)

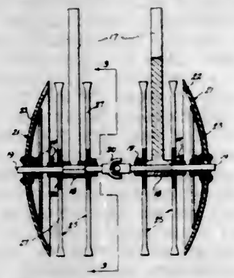


3. In a wound laminated magnetic core structure, in combination, a plurality of strips of electrical sheet steel, the strips of electrical sheet steel being wound in superimposed relationship to one another to provide a core structure, some of the wound strips in the core structure being staggered laterally a predetermined distance relative to the other core strips providing overhanging laminations forming spiral grooves in both sides of the core structure and bonding material applied to the sides of the core structure filling the spiral grooves and bonding the laminations extending beyond other laminations to one another and to the other laminations to strengthen the bonding of the laminations in the core structure.

2,579,561
CRUST BREAKING CULTIVATOR
Floyd R. Friend, Lubbock, Tex.
Application August 31, 1948, Serial No. 46,953
3 Claims. (Cl. 97—218)

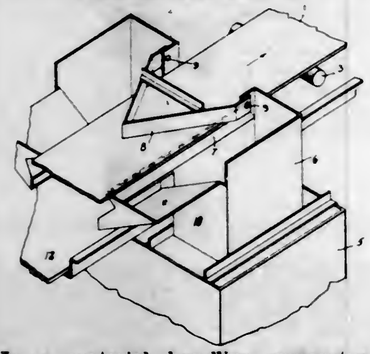
1. In a crop-working machine adapted to traverse a crop row, a pair of substantially identical shaft sections, a universal joint connecting said sections together in end-to-end relation to provide a jointed shaft, at least one wheel fixed to each shaft section, each wheel comprising a plurality of substantially radially-directed spikes, a disc fixed to each shaft section outwardly of each wheel, a separate bearing pro-

viding means rotatably supporting each shaft section, separate adjustable means supporting each bearing providing means on said machine, each adjustable means being privotable about a



substantially vertical axis, whereby said wheels and discs may be toed in and out, said wheels being spaced to straddle a crop row as the same is traversed by said machine.

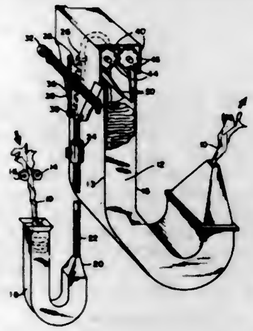
2,579,562
MATERIAL HANDLING APPARATUS
Wilbert J. Fruechtel, Cleveland, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application January 22, 1949, Serial No. 72,219
4 Claims. (Cl. 198—43)



3. In a material handling apparatus, the combination with a horizontally arranged endless conveyor belt having its upper and lower runs in substantially vertically spaced relation, a hopper adjacent one side of such belt formed with a flange parallel to the upper edge of said belt and extending underneath the upper run of said belt; a plow set to intercept material and to move a portion of such material laterally into said hopper; an overflow weir on the side of said hopper closest to said approaching material located below the top edges of said hopper so that the material will flow over the top edge of said weir rather than overflow said hopper edges; and an open chute leading from said weir to the lower run of said conveyor belt.

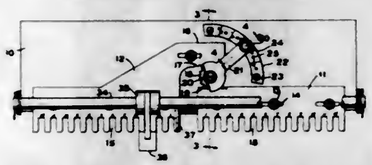
2,579,563
FABRIC CONVEYING APPARATUS
Clyde T. Gallinger, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 18, 1947, Serial No. 780,736
1 Claim. (Cl. 68—5)

In an apparatus for the forwarding and plaiting of fabric downwardly into an open end of a vertical leg of a J-shaped storage receptacle, a pair of intermeshing slatted fabric forwarding reels positioned adjacent the open end of said leg with the intersecting sections of said reels above the approximate center of said open end, means for rotating said reels in a direction to forward a fabric passing between said reels downwardly into the approximate center of the said open end, means for traversing said fabric back



and forth axially between said reels, a wing-like plaiting member oscillatably mounted approximately beneath the axis of each of said reels to intercept the downwardly passing fabric and plait the same between the walls of said leg, said plaiting members connected to each other to oscillate in unison, and means for oscillating said members, the rate of oscillation of said members being synchronized with the rate of rotation of said reels.

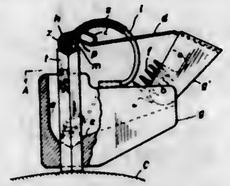
2,579,564
DOWEL HOLE LOCATOR
Walter M. Garrard, Atlanta, Ga.
Application December 6, 1950, Serial No. 199,421
11 Claims. (Cl. 33—191)



1. Apparatus of the class described comprising, a base member, a plate adjustably mounted on said base member, said plate having an extending edge overhanging an edge of said base member, said extending edge being provided with a plurality of spaced slots, means for adjusting the position of said plate on said base member, an arm movably mounted upon said base member for selective reception within said spaced slots, and a stop head carried by said arm, said stop head having a face in alignment with the inner end of said plate when said arm is received in the first of said slots in said plate.

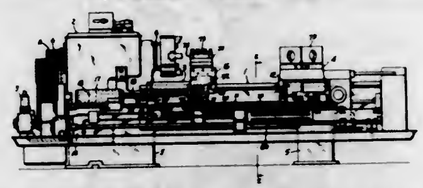
2,579,565
COMMUTATOR MOTOR BRUSH HOLDER
Guido Giambonini, Bellinzona, Switzerland
Application August 28, 1950, Serial No. 181,873
In Switzerland September 1, 1949
4 Claims. (Cl. 171—324)

1. A pressure and current transmitting device for brushes of an electric commutator motor and the like having brush holders and brushes slidable therein and wherein said brushes are provided with a slot in the brush head comprising a hollow contact sleeve loosely seated in said slot in said brush head, said sleeve extending over a substantial portion of said brush head, an insulating, elastic, vibration damping insert in



the interior of said hollow sleeve, a pressure member pivotally mounted on said brush holder, a slide surface on said pressure member, said slide surface contacting and coacting with said insert whereby said contact sleeve is freely self-adjustable in accordance with the degree of wear of the brush.

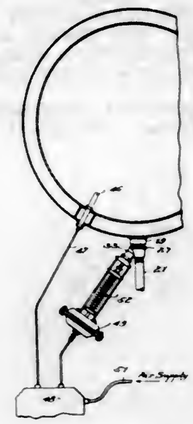
2,579,566
TOOL FEED FOR LATHES
Louis E. Godfriaux, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application August 4, 1945, Serial No. 608,985
8 Claims. (Cl. 82—21)



3. In an automatic lathe of the class described having a bed, a rotatable work-holding spindle, a tool support on said bed and movable longitudinally and transversely of said work-holding spindle, at least one hydraulic motor and control valve therefor disposed to effect movement of said support in one of said directions, said valve having casing and plunger members with one of the same freely supported by the other for relative axial movement, cam means on said bed and operable in predetermined relation to the rotation of said spindle, a rack disposed to operate said freely supported valve member, and a pinion disposed to traverse said rack in response to said cam, said supporting valve member and pinion being independently mounted for relative movement with one of the same being carried with said tool support whereby movement of the support effected by the rotation of said cam actuated pinion serves to further control said support by follow-up valve action.

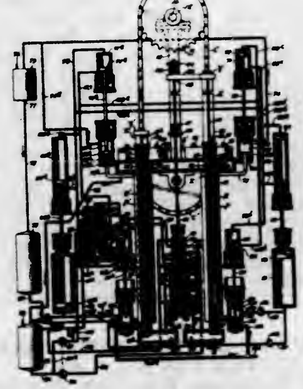
2,579,567
MEANS FOR CONTROLLING THE FLOW OF A FLUID HEAT TRANSFER MEDIUM
Otto W. Greene, Rochester, N. Y., assignor to The Pfaudler Company, Rochester, N. Y., a corporation of New York
Application November 30, 1946, Serial No. 713,318
3 Claims. (Cl. 257—2)

1. In a process vat having a jacket space, in combination, an inlet pipe for the heat transfer medium connected to the jacket space, a combined nozzle and valve arranged at the entrance to the jacket space for varying the flow of heat transfer medium thereto and directing the stream of heat transfer medium at the desired



angle into said jacket space, and means responsive to the temperature of the contents of the vat for automatically varying the position of said valve with respect to said nozzle to control the flow of the heat transfer medium to said jacket space.

2,579,568
FLUID PUMP
August F. Habenicht, Tinley Park, Ill.
Application June 25, 1948, Serial No. 35,100
4 Claims. (Cl. 230—184)



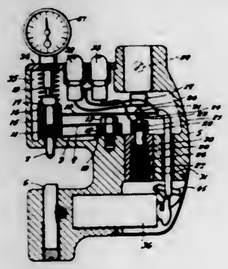
1. In apparatus for pumping gases, a cylinder, a piston reciprocable therein having smaller cross-sectional area than the cylinder, an inlet conduit near the bottom of the cylinder, an outlet conduit near the top of the cylinder, means for reciprocating the piston, an outlet valve in the outlet conduit, a gas line communicating with the inlet conduit including an inlet valve, means operative to close the outlet valve and open the inlet valve during the up-stroke of the piston and to open the outlet valve and close the inlet valve during the down-stroke of the piston, and liquid-pressure means communicating with the inlet

conduit for admitting liquid under pressure into the inlet conduit during the down-stroke of the piston to force the gas out of the outlet conduit.

2,579,569
ELECTRIC GAUGE

Harry J. Hauck, New Britain, and George A. Highberg, West Hartford, Conn., assignors to Modern Tools, Incorporated, a corporation of Connecticut

Application September 22, 1945, Serial No. 618,006
2 Claims. (Cl. 33—147)



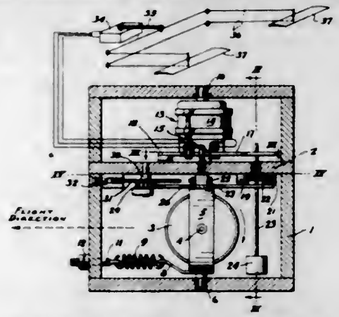
1. An electric gage comprising a frame having a stationary gaging member, a longitudinally movable gaging member spaced above said stationary member and substantially on an axis therewith, said movable member being elongated and having a portion extending downwardly through an opening in said frame for contacting a part being gaged and resting upon said stationary member, a spaced pair of parallel bars secured at one end to said movable member and extending therefrom, the opposite ends of said bars being anchored in said frame in spaced position to thereby flex uniformly and permit movement of the movable gaging member substantially on the axis thereof, spring means urging said members in the direction of the stationary member, stop means in said frame for limiting the movement of said movable gaging member towards the stationary gaging member, a separate bar extending from said movable gaging member to a point located rearwardly of the anchoring means for the said flexible bars, contact means carried upon the free end of said separate bar, adjustable contacts mounted in said frame and vertically spaced on the axis of said contact means, an electric circuit controlled by said contact means, and light means in said circuit for indicating the condition of a part being gaged.

2,579,570
GYROSCOPE AND PENDULUM CONTROL SYSTEM FOR AIRPLANES

Frederic F. Hauptman, Rego Park, N. Y., assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y., a corporation of New York

Application January 29, 1946, Serial No. 644,137
11 Claims. (Cl. 244—79)

1. In a control system for automatically moving the ailerons of an airplane to control its flight, a gyroscope normally rotating in a plane parallel to the X and Z axes of the airplane, a pendulum having its axis of rotation disposed parallel to the X axis of the airplane, and electromagnetic means including relatively rotatable windings, the position of which is controlled by precession movement of said gyroscope and swing of said pendulum respectively for energizing

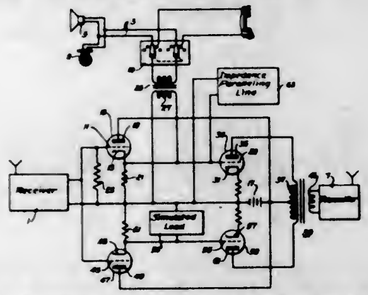


motor means for effecting movement of the allerons of the airplane.

2,579,571
COMMUNICATION APPARATUS

James R. Heck, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 13, 1947, Serial No. 734,474
15 Claims. (Cl. 178—44)



8. In a communication system including a line, a first converter from which electrical energy is supplied to said line and a second converter to which electrical energy derived from said line is transmitted; the combination comprising a first electrical path including an electric discharge device having an input circuit and an output circuit including an anode, a cathode, means for supplying a potential and an impedance connected between said cathode and said potential supply means, means for coupling the output of said first converter to said input circuit, means for impressing the potentials produced across said impedance on said line, a second electrical path, means including said impressing means, for passing electrical variations derived from said line to said second converter over said second path and a third electrical path coupled to said first and second paths for suppressing the flow of electrical variations from said first converter to said second converter through said impressing means, said third path including a second electric discharge device, substantially similar to said first-named electric discharge device and having an input circuit and an output circuit including an anode, a cathode, means for supplying a potential and a second impedance connected between said last-named cathode and said potential supply means, a dummy load simulating the load imposed by said line on said first-named electric discharge device connected across said second impedance and means for coupling said second impedance to said second path in such manner that the electrical energy across said second impedance substantially balances out the electrical energy from said first-named impedance impressed on said second path.

2,579,572
MANUFACTURE OF VINYL RESIN COMPOSITIONS

John G. Hendricks, Chatham, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

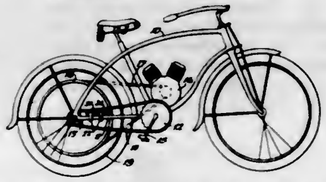
No Drawing. Application June 27, 1950, Serial No. 170,705
5 Claims. (Cl. 260—45.7)

1. A method for producing a light stable vinyl chloride resin composition which comprises first forming an intimate mixture of a finely-divided salt selected from the group consisting of sodium phosphite and potassium phosphite and barium ricinoleate in proportion so that for each part of salt there are present from 0.1 to 3 parts of barium ricinoleate and subsequently incorporating this mixture in a vinyl chloride resin composition in proportion so that the amount of phosphite salt present in the final composition will be from 0.5 to 10 parts by weight.

2,579,573
BICYCLE BRAKE CONSERVING DEVICE

Harry H. Henry, Chicago, Ill., assignor to Monark Silver King, Inc., Chicago, Ill., a corporation of Delaware

Application May 6, 1949, Serial No. 91,815
5 Claims. (Cl. 192—5)



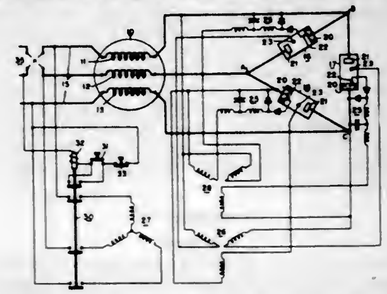
1. In combination with a bicycle having a frame, driving and driven sprockets, a coaster brake associated with said driven sprocket, a chain connecting said sprockets and pedal arms connected to said driving sprocket, a cylinder detachably mounted on said frame below the upper portion of said chain, a compression spring in said cylinder, a plunger in said cylinder engageable with the forward end of said compression spring, and an actuating lever carried by the forward end of said plunger and engageable with said chain when the chain is slackened in the initial movement for the application of the brake.

2,579,574
VAPOR ELECTRIC DEVICE

Louis W. Herchenroeder, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 7, 1950, Serial No. 154,565
3 Claims. (Cl. 315—146)

1. A control system for a machine having a star connected winding comprising a star connection including a plurality of polygon connected vapor-electric valves, each of said valves including a main anode and cathode, an ignitor electrode and a keep-alive electrode, an impulsing circuit connected to each of said ignitor electrodes, an alternating-current circuit connected to said keep-alive electrode and switching

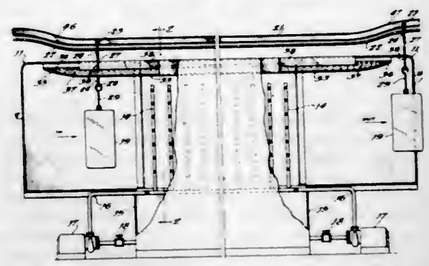


means controlling the energization of said impulsing circuit and said alternating-current circuit.

2,579,575
METAL CLEANING AND PICKLING MACHINE AND CONVEYER SYSTEM THEREFOR

Wallace Herdlein, Chicago, Ill.

Application November 10, 1949, Serial No. 126,668
7 Claims. (Cl. 134—114)



7. In a processing machine, an enclosure through which the articles to be treated are passed and in which they are treated, a conveyor movably mounted above said enclosure for transporting such articles through the enclosure with most of the conveyor structure on the outside thereof, a wall of the enclosure having a lengthwise slot therein and said conveyor having article-supporting members suspended therefrom and adapted to extend through said slot, each said member having an offset portion, a trough adjacent said slot arranged to contain a liquid through which the offset portion of said article-supporting members may pass, and means cooperating with said slot and trough whereby the liquid in the trough provides an hydro-hermetic seal to prevent escape of gases or fumes through said slot.

2,579,576
CRACKING WITH ACID-TREATED CLAY CATALYST

John H. Hickey, Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill., a corporation of Delaware

No Drawing. Application August 17, 1949, Serial No. 110,880
3 Claims. (Cl. 196—52)

1. A process for cracking hydrocarbon oils which comprises passing the oil to be cracked through a cracking zone containing a catalyst comprising essentially a bentonite clay activated by reacting said clay at a temperature between about 10° and about 40° C. with about 0.05 to

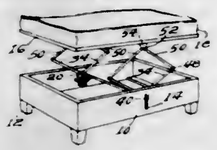
about 0.15 pound of a mineral acid per pound of clay, said acid being of about 2% to about 15% concentration in water, separating the resultant solution from the clay, further reacting the clay with an aqueous solution of a mineral acid of about 5% to about 15% concentration in an amount corresponding to about 0.1 to about 0.6 pound of concentrated acid per pound of clay, at a temperature of about 80° C. to the boiling point of said solution, separating the resultant solution from the clay, washing the clay, and then drying it.

2,579,577

VERTICALLY ADJUSTABLE FOOT STOOL

Glenn E. Hill, Los Angeles, Calif.; Fayra Dieterich, administratrix of said Glenn E. Hill, deceased, assignor, by mesne assignments, to James G. Myer and John F. Dieterich, Jr., Los Angeles, Calif.

Application January 3, 1949, Serial No. 68,767
8 Claims. (Cl. 155—172)



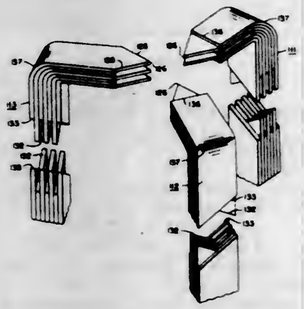
5. A leg stool comprising a supporting base and a platform adjustably positioned with respect to the base, said adjustment including a series of links in pantograph relationship, plates inside the base for supporting the links, said plates being slotted for permitting relative movement of portions of the links thereto, a shaft passing through and connecting the links, said shaft movable in the slots, and means for locking the shaft in desired relationship with respect to the plates and links.

2,579,578

THREE-PHASE CORE

Clifford C. Horstman, Sharpsville, and Charles E. Burkhardt and Belvin B. Ellis, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 26, 1948, Serial No. 62,162
19 Claims. (Cl. 175—356)



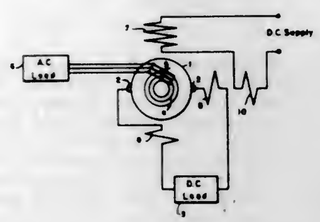
1. In a three-phase core structure for electrical induction apparatus, in combination, three U-shaped core members formed of a plurality of layers of laminations of magnetic sheet material, each of the U-shaped core members having a substantially straight winding leg portion forming the center portion of each U-shaped member and yoke portions at each end of the leg portions extending substantially at right angles to the leg portions, the yoke portions of the three core members meeting in center joints spaced along the axis of the core structure at the top and bottom thereof, the three core members extending outwardly from the axis of the core structure in directions displaced substantially 120° from each other, the ends of the sheets of magnetic material in each layer in the three core members meeting in the center joint area to form a pattern of meeting edges of the sheets in the several core members unsymmetrical with respect to the axis of the core structure, the successive layers of magnetic sheet material being so positioned that the pattern of meeting edges in a layer progressively rotates a third of a revolution between successive adjacent layers to form lap-butt joints at the center joints and to give a progressively displaced joint pattern in each of three successive layers, each winding leg portion being provided with a core joint in which the ends of the several layers of magnetic sheet steel at the joint overlap the ends of the adjacent layers to provide an upper and a lower core part each having three winding leg parts joined together in the completed core assembly, the several layers of magnetic sheet material comprising the core structure being free to flex individually with respect to one another to reduce the noise level of the core caused by magnetostriction.

2,579,579

DIRECT-CURRENT GENERATOR

Dillon B. Hoover, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 30, 1949, Serial No. 102,245
4 Claims. (Cl. 322—90)



1. A direct-current generator adapted to be mechanically driven to supply a direct-current load and a substantially constant alternating-current load, said generator having an armature member and a field member, said armature member having a winding connected to a commutator and to slip-rings, brushes engaging the commutator for supplying said direct-current load, brushes engaging the slip-rings for supplying said substantially constant alternating-current load, a single shunt-type main field winding disposed on said field member, a main commutating field winding on the field member connected in series with the direct-current load, an auxiliary commutating field winding on the field member, and means for supplying substantially constant direct-current excitation to said auxiliary commutating field winding.

2,579,580

CYANOETHYLATION

Benjamin W. Howk and Carl M. Langkammerer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 18, 1950, Serial No. 185,506
8 Claims. (Cl. 260—465.1)

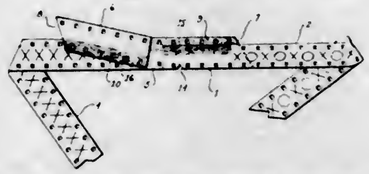
1. In the process of cyanoethylation of a compound containing a reactive hydrogen atom with a cyanoethylating agent taken from the group consisting of acrylonitrile and acrylonitriles having aliphatic hydrocarbon substituents of one to two carbon atoms the step which comprises carrying out the cyanoethylation reaction in the presence of a cross-linked polyquaternary ammonium hydroxide resin.

2,579,581

LEADER FILM

Hugo R. Hustad, Detroit, Mich.

Application December 26, 1947, Serial No. 794,042
2 Claims. (Cl. 88—19.5)



2. A leader for movie films to be cut into two sections for attachment of each cut end to separate film strips: one original end made up of two concurrent parts both treated with an adhesive on inside non-complementary sections; and each original end having a notch, said notches being identical, having two edges of angular relationship, and being complementary to each other when said two original ends are in operative position.

2,579,582

TANDEM AXLE VEHICLE

Herbert W. Jahn and Elmer H. Blank, Savanna, Ill., assignors, by mesne assignments, to Pressed Steel Car Company, Inc., Chicago, Ill., a corporation of Pennsylvania

Application September 1, 1949, Serial No. 113,542
3 Claims. (Cl. 280—104.5)



1. A mounting for the axles of a tandem axle vehicle having a main frame and three axles supporting the frame, said mounting comprising in combination, a pair of forward supporting members attached to said frame, a pair of rearward supporting members attached to said frame, a vertical guideway attached to said frame intermediate said pairs of supporting members, an intermediate axle mounted for guided tilting vertical movement in said guideway, a pair of first levers each journalled on one end of said intermediate axle and extending forwardly and rearwardly therefrom, a pair of forward levers pivotally mounted on said pair of forward supporting members, a front axle mounted on the forward ends of said pair of forward levers, a pair of rearward levers pivotally mounted on said pair of rearward supporting members, a rear axle mounted on the rearward ends of said pair of rearward levers, a connector pivotally mounted on each end of each of said pair of first levers, and a pin mounted on the rear end of each of said pair of forward levers and on the front end of each of said pair of rearward levers, said pins journalled for sliding movement in the respective connectors whereby a sliding pivotal joint is provided between said first levers and said forward and rearward levers.

2,579,583

SEGMENTAL BLADING

William C. Johnson, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application January 29, 1945, Serial No. 575,056
3 Claims. (Cl. 29—156.8)



3. The method of making a bladed rotor or stator element having a plurality of sector shaped bladed structures individually detachably mounted thereon, comprising: providing blades of a material which is difficult if not impossible to machine when unheated, other than by a grinding operation; positioning said blades in row forming relation with oppositely facing surfaces of root portions of said blades disposed in abutting engagement and with base ends of said blades presenting a circular approximately continuous base surface; providing a base member having a peripheral blade mounting portion approximately equal in width, curvature and length of curvature to said base surface, said base member being of material readily machinable when unheated; positioning said base member with its said peripheral blade mounting portion disposed in opposed coextensive adjacent relation to said base surface; fusibly uniting said blades and base member with an interposed bond of fused material, readily machinable when unheated, machining said bond and base member to provide at least one groove extending circumferentially of said base member for complementary engagement with and detachable mounting on a blade-structure-supporting portion of the rotor or stator element; and cutting said base member and blades united thereto into a plurality of bladed sectors, each sector comprising a plurality of blades.

2,579,584

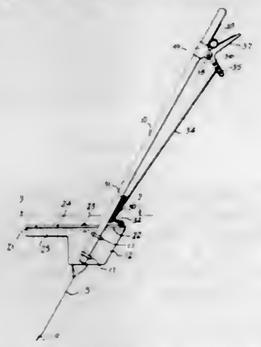
HAND-HARVESTING TOOL

Joseph Raymond Kachelhoffer, Joliet, Ill.

Application April 25, 1947, Serial No. 743,881
1 Claim. (Cl. 30—134)

A harvesting tool comprising a rod, a vertically disposed plate arranged in side by side relation with respect to said rod adjacent one end of the latter, embracing means on the portion of said rod adjacent said one end and secured to said plate for securing said rod to said plate, a horizontally disposed cutting element positioned on the upper end of said plate and secured thereto,

a vertically disposed skirt positioned below and inwardly of one end of said cutting element and fixedly secured to said plate, a cutting jaw positioned in face to face relation with respect to said cutting element and mounted intermediate



its ends on said element for movement into and out of closing engagement with respect to the later, and hand actuated means carried by the other end of said rod and operatively connected to said cutting jaw for effecting the movement of the latter.

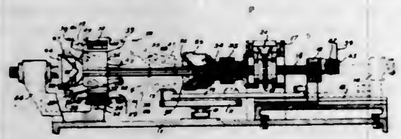
2,579,585

STATOR WINDING MACHINE

Karl Klinksiek, Richmond Heights, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application June 23, 1947, Serial No. 756,370

10 Claims. (Cl. 242—1)



1. In a machine for winding an internally slotted frame forming the core for a dynamo-electric machine, a wire guiding shuttle provided with a wire delivery thimble, means for reciprocating the shuttle in paths embraced by the frame and each in radial alignment with a slot thereof, means operative after the shuttle has passed through the frame in a reciprocatory movement for imparting radial movement to the part of the shuttle carrying the wire delivery thimble to bring the delivery end of said thimble to a position having greater radial displacement from the axis of the frame than the bottom of the wire receiving slots thereof and to thus tend to carry the wire into the bottom of the slot then in alignment with the thimble, means operative prior to the beginning of the return reciprocation of the shuttle to oscillate said shuttle to move the wire delivery thimble into alignment with the slot to which the wire is to be next applied, and stationary means engageable by the wire during the return reciprocation of the shuttle and at a point between the thimble and the end of the slot to which the wire was last applied to bend the wire to a sufficient extent that a part thereof having proper radial displacement to enter said next slot will be aligned with the end opening thereof when it is brought to a point adjacent said opening by the movement of the shuttle.

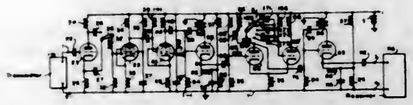
2,579,586

ELECTRONIC PHASE SHIFTER

Herbert M. Kroft, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 15, 1949, Serial No. 99,245

9 Claims. (Cl. 250—27)



1. Electronic phase-shift apparatus, comprising an amplifier having an input circuit for receiving a signal and an output circuit for providing amplified signal voltage, a single-stroke pulse generator connected to said output circuit to be triggered by said voltage for providing a first pulse of a fixed phase position relative to said signal, a time delay stage connected to said generator and having tube circuit means for providing a voltage wave in response to said first pulse, said circuit means having an adjustable member for adjustably delaying the zero passage of said wave relative to said phase position, differentiator means connected to said time delay stage for modifying said wave into a peaked voltage, and another single-stroke pulse generator connected to said differentiator means to be triggered by said peaked voltage and having an output circuit for providing another pulse of an adjustable phase position relative to said first pulse.

2,579,587

PHOTOGRAPHIC PRODUCT CONTAINING A RUPTURABLE CONTAINER

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application October 25, 1947, Serial No. 782,117

8 Claims. (Cl. 95—9)



1. A composite photographic product comprising a photosensitive layer including a base supporting on one surface thereof a photosensitive silver halide stratum, said photosensitive layer being in the form of a roll, means for releasably maintaining said photosensitive layer in its rolled-up condition, an image-carrying layer, a plurality of rupturable containers spaced equal distances from each other sequentially arranged on a surface of said image-carrying layer, each of said containers releasably holding a predetermined quantity of processing liquid and being secured transversely to said image-carrying layer, said product including a silver halide developer, each said container being capable of releasing its contained liquid for spreading across a predetermined area of said image-carrying layer, said image-carrying layer being in the form of a second roll, means for releasably maintaining said image-carrying layer in its rolled-up condition, said last-mentioned means for maintaining said image-carrying layer in a roll being independent of the means for maintaining the photosensitive layer in a roll, said photosensitive layer comprising a leader portion, said image-carrying layer comprising a leader portion, means securing together said two leader portions whereby at least a part of each leader portion is held in registered relation with the other leader portion, said roll of photosensitive layer and said roll of image-carrying layer being positioned with respect to each other so that said rolls are at least substantially in contact with each other, and means engaging both said rolls for releasably securing the rolls in said contacting relationship.

2,579,588

EAR ORNAMENT CLASP

Philip F. Leach, Attleboro, Mass., assignor to General Findings & Supply Co., a corporation of Massachusetts

Application October 19, 1949, Serial No. 122,160

2 Claims. (Cl. 63—14)



1. An ear wire comprising a body having a jaw to engage one side of the ear lobe and an arm of the same piece of material spaced from said jaw, said arm comprising two parts of the same piece of material resiliently connected together and normally disposed at one relative position to each other and movable into other relative positions by flexing said resilient connection, said parts each having an opening therethrough, a rectilinear rod through said openings with heads on each end, said rod being freely movable through said openings toward and from said jaw when the arm parts are in one relative position but bound against movement through said openings when the parts are moved relative to each other under influence of said resilient connection, one of the arm parts being offset to engage the other arm part when the arm parts are in the position to release said rod for free movement through said openings.

2,579,589

STORAGE BATTERY SEPARATOR

William H. Lehmberg, Riverside, Conn., assignor to American Felt Company, Boston, Mass., a corporation of Massachusetts

Application February 25, 1947, Serial No. 730,799

1 Claim. (Cl. 136—146)



A battery separator plate of stiff, resilient felt for use in combination with the lead plates and sulfuric acid of a storage battery and comprising approximately 35% thermoplastic Vinyon fibre and 65% cotton fibre mixed and distributed at random in felt formation and weighing approximately 28 oz./sq. yd., the material of the separator being unified by coalescence of the Vinyon fibre and maintained thereby in stiff resilient condition presenting parallel corrugations, the cotton fibre being progressively oxidized and disintegrated in battery use, thus tending to increase the porosity of the separator and offset the filling effect of lead salts deposited thereon.

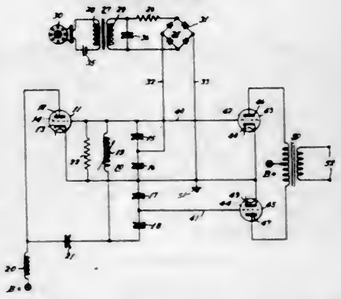
2,579,590

FREQUENCY MODULATOR

Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 13, 1946, Serial No. 716,045

13 Claims. (Cl. 332—29)



1. In combination, a generator of electrical oscillation comprising a frequency-determining network, a source of audio frequency for modulating said generator, means connecting between said audio source and said generator comprising a network shunting said frequency-determining network and including a full wave rectifier the resistance of which varies as the current therethrough varies, and means remotely of said generator for causing the current flowing through said rectifier to vary.

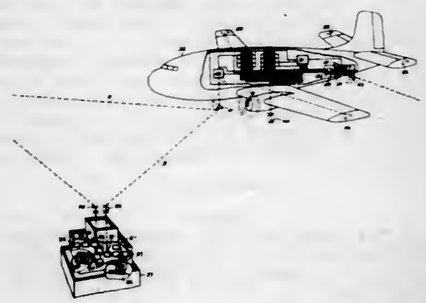
2,579,591

RELAY SYSTEM

Gordon S. Ley, Groveland, Mass., and Coleman J. Miller and Albert A. Nims, Jr., Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 19, 1947, Serial No. 742,654

13 Claims. (Cl. 250—15)



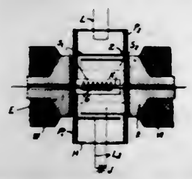
1. In a radio broadcasting system, a first aircraft controlled to maintain a substantially fixed relationship to a reference on the earth's surface for a substantial time interval, a radio broadcast transmitter mounted on said first aircraft, a second aircraft, a ground radio relay station located within line-of-sight range of each of said aircraft and comprising receiving and transmitting equipment for receiving high quality signals transmitted from said first aircraft and retransmitting said high quality signals, and a radio receiver disposed on said second aircraft for receiving said retransmitted signals.

2,579,592
LAMINATED INSOLE WITH ARCH SUPPORT
Siegfried Loewi, Tel Aviv, Palestine
Application March 8, 1947, Serial No. 733,323
In Palestine March 19, 1946
3 Claims. (Cl. 36—71)



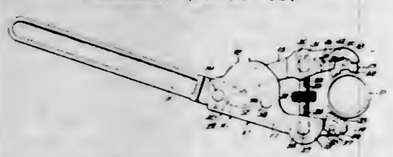
1. As a self-contained article of manufacture, a laminated insole for use as a permanently built-in part in footwear, comprising in combination, a top ply and a bottom ply of flexible leather; a filling arranged between said top and bottom plies, said filling consisting of two filling plies basically composed of cork; and an arch supporting wedge disposed between said two filling plies, said top and bottom plies being united along their edges so as to enclose said filling and said wedge.

2,579,593
MAGNETRON GENERATOR
Fritz Lüdi, Baden, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elecktro-Holding A.-G., Glarus, Switzerland
Application March 9, 1943, Serial No. 478,533
In Switzerland February 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 9, 1962
15 Claims. (Cl. 315—39)



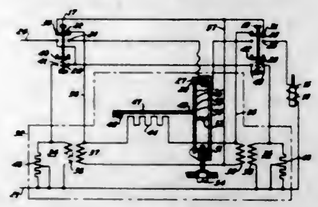
1. A magnetron comprising a cavity resonator having a cathode in the interior thereof positioned at right angles to two parallel surfaces defining the shortest dimension of said resonator, an anode structure surrounding said cathode and composed of a multiplicity of equal length anode segments greater than two located between said surfaces and mounted with alternate segments on the same surface and adjacent segments on opposite ones of said two surfaces of said cavity resonator, and means adjacent said resonator for producing a magnetic field having flux lines extending in a direction substantially parallel to said cathode.

2,579,594
PIPE WRENCH OF THE TYPE THAT EMBODIES OPPOSED JAW-EQUIPPED ARMS WITH AN ADJUSTING SCREW THEREBETWEEN
Benjamin L. Lurie, Chicago, Ill.
Application April 20, 1949, Serial No. 88,581
5 Claims. (Cl. 81—91)



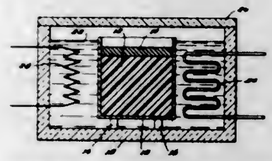
1. A pipe wrench comprising a body, a handle having one end thereof pivotally connected to the body, a first arm having one end thereof connected fixedly to said body and embodying at its outer end a laterally extending pipe-engaging jaw, a second arm disposed in opposed relation with the first arm and having its outer end provided with a laterally extending pipe-engaging jaw, an adjusting screw for moving the second arm to and from the first arm and having the ends thereof pivotally connected respectively to central portions of said arms, and means operative automatically in response to swinging of the handle in one direction relatively to the body after application of the jaws to the pipe to move the second arm outwards away from the body and also to swing or tilt said second arm in such direction as to cause the jaw thereon to move towards the jaw on the first arm, said means embodying a separately formed pivotally mounted lever extending between and operatively connected to said one end of the handle and the inner end of said second arm.

2,579,595
SAFETY DEVICE FOR PRESSES
Fletcher E. McLane, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1947, Serial No. 750,989
15 Claims. (Cl. 175—320)



1. In a safety control, a pair of manually operable control members normally effective upon concurrent operation thereof to perform a control operation, a thermal element operable upon heating thereof to prevent a control action by said members, and means operative to heat said thermal element when only one of said control members is operated, said means being inoperative to effect a heating action when both of said control members are operated.

2,579,596
PROCESS FOR POLYMERIZING LARGE BODIES OF RESINS
Herbert F. Minter and Milton M. Leven, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 14, 1948, Serial No. 38,604
4 Claims. (Cl. 260—45.4)

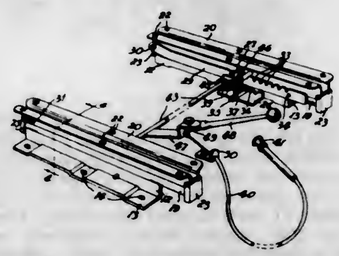


1. In the process of polymerizing a relatively large body of a completely polymerizable liquid composition composed of a solution of an unsaturated polyester of at least one dicarboxylic acid and a liquid polymerizable monomer having the group $H_2C{=}C{<}$, into a homogeneous solid, the steps comprising dissolving a peroxide catalyst in the composition, the peroxide catalyst being the only catalyst for the reaction, placing the catalyzed composition in an open container of an inert, non-reactive material, the container being of circular cross-section, covering the composition in the container with a layer of 1,5-pentanediol to seal the composition against the entry of atmospheric gases and moisture, reducing the temperature of the composition to between 5° C. and 18° C. in the absence of photocatalytic light, the temperature being related to the internal diameter of the container by the empirical equation

$$T°C = 50/D$$

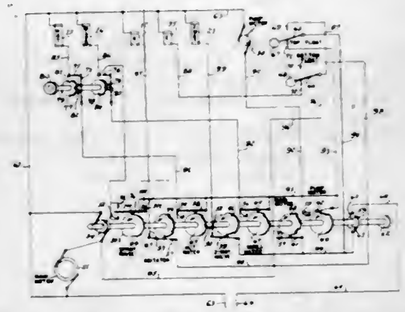
where D is the internal diameter in inches of the container, D having a value of from 10 inches to 3 inches, containers of a diameter of 10 inches and greater being maintained at 5° C. and containers less than 3 inches in diameter being maintained at a temperature not exceeding 18° C., the containers being maintained at the temperatures indicated for at least 4 days, then the temperature being slowly raised at a gradually increasing rate so that a temperature of 40° C. is reached in not less than approximately the same number of days as the number of inches of internal diameter of the container, this time being not less than two days in any event, then raising the temperature at a rate of not in excess of ¾° C. per hour for glass containers of a diameter of 10 inches and over and not in excess of 2° C. per hour for containers of 3 inches internal diameter and less, the maximum rate of temperature rise being proportioned between these limits inversely to the diameter for containers between 3 inches and 10 inches internal diameter, to an elevated temperature of from 120° to 150° C. and holding at the elevated temperature for at least from 4 to 1 days, the longer times being employed at the lower temperature, until the liquid composition has been fully polymerized into a homogeneous resin solid, and slowly cooling the solid to room temperature at a rate preventing stresses being set up in the resin solid, the 1,5-pentanediol serving to prevent the resin solid from adhering to the container.

2,579,597
SLIDABLE AND ADJUSTABLE SEAT
Laurence Francis Moroney, Moonee Ponds, near Melbourne, Victoria, Australia
Continuation of application Serial No. 782,169, October 25, 1947. This application April 25, 1950, Serial No. 157,898. In Australia November 1, 1946
12 Claims. (Cl. 155—14)



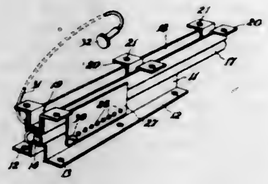
1. A slidably adjutable control mechanism for a seat consisting of at least one mechanism including a lower assembly adapted to be secured to a stable foundation such as floorboards of an automobile and having a lower channel and bearing balls in the said channel; an upper assembly adapted to be secured to a seat such as that of an automobile and having an upper inverted channel the lower portions of which are adapted to pass around and partially under the lower channel, the upper channel being adapted to bear upon the bearing balls and to be slidable along the lower channel; a notched rack associated with the upper assembly, the rack being pivotally connected to the said upper assembly; a stop member associated with the corresponding lower assembly; the said rack being freely movable longitudinally when in lowered position but adapted to engage with the said stop member to prevent such movement when in raised position; a bearer associated with the lower assembly and adapted to support the said rack and to carry it normally to raised position in engagement with the stop member; a release member associated with the said bearer and adapted, when the bearer is moved so as to permit the rack to be lowered to disengaged position, to coact with the rack to force it out of engagement with the stop member; and a hand-operable mechanism adapted to move the bearer and associated release member so as to throw the said rack out of engagement with the said stop member.

2,579,598
CONTROL FOR AUTOMATIC WASHING MACHINES
Harold E. Morrison, St. Joseph, Mich., assignor to Whirlpool Corporation, a corporation of New York
Application April 26, 1946, Serial No. 665,281
8 Claims. (Cl. 68—12)



1. In an automatic washing machine, the combination comprising a tub, means for delivering fluid to said tub including a pump, a motor for driving said pump, and a float switch having a lower contact connected to energize said motor and effect operation of said pump, a second motor for carrying out certain stages of the washing cycle, said float switch having an upper contact connected to energize said second motor when said switch is in an uppermost position, a program switch unit including a plurality of stationary and movable contacts, and circuit means connected thereto to carry the washing machine through a cycle of operations and to energize said pump motor to operate said pump and deliver fluid to the tub under control of said lower contact of said float switch, and a circuit from said program switch to said second motor independent of the circuit from said float switch to said second motor and connecting said second motor in the circuit regardless of the level of the fluid in the tub upon the advance of said program switch into a washing cycle.

2,579,599
SLIDABLE AND ADJUSTABLE SEAT
Laurence Francis Moroney, Moonee Ponds, near Melbourne, Victoria, Australia
Application July 19, 1946, Serial No. 684,646
In Australia August 10, 1945
7 Claims. (Cl. 155—14)



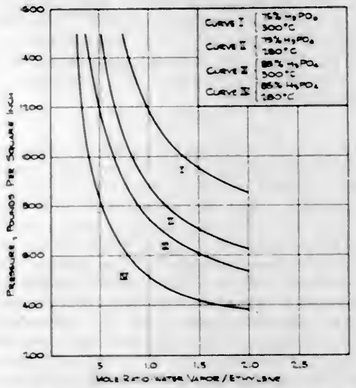
1. An improved slidably adjustable mounting for a seat comprising a lower channel of arcuate cross-section adapted to be secured to a fixed support; an inverted channel adapted to be secured to a movable seat; the side edges of said arcuate lower channel being pressed inwardly at intervals to define and limit co-linear runways; a bearing ball in each of said runways and longitudinally movable therein, the upper portion of said inverted channel being adapted to bear on the said bearing balls, the lower portions of the inverted channel being of arcuate cross-section and fitting closely and slidably about and under the arcuate lower channel on both sides; and a lock adapted to hold the seat releasably in desired position in relation to the said fixed support.

2,579,600
FILM REEL BAND
William E. Murray, Regina, Saskatchewan, Canada, assignor to General Films Limited, Regina, Saskatchewan, Canada, a corporation of Canada
Application April 24, 1950, Serial No. 157,657
In Canada December 12, 1949
4 Claims. (Cl. 206—53)



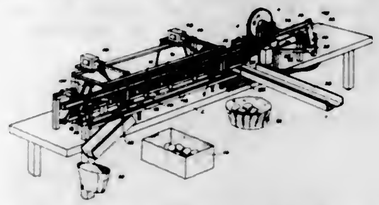
2. A film reel band comprising a non-elastic strip, an eyelet extending through an end portion of said strip, a rubber band having one end anchored in said eyelet, a tab secured to the other end of the rubber band, and a hook engageable by said tab and anchored in said strip intermediate the ends thereof, the portion of said strip extending from said hook to the other end thereof having a length considerably greater than the normal length of said rubber band thereby to underlie the entire rubber band when the reel band is mounted on a reel.

2,579,601
OLEFIN HYDRATION PROCESS
Charles R. Nelson, Orinda, Marion A. D. Taylor, Berkeley, Donald D. Davidson, Walnut Creek, and Leslie M. Peters, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 16, 1950, Serial No. 179,836
13 Claims. (Cl. 260—641)



11. In a process for producing alcohols by the direct hydration of olefins whereby a gaseous mixture of olefin and water vapor, at elevated temperature and pressure, is continuously passed through a catalyst bed comprising phosphoric acid absorbed within a solid porous support, which bed is free of substantially all seepage of phosphoric acid, the step comprising adding a solution of free phosphoric acid to the support, as the hydration operation continues, to make up for the amount of phosphoric acid which is lost from the support as a result of passing the gaseous feed mixture therethrough, the amount of phosphoric acid added in this fashion not exceeding one pound (calculated as 100% H_3PO_4) for each 100 pounds of alcohol produced.

2,579,602
WEIGHT SORTING DEVICE
Herbert O. Niederer, Otto C. Niederer, and Otto Niederer, Titusville, N. J.
Application December 19, 1945, Serial No. 635,937
6 Claims. (Cl. 209—121)



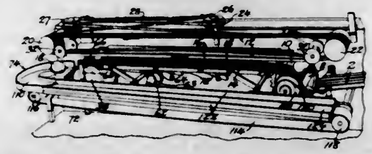
1. In a weighing device having a balance beam with article receiving means thereon, means for depositing an article on said article receiving means, means movable in timed relation to the operation of said article depositing means for holding said balance beam stationary while an article is being deposited on said article receiving means, ejecting means for removing an article from said article receiving means, electrically actuated means for operating said ejecting means, a switch controlling said electrically actuated means and movable toward said balance beam into position to engage the balance beam when tilted, and means for moving said switch to said position while the balance beam is released for movement.

2,579,603
ARTICLE CLEANING MECHANISM
Otto C. Niederer, Otto Niederer, and Herbert O. Niederer, Titusville, N. J.
Application February 18, 1949, Serial No. 77,096
18 Claims. (Cl. 51—138)



4. Mechanism for cleaning rounded articles comprising article supporting means defining a path of travel for articles to be cleaned, means for successively moving articles along said article supporting means, flexible article cleaning means spaced from said article supporting means a distance less than the diameter of the articles to be cleaned and extending generally parallel to the path of travel of said articles so as to be positioned to engage articles moving along said supporting means, and means for tilting the articles during their movement along said path.

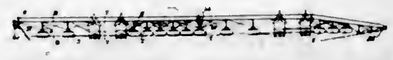
2,579,604
EGG CLEANING DEVICE
Otto C. Niederer, Otto Niederer, and Herbert O. Niederer, Titusville, N. J.
Application April 19, 1950, Serial No. 156,818
6 Claims. (Cl. 51—138)



1. An egg cleaning device comprising an egg supporting belt, a strand of flexible abrasive means extending generally parallel to and above said belt and spaced therefrom a distance less than the diameter of the eggs to be cleaned, means for moving said belt and strand in opposite directions, and means for moving eggs lengthwise of said belt between said belt and abrasive means, said belt being provided on its upper surface with means forming a curving track engageable by eggs moved lengthwise of the belt for tilting the eggs during such movement.

2,579,605
BUILDING OF NONPERMANENT BRIDGES CHIEFLY FOR MILITARY PURPOSES BY MEANS OF AMPHIBIAN SEAPLANES
Charles Alexis Marie Eugène Odot, Hussein-Dey, Algeria
Application June 27, 1946, Serial No. 679,654
In France December 20, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 20, 1964
10 Claims. (Cl. 244—1)

4. An airplane intended to be employed as a pontoon in the building of a collapsible and transportable bridge across a watercourse for the passage of rolling loads, the airplane comprising opposed and oppositely projecting wings, a track at the exterior of the wings and extending longitudinally thereof from the outer end of one wing to the outer end of the other wing, the track being so constructed and arranged as to permit the passage of a rolling load along it



above the wings, when the airplane is placed on the water with other planes for making a bridge, and a girder system fixed longitudinally to the interior of the wings and so constructed and arranged that it will not only sustain the aerodynamic stresses in the airplane in flight but will also sustain the weight of the rolling loads passing over the track when the airplane forms a part of a bridge.

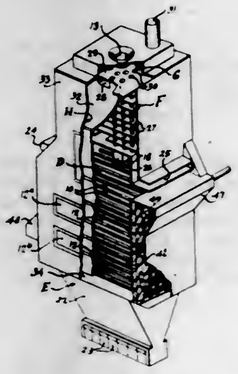
2,579,606
ADJUSTABLE DESK TOP
Benjamin J. Oom, Claude L. Tinklepaugh, and Edward Earl Westen, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application December 6, 1946, Serial No. 714,396
10 Claims. (Cl. 312—316)



3. In a desk structure of the character described: a top box comprising a bottom, a front wall, side walls, and a rear wall; a hinge member having a web portion extending from side to side of the forward part of the top box and connected to the top box at the upper forward corners thereof swingably about a horizontal axis; a cover for the top box extending from front to rear thereof and connected to the rearward end of the hinge member swingably about a second horizontal axis; a latch lever pivotally mounted on the web portion of the hinge member and a keeper mounted on the underside of the forward portion of the cover, said latch lever having an operating handle portion extending within the top box when the hinge member is in lowered position and a latch portion adapted to engage said keeper when the forward portion of the cover lies flush against the hinge member; spring means for normally urging the latch to its position of engagement; said cover being thus movable with the hinge member about the first-mentioned axis to an upwardly inclined position giving access to the top box and to the operating handle portion of the latch lever; friction means interposed be-

tween the top box and the hinge member for supporting the hinge member and the cover in variously swung positions; and said cover upon release of the latch lever being movable relative to the hinge member about the second-mentioned axis to a downwardly inclined position wherein the cover's rearward end is supported by the rear wall of the top box.

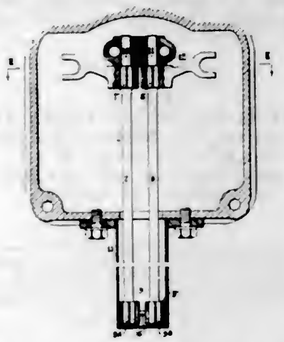
2,579,607
CONTINUOUS DRIER
Leo J. O'Shaughnessy, South Porcupine, Ontario, Canada
Application March 10, 1948, Serial No. 14,050
13 Claims. (Cl. 34—33)



1. A continuous drier for granular materials comprising a drying chamber, means for supplying material to be dried to said chamber, dried material collecting and delivering means below said chamber, means for providing an upward flow of pre-conditioned air through said drying chamber, a plurality of substantially horizontal substantially parallel spaced apart heating members traversing said chamber, said heating members being arranged in sloping rows to provide sloping passageways between said rows, and means for retarding the descent of all the material being dried until a certain condition of local dryness has been achieved therein comprising a foraminous sheet positioned adjacent said heating members and forming a drying boundary extending across said chamber.

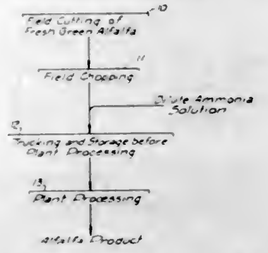
2,579,608
VALVE RETURN DEVICE
Paul Panhard, Paris, France, assignor to Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France
Application July 20, 1945, Serial No. 606,079½
In France January 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 10, 1964
1 Claim. (Cl. 277—60)

In an assemblage of the character described, a pair of parallel torsion bars each mounted for oscillation at an adjacent pair of ends in a fixed bearing, a pair of poppet valves, means interconnecting said poppet valves respectively with said pair of ends so that the reciprocations of said valves will cause oscillations of the corresponding ends of the bars, the other pair of adjacent ends of said bars being interconnected by a thin flexible disc in such a manner that the oscillations of one of the bars will be transmitted to the other bar through the disc while



permitting the bars to twist slightly relative to each other through the flexure of said disc.

2,579,609
VEGETABLE TREATMENT PROCESS
David D. Peebles, Hillsborough, Paul D. Clary, Jr., Petaluma, and Richard K. Meade, Santa Rosa, Calif., assignors to Western Condensing Company, San Francisco, Calif., a corporation of California
Application February 14, 1949, Serial No. 76,212
7 Claims. (Cl. 99—8)



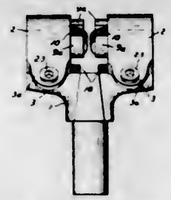
1. In a process for the treatment of fresh green vegetable material, contacting the material, immediately after the same is cut in the field, with ammonia.

2,579,610
SURFACE PROTECTING MATERIALS AND METHODS OF MAKING THE SAME
Antonio S. Pitre, United States Navy, San Francisco, and John Rudolph Saroyan, Vallejo, Calif.
No Drawing. Application October 23, 1947, Serial No. 781,770
30 Claims. (Cl. 260—3.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

11. An antifouling composition comprising an antifouling toxic and a matrix, said matrix being formed by intimately mixing 5 to 70 parts of a plasticizer with 100 parts of a resin, said resin being produced by blending 1 part of a polymer with from 1.5 to 7 parts of a film former selected from the group consisting of rosin, yacca gum, hydrogenated rosin, abietic acid, the resinous adduct of maleic anhydride and a monocyclic terpene possessing the p-cymene skeleton, and mixtures thereof, the temperature of at least the polymer having been elevated to from 275° F. to 325° F. to partially polymerize and dehydrate

the same, the temperature of the polymer never exceeding 325° F. during the entire process, said polymer being formed by reacting, to the point at which the aldehyde odor disappears, an aqueous mixture containing a monohydric phenolic constituent and a monoaldehyde constituent, the mol ratio of the phenolic constituent to the aldehyde consituent lying within the range of 2.5 to 1, and a metallic-compound catalyst and buffer for the phenol-aldehyde reaction selected from the group consisting of lead acetate, cupric acetate, litharge, and lead salicylate in the amount at least 0.01 mol per mol of aldehyde constituent.

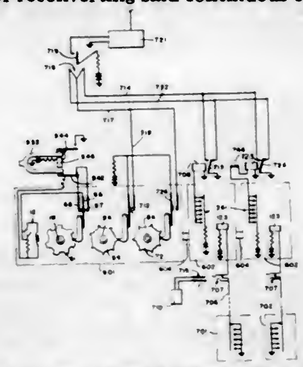
2,579,611
KNURLING TOOL
John E. Poorman, Philadelphia, Pa.
Application February 3, 1949, Serial No. 74,369
2 Claims. (Cl. 80—5.1)



1. In a knurling tool of the type including a pair of spaced split blocks having axially aligned bores with the splits opening into said bores and knurling roller carrying barrels mounted in said bores with their rollers facing each other and secured by clamps compressing the split block portions together, and means for adjusting said barrels axially of their bores including annular grooves in said barrels, threaded bores in said blocks parallel with said barrel receiving bores, the outer ends of said threaded bores being countersunk and laterally communicating with the respective barrel bore, and annularly flanged screws in said threaded bores with their flanges engaging in said annular grooves, the improvement which comprises the positioning of the block splits to intersect the countersunk portions of said threaded bores, whereby the screw flanges are also clamped by the split block portions.

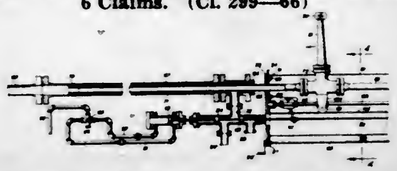
2,579,612
TELEGRAPH CONVERTER SYSTEM AND APPARATUS
Louis M. Potts, deceased, late of Evanston, Ill., by Martha W. C. Potts, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 18, 1947, Serial No. 755,445
11 Claims. (Cl. 178—4)

4. In a telegraph conversion system, means for originating signal combinations at a certain rate of speed, each composed of start-stop and a series of equal length impulses, means for converting said code combinations into continuous code combinations, each composed only of a series of equal length impulses, means for transmitting said continuous code combinations at a greater rate of speed than said signal combinations composed of start-stop and equal length impulses are originated, means for compensating for said greater rate of transmission by automatically transmitting idle signals at predetermined intervals, each of said idle signals composed of equal length marking and spacing impulses of the same number as one of said continuous code combinations, means for receiving said continuous code combinations and said idle signals, means operated by said receiving means for deleting said idle signals, means for reconverting said continuous code com-



binations into the original code combinations having start-stop signals and equal length impulses, and recording means operable in response to the receipt of said reconverted signals.

2,579,613
HYDRAULIC LOG BARKING APPARATUS
William H. Rambo and Harold A. De Rice, Portland, Oreg.
Application July 28, 1947, Serial No. 764,060
6 Claims. (Cl. 299—66)

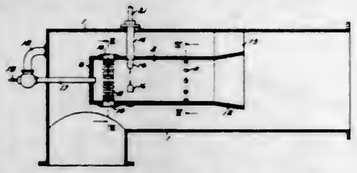


1. A machine for performing operations upon a long object, such as debarking a log, comprising a nozzle, a carriage supporting said nozzle, a pair of hollow, open-ended piston rods communicating at one end with said nozzle and extending from said carriage in opposite directions, an annular piston fixed to and coaxially surrounding each of said hollow piston rods, a cylinder surrounding each hollow piston rod in spaced relation and confining each of said pistons, fluid pressure creating means, a fluid directing system connecting said fluid pressure creating means with the interiors of both of said cylinders beyond said pistons and also with the spaces between said hollow piston rods and said cylinders, said system supplying pressure fluid to the interiors of both of said hollow piston rods to be ejected therefrom through said nozzle, and valve means included in said system, said valve means being movable to alternate positions effective alternately to connect one of said spaces to said fluid pressure creating means while relieving the other to atmosphere in order to effect reciprocation of said carriage.

2,579,614
COMBUSTION CHAMBER WITH ROTATING FUEL AND AIR STREAM SURROUNDING A FLAME CORE
James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 23, 1944, Serial No. 541,695
5 Claims. (Cl. 60—39.65)

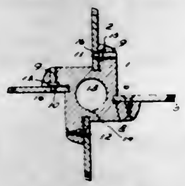
1. A fluid fuel burning device comprising a combustion chamber closed at one end and hav-

ing a series of openings arranged about the periphery of the chamber and forming air inlet passages inclined to direct air tangentially into the chamber for causing the air filling the chamber to rotate about the axis and to move axially of the chamber, a plurality of nozzles extending



into the chamber radially thereof and downstream from the air inlets for supplying fuel to and causing a mixing of fuel with the air in the core portion of the air in the chamber, and means for igniting the air-fuel mixture in the chamber.

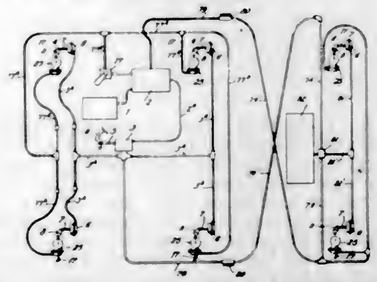
2,579,615
ROTARY CUTTERHEAD WITH RADIALLY EXTENDED BLADE SUPPORT
William Albert Sabo, Neshaminy, Pa.
Application May 19, 1949, Serial No. 94,111
3 Claims. (Cl. 144—229)



1. A rotary cutter, comprising a body portion having its outer portion angularly cut away at peripherally spaced locations to provide bearing walls and clearances, spaced pins fixed in the body portion, projecting through the bearing walls and projecting from them, said body portion having slots at the base of the bearing walls, one side wall of each slot merging into its bearing wall and being angularly inclined to provide clearance for the insertion of a knife into the slot, each slot having its opposite wall parallel with the bearing wall for such slot, and a knife for each slot having apertures to receive the pins and having a bearing against said opposite wall of a slot and the bearing wall for such slot.

2,579,616
AUTOMOTIVE VEHICLE BRAKING SYSTEM
Aage D. Sahlgaard, Chicago, Ill.
Application December 20, 1946, Serial No. 717,530
1 Claim. (Cl. 188—3)

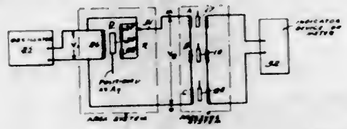
In a brake system for a tractor and trailer vehicle, a brake-operating system for the tractor comprising individual brake-operating means for singularly operating the brakes of each wheel, air pressure differential creating means, an air storage tank on said tractor containing air in stored condition maintained at a differential from atmospheric pressure, conduit means communicating between said tank and each of said brake-operating means, normally closed valve means in the line of said conduit means operable at will and when open passing to said brake-operating means air from said tank to actuate said brake-operating means and thereby actuate individually but simultaneously the brakes on each wheel, a brake-locking mechanism associated with each individual brake-operating means, other conduit means in normally open communication between said tank and said brake-locking mechanisms, means in said brake-locking mechanisms inhibiting them from acting to lock the brakes during continued maintenance of open communication between said brake-operating means and said tank, and valve means in the line of said other conduit means operable at will for interrupting the maintenance of air at a differential from atmospheric pressure in said brake-locking means, thereby causing said brake-operating means to be actuated while said air pressure differential creating means may continue in operation for the continued build-up and maintenance of air at a differential to atmospheric pressure in said tank, and a brake-operating system for the trailer, including individual brake-operating means for each trailer wheel, a brake-locking mechanism associated with each of said individual trailer wheel brake-operating means, including conduit extension means for said first mentioned tractor conduit



means extending beyond said normally closed valve means, extension conduit means on said trailer extending from said tractor air storage tank, a reserve air storage tank on said trailer auxiliary to said tractor air storage tank, and an air control relay valve on said trailer, said tractor conduit means communicating with said air control valve means and therethrough with said brake-operating means of said trailer, said extension conduit means of said trailer communicating with said relay valve and with each trailer brake-locking mechanism, said reserve air storage tank also communicating with said air control relay valve, and said air control relay valve being adapted under working conditions to maintain a relatively constant supply of air in said reserve air storage tank at a differential to atmospheric pressure and to discharge air therefrom as required for boosting the brake applying force made available through said tractor normally closed valve means and for completely setting the brake-operating means and brake-locking mechanisms should air at a differential to atmospheric pressure be unavailable from said tractor storage tank.

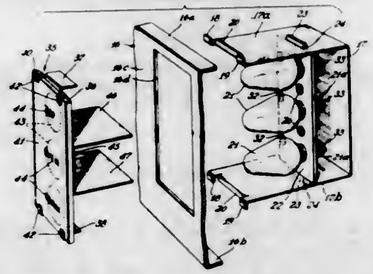
2,579,617
THRUST METER
Herman Schaevitz, Collingswood, N. J.
Application February 7, 1950, Serial No. 142,912
11 Claims. (Cl. 73—116)

1. A thrust meter for a reaction motor comprising means defining an electrical circuit having an input from a source of oscillatory voltage and an output as an electrical value, said circuit comprising a voltage regulator, a variable voltage divider, means operated as a function of instantaneous tail area setting of such reaction motor for actuating the voltage regulator to control the voltage across the voltage divider, said circuit including the primaries of a plurality of mutual inductances in series from one side of the input through the arm of the voltage divider and the



voltage divider to the other side of said input, the secondaries of said plurality of mutual inductances being in series to form the output, and means respectively operated by the nozzle inlet pressure and the static ambient pressure for controlling and varying the respective mutual inductances of said plurality to provide in the output a signal indicative of the thrust.

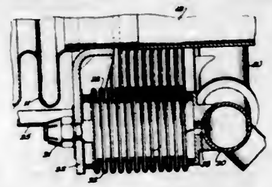
2,579,618
INDICATOR LAMP ASSEMBLY FOR MULTI-CIRCUIT ELECTRIC APPLIANCES
Donald W. Seofield, Detroit, Mich., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 12, 1949, Serial No. 87,040
7 Claims. (Cl. 177—329)



1. An indicator lamp assembly comprising a supporting strip having an aperture formed therein, a lamp bracket having resilient arms engaging opposing sides of said aperture in resilient gripping engagement, a plurality of lamps secured within said lamp bracket and connected to the various operating circuits of an appliance, shielding means also engaging said supporting strip to direct light from said lamp to a desired spot, and visual indicating means associated with each of said lamps for indicating those circuits which are energized.

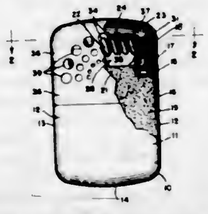
2,579,619
FLEXIBLE TAIL PIPE FOR JET ENGINES
Ashton T. Scott, Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1949, Serial No. 132,968
5 Claims. (Cl. 285—1)

3. A reinforced flexible connection between a stationary duct and a deflectable duct; said flexible connection comprising a deflectable bendable conduit between said ducts; a support member on said deflectable duct; a stationary support member at said stationary duct; tie rods between said support members extending across said flexible connection; a plurality of extensible containers between said last mentioned support and said hollow member; each container communicating with the hollow member; a substantially incompressible fluid filling said hollow member and containers, bending said ducts at said flexible



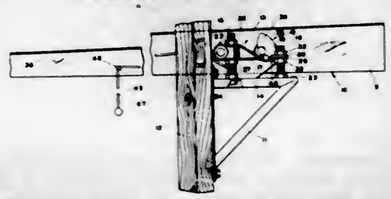
connection, extending said containers at the inside of the bend and contracting the containers at the outside of the bend while maintaining the volume of the hollow member and containers the same.

2,579,620
HAND WARMER
John W. Smith, Minneapolis, Minn.
Application May 8, 1948, Serial No. 25,960
8 Claims. (Cl. 126—208)



1. In a hand warmer, a receptacle for a volatile liquid fuel and having a discharge outlet for the fumes emanating from the fuel, a burner superimposing the outlet of said receptacle, said burner including a support and an elongated fibrous combustion promoting element mounted on said support and formed with spaced convolutions providing passageways therebetween and through which the fumes may pass.

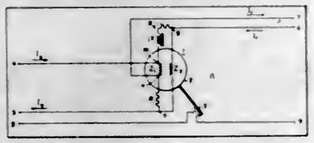
2,579,621
SAFETY LATCH
Wesley A. Smith, Ferndale, Mich., assignor to Tilt-A-Door Corporation, Ferndale, Mich., a corporation of Michigan
Application June 10, 1947, Serial No. 753,722
9 Claims. (Cl. 292—133)



6. In overhead, horizontally pivoted, door construction, safety latch structure comprising in combination: a pin parallel to the axis of movement of said door and extending sidewardly therefrom; latch support means pivotally supporting a latch and mounted fixedly with respect to the axis of movement of said door; a latch having a latch closing arm and a pin hooking arm spaced for reception of said pin therebe-

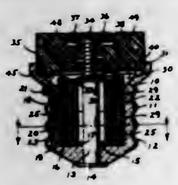
tween; latch pivot means pivotally supporting said latch upon said latch support means, said latch pivot means being located with respect to the pivot point of said door a distance greater than the corresponding distance of said pin and further located so that when said door is in open position a first reference line from said pivot point centrally through said pin makes an acute angle with a second reference line from said door pivot point to said latch pivot means.

2,579,622
PRODUCT-TYPE RELAY
William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1950, Serial No. 169,235
10 Claims. (Cl. 175—294)



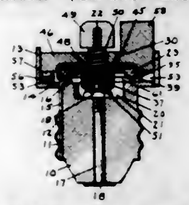
1. A product-responsive relaying element having two windings, means for providing two input-circuits for said relaying element, and a phase-shifting energizing-network connected to the two input-circuits and causing each input-current to be divided into two dissimilar components, the components being respectively leading and lagging, said network including connections whereby one of said relay-windings is energized with a phase-retarded component divided from the first input-current, and a phase-advanced component divided from the second input-current, while the other relay-winding is energized with a phase-advanced component divided from the first input-current, and a phase-retarded component divided from the second input-current.

2,579,623
MULTIPLE REPLACEABLE UNIT FUSE
William T. Stanley, Indianapolis, Ind.
Application January 19, 1950, Serial No. 139,445
4 Claims. (Cl. 200—125)



2. A multiple link fuse element comprising a cylindrical sleeve of insulating material; a plurality of fuse links extending longitudinally of and in circumferentially spaced apart positions around the outer face of said sleeve, the ends of said links in each instance being folded over the ends of the sleeve and into the bore thereof; a second sleeve of insulating material entered into one end of said first sleeve compressibly engaging and retaining the ends of the links overturning that first sleeve end between the two sleeves.

2,579,624
REPLACEABLE MULTIPLE UNIT FUSE PLUG
William T. Stanley, Indianapolis, Ind.
Application January 5, 1951, Serial No. 204,509
5 Claims. (Cl. 200—125)



4. In a multiple fuse unit, a fuse element comprising an insulating body generally disc-like in shape having upturned and downturned annular flanges around its periphery; said body having a central hole therethrough; a plurality of partition walls extending radially from said hole to said upturned flange to define compartments therebetween; a fuse member comprising a central contacting plate, a plurality of legs radiating and turned upwardly from the plate to define a thimble extending through said body hole; each of said legs extending laterally across the body from the hole across one of said compartments, across said upturned flange, downwardly, and back under said downturned flange, and upwardly inside thereof by a terminal end to present a contact area under that flange.

2,579,625
FLUID DISCHARGE GUN
Walter W. Taylor, Oakland, Calif.
Application January 14, 1949, Serial No. 71,009
2 Claims. (Cl. 299—112)

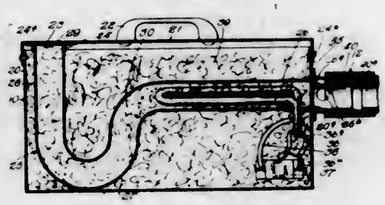


1. In a fluid discharge gun, a straight length of pipe having a nozzle coupling at its front end and a hose coupling at its rear end, a hand hold mounted upon the pipe intermediate the length thereof and having a forward end located substantially midway of the pipe and a rear end spaced from the rear end of the pipe so as to leave a rear section of the pipe unobstructed, the hand hold comprising a sleeve surrounding the pipe and having an inner diameter greatly in excess of the outer pipe diameter so as to provide insulating space between the sleeve and the pipe and having spaced braces for anchoring the ends of the sleeve to the pipe with freedom of access of outside air to the space between the sleeve and the pipe, and a second hand hold comprising a sleeve revolvable upon the rear pipe section forwardly of the hose coupling and a handle projecting from said sleeve sidewise and having a substantially straight gripping section disposed rearwardly of the coupling and extending parallel to the pipe, with the front end of the gripping section located substantially in the transverse plane of the hose coupling.

2,579,626
VAPORIZER
Kenneth C. Thompson, Lyons, Ill.
Application September 14, 1949, Serial No. 115,738
14 Claims. (Cl. 219—38)

1. A vaporizer of the character described, comprising: a power unit for providing a flow of air,

said unit including motor means; vaporizing means including an air passage and reservoir for material to be vaporized, means for heating air flowing through said passage, and means in said passage for increasing the surface area of the

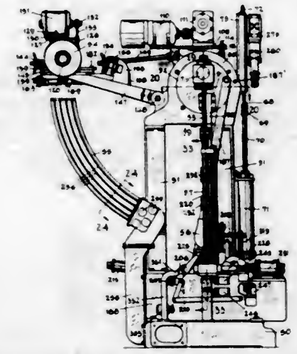


material to be vaporized, this last means being of heat-conductive material for heating the material to be vaporized; and readily removable means providing an air connection between said unit and said air passage.

2,579,627
DEFLECTION SYSTEM
Simeon I. Tourshou, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 22, 1950, Serial No. 169,656
16 Claims. (Cl. 315—27)

1. In an electromagnetic cathode ray deflection system employing a deflection yoke in combination, a source of deflection signal, an output tube having at least an anode, cathode control electrode and supplementary electrode interposed between said anode and said control electrode, connections for applying the output of said deflection signal source to said control electrode, an output circuit connected between said anode and said cathode, said output circuit including means for coupling electrical variations developed therein to the deflection yoke, a source of positive biasing potential having its negative terminal connected with said output tube cathode, an impedance having a resistive component connected between said supplementary electrode and the positive circuit of said biasing potential source whereby to introduce degeneration in the deflection system, a capacitor connected in shunt with at least a portion of said impedance to form a time constant combination, and means for varying the value of the time constant of said time constant combination such as to control the amount of degeneration present in said system.

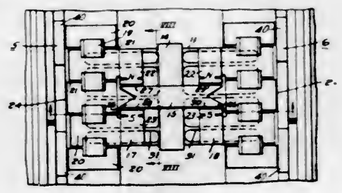
2,579,628
GLASS BLOWING APPARATUS
Albert F. Tremblay, Toledo, Ohio, assignor to Kent-Owens Machine Company, Toledo, Ohio, a corporation of Ohio
Application October 18, 1945, Serial No. 623,111
15 Claims. (Cl. 49—20)



2. In combination, a blow pipe holder, a marvering disc, means to rotate a pipe in the holder, means to rotate the disc, means mounting the disc with its axis approximately normal to the axial line of the pipe, and means to reciprocate the disc on its mounting towards and from the axis of the blow pipe in a right line.

11. A glass blowing apparatus of the semi-automatic type comprising a holder adapted to receive a blow pipe with a gather thereon, means to move the holder to swing a blow pipe therein from marvering position to blowing position, means providing a plurality of slits parallel with each other and with the path of movement of glass on the pipe as it is swung between said positions, said slits being in position to direct air towards said path, and separate means to control the supply of cooling air to said slits.

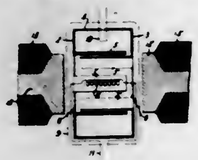
2,579,629
TORSION METER SYSTEM
Lester G. Tubbs, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1947, Serial No. 776,605
16 Claims. (Cl. 73—136)



1. Apparatus for measuring the work being transmitted by a rotating shaft comprising a rotor structure, a stator structure, said rotor structure having parts, including magnetizing parts, providing a main magnetic circuit, said rotor and stator structures having parts cooperating to provide an auxiliary magnetic circuit connected with said main circuit, an armature on said rotor structure for controlling the diversion of flux from said main circuit into said auxiliary circuit, means responsive to the torque on said shaft for controlling the operation of said armature such that the flux diverted into said auxiliary circuit

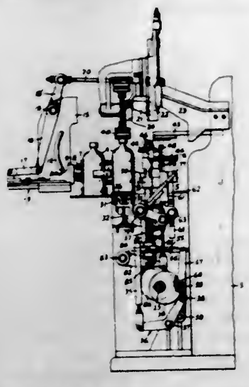
will provide a flux density therein directly proportional to torque, the flux density in said auxiliary circuits being zero when there is no torque on said shaft, and means responsive to the flux in said auxiliary magnetic circuit and to the speed of said shaft for indicating the work being transmitted by said shaft.

2,579,630
MICROWAVE GENERATOR
Hans Jakob von Baeyer, Baden, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application July 15, 1948, Serial No. 38,900
In Switzerland July 30, 1947
6 Claims. (Cl. 315—39)



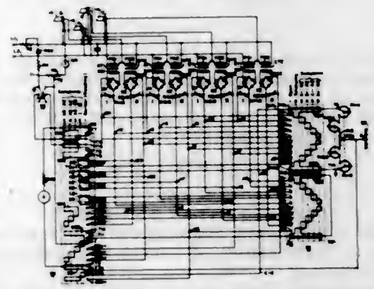
1. A high frequency generator comprising a cathode, an annular resonator surrounding said cathode coaxially, said resonator including spaced end walls and bounded in a radial direction by an outer cylindrical wall and an inner wall constituted by a cylindrical array of interfitting anode segments terminating in alternation on said end walls, and means located outside said resonator and so oriented as to produce a unidirectional magnetic field parallel to the cathode axis within the space defined by said anode segments, length of said cathode between said end walls being at least equal to the wavelength of the basic frequency produced by the generator.

2,579,631
MECHANISM FOR APPLYING LABELS
George W. von Hofe, Bound Brook, and Hans A. Nefzger, Hackensack, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application October 18, 1949, Serial No. 122,062
18 Claims. (Cl. 216—55)



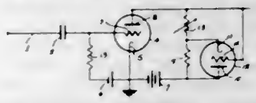
5. In a labeling machine, the combination of a support for an article, means for transferring a label from a label receiving position into applying relation to such article including a label carrying device, a shaft pivotally supporting said device, a slide carrying said shaft, means for reciprocating said slide within a predetermined range, and means for rotating said shaft during the reciprocal movement of said slide, and means for removing a label carried by said device and adhesively connecting it to the article.

2,579,632
ELECTRICAL STRAIN MEASURING APPARATUS
Milton P. Vore and Maurice J. Gelpi, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 11, 1950, Serial No. 143,741
5 Claims. (Cl. 73—88.5)



1. Apparatus responsive to the sum of the strains of at least two elements subject to stress comprising, in combination, at least two electric strain gauges, one for each of said elements; means securing said electric strain gauges to respond to the stress of the corresponding one of said elements, each of said strain gauges comprising a pair of electrical circuits and means responsive to the strain of its element for controlling the electrical characteristics of the circuits, said circuits being electrically balanced for a given strain in the corresponding element and being unbalanced by the strain responsive means upon the occurrence of strain in its element different from the given strain, unidirectional voltage producing means connected with each electrical circuit of each electric strain gauge, the unidirectional voltage producing means for each gauge producing opposed voltages, a bridge circuit including corresponding unidirectional voltage producing means of each electric strain gauge in series in adjacent legs thereof, and circuit means responsive to the unbalance of said bridge circuit.

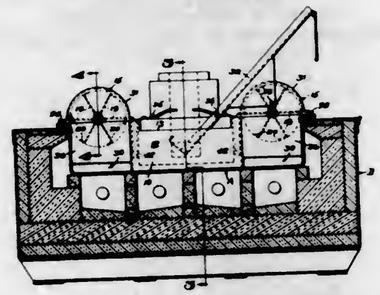
2,579,633
VARILOAD AND VARIBIAS CIRCUITS
Le Roy J. Wadzinski, Chicago, Ill.
Application March 1, 1946, Serial No. 651,405
1 Claim. (Cl. 250—27)



A signal amplifier of the class described comprising a first electron tube having a cathode, a plate and a control grid, means connected between said control grid and cathode biasing said tube for amplifier operation, a direct current source having its negative terminal connected

to said cathode, a variable resistor and a fixed resistor connected in series respectively between said plate and the positive terminal of said source and defining purely resistive path for the plate current of said tube, and a second electron tube having a cathode, a plate and a control grid, said last-named cathode being connected to the junction of said resistors, said last-named plate being connected to said positive terminal and said last-named grid being connected to the plate of said first tube, said second tube being arranged to define a variable impedance across said fixed resistor which has a high value during the positive rise of a pulse applied to the grid of the first tube and a low value at points of low or negative potential of said pulse, whereby an amplified pulse voltage is obtained across the plate and cathode of said first tube whose amplitude may be controlled by adjusting the value of said variable resistor.

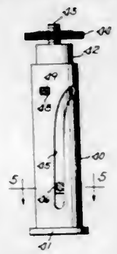
2,579,634
MOLTEN BATH FURNACE
Gilman G. Warren, Braintree, Mass., assignor to American Electric Furnace Inc., Boston, Mass., a corporation of Massachusetts
Application May 7, 1949, Serial No. 91,893
2 Claims. (Cl. 266—33)



1. In a molten bath furnace, a dipping chamber to contain molten material, a separate reservoir chamber to contain said molten material, means for overflow of said molten material from said dipping chamber to said reservoir chamber to predetermine the maximum depth of said molten material in said dipping chamber, a well in communication only at its botton with the bottom portion of said dipping chamber and not in communication with said reservoir chamber, and pump means operable to elevate said molten material from said reservoir chamber and to deliver it to said well for passage through the latter to the bottom of said dipping chamber to maintain an overflow of said molten material from said dipping chamber to said reservoir chamber, thus to maintain said molten material in said dipping chamber, at a substantially constant level, without disturbance of the surface of said molten material in the dipping chamber.

2,579,635
CAMERA TRIPOD HEAD
Dewey S. Weiss, Portland, Oreg.
Application February 14, 1949, Serial No. 76,324
6 Claims. (Cl. 95—86)

1. A mounting device for supporting a camera in such fashion that vertical and horizontal parallax between the camera sighting device and the lens of the camera may be corrected, comprising a pair of elongated, telescoping members, each projecting beyond the other, one of said members having an indicator thereon and the other of said members having a plurality of indicia thereon adapted to register successively with said indicator as said members are shifted longitudinally relative to each other, said members being relatively rotatable, one of said members having a guideway formed thereon, said guideway curving spirally at an increased rate toward the end from which the other of said members projects, and the other of said members having a pin thereon projecting into said guideway to rotate said members relative to each other as they are shifted longitudinally relative to each other.



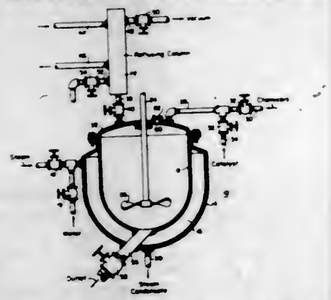
2,579,636
ELECTRODEPOSITION OF NICKEL
Louis Weisberg, Stamford, Conn.
No Drawing. Application August 27, 1948, Serial No. 46,560
11 Claims. (Cl. 204—49)

1. The method of electrodepositing nickel to produce smooth, ductile, easy-buffing deposits which comprises electrolyzing a body of a solution containing as essential constituents nickel sulphate 120 to 400 grams per liter, nickel chloride 15 to 60 grams per liter, formic acid 5 to 30 grams per liter, and boric acid from 30 to 40 grams per liter, the solution being free of ammonia and ammonium salts in amount which will deleteriously affect the smoothing action of the deposited nickel, and free from impurities in amounts of not more than 5 milligrams per liter of aluminum, nor more than 1 milligram per liter of chromium, not more than 20 milligrams per liter of copper, and not more than 1 milligram per liter of ferrous iron, purifying said body of solution with respect to said impurities, the frequency of said purification and the extent thereof being such as to maintain the purity of the solution, during electrolysis, within said limits, maintaining the pH of the solution, during electrolysis, between 2 and 4, and discontinuing the electrolysis before the electrodeposited nickel has exceeded a thickness substantially greater than 0.003 inch, whereby deposits are obtained which are ductile, easily buffed, and have a surface substantially smoother than the surface of the cathode on which they are deposited.

2,579,637
PHENOLIC RESIN COMPOSITION AND PRODUCTS PRODUCED THEREFROM
William C. Weltman and Cyril J. Straka, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1949, Serial No. 124,412
6 Claims. (Cl. 260—29.3)

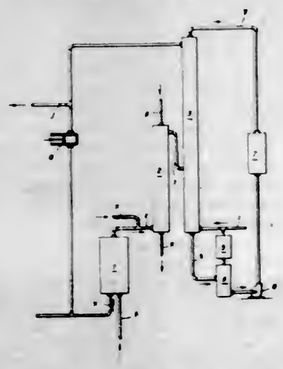
1. A relatively stable phenolic varnish composition comprising a solution of from 15 to 25

parts by weight of water and from 85 to 75 parts by weight of a potentially reactive, thermosettable, phenol-aldehyde resin, the varnish derived by refluxing in the presence of water one mol of phenol, from 1 to 1.25 mols of an aldehyde selected from the group consisting of formaldehyde and reactive polymers of formaldehyde, and from 0.2% to 5% by weight, based on the weight of the phenol, of an alkaline catalyst selected from the group consisting of alkali metal and alkaline-earth metal oxides and hydroxides and alkali metal carbonates, the water



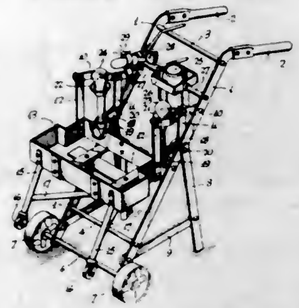
being equal to at least 10% of the weight of the reactants and not exceeding five times the weight of the reactants, the refluxing being carried out for from ½ to 2 hours until the viscosity of a 50% water solution is above 50 centipoises, then dehydrating the reflux product under a vacuum of from 15 to 28 inches of mercury and a temperature of from 80° C. to 125° C. until a substantially water-free phenolic resin of a viscosity of from 1,000 to 12,000 centipoises is produced, and finally adding only from 15 to 25 parts of water to each 85 to 75 parts by weight of the resin to produce the solution.

2,579,638
PRODUCTION OF ACRYLIC NITRILE
Jean-Paul Zwilling, Henri Bassoli, and Camille Granger, Salindres, France, assignors to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques, a corporation of France
Application January 9, 1950, Serial No. 137,512
In France January 12, 1949
2 Claims. (Cl. 260—465.3)



1. In a process for obtaining acrylic nitrile from the reaction of acetylene with hydrocyanic acid in the presence of an aqueous solution of a cuprous salt followed by water washing of the residual gases of reaction, that improvement, which comprises introducing the mixture of reaction vapors containing acrylic nitrile, acetylene, vinylacetylene and divinylacetylene with steam at a temperature between 70–100° C. at the base of a rectifying column fed at the top with wash water, the flow and temperature of the wash water at the top of said column and the mixture of vapors and steam at the bottom of the column being adjusted so that a water solution of acrylic nitrile flows out of the base of the column at a temperature between about 20 and 40° C., said solution being practically free of acetylene, vinylacetylene and divinylacetylene and rectifying the acetylene, vinylacetylene, and divinylacetylene residual gas mixture obtained at the top of the rectifying column in the presence of a counter flowing mineral oil solvent for vinylacetylene, said mineral oil having a boiling point between 150 and 300° C. and which is saturated with sulphur, the temperature of the mineral oil solvent for vinylacetylene being maintained near the boiling point of vinylacetylene whereby substantially pure acetylene free from vinylacetylenes, is obtained at the top of the rectifying column and a concentrated solution of vinylacetylene is obtained at the bottom of the rectifying column.

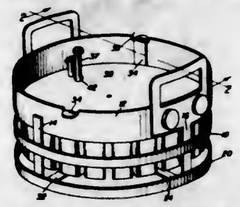
2,579,639
BATTERY CART
Charles A. Adams, Tampa, Fla.
Application March 15, 1949, Serial No. 81,540
2 Claims. (Cl. 280—53)



1. In a cart for transporting storage batteries and other heavy articles, a pair of spaced parallel frame members rearwardly inclined in the normal position of the cart, wheels mounted at the lower ends of the frame members, brackets secured to and projecting forwardly from the frame members and braced therefrom, a carrying tray pivotally suspended from the outer ends of said brackets, means on the frame and tray members arranged for cooperative interengagement in the normal position of the cart to maintain the tray in a substantially horizontal position, support legs on the carrying tray adapted to engage the ground and support said tray in a lowered horizontal position upon tilting the cart about the wheels in the forward direction, and a rack for a water jar pivotally suspended intermediate said frame members.

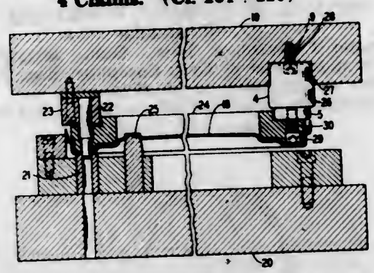
2,579,640
MOLD FOR FORMING A PRECUT ICE CREAM CAKE
Frank Adams, Brooklyn, N. Y.
Application July 21, 1950, Serial No. 175,159
1 Claim. (Cl. 107—19)

An ice cream cake mold comprising an annular pan having diametrically opposite notches in its upper edge, a plurality of spaced, radial, segmental chambers depending from the bottom of the pan, a removable apertured stripping disc resting on the pan bottom and closing the chambers, angular lift handles rising from the periphery of the stripping disc and engaged in the



notches, a circular plate mounted for vertical movement on the stripping disc, and impaling pins on said plate operable in the apertures of the stripping disc and engageable in the chambers.

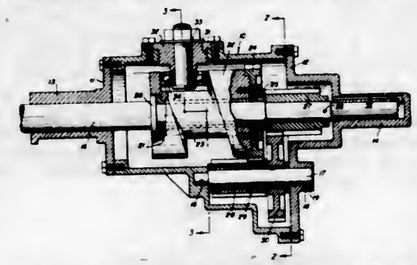
2,579,641
SPRING UNIT FOR STRIPPER DEVICES
Harry J. Aldrich, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application October 14, 1947, Serial No. 779,829
4 Claims. (Cl. 164—110)



1. A spring unit comprising a pair of telescoping cup members, a coil compression spring mounted within said cups with its ends resting upon the bottom walls of said cups, opposed holes in the bottom walls of said cups axially aligned with each other and with the coil spring, the inner cup having a circumferential outwardly projecting flange around the rim of its side wall and the outer cup having an inwardly projecting flange around the rim of its side wall interengaging beneath the flange on the other cup member, the distance between the bottom walls of said cups when their respective flanges are in abutting relation being less than the axial length of said spring whereby the spring is preloaded and an internally threaded bushing fixed within and to the bottom wall of one cup with a threaded opening aligned with the opening in the bottom wall of the said cup, and a cap screw loosely positioned in the opening in the other of said cups and with its head within said other cup and aligned with said openings in said one cup and bushing whereby said cap screw can be turned by passing an instrument through the openings in the said one cup and said bushing.

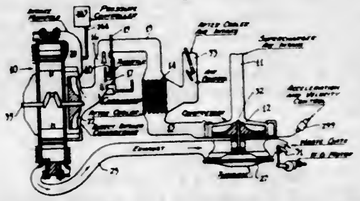
2,579,642
MECHANICAL MOVEMENT
Carl Otto Bachman, Watertown, N. Y.
Application October 12, 1948, Serial No. 53,998
1 Claim. (Cl. 74—22)

A mechanical movement comprising a casing having removable end plates, a bearing sleeve integrally formed with and projecting outwardly from each end plate, said bearing sleeves being coaxial and one of said bearing sleeves being closed, a main shaft having an end portion slidably and rotatably supported in said bearing sleeves, a thrust collar fixed to said end portion of said main shaft and located within said casing, a sleeve member journaled for rotation on said end portion of said shaft and disposed entirely within said casing in spaced relation to said end plates, said sleeve member having first and second ends and a peripheral cam groove, the first end of said sleeve member abutting said thrust collar, said casing having an opening therein in registry with said sleeve member, a plug removably secured to said casing and received in said



opening, a stud carried by said plug, an antifriction bearing supported on the stud, said antifriction bearing being received in said cam groove, a counter-shaft rotatably supported in the casing and paralleling the main shaft, a drive gear secured on said countershaft, a driven pinion also secured on said counter-shaft, a drive pinion fixed on the said end portion of said main shaft and meshing with said drive gear, and a driven gear secured to the second end of said sleeve member and meshing with said driven pinion, whereby rotation of said main shaft will cause rotation of said driven shaft and said sleeve member to impart axial sliding movement to said main shaft.

2,579,643
MANUAL AND AUTOMATIC CONTROL APPARATUS FOR COMBUSTION ENGINES
Albert E. Baak, Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 21, 1943, Serial No. 483,901
14 Claims. (Cl. 60—13)

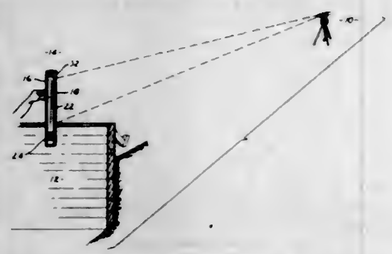


9. Apparatus for controlling the pressure in the intake manifold of an internal combustion engine provided with a throttle for regulating the supply of air to said manifold, and a compressor driven by a turbine powered with exhaust gases from said engine, comprising in combination, first motor means for driving said throttle, means for controlling the compression ratio of said compressor, second motor means for driving said compression ratio controlling means, means for controlling said first and second motor means in-

cluding a device responsive to the pressure in said intake manifold, said controlling means being responsive to an operation of said device indicative of a decrease in said pressure first to control said first motor means to open said throttle and thereafter to control said second motor means to increase said compression ratio, means for adjusting the pressure value at which said throttle and compression ratio controlling means are maintained in predetermined positions, a manually movable member for operating said adjusting means, and means for disconnecting said first motor means from said throttle and for connecting said throttle to said manually movable control member for operation thereby.

14. A throttle control system comprising, in combination, manual and electric means for moving said throttle to provide a desired manifold pressure, a single clutch apparatus movable to interconnect either said manual moving means or said electric moving means with said throttle, said clutch apparatus being so constructed as to be effective upon disconnection of said electrical means and connection with said throttle for causing said manual moving means to indicate the position of said throttle.

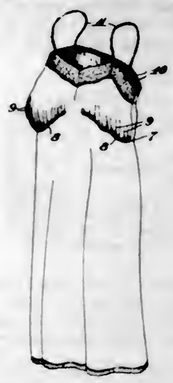
2,579,644
SURVEYING TARGET
Raymond D. Bergman, Long Beach, Calif.
Application February 9, 1948, Serial No. 7,257
1 Claim. (Cl. 33—74)



A surveying target comprising an elongated, transparent panel having a single, median hair line thereon and extending longitudinally thereof, and an elongated marking guide slot near one end of the panel in alignment with said hair line; an opaque block on the opposite end of the panel and provided with a polygonal opening; a peripheral frame for the panel and the block, said frame being U-shaped in cross-section, presenting opposed legs overlapping the marginal edges of the panel and the block; and plumbing means including a tubular, bubble indicator secured to the block within said opening, perpendicular to said line and centered with respect thereto.

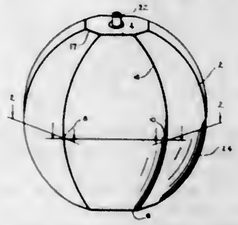
2,579,645
MATERNITY GARMENT
Erwin M. Brachfield, Los Angeles, Calif.
Application July 15, 1949, Serial No. 104,854
1 Claim. (Cl. 2—76)

A maternity garment of the character referred to including a garment proper having an elastic across the back at the waist line, with the material in the back gathered together on said elastic, and attached at the opposite sides of said back to the opposite ends of said elastic, whereby said elastic can be extended at both ends toward the front, to permit the front of said garment to expand generally over the abdomen as required, the front of said garment having a seam extended from each end of said elastic forwardly and upwardly in the front toward the middle



thereof and the material along each of said seams being gathered, whereby to form two separate pocket-like coverings for the breasts.

2,579,646
METHOD OF FORMING SPHERICAL CONTAINERS
Raymond J. Branson, Tulsa, Okla., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla., a corporation of Oklahoma
Application June 30, 1947, Serial No. 758,149
2 Claims. (Cl. 29—148.2)

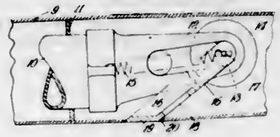


1. The method of forming a spherical container which consists of constructing a closed body from a plurality of longitudinally curved welded segments of a substantially flat transverse contour, closing the opposite ends of the welded segments with a polygonal shaped plate having the largest diametrical dimension thereof substantially equal to the largest transverse dimension of the said segments to form a closed body of polygonal shape in cross section, and expanding the closed polygonal body with internal hydraulic pressure to reshape the body into a spherical configuration.

2,579,647
ROTARY WING AIRCRAFT
Reginald A. C. Brie, Twickenham, England
Application April 1, 1947, Serial No. 738,530
In Great Britain August 30, 1945
12 Claims. (Cl. 244—17.17)

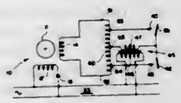
12. A rotary-winged aircraft having a bladed lifting or sustaining rotor whose blades extend radially from a hub, at least one blade having a picketing-eye member movable relative to said blade between an extended position in which the picketing eye projects from the blade for use in

picketing the aircraft and a retracted position in which said picketing eye is withdrawn within the blade during flight, and means responsive to ro-



tor speed for moving said member automatically to said retracted position when said rotor speed exceeds a critical value.

2,579,648
ELECTRICAL MOTOR CONTROL APPARATUS
Alex B. Chudyk, St. Louis Park, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 21, 1949, Serial No. 77,473
1 Claim. (Cl. 318—207)



Motor control apparatus comprising in combination; a two-phase reversible induction motor of the capacitor type having two energizing windings, an alternating current power source, means connecting a first of said windings to said source through a capacitor so that the voltage across said winding is displaced in phase with respect to said source and substantially greater in value than said source, a center tapped autotransformer winding connected across the other motor winding and having primary portions extending over not more than half of the entire winding, a pair of switches one for each desired direction of rotation of said motor, means for obtaining from said power source a voltage of such value that when applied to a primary portion of said autotransformer, the voltage across the total winding of said autotransformer is substantially equal to that across said first of said motor windings, and a pair of low voltage controlling circuits each including said voltage obtaining means, one of said switches, and one of the primary portions of said autotransformers.

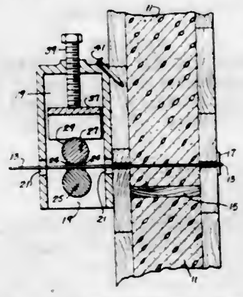
2,579,649
JACK HEAD FOR FLAT KNITTING MACHINES
Arthur J. Cobert, Chattanooga, Tenn., assignor of one-half to Bryan F. F. Mills, Inc., Chattanooga, Tenn., a corporation
Application August 11, 1950, Serial No. 178,881
15 Claims. (Cl. 66—110)

1. A striking jack for a full fashioned knitting machine having a forward edge provided with a striking face, said edge being slotted for the pivotal mounting of said jack, characterized by an additional slot in said forward edge forming a



shoulder for engagement with a rebound checking member.

2,579,650
TIE WIRE CLAMP
Patrick Joseph Corcoran, Memphis, Tenn.
Application April 5, 1950, Serial No. 154,078
4 Claims. (Cl. 254—29)



4. Clamping means adapted for use with a form tie wire comprising a hollow housing having opposite slots in its sides, a cylindrical roller member, a cylindrical traction member, said members being positioned within said housing and having end portions of reduced size slidably and rotatably supported by the slots in the sides of said housing, said traction member being provided with a corrugated traction zone, a follower within said housing perpendicular to one of said rotatable members and slidable in said housing, said follower having a seat and spaced legs extending from said seat, said legs being respectively seated on said one rotatable member, thrust means adjustably engaging said housing and extending into abutment with said follower seat to force said follower into engagement with said one rotatable member.

2,579,651
V-TYPE DITCHER
Anthony R. Coviello, Tulare, Calif.
Application April 29, 1947, Serial No. 744,648
2 Claims. (Cl. 37—98)



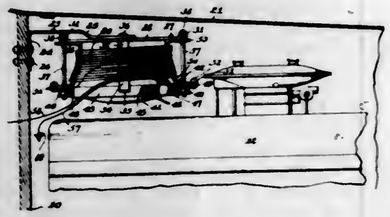
1. In ditchers of the type described, a shaft journaled therein substantially aligned with the normal direction of movement of said ditcher, clamps borne by the forward end portion of the shaft adapted to embrace a draft appliance, a pair of circular plates having juxtaposed openings formed therein near their peripheries positioned coaxially on the shaft in fore and aft adjacent relation, the forward thereof being affixed to the ditcher and the rearward thereof affixed

to the shaft, and a pin member receivable by the juxtaposed openings of the plates to secure the plates in adjusted rotational position.

2,579,652
PUMPABLE POWDERED ASPHALT SUSPENSION
Harold F. Dague, South Gate, Calif., assignor to Asphalt Specialties Co., North Long Beach, Calif., a partnership
No Drawing. Application January 12, 1948, Serial No. 1,766
4 Claims. (Cl. 106—277)

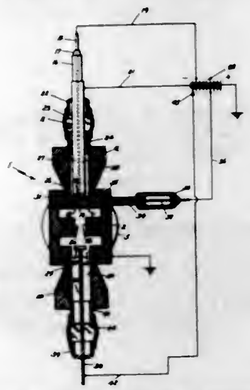
1. A readily pumpable powdered asphalt suspension of the character described, containing between about 50% and 65% by weight of powdered asphalt, between 50% and 35% of water, and from about 0.5% and 3% of an oil soluble, anionic surface-active sulfonate.

2,579,653
AUXILIARY LIGHT FOR AUTOMOBILES
Leonard Dawley, Collins, N. Y.
Application September 9, 1947, Serial No. 772,947
7 Claims. (Cl. 240—8.18)



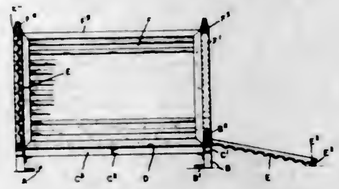
1. An emergency light for automobiles, comprising an elongated member having loops at opposite ends, an inverted U-shaped member depending from said elongated member and disposed at an angle thereto, means for attaching said elongated member to a part of the automobile, depending clamping rods pivotally connected at their upper ends to said loops, a light carrier comprising a split annulus having outstanding lugs at diametrically opposite points and spacing members between said annulus and said elongated member having outstanding lugs at their upper ends bearing against the underside of said elongated member and provided with slots through which said clamping rods are passed and lugs at their lower ends, the lugs of said annulus and the lugs at the lower ends of said spacing members being slotted to receive said clamping rods, said clamping rods having their lower ends threaded, nuts applied to said threaded lower ends impinging against the undersides of the lugs of said annulus; a light unit clamped within said annulus, and current-conducting wires connected to said light-unit and wound around said spacing members and said inverted U-shaped member and having connection with the battery of the automobile, said current-conducting wires being connected to the ammeter of the automobile and having a switch therein by means of which said light-unit may be controlled, said current-conducting wires being arranged to be uncoiled from said spacing member and said inverted U-shaped member so that upon loosening said clamping rods said light-unit and light carrier may be moved to any desired position permitted by the uncoiled lengths of said current-conducting wires.

2,579,654
ELECTRON-DISCHARGE DEVICE FOR MICROWAVE AMPLIFICATION
Palmer P. Derby, Weston, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 4, 1947, Serial No. 752,
17 Claims. (Cl. 315—39)



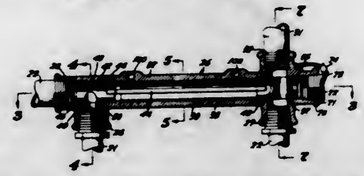
1. In combination, a waveguide through which an electromagnetic wave may be propagated, said waveguide having a portion of constricted cross-section, means adjacent said waveguide for injecting a substantially uniformly cylindrical cloud of electrons into said constricted portion, the outer diameter of said cloud being substantially equal to the internal dimension of said waveguide at said constricted portion, and means adjacent said waveguide for applying a force to move the electrons of said cloud in a direction having a component tangent to the circumference of a cross-section of said cylindrical cloud.

2,579,655
COLLAPSIBLE CONTAINER
Archibald Donald, Detroit, Mich., assignor to Gabriel Steel Company, Detroit, Mich., a corporation of Michigan
Application June 27, 1949, Serial No. 101,538
3 Claims. (Cl. 220—6)



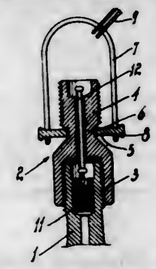
3. A collapsible container comprising, a base section having vertical hollow posts at the corners thereof with vertical slots in the sides of said posts which are opposite sides of other of said posts, a hollow frame connecting said posts intermediate the upper and lower ends thereof and below said slots, and a bottom plate supported on said frame; side sections each extending between a pair of said posts having adjacent to its lower edge non-detachable pivot pins extending into the registering slots of said posts to form a vertically movable hinge connection thereto and permitting of successively folding said side sections over said base and stacking thereon, certain of said side sections having hollow post portions rigid therewith complementary to the corresponding base posts, the upper ends of said hollow post portions having open slots in the sides thereof adjacent to another side section, caps at the upper ends of said base section posts and also said hollow post sections for coupling engagement with superposed hollow posts, and headed pins non-detachably secured to certain of said side sections for engagement with the open slots of said hollow post sections to interlock adjacent side sections with each other.

2,579,656
BY-PASS METER BAR
Courtney C. Douglas, Arcadia, and Walter L. Thrall, South Pasadena, Calif., assignors to The Deutsch Company, Los Angeles, Calif., a partnership
Application January 31, 1949, Serial No. 73,744
8 Claims. (Cl. 73—201)



1. For a meter of the character described having an inlet connection at one side thereof and an outlet connection at the other opposite side thereof, a combined support and by-pass comprising an elongated tubular housing having connecting means at opposite ends thereof for connection to said inlet and outlet connections, a fluid supply inlet and outlet also at opposite ends of said housing, valve means at each end of said housing interconnected for simultaneous operation, said valve means in one position connecting said fluid supply inlet and outlet through said tubular housing while closing off the meter inlet and outlet connections and in another position connecting said fluid supply inlet and outlet through said meter inlet and outlet connections while closing off said by-pass to fluid flow therethrough at the fluid supply outlet end thereof, the said elongated tubular housing being in fluid communication with said fluid supply inlet in both positions of said valve means.

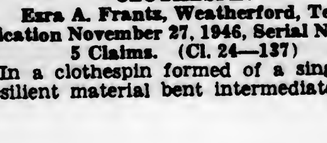
2,579,657
VALVE STEM GUIDE WITH AIR INLET
Max M. Douglas, Long Beach, Calif.
Application December 8, 1947, Serial No. 790,280
1 Claim. (Cl. 152—415)



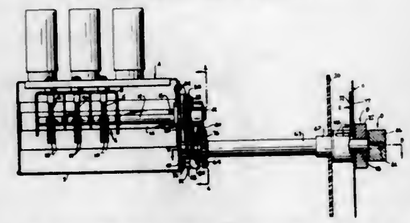
A valve stem guide with an air inlet comprising an internally threaded cap adapted to screw onto a valve stem, an externally threaded nipple integrally formed with said cap, a reduced diameter neck formed between the cap and the nipple, a ring surrounding the neck and rotatable thereon, a bail pivotally attached to the ring, and a chain attached to said bail.

2,579,658
3-METHYL-1-(1'-HYDROXY-2',6',6'-TRIMETHYLCYCLOHEXYL) - OCTA - 3,5-DIEN-1-YN-7-ONE AND PROCESS OF PREPARING SAME
Ronald Major Evans, Ickenham, England, assignor to Glaxo Laboratories Limited, Greenford, England, a British company
No Drawing. Application September 5, 1950, Serial No. 183,305. In Great Britain September 13, 1949
8 Claims. (Cl. 260—586)

1. As a new compound, 3-methyl-1-(1'-hydroxy - 2':6':6' - trimethylcyclohexyl) - octa - 3:5-dien-1-yn-7-one represented by the following structural formula



2,579,659
CONTROL AND DIAL ARRANGEMENT FOR MULTIBAND TUNING UNITS
Berne N. Fisher, Roselle, N. J., assignor to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey
Application January 20, 1950, Serial No. 139,733
21 Claims. (Cl. 116—124.1)

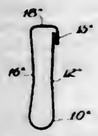


1. A multiband tuning unit comprising a first control member for band selection, a second control member for tuning within the band, an indicator operatively connected to said second control member for movement therewith over a limited degree of movement, and a scale operatively positioned with respect to said indicator so that the position of said indicator with respect to said scale will indicate the tuning status of the unit and operatively connected to said first control member for movement therewith, said scale bearing sets of indicia corresponding to the band selected by said second control member, said sets being spaced along separate sections of said scale, all of said sets being simultaneously visible, and said scale being movable by said first control member to bring the appropriate one of said sections into operative relation to said indicator.

2,579,660
CLOTHESPIN
Ezra A. Frantz, Weatherford, Tex.
Application November 27, 1946, Serial No. 712,695
5 Claims. (Cl. 24—137)

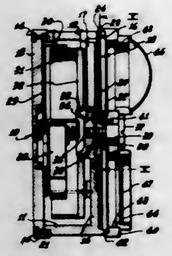
2. In a clothespin formed of a single length of resilient material bent intermediate its ends

and having front and rear members yieldingly urged away from each other by the resiliency of said bent portion, said rear member having a forwardly and reversely bent end with its reversely bent portion overlying the outer face of the corresponding end of said front member, said reversely bent end of the rear member and said corresponding end of the front member being yieldingly urged into engagement with each other and constituting the gripping areas of the pin,



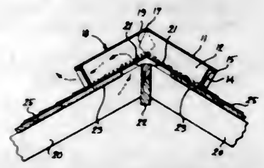
the major portion of the length of the outer face of said front member being exposed whereby pressure may be applied thereto adjacent its gripping area to force the same away from the reversely bent end of the rear member, and said reversely bent end of the rear member and the corresponding end of the front member having laterally interlocking portions preventing relative lateral movement of said members and also tending to retain an object between said gripping areas.

2,579,661
LIGHT MEASURING METER
Gertrude Elsbeth Freund, San Fernando, Calif., assignor to Photo Research Corporation, San Fernando, Calif., a corporation of California
Application April 28, 1949, Serial No. 90,074
5 Claims. (Cl. 88—23)



1. A compound meter for use in illumination engineering and in photography comprising: a cylindrical housing having front and rear walls and a window opening in its circumferential wall; a light-admitting port in the front wall radially spaced from the axis of the housing; a light-responsive cell within the housing in operative relation to the port; light-limiting means between the light-responsive cell and the light-admitting port; a rotatable drum within the housing and a rotatable carrier member externally of the housing coaxially mounted with respect to the housing and fixed for simultaneous rotation together; said carrier member having a plurality of light-modifying elements mounted thereon around the axis of said member for selective positioning in front of said light-admitting port, said rotatable drum having a scale-carrying flanged face visible through said window opening for reading a scale thereon, each scale being correlated to a light-modifying element operatively positioned with respect to the port; an index needle operatively associated with said cell and movable with respect to the scale positioned beneath the window; and means on the carrier member to engage means on the light-limiting means for automatically moving the light-limiting means into fully open position when certain of the ports are moved into operative relation before the light-admitting port.

2,579,662
VENTILATING DEVICE
Herbert Gibson, Toronto, Ontario, Canada
Application September 24, 1949, Serial No. 117,685
In Canada October 20, 1948
2 Claims. (Cl. 98—42)



1. A ventilating device comprising: a body portion of thin sheet metal having a rectangular top and end walls formed integrally therewith, flanges extending from said end walls at substantially right angles thereto, each of said flanges being formed with a transverse cut extending from its free edge to its edge that meets its related end wall, each of said end walls being formed with a cut that extends from the termination of said aforementioned cut in its related flange thereacross to its edge that meets said top, all of said aforementioned cuts being in a common plane with the longitudinal axis of said rectangular top whereby said top can be folded about its longitudinal axis to form a housing for a ventilator capable of being fitted over the peak of a roof.

2,579,663
PROCESS OF SYNTHESIZING HYDROCARBONS
William L. Gilbert and Charles W. Montgomery, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application December 15, 1948, Serial No. 65,527
5 Claims. (Cl. 260—449.6)

3. A process for the production of normally liquid hydrocarbons which comprises contacting a mixture in which the reactants consist of carbon monoxide and steam in a mol ratio of carbon monoxide to steam of about 1:1 to about 2:1 with a catalyst selected from the group consisting of an iron catalyst about 50 to about 100 per cent reduced from the oxide and a cobalt catalyst about 40 to about 80 per cent reduced from the oxide, at a pressure of about 100 to about 600 pounds per square inch, and at an elevated conversion temperature from about 500° to about 600° F., and recovering normally liquid hydrocarbons from the resulting reaction products.

2,579,664
SCALE
Vernon E. Gleasman, Elmira, N. Y.
Application December 6, 1945, Serial No. 633,212
7 Claims. (Cl. 33—107)

1. A layout scale, comprising a strip having generally parallel side edges with graduation markings extending thereacross; said side edges having series of evenly spaced notches therein respectively, having opposed transverse edges disposed perpendicularly to the longitudinal axis of the scale along which a scriber may be drawn, said notches extending from the same end of the



scale and terminating at substantially the center of the length of the scale, the remaining portions of the side edges being continuously straight edged; and said scale having an axially disposed slot extending therein parallel with the side edges of the scale.

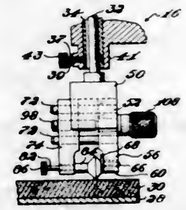
2,579,665
COLOR-KINESCOPES, ETC.
Milton W. Green, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1950, Serial No. 159,071
7 Claims. (Cl. 313—92)



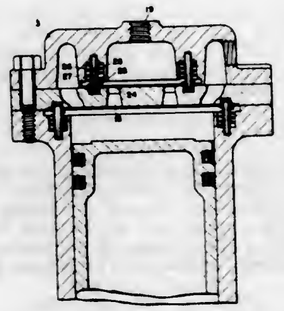
1. An electron-beam tube comprising an evacuated envelope containing; a foundation surface, a multiplicity of sub-elemental phosphor covered areas disposed in duplicate groups on said surface, an apertured target electrode mounted in spaced relation with respect to said foundation surface, the apertures in said target corresponding in outline to said groups of phosphor areas and disposed in register with respective ones of said groups, and the target surfaces that define the boundaries of said apertures comprising a secondary-electron emissive material; electron-gun means for selectively activating said secondary-electron emissive target surfaces, and electrode means for establishing in the space between said target and said foundation surface an electron-lens field for directing secondary-electrons from selected ones of said target surfaces to particular ones of said sub-elemental phosphor areas.

2,579,666
DIAMOND CUTTING MACHINE
Charles A. Hans, Wood-Ridge, N. J., assignor to Jewel-Smiths, Inc., Boston, Mass., a corporation of Massachusetts
Application March 20, 1948, Serial No. 16,015
2 Claims. (Cl. 51—229)

1. A dop for holding a diamond in juxtaposition to the grinding surface of a rotating skeif comprising a body portion secured to one end of a dop positioning spindle, and a diamond holding assembly mounted on said body portion, said assembly including a pair of relatively movable work holding jaws provided with work engaging elements, one of said jaws being fixed to the body portion, a pair of spaced parallel guides fixed at one end to the fixed jaw so as to be substantially perpendicular thereto, said other jaw having spaced openings therein to receive the spaced parallel guides to permit the movable jaw to slide freely to and from the fixed jaw, said work engaging elements being mounted on the jaws close to their free ends for rotation about eccentrically arranged parallel axes parallel to the guides, one of said elements having non-rotatable engagement with the pavilion of the diamond the axis of said one element being concentric with the pavilion engaging portion thereof and the other having a continuous flat surface for engagement with the table of the diamond, the center of said surface being eccentric to the center of rotation of said one element, and a stud journaled in one of the jaws and having threaded engagement with a threaded opening in the other jaw, said stud being rotatable to move the jaws to and from each other to clamp work between the work holding elements and to immobilize the elements.



2,579,667
SUCTION VALVE FOR RECIPROCATING COMPRESSORS
Lars Hanson, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application September 10, 1946, Serial No. 695,976
6 Claims. (Cl. 251—119)



1. In valve mechanism, the combination of port means disposed in a valve plate for the passage of fluid through the valve plate, a movable ring valve adapted to close the port means, a plurality of lugs integral with the ring and extending outwardly therefrom, springs engaging the lugs to hold the ring in position to close the port means, guide pins for said ring member, at least some of said pins fitting in orifices in said lugs, and a stop adapted to engage the lugs to limit the downward travel of the ring member.

2,579,668

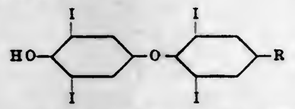
PREPARATION OF THYROXINE AND ITS DERIVATIVES

Benjamin Arthur Hems, Northolt, and John Charles Clayton, Southall, England, assignors to Glaxo Laboratories Limited, Greenford, Middlesex, England, a British company

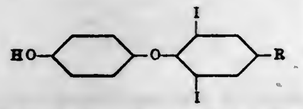
No Drawing. Application July 11, 1949, Serial No. 104,146. In Great Britain December 31, 1948

10 Claims. (Cl. 260—471)

1. A process for the preparation of compounds of the general formula:



in which a diiodo compound of the general formula



is reacted with iodine in a solvent selected from the group consisting of water, dioxan, lower aliphatic alcohols and mixtures thereof, in the presence of an organic base selected from the group consisting of piperidine, C-alkylpiperidines, morpholine and primary and secondary amines in which the groupings other than hydrogen attached to the nitrogen are selected from the group consisting of unsubstituted and hydroxy-substituted alkyl, cyclohexyl and alkylcyclohexyl groupings, all of said bases containing not more than eight carbon atoms, where R is a grouping selected from the group consisting of



and

in which X is selected from the group consisting of hydrogen, and methyl and ethyl groupings and Y is selected from the group consisting of hydrogen, and formyl, acetyl and a β-carboxy-propionyl groupings.

2,579,669

CATALYTIC ISOMERIZATION OF ACETYLENIC HYDROCARBONS

John C. Hillyer and Joseph F. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 6, 1948, Serial No. 63,846

7 Claims. (Cl. 260—678)

1. The process which comprises contacting a reaction mixture comprising hydrogen fluoride and an acetylenic hydrocarbon containing no more than 20 carbon atoms per molecule in a molar ratio less than 1:1 with a catalyst selected from the group consisting of aluminum oxide, aluminum fluoride, and aluminum oxide-aluminum fluoride composite at a temperature within the range of 300 to 700° F., so as to produce chiefly an acetylenic hydrocarbon of the same skeletal structure containing an acetylenic linkage in a more central position in the carbon chain than in said first-named acetylenic hydrocarbon.

2,579,670

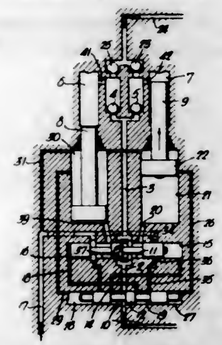
HYDRAULIC PRESSURE TRANSFORMER

Eric Georg Hjärpe, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application March 24, 1949, Serial No. 83,266

In Sweden April 2, 1948

7 Claims. (Cl. 103—49)



1. A hydraulic pressure transformer having a plurality of differential pistons, each reciprocating in a low pressure cylinder and a high pressure cylinder, means for putting the low pressure cylinders into intermittent communication with a primary duct for pressure liquid and means for intermittently putting the high pressure cylinders alternately into communication with a low pressure duct such as the said primary duct and a high pressure duct, the movement of the said differential pistons being controlled by automatically controlled governing means in such a way that liquid is always being delivered from at least one of the high pressure cylinders, the movements of the said governing means being hydraulically controlled by the movements of the said differential pistons.

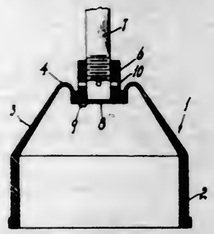
2,579,671

PRESSURE TYPE CLOTHES POUNDER

James W. F. Holl, Los Angeles, Calif.

Application January 27, 1947, Serial No. 724,675

1 Claim. (Cl. 68—218)



A pressure type clothes pounder comprising a cylindrical bell open at the bottom, the lower part of said bell having a thick wall section and the upper part of said bell having a thinner wall section than the lower part thereof, the upper part of said bell being frusto-conical in shape, the upper part of said bell having a tapered wall thickness from bottom to top, a central hub, and an upwardly curved wall portion extending to said hub, the upper part of said bell extending into the curved wall portion, said curved wall portion having a thin wall thickness, and said bell and hub being integrally formed.

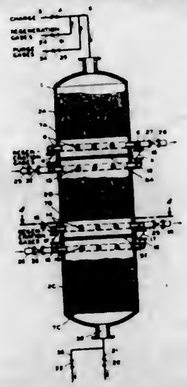
2,579,672

CATALYST CHAMBER

William L. Houston, Jr., Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 28, 1947, Serial No. 788,470

6 Claims. (Cl. 23—288)



1. Apparatus for effecting hydrocarbon conversions in the presence of solid catalytic material in a divided form, comprising a vertical vessel, a plurality of foraminous members spaced vertically apart in the said vessel and each supporting a bed of catalyst, imperforate diaphragm members spaced below each foraminous member except the lowermost, fluid collecting conduit means spaced between each said foraminous member and next inferior imperforate member, fluid distributing conduit means spaced between each said imperforate member and next inferior catalyst bed, external check valve-containing conduit means connecting adjacent collecting means and distributing means for allowing series flow through said apparatus during conversion, said check valves being adapted to be opened during conversion and closed during reactivation, check valve-containing means for independently introducing fluid into each said distributing means, last said check valve being adapted to be opened during reactivation and closed during conversion, means for independently removing fluid from each said collecting means, means for introducing fluids into the top of said vessel, and means for removing fluids from the bottom of said vessel.

2,579,673

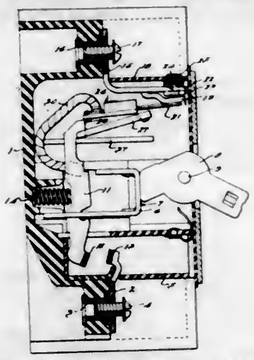
CIRCUIT BREAKER

John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application September 27, 1947, Serial No. 776,528

22 Claims. (Cl. 200—88)

1. In an automatic electric circuit breaker having separable contacts and means releasable to effect separation of said contacts, current responsive means for effecting the release of said releasable means upon the passage of an overload current through the circuit breaker comprising a bimetallic member heated in response to the flow of current through the breaker, a magnetic yoke supported upon said bimetallic member and energized in response to the flow of current through the breaker, an armature member also supported upon said bimetallic member and adapted to be attracted to said yoke upon the occurrence of an overload current of sufficient value, and means on said bimetallic member engaging said releasable means and adapted to be moved bodily by said bimetallic member upon flexing thereof in response to the passage of mod-



erate overload currents, said engaging means being movable relative to the bimetallic member by said armature as it is attracted in response to heavy overloads and short circuit currents.

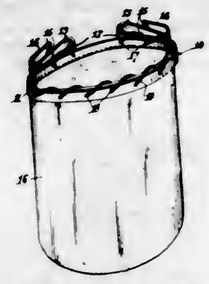
2,579,674

DETACHABLE RECEPTACLE FOR PORTABLE BABY BATHING OUTFITS

Dorothy E. Johnson, Havertown, Pa., assignor to Charles W. H. Schroth, Jr., Abington, Pa.

Application August 19, 1947, Serial No. 769,410

2 Claims. (Cl. 248—99)



1. In a device of the kind described, a hanger formed from a thin strip of material fashioned to provide an elliptical loop shaped body with an open space at the rear thereof, arms projecting downwardly and outwardly from the body on opposite sides of the open space, hooks at the outer ends of said arms produced by forming return bends from the arm portions of the material strip, said hooks facing each other, and a bag laced to the hanger body with the mouth of said bag inside of said hanger body.

2,579,675

WORK CLAMPING DEVICE

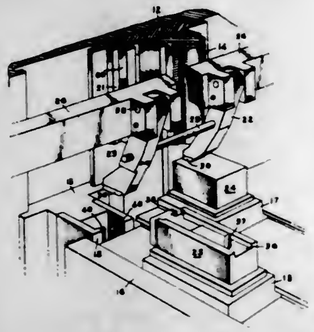
Leo I. Kaplan, Detroit, and Gustav von Reis, Grosse Pointe, Mich., assignors to Detroit Broach Company, Detroit, Mich., a corporation of Michigan

Application November 1, 1948, Serial No. 57,634

6 Claims. (Cl. 90—33)

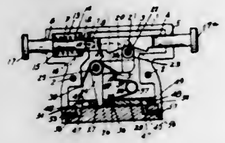
1. In a broaching machine including a pair of parallelly arranged alternately operating broach carriers, and a work support for each broach carrier adapted to present the work in operative re-

lation thereto during the working stroke thereof and withdraw it during the return stroke; work clamping means comprising a rockable member provided with a pair of arms for respectively clamping the work on said supports when each is in operative position, and cam means movable



with one of said broach carriers for actuating said rockable member on both the working and return strokes thereof, the one operation clamping the work while operated upon by the broach of the said one of said carriers and the other clamping the work when operated upon by the broach of the other carrier.

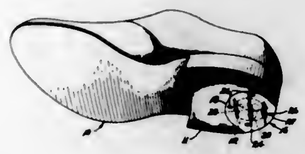
2,579,676
HAIRCUTTING DEVICE
Dorcey E. Kellogg and Albert T. Scheiwer, Erie, Pa.; said Kellogg assignor to said Scheiwer
Application February 15, 1949, Serial No. 76,554
1 Claim. (Cl. 30—195)



A hair cutting and trimming device comprising a casing, a cutter head mounted on said casing having cutting teeth on opposite sides thereof, tapered, equally spaced comb teeth extending outwardly from some of the cutting teeth on one side of said head, a movable cutter having oppositely disposed cutter teeth in cutting relationship with the teeth on said head, and means for reciprocating said cutter, the teeth on said cutter in cutting relationship with the teeth on said head having comb teeth extensions being spaced a greater distance apart than the teeth which they engage whereby less than all of the teeth on the comb side of said head cut hair at the same time.

2,579,677
SHOE TAP
Phillip Kurkjian, Selma, and Edward J. Derderian, Fresno, Calif.
Application October 13, 1950, Serial No. 190,032
4 Claims. (Cl. 36—8.3)

2. In combination with a shoe having a cylindrical recess in the heel thereof, a cylindrical metallic cup of a diameter less than the diameter of the recess and a length less than the axial length of said recess having a closed axial end and an open opposite end, a flange radially extended in circumscribing relation from the open end of the cup, a cover plate substantially congruent to the flange arranged in covering relation to the cup and therewith defining a housing,



a spherical clapper loosely enclosed in the cup by the plate, a cylindrical clapper loosely enclosed in the cup by the plate, and means extended through the plate and flange into the shoe mounting the cup within the recess in spaced relation to the sides and end thereof with the plate substantially flush with the lower surface of the heel of the shoe.

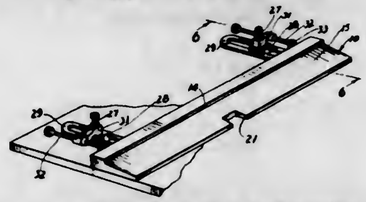
2,579,678
CATALYST REGENERATION
George F. Kuhn, Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 21, 1947, Serial No. 756,288
2 Claims. (Cl. 252—418)

1. In the step of regenerating finely divided catalyst which has been used in the pyrolytic conversion of hydrocarbons by the process comprising the subjecting of the hydrocarbon to be converted to conversion temperatures in the presence of the catalyst whereby carbonaceous material is deposited thereon and the catalyst is intermittently regenerated by burning off the deposited carbon by passing air in contact therewith, the improvement which comprises suspending the catalyst in a current of air and conveying it thereby to an elevated chamber, separating catalyst from the air in the chamber and passing the separated catalyst by gravity to and downwardly through a regenerating chamber positioned at an elevation lower than that of the first said chamber, withdrawing the air from the elevated chamber and passing it to a lower zone of the regenerating chamber and upwardly through the chamber in contact with the downwardly flowing catalyst.

2,579,679
STABLE VITAMIN B_{12} COMPOSITION
Marlin T. Leffler, Lake Bluff, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application September 22, 1949, Serial No. 117,261
2 Claims. (Cl. 167—81)

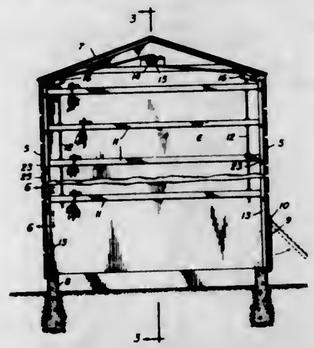
2. A stable aqueous Vitamin B_{12} solution containing Vitamin B_{12} as an active ingredient and at least about 0.001% thiodipropionic acid as a stabilizing agent.

2,579,680
PLANER BLADE GRINDING ATTACHMENT
Charles R. Leighton, Limestone, Maine
Application August 3, 1949, Serial No. 108,289
2 Claims. (Cl. 51—102)



1. A planer blade grinding attachment comprising a blade supporting plate adapted to be connected to a saw table having a grinding wheel thereon, said plate having a rear shoulder and a forwardly tapered and downwardly inclined supporting face, said shoulder adapted to retain the planer blade against rearward displacement while the same is being laterally adjusted for sharpening engagement with the grinding wheel, and means adapted to secure the plate to a saw table, said means adapted for the securement of the attachment to the saw table top comprising two projections with each having an elongated opening therein and each secured respectively to the opposite ends of the supporting plate, guide block means within the elongated openings and securing pins adapted to enter the saw table top to fix the guide block means thereto and the projections against movement and manually adjustable means connected between the pins and the supporting plate to adjust the plate relative to the saw table, each said manually adjustable means consisting of a lead screw to enable fine accurate adjustment to be made at each end of the plate to assure its proper desired grinding position for a planer blade to be sharpened, and the blade supporting plate being disposed to position a blade above the horizontal axial plane of the grinding wheel to establish a hollow grinding action on the blade.

2,579,681
TOBACCO CURING BARN
Leonidas T. Leitner, Marion, S. C.
Application August 8, 1947, Serial No. 767,641
4 Claims. (Cl. 214—16)

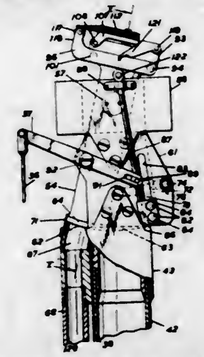


1. In a tobacco curing barn, tier poles arranged in a plurality of vertically spaced tiers with a plurality thereof disposed in horizontally spaced relation in each tier, a plurality of pairs of flexible hoisting lines, one tier pole of each tier being attached near its ends to a pair of said hoisting lines, the poles being in sets with the poles of each set in the same vertical plane, a plurality of pairs of vertical guideways, each pair of guideways receiving the ends of the tier poles of each set and guiding the same for vertical movement, and winding drums for each pair of the hoisting lines operable to lower the set of tier poles attached thereto to a compacted position in the lower portion of the barn where the tobacco sticks may be hung thereon from the floor of the barn and to elevate them to vertically spaced positions in which they may remain until the tobacco is cured.

2,579,682
METHOD FOR PRODUCING THIOPHANES
Joseph Donald Surmatis, Nutley, N. J., assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J., a corporation of New Jersey
No Drawing. Application December 22, 1948, Serial No. 66,847
5 Claims. (Cl. 260—309.7)

1. A process which comprises dehydrating at about reflux temperature a 3,4-(1',3'-diaralkyl-2'-keto-imidazolido - 2 - hydroxy - 2 - (ω-alkoxyalkyl)-thiophane in a lower aliphatic alcohol to which from about 2 per cent to about 10 per cent of sulfuric acid based on the weight of the aforesaid thiophane has been added, so as to produce 3,4-(1',3'-diaralkyl - 2' - keto - imidazolido)-2-(ω-alkoxy-alkylidene)-thiophane.

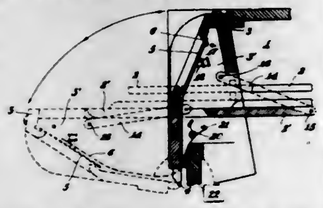
2,579,683
PILOT SEAT EJECTOR FOR AIRCRAFT
Marcel Jules Odilon Lobelle, White Waltham, Maidenhead, England, assignor to Messrs. M. L. Aviation Company Limited, White Waltham, Maidenhead, England, a British company
Application July 22, 1949, Serial No. 106,153
In Great Britain July 26, 1948
8 Claims. (Cl. 244—122)



1. Seat ejection apparatus for aircraft comprising guide means fixed in the aircraft, an ejectable seat mounted in said guide means, an ejection cylinder attached to said seat, a reaction cylinder mounted on said guide means, one of said cylinders being mounted slidably within the other, an exhaust tube fixed on said ejection cylinder, a movable breech for said ejection cylinder, said breech having a tube adapted to hold an explosive charge, firing mechanism mounted on said breech, and actuating means adapted to move said breech from a safe position where it is in communication with said exhaust tube into the firing position where it is in communication with said ejection cylinder, said actu-

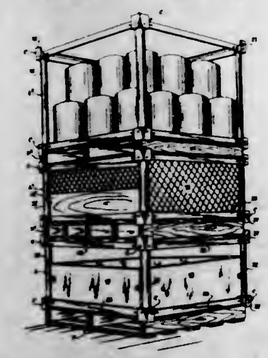
acting means being also adapted to operate the firing mechanism only when said breech is in the firing position.

2,579,684
STATION-INDICATING SYSTEM FOR RADIO-GRAMOPHONES COMPRISING MECHANISM FOR ALLOWING THE TURNTABLE TO MOVE OUTWARDS
Fernando A. Cañada Lorza, Madrid, Spain, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 25, 1948, Serial No. 56,454
In Spain January 30, 1948
3 Claims. (Cl. 179—100.11)



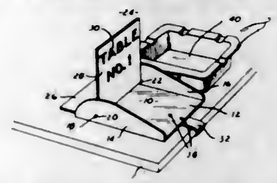
1. In combination; a cabinet having an open-sided gramaphone chamber therein in the upper part thereof, a movable turntable housed in said gramophone chamber, a movable closure for said open-sided chamber, a radio receiver fixedly housed in the lower part of said cabinet, tuning control knob means for said radio receiver mounted on said cabinet, means connected to said movable closure and to said movable turntable for causing the latter to protrude through the open side of said gramophone chamber when said movable closure is moved to open position, a tuning dial mounted on said closure for movement therewith, a movable indicating pointer mounted in continuously operative relationship with said tuning dial in all positions thereof and means connecting said movable indicating pointer to said tuning control knob means for actuation thereby.

2,579,685
PALLET STACKING DEVICE
Theron C. Loose, Elyria, Ohio
Application April 13, 1949, Serial No. 87,180
6 Claims. (Cl. 248—120)



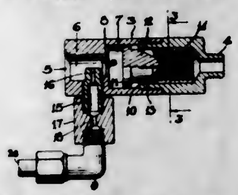
1. A device for stacking pallets comprising a rigid box-like framework formed of upper and lower rectangular sections, unitary vertical posts rigidly joining the corners of said sections, both the lower portion of the lower section and the upper portion of the upper section forming planar surfaces for engaging a standard pallet in load-bearing relation thereto, and a pair of mutually perpendicularly vertical flanges at each corner of said framework for engaging the side corners of the pallets.

2,579,686
SERVICE SIGNAL FOR RESTAURANTS AND THE LIKE
Robert Earl Mallory, Oklahoma City, Okla.
Application May 20, 1948, Serial No. 28,067
1 Claim. (Cl. 40—67)



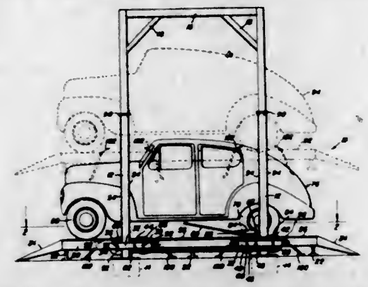
A service signal for restaurants comprising a tray-like supporting member having a horizontal bottom wall and a pair of opposed side walls integral with and perpendicular to the bottom wall, the top and ends of the member being open; and an L-shaped signalling device carried by the supporting member between the said side walls thereof, said device including a pair of integrally-joined, relatively perpendicular, flat panels, the outer face of one of the panels having indicating markings thereon; a transverse shaft rigidly secured to the device at the point of interconnection between said panels and on the inner faces thereof, said shaft extending at both ends thereof beyond said device, said side walls each being provided with an opening for pivotally receiving the proximal end of said shaft, said openings being spaced above said bottom wall, whereby said one panel is disposed between said side walls with its outer face resting in overlying relationship on said bottom wall when the device is swung to one end of its path of travel, and when the device is swung in the opposite direction, the free edge of the other panel at its outer face rests on said bottom wall with the one panel in a position perpendicular to the bottom wall, the markings facing in a direction toward the open end of the member.

2,579,687
MEANS FOR AUTOMATICALLY INJECTING FUEL INTO ENGINES
Earl B. Marr, Santa Clara, Calif.
Application January 5, 1948, Serial No. 502
1 Claim. (Cl. 261—65)



An auxiliary carburetor for use with an internal combustion engine comprising an elongated casing having two chambers connected end to end, one of the chambers being a mixing chamber and having an air inlet and a fuel inlet arranged at substantially right angles to each other and the other chamber being an atomizing chamber and having a fuel inlet at one end in communication with the mixing chamber and a fuel outlet at its opposite end adapted to be connected to the intake manifold of an engine, the said casing having a valve seat arranged in the atomizing chamber, a valve member mounted in the atomizing chamber and arranged for movement between a closed position seated against the valve seat and an open position spaced from said valve seat, the said valve member having a conical end portion formed with circularly arranged spaced radial slots, the said slots having converging closed inner ends, and a compression spring mounted in the atomizing chamber in operative engagement with the valve member for urging the said valve member toward its open position, the said valve member being adapted to be actuated to open or closed positions in accordance with fluid-pressure differentials formed in the operation of the engine.

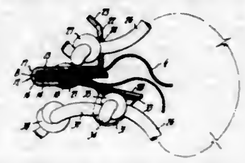
2,579,688
VEHICLE HOIST
Connie M. McCormick, Hialeah, Fla.
Application June 18, 1948, Serial No. 33,848
1 Claim. (Cl. 187—19)



In a vehicle hoist, the combination of two longitudinally spaced pairs of transversely spaced upright guides, an elongated platform movable vertically between said guides and provided at least in one end portion thereof with transversely extending opening, two longitudinally spaced pairs of transversely spaced brackets secured to said platform and embracing the respective guides, a pair of toothed racks provided on opposite sides of each guide, two pairs of shafts extending transversely of said platform into said brackets at the opposite sides of the respective pairs of guides, a pair of rollers secured to one pair of said shafts and disposed in said opening for driving engagement by wheels of a vehicle on said platform, a pair of pinions provided on each of said shafts, the pinions on one shaft in each pair meshing with one rack on each guide, idler pinions mounted in each bracket and meshing with the pinions on the remaining shaft in each pair and with the remaining rack on each guide, and chain drives provided at opposite sides of said platform and operatively connecting one of the shafts in each pair to the idler pinion of the other pair.

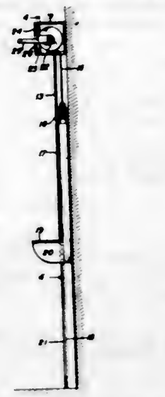
2,579,689
SACK TIE
George E. Miller, Sacramento, Calif., assignor to E. Clemens Horst Company, San Francisco, Calif., a corporation of New Jersey
Application August 14, 1948, Serial No. 44,339
4 Claims. (Cl. 24—30.5)

1. A sack tie comprising a clip having a pair of walls defining a recess, means for securing said clip to a part of a sack disposed in said recess, a lug outstanding from one of said walls, said lug having an aperture therein, a pair of wings outstanding from the other of said walls,



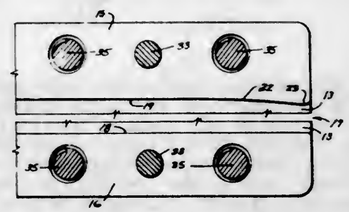
said wings defining a channel therebetween, and a cord having a pair of knots therein passing through said aperture and said channel with said knots engaging said lug and said wings respectively.

2,579,690
FIREPLACE SCREEN
Adolph R. Murat, San Clemente, Calif.
Application October 9, 1950, Serial No. 189,203
5 Claims. (Cl. 160—298)



1. A fireplace screen comprising a roller on which a screen is mounted for raising and lowering movement, foot pedal operated means for rotating the roller in a direction to raise the screen, braking means for the roller, and spring means holding the braking means in brake applying position, said braking means being released upon turning of the roller in a direction to raise the screen.

2,579,691
STRIP FORMING MOLD
Anton H. Narrow, Memphis, Tenn.
Application December 5, 1949, Serial No. 131,164
5 Claims. (Cl. 22—136)



4. In a mold for forming metallic strips which comprises a pair of sides, a first spacer, a second

spacer spaced from the first spacer, said spacers extending longitudinally of and being interposed between said sides to space said sides apart, said sides and the proximate edges of said spacers defining a flat, strip-forming channel having an entrance end and a discharge end, one only of said spacer edges remote from said entrance end and adjacent said discharge end having a minor portion converging toward the other said spacer, the said other spacer being straight throughout its length from end to end of said channel, whereby to restrict said discharge end with the restriction being located on one edge only of the discharge end to burnishingly contact one edge of a strip passing through said discharge end.

2,579,692

GASOLINE FUEL CONTAINING DIMETHYL CARBINOL AND SOLVENT OIL

Joseph E. Neudeck, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 9, 1949, Serial No. 132,211
8 Claims. (Cl. 44—53)

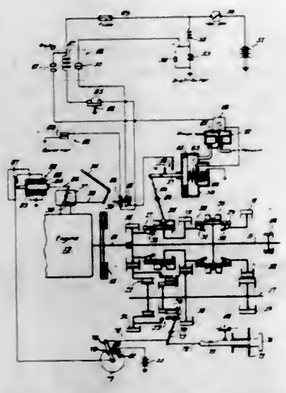
1. A composition consisting essentially of a mixture of hydrocarbons boiling in the gasoline boiling range, about 0.5 volume percent of solvent oil, and from 1.0 to 2.5% of dimethyl carbinol said solvent oil consisting of a liquid hydrocarbon mixture having a kauri-butanol solvent power above about 20, a 50% distillation point above 350° F., at 10 mm. mercury pressure, a Saybolt viscosity at 100° F., not above 450 seconds, and an API gravity of about 18 to 28°.

2,579,693

TRANSMISSION CONTROL MECHANISM

Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application January 9, 1946, Serial No. 639,989
11 Claims. (Cl. 74—472)



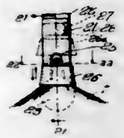
1. In transmission mechanism, the combination of a drive shaft, an engine for driving said shaft and having an ignition system and a throttle, a driven shaft, means for providing a plurality of power trains of different speed ratio between said shafts and including a one-way coupling and a positive coupling in parallel with the one-way coupling for completing at least one of said power trains, and control means for said positive coupling and including means for disabling said ignition system to allow disengagement of the positive coupling, said control means including means for temporarily opening said throttle and increasing the speed of said engine whereby to engage said one-way coupling prior to engagement of said positive coupling.

2,579,694

GARMENT CLASP

Jack M. Parl, Cranford, N. J.

Application April 15, 1946, Serial No. 662,353
2 Claims. (Cl. 24—251)



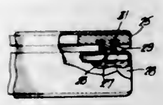
1. In a garment supporter, an elastic suspension strip, a flat flexible strip stitched on the end of said elastic suspension strip whereby the flat flexible strip extends in a pendent suspension substantially coplanar with said elastic suspension strip, said flat flexible strip have a width contiguous with the width of said elastic suspension strip at the position of connection therewith and provided with an enlarged end portion thereon, and a slidable tapered loop engaging the said flexible strip and slidable thereover from a position adjacent the connection of the flexible strip with the end of said elastic suspension strip and limited in its displacement by the enlarged end portion of said flexible strip, the portion of said flexible strip immediately above said enlarged end portion being slitted to form a centrally disposed tongue extending upwardly with respect to said flexible strip and displaceable laterally with respect to said flexible strip and within the path of movement of said tapered loop for clamping the edge portion of fabric between said tongue, said tapered loop and said flexible strip.

2,579,695

TOOTHBRUSH AND DENTIFRICE CONTAINER UNIT

Horace S. Parsons, Philadelphia, Pa.

Application October 13, 1948, Serial No. 54,287
3 Claims. (Cl. 132—84)



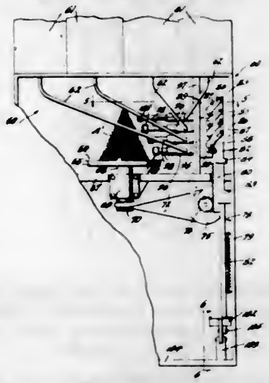
1. A compact package comprising an assembly of a tooth brush having a handle, a container for a dentifrice having a discharge nozzle, and closure means for said nozzle nondetachably secured in the handle so mounted that when the closure is effected the container may lie at the bristle side of and in parallel relation to the brush handle, said closure means being in the form of a tapered projection on the handle adapted for insertion in the discharge nozzle of the container for frictional engagement with the wall of said nozzle, and a casing for said assembly constructed and arranged to preclude possibility of damaging and collapsing said assembly and to prevent separation of the closure means from the nozzle while the assembly occupies the casing.

2,579,696

FROZEN CONFECTION APPARATUS

David L. Periman, Baltimore, Md.

Application August 2, 1948, Serial No. 42,105
6 Claims. (Cl. 107—1)



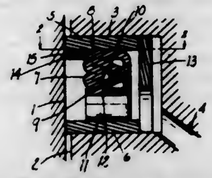
3. In a device of the class described, a series of vertically spaced, horizontally directed fixed nozzles, means for supplying said nozzles each with a different kind of flavoring material, means for discharging said material through said nozzles in the form of substantially parallel vertically spaced jets, means for supporting a confection base in front of said series of nozzles within the range of discharge thereof, so that said jets may impinge upon said base, each at a different point along the height of said base, means for horizontally rotating said supporting means, and a common actuating means operatively connected to said discharging means and said rotating means for simultaneously operating these two means, whereby said confection base is supplied with different flavors at different horizontal circular zones.

2,579,697

PISTON RING ASSEMBLY AND ELEMENT

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.

Application September 17, 1947, Serial No. 774,579
6 Claims. (Cl. 309—45)



1. A piston ring assembly comprising upper and lower thin split flat annular expansible cylinder wall engaging side elements provided with continuous cylinder wall engaging edges from end to end thereof, and an annular split expansible intermediate element formed of ductile material folded longitudinally upon itself to provide a plurality of radially disposed outer and intermediate plies the upper of the plies being flat and of greater radial width than the remaining plies and constituting a cylinder wall engaging member disposed in side by side relation to the upper side element and having a serrated cylinder wall engaging edge coacting with the upper side member in providing lubricant pockets during the initial wearing in of the assembly, the other plies being axially conformed to provide alternate spacer reaches and drain reaches, the serrations of said cylinder wall engaging edge of the upper ply being inclined and extending from the bottom of said upper ply to the top thereof, to provide oil passageways from beneath said upper ply to below the cylinder wall engaging edge of the upper side element, said passageways being relatively narrow and relatively closely circumferentially spaced around the entire circumference of said cylinder wall engaging edge of the upper ply to provide by passage of oil therethrough a substantially continuous pocket of oil beneath and around the entire circumference of the upper of said cylinder wall engaging side elements, said serrations being of a radial depth to permit the same to be substantially entirely worn away during the initial wear-in period of the assembly.

2,579,698

PISTON RING

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.

Application November 24, 1947, Serial No. 787,671
3 Claims. (Cl. 309—45)



1. A piston ring assembly comprising an annular split spacer member having spaced drain recesses in one side thereof, and a pair of flat annular split cylinder wall engaging ring elements positioned one on each side of the spacer member, said ring elements being formed of ribbon steel coiled edgewise and having abutment flanges on their ends, the abutment flanges of each ring member retainingly engaging each other under the compressional stress of the ring member when operatively engaging the cylinder wall, the flanges of one element being positioned in one of said drain recesses and the flanges of the other element being disposed within the gap of the spacer member, the abutting engagement of the end portions of the last mentioned element closing the gap of the spacer element and the flanges thereof retaining said end portions in closing relation to said gap, said ring elements being alternately recessed from the inner and outer edges thereof, the recesses extending over one-half of the radial width of the ring elements providing springable portions between the recesses where the ring elements are under expanding stress when compressed within a cylinder with the said flanges in abutting relation, said ring elements when the abutment flanges thereof are in abutting engagement with each other and before compression of the ring elements into a piston ring groove, being of a diameter greater than that of the cylinder wall with which they cooperate.

2,579,699

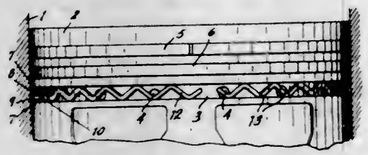
PISTON RING ASSEMBLY AND GROOVE FILLER ELEMENT FOR USE WITH PISTON RINGS

Harold P. Phillips and Virgil D. Ackerman, Hastings, Mich., assignors to Hastings Manufacturing Company, Hastings, Mich.

Application September 10, 1948, Serial No. 48,614
8 Claims. (Cl. 309—45)

1. A piston ring assembly adapted for installation in a piston ring groove having drain openings

at the bottom thereof, comprising a pair of thin split flat annular cylinder wall engaging elements, a spacer provided with drain openings between said cylinder wall engaging elements, an expander having a plurality of crimps therein coacting with said cylinder wall engaging members, said expander having drain openings therein, and an annular split springable filler element for supporting said expander, said filler element being



formed of resilient wire of flattened section and edgewise corrugated axially of the element to be positioned with the inner flattened side engaging the bottom wall of the piston ring groove with the filler element in resiliently contractable engagement with the bottom of the groove and the crowns of corrugations thereof in springable frictional engagement with the side walls of the groove.

2,579,700

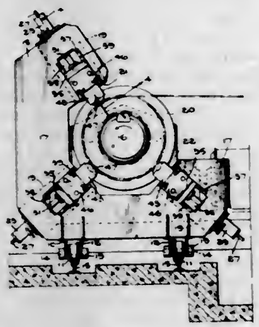
MACHINE FOR STRIPPING SHEET METAL

John Burley Picton, Wolverhampton, England, assignor to Joshua Bigwood and Son, Limited, Wolverhampton, England, a British company

Application July 5, 1950, Serial No. 172,101

In Great Britain July 11, 1949

7 Claims. (Cl. 242—81)



1. A machine for removing coils of material from a winding drum, comprising a body of approximately C shape, said body being movable parallel to the axis of the drum, and power operated gripping means in the body for gripping the exterior of the coils, said gripping means being retractable to allow the coils to be removed from the body.

2,579,701

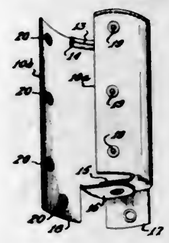
INFANT'S BOTTLE HOLDER

Paul G. Ridey and Emily Derr Ridey, Cincinnati, Ohio

Application February 1, 1949, Serial No. 74,006

4 Claims. (Cl. 248—102)

1. In a nursing bottle holder or the like, a substantially rectangular, relatively stiff, panel-like body member having a seam-like ridge along one edge thereof and fastening elements along other edges thereof, said body member being adaptable to conform to a nursing bottle, and said ridge being located so as to engage the



tapered neck of said bottle when said body member is placed about said bottle and said elements fastened, whereby said bottle is prevented from pulling out of said body member.

2,579,702

TRACTION HOT-GAS ENGINE WITH SPEED AND POWER CONTROL

Herre Rinia, Heinrich de Brey, and Franciscus Lambertus van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee

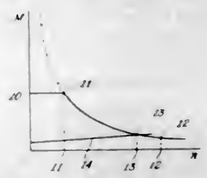
Application September 13, 1945, Serial No. 616,092

In the Netherlands August 11, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires August 11, 1964

5 Claims. (Cl. 60—24)



1. A hot-gas engine for use with traction apparatus comprising cylinder means, piston means therein, pressurized crank chamber means, crankshaft means, means connecting said piston means to said crankshaft means, and means including a chain driven auxiliary shaft responsive to speed changes of said apparatus cyclically connecting said pressurized means with said cylinder means.

2,579,703

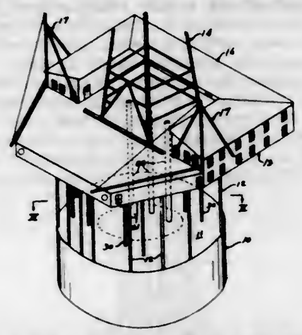
SUBMERSIBLE TANK FOR SUPPORTING OFFSHORE STRUCTURES

Howard C. Rutledge and Richard M. Adler, Birmingham, Ala., assignors to The Ingalls Shipbuilding Corporation, a corporation of Delaware

Application October 3, 1949, Serial No. 119,324

6 Claims. (Cl. 61—46)

1. In means for supporting off-shore structures, a tank, a horizontal deck in the tank dividing the same into upper and lower water tight compartments, vertical bulkheads dividing the upper compartment into a plurality of water tight sub-compartments, said upper compartments having sufficient buoyancy when substantially empty to float the tank when the lower compartment is substantially completely flooded, and means to flood the lower compartment and



a sufficient number of the upper compartments to submerge the tank.

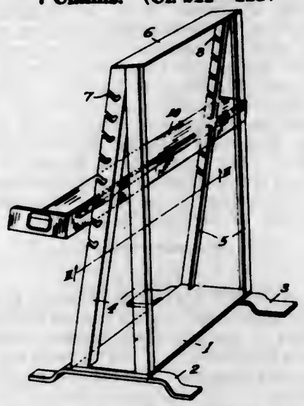
2,579,704

REMOVABLE TRAY RACK CONSTRUCTION

Samuel Saul, Jr., Pittsburgh, Pa., assignor to Reconstruction Finance Corporation, Cleveland, Ohio, a corporation of the United States

Application February 14, 1947, Serial No. 728,687

7 Claims. (Cl. 211—128)



5. A rack and tray construction comprising a rack with a support having hooks thereon, a tray with supporting hanger members at the back thereof adapted to be engaged by a substantially vertical movement of the tray over selected ones of the hooks for supporting the tray on the rack, and interlocking elements on the hooks and said members, respectively, movable into interlocking engagement by an endwise and substantially horizontal movement of the tray relative to the hook on which it is hung for restraining the tray when so interlocked against removal from the hook in a vertical direction.

2,579,705

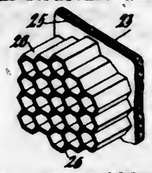
COLOR TELEVISION SYSTEM

Alfred C. Schroeder, Southampton, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application January 27, 1950, Serial No. 140,786

14 Claims. (Cl. 313—92)

3. An electron discharge device comprising, an electron gun structure for producing an electron beam along a path, a luminescent screen spaced from said gun structure and positioned transversely to said beam path, and deflection means between said gun structure and said screen for



scanning said beam over said luminescent screen, said screen including tubular elements each having an axis offset from the point of deflection of said beam.

2,579,706

CUTTING PLATE FOR DRY-SHAVING APPARATUS

Pieter Frans Michael Senders, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 17, 1948, Serial No. 21,733

In the Netherlands May 7, 1947

6 Claims. (Cl. 30—43)



1. In a dry shaving apparatus of the type comprising a shaver head mounted in a housing, cutter members associated with said head and an operating motor in said housing for driving the cutter members of said shaver head in reciprocating movement, in combination a cutting plate for cooperation with said cutter members, said plate having shaving apertures in the form of parallel slots and comprising a plurality of lanes of travel forming running surfaces for said cutter members, said lanes being all located in the same plane in at least two different directions with respect to each other in such a manner that the angles between the center lines of the lanes are substantially equal.

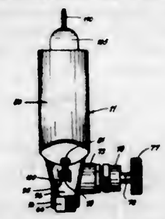
2,579,707

SPRAY GUN FOR MOLTEN METAL

Fred J. Smith, Collinsville, Ill., assignor of twenty-five per cent to Mary M. Long, Collinsville, Ill.

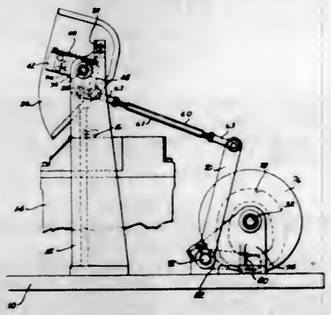
Application December 19, 1946, Serial No. 717,216

3 Claims. (Cl. 91—12.2)



1. In a spray gun, a reservoir, and means for withdrawing a fluid from said reservoir as a spray, including a fluid discharge nozzle and a carrier nozzle having horizontal and vertical grooves formed in the free end thereof, the end of the carrier nozzle being disposed so as to straddle the tip of the fluid discharge nozzle.

2,579,708
DUMPING MECHANISM
Haywood C. Smith and James C. Petrea, Durham, N. C., assignors to Wright Machinery Company, Durham, N. C., a corporation of North Carolina
Application December 12, 1949, Serial No. 132,442
12 Claims. (Cl. 214—2)



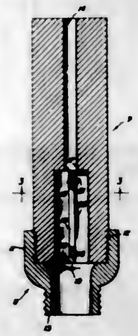
1. In a weighing machine, receiving means to receive material to be weighed, means supporting said receiving means for balancing movement under the influence of material therein and for pivotal dumping movement relative thereto about a substantially horizontal axis, means normally free of engagement with said receiving means during said movement, said last-named means being movable into position to engage said receiving means and being further movable to impart a dumping movement thereto about said substantially horizontal axis.

2,579,709
GLASS COMPOSITION
John J. Smith, Tarentum, James Earle Duncan, Brackenridge, and Harry A. Truby, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application September 22, 1948, Serial No. 50,652
3 Claims. (Cl. 106—53)

1. A clear lead glass having a thermal coefficient of linear expansion of $8.9 \pm 0.2 \times 10^{-6}$ per degree centigrade between 25° C. and 300° C. and a maximum softening point of 645° C. comprising by weight from 66 to 70 percent of silicon dioxide, from 14.5 to 16 percent of alkali metal oxide, from 10 to 15 percent of lead oxide, from 2 to 3 percent of aluminum oxide, approximately 1 percent of fluorine and from about 0.5 to 1.5 percent of a modifying metal oxide selected from the group consisting of antimony oxide, cerium oxide, arsenic oxide, titanium oxide, zinc oxide and zirconium oxides.

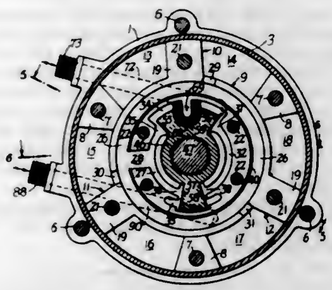
2,579,710
AUDIBLE PISTON POSITION INDICATOR
James Vincent Spadola, New York, N. Y., assignor of one-half to Frank Leccese, New York, N. Y.
Application December 17, 1948, Serial No. 65,831
2 Claims. (Cl. 116—67)

1. A piston position indicator which depends wholly on sound to give a desired audible signal and which is adapted to be connected to an engine cylinder block by way of the usual spark plug holes in said block, comprising a solid cylinder having a constantly open unobstructed axial bore opening through opposite ends of said cylinder, the inward end of said bore being axially counterbored and defining a cylindrical reed chamber, the latter being cylindrical in cross-section, a reed holder embodying a flat rectangular plate of a length corresponding to the length of said chamber, said plate having a central air slot and having right angularly directed semi-circular heads at opposite ends lodge in opposite end portion of said chamber frictionally anchoring said plate in said chamber and partly closing in the outer end portion of said chamber, a pressure-responsive reed mounted on said plate in communicative alignment with said slot, said cylinder, at the end ad-



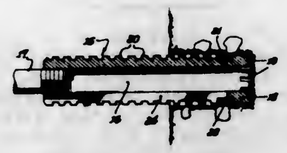
jacent said chamber being externally screw-threaded, an adapter coupling, said coupling being rigid and internally screw-threaded and screwed on the screw threads provided on said cylinder, said coupling also having a reduced externally screw-threaded neck and said neck being adapted to be screwed into one of the spark plug holes in a conventional cylinder block, the bore of said neck being of a diameter slightly greater than the diameter of said chamber to permit the reed holder to be either inserted or removed by way of said last named bore.

2,579,711
DOUBLE-ACTING PROPORTIONAL HYDRAULIC PRESSURE POWER AMPLIFIER
Edwin G. Staude, Minneapolis, Minn.
Application September 17, 1947, Serial No. 774,524
14 Claims. (Cl. 121—41)



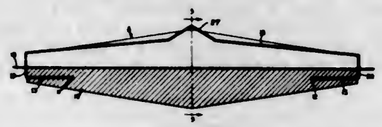
1. A double acting manual control and fluid power amplifier having passages and connections for receiving fluid circulation and exhausting the same, a fluid compartment for receiving said fluid, a movable wall therein, an oscillating member connecting said wall to a work-performing element, said member comprising two disc-like parts secured together having annular passages therein, respectively, including ports, leading from pressure inlet to said wall, valve means associated with said manual control for restricting the flow in said passages with a resultant back pressure on the valve means for controlling the pressure acting against the wall to move the wall in the desired direction, said manually operated means moving in the same direction as said wall and operable in either direction from an initial inactive position for operating said valve means by applying said area so as to restrict the fluid circulation, the back pressure area of said valve means being smaller than the area on said movable wall so as to move said wall manually and by the pressure of the restricted flow of pressure fluid, and result in a smaller follow-up back pressure for feel on the manual control shaft.

2,579,712
DRILL BIT
Carl V. Tilden, Pasadena, Calif.
Application May 21, 1949, Serial No. 94,691
7 Claims. (Cl. 255—69)



1. A drill bit having a body of tubular form; a spiral thread on the outer surface of the body; a boring head at one end of the body spaced from said thread; and a one piece transversely split resilient sleeve rotatable on the body between the thread and the head and having an outside diameter exceeding that of the thread.

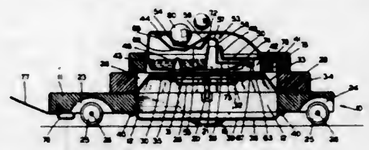
2,579,713
FLOAT
Paul A. Tolle, Dayton, Ohio
Application March 27, 1950, Serial No. 152,074
10 Claims. (Cl. 43—44.91)



1. An elongated float comprising a body member having a groove cut therein throughout the length thereof, said groove being adapted to receive a cord, a resilient member pivoted at each end of said body member, said resilient member extending longitudinally across said body member and substantially into said groove for locking engagement therewith, said resilient member having means for securing said cord against the ends of said groove, and said resilient member having a grip portion projecting forwardly from said groove so that said resilient member may be gripped thereby and released from said groove to release said cord.

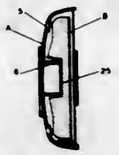
2,579,714
MECHANICAL BUBBLE BLOWING DEVICE
Robert L. Treuthart, Garfield, Ark.
Application June 14, 1949, Serial No. 98,969
8 Claims. (Cl. 46—8)

1. A bubble blowing device including a bubble solution closed container having a gas opening in the top thereof, a member movable in the container and having an end arranged alternately to be dipped into the bubble solution in the container and moved through and over said opening, means for intermittently forcing gas through



said opening, and means for actuating said member so that when the end thereof is dipped into the bubble solution and then moved through and over the gas opening, gas is forced through said opening and the liquid film adhering to said end is released and discharged in the form of bubbles.

2,579,715
MOTH REPELLENT AND DEODORANT CONTAINER
Norman E. Wilson, University City, and Alvin L. Sacks, Clayton, Mo., assignors to The Puro Co., Inc., St. Louis, Mo., a corporation of Missouri
Application October 10, 1947, Serial No. 779,150
9 Claims. (Cl. 299—24)

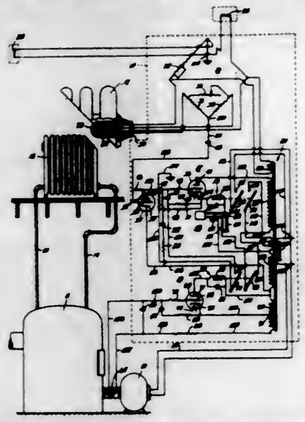


1. A container for holding a vaporizable solid comprising a dish shaped shell, abutment means within the shell adjacent the margin thereof, a circular optionally removable closure member adapted to fit within and extend closure-wise across the shell in abutment along at least portions of its peripheral margin against the abutment means, and locking means optionally engageable with the closure member for retaining the latter in place.

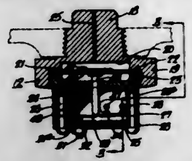
2,579,716
CONDITION CONTROLLING APPARATUS
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 7, 1948, Serial No. 31,482
11 Claims. (Cl. 236—78)

3. In combination; an electronic amplifier including operatively interconnected first and second electron discharge devices, a condenser connected between said first and second discharge devices and adapted to be charged by an amount proportional to the current flowing in said first device and to vary the current flow through said second device, a pair of resistors connected as a discharge circuit for said condenser, and a third resistor; a relay; a source of control signal; means operatively interconnecting said source, said amplifier, and said relay in the order named; means including said source for causing said amplifier to energize said relay when the control signal is of a first value and deenergize said relay when of a second value; and automatically operated switch means for connecting

said third resistance in circuit with one of said pair of resistors to change the operating differential between said first and second values of said control signal.



2,579,717
LIQUID LEVEL INDICATOR
Myron D. Wood, Haddon Heights, N. J.
Application December 15, 1947, Serial No. 791,835
7 Claims. (Cl. 200—83)



1. An oil level responsive device for use on a motor vehicle and adapted to control a pair of indicator means to indicate different oil levels, said device comprising a diaphragm arranged for operation by gravitational pressure of the oil in an oil-containing casing of such vehicle, a cantilever spring contact arm arranged below said diaphragm, means operable by said diaphragm to control movement of said arm according to the quantity of oil in the vehicle crank case, a pair of spaced contacts on said arm, a pair of spaced stationary contacts engageable respectively and successively by the arm contacts upon different amounts of movement of said arm in response to decreasing pressure on said diaphragm, the portion of said arm between said arm contacts being precisely formed to control the successive engagement of the stationary contacts according to a predetermined difference of pressure acting on said diaphragm, and means for adjusting said arm to effect first engagement of a stationary contact by an arm contact when a certain quantity of oil is contained in the vehicle crank case.

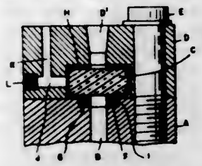
2,579,718
MEASURED VOLUME LIQUID DROPPER
Irving J. Welman, Philadelphia, Pa.
Application October 3, 1945, Serial No. 620,033
3 Claims. (Cl. 222—207)

1. A liquid dispenser for delivering successively predetermined and equal volumes of a liquid, comprising a reservoir chamber having a resilient wall adapted to be compressed manually and an outlet spout extending from the chamber adapted to receive and to discharge liquid respectively into and from said chamber, the latter communicating with an additional chamber of considerably less capacity and having a resilient wall more readily compressible than the wall of the



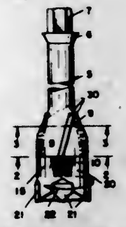
said reservoir chamber and adapted for successive compressions manually, and diametrically opposed guard pieces combined with the wall of said reservoir chamber adapted for limiting the extent of compression manually of the wall of the additional chamber through contact of an operator's hand with said guard pieces.

2,579,719
HIGH-PRESSURE LIQUID LEVEL GAUGE
Howard D. Yoder, Farmington, Mich., assignor, by mesne assignments, to Buffalo-Eclipse Corporation, a corporation of New York
Application November 21, 1949, Serial No. 128,637
3 Claims. (Cl. 73—330)



1. In a high pressure liquid level gauge, an apertured body portion, a transparent panel covering said aperture, a gasket between said panel and body for sealing about said aperture, a cap chambered to receive and substantially enclose said panel and gasket but having a sight opening and also a non-rectilinear vent passage therein, and means for clamping said cap against said panel and body to form a chamber about a portion of said panel which is vented by said passage.

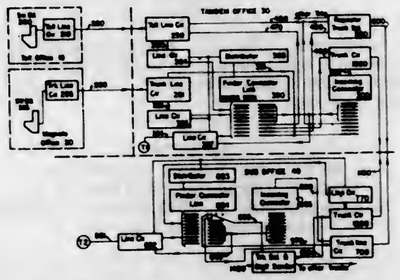
2,579,720
DRILL DEVICE
Thomas P. Atkinson, Newport Beach, Calif.
Application November 12, 1948, Serial No. 59,523
4 Claims. (Cl. 255—63)



1. A percussion earth boring device comprising a drill stem and a percussion drill bit carried by the lower end of said stem and shaped to impart rotation to the drill stem in a given direction in response to percussive engagement of the bit with the bottom of a hole being bored, spirally longitudinally disposed circumferentially spaced vanes

projecting from the peripheral surface of the stem, the outer surfaces of the lower end portions of said vanes and maximum diameter portions of the bit defining the diameter of the hole being bored; each of said vanes spirally retreating from its lower end to its upper end when viewed in relation to the direction of rotation of the stem and bit during normal boring operation, and each having a sloping normally leading surface and a radial normally trailing surface.

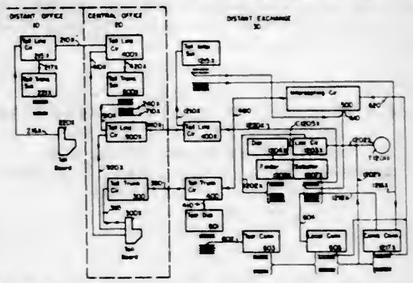
2,579,721
COMMUNITY AUTOMATIC EXCHANGE NETWORK
Pier Bakker, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application July 22, 1947, Serial No. 762,715. Divided and this application September 14, 1949, Serial No. 115,723
7 Claims. (Cl. 179—18)



1. In a telephone system including a group of stations, a trunk selector-digit sender accessible thereto, a group of trunks accessible to said trunk selector-digit sender, and means controllable from a calling one of said stations for seizing said trunk selector-digit sender; said trunk selector-digit sender comprising a plurality of connect relays respectively corresponding to the trunks in said group, means responsive to seizure thereof for operating the first of said connect relays, means responsive to operation of said first connect relay for testing the idle or busy condition of the first trunk in said group, means responsive to testing of said first trunk as busy for restoring said first connect relay and for operating the second of said connect relays, means responsive to operation of said second connect relay for testing the idle or busy condition of the second trunk in said group, means responsive to testing of one of said trunks as idle for retaining operating the corresponding one of said connect relays and for seizing said one trunk, mechanism operative through a cycle to send a predetermined digit over any seized one of said trunks, and means controlled by seizure of said one trunk for operating said mechanism through its cycle.

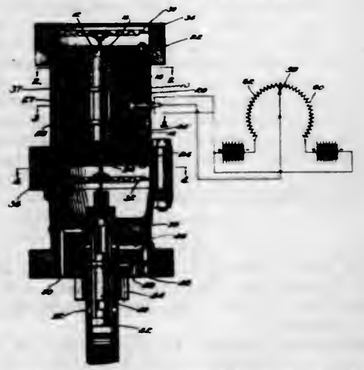
2,579,722
INTERCEPTING AND VERIFYING TOLL SWITCHING TELEPHONE SYSTEM
Harvey W. Baker, Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 15, 1947, Serial No. 779,965
13 Claims. (Cl. 179—27)

1. In a telephone system including a switchboard, a combined line and recording trunk terminating in a first jack at said switchboard, subscriber lines having individual directory numbers assigned thereto, and automatic switching apparatus selectively controllable over a calling one of said subscriber lines to extend a combined line and recording call therefrom over said combined line and recording trunk to said switchboard and in accordance with a directory number to extend a local call therefrom to the corresponding called one of said subscriber lines; a two-way trunk line terminating in a second jack at said switchboard, means for intercepting a local call on a calling one of said subscriber lines and for routing the intercepted local call over said trunk line when it is idle to said switchboard, means at said switchboard for answering a combined line and recording call at said first



jack and for answering an intercepted local call at said second jack, verification switching equipment having access to said subscriber lines, means at said switchboard for initiating a verification call at said second jack and for routing the verification call over said trunk line when it is idle to said verification switching equipment and then for controlling said verification switching equipment in accordance with a directory number in order to extend the verification call to the corresponding one of said subscriber lines so that said last-mentioned subscriber line may be verified as having extended a combined line and recording call, and means for marking said trunk line as busy to said intercepting means in response to the initiation of a verification call at said second jack.

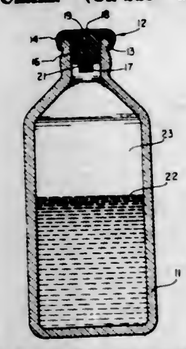
2,579,723
MAGNETIC DEVICE
Stanley G. Best, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 28, 1947, Serial No. 782,535
17 Claims. (Cl. 137—139)



1. A magnetic device comprising a cylindrical casing having end plates and enclosing an an-

nular permanent magnet, an annular electromagnetic coil or solenoid, and an axially movable armature all arranged substantially co-axial with said casing, means urging said armature into an intermediate position between said end plates, said armature, casing and end plates completing a circuit of magnetic material, except for gaps between opposite ends of said armature and said end plates, for the magnetic flux of said electromagnet, said permanent magnet having one of its poles adjacent said armature and the other adjacent said casing and extending between intermediate portions of said casing and armature, said casing and armature completing two magnetic flux flow paths for the permanent magnet flux from an intermediate portion of said armature in opposite directions through said armature, said gaps and said casing.

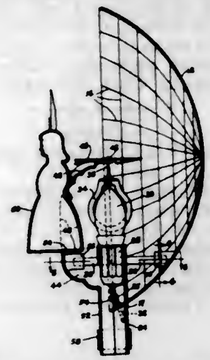
2,579,724
VALVED CLOSURE PLUG FOR INSERTION IN THE NECK OF A BOTTLE
Seymour Breakstone, Chicago, Ill.
Application April 15, 1946, Serial No. 662,351
1 Claim. (Cl. 215—47)



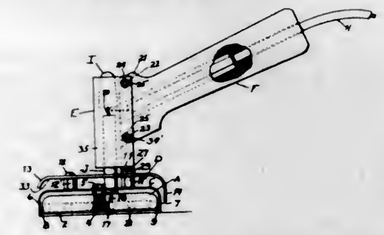
A valved closure plug for insertion into the neck of a bottle, said plug comprising a yielding cylindrical rubber body having a peripheral flange at its upper end and having a substantially smaller diameter cylindrical projection at its lower end, a self closing slit extending through the cylindrical projection and into the body of the plug and extending through a substantial portion of the body of the plug above the projection and terminating at its top in an enlarged opening which opens at the top of the closure plug, the lower cylindrical projection at the bottom of the plug constituting a valve forcing the bottom of the slit radially inwardly to the closed position by the action of the pressure of the surrounding atmosphere when the pressure at the bottom of the plug is greater than the pressure at the top of the plug, the plug being solid above the cylindrical projection and the slit surfaces being in contact with each other in the part of the rubber body above the projection, whereby the rubber above the top of the projection prevents upward flexing of the rubber of the projection at the slit thereof.

2,579,725
ILLUMINATED FIGURE WITH REFLECTOR
Jack Burnbaum, Watertown, Mass., assignor to Bradford Novelty Co., Inc., Cambridge, Mass., a corporation
Application February 10, 1950, Serial No. 143,557
4 Claims. (Cl. 240—10)

1. An ornamental device comprising a reflector having two sockets at its front, a front member forwardly of said reflector in position of use having two sockets at its rear, a connecting member embodying two legs extending rearwardly into said reflector sockets and two other legs extending forwardly into said front member sockets, and a lamp member supported by said connecting member and located between said reflector and front member.



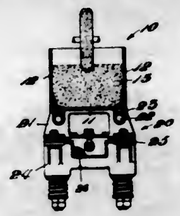
2,579,726
ELECTRIC PAINT REMOVER
Louis M. Carpenter, Syracuse, N. Y.
Application July 24, 1948, Serial No. 40,601
4 Claims. (Cl. 219—29)



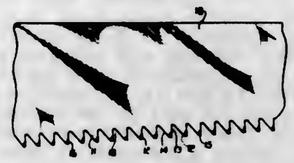
1. An electric paint remover comprising an electric heat radiating means imbedded in an insulating support, a metallic shield secured to and in spaced relation to said heat radiating means and forming a heat confining housing enclosing said heat radiating means, a metallic shield of high heat reflectivity secured to said first mentioned shield and mounted above and in spaced relation thereto forming an air space therebetween, an operating handle mounted on said heat reflecting shield through connectors of reduced cross section, and electrical conductor means extending through said handle and connected to said heating means for supplying electric current thereto.

2,579,727
METHOD OF MAKING AN ABRASIVE COATED WHEEL
Oliver John Carpenter, Niagara Falls, N. Y., assignor to General Abrasive Company, Inc., a corporation of New York
Application December 9, 1949, Serial No. 132,026
2 Claims. (Cl. 117—20)

1. The method of making a set up abrasive wheel which comprises rolling an adhesive coated wheel in a trough containing a layer of abrasive grains of substantial depth and during said rolling, causing penetration of the wheel into the layer of the grains by vibrating the trough at a preselected amplitude whereby the wheel is coated to the depth of penetration.



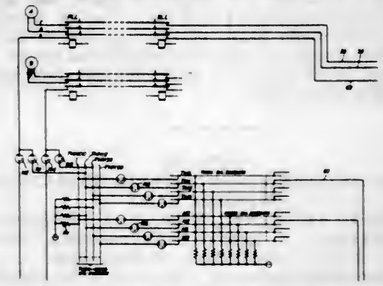
2,579,728
SAW BLADE
Venanzio Cesaroni, Vancouver, British Columbia, Canada, assignor of sixty-two per cent to Sam H. Greer, Vancouver, British Columbia, Canada
Application June 23, 1947, Serial No. 756,506
In Canada July 22, 1946
4 Claims. (Cl. 143—133)



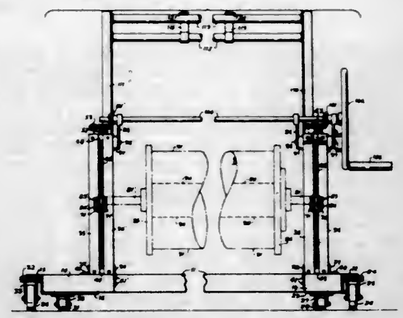
1. A saw comprising a blade, a plurality of straight-sided teeth formed at the edge of the blade, each having a tip at its outer end, said teeth being alternately set at their tips on opposite sides of the blade with large recesses formed in said blade at the front edges of the teeth, the tip of each tooth being bevelled at the inner corner of the front edge thereof which has been moved inwardly over the blade by the setting to form a transverse angular cutting edge, each tooth having its front edge between the bevel and the blade lying at right angles to the plane of the blade and a substantially vertical cutting edge at the outer side of the bevelled portion thereof, and all said inner corners being at least in line with each other.

2,579,729
AUTOMATIC TELEPHONE MESSAGE ACCOUNTING SYSTEM
Joseph W. Dehn, Great Neck, and Edward Vroom, Ossining, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 4, 1947, Serial No. 772,186
8 Claims. (Cl. 179—7.1)

1. In a telephone system adapted for the automatic production of a plurality of cards for each completed telephone connection, in combination with a calling line having a distinguishing designation, a called line, and means for establishing a talking connection therebetween, means responsive to the establishment and the termination of said talking connection, means responsive to said last-mentioned means for making a plurality of cards therefor, said means comprising means for applying impulses to said calling line, electronic devices responsive to said impulses for determining the designation of said line, recording means, and means responsive to the operation of said electronic devices for controlling said recording means, thereby to record said designation in each of said cards.



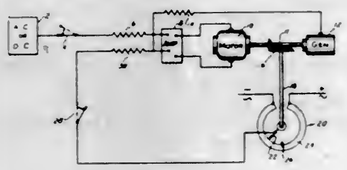
2,579,730
WARP BEAM AND HARNESS FRAME TRANSPORTING TRUCK
Noah W. Eurey, Lincolnton, N. C.
Application February 19, 1949, Serial No. 77,327
3 Claims. (Cl. 28—41)



1. A truck for transporting warp beams and harnesses to and from a loom comprising a substantially flattened U-shaped frame having a leg at each side thereof and being horizontally disposed, the two legs of the frame having a space therebetween which is greater than the space occupied by a loom, a plurality of wheels mounted on the lower portion of the frame for supporting it on a floor, there being a wheel on the lower surface near the ends of the legs of the U-shaped frame to permit the legs to pass on the outside of the loom frame, a pair of tubular posts rising vertically from the frame in spaced relation to each other and each having a threaded rod mounted therein, a horizontally disposed shaft disposed above the upper ends of the threaded rods and having a pair of bevel gears thereon, the upper ends of the threaded rods having beveled gears meshing with the beveled gears on the rotatable shaft, a vertically movable member disposed within each of the tubular posts and being threadedly penetrated by the threaded rods, the vertically movable members having outwardly projecting portions having cavities in their upper surfaces adapted to engage the spindles of a warp beam for elevating the same out of its conventional holding means on a loom, a pair of spaced upright bars disposed adjacent the vertically disposed tubular posts and extending to a substantially higher elevation than the tubular posts and having a pair of spaced members disposed between the proximate surfaces of

said upright bars and a pair of members pivoted on the lower of said spaced members and projecting upwardly and laterally above the upper one spaced members and to a point disposed above the warp beam carried by the vertically movable members and onto which harnesses are adapted to be placed for carrying the same along with the warp beam.

2,579,731
ZERO RETURN FOR ELECTROMECHANICAL INTEGRATORS
Samuel L. Fagin, New York, N. Y., assignor to Engineering & Research Corporation, Riverdale, Md., a corporation of Maryland
Application October 20, 1949, Serial No. 122,485
1 Claim. (Cl. 235—144)



In an electromechanical integrator of the type in which a shaft is displaced proportionally to the time integral of an incoming voltage, a motor, a shaft connected to said motor, a generator connected to said shaft, means connecting the output voltage of said generator to said motor, a first potential source, means normally connecting said first potential source to said motor for integration, means for returning said shaft to zero position comprising a second potential source, a potentiometer connected to said second potential source whereby a zero potential point is established on said potentiometer, a contact arm on said potentiometer connected to said shaft, means for connecting said contact arm to said motor and means for disconnecting said first potential source from said motor whereby the potential at the contact arm is combined with the voltage output of the generator to control said motor to return said shaft to zero position and said contact arm to said zero potential point.

2,579,732
COATED SEED
Stanard R. Funsten, Pasadena, and Frederick W. Burgesser, Compton, Calif., assignors to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 20, 1946, Serial No. 698,384
9 Claims. (Cl. 47—1)



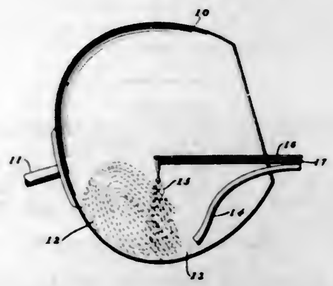
1. A seed pellet consisting of a plant seed embedded in a hard, dry, smooth, outer coating of a naturally adhesive composition, said coating comprising finely divided native sub-bentonite clay compacted as a unit about the seed by the inherent adhesivity of the finely divided sub-bentonite clay, said pellet having a thickness at least several times greater than the original plant seed and said coating being readily disintegrated upon contact with moisture.

2,579,733
COATED SEED
Frederick W. Burgesser, Compton, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
Application July 3, 1947, Serial No. 760,180
4 Claims. (Cl. 47—1)



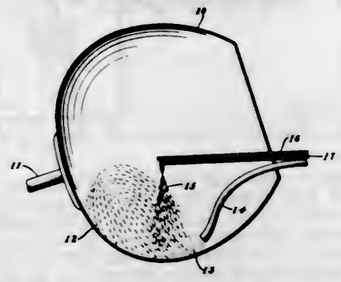
1. A seed pellet consisting of a plant seed embedded in a hard, dry, smooth, outer coating of a naturally adhesive composition, said coating comprising a mixture of finely divided native sub-bentonite clay and acid activated sub-bentonite clay so proportioned as to produce a pH value between 3.9 and 5.9, and being compacted as a unit about the seed by the inherent adhesivity of the finely divided sub-bentonite clay, said pellet having a thickness at least several times greater than the original plant seed and said coating being readily disintegrated upon contact with moisture.

2,579,734
SEED PELLET
Frederick W. Burgesser, Compton, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 16, 1949, Serial No. 116,123
10 Claims. (Cl. 47—1)



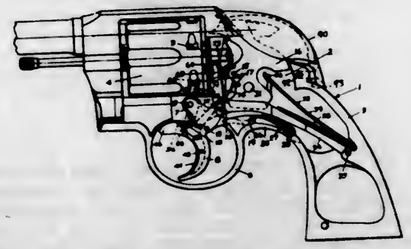
10. A seed pellet consisting of a plant seed embedded in a hard, dry, smooth, outer coating of a naturally adhesive composition, said coating being composed of an initial layer of finely divided native sub-bentonite clay and successive alternate layers first of a mixture of finely divided sub-bentonite clay and exfoliated vermiculite and secondly, of finely divided sub-bentonite clay, the whole of said coating being compacted as a unit about the seed by the inherent adhesivity of the finely divided sub-bentonite clay, said pellet having a thickness at least several times greater than the original plant seed and said coating being readily disintegrated upon contact with moisture.

2,579,735
COATED SEED
Frederick W. Burgesser, Compton, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 16, 1949, Serial No. 116,124
10 Claims. (Cl. 47—1)



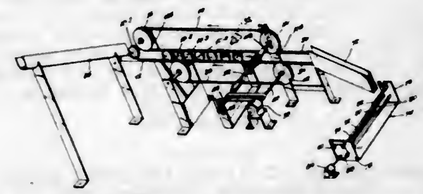
1. A seed pellet consisting of a plant seed embedded in a hard, dry, smooth, coating of a naturally adhesive composition, said coating having an inner layer of finely divided native sub-bentonite clay and an outer layer comprising a mixture of said finely divided native sub-bentonite clay and a natural fibrous cellulosic material, said inner and outer layers being compacted as a unit about the seed by the inherent adhesivity of the finely divided sub-bentonite clay, said pellet having a thickness at least several times greater than the original plant seed and said coating being readily disintegrated upon contact with moisture.

2,579,736
HAND GUN CYLINDER CONTROL AND TRIGGER MECHANISM
John H. Gartner, San Francisco, Calif., assignor to Samuel I. Keene, San Francisco, Calif.
Application June 21, 1948, Serial No. 34,189
16 Claims. (Cl. 42—66)



3. In a revolver including a retractable trigger, a revolvable cylinder and a cylinder rotating member connected with said trigger for actuation thereby and movable into engagement with said cylinder for rotating said cylinder at each retraction of the trigger, and means on said revolver accessible to the trigger finger of the hand when the latter is in a position holding the trigger in retracted position for moving said member out of cylinder actuating position during release of said trigger and the next immediate retraction thereof.

2,579,737
APPARATUS FOR ROTATING AND SPRAY PAINTING DISKS
Costanzo Giordano, Jr., Chicago, Ill.
Application March 20, 1947, Serial No. 735,964
7 Claims. (Cl. 91—44)



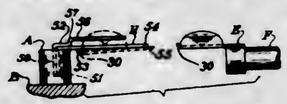
5. Painting equipment, comprising, in combination: opposed traveling supports; means for driving said supports in opposite directions with one of them traveling slightly faster than the other; means for delivering a series of closely spaced objects between said supports to be engaged thereby; and continuously operating jet means for applying coating at fixed points to said bodies as they move along between said supports.

2,579,738
STERILIZER TEST DEVICE
Wilfrid Hargreaves, Vancouver, British Columbia, Canada
Application April 2, 1948, Serial No. 18,682
2 Claims. (Cl. 73—358)



1. A device for testing sterility in surgical dressings comprising a transparent sealed tube enclosing a strip of absorbent material having a heat soluble coloured substance covering a portion of one of its sides, the corresponding portion of the opposite side having indicia displayed thereon, an opaque reagent secured to the strip to obscure the indicia, said reagent being secured in place by an adhesive consisting of linseed jelly and a detergent, said reagent being soluble in heat at not less than 240 degrees Fahrenheit and said coloured substance being soluble in the presence of the dissolved reagent and the solution of the adhesive subsequent to subjection of the device to more than five minutes at the above mentioned temperature and said coloured solution being adapted to disperse through the strip of material to provide a coloured background for the normally covered indicia.

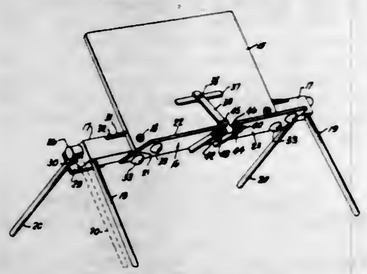
2,579,739
DETACHABLE CONNECTOR
Joseph H. Hayes, Lawrence, Mass.
Application June 28, 1948, Serial No. 35,569
3 Claims. (Cl. 173—259)



3. A slidably detachable electric connector comprising a first flat elongated metal tongue;

an elongated clamp of resilient metal having its longitudinal edge portions inturned to form a pair of oppositely disposed transversely tapering jaws, directed toward each other, each jaw having a rounded tip proximate the upper surface of said first tongue, said clamp having its front edge portion bent upwardly to form a rounded upstanding lip in contact with the lower surface of said first tongue and a second flat elongated tongue of resilient metal, extending parallel to and spaced above said first tongue, said second tongue having an axial notch extending longitudinally thereof with tapered side edges in contact with the under surface of said jaws whereby said inturned jaws, upstanding lip and notched tongue resiliently retain the first tongue in the clamp.

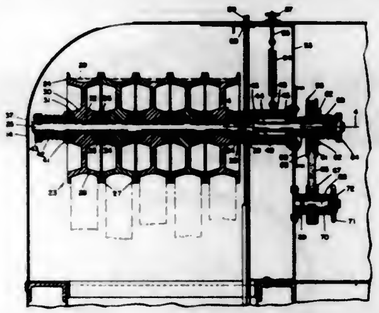
2,579,740
CONVERTIBLE FOLDING READING STAND
Vera D. Hiemenz, Montrose, Calif.
Application August 23, 1948, Serial No. 45,631
9 Claims. (Cl. 45—80)



1. In an easel, a panel for supporting a book, magazine or the like, a pair of thigh members pivoted to the lower corners of said panel for swinging movement in a plane parallel to that of the panel, and a pair of rods attached to the outer end of each thigh member, one rod of each pair being disposed substantially in the plane of swinging movement of the thigh members and the other rod of each pair being connected to the end of its respective thigh member for swinging movement about an axis generally parallel to the longitudinal axis of the thigh member, from a position substantially parallel to said one rod to a position in which the two rods are spread apart, said thigh members and rods being adjustable from positions in which the thigh members extend outwardly beyond the sides of the panel and said rods diverge downwardly for engagement with a supporting surface to function as legs, to positions in which said thigh members extend inwardly toward each other behind the panel and the legs extend upwardly within the area of the panel.

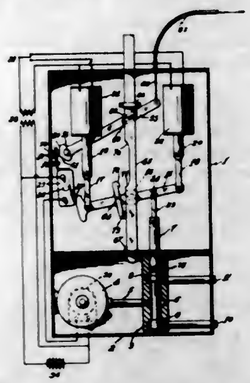
2,579,741
MOTION-PICTURE FILM DEVELOPER FEEDING DEVICE
Herbert W. Houston, Sherman Oaks, Calif., assignor, by mesne assignments, to Houston-Fearless Corporation, Los Angeles, Calif., a corporation of California
Application November 18, 1946, Serial No. 710,558
4 Claims. (Cl. 271—2.3)

1. In a motion picture film developer, a film feeding device comprising a plurality of film drive pulleys rotatably mounted on a driven shaft, said shaft being movable in a direction normal to its axis, frictional drive means having driven connection with said shaft and having frictional driving engagement with each of said pulleys, spring pressed means mounted to maintain said pulleys in frictional engagement with said frictional drive means, a divided V belt pulley having a portion thereof secured to said driven shaft, a second portion of said pulley having slidable



engagement with said driven shaft, and a power driven V belt having driving engagement with said divided pulley, said pulley being positioned to increase the driven radius of said divided pulley on a predetermined movement of said driven shaft in a direction normal to its axis.

2,579,742
HYDRAULIC PUMP AND MOTOR DOOR OPERATING MECHANISM
Henry D. Kaufman, Los Angeles, Calif.; now by judicial change of name Henry Kaufman De Lancey
Application September 23, 1948, Serial No. 50,707
9 Claims. (Cl. 60—52)



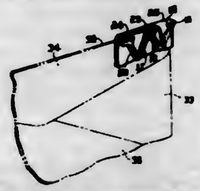
1. In a door operating mechanism having a cylinder and a piston connection extending therefrom, a hydraulic mechanism comprising, a valve, conduits from said valve to the ends of said cylinder, two magnets, connections from said magnets to operate said valve to control the passages through said conduits, a pump operatively connected with said valve, a circuit, a motor in said circuit connected to drive said pump, a self-closing switch in the circuit normally held open by said magnet connections and released for said closing movement each time one of the magnets is energized, and means movable with said piston connection for opening said switch at the end of each piston movement.

2,579,743
DRY CELL AND ELECTRODE THEREFOR
Sam Kurlandsky, Freeport, Ill., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application December 31, 1949, Serial No. 136,373
3 Claims. (Cl. 136—121)



1. In a primary cell containing a liquid electrolyte, a thin, flexible, sheet-form, conductive carbonaceous electrode impervious to said electrolyte and capable of conducting electrical current to a conductive element by dry contact of the broad surface thereof with said element, comprising a thin, flexible, foraminous, non-conductive sheet, a conductive carbonaceous composition comprising carbon particles and a binder substantially filling the openings of said foraminous sheet and thinly coating both surfaces of said sheet, said carbonaceous composition having minute openings therein and depressions in the surfaces thereof, and a wax filler filling said minute openings and covering the bottoms of said depressions, the undepressed areas of said surfaces being substantially free of wax.

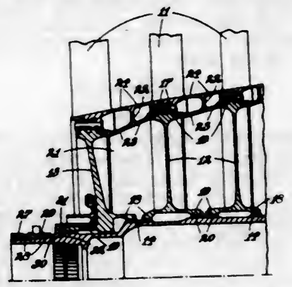
2,579,744
ENVELOPE OPENER
Peter Leinweber, Vancouver, British Columbia, Canada
Application October 11, 1948, Serial No. 53,975
2 Claims. (Cl. 30—294)



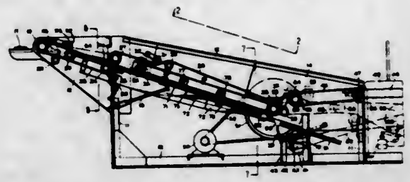
1. An envelope opener comprising an elongated blank folded lengthwise to form a substantially U-shaped guide, a cutter arm connected at one end to an end of the guide and bent around to fit within the latter, said arm having at least one substantially V-shaped section with the bottom of the V remote from the guide fold, the free end of said arm resiliently bearing against the under side of the fold of the guide, a cutting edge formed on the arm at the bend thereof and facing the guide, and at least one teeth on the free end of the arm extending at an angle towards the guide fold and the cutting edge.

2,579,745
AXIAL-FLOW COMPRESSOR OR TURBINE
Adrian Albert Lombard, Allestree, Kenneth Ivor Clifford Vincent, Alvaston, and Frederick William Walton Morley, Aston-on-Trent, England, assignors to Rolls-Royce Limited, Derby, England, a British company
Application February 10, 1948, Serial No. 7,487
In Great Britain February 17, 1947
5 Claims. (Cl. 230—134)

1. A rotor for a multi-stage axial-flow compressor or turbine comprising a central shaft, rotor blading, and a plurality of axially-spaced discs carrying the rotor blading peripherally thereof, a pair of oppositely directed axial cylindrical extensions on each of a number of said discs at the center thereof and integral therewith, said extensions surrounding the shaft, each of said extensions having a radially reduced portion radially deformable along its length to permit expansion of the associated disc relative to the shaft under centrifugal loads, and a radially enlarged free end portion capable of substantially resisting radial deformation by such centrifugal loading, the free end of one of the extensions engaging the shaft to support and to maintain alignment of the disc on the shaft, and the free end of the other of said extensions torsionally and slidably engaging the shaft for free axial movement on the shaft.



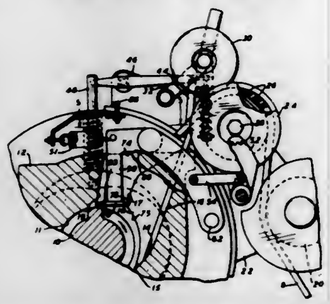
2,579,746
MACHINE FOR FOLDING LIMP, FLAT ARTICLES
Clifton S. Malott, Jr., Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application November 23, 1946, Serial No. 711,967
4 Claims. (Cl. 270—66)



1. Folding apparatus of the character described for folding a limp, flat article, comprising an elongated thin flat supporting plate having opposite generally parallel longitudinally extending side edges and upon the upper surface of which a portion of the limp flat article may be supported in horizontal position with two side wings thereof each depending from a longitudinal line of fold extending along one of said edges, means for advancing said article along said supporting plate, and two stationary folding members comprising a first and a second folding plate each spaced from a respective side edge of the supporting plate, and each having a folding portion of twisted form which progressively changes from depending vertical disposition at its front article-receiving end to horizontal disposition at its rear end, the said first folding plate near said rear end being spaced immediately below and parallel to the rear end portion of said supporting plate, and the said second folding plate near its rear end being spaced

immediately below said first folding plate, and parallel both to the rear end portion of said first folding plate and the rear end portion of said supporting plate, the twisted portion of the first said folding plate beginning at a point in advance of that of the second said folding plate, whereby the depending side wings of an article advanced along said supporting plate are successively and progressively folded inwardly and upwardly along fold lines adjacent the said side edges of said supporting plate, and during the entire operation are firmly supported throughout their entire area.

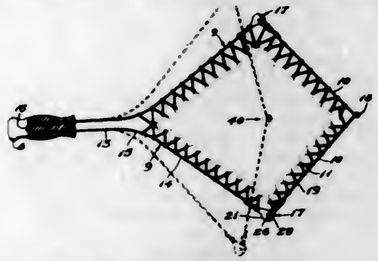
2,579,747
COMPOUND-FEEDING APPARATUS
Samuel M. Martin, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 28, 1949, Serial No. 96,095
7 Claims. (Cl. 18—12)



6. An extruder, which comprises an extrusion cylinder having a bore extending therealong from an entrance end thereof to a delivery end thereof and also provided with a feed throat extending into the bore generally transversely to the axis of the bore near the entrance end of the bore, means for feeding a strip of compound into the portion of the feed throat spaced from the side thereof nearest the delivery end of the bore, a stock screw for engaging a strip of compound fed into the feed throat by the strip-feeding means and conveying it into the bore and into a pile in the portion of the feed throat nearer the delivery end of the bore, a feeler shoe mounted for movement along the feed throat in the portion thereof nearer the delivery end of the bore, said shoe having sharp edges for scraping walls of the feed throat, a spring pressed arm secured to the shoe and spaced from said walls of the feed throat for urging the feeler shoe against compound piled up in said portion of the bore, a wedge for forcing compound from between one side of the arm and the wall of the feed throat adjacent thereto, and means responsive to movement of the arm for regulating the strip-feeding means.

2,579,748
FOLDING LANDING NET
Fredrick A. Matthews, Van Nuys, Calif.
Application August 24, 1946, Serial No. 692,804
5 Claims. (Cl. 43—12)

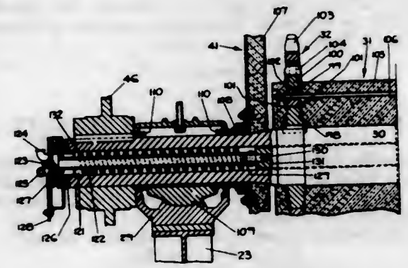
1. A self opening collapsible landing net and holster assembly comprising, in combination: a holster; a net; a handle; a pair of resilient substantially parallel shaft members projecting in spaced relation from one end of said handle; and an articulated net supporting and mouth defining frame comprising first and second pairs of arms, connecting members normally having a bend integrally uniting the arms of the first pair to the respective shaft members with said arms of the first pair normally diverging from said shaft members, lateral hinges joining the outer ends of the arms of the first pair to the arms of the second pair, and a center hinge joining the arms of the second pair to each other, whereby the frame may assume a collapsed position in which the arms of the second pair are folded between the arms of the first pair with the center hinge projecting toward the handle and the arms of the second pair drawn together so that all arms are substantially parallel; the frame, in said collapsed position, being received within the holster with the lateral hinges clearing each other and disposed adjacent the bottom of the holster, and the handle projecting from the holster; the frame being adapted to open from said collapsed position, in a snap-opening movement, triggered by release of said lateral hinges from the holster,



in which opening movement the arms of the first pair spread apart and the arms of the second pair are projected along the axis of and away from the handle, through an on-center position in which they are aligned with each other with the arms of the first pair at maximum angle of spread; and the normal angular relation between the arms of the first pair and said shaft members being such that, at said maximum angle of spread the arms of the first pair will be subjected to a resilient closing bias resisting return of the arms of the second pair from their aforesaid positions of maximum projection so as to maintain the frame in its said distended position, whereas in said collapsed position, the arms of the first pair will be subjected to a spreading bias which in itself is operative, when the frame is released from the holster, to effect the aforesaid opening movement and projection of the arms of the second pair with sufficient force to develop therein, momentum which is effective to project them through said on-center position, spreading the arms of the first pair with a toggle action and stressing them so as to develop said closing bias.

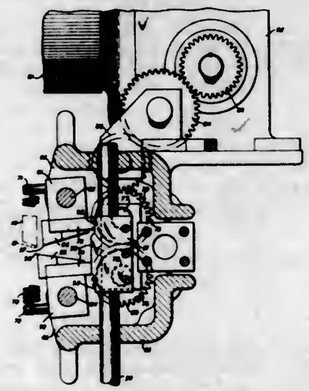
2,579,749
SPROCKET WHEEL CONSTRUCTION
Stanley M. Mercier, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application September 1, 1943, Serial No. 500,799. Divided and this application November 23, 1946, Serial No. 711,909. In Canada June 12, 1944
2 Claims. (Cl. 263—8)

1. A driving member for a conveyer adapted to convey hot material including a shaft adapted to operate at a relatively low temperature, a thermal compensating sprocket wheel rigidly supported upon said shaft adapted to drive hot chain elements of the conveyer, said thermal compensating sprocket wheel including a hub member rigidly secured to said shaft and a plurality of concentric ring members carried by said hub, said concentric ring members being under tension at atmospheric temperature, sprocket teeth carried by the outer of said concentric rings each tooth



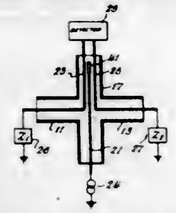
having in its bottom a groove which receives said outer ring, the tooth thereby having root parts on opposite sides of said outer ring, means including pins extending tightly through aligned openings in said root parts and outer ring tightly attaching said teeth to said outer ring, and insulating material on said shaft embedding said wheels except for said outer concentric rings.

2,579,750
SHEARING MACHINE
Harry H. Merwin, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1949, Serial No. 130,445
9 Claims. (Cl. 164—42)



1. A machine for shearing longitudinally advancing material into given lengths comprising a main shearing blade movable back and forth across the path of the material and having opposing shearing edges, movably supported companion shearing elements to cooperate with their respective shearing edges of the main shearing blade to shear the material into predetermined lengths during each movement of the main shearing blade, means normally moving the shearing elements out of shearing position, and mechanisms operable in timed relation with the blade to alternately move the companion shearing elements into shearing positions.

2,579,751
HIGH-FREQUENCY BRIDGE CIRCUIT
Robert B. Muchmore, Hawthorne, Calif., assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application November 26, 1948, Serial No. 62,047
4 Claims. (Cl. 178—44)



1. A radio frequency bridge device, including two coaxial transmission line sections with the proximate ends of their outer conductors abutting and joined, a third outer conductor joined at the junction thereof to said first two outer conductors, the inner conductors of said first mentioned lines being continued through said junction and in symmetrical relationship to each other through said third outer conductor and parallel to the axis thereof, a further coaxial line with its outer conductor joining said other outer conductors at said junction, the inner conductor of said further coaxial line extending through said junction into said third outer conductor, and means short-circuiting said inner conductor to said third outer conductor.

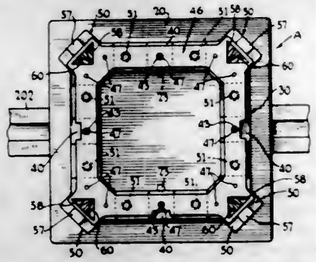
2,579,752
PROCESS FOR BLACKENING IRON AND STEEL AND COMPOSITION OF MATTER THEREFOR
Isaac Laird Newell, Wethersfield, Conn.
No Drawing. Application March 11, 1950, Serial No. 149,204
10 Claims. (Cl. 148—6.24)

6. The process of blackening iron and its alloys in which the metal is immersed in a solution consisting of a water solution of an alkali metal salt of an aryl sulphone monochloramide made alkaline with an alkali metal hydroxide, the hydroxide content being at least 15 times and not more than 125 times by weight of the chloramide, said solution containing sufficient water to give a boiling point from 250 to 300° F. and said solution being heated to a temperature between 250 and 300° F. and the metal held in said solution for a sufficient time to produce the desired depth of black.

2,579,753
PUNCHING AND FORMING MECHANISM
Glenn H. Norquist, Jamestown, N. Y.
Application November 28, 1944, Serial No. 565,525
3 Claims. (Cl. 153—21)

1. Mechanism for forming predetermined crimps in a corner section of a metal panel sheet including in combination, a base block presenting a supporting face providing a firm support for the panel adjacent the corner section thereof to be crimped, said base block presenting a crimping die face contoured in conformity with the crimp to be formed in the corner section of the metal sheet, a reciprocable pressure block, a pressure plate designed to overlie the areas of the metal sheet which surround the corner section thereof to be crimped, means for resiliently supporting said pressure plate from said pressure block, a die member presenting a die face

at one end thereof complementary to the underlying die face associated with said base block, said die member having a head portion designed to have limited telescoping movement in a conforming cavity provided in said pressure block, a compression spring associated with said die member operative to maintain the die face thereof in extended position, said pressure plate having an opening therein aligned with the die



face of said base block through which the die face of the adjacent die member may project, and resilient means positioned between said pressure plate and pressure block for normally retaining said pressure plate in extended position operative to exert resilient compressive pressure against the area of said metal sheet surrounding the metal corner section to be crimped to limit the deformation of said metal sheet to the corner area to be crimped.

2,579,754

CONTROL VALVE AND BOOSTER FOR LUBRICANT NOZZLES

John J. Pacey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application December 12, 1950, Serial No. 200,465

5 Claims. (Cl. 222—124)



1. A lubricant control valve, comprising a body having a passage therethrough with an inlet adapted for connection to a supply of lubricant under pressure and an outlet for delivery of the lubricant, a valve in said passage near the inlet, first and second check valves in said passage at longitudinally spaced locations between said first-named valve and outlet, both said check valves opening only in the direction of flow of the lubricant through said passage and the second check valve being located nearer the outlet than the first check valve, means for controlling the first-named valve including a reciprocable member crossing said passage at a location between said check valves and movable in one direction to cause the opening of the first-named valve and in an opposite direction to cause closing of such valve, said member having thereon a displacement portion, said member when moved in the first-named direction moving said displacement portion to displace lubricant from that portion of the passage between the check valves and expel it through the second check valve to boost the pressure of the lubricant delivered through said outlet.

2,579,755

PROCESS FOR PRODUCING AN ETHYL CELLULOSE HOT-MELT COMPOSITION

George H. Pyle, Hopewell, Va., and John S. Tinsley, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 24, 1947, Serial No. 793,760

6 Claims. (Cl. 106—181)

1. In the process for producing a thermoplastic ethyl cellulose hot-melt composition by heating to elevated temperature to compound the composition by melting whereby color degradation is caused during the compounding, the steps to improve color which consist in adding to the composition prior to compounding by melting from about 1% to about 10%, based on the ethyl cellulose, of a lower dialkyl ester of oxalic acid containing less than 6 carbon atoms in the alkyl groups, and thereafter compounding the composition in the presence of said lower dialkyl ester of oxalic acid by melting and mixing at an elevated temperature between about 135° C. and about 200° C. to obtain a fluid hot-melt composition resistant to color degradation by heat.

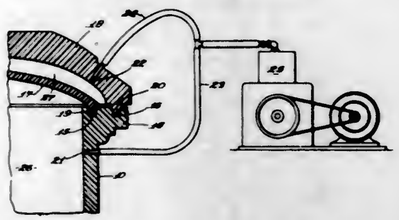
2,579,756

PLASTIC CASKET

Charles M. Reed, East Chicago, Ind.

Application July 31, 1947, Serial No. 764,963

1 Claim. (Cl. 27—7)



In a casket, the combination of a base portion of generally rectangular shape and formed of opaque plastic material having a marginal ledge around its outer edges with a pair of endless sealing surfaces comprising tapered interior and exterior grooves extending around the ledge and spaced apart from each other to support an interior cover shell and exterior top cover respectively, said grooves being adapted to receive a solvent material, an interior cover shell over the base portion to define an interior cavity of the casket, the shell comprising a single thin convex plastic sheet including a tapered marginal tongue adapted to be received in the inner sealing groove of the base ledge, an exterior cover comprising an opaque plastic top larger than the inner cover and also including a tapered marginal tongue adapted to fit in sealing engagement with the outer groove of the base ledge to seal the space between the top and the inner shell, together with an air port through the base portion and a second air port in said cover shell whereby a source of minus pressure and conduit means may be connected to both of said air ports to thereby apply a minus pressure to the interior cavity of said casket and the space between the convex plastic sheet and the exterior cover, and whereby atmospheric pressure on the surface of the exterior cover may be utilized to effect a pressure fusion of the tongue of the outer shell with the corresponding groove of the base portion.

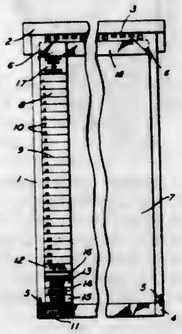
2,579,757

VISIBLE CARD INDEX

Robert W. Riggs, Stamford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application April 30, 1946, Serial No. 665,974

1 Claim. (Cl. 129—16.7)



In a visible index, the combination of a card holder having a supporting sheet adapted for hinging movement relative to said holder along a line of perforations adjacent one margin, formed with diagonal corner slots at opposite ends of said sheet adjacent said margin and having a transparent sheath embracing and attached to the opposite margin, an index card having one margin engaged in said sheath, and a second sheath embracing the margin of said index card opposite said one margin detachably engaging in said corner slots therewith at opposite ends.

2,579,758

DISPENSING AND DISPOSING TISSUE CONTAINER

Abraham W. Rosenman, Fairfield, and Rudolph F. Greiser, Easton, Conn.

Application February 12, 1949, Serial No. 76,108

1 Claim. (Cl. 206—57)



A collapsible plural chamber container for tissues or the like, which in its unassembled state has the form of a planar blank of generally inverted T-shape including a plurality of wall members arranged in a row extending in the stem portion of said T-shaped blank and in the central portion of the cross bar of the T-shaped blank; a plurality of gussets radiating from the central portion of the said cross bar portion; a closure member disposed on the free end of said stem portion; a second closure member disposed on the lowermost free edge of said cross bar portion; and first and second pleat portions extending on said cross bar portion transversely of the stem portion; said first and second closure members being provided with actuating tabs.

2,579,759

RESINIFYING HYDROXYL FORMYL ACETOPHENONES, ACETOXY BENZALDEHYDES, AND METHOXY DERIVATIVES THEREOF

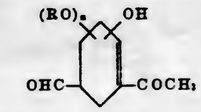
Alfred Russell, deceased, late of Cincinnati, Ohio, by Chester R. Shook, administrator, Cincinnati, Ohio

No Drawing. Application September 18, 1948, Serial No. 50,234

6 Claims. (Cl. 260—47)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising heating to at least 60° C. a formyl acetophenone derivative of the formula



wherein R is selected from the group consisting of hydrogen and methyl and wherein n is a whole number from 0 to 1, and in which compound the indicated OH group is in one of the positions ortho and para to the CHO group, dissolved in a volatile solvent in the presence of an acidic condensing agent to form a water-insoluble condensation product and isolating said product from the reaction mixture.

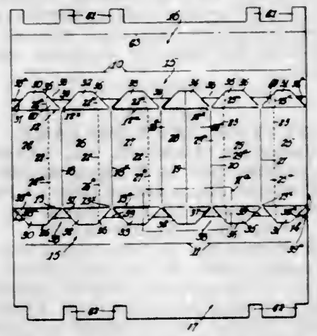
2,579,760

FOLDING CARTON

William R. Saidel, Green Bay, Wis.

Application March 18, 1949, Serial No. 82,221

5 Claims. (Cl. 229—27)



1. A blank for a carton of the kind described embodying therein a rectangular piece of paper board material including a central panel, a panel at each side of and joined to the central panel by a cut and scored line and at least a fourth panel joined to one of the side panels by a scored line, said central panel having trans-

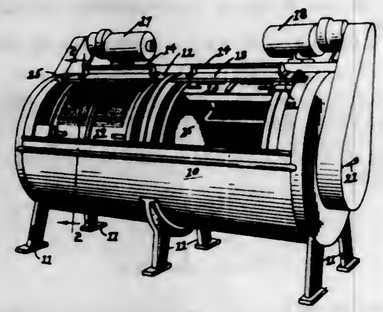
verse cut and scored lines terminating at said first mentioned cut and scored lines and dividing the same into sections, each having truncated triangular full width wings at their ends cut from each side panel and foldably joined thereto by parts of said cut and scored lines between said central and said side panels, each wing having converging side edges, parts of each of said wings being joined to parts of each side panel by scored lines included in one side edge of each wing.

2,579,761

WASHING MACHINE ATTACHMENT

Albert H. Schmidtke, St. Joseph, Mich., assignor to St. Joe Machines, Inc., St. Joseph, Mich., a corporation of Michigan

Application January 10, 1948, Serial No. 1,552
2 Claims. (Cl. 68—139)



1. A safety attachment for a washing machine having an outer cylindrical shell and an inner cylindrical tumbler mounted for rotation with respect to said outer shell, an access opening through each of said outer shell and said tumbler and a first arcuate closure segment for closing said outer shell and a second arcuate closure segment for closing said tumbler, said openings being adapted for register at one position of rotation of said tumbler, said safety attachment comprising: radially outwardly, projecting, rigid stop means on said second closure segment adjacent the leading edge of said second closure segment as said second closure segment is moved to closed position; an arm pivotally mounted on said outer shell and projecting through said opening in said outer shell between said first closure segment and said rigid means on said second closure segment for engaging said rigid stop means.

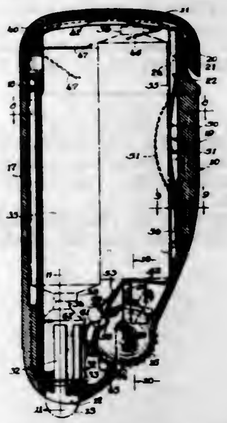
2,579,762

FLAT POCKET HAND LAMP

Earl L. Schofield, Rockford, Ill., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware

Application December 26, 1947, Serial No. 793,911
4 Claims. (Cl. 240—10.65)

1. In a handlamp, a non-conductive casing having a lamp socket at one end thereof and an openable cover at a portion thereof remote from said socket, a lamp in said socket, a battery in said casing having one terminal in connection with one terminal of said lamp, an abutment in said casing closely adjacent to the second terminal of said battery, a resilient elongated conductive switch member having a first portion anchored to said casing and in stressed condition between the interior of said casing and a side of said battery and a second portion sandwiched between said abutment and said second terminal, said second portion being urged against said abutment by said second terminal whereby rigid support is provided for said second portion and a positive electrical connection is made with said second terminal, and a third portion adjacent to and normally out of contact with the second terminal of said lamp, and a switch-operating member mounted for oscillation in said casing and having a portion thereof exposed at the exterior of said casing for manual manipulation to the on and off positions, said operating member when moved from the off to the on position moving said third portion of said switch member from said normal position into connection with said second terminal of said lamp.

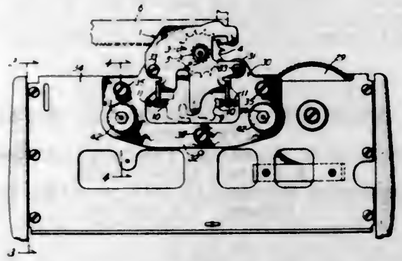


2,579,763

CUSHIONED ESCAPEMENT SUPPORT

Frederick W. Schremp, Elmira, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application December 22, 1948, Serial No. 66,672
4 Claims. (Cl. 197—82)



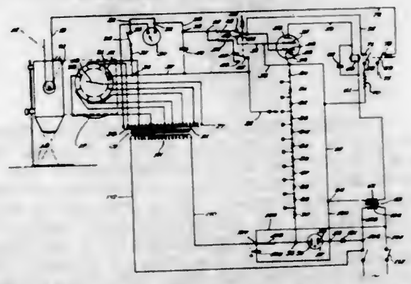
1. The combination in a typewriter having a main frame having a back plate and an escapement wheel and dog mechanism operably mounted on a bracket formed of a flat plate, of a cushioned escapement mounting comprising a supporting plate, means detachably mounting the plate forming said bracket with one face engaged with one face of said supporting plate, means for mounting said supporting plate with the opposite face in frictional engagement with one face of said back plate of said main frame for limited movement, said frame and supporting plate having registering apertures therein and shock absorbing means mounted in said registering apertures for retaining said plate against movement relative to said frame and absorbing shocks and impacts applied to said plate.

2,579,764

TIMER FOR CONTROLLING THE OPERATION OF PHOTOGRAPHIC ENLARGERS

Donald O. Schwennesen, Chicago, Ill.

Application December 9, 1948, Serial No. 64,360
4 Claims. (Cl. 250—217)



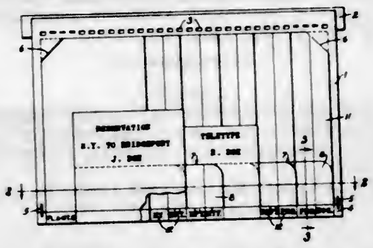
1. A system for controlling the duration of energization of a lamp for photographic exposures, said system comprising a photo-electric cell having cathode and anode, a condenser and source of potential connected in series with said cathode and anode so that said cell controls a charging current to said condenser, said condenser having one terminal whose potential rises positively with respect to the other condenser terminal during charging, a grid controlled gas tube having thermionic cathode, control grid and anode, a connection including a first position of a switch from said one condenser terminal to said control grid, a source of alternating potential and relay in series connected to said gas tube cathode and anode, a bias resistor having one terminal connected to said gas tube cathode, a source of direct potential having its positive terminal connected to said gas tube cathode and its negative terminal connected to said other terminal of said bias resistor, a connection between the other terminal of said condenser and a point on said bias resistor, a second switch connected across said condenser for short circuiting said condenser, a connection including a second position of said first named switch for connecting said gas tube control grid and cathode, a lamp energizing circuit including normally engaging contacts for said relay, said two switches being tied together for simultaneous operation with said first switch normally connecting said one condenser terminal to said gas tube control grid and said second switch normally being open whereby in the absence of light upon said cell, said condenser remains in a discharged condition and said gas tube is in firing condition with the relay being energized and maintaining the lamp circuit open and upon operation of said switches to an off-normal position, the one terminal of said condenser is disconnected from the gas tube control grid and connected to the other terminal of said condenser with the condenser being short-circuited and the potential of both terminals thereof being negative to the gas tube cathode, and upon release of said switches back to normal, said control grid of the gas tube is dropped below its cut-off potential to cut the gas tube off, said cell being adapted to gradually charge said condenser and raise the potential of said one condenser terminal and the gas tube control grid to the firing point whereupon said relay is energized and opens said lamp circuit.

2,579,765

VISIBLE INDEX

Simon C. Skeels, Scarsdale, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application July 5, 1946, Serial No. 681,470
4 Claims. (Cl. 129—16.7)



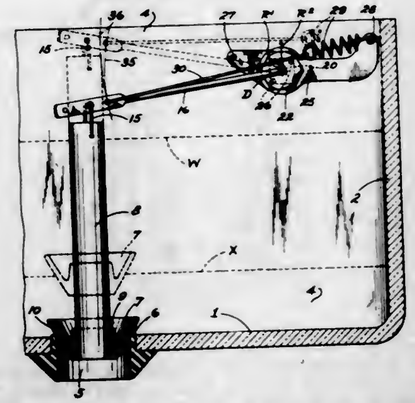
1. A card index comprising a card holder having a transparent sheath embracing a margin thereof, a plurality of index strips transversely folded intermediate their ends to form a substantially V-shaped member having front and rear portions and having the said front and rear portions interengaged in offset overlapping relation one in another, said interengaged front and rear portions being engaged in said sheath with the folded portion at the bottom of the sheath in visible indexed relation along the margin of said card holder, and means engaged between said front and rear portions for detachably retaining said interengaged index strips in said sheath for cooperation to provide a plurality of separated visibly indexed pockets extending into said sheath on the margin of said card holder for independently receiving index inserts between adjacent index strips for display through said sheath.

2,579,766

FLUSH VALVE MECHANISM

Harry F. Smith, Lexington, Ohio, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio, a corporation of Ohio

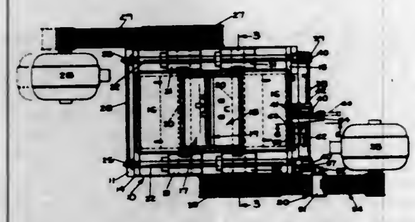
Application August 23, 1949, Serial No. 111,893
4 Claims. (Cl. 4—58)



1. A flush valve mechanism for toilet tanks comprising a valve seat, a valve to engage said seat and provided with a water reservoir, an overflow pipe passing through the valve and attached at its upper end to a manually operated lever

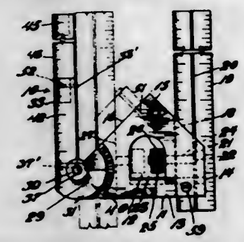
having a journalled bearing in the side of the tank, anchor means fixed in position on the opposite side of, and in a horizontal plane above that of, the journalled bearing, a member connected at one end to the lever near said pipe and extending in a plane above said bearing, and connecting means connecting the other end of said member to said anchor means, said connecting means being resiliently yieldable longitudinally of the axis of said member.

2,579,767
PARALLEL MOTION ROLL CRUSHER
Orval R. Strawn, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application September 13, 1949, Serial No. 115,379
13 Claims. (Cl. 241—32)



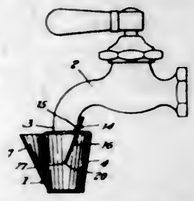
1. A double roll crusher including a frame, a roll mounted on said frame for rotation on an axis, a second roll mounted on said frame for rotation parallel with the axis of said first roll, means mounting said second roll for parallel motion toward and from said first roll, said mounting means including slidable bearings supporting opposite ends of said second roll, a rockable cross shaft, linkages including radial arms on said rockable cross shaft interconnecting said bearings to opposite ends of said cross shaft, and shear pin means for releasably holding said rock shaft against rocking movement whereby said second roll is held in its operating crushing position.

2,579,768
COMBINATION TOOL
Albert A. Tefft, Pawtucket, R. I.
Application October 9, 1947, Serial No. 778,950
3 Claims. (Cl. 33—93)



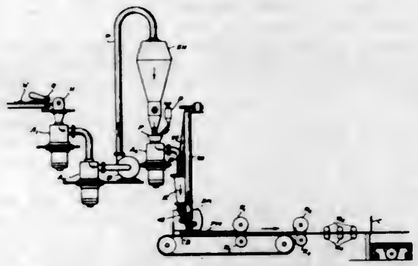
1. A combination tool comprising a base, a recess in an edge of said base, a ruler slidably received in said recess, said ruler having graduations provided by grooves in its surface, and a spring-pressed ball located in a bore opening into said recess and urged into one of said graduation grooves to hold the ruler in adjusted position in said recess.

2,579,769
DRINKING FOUNTAIN ATTACHMENT
Edward P. Tyler, North Hollywood, Calif.
Application March 31, 1947, Serial No. 738,338
2 Claims. (Cl. 299—9)



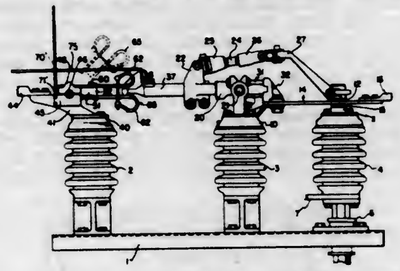
1. A drinking fountain attachment for a faucet, including a body formed with a through bore having upper and lower counterbores of one diameter and an intermediate counterbore of lesser diameter, and formed with a bore at an angle to the axis of the beforementioned bores, said last named bore communicating with the lowermost counterbore in the body, a resilient flap valve interposed between the counterbore of lesser diameter and the lowermost counterbore; and means for positively moving the flap valve from a horizontal position to a position at an angle to the axis of the through bore.

2,579,770
FIBER DISPERSING MACHINE AND METHOD
Curt Uschmann, Lebanon, Oreg., assignor to Cascades Plywood Corporation, Portland, Oreg., a corporation of Delaware
Application July 30, 1947, Serial No. 764,636
14 Claims. (Cl. 154—1)



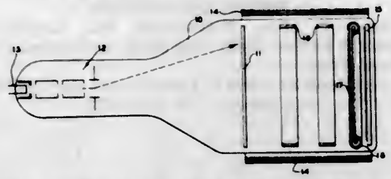
1. In fiber dispersing apparatus, the combination of an elongated receptacle having a plurality of outlet apertures arranged in a row therein, a receiving surface beneath said receptacle, a plurality of toothed disks corresponding in number with the number of such apertures, rotatably received in said apertures and operable to extract through said apertures predetermined quantities of fibers from the general mass of fibers contained in said receptacle as said disks are rotated therein, a plurality of brushes coacting with said disks and rotatable at substantially higher peripheral speed than said disks operatively to sweep extracted fibers therefrom to scatter said fibers uniformly onto the receiving surface, and screw conveyor means located within said receptacle, which conveyor means is operable to move portions of the general mass of fibers contained within said receptacle continuously in a direction past said apertures, to maintain a supply of fiber material at said apertures.

2,579,771
ELECTRIC SWITCH
Pickett L. Warren and Frank E. Schultz, Chicago, Ill., assignors to Royal Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 23, 1948, Serial No. 22,856
14 Claims. (Cl. 200—48)



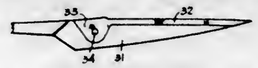
1. An electric switch having a switch contact comprising a contact rod carrier, a pair of spring contact rods secured thereto, each rod being free of the carrier at an end of the rod, the rods adjacent their ends being curved away from one another and back towards the carrier for guiding a contact making member between them, the rods being adapted to be engaged substantially midway between the carrier and said ends by a contact making member which is adapted to flex the engaged portions of the rods from their normal positions and change the spacing between the engaged portions of the rods, and means connecting together the ends of the rods so that the resiliency of the rods between the engaged portions and the ends is utilized to maintain pressure between the rods and a contact making member between them.

2,579,772
METHOD OF MAKING AN IMAGE STORAGE SCREEN
Marshall P. Wilder, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application October 17, 1949, Serial No. 121,679
4 Claims. (Cl. 117—33.2)



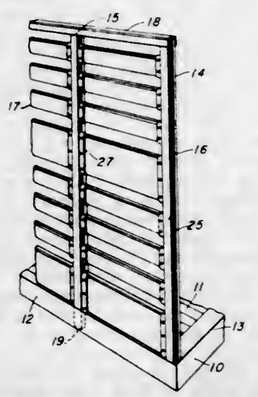
1. The method of making an image storage screen which includes the following steps; coating one side of the metal portions of a metallic screen with a thin film of antimony, depositing a continuous film of nitrocellulose onto the antimony side of the screen, depositing a reinforcing film of aluminum on the nitrocellulose, applying a continuous film of a non-conducting substance to the screen and the nitrocellulose film, removing the aluminum and nitrocellulose films by washing in a solution of sodium hydroxide and water, placing the screen in a container, reducing the pressure therein, heating cesium to evaporate it and deposit it on the antimony side of the screen to provide a thin photosensitive surface, and raising the temperature of the screen to form discrete cesium drops on the non-conducting surface.

2,579,773
SHEARS
Charles H. Williams, Bridgeport, Conn., assignor of thirty-nine one-hundredths to Louis W. Randall and ten one-hundredths to Ingolf C. Tengesdahl, both of Bridgeport, Conn.
Application April 22, 1949, Serial No. 89,106
1 Claim. (Cl. 30—350)



A composite shear blade comprising a body portion of tough unhardened forged steel having a face bowed to conform to the requisite curvature of a shear blade for proper cutting, said body portion having a pivot opening therethrough, a recess extending transversely into the body portion from one edge in the vicinity of said opening and surrounding the same and a narrow rabbet providing two angularly related surfaces extending longitudinally along said edge from the recess to the end of the body portion; and a thin precurved rigid tungsten carbide insert of substantially uniform thickness throughout its length having a bowed face corresponding to said curvature with an enlarged portion extending laterally of the edge and interlockingly seated in said recess and forming a bearing block for a pivot pin, two longitudinally extending faces fitting in and permanently joined to the surfaces formed by said rabbet, and an outer cutting edge formed extending from said bearing block to the end of the body portion, the portions of the insert received in the rabbet being not over one-half the width of said enlarged portion.

2,579,774
VEHICLE SIDE RACK
Richard P. Akey, Fort Worth, Tex., assignor to Hobbs Manufacturing Company, Fort Worth, Tex., a corporation of Texas
Application November 3, 1949, Serial No. 125,263
2 Claims. (Cl. 296—3)



1. A vehicle side rack including, a plurality of spaced upright stakes, each stake having a pair of channel members secured one within the other with their webs opposed and forming the inner and outer sides of the stake, the inner channel member having its outwardly directed flanges overlying the inwardly directed flanges of the outer channel member and terminating substantially flush with its outer web, the flanges of the channel members being continuous and

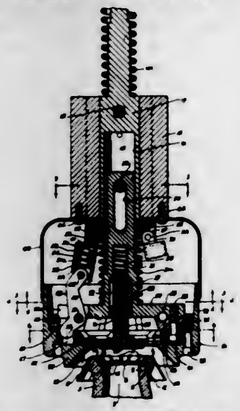
uninterrupted, slats extending between the stakes, lateral tongues made integral with the outer portions of the overlying flanges and in substantial alinement with the outer web, and fastening means connecting the end portions of the slats to the inner surfaces of the tongues with the end faces of said slats in abutting relation to said overlying flanges, whereby said slats are disposed between the inner and outer sides of said stakes and have their outer surfaces substantially flush with said outer sides.

2,579,775

CAPPING HEAD

Kenneth R. Allen, Ridgewood, and Herbert G. Vore, Forest Hills, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware

Application April 24, 1946, Serial No. 664,616
5 Claims. (Cl. 226—86)



1. A capping head for applying a flexible skirted hood cap to the mouth of a bottle comprising a forming ring having a centrally disposed opening therethrough through which a bottle having a flexible skirted hood cap loosely applied to the mouth thereof is adapted to be inserted, a plurality of jaw segments circumferentially arranged about the inner end of said opening and mounted to slide radially on said ring and a plurality of toggle mechanisms connected to actuate said jaw segments, said toggle mechanisms each comprising a pivoted lever connected to one of said jaw segments and an extensible and contractable link connected to said lever to actuate same, a support pivotally connected to said links, said support and ring being mounted for relative movement toward each other to actuate said toggle mechanisms in response to the insertion of a bottle through said opening to thereby simultaneously move said jaw segments radially inward to fold and clamp the flexible skirt of said cap against the neck of said bottle, said links each comprising a block having a bore, a plunger slidable in said bore and a resilient member in said bore opposing the inward movement of said plunger.

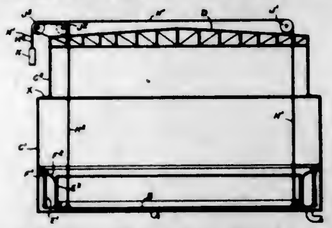
2,579,776

DRY SEAL PRESSURE TYPE GAS HOLDER

John W. Allen, Chicago, Ill., assignor to John H. Wiggins, Chicago, Ill.

Application July 9, 1948, Serial No. 37,796
3 Claims. (Cl. 48—178)

1. In a fluid storage apparatus, the combination of a container having a vertical side wall that comprises a lower cylindrical portion, a cylindrical upper portion offset inwardly from said lower portion and rigidly connected to same by a substantially horizontally-disposed part that serves as a stop, a vertically-movable piston in said container spaced away from the container side wall and provided with a rigid cylindrical backing member attached to the piston and projecting upwardly from the top side of same, a vertically-shiftable backing member of tubular form arranged in concentric relation with the backing member on the piston and disposed at a point below and in vertical alignment with the previously mentioned horizontally-disposed stop part of the container side wall, an outer fabric sealing element of approximately annular form having one of its edges attached to the lower cylindrical



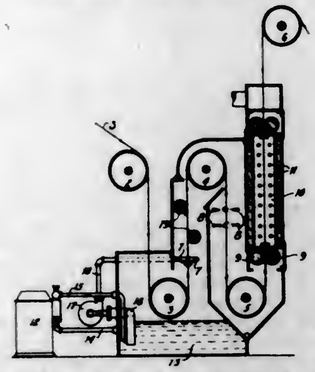
portion of the container side wall and its other edge attached to the lower end of said vertically-shiftable backing member, and an inner fabric sealing element of approximately annular form having one of its edges attached to the upper end of said vertically-shiftable backing member and its other edge attached to the piston adjacent the lower end of the rigid backing member that projects upwardly from the top side of the piston, the said outer sealing element being adapted to be forced into snug engagement with the lower portion of the side wall and the inner sealing element adapted to be forced into snug engagement with the inwardly-offset upper portion of the container side wall by the internal pressure of the storage chamber, during the upward movement of the piston.

2,579,777

METHOD OF SURFACE LUBRICATION OF METAL PRODUCTS

William S. Allen, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey

Application April 6, 1949, Serial No. 85,750
4 Claims. (Cl. 117—134)



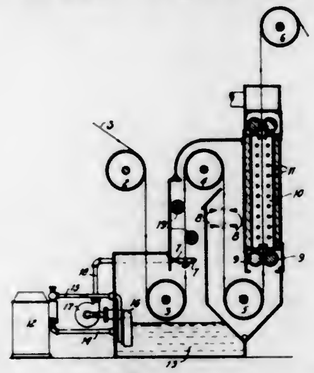
1. The method of surface lubrication of metal strip and the like which comprises applying to the strip surface a lubricant-in-water emulsion having a pH value of 2 to 6 produced by a weakly ionizable organic acid and consisting of 3 to 12 ml. of lubricant per liter of emulsion and 0.5 to 6.0 parts of an emulsifying agent per 100 parts of lubricant by volume, the lubricant being selected from the class which consists of palm oil, cottonseed oil, corn oil, olive oil, cocoanut oil, and lard oil, the emulsifying agent being selected from the class which consists of cationic emulsifying agents and non-ionic emulsifying agents and being an agent which tolerates acidity, the concentration of emulsifying agent being sufficient to stabilize the emulsion without preventing adherence of lubricant globules to the strip surface, lubricant globules thus adhering to the strip surface as separate droplets, washing the emulsion bearing strip with a low pressure water spray, which removes the excess emulsion and coalesces the adhering lubricant droplets into a continuous film, and drying the strip surface.

2,579,778

METHOD OF SURFACE LUBRICATION OF METAL PRODUCTS

William S. Allen, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey

Original application April 6, 1949, Serial No. 85,750. Divided and this application May 3, 1951, Serial No. 224,411
4 Claims. (Cl. 117—64)



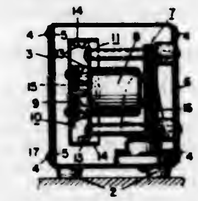
1. The method of surface lubrication of metal strip and the like which comprises applying to the strip surface a lubricant-in-water emulsion having a pH value of 2 to 6 produced by a weakly ionizable organic acid and consisting of 3 to 12 ml. of lubricant per liter of emulsion and 0.5 to 6.0 parts of an emulsifying agent per 100 parts of lubricant by volume, the lubricant being selected from the group which consists of dibutyl phthalate, dibutyl sebacate and tributyl citrate and having incorporated therein a long chain carboxylic acid having from 14 to 18 carbon atoms to furnish free carboxylic groups, the amount of carboxylic acid being 5 to 25 percent of the weight of the lubricant, the emulsifying agent being selected from the group which consists of cationic emulsifying agents and non-ionic emulsifying agents and being an agent which tolerates acidity, the concentration of emulsifying agent being sufficient to stabilize the emulsion without preventing adherence of lubricant globules to the strip surface, lubricant globules thus adhering to the strip surface as separate droplets, washing the emulsion bearing strip with a low pressure water spray, which removes the excess emulsion and coalesces the adhering lubricant droplets into a continuous film, and drying the strip surface.

2,579,779

COLOR VISION TESTING DEVICE

Earl Allgaier, Arlington County, Va.

Application May 15, 1947, Serial No. 748,264
1 Claim. (Cl. 88—20)



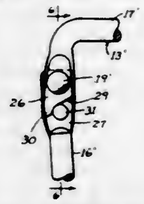
A device for testing color vision acuity in relation to standard vehicular traffic signal lights comprising a housing having a vertical wall provided with a circular opening, an electric lamp in the housing arranged to transmit a light beam to the opening, an electric motor in the housing, a wheel mounted in the housing for rotation at constant speed by the motor and having right-angularly turned from its periphery a series of angularly shaped ears, a plurality of differently colored translucent panes each carried between adjacent ears and adapted with said ears to be successively interposed in the light beam for causing differently colored light rays to be flashed successively at regular intervals through the opening with regularly occurring interruptions to the beam caused by said ears, said panes being colored like the lenses of standard vehicular traffic signal lights and being arranged in random color order and in sufficient number to make it impossible for a subject being tested to anticipate the color of any of the panes.

2,579,780

FOLDABLE AWNING FRAME

Seth B. Atwood, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood

Application May 8, 1947, Serial No. 746,754
9 Claims. (Cl. 160—58)



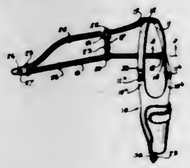
3. In an awning frame construction, a front cross-member having a rearwardly bent integral end portion, the extremity of said end portion being rabbetted to define a shoulder thereon at an acute angle relative to the cross-member, and a side member foldable relative to the cross-member having an end portion pivoted to said rabbetted end portion on a pivot substantially at right angles to the plane of the frame, whereby to facilitate folding of said side member into approximate parallelism to the cross-member, said side member having a stop projection

thereon in radially spaced relation to said pivot and engageable with said shoulder thereby limiting outward pivotal movement of said side member when the same is approximately in right angle relationship to said cross-member.

2,579,781
MAGNESIA REFRACTORY AND METHOD OF MAKING
Leslie W. Austin, San Jose, and James C. Hicks, Menlo Park, Calif., assignors to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
No Drawing. Application June 17, 1949, Serial No. 99,286
13 Claims. (Cl. 106—58)

1. Method of making a dense, crystalline, magnesia product which comprises admixing from about 50% to about 95% of periclase containing at least 95.0% magnesium oxide and not over 2.0% SiO_2 and not over 2.0% CaO and of a particle size substantially entirely passing 200 mesh and which has been fired to an inactive condition, and from about 5% to about 50% of active magnesia containing at least 95.0% magnesium oxide and not over 2.0% SiO_2 and not over 2.0% CaO and of a particle size substantially all passing 200 mesh, pressing, and firing at a temperature of at least 1650° C.

2,579,782
HOLSTER HARNESS
Earl Booth, Bayside, N. Y.
Application March 1, 1950, Serial No. 147,013
10 Claims. (Cl. 224—2)



8. A shoulder harness having a holster for a pistol or the like, comprising a shoulder strap extended across the top of one's shoulder and to the ends of which the top of the holster is secured, an elastic strap member secured at one end to said shoulder strap at the top thereof and having its other end extended across the back, over the top of the other shoulder and downward across the front of the body to the hip on the side of the body opposite the holster, a second elastic strap member secured at one end to the back of the shoulder strap and having its other end extended across the wearer's back to the hip on the side of the body opposite the holster, a third elastic strap member connected at its ends to said first and second elastic strap members intermediate of their ends, a loop member joining the free ends of said first and second elastic strap members, means on said loop for attachment to the wearer's clothing at the said hip of the wearer's body, and means on the holster for attachment to the wearer's clothing at the hip of the wearer's body below the holster.

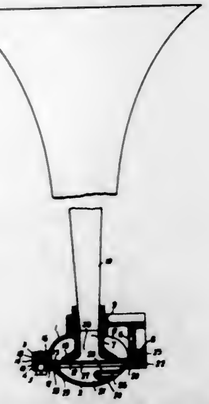
2,579,783
FOLDABLE PORTABLE CHIROPRACTOR'S TABLE
Andrew F. Branto, Los Angeles, Calif.
Application March 6, 1951, Serial No. 214,035
13 Claims. (Cl. 311—7)

1. In a table structure of the kind described, a rear table top section positioned to support the legs and hips of a patient lying thereon, a pair of elongated, normally horizontal resilient members forming hinge wings and having rear end portions underlying said rear table top section and secured thereto and front end portions projecting forwardly of said rear table top section, an abdominal supporting section in advance of



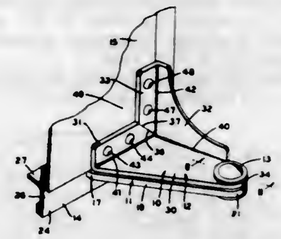
said rear section, said abdominal supporting section having its rear end portion hinged to said front end portions of said resilient members to swing in a vertical plane, and additional table top structure located forwardly of said abdominal supporting section to support the portions of a patient's body headward of his abdomen.

2,579,784
VIBRATOR
John Gustaf Mauritz Brodén, Malmo, Sweden, assignor to Kockums Mekaniska Verkstads Aktiebolag, Malmo, Sweden, a corporation of Sweden
Application April 11, 1946, Serial No. 661,216
In Sweden April 28, 1945
8 Claims. (Cl. 116—142)



1. A vibrator comprising a casing, an inlet passage for the supply of fluid under pressure into said casing, a tube extending into said casing and having an annular edge at its inner end, said tube forming an outlet passage for said fluid, a sound amplifying member communicating with said outlet passage, a vibratory diaphragm ring supported at its outer periphery in an air-tight manner by said casing and bearing at its inner periphery against said annular edge, a vibratory diaphragm disc supported at its periphery by said casing and bearing against the inner periphery of said ring, said disc and said ring and said casing forming between them an annular space, said ring being located between said inlet passage and said annular space, a substantially closed chamber on one side of said disc in opposite relation to said space and said outlet passage, and an open communication between said space and said chamber, said ring and said disc being operative by the differential between the pressures prevailing on both sides thereof to force said ring out of contact with said annular edge and said disc out of contact with said ring, whereby to permit flow of fluid from said inlet passage to said outlet passage and into said space and said chamber, and to seat said disc on said ring and to seat said ring on said edge, whereby to prevent flow of fluid from said inlet passage and from said space to said outlet passage.

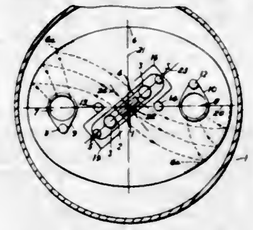
2,579,785
CASEMENT WINDOW HINGE
John Brownlie, Freeport, and Ralph Gerstenzang, Brooklyn, N. Y., and Almon C. Blamey, Rutherford, N. J.; said Blamey assignor to said Brownlie and said Gerstenzang
Application August 14, 1947, Serial No. 768,580
1 Claim. (Cl. 16—135)



A casement window hinge comprising a flat hinge element having an attaching portion for the securement of the element to the casement window frame, said flat hinge element adapted to extend outwardly from the frame when attached thereto, a second hinge element adapted to be secured to the adjustable casement window, said second hinge element having a base portion adapted to overlie the flat hinge element when the window is closed and having a laterally extending attaching flange adapted to engage the adjustable window, a portion extending laterally from another side of the base portion and serving as a truss therefor, said truss portion having a laterally extending attaching flange lying in a common plane with the attaching flange of the base portion and adapted to engage the adjustable window, said attaching flanges having respectively angle cut edges which engage each other and serve to reinforce one another on their plane of attachment with the adjustable window and hinge pin means pivotally securing together the flat hinge element and the base portion of the second hinge element.

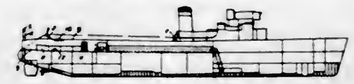
2,579,786
SECONDARY-ELECTRON-EMITTING DISCHARGE DEVICE
Cabot Seaton Bull, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application April 15, 1948, Serial No. 21,136
In Great Britain April 18, 1947
9 Claims. (Cl. 313—104)

1. In a multi-stage electron discharge device which utilises secondary electron emission for obtaining amplification, a thermionic cathode, a control electrode for controlling thermionic emission from said cathode, a first dynode comprising a structure conforming to a closed curved surface, a second dynode, said thermionic cathode and said second dynode being enclosed by said surface, an electrode for collecting secondary electrons from said second dynode, and means for projecting the electrons released from said cathode in a beam at an angle to pass substantially



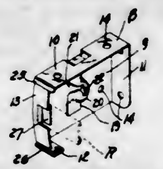
wholly to one side of said second dynode and impinge on the inner side of said first dynode, whereby to release secondary electrons which can impinge on said second dynode.

2,579,787
EQUIPMENT OF TRAWLING VESSELS
Charles Dennistoun Burney, London, England, assignor to Fresh Frozen Foods Ltd., London, England
Application September 8, 1948, Serial No. 48,253
In Great Britain September 18, 1947
2 Claims. (Cl. 114—0.5)



1. A trawler comprising a vessel including a hull having a main deck extending substantially to the stern of the vessel, said main deck being provided at its stern with means for storing fish, a trawling deck mounted above the stern portion of the main deck to receive a trawling net, an inclined chute on the stern of the vessel and extending from a point above said trawling deck to a point below the main deck and beyond the stern of the hull, hauling gear on said trawling deck forward of said chute for hauling a trawling net up said chute onto said trawling deck, and a hatch in said trawling deck immediately in front of said chute and over said fish storing means for receiving and discharging fish from the net as it is hauled up onto said trawling deck.

2,579,788
COMBINATION BRACKET
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y.
Application September 29, 1950, Serial No. 187,483
2 Claims. (Cl. 160—23)



2. Combination stamped brackets adapted to be secured to a window frame in spaced-apart relation, each bracket being formed with a side wall having an inwardly pressed section adapted to releasably accommodate and support one end of a shade roller, inwardly extending flanges formed on the top, bottom, front and rear edges

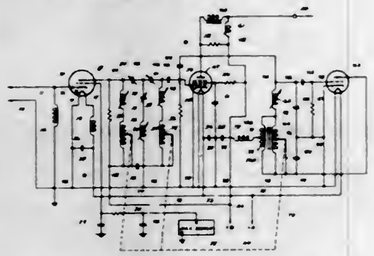
of each bracket, the front end sections of the top and bottom flanges being bent toward each other to overlie relatively short sections of the front flange and spaced therefrom to accommodate a facia strip, the bottom flange being cut away to facilitate mounting the spear and gudgeon of a shade roller assembly in the inwardly pressed sections of said brackets.

2,579,789

TUNER FOR TELEVISION RECEIVERS

Emmery J. H. Bussard, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application April 7, 1950, Serial No. 154,535
4 Claims. (Cl. 179—171)



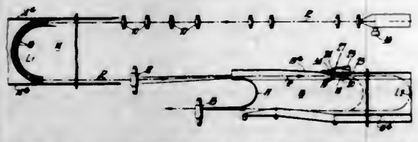
1. In a television receiver tuner, a low impedance unbalanced input radio frequency amplifying stage comprising a high-mu triode tube having cathode, control, and anode electrodes together with a separate two lead heating element, an inductance effectively connected between said cathode and a grounded one of the leads of said heater, said inductance and the inherent cathode-heater capacitance of the tube forming a resonant circuit approximately at the geometric mean of the television broadcast range extending from 54 to 216 megacycles, another inductance inserted in the other lead of said heater between said heater and its energy source, a capacitor connected between the grounded lead and the terminal of the second-mentioned inductance adjacent said energy source, said other inductance and the lumped, distributed, and inherent capacitances in shunt therewith forming a circuit which is parallel resonant at said geometric mean and has an impedance large in value with respect to the impedance of the grounded heater lead, whereby the operation of the first-mentioned resonant circuit is rendered substantially independent of heater voltage variations.

2,579,790

DEVICE AND METHOD FOR CONTROLLING MOVEMENT OF RODS IN ROD MILLS

William G. Busser and Peter J. Muller, Cleveland, Ohio

Application March 3, 1950, Serial No. 147,472
8 Claims. (Cl. 80—52)



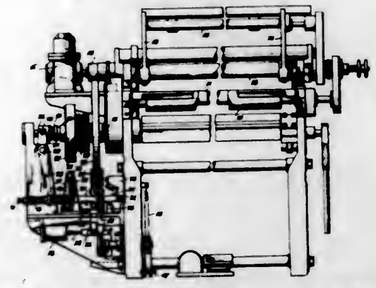
2. In a rod mill having at least two roll stands situated side by side and a loop run-out floor over which rods travel in loops between said roll stands, a device for preventing a rod's whipping as its trailing end emerges from the roll stand which immediately precedes said run-out floor comprising a fixed gripping element on said run-out floor on the same side as said preceding roll stand, a movable gripping element on said run-out floor, the normal path of a rod on said run-out floor being between said gripping elements, said movable gripping element being cooperable with said fixed gripping element to grip a rod passing therebetween, and mechanism for automatically moving said movable gripping element into its gripping position when the trailing end of a rod emerges from said preceding roll stand and for releasing said movable gripping element when most of the loop in the rod has entered the next roll stand.

2,579,791

STARTING AND STOPPING MECHANISM

Thomas N. Carter, Bayside, N. Y., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York

Application December 23, 1949, Serial No. 134,753
6 Claims. (Cl. 192—144)



1. In a machine having a rotatable shaft, a frame supporting said shaft, and a clutch for coupling said shaft to a source of power, the combination comprising a lever pivotally supported on said frame and having connection with said clutch for actuating the same, a toggle joint for rocking said lever to couple said clutch, said toggle joint including a pair of pivotally connected links with one of said links pivotally connected to a pivot supported in a stationary position with respect to said frame and the other of said links being connected to a movable pivot, means for guiding the movement of said movable pivot with respect to said stationary pivot, means intermediate said last-named pivot and said lever for transmitting force to said lever for coupling said clutch when said toggle joint is extended, means for extending said toggle joint, means for collapsing said toggle joint, resilient means for actuating said lever to uncouple said clutch when said toggle joint is collapsed, a brake wheel rotated by said shaft, a brake member for stopping said brake wheel, a spring acting on said brake member, a solenoid for controlling the operation of said brake member, a circuit for said solenoid, a switch in said circuit, and means controlled by said toggle joint for operating said switch to cause said brake member to act on said brake wheel when said toggle joint is collapsed.

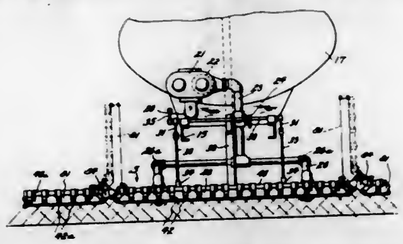
2,579,792

VEHICLE MOUNTED SPRAYING EQUIPMENT

Horace A. Cartwright, Minneapolis, Minn.

Application July 25, 1949, Serial No. 106,544
11 Claims. (Cl. 299—34)

1. In apparatus for distributing fluidic road-surfacing materials, a main conduit, longitudinally extending centrally disposed partition walls arranged internally of said conduit contiguous to its end regions, said wall dividing said conduit into spaced longitudinally extending fluid-receiving and discharging chambers, road-surfacing material inlet means entering said conduit at longitudinally spaced positions between its ends and in registry with said fluid-receiving chambers, said material upon initially entering said conduit passing longitudinally and outwardly through the receiving chambers toward the outer ends of said



conduit, said material thereafter reversing its direction of flow for passage longitudinally through the outlet chamber of said conduit toward the center of the latter, valved outlets provided at longitudinally spaced intervals in said conduit in communication with said outlet chamber, and a return connection leading from the central region of said conduit for returning treating material delivered to said conduit and not discharged through said outlets to a source of supply.

2,579,793

TEXTILE DECORATING

Norman S. Cassel, Ridgewood, and Alfred T. Clifford, Fair Lawn, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Original application June 28, 1946, Serial No. 680,056. Divided and this application June 14, 1950, Serial No. 168,171
20 Claims. (Cl. 260—15)

1. A fabric-decorating composition comprising a water-insoluble pigment dispersed in a vehicle comprising heterogeneously gelatinized water-soluble cellulose ether dispersed in an aqueous colloidal solution of a non-gelatinized water-soluble cellulose ether, said colloidal solution having dissolved therein a gelatinizing agent for the gelatinized cellulose ether.

4. A fabric-decorating composition as in claim 1 wherein a water-soluble thermosetting resin is dissolved in the aqueous solution.

2,579,794

TEXTILE DECORATING

Norman S. Cassel, Ridgewood, and Alfred T. Clifford, Fair Lawn, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Original application June 28, 1946, Serial No. 680,056. Divided and this application June 14, 1950, Serial No. 168,172
15 Claims. (Cl. 260—15)

1. A fabric-decorating composition comprising a water-insoluble pigment dispersed in a vehicle comprising a heterogeneously gelatinized water-soluble sodium alginate dispersed in an aqueous colloidal solution of a non-gelatinized water-soluble cellulose ether, said colloidal solution having dissolved therein a polyvalent metal salt as a gelatinizing agent for the gelatinized sodium alginate.

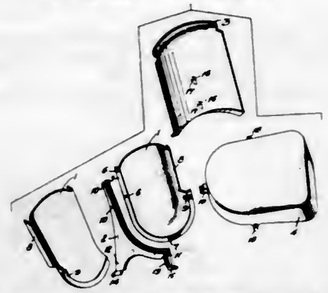
3. A fabric-decorating composition as claimed in claim 1, wherein a water-soluble thermosetting resin is dissolved in the aqueous solution.

2,579,795

THEATER CHAIR

Roger André Chaillot, Paris, France, assignor to Societe Anonyme dite: Societe Marocaine de Constructions Mecaniques

Application August 30, 1945, Serial No. 613,589
In France December 8, 1944
10 Claims. (Cl. 155—191)



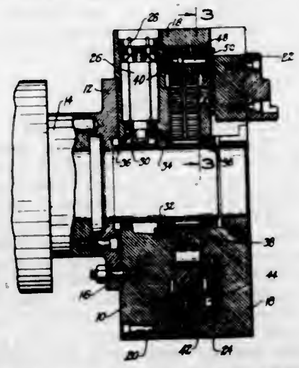
1. A chair designed more particularly for use in play-houses comprising a frame having substantially the shape of a quarter sphere having upwardly and forwardly extending edges, bores located adjacent the front edges of said frame, means to support the frame in spaced relation to a supporting surface, a seat having trunnions for engaging said bores mounted for tilting motion in said frame, the rear edges of said seat having a substantially circular outline and remaining in close proximity to the substantially spherical bottom portion of the frame which conforms to the shape of the rear edge of the seat throughout the tilting movement of the same from its dropped to its canted position.

2,579,796

MOTOR OPERATED CHUCK

Albert E. Church, New Britain, Conn., assignor to Union Manufacturing Company, New Britain, Conn., a corporation of Connecticut

Application January 29, 1948, Serial No. 4,962
2 Claims. (Cl. 279—114)



1. A chuck comprising a body member having work engaging jaws radially moveable therein, a scroll within the chuck rotation of which actu-

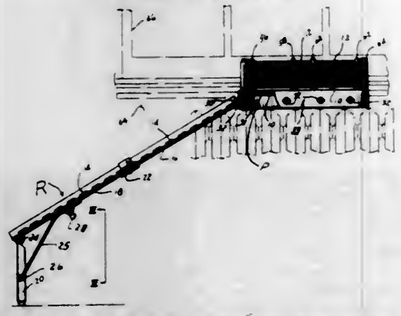
ates said jaws into and out of work engaging position, a motor housed within said body member and having its armature shaft drivingly connected to a central rotatable gear member within said body member, planet gears meshing with said central gear, a pair of differential gears driven by said central member and planet gears whereby said gears are rotated at slightly different speed, one of said gears being attached to said body member and the other gear connected to said scroll, whereby rotation of said motor will rotate said scroll, and circuit terminals for said motor at the periphery of said body member.

2,579,797

ANIMAL SEAT AND EXERCISING DEVICE

Elizabeth M. Churchfield and Wilfred Barnes, Jr., Upper Darby, Pa.

Application June 16, 1949, Serial No. 99,376
1 Claim. (Cl. 119—1)



A combined elevated seat and exercising device, including a platform, an apron depending from the edges of said platform, pairs of uniformly spaced eye bolts carried by the sides of said apron, a ramp, a pair of hooks carried by one end of said ramp and spaced apart a distance equal to the distance between the eye bolts of each of said pairs of eye bolts, whereby said end of said ramp is detachably secured to more than one portion of each side of said apron, there being pairs of uniformly spaced recesses formed in the upper surface of said platform, a flexible guard rail, and a plurality of pins carried by said guard rail and engageable with said recesses, said recesses being spaced apart a distance equal to the width of said ramp, and the length of said guard rail being less than the length of the perimeter of the platform by a length equal to the spaces between the recesses of each of said pairs of recesses.

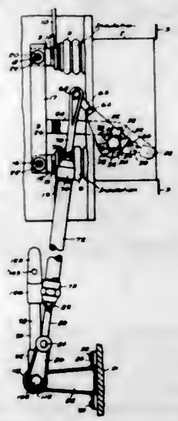
2,579,798

OPERATING MECHANISM

Herbert J. Crabbs, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 30, 1945, Serial No. 591,077
18 Claims. (Cl. 200—162)

1. Electric switching apparatus comprising, switch means adapted to be operated to open and closed circuit positions, an operating shaft connected to said switch means for operating the same, an operating crank for said shaft, an operating handle rotatably supported at a remote point, toggle linkage connecting said handle and crank, means for connecting one link of said linkage to said handle at a plurality of different relative angular positions comprising interfitting projection and recess means on said handle and link with means to clamp said interfitting means in engagement at any one of a plurality of different relative angular positions to positively lock them in engagement, and means for mounting said operating crank at a plurality of different angular positions on said operating shaft comprising interfitting projection and recess means on said crank and shaft with means to clamp



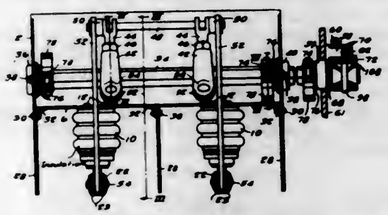
said interfitting means in engagement at any one of a plurality of different relative angular positions to positively lock them in engagement, whereby said switch means and handle may be separately mounted for operation as desired, and thereafter said link and crank adjusted and locked on said handle and shaft so that said linkage will go overcenter at the closed circuit position of said switch means to prevent opening thereof.

2,579,799

SWITCH

Herbert J. Crabbs, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 30, 1945, Serial No. 591,078
13 Claims. (Cl. 200—162)



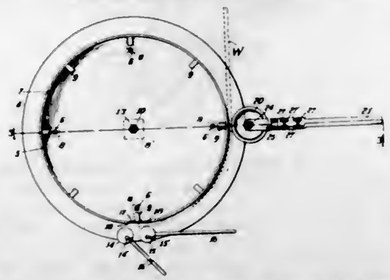
1. An article of manufacture, comprising, a base, a plurality of switches supported on one side of said base, each of said switches comprising separable contacts one of which is mounted for movement toward and away from said base into and out of engagement with the other of said contacts, a common operating shaft rotatably mounted on said base at the other side thereof, at least two spaced cranks on said shaft, a common actuating rod connecting said cranks adjacent their outer ends, a link for each of said switches connecting the movable contact thereof to said rod, and said links being bent to clear said shaft so as to permit said links and cranks to move to a position overcenter and lock said switches at their closed positions.

2,579,800

WOOD BENDING MACHINE AND NAILING TABLE

Clarence C. Cress, Greeneville, Tenn.

Application May 18, 1949, Serial No. 93,860
2 Claims. (Cl. 144—1)



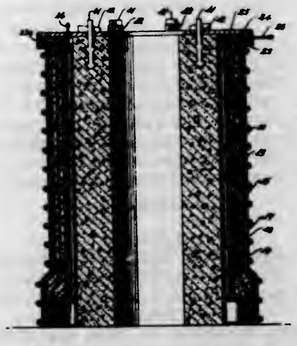
1. A combined bending machine and nailing table comprising a flat circular table top and a supporting cylindrical standard therebeneath, a profile ring fixed on the upper face of said table top concentrically thereto, in combination with a sweep arm journalled about said standard beneath said table top, a bending roller rotatably carried by said sweep arm for concentric movement relative to and in the plane of said profile ring to bend wooden strips therearound, independently operable clamping means for securing the ends of said strips against the external periphery of said profile ring, the upper axially presented edge of said ring lying in a plane parallel to said table top to support a disc-like work piece thereabove, and centering means concentrically disposed within said profile ring below the level of the upper edge thereof to cooperate with centering means carried by said disc-like work pieces and position same concentrically relative to said wooden strips after the bending thereof to annular form.

2,579,801

CONCRETE PIPE MOLD

John Maurice Crom and Curzon Dobell, New York, N. Y.

Application February 10, 1949, Serial No. 75,638
6 Claims. (Cl. 25—127)



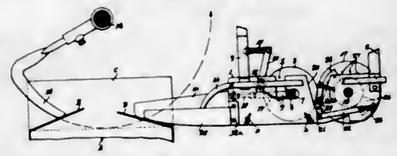
1. Apparatus for the manufacture of concrete pipe sections that comprises an expansible inner core, said core including an expansible fluid-tight bag surrounded by an expansible metal diaphragm, an outer mould capable of withstanding internal pressure but relaxable to permit limited expansion, a foraminous blanket affixed to an inner surface of the mould formed by the core and the outer mould, and a removable sealing member for sealing the core and the outer mould member at one end.

2,579,802

FIBER CASE GLUING MACHINE

Edward J. Derderian, Fresno, Calif., assignor to Elliott Manufacturing Company, Fresno, Calif., a corporation of California

Application May 15, 1945, Serial No. 593,937
3 Claims. (Cl. 93—36.4)



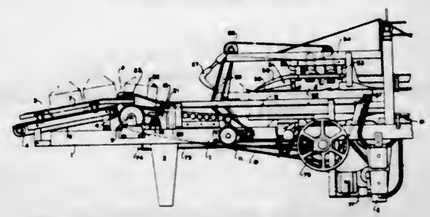
3. A gluing machine for fiber cases, comprising: a frame structure; means suspending the frame structure in position for movement of fiber cases thereunder; deflectors for folding flatwise the inner flaps of a fiber case and for moving the outer flaps thereof to vertical positions; an adhesive reservoir pan carried by said frame structure; a glue roller dipping into said pan; an applicator roller in adhesive receiving relation to said glue roller and positioned rearwardly of said glue roller and pan to engage the upper surfaces of said inner flaps; a scraper blade extending across said applicator roller for scraping adhesive from selected portions of said roller and return the adhesive to the reservoir pan; cam means on said applicator roller; and lever means supporting said scraper blade and engageable with said cam means to control movement of said scraper blade, said frame structure, adhesive reservoir pan and rollers adapted to pass between said vertically disposed flaps.

2,579,803

CASE SEALING MACHINE

Edward J. Derderian, Fresno, Calif., assignor to Elliott Manufacturing Company, Fresno, Calif., a corporation of California

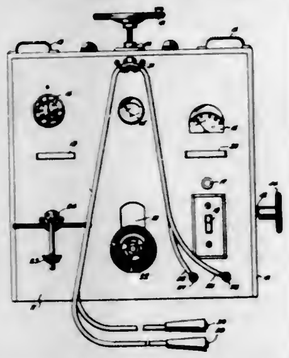
Application December 15, 1947, Serial No. 791,898
4 Claims. (Cl. 53—145)



1. A gluing machine for loaded fiber cases having top and bottom sets of end and side flaps the combination of: a first upwardly inclined conveyor; a second conveyor having a downwardly inclined receiving end, said conveyors being so disposed that the confronting ends of adjacent cases define a V-slot as they pass between said conveyors; latch means operable in said V-slot to retain each case as it reaches the end of the first conveyor; propelling means including a series of spaced bars and drive means therefor for engaging and spacing cases on said second conveyor; an accelerator roller incorporated in the receiving end of said second conveyor for

separating said cases as they leave said first conveyor to permit movement of said bars into engagement with said cases; means engaged by said propelling means for actuating said latches; means associated with said second conveyor for deflecting the side flaps of each case to vertical positions; and upper and lower gluing means operable to pass between said vertically disposed side flaps and engage the top and bottom end flaps of each carton.

2,579,804
MOTOR TESTING UNIT
Forrest R. Dotson, Huntington, W. Va., assignor to Laura C. Dotson, Huntington, W. Va.
Application December 31, 1948, Serial No. 68,699
6 Claims. (Cl. 73—116)



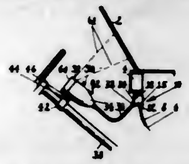
1. An apparatus of the character described comprising a casing, a panel for the casing having a centrally disposed slot adjacent the lower end thereof, a pair of vertical guide members within the casing, a pintle housing slidably mounted upon the guide members, a vertical shaft threadably connected with the housing and extending through the top of the casing, a handle at the upper end of the shaft, a brake drum revolubly mounted in the housing, a pintle for the drum extending through the slot in the panel, a chuck at the outer end of the pintle and a shoe for the brake carried by the housing.

2,579,805
FIREPLACE TOOL
Walter R. Draeger, Racine, Wis.
Application September 27, 1948, Serial No. 51,451
1 Claim. (Cl. 294—10)



A fireplace tool comprising a pump including a barrel, and a nozzle mounted on one end of said barrel and communicating therewith, said nozzle comprising a tubular shank threadedly connected to the barrel in longitudinal alignment therewith, an integral tapered tip projecting laterally and rearwardly from the forward end of the shank and having an air passage therein communicating with one end thereof, and an integral head on the other end of the tip.

2,579,806
PROJECTING SPEED INDICATOR
Harry Dvorkin, Brooklyn, N. Y.
Application June 7, 1949, Serial No. 97,678
4 Claims. (Cl. 88—24)



1. A device for projecting an image of an indication of the functioning of a moving vehicle into the field of normal operating vision for an operator upon the vehicle, comprising an indicator, a transparent movable member with index symbols thereon being driven by said indicator and having cam portions on one of its edges, contact means for closing an electric acoustic alarm circuit being adjacent that edge of said transparent member which is provided with said cam portions and being adapted for closing the circuit whenever one of said cam portions touches said contact means, and a source of light in juxtaposition with said transparent member adapted for projecting an image of a portion of said index symbols upon an object in the field of vision, said cam portions being in alignment with groups of said index symbols on said transparent movable member so as to cause the sounding of the alarm for indicating a change in groups of symbols exposed to said source of light.

2,579,807
DISPLAY APPARATUS
Paul Hewlett Egolf, Sr., Chevy Chase, Md.
Application April 11, 1946, Serial No. 661,257
15 Claims. (Cl. 40—32)

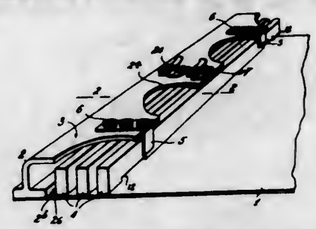


1. A display apparatus comprising a casing having a front wall with a viewing aperture therein, means for supporting a vehicle in the casing within range of the aperture, co-axial stepped rollers mounted in the casing on substantially vertical axes adjacent the ends of the casing rod beyond the range of said aperture, and scenery strips extending around and having lower edge portions supported by said rollers and visible beyond the vehicle through said aperture.

2,579,808
APPARATUS FOR HOLDING DOCUMENTS FOR MANIFOLD WRITING
Armand Elisabeth and Germaine Brunet Elisabeth, Brussels, Belgium
Application December 10, 1946, Serial No. 715,226
In Belgium January 3, 1946
9 Claims. (Cl. 282—29)

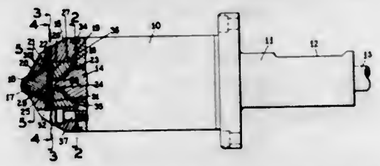
1. A document holder comprising a base plate adapted to receive superimposed removable documents and interposed carbons having cut away and solid portions therein, means cooperating with said base plate for positioning and securing said documents in operating positions, means co-

operating with the base plate for securing the said carbons in operating positions, a mounting for supporting the said positioning and securing means with the securing means for the carbons located sidewise of the positioning means for the



documents, and protrusions and recesses on said documents positioning and securing means for cooperation with the cut away and solid portions respectively of the carbons, whereby direct contact may be insured between the documents to be positioned and their positioning means.

2,579,809
LEAKAGE PREVENTION FOR INJECTION MOLDING NOZZLES
William H. Fellows and Clarence W. Burnham, Springfield, Vt., assignors to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application March 1, 1948, Serial No. 12,208
7 Claims. (Cl. 18—30)

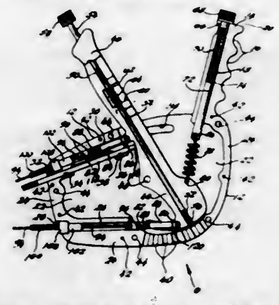


4. In injection molding apparatus the combination with a heating cylinder and means for propelling fluid plastic therethrough, of a nozzle secured to the delivery end of the cylinder comprising a cap having a base substantially coequal in diameter with the cylinder and a tapered exterior, having a central cavity opening from its base portion and a bore of progressively contracting diameter leading from said cavity to an orifice at the outer face of the cap, there being a shoulder between said cavity and bore, a cone having a flange at its base occupying said cavity and bearing against said shoulder, the cone being tapered correspondingly to said bore and separated from the walls of the bore, there being a series of holes through the flange communicating with the space between said wall and the cone, and the base of the cone being formed with a shallow cavity, a diaphragm bearing against the flange and extending over the cavity in the base of the cone and having a series of holes registering with those of the first named series, a block contained in said cavity bearing at its margin on the diaphragm at the side thereof opposite to the before mentioned flange, said block having in its face next to the diaphragm an annular recess communicating with said holes and an annular rib surrounding the axis of the block and forming the inner boundary of said recess, the block having also a through passage of which one terminal is in the area surrounded by said rib and the other terminal registers with the bore of the cylinder, clamping means securing the cap to the cylinder, said parts being arranged so that the margin of the block bears tightly against the end face of the cylinder contiguous to the bore thereof.

2,579,810
PROCESS OF PREPARING SUBSTITUTED HYDROXYMETHYLPHOSPHONIC ESTERS
Ellis K. Fields, Chicago, Ill., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 18, 1949, Serial No. 111,079
3 Claims. (Cl. 260—461.1)

1. A process which comprises reacting a phosphite diester with a carbonyl compound in the presence of a basic catalyst of the group consisting of organic tertiary nitrogen bases and alkali and alkaline earth salts of weak acids and recovering the substituted hydroxymethylphosphonic acid diester thereby produced.

2,579,811
THROTTLE CONTROL
Charles W. Finkl, Evanston, Ill.
Application May 31, 1947, Serial No. 751,531
4 Claims. (Cl. 74—501)

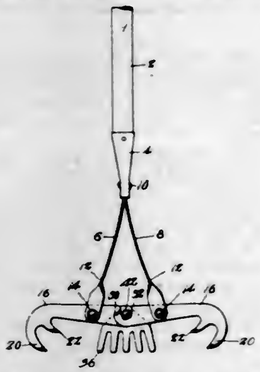


1. A control mechanism comprising a mounting means, a lever rotatably secured near its center to said mounting means, resilient means for rotating said lever in one direction, a Bowden mechanism adapted to be selectively secured to said mounting means above and below the center of said lever, and linkage means above and below the center of said lever for connecting said lever and the Bowden control of said Bowden mechanism for moving said control wire beyond the Bowden casing of said Bowden mechanism coaxially with said Bowden casing.

2,579,812
GAFF
Charles B. Fisher, deceased, late of Williamsport, Pa., by Gertrude F. Fisher, executrix, Williamsport, Pa.; Elizabeth F. Berry, administratrix de bonis non cum testamento annexo of said Charles B. Fisher, deceased, assignor to O. A. Norlund Company Inc., Williamsport, Pa., a corporation of Pennsylvania
Application March 15, 1948, Serial No. 15,022
1 Claim. (Cl. 294—110)

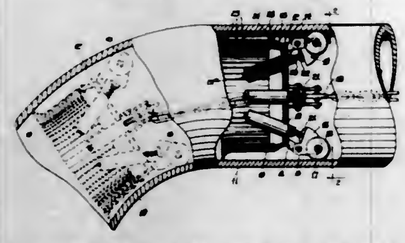
In the gaff described, the combination with a pair of complementary jaws having lapped inner ends, a handle, and a pair of spring arms rigid with the handle each one of said pair of spring arms pivotally connected to a respective one of said jaws of a trigger having spaced tines and a central upright return bend forming a spaced lug, a rivet extended through the trigger and its

lug and forming a pivotal connection for the lapped ends of the jaws, each of said lapped ends having an arcuate edge-recess terminating in a pair of spaced abutments located at opposite



edges of the return bend, whereby coacting pairs of abutments engage the edges of the return bend to limit the movement of the jaws in open and closed positions.

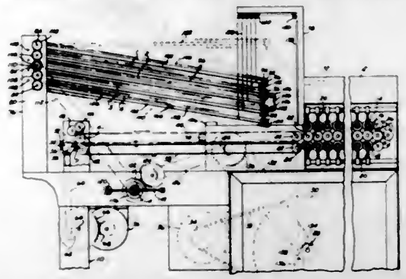
2,579,813
APPARATUS FOR CLEANING PIPES
William A. Frank, Hackensack, N. J., assignor to National Water Main Cleaning Co., New York, N. Y., a corporation of Maine
Application March 27, 1947, Serial No. 737,456
4 Claims. (Cl. 15—104.05)



2. A machine for cleaning the interior of pipes comprising a scraper head, means on said head for supporting said head centrally within the pipe comprising flexible scraper blades extending from one end thereof and bearing against the bore of the pipe, and wheels yieldingly supported from the other end thereof, said head being supported between said scrapers and said wheels, said wheel support comprising wheel carrying arms pivotally mounted on said head, movable stop means connected to said arms and limited in its outward radial movement by said head to limit the radial extension of said wheels, and means about said movable means for limiting the radial retraction of said wheels.

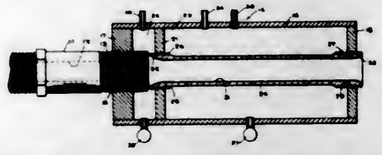
2,579,814
HAT BAT SHRINKING MACHINE
Homer A. Genest and Warner H. Genest, Danbury, Conn., assignors to United States Hat Machinery Corporation, New York, N. Y., a corporation of Virginia
Application June 9, 1949, Serial No. 98,106
9 Claims. (Cl. 28—5)

1. A hat bat shrinking machine comprising in combination, means defining a passageway through which bats are passed in flat condition from the entrance to the exit thereof, said means being operable to manipulate said bats to shrink and felt them while traversing said passageway, means operable to transfer automatically hat bats from the exit to the entrance of said passage-



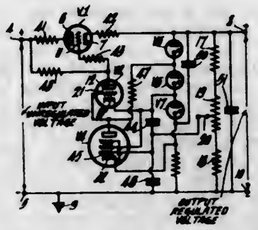
way, whereby a batch of hat bats may be recycled automatically a number of times through said passageway, and bat loading means associated with the entrance of said passageway and operable to feed a batch of bats to said entrance in spaced relationship to each other.

2,579,815
EXTRUSION APPARATUS
Joseph A. Gialanella, Newark, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application November 27, 1948, Serial No. 62,287
1 Claim. (Cl. 18—12)



In an apparatus for the production of extruded articles of improved finish and dimensional accuracy, the combination with an extrusion nozzle for shaping a heat-softened thermoplastic material, of a porous sizing tube positioned adjacent to and spaced from said extrusion nozzle for receiving the extruded thermoplastic material after it leaves said extrusion nozzle, said sizing tube having a length of between 6 and 15 inches and the cross-sectional dimension of the shaping aperture in said extrusion nozzle being no greater than the cross-sectional dimensions of the passageway in said sizing tube and the difference between the cross-sectional dimensions in said shaping aperture and the cross-sectional dimensions of said passageway being less than the minimum expansion which occurs as a result of the change in the temperature of the thermoplastic material as it emerges from said extrusion nozzle, a casing defining a chamber encircling said sizing tube and the output end of the extrusion nozzle, a partition in said casing dividing said chamber into two compartments, means for introducing a lubricant into the compartment through which the extruded thermoplastic material first passes as it emerges from the extrusion nozzle whereby the extruded thermoplastic material will pick up lubricant on its surface as it traverses the space between the extrusion nozzle and the sizing tube and will carry lubricant with it into the sizing tube, means for introducing lubricant into the second compartment to provide a body of lubricant around the exterior of the sizing tube, and pressure means operatively connected to said second compartment to cause the lubricant to flow through the porous sizing tube.

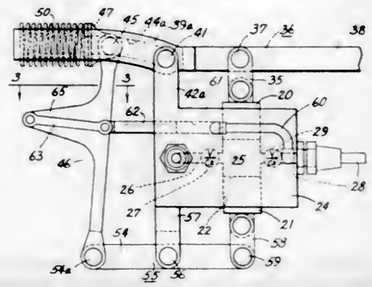
2,579,816
VOLTAGE REGULATOR
Thomas M. Gluyas, Jr., Haddon Township, Camden County, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 5, 1947, Serial No. 739,627
4 Claims. (Cl. 323—22)



1. Apparatus for controlling the voltage supplied to a load from a first direct current supply source the voltage of which may vary, said direct current supply source having a pair of input terminals, said load being supplied from a pair of output terminals, comprising a first space discharge device having an anode, cathode and a control grid for controlling the resistance of the anode-cathode path of said device in accordance with the potential thereof with respect to the potential of the cathode, means for connecting the anode-cathode path of said device in series with said load and supply source, a first series circuit of at least three resistors connected between said output terminals, a second series circuit of at least two gaseous discharge two-electrode tubes and a resistor in the order named, also connected between said output terminals but in shunt to said first series circuit, a second space discharge device having an anode connected to the control grid of said first device through a resistor and its cathode connected to a point between two of said gaseous tubes, a resistor connecting the anode of said first device to the anode of said second device, a third space discharge device having an anode connected to the grid of the second device and its cathode connected to the junction point of the resistor and a gaseous tube in the second series circuit, said third device also having a grid connected to a tap on an intermediate resistor in the first series circuit, whereby said last grid is subjected to a small fraction of the regulated output voltage.

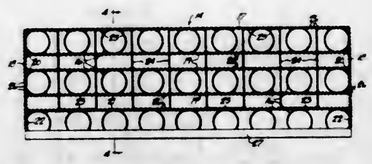
2,579,817
SELF-ADJUSTING PUMP
Thomas C. Goodale, Oakland, Calif.
Application February 24, 1950, Serial No. 146,047
3 Claims. (Cl. 103—37)

1. A pump comprising a chamber, a discharge line leading from said chamber, a first piston slidably received within said chamber at one point thereof, a second piston slidably received within said chamber at another point thereof, a first actuating lever for reciprocating said first piston, a second actuating lever for reciprocating said second piston, guide means associated with said first lever, a link pivotally connected with one end to said second lever, a stud mounted in another end of said link and arranged to engage said guide means, spring means arranged to urge said stud within said guide means into a predetermined position relative to said first lever, a hydraulic cylinder operatively connected to said discharge line, and a plunger slidably received



within said hydraulic cylinder and operatively connected to said link means in a manner effective to force said stud out of said predetermined position whenever an increase in pressure within said discharge line moves said plunger out of said hydraulic cylinder.

2,579,818
SPRING ASSEMBLY
Jacob Goldstein, Mishawaka, Ind.
Application April 14, 1945, Serial No. 588,403
8 Claims. (Cl. 5—269)

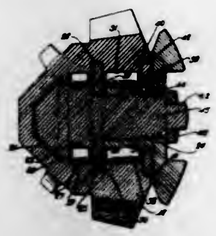


7. A spring unit comprising a rectangular marginal frame, intermediate intersecting frame elements, a plurality of substantially uniformly spaced coil springs, and connecting means connecting said coil springs to said frame and frame elements and connecting said frame elements to said marginal frame and to intersecting elements, the portions of said intermediate frame elements which extend in one direction terminating short of a selected side of said marginal frame and of the springs connected thereto, the stress transmitted by said short intermediate frame elements incident to compression of the springs connected to said selected side of said marginal frame being small compared to the stress transmitted by intermediate frame members incident to compression of any of the other springs of said spring unit.

2,579,819
DRILL BIT
William G. Green, Dallas, Tex., assignor to Engineering Laboratories, Incorporated, Tulsa, Okla., a corporation of Oklahoma
Application September 26, 1947, Serial No. 776,313
12 Claims. (Cl. 308—8.2)

1. In a cutter cone assembly for drill bits which includes a spindle element and a cutter cone element mounted for rotation thereover, the improvement that comprises axially spaced sets of antrifriction bearings between the cutter cone and spindle, said sets having substantially

equal inner and outer diameters, means extending outwardly beyond the said outer diameters of said sets and in engagement with said cone for holding said sets against axial displacement,



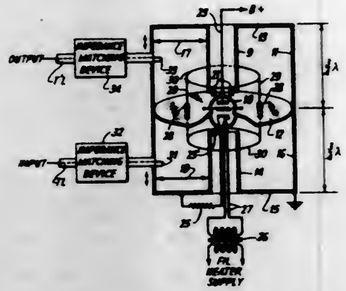
said means acting through said bearings to restrain said cone also against axial movement, and annular means holding said set-holding means in set-holding position.

2,579,820

ULTRAHIGH-FREQUENCY SYSTEM EMPLOYING NEUTRALIZING PROBES

Cecil E. Haller, Lititz, and William R. Keye, Lancaster, Pa., assignors to Radio Corporation of America, a corporation of Delaware

Application March 18, 1946, Serial No. 655,060
8 Claims. (Cl. 179—171)



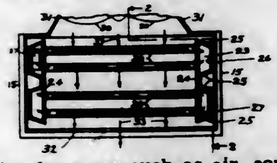
1. In an ultra high frequency amplifier system adapted to operate over a relatively wide band of frequencies, a vacuum tube having a grid, an anode and a cathode, individual tunable resonators for said anode and cathode, a ground plate directly connected to said grid and shielding said resonators from each other, and a neutralizing probe of low Q having an electrical length equal to one-half the length of the operating wave at the mean operating frequency coupling said resonators together, said probe passing through an aperture in said ground plate and being insulated therefrom, said probe being so arranged that there is a voltage nodal point thereon at or near said ground plate, said resonators each comprising a concentric line resonator whose inner and outer conductors are short-circuited for radio frequency energy at the end farthest away from said vacuum tube, the electrical length of each resonator as loaded by said vacuum tube being three-quarters of the length of the operating wave at the mean operating frequency, and input and output probes entering the interiors of said cathode and anode resonators, respectively, at the first voltage maximum point from the short-circuited ends.

2,579,821

COMBUSTION TYPE AIR HEATER FOR HOUSE TRAILERS

Deward B. Hohnstein, Denver, Colo.

Application January 17, 1947, Serial No. 722,496
4 Claims. (Cl. 126—110)



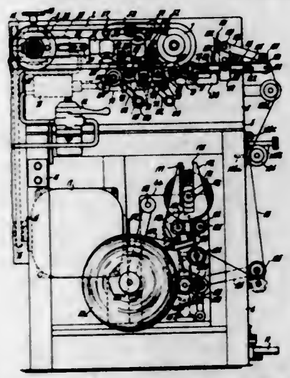
1. A heater for a gas such as air, comprising, means for effecting a flow of gas in a given direction, a group of substantially parallel flue gas tubes disposed laterally of the direction of flow of said gas, means for supplying the interior of said tubes with flue gas at substantially uniform temperature and for flow therethrough in one direction, a similar group of tubes disposed downstream of the gas flow, means for supplying said similar group of tubes with flue gas at substantially uniform temperature and for flow therethrough in a direction opposite to said first group, means to supply both groups of tubes with flue gas from a common source, and means for collecting and discharging flue gas from all said tubes.

2,579,822

BELT COVERING MACHINE

Otto F. Homeier, Baldwin, and Louis Scheib, Brooklyn, N. Y., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application March 23, 1948, Serial No. 16,476
29 Claims. (Cl. 154—3)



23. In a belt covering machine, means for supporting and moving a belt carcass, means including an endless belt type conveyor driven by movement of the belt carcass for feeding a jacket of sheet material to the belt, and means for folding the sheet material around the belt.

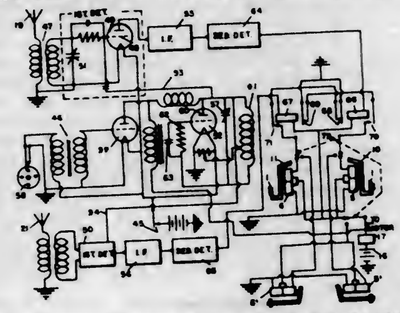
2,579,823

SYSTEM FOR CONTROLLING THE PATH OF BOMBS AND PROJECTILES

John H. Homrighous, Oak Park, Ill.

Original application January 8, 1942, Serial No. 425,972, now Patent No. 2,432,421, dated December 9, 1947. Divided and this application November 13, 1947, Serial No. 785,067
8 Claims. (Cl. 343—225)

1. In a system for controlling the path of a moving object, a steering device for directing the movement of said object, an electromagnet for controlling said device, a heterodyne radio receiver disposed in said object, an oscillator connected with said receiver to produce radio frequency waves, generator means associated with said oscillator including a movable member to produce control signals, means including a first amplifier to amplitude modulate said radio frequency waves with said control signals, means in said receiver to receive carrier waves, means in said receiver including a second amplifier to com-



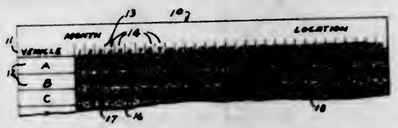
bine said modulated radio frequency waves and said carrier waves to produce intermediate frequency waves amplitude modulated with said signals, means to amplify said modulated intermediate frequency waves, means to demodulate said amplified intermediate frequency waves to produce said signals, and a relay in said receiver responsive to said demodulated signals to cause energization of said electromagnet, thereby adjusting the said steering device to alter the path of said object.

2,579,824

OIL TESTING CHART AND HOLDER THEREFOR

Thurman W. Horn, Anniston, Ala.

Application July 11, 1949, Serial No. 103,999
7 Claims. (Cl. 35—50)



5. A device for testing lubricating oil comprising a sheet of blotting paper having a surface area coated with a material over the major portion thereof, said material making the coated surface relatively non oil absorbent and said surface having uncoated localized areas therein which are relatively more oil absorbent than said coated area, and reference indicia disposed within said uncoated localized areas for visual comparison of specimens of oil therewith.

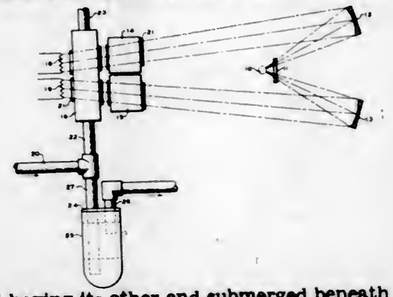
2,579,825

ANALYZER

Joseph W. Hutchins, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application July 5, 1949, Serial No. 103,158
11 Claims. (Cl. 250—43)

7. In a device for measuring the absorption characteristics of a fluid wherein said fluid flows into a chamber irradiated by radiation, a conduit for passing said fluid into said chamber, a vessel containing a liquid, and a branch conduit having one end thereof connected to said fluid conduit



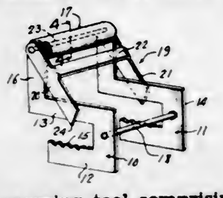
and having its other end submerged beneath said liquid, the surface of said liquid having a constant pressure impressed thereon, whereby a constant pressure is maintained in said conduits which is controlled by the depth of liquid in said vessel.

2,579,826

CARRIER DEVICE FOR CONSTRUCTION BLOCKS

George O. Ingram and Albert Contos, Toledo, Ohio

Application April 18, 1950, Serial No. 156,552
2 Claims. (Cl. 294—15)



1. A block carrying tool comprising a pair of laterally spaced parallel rigid arms, each arm being substantially C-shaped to loosely engage a construction block or tile, the free end of the load-carrying member of each of the C-shaped arms falling short of the center of gravity of the block, a rigid outwardly extending portion on each arm disposed at right angles thereto, a handle portion fixed to and joining the free ends of said outwardly extending arm portions, and a pressure arm pivotally mounted on said handle portion, said pressure arm having a free end disposable towards the inner ends of said C-shaped arms for biting into the outer surface of the block when the latter tips within said C-shaped arms in response to lifting of said tool.

2,579,827

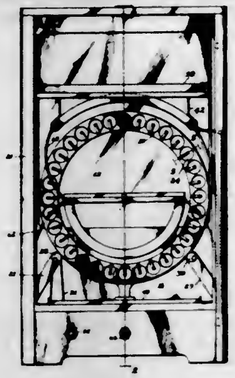
WIENER ROASTER

George Walter Johnson, Emeryville, Calif., assignor to William Bence, Los Angeles, Calif.

Application September 8, 1947, Serial No. 772,755
4 Claims. (Cl. 99—391)

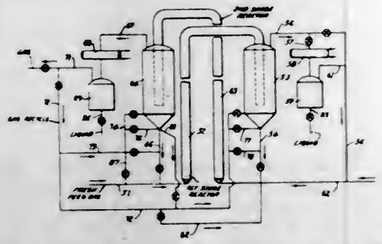
4. In combination, a food holder comprising open centered and spaced annuli connected together and provided with aligned openings to hold food products; shafts upon which said food holder rests by gravity; means to rotate one of said shafts; said rotated shaft and one of said annuli having coacting means to rotate said annuli; spaced heating elements, one of which is outside of said annuli and the other of which is

within the open center of said annuli; and a drip pan arranged in the open center of said annuli



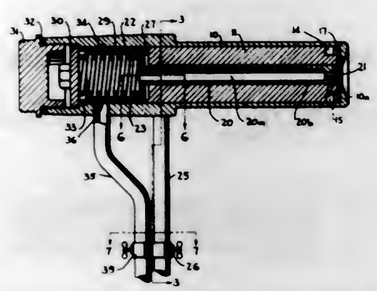
and above the heating element within said annuli.

2,579,828
SYNTHESIS OF ORGANIC COMPOUNDS
William Benedict Johnson, Far Hills, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 12, 1948, Serial No. 26,595
4 Claims. (Cl. 260—449.6)



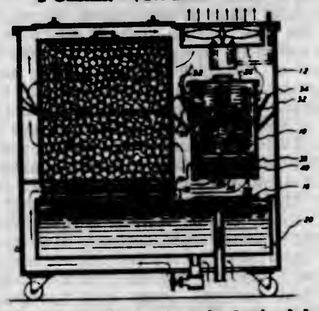
1. A process for the hydrogenation of carbon monoxide which comprises passing a gaseous mixture comprising hydrogen and carbon monoxide through a first reaction zone, introducing finely divided catalyst into said first reaction zone, passing the gaseous mixture through said first reaction zone at a velocity sufficient to move substantially all of the finely divided catalyst in the direction of flow of the gases in said first reaction zone, maintaining a H_2:CO ratio in the inlet gas to said first reaction zone not greater than about 2:1 and maintaining in said first reaction zone a conversion of carbon monoxide between about 50 and about 70 per cent to produce normally liquid organic compounds whereby relatively high boiling organic compounds are deposited on said catalyst but said deposits are minimized as a result of the positive movement and short residence time of the catalyst in the reaction zone, continuously withdrawing from said first reaction zone a reaction effluent containing unconverted hydrogen and carbon monoxide, normally liquid organic compounds, and entrained finely divided catalyst, separating entrained finely divided catalyst from said reaction effluent from said first reaction zone, contacting catalyst recovered from the effluent of said first reaction zone with a hydrogen-containing gas comprising recycle gas whereby relatively high boiling organic compounds are stripped from the catalyst, passing a gaseous mixture comprising unconverted hydrogen and carbon monoxide from said first reaction zone through a second reaction zone, introducing into said second reaction zone catalyst from said first reaction zone which has been separated and contacted with said hydrogen-containing recycle gas, maintaining a velocity in said second reaction zone sufficient to move substantially all of the finely divided catalyst therein in the direction of the flow of the gases therethrough, establishing in said second reaction zone a H_2:CO ratio not less than about 3:1, maintaining a conversion of CO in said second reaction zone at least about 80 per cent, withdrawing from said second reaction zone a reaction effluent containing normally liquid organic compounds as products of the process and entrained catalyst, separating entrained catalyst from the reaction effluent of said second reaction zone, contacting separated catalyst from said second reaction zone with a hydrogen-containing gas comprising recycle gas whereby relatively high boiling organic compounds are stripped from the catalyst and recycling catalyst thus contacted with hydrogen-containing gas comprising recycle gas from said second reaction zone to said first reaction zone.

2,579,829
LIQUID FUEL BURNER WITH OIL PRECIRCULATION
John Ruskin Joyce, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 6, 1950, Serial No. 137,063
In Great Britain January 10, 1949
16 Claims. (Cl. 299—118)



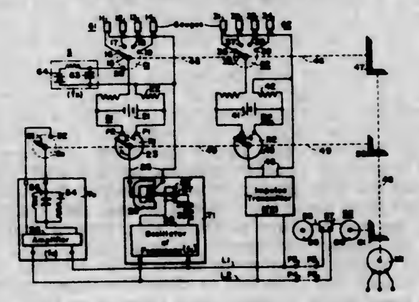
1. A burner for liquid fuel having a nozzle portion provided with an orifice means, said nozzle having a wall structure defining a pre-orifice chamber; a fuel supply duct communicating with said pre-orifice chamber for admitting fuel into said chamber; a fuel pre-circulation duct communicating with said fuel supply duct at a point in close proximity to and externally of said chamber; flow control means between said chamber and the juncture of said ducts for controlling the admission of fuel from said supply duct into said chamber; means responsive to the pressure of fuel in one of said ducts for opening said flow control means to admit fuel from said supply duct into said chamber in response to a rise in said pressure and for closing said flow control means to prevent the admission of fuel into said chamber in response to a drop in said pressure; and means for varying the fuel pressure in said ducts.

2,579,830
APPARATUS FOR DEHYDRATING AIR
Hiram Joseph Kaufman, Detroit, Mich.
Application October 26, 1945, Serial No. 624,799
1 Claim. (Cl. 183—4.3)



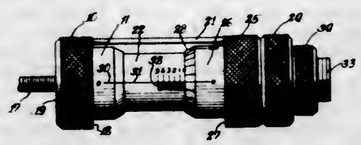
In combination with a chemical air dehydrator for removing vapors from air in which the waste hygroscopic solution formed from the hygroscopic solid flows downwardly by gravity and the air is moved upwardly in counter-flow to the waste solution and through the hygroscopic solid, said dehydrator comprising a housing providing an upper storage space for solid hygroscopic material partitioned into cells to provide air passages, of a cascading section positioned in said housing below said upper storage space, the lower ends of said air passages communicating with the upper portion of said cascading section, said cascading section formed from a plurality of vertically spaced horizontal trays having diagonally arranged openings therein whereby a relatively small rate of solution liquid flow is effectively presented to the counter-flowing air and the contacting efficiency of the structure for cascading the liquid is not appreciably affected upon slight tilting of the dehydrator.

2,579,831
STORING AND REPRODUCING MEASURED QUANTITIES
George Keinath, Larchmont, N. Y.
Application September 6, 1946, Serial No. 695,316
18 Claims. (Cl. 346—33)



5. Apparatus for measuring and storing a multitude of measuring results, comprising a plurality of groups of gauges for varying electric magnitudes in response to quantities under observation respectively, a plurality of sweep balance systems each having a selector switch connected with the gauges of one of said respective groups and each having relay means responsive to a given relay-energising condition and a circuit control device for varying the relay-energising condition over a range that includes said given condition, a plurality of oscillatory impulse transmitters of different respective frequency characteristics connected to said respective relay means so that each transmitter issues an impulse at the moment when the appertaining relay means respond to said given energizing condition, an impulse storing device of the oscillation-recording type having a movable carrier and being controlled by said transmitters to store said impulses on said carrier, first transmission means interconnecting said selector switches, second transmission means interconnecting said circuit control devices, and drive means connected with said first and second transmission means and with said storing device for moving said switches and actuating said control devices in given time relation to the movement of the carrier, one of said transmissions including speed-change means so that each selector switch maintains one of the appertaining gauges connected to the appertaining relay during a full cycle period of the appertaining control device.

2,579,832
GAUGE FOR MEASURING WIDTH AND LEAD IN SCREW THREADS
Allen C. Kinch, South Bend, Ind.
Application October 17, 1946, Serial No. 703,866
10 Claims. (Cl. 33—199)



1. A gauge for measuring the width and lead of a screw threaded rod comprising a barrel having external threads at one of its ends, a collar rotatably mounted on said barrel on the other of its ends, said collar being movable longitudinally of said barrel, a rod having one of its ends fixedly mounted on said collar and extending parallel to the axis of said barrel, said barrel having a plurality of external threads formed thereon of known lead, gauging means engaging said screw threaded rod, means securing said gauging means within said collar, a sleeve telescoped within said barrel and having a threaded end projecting beyond said threaded end of said barrel, clamping means mounted within the other end of said sleeve for engagement with said screw threaded rod, means coacting with said threaded end of said sleeve to effect said last named clamping engagement, a second collar mounted on said barrel, said second collar having internal threads corresponding to and coacting with said external threads formed on said barrel having a known lead, said second collar having a radial shoulder aligned with and engageable by the other end of said rod, a lock nut on said first named threads formed on said collar for holding said second collar in adjusted position on said barrel, and means on said first collar and barrel indicating one full revolution of said first collar about said screw threaded rod whereby said second rod is moved a given distance away from said shoulder, and means on said barrel and said second collar for indicating the number of revolutions or fractions thereof of said second collar on said barrel to close the gap between said shoulder and said other end of said second rod.

2,579,833
COMBINATION BILLFOLD AND PURSE
Simon Knee, Newark, N. J.
Application March 18, 1948, Serial No. 15,693
2 Claims. (Cl. 150—35)



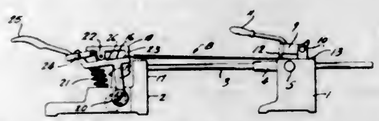
1. A combined bill fold and purse, comprising opposed outer and inner walls of foldable material, said walls being secured together at their opposing side edges for forming a bill fold compartment therebetween, a third wall opposed to a part of said inner wall and joined with the latter at its opposing side edges and along a transverse line spaced from one end thereof and forming a purse therewith, releasable closure means for said purse, said bill fold having a transverse opening located externally of the purse, closure means for said transverse opening, said outer and inner walls being foldable along a transverse line from a substantially flat form to a folded form in side by side relation with the purse, releasable companion fastener elements on said outer wall for releasably securing said bill fold and purse in said side by side relation, said opening of the bill fold providing direct access to the interior of the bill fold for the removal of paper money therefrom while said bill fold is in said folded condition thereof and while said closure means of the purse is closed, said third wall extending beyond said line of fold for a substantial distance toward said transverse opening at the bill fold and forming an additional pocket with a confronting part of said inner wall, said closure means for said transverse opening comprising an end portion projecting outwardly from said outer wall beyond the adjacent end of said inner wall and foldable over said inner wall and over the outer surface of said third wall to provide a common releasable closure for said transverse opening of said bill fold and for said additional pocket.

2,579,834
MOVING CATALYST CONVERSION SYSTEM
Reyner Kollgaard, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application May 21, 1949, Serial No. 94,584
8 Claims. (Cl. 196—52)



1. In the operation of a hydrocarbon conversion system, the method of regenerating solid granular hydrocarbon conversion catalyst containing combustible deposit, which comprises passing such catalyst downwardly as separate laterally confined compact beds through vertically spaced consecutive combustion zones, separately admitting regenerating gas to each of said combustion zones, said regenerating gas being admitted to a lower combustion zone at a pressure greater than that of admission of regenerating gas to the combustion zone thereabove, flowing the gas admitted to each zone through the compact bed of catalyst in such zone; separately withdrawing at the top of each of the respective beds flue gas produced in burning the combustible deposit in the catalyst of the respective beds, the lowermost of said catalyst beds being maintained at a lateral cross-section materially greater than the cross-section of the uppermost of said beds so that the pressure drop per linear unit of height for a given gas volume is lower in said bed of greater lateral cross-section, discharging the flue gas from the lowermost bed at higher pressure than from the bed thereabove, discharging regenerated catalyst from said lowermost bed, and utilizing the flue gas so discharged from the lowermost bed as a gaseous impelling medium for elevation of catalyst in the system to a desired height.

2,579,835
FORM SEPARATOR
Carl Lather, Chicago, Ill., assignor to Redi-Rip Company, Milwaukee, Wis., a partnership
Application July 6, 1948, Serial No. 37,282
5 Claims. (Cl. 164—84.5)

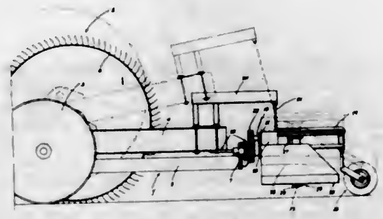


1. A manually operable lightweight portable form separator machine for separating perforated form sheets from a pad head and from shorter sheets of said head interposed between the perforated sheets, which comprises a pair of spaced base members adapted to rest on a common support, means adjustably securing said base members in a selected spaced relation to accommodate selectively sheets of different length therebetween, a pivotal jaw member on one of said base members having a jaw extending laterally across the top of the base and adapted to move downwardly upon the top of the base member to clamp the free end of said perforated sheets therebetween, a manually operable hand lever secured to said jaw member to operate the same, a clamp pivoted to the other of said bases and extending across the same with upper and lower jaw members providing a mouth opening toward said first named jaw and base members to receive the head of said form sheet pad, means to bias said clamp to a normal loading position, stop means limiting the biased movement of said clamp, and a single manually operable hand lever secured to said clamp and disposed to close the clamp upon said head under pressure and thereafter to pivot the clamp bodily upon said base against said biasing means and in a direction away from said first named jaw and base members by a single stroke of said lever, said levers being disposed to be pressed downwardly toward the support for said base members when applying pressure to close the jaw and clamp whereby manual actuation of said levers by the two hands of an operator does not displace the machine from its support and an effective clamping pressure and tearing movement may be obtained.

2,579,836
PRINTING INKS
Ernest D. Lee, Teaneck, Rupert J. Schefbauer, Jr., Union City, and Otto P. Berberich, Jersey City, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application March 26, 1948, Serial No. 17,274
4 Claims. (Cl. 260—26)

1. A printing ink comprising pigment dispersed in a vehicle, which comprises a solution of a resin in a petroleum hydrocarbon which is slow drying to substantially non-drying at room temperature, but which volatilizes very rapidly at 150° C., the resin comprising a solvent extracted Utah coal resin modified by reaction with 5 to 15 parts of an alpha, beta-ethylenically unsaturated polycarboxylic acid and from 5 to 15 parts of a polyhydric alcohol per 100 parts of the coal resin.

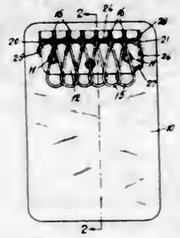
2,579,837
SUGAR BEET LEAF DEFOLIATOR
Henry V. Lea, Rio Vista, Calif., assignor of twenty-one and one-fourth per cent to Claude A. Loucks, thirty-six and one-fourth per cent to Lloyd K. Schmidt, twenty-one and one-fourth per cent to Albert M. Jongeneel, and twenty-one and one-fourth per cent to Newton Rutherford, administrator of the estate of George P. du Bose, deceased
Application January 13, 1948, Serial No. 1,981
2 Claims. (Cl. 56—25.4)



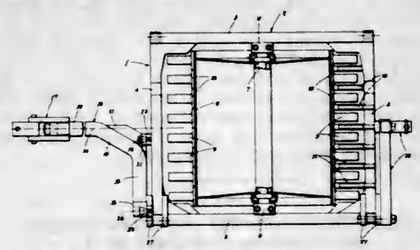
1. A sugar beet leaf defoliator for a beet harvester having a main frame supported for movement along the ground lengthwise of and adjacent beet rows, and a vertically adjustable swing frame carrying a beet harvesting device; the defoliator comprising a supporting frame extending transversely of and adjacent the harvester main frame, an attachment structure hinging the supporting frame to the main frame for vertical floating, a ground wheel on the supporting frame, a driven rotary cutter journaled on the supporting frame in cutting relation to leaves of beets over which the cutter passes, and a connection between the swing frame and supporting frame operative to lift the defoliator about its hinge, and to non-working position, upon vertical adjustment of the swing frame to raise the harvesting device to a corresponding position.

2,579,838
KEY SUPPORT
Robert C. Legat, New Britain, Conn., assignor to The G. E. Prentice Mfg. Co., Kensington, Conn., a corporation of Connecticut
Application February 3, 1949, Serial No. 74,386
8 Claims. (Cl. 70—456)

3. A key support for a key case or the like, comprising a supporting plate having a flat part for securing the plate to a key case and having a bead-like portion projecting forwardly from said flat part and provided with a plurality of slots, said slots extending transversely of said projecting portion and being enlarged at their lower ends to permit the removal of the heads of key hooks therethrough, a retaining bar rotatably mounted on said plate for concentric movement about an axis of rotation positioned forwardly of said flat part and below said projecting portion, said bar being located exteriorly of said projecting portion and normally positioned relative to the under exterior surfaces of said bead-like portion to obstruct the enlarged portions of said slots and being capable of being translated as a whole about such rotational axis away from said bead-like portion and downwardly and inwardly relative to said flat part to a position below said bead-like portion wherein the enlarged portions of the slots are uncovered to permit the removal of a key hook, and means connected to said retaining bar and operable to rotate said bar from one position to the other.

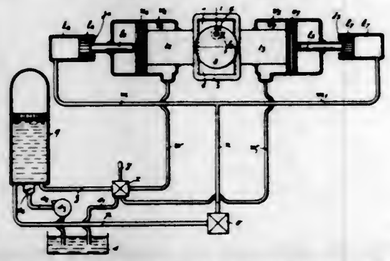


2,579,839
HITCH FOR EARTH COMPACTING UNIT
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application February 20, 1948, Serial No. 9,757
4 Claims. (Cl. 55—47)



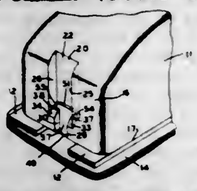
1. An earth compacting roller implement comprising a pair of roller units in end to end relation transversely of the direction of travel, each unit including a draft frame having a transverse front beam, a roller journaled in each frame, a hinge assembly connecting the frames together for relative floating motion of the roller units in a transverse vertical plane, a draft tongue ahead of the roller units, said draft tongue including a longitudinal leg substantially on the longitudinal center line of the implement and a laterally projecting rear leg extending adjacent and lengthwise of the front beam of one roller unit and connecting elements between such rear leg and adjacent front beam securing the same together; the draft tongue including a diagonal portion between the longitudinal leg and rear leg thereof; and the hinge assembly including a hinge pin exposed at the front of the implement and manually accessible to the rear of said diagonal portion of the draft tongue.

2,579,840
HYDRAULIC STEERING MECHANISM FOR AIRPLANES
Remé Lucien Levy, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland, a corporation of Switzerland
Application October 28, 1947, Serial No. 782,617
In France November 5, 1942
3 Claims. (Cl. 244—50)



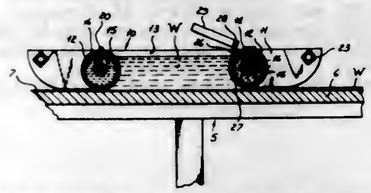
1. Hydraulic steering mechanism more particularly for aircraft landing gear comprising a rotatable spindle movable through an arc of ±180° from opposite sides of a neutral position, an eccentric member on said spindle, a pair of primary hydraulic cylinders mounted in spaced relation to and on opposite sides of said spindle, an operating piston in each cylinder defining a variable volume pressure chamber therein, means connecting the pistons to said eccentric member so that rectilinear movement of the pistons imparts rotary movement to the spindle, a secondary hydraulic cylinder mounted in spaced relation to and in alignment with each of the primary cylinders, a secondary piston in each secondary cylinder, rods on each secondary piston movable within the respective primary cylinders and contacting the outer faces of the operating pistons therein, an oleo-pneumatic accumulator, a tank, a four-way distributor and conduit means connecting said distributor respectively with said accumulator and tank and to the pressure chambers of the operating cylinders, conduit means interconnecting said secondary cylinders, an adjustable pressure reducer in communication with said last mentioned conduit means, and conduit means connecting said pressure reducer in communication with said accumulator.

2,579,841
ELECTRIC SWITCH CONSTRUCTION
Louis Ludwig, New York, N. Y.
Application July 8, 1947, Serial No. 759,653
2 Claims. (Cl. 174—53)



1. In an electrical housing body and mounting plate having complementary interconnecting means, the improvement comprising; said body having a top surface for receiving the mounting plate and an end wall, said end wall having an inclined surface angled downwardly and inwardly of the housing body and a latching surface extending inwardly from the inner end of the inclined surface and intersecting said inclined surface at an obtuse angle with respect thereto, said mounting plate having a locking element with a lug extending laterally therefrom, said locking element being struck from the mounting plate and bent downwardly over the end wall of the housing body, said lug engaging the latching surface to retain the mounting plate upon the housing body, the distance between the edge of the top wall under the bent locking element and the latching surface at the inward end thereof being less than between the same edge of the top wall under the bent locking element and said intersection whereby said inclined surface may guide the lug as the mounting plate with the locking element is being attached to the housing body and whereby intersection of the inclined and locking surfaces provide a high point to hold the locking element against the outward spread thereof upon force being applied tending to separate the mounting plate from the housing body.

2,579,842
WAX DISTRIBUTING APPLICATOR
William J. Lundberg, Warren Point, N. J.
Application September 14, 1948, Serial No. 49,281
3 Claims. (Cl. 91—36)

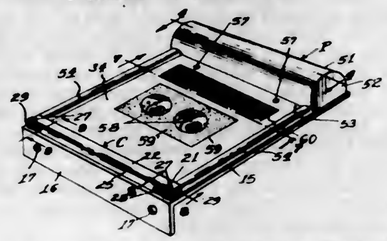


2. An applicator for applying plastic material over the upper surface of a screen printing table or the like, comprising a frame having a pair of spaced runners for longitudinal sliding operation over said surface from one end of said table to the other, and a pair of spaced members extending transversely with respect to said runners and connected to the latter in fixed relation therewith and with one of said members having an arcuate underface and constituting a rear member in relation to the direction of operation of said runners over said surface, said runners and said members cooperating to define the sides of a reservoir for the material when said runners are disposed on said surface for sliding operation thereover, heating means disposed in at least one of said members for heating the material in said reservoir, and a spreader arranged between said runners and having a curved lower section embracingly disposed under and in engagement with said underface of said rear member to effect spreading of the material from said reservoir onto said surface below said rear member, said lower section having an end portion extending outwardly from said reservoir and terminating beyond and rearwardly of said rear member to preclude the material from adhering to said rear member during said operation.

2,579,843
METHOD FOR THE MANUFACTURE OF SYNTHESIS GAS
Charles K. Mader, Cresskill, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application December 10, 1947, Serial No. 790,911
7 Claims. (Cl. 252—373)

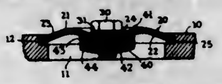
1. A process for the conversion of methane to hydrogen and carbon monoxide which comprises the steps of preheating methane to a temperature between about 200 and about 1000 degrees Fahrenheit, reforming about 20 to about 50 per cent of the preheated methane with steam in a reforming zone to produce carbon monoxide and hydrogen, passing the reforming effluent at a temperature between about 1100 and about 1600 degrees Fahrenheit into a combustion zone, partially burning substantially all of the unreacted methane in the reforming effluent at a temperature between about 1800 and about 3000 degrees Fahrenheit with oxygen supplied to the combustion zone in a ratio of from about 0.5 to about 0.7 mol of oxygen per mol of unreacted methane to produce additional quantities of hydrogen and carbon monoxide, maintaining the pressure in the reforming and combustion zones between about 10 and about 800 pounds per square inch gage, countercurrently passing the combustion products in indirect heat exchange with the reaction mixture in the reforming zone whereby the exothermic partial combustion reaction supplies heat to the endothermic reformation, and withdrawing a product comprising hydrogen and carbon monoxide in a molar ratio between about 1:1 and about 3:1.

2,579,844
TECHNICIAN'S BENCH PLATE
Charles A. Martin, Tupelo, Miss., assignor of one-half to Herbert K. Brasfield, Tupelo, Miss.
Application July 20, 1948, Serial No. 39,630
9 Claims. (Cl. 281—12)



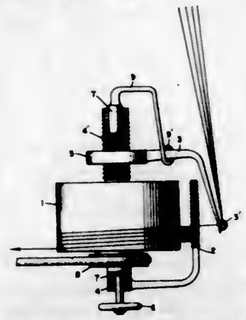
1. A device of the character set forth comprising a body having a flat top, means for supporting a roll of paper sheets across an end of said top to be drawn out thereover, a transverse clamping bar mounted on the body adjacent to a cross edge thereof, means for holding the bar in spaced relation with respect to the body to permit the paper to extend between the bar and the body top and for urging the bar against the body to engage the paper clampingly and hold it in position, said bar holding means comprising a bolt secured to the body and extending vertically therefrom and a nut loosely arranged in a slot provided in the clamping bar and extending parallel to the underside of the bar, the nut being threaded on the bolt, which projects loosely through a hole provided in the bar so that it traverses the slot.

2,579,845
EXPANSION CLOSURE PLUG
Archibald Ray McWherter, Peoria, Ill.
Application April 28, 1947, Serial No. 744,461
6 Claims. (Cl. 220—24.5)



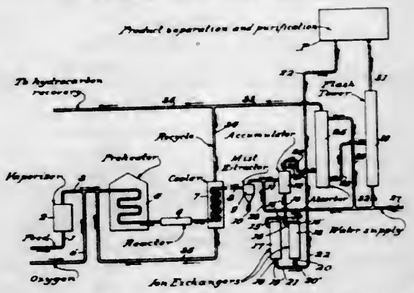
1. An expansion closure plug comprising, in combination, a permanently deformable closure disk provided with a concave face and a central opening, a relatively non-deformable locking disk provided with a concave face and having an appreciably smaller diameter than that of said closure disk, and a threaded locking member extending through said opening, said disks being mounted on said locking member with their concave faces opposing one another, and means cooperating with said threaded locking member for drawing the disk members together, to deform said closure disk whereby the central portion of its concave face becomes convex and is in contact with the concave face of the locking disk.

2,579,846
DEVICE FOR DRAWING OFF SPUN FIBRES
Jan Meravec, Zlin, Czechoslovakia, assignor to Bata, narodni podnik, Zlin, Czechoslovakia
Application March 19, 1948, Serial No. 15,753
In Czechoslovakia March 27, 1947
3 Claims. (Cl. 28—71.5)



1. A device for guidance of spun fibres during their drawing-off, such device comprising a support, a rotary take-up roller, means for continuously rotating said roller borne by said support about its axis, a stationary fibre-spacing holder extending from said support parallel to said axis, and a fibre guide which is connected to said support is movable not only around said roller and holder but also axially thereof so as to wind the fibres helically thereon.

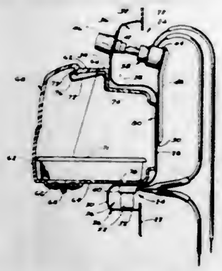
2,579,847
PROCESS FOR THE PRODUCTION AND PURIFICATION OF OXYGENATED HYDROCARBON COMPOUNDS
Clarence R. Murphy, Tulsa, Okla., assignor to Warren Petroleum Corporation, Tulsa, Okla.
Application December 23, 1948, Serial No. 67,002
9 Claims. (Cl. 260—451)



1. In a process for the production of acid-free, oxygenated hydrocarbon compounds by the par-

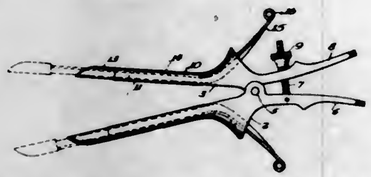
tial oxidation of hydrocarbons to produce gaseous reaction products, the steps of separating the high boiling constituents of the reaction mixture, including color bodies and the major portion of acids formed in the reaction, by cooling the gaseous reaction product to a temperature below the dew point of the acids and color bodies, separating condensed acids and color bodies, and conducting the low boiling constituents to an accumulating zone where separation of the non-volatile oxygenated compounds from the volatile portion of the mixture takes place.

2,579,848
BUTTER CONDITIONER
Alfred E. Nave, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application September 17, 1949, Serial No. 116,269
5 Claims. (Cl. 62—2)



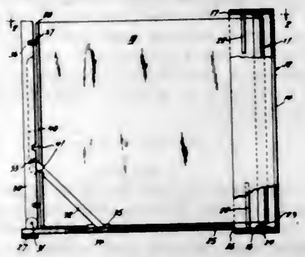
2. In a refrigerator cabinet having a main refrigerated food storage compartment, a support plate mounted upon a wall of said compartment, a housing enclosing an auxiliary food storage compartment, said housing being split into front and rear sections movable with respect to each other, a hinge joining said sections whereby said front section may be rotated about a horizontal axis to provide access to the interior of said auxiliary compartment, a latch for releasably retaining said sections in closed relationship with respect to each other, a pin mounted on said support plate for releasably retaining said housing and support plate in assembled relationship, an opening in one wall of said housing disposed adjacent said support plate in assembled relationship, a thermostat disposed in thermal contact with said support plate adjacent said opening, an electric heating element operatively connected to said thermostat in thermal contact with said support plate beneath said housing for heating said auxiliary food storage compartment.

2,579,849
SURGICAL SPECULUM
Louis B. Newman, Chicago, Ill.
Application January 26, 1946, Serial No. 643,529
5 Claims. (Cl. 128—3)



1. A speculum comprising a pair of blades hinged together, each of said blades having a shank curved in cross section and a forward end movable longitudinally relative to said shank, each forward end being carried by a supporting member curved to conform to the cross sectional shape of the shank to which it is slidably secured, each of said supporting members having a finger piece extending rearwardly of its blade to facilitate sliding movement of the supporting member, and a pair of finger pieces extending rearwardly of each blade to facilitate relative longitudinal movement of said blades.

2,579,850
EXTENSIBLE ROLLER SCREEN AND HOUSING THEREFOR
Pauline K. Nimkoff, Brooklyn, N. Y.
Application December 7, 1950, Serial No. 199,627
5 Claims. (Cl. 160—24)



2. The combination of an extensible roller screen mounted on a vertical axis and a support for the roller including a housing for the screen when in closed position, the housing including top and bottom walls provided with bearings for the terminals of the roller, fixed side walls and a movable side wall hinged at its lower end to the bottom wall and providing a floor board when the screen is in extended position, a post hinged at the outer end of the floor board and a bracing means for retaining the post in vertical position, and means for attaching the free end of the screen to the post.

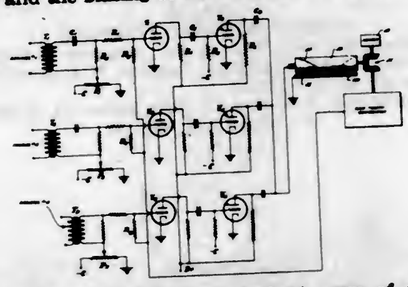
2,579,851
METHOD OF PRODUCING LACTAMS OR THEIR HYDROLYTIC PRODUCTS
Alois Nővotný, Zlin, Czechoslovakia
Application July 17, 1947, Serial No. 761,736
In Germany December 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1961
12 Claims. (Cl. 260—239)

1. A method of producing lactams which comprises mixing sulphuric acid and hydroxylamine sulfate, adding a cyclic ketone to the mixture to react with the hydroxylamine sulphate at raised temperature, and separating out the lactam from the reaction mixture.

2,579,852
MULTIPLE RECORDER
Robert W. Olson, Dallas, Tex., assignor to General Instruments Inc., a corporation of Delaware
Application October 17, 1949, Serial No. 121,727
6 Claims. (Cl. 346—34)

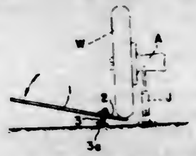
1. In a device for recording electric signals, an electronic circuit including a vacuum tube amplifier normally biased to cut off, means to introduce into said vacuum tube amplifier the said signals to be recorded to change the bias of said

amplifier, a saw-tooth voltage generator for generating a saw-tooth voltage, means to regulate the voltage of said saw-tooth generator so that it passes through the bias voltage of said vacuum tube amplifier during its upsweep to unbias said vacuum tube amplifier and through the bias voltage of said vacuum tube amplifier during its downsweep to bias said vacuum tube amplifier again to cutoff, the time of the unbiasing and the biasing of the vacuum tube amplifier



being determined by the algebraic sum of said saw-tooth voltage, the normal bias of said amplifier and the presence therein of said electric signals to be recorded, means to electrically connect said voltage to said vacuum tube amplifier, a gas tube connected to said amplifier and biased to fire only when said amplifier is cut off, and means for recording the time of the firing of said gas tube in relation to the period of the said sweep voltage as an indication of the amplitude of the signals to be recorded.

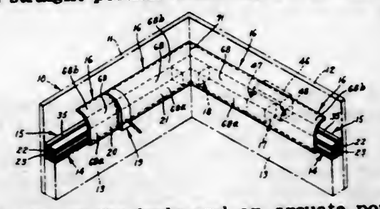
2,579,853
WHEEL MANIPULATING TOOL
Edwin C. Pardee, Tifton, Ga.
Application May 31, 1950, Serial No. 165,326
3 Claims. (Cl. 254—131)



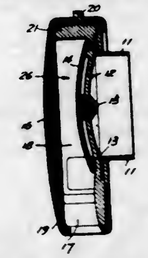
1. A wheel manipulating tool comprising an elongated rigid handle, a portion of said handle at the forward end thereof being offset upwardly from said handle and joined thereto by a relatively transversely extending shoulder, a bifurcated wheel cradle disposed beneath said offset portion and having a linear edge in engagement with said shoulder to prevent relative rotary movement between said handle and cradle, said cradle and said overlapping portion respectively being formed with registering bores, a bolt disposed through said bores and nuts on said bolt maintaining said cradle and handle in assembled relation, said bolt depending from said tool and terminating in an enlarged head having a rounded lower face to provide a universally rockable fulcrum for said tool.

2,579,854
CONTINUOUS ELECTRICAL OUTLET
Winston S. Perkins, Stratford, Conn.
Application July 7, 1948, Serial No. 37,421
9 Claims. (Cl. 172—324.1)

1. In a continuous outlet structure, an elongated body of insulating material, a pair of spaced conductors within said body and extending longitudinally thereof, a pair of entrance slots opening through the forward edge of said body and extending longitudinally thereof and at their inner ends communicating with the respective conductors, said body having a notch opening laterally into one of said entrance slots intermediate said conductors and the forward edge of the body, a cover for said body comprising a straight portion extending across the forward edge of the body and an arcuate portion extending across the upper edge of the body and comprising approximately one-quarter of a circle, a leg on the inner side of said straight portion of said body and located in one of said entrance slots for the mounting of said cover on said body, and said leg having an offset inner edge located in said notch for the purpose of preventing casual separation of said body and cover.



2,579,855
VALVE
Irving Pöckel, Wellesley, Mass., and Donald P. Smith, Cincinnati, Ohio
Application April 23, 1946, Serial No. 664,228
1 Claim. (Cl. 251—119)



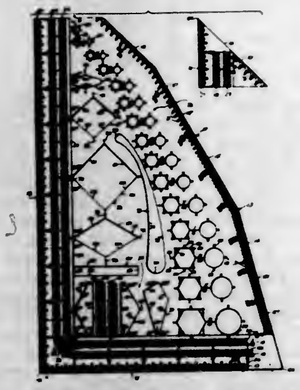
In combination, a gas mask exhalator valve including a valve member and a frame said frame being longer in length than in width and having a closed end portion and an oppositely positioned open end portion, a resilient shock resistant covering encircling said frame and forming, in combination with said frame an exhaled air conduit having an exhaled air outlet, a tubular exhaled air inlet operatively connected to the closed end portion of the frame and extending at right angles to said exhaled air conduit; said valve member including an arcuate spider mounted in the closed end portion of said frame adjacent to the inner end of said exhaled air inlet and a recessed hub portion, and a peripheral portion operatively connected to said hub portion by spokes; said peripheral portion having an annular rib concentric with said hub, and a flexible disc flexibly secured at the center of said spider by an integral projection threaded through said hub portion and being larger in diameter than said rib and adapted by reason of its flexibility and greater size to substantially overlap and wipe said rib during inhalation.

2,579,856
FINGER RING GUARD
Lloyd F. Pollard, Leonia, N. J., and Samuel Jacobson, Brooklyn, N. Y.
Application March 18, 1949, Serial No. 82,064
2 Claims. (Cl. 63—17)



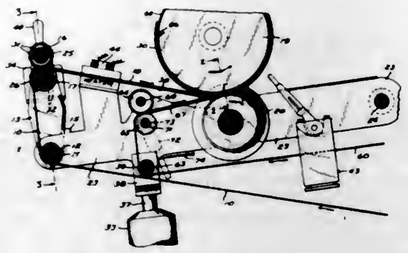
1. A finger ring guard comprising a resilient U-shaped member adapted to fit within a ring, said member having substantially at the midpoint of one of its longitudinal edges a unitary clamping element for engaging one circumferential edge of the ring; a separate clamping element for engaging the opposite circumferential edge of the ring, said separate clamping element having a face slidable along the outer surface of said U-shaped member and having a longitudinal transversely inclined slot therein; and a pin fixed in said U-shaped member substantially centrally thereof and extending outwardly therefrom through the slot in said separate clamping element, said pin having a head thereon beyond said separate clamping element for holding the latter closely adjacent to said U-shaped member; whereby movement of said separate clamping element longitudinally of said U-shaped member in one direction will clamp the ring to the guard between the unitary clamping element thereon and said separate clamping element and movement of said separate clamping member in the opposite direction will unclamp the ring.

2,579,857
DRAFTING INSTRUMENT
Owen D. Premo, Muskegon Heights, Mich.
Application September 9, 1946, Serial No. 695,698
1 Claim. (Cl. 33—104)



A drafting instrument comprising a polygonal plate-like member with a reference edge and including a fastener head guide portion with a multiplicity of pairs of circle and hexagon cutouts arranged side by side in a single path extending alongside said reference edge and increasing progressively in size from one end of said path to the other end of said path, the circle cut-out of each pair having a diameter substantially equal to the inscribed circle of the corresponding hexagon cut-out, and needlepoint holes through said plate-like member located adjacent certain corners of said hexagon cut-outs, the needlepoint holes adjacent the corners of each hexagon cut-out forming the corners of a square of substantially the same dimensions as the diameter of the corresponding circle cut-out of each pair of hexagon and circle cut-outs.

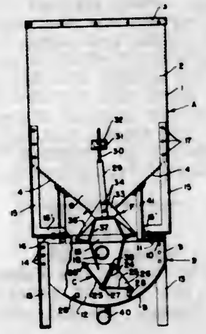
2,579,858
GASKET WINDING MACHINE
William R. Price, Wayne, Pa., assignor to Flexitallic Gasket Company, Camden, N. J., a corporation of New Jersey
Application February 10, 1949, Serial No. 75,581
1 Claim. (Cl. 153—3)



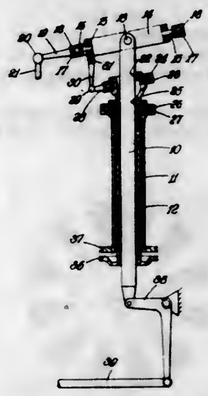
A machine for winding a gasket composed of a spiral wound ribbon and an interleaved spiral wound packing strip, comprising a rotatable mandrel on which the gasket is to be wound, a pressure roll mounted to exert radial pressure against the gasket on said mandrel during winding, a member carrying said roll for retraction as the diameter of the gasket on said mandrel increases, a pair of ribbon forming rolls carried by said member and positioned to preform the ribbon as it is fed to said mandrel for winding, a bracket pivoted to said member, and a second pair of forming rolls carried by said bracket and positioned to preform the packing strip as it is fed to said mandrel for winding between the convolutions of said ribbon, said bracket being shiftable about its pivot away from said mandrel for preforming a length of said strip when said strip is stationary.

2,579,859
APPARATUS FOR SUPPLYING SOLID MATERIAL TO LIQUIDS
Eugene L. Prizer, Escondido, Calif., assignor of one-fourth to Murray Ferguson, Compton, Calif., and one-fourth to John A. Prizer, Fullerton, Calif.
Application April 29, 1949, Serial No. 90,404
8 Claims. (Cl. 259—11)

1. An apparatus for supplying solid material to liquid comprising, in combination: a solid material hopper having a discharge opening; an agitation basin mounted below the hopper; means for delivering liquid alternately to opposite sides of the basin; and means for delivering individual increments of solid material from said hopper to said basin, comprising a tray located between the opening of the hopper and the basin, means pivotally mounting said tray for oscillating movement relative to said discharge opening to discharge successive increments of solid material from said hopper alternately at opposite sides of the tray, and means connected to said tray and operable by said liquid delivering means to oscillate the tray to deliver such solid material therefrom as successive increments alternately to opposite sides of the basin.

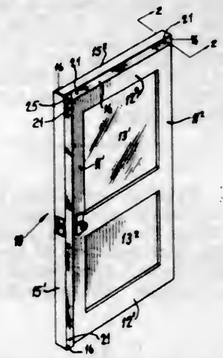


2,579,860
AIRCRAFT WITH ROTARY WINGS
Cyril George Pullin, Tadburn, Ampfield, and Kenneth Watson, Woolston, Southampton, England, assignors, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application July 29, 1947, Serial No. 764,493
In Great Britain July 30, 1946
4 Claims. (Cl. 170—160.25)



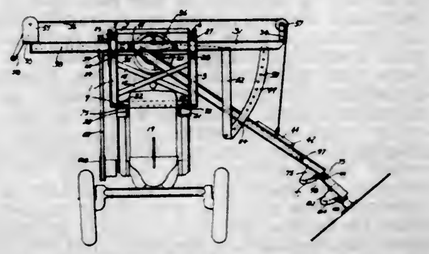
1. In a helicopter or like rotary-winged aircraft having a lifting or sustaining rotor with a rotor hub, mechanism for controlling the pitch angles of the rotor blades of the lifting or sustaining rotor including a rotative swash ring connected to the rotor blades and being tiltable and displaceable axially of the rotor, a non-rotative swash ring on which the rotative ring is journalled, a gimbal ring for mounting the non-rotative swash ring, a vertically movable support for the gimbal ring, a shaft coaxial with the rotor hub and provided with a Z-crank carrying a loose ring, and a connection between said loose ring and the gimbal ring providing for angular tilting of the gimbal ring and thus of the swash rings.

2,579,861
ADJUSTABLE AND NONSLOTTED EXTENSION MEMBER FOR DOORS
George P. Ray and William N. Ray, Queens Village, N. Y.
Application November 20, 1947, Serial No. 787,093
1 Claim. (Cl. 20—35)



In combination with a door body having a plurality of spaced-apart through transverse slot-like openings adjacent an edge of said door, a metal bar of substantially U-shaped cross-section having flanges embracing the sides of said door while covering said openings, elongated threaded metal locking members non-rotatably and slidably mounted in each of said openings, the length of said metal locking members being slightly less than the distance between the flanges of said U-shaped bar to permit only limited compression of said flanges against said locking members and controlled compression simultaneously against the sides of said door, and screws passing through each of said flanges and threaded respectively into said threaded metal locking members forcing said metal flanges against the sides of said door body, whereby said metal bar is securely connected to an external edge portion of said door body in sealing relation with the threaded portions of said screws and repeatedly adjustable on said door while covering said openings in said door body.

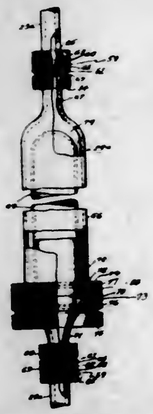
2,579,862
HEDGE CUTTING MACHINE
Richard Richardson, Coniston, near Hull, England
Application September 2, 1948, Serial No. 47,439
In Great Britain September 16, 1947
9 Claims. (Cl. 56—25.4)



1. A hedge cutting machine comprising a support capable of being mounted on a power driven vehicle, a slidable elongated member mounted for lateral displacement in a horizontal plane with respect to said support under manual control, a

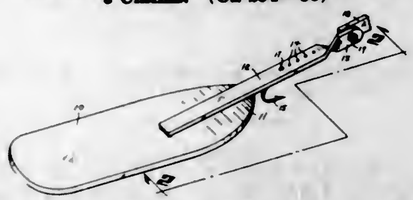
drive shaft carried by said slidable member, an arm pivoted to said slidable member for adjustment into one of a plurality of possible angular positions, a drive shaft carried by said arm, a universal coupling connecting together said drive shafts, a mounting pivoted to the free end of said arm for controlled angular adjustment, a drive shaft carried by said mounting, a universal coupling joining said drive shaft of said mounting with said drive shaft of said arm, a disc with projecting cutting teeth on the end of said drive shaft of said mounting, and means for rotating said drive shaft of said slidable member from the engine of said vehicle.

2,579,863
FILTER ASSEMBLY
John Warren Robinson, Merchantville, N. J., assignor to Scias Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application July 8, 1946, Serial No. 681,910
2 Claims. (Cl. 210—113)



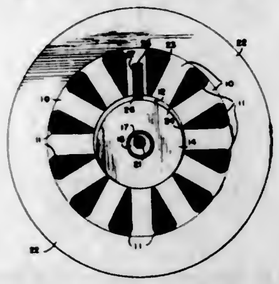
1. A filter unit adapted to be connected in a line of a filtering system in which liquid to be filtered is passed therethrough under pressure without coming in contact with metal, said unit comprising an elongated open-ended hollow sleeve formed of a fragile material which will crack or chip, one end of the sleeve serving as the inlet for the unit and the opposite end being formed with an outwardly extending shoulder, a filter element comprising an elongated hollow body of fragile porous material which will chip or crack closed at one end and open at its opposite end, the element being insertable into the sleeve whereby the closed end is adjacent to the inlet end of the sleeve, said element having an outwardly extending shoulder, an annular washer of resilient material positioned between the shoulders of the sleeve and the element, means for detachably connecting the sleeve and the element at the shoulders thereof including a first member coacting with the shoulder of the sleeve and adapted to exert force against the latter and a second member threadedly engaging the first member and coacting with the shoulder of the element and adapted to exert force against the latter for holding the washer snugly pressed between the shoulders of the sleeve and element, a first annular cushion of resilient material positioned between the shoulder of the element and the second member, a second annular cushion of resilient material disposed about the sleeve and bearing against the shoulder thereof, and an annular slip ring disposed about the sleeve which bears against the second cushion and is interposed between the latter and the first member so that, when the first member is being threadedly connected to the second member, the first member will slide over the slip ring and axially move the sleeve and washer and element and cushions tightly together without effecting relative angular movement of the washer and first cushion with respect to the sleeve and the element and without effecting relative angular movement between the sleeve and the second cushion, said cushion members operating to transmit force to said flanges to thereby prevent chipping or cracking of the latter.

2,579,864
DRAG HOOK
Kenneth M. Rooker, Des Moines, Iowa
Application May 31, 1949, Serial No. 96,281
3 Claims. (Cl. 294—66)



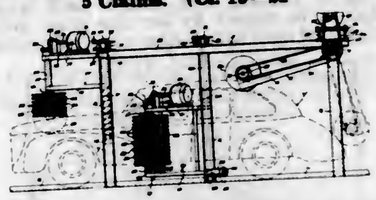
1. In a drag hook, an elongated flat base member curved upwardly at one end, a bar member secured to that end of said base member that is curved upwardly and a hook member detachably and longitudinally adjustable on said bar member, and a manual control means secured to said bar member.

2,579,865
INDUCTION MOTOR
Herbert C. Roters, Kew Gardens, N. Y., assignor to De Laval Separator Company, a corporation of New Jersey
Application November 9, 1948, Serial No. 59,113
10 Claims. (Cl. 172—120)



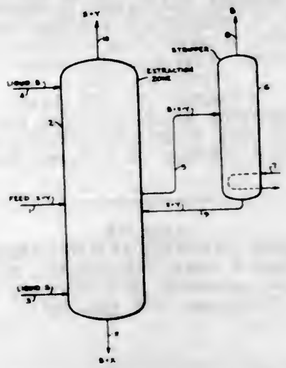
1. An induction motor comprising: a stationary field member having a cylindrical rotor tunnel; a cylindrical magnetic armature member disposed within said tunnel and proportioned to provide an asymmetrical reluctance relative to the axis of said field member; said field member including a symmetrical distributed polyphase winding system including a plurality of phase windings connected to provide a path of low impedance to induced currents of a predetermined slip frequency and normal impedance to currents of supply frequency for producing between said members relative movement having a rotational component.

2,579,866
MOTOR VEHICLE CLEANING APPARATUS HAVING ROTARY BRUSHES MOUNTED ON PIVOTED CARRIERS
Leo J. Rousseau, Grosse Pointe, Mich., assignor, by mesne assignments, to Minit-Man, Inc., Detroit, Mich., a corporation of Michigan
Application August 3, 1944, Serial No. 547,837
5 Claims. (Cl. 15—21)



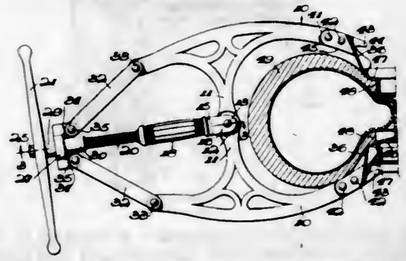
1. In a machine for cleaning the irregular body contours of vehicles movable along a vehicle pathway, a frame positioned adjacent said vehicle pathway, a brush carrier movably mounted on said frame for generally horizontal motion toward and away from a vehicle on said pathway, yielding means connected to said brush carrier for yieldingly urging said carrier toward the body of a vehicle on said pathway, a vertical motor-driven shaft journaled on said brush carrier and movable therewith toward and away from said vehicle body, and a rotary brush on said shaft having a side portion and a convexly-rounded portion thereon engageable with said irregular body contours.

2,579,867
EXTRACTION PROCESS
Malcolm L. Sagenkahn, Dobbs Ferry, N. Y., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 19, 1949, Serial No. 133,714
11 Claims. (Cl. 260—691)



1. In a solvent extraction process for the separation of components of a liquid mixture by intimately contacting said mixture with countercurrently flowing streams of immiscible solvents wherein one of said solvents is introduced at one end of the extraction zone and another of said solvents is introduced at the other end of the extraction zone and wherein the liquid mixture to be separated is introduced at an intermediate section of the extraction zone, the improvement which comprises withdrawing a selected liquid phase from the extraction zone, separating solvent therefrom and returning the remainder of said selected liquid phase to the extraction zone at a point downstream from the point of withdrawal with respect to the flow of the solvent removed.

2,579,868
PIVOTED HAND TOOL FOR LOOSENING TIRE BEADS FROM RIM FLANGES
Emil Schmid, Washington, D. C.
Application July 15, 1948, Serial No. 38,765
1 Claim. (Cl. 157—1.28)

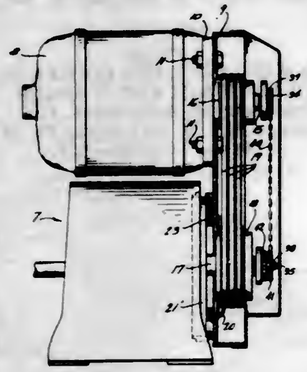


A tool for use in removing tire casings from drop center rims of automobile wheels, comprising a pair of pivotally connected opposed arms having free ends, said arms in use being arranged generally radially of the tire casing, means connected with the arms to shift the longitudinal axes of the arms laterally for moving the free ends of the arms toward and from each other, a pair of opposed thin laterally flexible blades which are mounted near their longitudinal centers upon the free ends of the arms, each blade being transversely inclined with respect to the free end of the longitudinal axis of the arm for approximately forty-five degrees and having its rear face inclined for approximately forty-five degrees from the outer side of the tire casing when engaging the tire casing, each blade extending inwardly beyond the inner edge of the arm for a substantial distance, each blade having a substantially straight blunt edge extending substantially throughout the entire length of the blade, the inclination of the blade with respect to the longitudinal axis of the arm causing said edge to slidably engage the side of the tire casing when separating the same from the rim, each blade being longitudinally curved to correspond generally to the curvature of the rim and being stiff in a direction at right angles to the direction of flexing of the blade, and a stop extension carried by the free end of each arm and spaced from the inner blunt edge of the blade a sufficient distance so that the blade will shift the side of the tire casing inwardly to enter the drop center of the rim and then limit the inward movement of the blade.

2,579,869
CHANGE-SPEED TRANSMISSION
Walter Paul Schmitter, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 12, 1949, Serial No. 76,030
4 Claims. (Cl. 74—242.13)

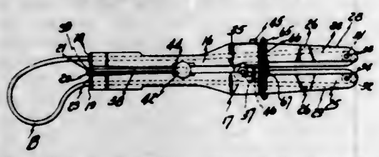
1. In a change speed transmission having a drive unit and a driven unit and a belt drive connection between said units, one of said units being a movable unit having an adjustable supporting mounting on the other fixed unit, mechanism for moving said units relative to each other to adjust the tension of said belts comprising a member rotatably mounted on said fixed unit and directly connected to one side of said supporting

unit for movement of this side of said unit, and manually adjustable means on the other side of



said supporting unit indirectly connected to said member for moving said member and this side of said unit.

2,579,870
APPLIANCE FOR CLEANING VENETIAN BLINDS
George Schneider, Saginaw, Mich., assignor to Blind Cleaners, Inc., Saginaw, Mich., a corporation of Michigan
Application November 15, 1948, Serial No. 60,029
12 Claims. (Cl. 15—231)



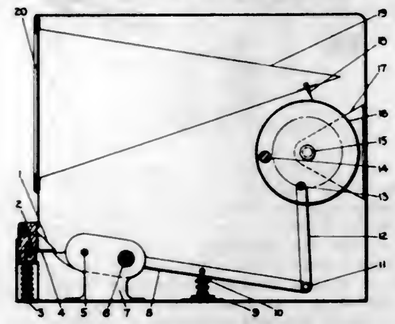
9. In a slat cleaning appliance of the class described, comprising upper and lower rigid handle sections, a hinge including a pin loosely connecting the respective handles at one end thereof to permit limited, transverse, rocking movement of said handles with relation to each other, said handles terminating in opposed jaw sections, and a continuous belt trained over and between said jaw sections, and forming a facing for the inner surfaces thereof.

2,579,871
DIVINYL SULFONE TANNED PROTEINS
Dwight L. Scheene, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 9, 1949, Serial No. 98,165
5 Claims. (Cl. 8—127.5)

2. A method of treating wool which comprises reacting the protein thereof with divinyl sulfone in the presence of an alkaline catalyst.

2,579,872
EDUCATIONAL TALKING TOY
Bernard Segal and Leo Salit, New York, N. Y.; said Salit assignor to said Segal
Application April 26, 1946, Serial No. 665,211
3 Claims. (Cl. 274—1)

1. In an educational toy of the character described, in combination with a frame, a cylinder having a sound track thereon, rotatably mounted on the frame, a member formed of sheet material mounted on the frame whereby said sheet member is free to vibrate, a stylus carried on said sheet member and extending therefrom in engagement with the sound track, a key moveably mounted on the frame, a swingably mounted lever, pivotedly mounted intermediate its ends on the frame, whereby one end of said lever is adapted to be moved by the key upon manual movement of said key, a link pivotedly mounted

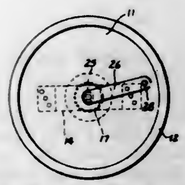


at its ends to the other end of the lever and to the cylinder at a point spaced from the axis of rotation of said cylinder and spring means to maintain said lever at a predetermined rest position; in such rest position, the line joining the pivotal connections of the link, being spaced from the axis of rotation of the cylinder, whereby upon manual movement of the key, the sheet member will be caused to vibrate due to the resulting rotation of the cylinder, thereby producing sound.

2,579,873
CELLULOSE DERIVATIVES
George W. Seymour, Maplewood, Blanche B. White, Summit, and Howard R. Kirshen, Chatham, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 22, 1948, Serial No. 66,824
14 Claims. (Cl. 260—213)

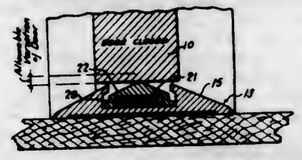
13. Morpholinyl cellulose acetate, the morpholinyl group being chemically linked to the cellulose molecule through its nitrogen atom.

2,579,874
PAINT STIRRER AND BLENDER
Anne S. Shaw, Philadelphia, Pa.
Application August 30, 1949, Serial No. 113,061
3 Claims. (Cl. 259—107)



1. A paint stirrer and blender comprising means to support it in operative position on a container and embodying a bearing member and a well disposed above the bearing member and having a wall provided with an opening therein, a rotatable paddle including an actuating shaft having an upper end portion journaled in the bearing member and projecting into the well through the opening in the wall of the latter, manually operated means for actuating the shaft and means, comprising a solder joint, forming a normally rigid hermetic seal between the shaft and the surrounding wall of the well, adapted to release the shaft upon the application of torsional force thereto.

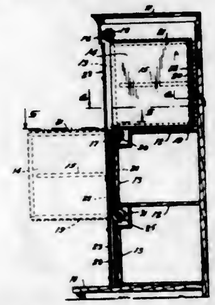
2,579,875
DOOR THRESHOLD
Lloyd Stanko, Toledo, Ohio
Application May 20, 1950, Serial No. 163,230
1 Claim. (Cl. 20—64)



A threshold comprising an elongate body, elongate upwardly sloping side walls on said body, a centrally disposed channel extending longitudinally throughout the length of said body, a closed bottom wall for said channel, the top of said channel being open thereby to provide an elongate slot, vertically extending side walls for said channel, an inwardly extending wall portion on the upper edge of each vertical wall for constricting the mouth or top of the channel, the free edge portions of said inwardly extending wall being vertically disposed, an elongate rigid bar vertically movable within said channel and extending throughout the length thereof, upwardly and inwardly sloping side walls on said bar meeting to form an apex portion, the slope of the side walls of the bar corresponding to the slope of the body side walls so that when the bar is in raised position the side walls thereof merge with and form a continuation of the body side walls, vertically disposed wall portions depending from said side walls of the bar generally to conform to said vertically disposed edge portions of the channel, outwardly extending wall portions contiguous to said depending wall portions for abutting against said inwardly extending wall portions of the channel in the raised position of the bar, the under side of said bar having a plurality of sockets spaced from each other, and springs in said sockets respectively and bearing against said closed bottom wall of the channel thereby yieldingly to hold said bar in its raised position.

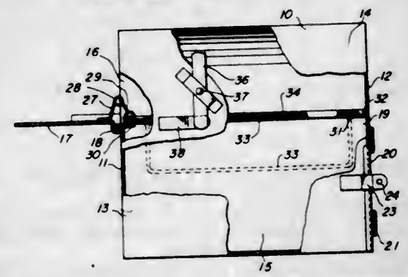
2,579,876
PULLDOWN CABINET
Leo A. Stebbins, Denver, Colo.
Application June 18, 1946, Serial No. 677,576
2 Claims. (Cl. 312—319)

2. A cabinet comprising: a cabinet having an open front and being divided into vertically arranged sections; a box-like case removably positioned in the uppermost section; an upper gear shaft extending horizontally across the top of the front of said uppermost section; a lower gear shaft similarly extending across the bottom of the front of said uppermost section; a pair of spaced-apart gears secured on each gear shaft; a pair of similarly spaced toothed racks extending in parallel relation rearwardly across the top and bottom of said case in mesh with said gears; means for rotating the two gear shafts in opposite directions to cause said gears to act upon said racks to move said case horizontally; a vertically positioned guide flange at the rear edge of each side of said case; a vertically positioned molding strip at each side of said uppermost section in the paths of said guide flanges to stop the forward motion of said case; a vertical guide channel extending downwardly from each side of said uppermost section along the front of said cabinet to guide said guide flanges therealong; a



pair of rear toothed racks on the back of said case positioned vertically to enmesh with the gears on the lower gear shaft as said guide flanges travel in said guide channels; a power shaft extending between said guide channels below said lower gear shaft; gears on said power shaft for meshing with said rear toothed racks when the latter move below said lower gear shaft; and means for rotating all of said shafts in unison.

2,579,877
DOOR-ACTUATED DUAL COMPARTMENT MAILBOX
Fred Stone, Gladewater, Tex.
Application August 17, 1949, Serial No. 110,740
5 Claims. (Cl. 232—27)

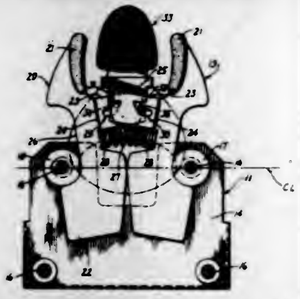


1. A mail box including, a container having upright end and side walls, a platform hinged horizontal along the medial portion of one of the side walls arranged to swing up and down in the container, an upper door in one of the upright walls of the container extending above the platform, a lower door in one of the walls of the container below the hinge of the platform, a lifter hinged in the container along one of the upright side walls thereof under the platform, a connection between the upper door and the lifter arranged to move the lifter upwardly to a horizontal position under the platform when the upper door is swung open, the platform and lifter being hinged to swing in unison or independently of each other, and a latch mounted in one of the upright walls of the container engaging the platform to hold the latter in a horizontal position independently of the lifter.

2,579,878
MOUNTING DEVICE FOR TELEPHONES AND THE LIKE

Paul L. Stone, Melrose Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application March 19, 1949, Serial No. 82,436
8 Claims. (Cl. 248—313)

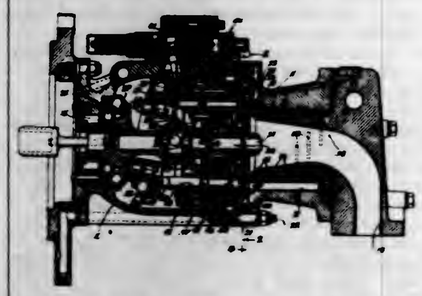


8. Apparatus for releasably retaining telephone hand sets or other devices in a rest position, comprising: a pair of elongated movable members having end portions providing jaw members adapted releasably to engage and support such devices; a pair of fulcrums defining a line-of-centers, each of said members being rotatable about an associated one of said fulcrums and each also being longitudinally movable with respect to said fulcrums and transversely of said line-of-centers, said fulcrums further serving to guide said members during said longitudinal movements; and resilient means reacting against said jaw members and tending to rotate the same about said fulcrums, said resilient means being movable across said line-of-centers in response to the aforesaid longitudinal movements of said members, the rotational movement imparted by said resilient means serving to spread the mentioned end portions of said members to open the jaws when said resilient means lies to one side of said line-of-centers and acting to close the jaws by spreading the opposite end portions of said members when the resilient means lies to the other side of said line-of-centers.

2,579,879
GYRATORY VALVE FOR HYDRAULIC PUMPS OR MOTORS

Ludwig T. Stoyke and Bruce H. Mosbacher, Rockford, Ill., assignors to Sundstrand Machine Tool Co., a corporation of Illinois

Application December 10, 1949, Serial No. 132,292
9 Claims. (Cl. 103—173)



1. In a variable displacement hydraulic pump, a casing, a cylindrical valve chamber in the casing having parallel end faces, a plurality of fluid ports opening to one end face of the valve chamber in an annular row, a second plurality of fluid ports opening to the other end face of the valve chamber in an annular row, and a fluid passage opening to said valve chamber radially inwardly of said ports, a valve operable successively to connect the ports in the first mentioned end face alternately to the passage and to the other ports comprising a wheel-like member having a hub, a substantially circular valving rim and an opening between the hub and the rim, said rim having end faces in fluid-tight sliding engagement with the end faces of the valve chamber, means engaging the hub for driving said valve through an eccentric movement with respect to said ports with the valve being permissibly rotatable in the chamber, and a plurality of openings extending through the valving rim and serving as the only means of communication between the ports in one end face and the ports in the other end face, the width of each of said openings measured circumferentially of the rim being less than the shortest distance between the ports in the first mentioned plurality.

2,579,880
PACKAGE

Tryggve Bob Stue, Oslo, Norway

Application September 15, 1947, Serial No. 774,079
In Norway November 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 16, 1963
4 Claims. (Cl. 229—9)

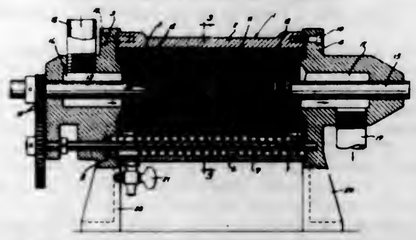


1. A package comprising body means, a tuck flap at one end of said means having a slot extending transversely to the tucking-in direction of said tuck flap from one side edge for a certain distance of the width thereof so as to form a secondary flap thereon, said secondary flap being folded over diagonally and rearwardly so as to project substantially longitudinally of and beyond the tuck flap and the body means when the tuck flap is in folded in condition and thereby form an operative flap for withdrawal or pushing-in of the tuck flap relatively to said body means.

2,579,881
AMALGAMATING MACHINE

Wesley Styles, Minneapolis, Minn.

Application March 18, 1946, Serial No. 655,282
1 Claim. (Cl. 209—205)

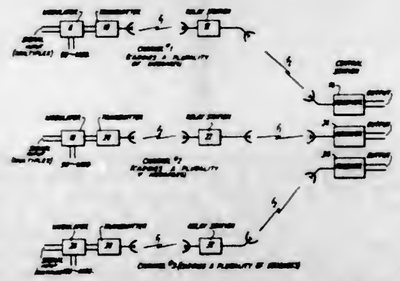


In an amalgamating machine, a stationary housing providing a horizontally elongated generally cylindrical amalgamating chamber adapted to contain a body of fluid amalgamating medium to a predetermined static level, an ore sludge inlet passage through one end wall portion of the amalgamating medium, a residue sludge outlet through the other end wall portion of the amalgamating chamber and located above the static level of the amalgamating medium, the inner wall surface of the stationary housing defining the periphery of the amalgamating chamber being roughened to aid in scouring and cracking of the amalgamation inhibiting coating on the ore particles, a horizontally elongated rotary agitator within the amalgamating chamber and journalled in the end wall portions of said housing, said rotary agitator comprising a series of axially spaced agitating blades, power means for driving said agitator at high speed, whereby to produce a severe impingement of the ore particles against the roughened interior surface of the housing wall, said housing being formed below the amalgamating chamber thereof to provide an elongated cylindrical pump chamber extending substantially parallel to the amalgamating chamber, said housing wall being provided with an amalgamating fluid outlet passage from the lower portion of the amalgamating chamber at the output end thereof to one end of said elongated pump chamber, said housing wall being provided with a second passage at the opposite end of the pump chamber providing an amalgamating liquid return from the pump chamber to the bottom portion of the amalgamating chamber at the input end thereof and below the sludge inlet passage therethrough, and a power driven screw within said elongated pump chamber for maintaining a positive circulation of amalgamating fluid from the output end of the amalgamating chamber to the input end thereof within the pump chamber and thence from the input end to the output end thereof within the amalgamating chamber.

2,579,882
INTERFERENCE SUPPRESSION IN RADIO SIGNALING SYSTEMS

Leland E. Thompson, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 5, 1947, Serial No. 752,652
2 Claims. (Cl. 250—6)

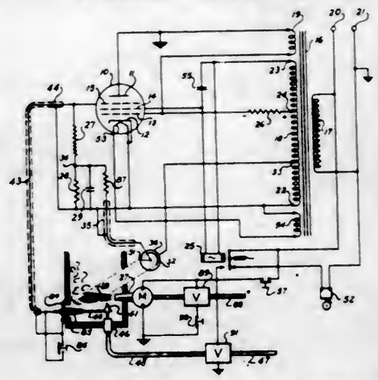


2. In signalling apparatus, a plurality of carrier transmitters including at least one having means for modulating the transmitted carrier by a plurality of signals, a receiver for said one carrier including a detector and filters for separating said signals each from the others, and means for reducing the effects of interference in said receiver caused by reception of another of said carriers including means, in addition to said means for modulating, in the transmitter sending out said one carrier for sweeping the frequency of such carrier at a low audio frequency rate through a range greater than the band passed by one of said filters and no greater than the acceptance band of said receiver, and separate means in the transmitter sending out said other carrier for sweeping the frequency of such carrier at a different low audio frequency rate through a range greater than the band passed by one of said filters and no greater than the acceptance band of said receiver.

2,579,883
FLAME FAILURE CONTROL SYSTEM

E. Craig Thomson, Boston, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts

Application June 13, 1947, Serial No. 754,435
16 Claims. (Cl. 158—28)



1. A burner control comprising: an electron discharge device having a cathode, a first and a second anode, the first anode spaced farther than the second from said cathode; a first control electrode disposed between said cathode and said second anode, and a second control electrode disposed between said anodes; a first anode circuit including voltage supply means connected between said cathode and said first anode; a second anode circuit including said cathode, said second anode, a second voltage supply means, and electrically energizable operator means adapted, when energized, to permit operation of the burner; a circuit for applying a negative bias to said first control grid, thereby reducing the current through the second anode circuit and de-energizing said operator means; and a control circuit, including a flame detecting device adapted in the presence of flame to apply a negative bias to said second control electrode thereby reducing current through said first anode and increasing the current through said second anode so as to maintain said operator means energized.

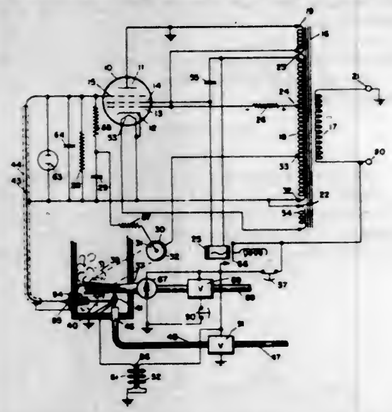
2,579,884
FLAME FAILURE SAFEGUARD

E. Craig Thomson, Boston, and Philip Giuffrida, Lawrence, Mass., assignors to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts

Application December 11, 1947, Serial No. 791,054
8 Claims. (Cl. 250—27)

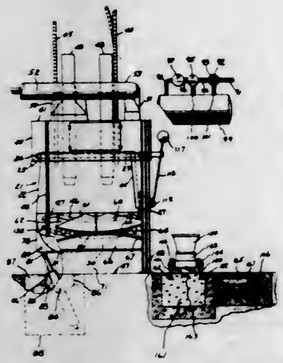
1. In a flame failure control employing a detecting element adapted to form an electrical contact with the flame: a discharge device having an anode, cathode and control electrode; an input circuit including said cathode, said control electrode, said detecting element, and a network

comprising a first capacitor, a first resistance connected in parallel therewith, and, also in parallel therewith, a second resistance connected



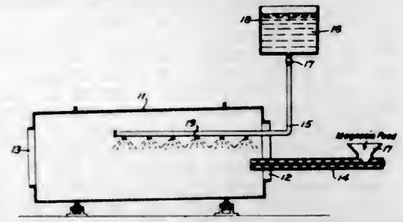
in series with a second capacitance; and a gas filled diode of the voltage regulating type connected in parallel with said network.

2,579,885
POURING ARC FURNACE
John A. Upper, Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 4, 1948, Serial No. 63,604
6 Claims. (Cl. 13—10)



1. In an electric arc furnace, a crucible in the shape of a frusto-cone small end up with a flat wall interrupting its otherwise conical surface at the front and a curved bottom at the large end of the cone having a depending bulge to the rear of the geometrical axis of the cone, the bottom being continuous with the frusto-cone and the crucible being hollow and made of metal, a single spout in the crucible said spout being located in the flat wall above the bottom and below the top of the crucible, a plurality of electrodes extending downwardly into the crucible, a mounting for the crucible, means for tilting the crucible on the mounting to lower the spout for pouring, a refractory lining for the bottom of the crucible and extending part way up the inside of the frusto-cone the spout being located below the top of the lining, and means for cooling the outside of the crucible.

2,579,886
PROCESS OF MAKING PEBBLE-SHAPED MAGNESIA REFRACTORY
Arthur W. Vettel, Watsonville, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
Application October 7, 1948, Serial No. 53,179
11 Claims. (Cl. 23—201)



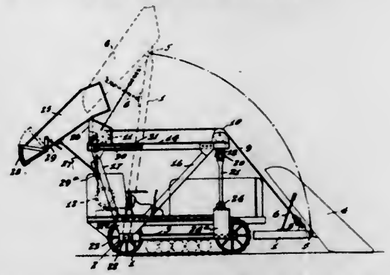
1. Process of making pebble-shaped magnesia refractory comprising calcining magnesia-yielding material, containing on the ignited basis at least 95% magnesium oxide and not over 1.5% silica, to an ignition loss of not over about 0.75%, nodulizing said calcined material while spraying with a liquid binder, at least about 90% of said calcined material passing through a 100 mesh screen, and firing said nodules at a temperature of at least 1800° C.

2,579,887
SELECTIVE WRITING INSTRUMENT
John A. Vierling, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application March 19, 1947, Serial No. 735,594
1 Claim. (Cl. 120—42.13)



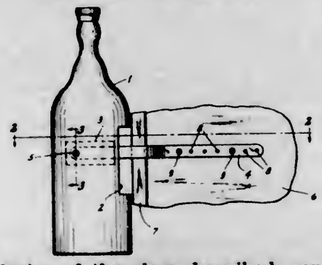
In a capless selective writing instrument, a partial casing portion, a sleeve having slots formed therein and a shoulder formed at the rear end of each of said slots, said sleeve secured in the upper end of said casing portion, a threaded core member rotatable within said sleeve, a rear end casing portion secured to the upper end of said core member adapted to rotate said core member within said slotted sleeve, threaded cross heads adapted to engage with said threaded core member and move in said slots of said sleeve between said core member and said casing and to contact said shoulders when said cross heads are moved rearwardly in said slots, spring arms secured to said cross head, ink containers having writing ends formed thereon and secured to said spring arms adapted to be alternately extended or withdrawn through an opening formed in the lower end of said casing by rotating said rear end casing portion.

2,579,888
CABLE OVERTHROW LOADER FOR TRACTORS
Alexander Watt, Calgary, Alberta, Canada, assignor to George Archibald Robinson, Calgary, Alberta, Canada
Application May 23, 1949, Serial No. 94,760
In Canada June 14, 1947
2 Claims. (Cl. 214—78)



1. A cable operated overthrow loader for use with a crawler type tractor which comprises a chassis, jib arms pivotably mounted on the unsprung parts of said chassis adjacent the rear axle, a scoop attached to said jib arms, an overhead cable sheave supporting frame, a V-shaped support for said frame mounted at its lower end to each side of the unsprung parts of said chassis for limited pivotal movement in a longitudinal plane and rigidly attached at the upper ends of its arms near the forward and rear extremities of said frame, a cross-piece centrally mounted to the forward end of said frame for pivotal movement in a transverse plane and at a point forwardly of the point of attachment of the upper end of the forward arm of the V-shaped support, and a substantially vertical pillar at each side of said chassis attached at its lower end to said chassis for limited pivotal movement in a longitudinal plane, and attached at its upper end to said cross-piece for pivotal movement in a transverse plane.

2,579,889
ADVERTISING DISPLAY DEVICE
Alvin Weinberg, University City, Mo.
Application June 12, 1946, Serial No. 676,138
2 Claims. (Cl. 40—126)

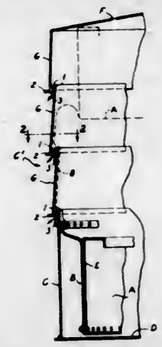


1. A device of the class described, comprising a replica of a commercial bottle adapted to receive the commercial dress of the container that it simulates, said bottle replica having a cutout portion in one wall thereof, webs oppositely disposed and secured to the interior side wall of said bottle replica, a pair of flexible straps pivoted to said webs and extending rearwardly through the cutout portion in the body of said bottle, and releasable means for connecting said straps to opposite faces of a vertical support.

2,579,890
NONCLOGGING DISTILLATE FUEL OIL
Calmy Wies, New York, N. Y., and John B. R. Caron, North Plainfield, and Everett B. Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 3, 1948, Serial No. 37,084
13 Claims. (Cl. 44—70)

8. A non-clogging distillate fuel oil containing entrained moisture normally susceptible to cause clogging due to the presence of cracked components in said fuel oil, said fuel oil rendered non-clogging by incorporating therein about 0.005% dioctyl sodium sulfosuccinate, about 0.0042% barium salt of alkyl phenol disulfide and about 0.0265% diethylene glycol monobutyl ether.

2,579,891
VENTILATED WALL STRUCTURE FOR DRY SEAL GASHOLDERS
John H. Wiggins, Chicago, Ill.
Application January 17, 1949, Serial No. 71,273
2 Claims. (Cl. 48—178)

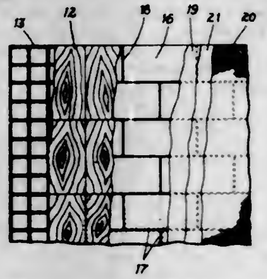


1. A gas holder provided with a container having a side wall whose lower portion is gas-tight and constitutes the side wall of the gas storage chamber, a vertically-movable piston in said container that forms the top wall of the storage chamber, and a flexible, curtain-like, gas-tight sealing element attached to said piston and to an intermediate portion of the container side wall so as to serve as a seal for the piston, the upper portion of said side wall located above the point where the piston sealing element is attached to said wall being formed by a plurality of vertically-disposed, frusto-conical wall portions, arranged one above the other with their end portions slightly telescoped and set in spaced relation so as to produce ventilating slots.

2,579,892
OUTDOOR PROJECTION SCREEN
Chauncey S. Wright, Dayton, Ohio, assignor to C. S. Wright & Company, Dayton, Ohio, a partnership
Application November 20, 1948, Serial No. 61,231
4 Claims. (Cl. 88—28.9)

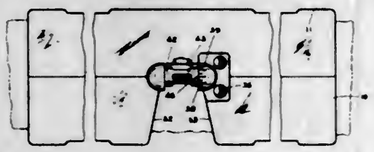
2. As a new article of manufacture, a weather resistant projection screen for outdoor theaters having a smooth image displaying surface, comprising a base formed by a plywood sheeting and a sheet of asbestos material secured to a lattice-type frame, said base having a coating of binding material comprising a lead base pigment, linseed

oil and zinc, a canvas material united to said base by said binding material, and a coating on the



surface of said canvas material forming the image displaying surface.

2,579,893
COMBINATION LEVEL AND ANGLE INDICATOR FOR CYLINDRICAL MEMBERS
Charles S. Wright, Woodside, N. Y.
Application September 21, 1949, Serial No. 116,922
11 Claims. (Cl. 33—211)



1. A combination level and angle indicator, adapted for use on substantially cylindrical objects, comprising a relatively long base, a pair of angular legs formed integral with said base, said legs forming a V-way between the contact surfaces thereof, the area between the contact surfaces being undercut to form a plurality of spaced contact areas, said surfaces being adapted to contact the outer circumference of the object, a liquid-filled level tube mounted substantially parallel to the axis of said base, said tube having a plurality of angular graduations formed around the outer circumference thereof, means supporting said tube on the base, and means mounted in substantial alignment with the longitudinal center-line of said tube for indicating the angular location of the tube on the object.

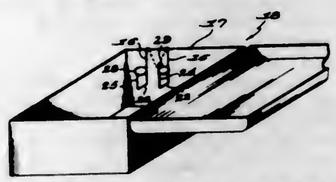
2,579,894
FOUNDATION FRONT FOR GARMENTS
Hagop J. Yaghubian, Bronx, N. Y.
Application November 14, 1947, Serial No. 785,906
2 Claims. (Cl. 2—255)

1. A foundation front for garments comprising an outer material consisting of a front piece set on the straight and a shoulder piece set on the bias, said front piece and shoulder piece joined together by stitching, a hair-cloth liner beneath a portion of said front piece and said shoulder piece, a series of graduated substantially triangular filler materials with the bases of each of said triangular filler materials coinciding with the outer end of said shoulder piece, said triangular filler materials beneath said hair-cloth liner with the smallest of said filler materials at the upper portion and graduated downwardly to the largest filler material, an extension beyond the normal shoulder line extending over and to the rear of the shoulder piece forming a tapered termination, a lining material beneath said shoulder piece and said front piece, said shoulder piece, said triangular filler materials and said lining material stitched through their various layers



around a curved surface simulating the normal shoulder curvature, whereby said shoulder piece and said filler materials will retain the said shoulder curvature preventing shifting of the said materials beneath said shoulder piece.

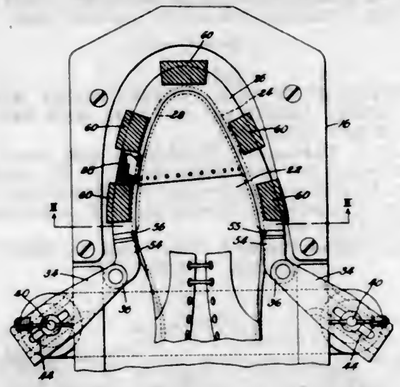
2,579,895
CONDIMENT HOLDER SUPPORTING BRACKET
Ralph I. Andersen, Schenectady, N. Y.
Application April 13, 1946, Serial No. 662,020
1 Claim. (Cl. 211—75)



A condiment holder supporting bracket formed of a single length of spring wire providing a V-shaped attaching clip portion, the upper ends of which are extended downwardly in parallel spaced relation forming rear supporting members, the lower end of said rear supporting members being directed forwardly at right angles to said rear members to form base members, said base members being directed upwardly at right angles to form front supporting members disposed in parallel spaced relation with each other and with said rear members, and transversely extending closed condiment holder-encircling loops on the upper ends of said front supporting members arranged to contact said rear supporting members at points diametrically opposed to said front supporting members.

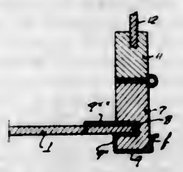
2,579,896
MAGNETIC WELT HOLDDOWN
Merwin F. Ashley, Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application August 6, 1947, Serial No. 766,825. Divided and this application August 24, 1949, Serial No. 112,097
8 Claims. (Cl. 12—33)

5. In combination, a flexible U-shaped elongated casing having an angular cross-section adapted to enter the welt crease of the forepart of a shoe, a plurality of ferro-magnetic balls substantially filling said casing, a magnet having pivoted pole pieces which coact with the ends of the U-shaped casing to cause said balls to be



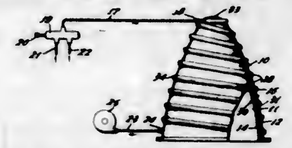
mutually attracted so that the mass thereof is substantially rigid, and means engaging spaced portions of said casing for clamping together said casing, the adjacent welt and a cemented sole to cause the adhesion of the welt and the sole.

2,579,897
COLLAPSIBLE WARDROBE
Irving Blechman, New York, N. Y.
Application March 5, 1946, Serial No. 652,046
1 Claim. (Cl. 20—92.7)



An assembled panel structure comprising a first panel composed of impressionable material and having a longitudinal edge, a second panel extending in a plane parallel to said edge and transverse to the plane of said first panel, said second panel having a longitudinal groove therein and said edge projecting into said groove, and a fastening member for securing said panels in assembled relation, said fastening member comprising a prong-like penetrating section embedded within one surface of said first panel at a point spaced inwardly from said edge, a straight section integral with said penetrating section and extending outwardly therefrom along said one surface and toward said edge, a U-shaped section integral with said straight section and extending outwardly therefrom into said groove and around said edge and then inwardly along the other surface of said first panel in a direction away from said edge, a lateral section integral with the inwardly-extending portion of said U-shaped section and extending laterally therefrom in a direction approximately transverse to said first panel and in contact with the respective adjacent surface of said second panel, the latter having an edge, a forwardly-extending section integral with said lateral section and abutting said last-recited edge, a finger section integral with said forwardly-extending section and extending laterally therefrom in contact with the other surface of said second panel, the end of said finger section having a forwardly-bent portion adapted to be contacted by a finger, and said fastening member being composed of resilient material so as to be yieldable.

2,579,898
MOLD FOR HEAT CURING THERMOSETTING RESINS
Milton Brucker, Los Angeles, Calif.
Application May 3, 1949, Serial No. 91,054
6 Claims. (Cl. 18—38)



1. A mold for heat curing thermosetting resins and the like, said mold having an inner surface of a configuration conforming to that of the article to be molded and an outer surface of generally similar configuration to that of said inner surface, metal tubing engaged in intimate line contact with said outer surface, said tubing being bent in a suitable configuration to substantially uniformly overlie said outer surface with portions of the tubing substantially uniformly spaced apart and distributed over the area of said outer surface, means securing said tubing to said outer surface at spaced intervals along the length thereof to hold the same in contact with said outer surface, heat conducting metal in the interspaces between said tubing and said outer surface along the respective sides of the line of contact of said tubing with said outer surface, said heat conducting metal thus forming fillets for transferring heat from said tubing to said mold, and a layer of heat conducting metal of substantially uniform thickness covering the portions of the tubing and said outer surface which is not engaged by said fillets.

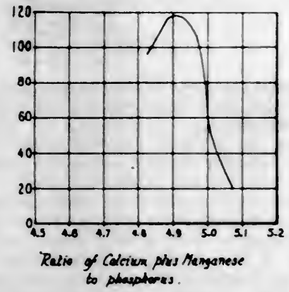
2,579,899
REMOVABLE CAP WITH DEPENDING CHAMBER WHICH ENCLOSES A RECIPROCATING VALVE ELEMENT
Dale L. Burrows, Hampton, Va.
Application May 21, 1948, Serial No. 28,327
5 Claims. (Cl. 222—196.2)



1. In a condiment dispenser, a cap having a delivery opening, a chamber depending from said cap and having passages communicating with the delivery opening, a valve normally closing the delivery opening, said valve including a stem slidably mounted in said chamber, a hollow plunger carried by said stem and remaining entirely within the chamber during sliding of said stem, a weight disposed in the plunger, and means car-

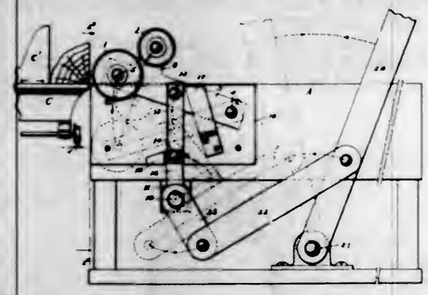
ried by the plunger and remaining in the chamber for guiding the sliding movement thereof and for cleaning the inner walls of the chamber, said passages having a combined area slightly less than the minimum cross-sectional area of said delivery opening, the stem of said valve having a conical portion constituting a deflector for said condiment leaving the delivery opening.

2,579,900
IMPROVED CALCIUM HALO-PHOSPHATE PHOSPHOR
Keith H. Butler, Marblehead, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application May 7, 1948, Serial No. 25,692
3 Claims. (Cl. 252—301.4)



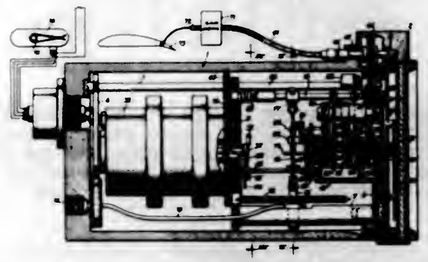
1. A phosphor consisting essentially of a mass of calcium halo-phosphate, activated by manganese and antimony in combination, in which the mol ratio of calcium plus manganese to phosphate is substantially 4.9 to 3.0 and in which secondary calcium phosphate is substantially the only source of calcium phosphate in the raw materials from which the phosphor is formed.

2,579,901
LOG TURNER AND DECK BLOCK FOR SAWMILLS
James D. Calhoun, West Monroe, La.
Application November 1, 1946, Serial No. 707,235
2 Claims. (Cl. 143—95)



1. An apparatus for use with a reciprocating log carriage comprising a saw mill log deck having spaced skid ways terminating in breasts adapted to be positioned adjacent the carriage, arms pivoted on the sides of said ways each carrying a pair of rollers mounted for rotation about horizontal axes substantially parallel to the breast of the deck, one roller of each pair being located with its forward edge adjacent the skid way breast, the other arranged above and in rear of the first roller with its forward edge overlapping a portion of said first roller, said first roller being vertically movable to elevate a log and impel it from the deck onto the carriage, a manually operated lever located at one side of one of the skid ways and toggle connections between it and said pivoted arms comprising an oscillatory shaft extending transversely beneath the skid ways.

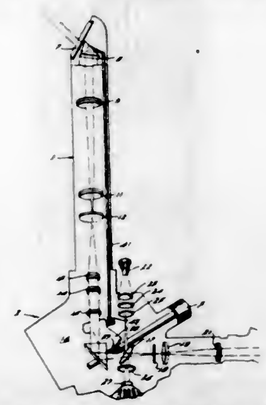
2,579,902
INSTRUMENT FOR CORRELATING AIR SPEED, ANGLE OF ATTACK, AND AIRCRAFT LOADING
Victor E. Carbonara, Manhasset, and John H. Andresen, Jr., Port Washington, N. Y., assignors, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y., a corporation of New York
Application August 4, 1945, Serial No. 608,972
16 Claims. (Cl. 73—178)



13. In an aircraft instrument, means providing indicia of indicated airspeed, means providing indicia of angle of attack, said indicia providing means being supported for relative movement, a pointer, means responsive to the airspeed and angle of attack of the aircraft for producing relative movement between said pointer and said two indicia providing means to indicate by their relative positions the values of airspeed and angle of attack at which the aircraft is operating, and means including a variable ratio transmission means and a differential gearing means for maintaining said indicia providing means stationary relative to each other under conditions of constant aircraft loading regardless of change in airspeed and angle of attack.

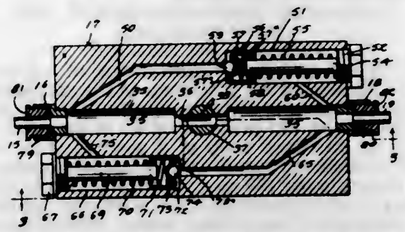
2,579,903
PERISCOPIC SEXTANT
Victor E. Carbonara, Manhasset, N. Y., assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y., a corporation of New York
Application June 16, 1948, Serial No. 33,345
2 Claims. (Cl. 88—2.7)

1. In a periscopic sextant, a main body portion carrying an eye piece for viewing the image of an observed object, an elongated periscopic portion projecting from said main body portion, an index prism at the end of said periscopic portion, an optical system in said periscopic and main body portions for producing an image of an object observed through said index prism, a horizontal reference with respect to which the image of said object is observed, means for indicating the angular position of said index prism, and manually operated means interconnecting said index prism and said angle indicating means for effecting rotation of said index prism and for indicating its angular position and the angular height of said observed object, said manually operated means including a manually rotatable first arm pivoted in said main body portion, a second arm pivotally mounted near the outermost end of said periscopic portion, said index prism connected to said second arm, a spring means biasing said index prism in one direction, both of said arms having spherical surfaces on oppositely directed sides thereof mounted so as to be directed toward each other, adjustment means provided on the pivotal mounting of said first arm so that



the effective lengths of said arms can be brought into substantial conformance, a reciprocable rod interconnecting said arms, said rod having right angle flat end surfaces engaging said spherical surfaces on said arms so as to engage said spherical surfaces tangentially at all times, whereby rotation of said first arm not only effects rotation of said second arm and index prism through reciprocation of said rod but also positions said angle indicating means.

2,579,904
PRESSURE REGULATING VALVE FOR HYDRAULIC BRAKE SYSTEMS
Frank G. Castner, Bridgeport, Ohio, assignor to The Tirips Corporation, Steubenville, Ohio
Application April 27, 1950, Serial No. 158,490
1 Claim. (Cl. 188—152)



In combination with a hydraulic brake system, including a master cylinder, a pedal for operating said cylinder, and passageways extending from said cylinder to each wheel, a valve device for the selective maintenance of a predetermined pressure in said passageways whereby said system may be used to maintain brake pressure when the vehicle is parked, said device comprising a housing, a centrally positioned main fluid passage therethrough, said passage including an enlarged portion having an inlet and a second opposite enlarged portion having an outlet and a reduced diameter portion connecting said enlarged portion, a frusto-conical bore open at one end intersecting said reduced diameter portion, a frusto-conical valve having a passage of a diameter corresponding to that of said reduced diameter portion therethrough rotatably seated in said bore, a valve stem on said valve, said housing having an internally threaded recess surrounding the open end of said bore, an externally threaded closure cap having a top provided with a centrally positioned opening therein engaging in said recess, a valve operating stem extending from said valve through said opening, an external operating handle in said stem, a compression spring seated between said top of said cap and the top of said valve biasing said valve inwardly in said bore, a by-pass channel extending from said first enlarged portion adjacent said inlet toward said second enlarged portion, a tubular bore communicating at one end with the end of said channel and having its other end open, a closure for said open end, a spring guiding stem secured to said closure extending into said tubular bore, a cup-shaped member having a centrally positioned concavity in its face adjacent said one end of said tubular bore, said cup having apertures therein about the periphery of said concavity, a ball valve of a greater diameter than said by-pass channel seated in said concavity, a first ball valve biasing spring positioned between said cup and said closure normally biasing said ball valve to channel closing position, an additional by-pass channel communicating an intermediate portion of the wall of said tubular bore with said second enlarged portion of said main fluid passage adjacent said outlet, a second by-pass channel extending from said second enlarged portion adjacent said outlet toward said first enlarged portion, a second tubular bore oppositely disposed relative to said first tubular bore communicating at one end with the end of said second inlet by-pass channel and having its other end open, a second closure for said last-mentioned open end, a spring guiding stem secured to said second closure extending into said second bore, a second cup-shaped member having a centrally positioned concavity in its face adjacent said one end of said second tubular bore, said second cup having apertures therein about the periphery of said concavity, a ball valve of greater diameter than said second by-pass channel seated in said second concavity, a second ball valve biasing spring positioned between said second cup and said second closure normally biasing said second ball valve to channel closing position, and a second additional by-pass channel connecting an intermediate portion of said second tubular bore with said first enlarged portion of said main fluid passage adjacent said inlet, said second ball valve biasing spring being substantially stronger than said first ball valve biasing spring.

2,579,905
WINDOW BLIND
William L. Coby, Tulsa, Okla.
Application November 22, 1946, Serial No. 711,557
1 Claim. (Cl. 20—62)

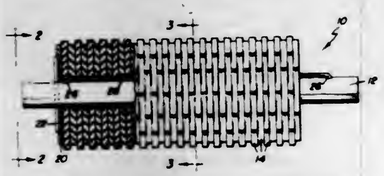
In a window blind, a frame, a plurality of horizontally disposed rods arranged at spaced intervals along said frame and rotatably supported thereon, a blind extending longitudinally of each of said rods and secured thereto for movement to an upstanding position in response to the rotary movement of said rods, each of said blinds including an intermediate portion arranged at an angle with respect to its edges, and edge adjacent portions projecting in opposite directions from said intermediate portion and arranged in spaced parallel relation with respect to each

other, and means operatively connected to said blinds for rotating the latter about said rods to said upstanding position wherein the edge adjacent portions of adjacent blinds interfit to shut off the flow of air and light through said blinds, said means comprising brackets projecting from said frame and secured thereto, a vertically disposed adjusting rod arranged in superposed spaced relation with respect to said frame and mounted in said brackets for vertical movement relative to said frame, a plurality of U-shaped



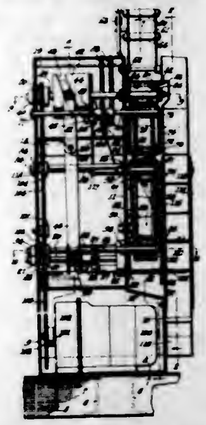
members having their bights pivotally carried by said adjusting rod and having their legs operatively connected to the adjacent one of said blinds for rotating the latter in response to the vertical movement of said adjusting rod, hand actuated means on said adjusting rod adjacent the lowermost of said brackets for causing vertical movement of said adjusting rod, and means on said adjusting rod for contacting the uppermost of said brackets for limiting upward vertical movement of said adjusting rod.

2,579,906
HUSKING ROLLER
Ralph H. Cook, Columbus, Nebr.
Application May 29, 1950, Serial No. 164,916
2 Claims. (Cl. 130—5)



1. A husking roller comprising an elongated cylindrical shaft, a laminated cylindrical roller body, said body comprising a plurality of flexible resilient disks each having a central aperture snugly receiving said disks, means engageable with said shaft holding said disks under compression, slots in said disks in communication with the central aperture, and flexible keying means carried by said shaft engaging said disks in said slots, said keying means being terminally non-rotatably secured to said shaft and centrally spaced therefrom, the central portion of said keying means permitting limited rotary movement of said disks relative to said shaft.

2,579,907
PAPER CONTAINER LINING MACHINE
Robert S. Condon, Rutland, Vt., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 25, 1949, Serial No. 89,550
20 Claims. (Cl. 93—36.01)



1. In a machine of the character described, means for directing a strip of liner material from a supply roll, means for corrugating the strip of liner material, means for cutting said strip of corrugated liner material into proper liner lengths, means for serially presenting containers at a liner inserting station, means for shaping each corrugated liner length into a single walled cylindrical liner opposite a container at said station, and means for inserting each shaped liner into a container presented at said station.

2,579,908
AQUEOUS EMULSION POLYMERIZATION WITH LOW INITIAL SOAP CONCENTRATION
John A. Davison, Passaic, and Walter R. Dunn, West Englewood, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 12, 1946, Serial No. 661,894
9 Claims. (Cl. 260—83.7)

9. In the aqueous polymerization of a butadiene-1,3 hydrocarbon with soap as the emulsifying agent, the steps of initially carrying out the polymerization in the presence of 0.5 to less than 1.5 parts of an alkali soap of a soap forming carboxylic acid having 10 to 20 carbon atoms in the molecule per 100 parts of polymerizable monomers until a conversion to polymeric material of about 50% has taken place, thereafter increasing the soap content to an amount sufficient to maintain the stability of the emulsion, and continuing the polymerization to about 70 to 100% conversion.

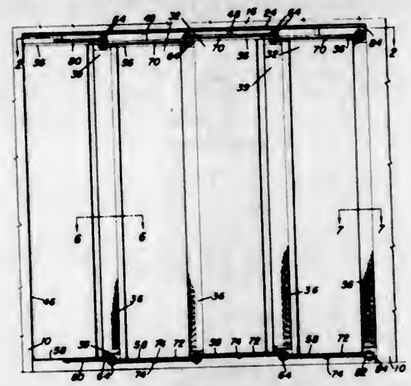
2,579,909
COMPRESSIBLE BULB OPERATED LIQUID DISPENSER
Harry A. Dieffenbach, Glen Olden, Pa.
Application January 27, 1948, Serial No. 4,623
1 Claim. (Cl. 222—207)

Liquid dispenser comprising a container, a discharge tube passing through said container having both ends opening exteriorly thereof, and having an intermediate portion within said container adjacent the bottom thereof, a shape resuming compressible bulb connected to one end of said tube, said bulb being otherwise imperforate, the other end of said tube being a discharge nozzle, a check valve within said tube opening toward said discharge nozzle, the intermediate portion of said tube having an open-



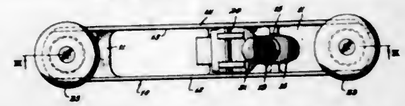
ing below liquid level between said check valve and bulb, an inwardly opening check valve controlling said opening, a hinged operating plate sustained in normal inactive position by said bulb, and an adjustable stop spaced from that side of said plate which is in contact with said bulb, in the path of movement thereof, to be contacted by said plate for determining the amount of liquid displaced by said bulb when said plate is pressed against said bulb.

2,579,910
ACCORDION FOLDING DOOR
Guy E. Dixon, Jr., Miami Shores, Fla.
Application July 12, 1950, Serial No. 173,323
1 Claim. (Cl. 160—206)



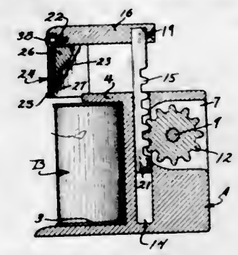
A folding door comprising a plurality of inflexible vertical panels having vertical slots in and substantially coextensive with vertical edge portions of said panels, said slots having their inner ends enlarged, strips of flexible material substantially coextensive with said slots and having their vertical edge portions enlarged and adhesively secured in the enlarged inner ends of said slots, said strips connecting the panels in series, a horizontal track above said panels, rollers supported on said track and having axle members connected to and supporting said panels, a lazy-tong system between said track and the upper ends of said panels, another similar system at the bottom of the door, each system including similar elongated plates secured to the ends of the panels, bars equal in length to said plates and pivoted at their center points to the center points of said plates, said plates and bars having pivotally connected terminals offset from the longitudinal axes of the plates and bars so that said panels can collapse into parallel relation when the door is fully opened, an attaching plate for each of said systems, said plates having slots, one of said plates and one of said bars in each of said systems having terminal elements pivotally and slidably mounted in said slots.

2,579,911
MORTISING PLANE
Wilbert August Dohmeyer, Crete, Ill., assignor of one-fifth to Eugene H. Simpson, Milwaukee, Wis.
Application June 17, 1948, Serial No. 33,635
4 Claims. (Cl. 145—5)



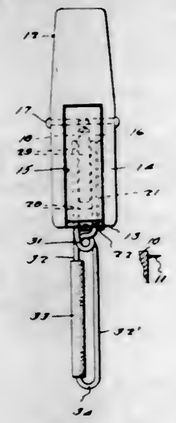
1. A butt mortise plane of the character described comprising, a plane bed having a substantially rectangular opening elongated in the direction of the length of the plane intermediate the ends of said bed, a blade support carried by said bed and extending thereabove, a blade of less width than said opening carried on said blade support and adapted to project through said opening, a pair of side plates formed on the opposite longitudinal sides of said plane bed, said side plates tapering upwardly from the forward end of the plane, a pin supported between said side plates, a blade clamp carried by said pin adapted to secure the blade in position on the support whereby the elongated opening and the tapered side permit ready visibility of the cut to be made.

2,579,912
CONTAINER OPENER
Joseph B. Donnelly, Burlingame, Calif., assignor to Schenley Industries, Inc., a corporation of Delaware
Application November 12, 1947, Serial No. 785,481
5 Claims. (Cl. 30—5.5)



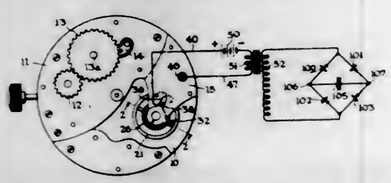
1. An opener for containers comprising a cutting blade, said blade arcuate in cross-section and substantially triangular in elevation, an arcuate shield member spaced outwardly from said blade and inclined away therefrom from top toward bottom, the arcuate curvatures of said blade and said shield arranged substantially concentrically with respect to one another, said shield having an arcuate length slightly greater than the arcuate length of said blade, and means to reciprocate in a vertical straight line path said blade and shield in unison.

2,579,913
CURTAIN STRETCHING TONGS
Ivar A. Eng, Youngstown, Ohio
Application September 19, 1947, Serial No. 775,073
2 Claims. (Cl. 294—104)



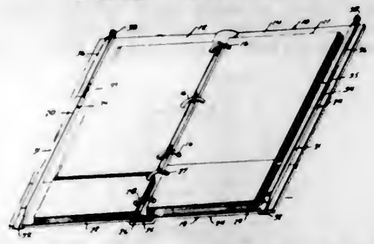
1. Tongs to apply a curtain to the nails of a stretcher, comprising pivotally joined tong members having jaws at one end shaped to engage a curtain between them for application thereof to the tips of the nails, one at least of the jaws being straight from end to end so as to be in contact throughout its length with a flat surface of a stretcher when the curtain is so applied, said one jaw being of circular cross section for rolling engagement with said surface; and a straight depressor bar parallel to said one jaw and rigid with the other jaw, said bar being shifted bodily in an arcuate path about said one jaw responsive to rollable movement of said one jaw on the stretcher, to engage the curtain near the location at which the curtain is impaled on a nail tip and force the curtain to the base of the nail.

2,579,914
CHRONOMETRIC CIRCUIT CONTROLLER
George G. Ensign, Robert C. Hoppe, and Glenn T. Soper, Elgin, Ill., assignors to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application December 9, 1949, Serial No. 132,042
10 Claims. (Cl. 58—33)



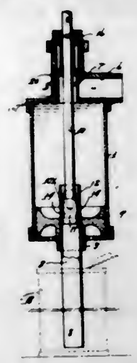
1. A chronometric circuit controller including a chronometric movement having a frame and thereon a balance assembly of staff, wheel, and hairspring and a pallet, the combination therewith of a regulator lever electrically insulated from the frame and carrying a conductive regulator pin for engagement by the hairspring during balance oscillation, and conductors electrically connected to the hairspring and to said regulator lever.

2,579,915
BINDER DETACHABLE HAND REST
Glenn M. Flatin and Alvin H. Borvig, Rothsay, Minn.
Application June 24, 1949, Serial No. 101,188
1 Claim. (Cl. 281—16)



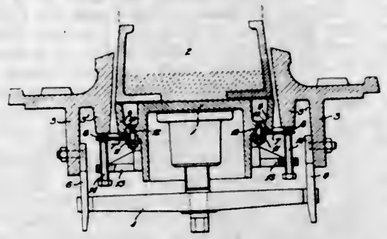
A binder hand rest comprising a pair of substantially rigid rest members hingedly connected together for abutting disposition with one end of the hingedly connected covers of a book binder, and in planar alignment therewith, a pair of telescoping clamping members releasably engaging the opposing end of the respective covers and the rest members, connecting tabs fixed on each of said rest members for overlying the adjacent edge of the respective covers, and rest leaves hinged between said rest members for selective disposition in alignment with the leaves of the binder.

2,579,916
APPARATUS FOR FLUID FILLING OF CONTAINERS
William M. Fleming, Nutley, N. J., assignor to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware
Application November 5, 1949, Serial No. 125,806
3 Claims. (Cl. 103—38)



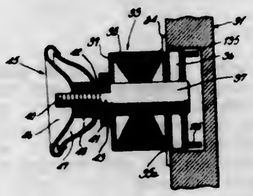
1. In an apparatus for fluid filling of containers, a casing, a piston within the casing, a discharge tube to which the piston is connected, at least one inlet port for said discharge tube located above the piston, a valve head for controlling the said inlet port and disposed within the discharge tube, a rod connected to said valve head, means intermediate to the rod head and the discharge tube for permitting a predetermined idle movement of rod relative to the tube, in either of two directions, the rod being adapted to reciprocate the discharge tube, an inlet duct at the top of the casing, a valve closer for such inlet duct, and means, including the discharge tube, for actuating the said valve closer.

2,579,917
SEALING DEVICE FOR THE DOORS OF COKE OVENS
Jean Charles Fourmanoit, Brussels, Belgium
Application August 14, 1948, Serial No. 44,286
In Belgium August 27, 1947
7 Claims. (Cl. 202—248)



1. In combination with a coke oven door, a stationary metal door frame provided with an outer plane sealing surface surrounding the opening in said frame, a removable, transversely rigid, sealing frame, said removable frame being provided, on its side facing said sealing surface of said stationary door frame, with a jointing metallic seal having a half-rounded shape, means carried by the door and acting on the other side of said removable frame near the outer periphery thereof for applying said jointing metallic seal against said sealing surface of said stationary frame, a gasket of heat-resisting material between said rigid sealing frame and a surface of said door disposed parallel to the adjacent surface of the sealing frame, said gasket having a curved surface in contact with said adjacent surface of the sealing frame substantially along the inner peripheral edge of the latter, and clamping means acting on the opposite surface of said removable rigid sealing frame adjacent the inner periphery of the latter to apply said sealing frame and gasket against the door so as to form an articulated joint.

2,579,918
CUSHIONING ASSEMBLY UNIT FOR BACK RESTS
Roland J. Freeman, Baldwin, N. Y.
Application January 25, 1947, Serial No. 724,423
17 Claims. (Cl. 155—158)



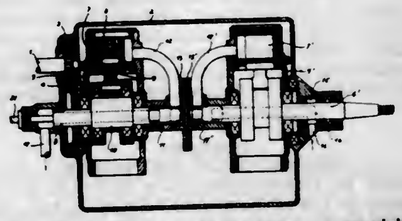
1. A cushioning assembly unit comprising a bracket adapted for attachment to the back-rest of a posture chair, a stud, one end of said stud being adapted to be detachably inserted in the slotted back post of a posture chair for vertical sliding movement in said slot, said bracket being rockably mounted upon the opposite end of said stud, an elastic bushing mounted between said stud ends, and said bracket in rocking being operable in conjunction with said back-post to compress said bushing to cushion movement of a back-rest when attached thereto.

2,579,919
CAN BODY FLANGING MECHANISM
Albert Funke, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 61,415
7 Claims. (Cl. 153—21)



7. A machine for flanging can bodies comprising a body supporting horn, internal flanging dies located in said horn, means for expanding and contracting said dies, external flanging dies surrounding said horn and means for contracting and expanding said external dies, means for intermittently feeding two can bodies with their adjacent ends abutting along said horn to said flanging dies, a yielding positioning finger over which the can bodies are fed to the flanging dies, independent devices mounted on said horn and adapted to frictionally engage the interior of said can bodies respectively, springs associated with each of said frictional devices for retracting the same and moving the trailing edge of the can bodies into engagement with the positioning finger for positioning the abutted edges of the can body midway of the flange forming dies, means for causing said flange forming dies to simultaneously engage the abutting edge portion of the two abutted can bodies for forming flanges thereon, and stop devices for engaging the advanced edge of the can bodies for holding can bodies in engagement with the positioning finger directing the flange forming operation.

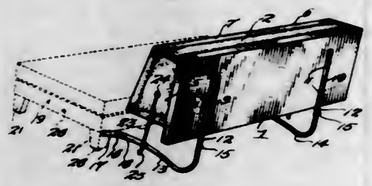
2,579,920
HYDRAULIC CHANGE-SPEED GEAR
Louis Genéty, Lyon, France
Application November 19, 1946, Serial No. 710,885
In France December 10, 1945
2 Claims. (Cl. 60—53)



1. A hydraulic change-speed gear comprising a hollow driving shaft adapted to receive power to be transmitted; a set of hydraulic pump cylinders at one end of said driving shaft; a set of hydraulic motor cylinders at the other end of said driving shaft; a rotatable driven crankshaft to cooperate with said pump cylinders, said crankshaft being in line with said driving shaft and having one of its ends engaged thereinto; pistons in said pump cylinders; means to connect said pistons with said crankshaft; distributing means for said pump cylinders including a suction port and an outlet port at the inner end of said crankshaft, an outlet canal in said crankshaft communicating with said outlet port and opening in the end

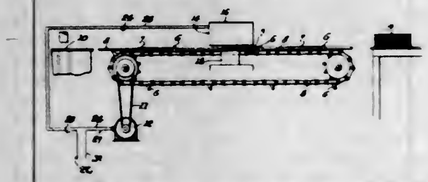
of said crankshaft engaged into said hollow driving shaft, and a suction canal in said crankshaft communicating with said suction port and extending towards the opposite end of said crankshaft, means exterior to said crankshaft to connect said suction canal with a fixed suction line exterior to said crankshaft; a fixed crankshaft to cooperate with said motor cylinders, said fixed crankshaft being in line with said hollow driving shaft and having one of its ends engaged thereinto; pistons in said motor cylinders; means to operate said last-named pistons by said fixed crankshaft; distributing means for said motor cylinders including an inlet port and an outlet port at the inner end of said fixed crankshaft, an inlet canal in said fixed crankshaft communicating with said last-named inlet port and opening in the end of said fixed crankshaft engaged into said hollow driving shaft, and an outlet canal in said fixed crankshaft communicating with said last-named outlet port and extending towards the opposite end of said fixed crankshaft; means to connect said last-named outlet canal with a discharge line exterior to said fixed crankshaft; and means exterior to said driving shaft to vary the eccentricity of said fixed crankshaft.

2,579,921
COMBINED SOFA AND HOLLYWOOD BED
Thomas R. Gibbs, Washington, D. C.
Application October 9, 1946, Serial No. 702,213
3 Claims. (Cl. 5—18)



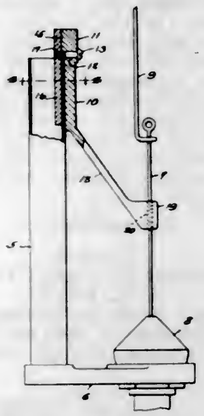
1. A combined sofa and Hollywood bed including a back, supporting legs secured in spaced relation to the rear portion of said back, each having an arcuate floor contacting portion extending forwardly beneath the back, adjustable extensions for said legs allowing a tilting adjustment of the back, a Hollywood bed movably mounted under said back, and means detachably securing said back to said bed to form a sofa, whereby said securing means may be detached and said bed may be pulled away from said back when the same is to be used for sleeping purposes.

2,579,922
DOUBLE SHEET DETECTOR
Norman H. Goldsworthy, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 21, 1945, Serial No. 636,443
6 Claims. (Cl. 192—127)



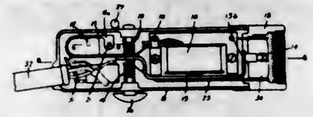
1. In apparatus of the character described, in combination; means for feeding metal sheets of predetermined normal thickness; magnet means disposed close to one face of the sheets being fed; and a circuit controlling switch means disposed at the opposite face of said sheets and including spaced contact members, a contact maker adapted to connect the contact members to complete a control circuit thereacross, means biasing said contact maker so that it is constantly tending to move away from its contact connecting position, said contact maker including an armature member disposed to be attracted by the magnet means, said magnet means and said biasing means being so cooperatively valued as to magnetic attraction and biasing effect respectively as to be effective to hold the contact maker in the contact connecting position only when no sheets are being fed or when individual sheets of said predetermined normal thickness are being fed between the magnet means and said armature member, whereby passage of superposed sheets of said predetermined normal thickness between said magnet means and said armature member will reduce the effective magnetic attraction normally active to hold the contact maker in the contact connecting position and permit the contact maker to move away from its contact making position and break the control circuit.

2,579,923
ADJUSTABLE GUIDE ARM
Samuel E. Hopper, Crafton, Pa.
Application September 20, 1949, Serial No. 116,806
1 Claim. (Cl. 4—57)



A flush valve guide member comprising an elongated body having a concave longitudinally extending overflow pipe-engaging seat on one side thereof, a downwardly and outwardly extending arm carried by the body adjacent the lower end and on the side thereof remote from the pipe seat, a flush valve guide carried by the arm remote from the body, a lug carried by the body adjacent the end thereof remote from the arm, said lug projecting laterally from the side of the body having the seat and forming a fulcrum above the seat, a gripping member bearing on the lug, a convex longitudinally extending overflow pipe-engaging surface on the gripping member and a clamp screw extending through the body between the lug and the arm and threaded into the gripping member for rocking said gripping member on said lug and drawing it against an overflow pipe engaged by the seat.

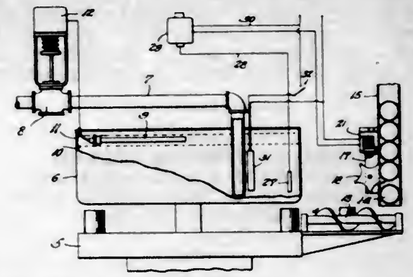
2,579,924
ELECTRICALLY DRIVEN HAIR CLIPPER AND THE LIKE
Sidney Adolph Horstmann, Bath, England
Application July 9, 1946, Serial No. 682,194
In Great Britain August 2, 1945
3 Claims. (Cl. 30—221)



1. An electrically-driven hair clipper, which comprises, in combination: a casing; a lower fixed comb-like cutter secured to said casing at its forward end, said cutter having teeth which increase in thickness rearwardly, toward the rear end of said casing; an upper comb-like cutter having teeth, said upper cutter cooperating with said lower cutter and mounted in juxtaposition thereto, said upper cutter being adapted to be oscillated transversely with respect to said lower cutter and being provided with two apertures, transversely spaced with respect to each other, at opposite ends of said upper cutter; an electromagnet mounted in said casing in the forward portion thereof adjacent said comb-like cutters; an armature for said electromagnet, the rearward portion of said armature being secured to the rear of said casing; connecting means at the forward end of said armature, beyond said electromagnet, operatively connecting said armature to said upper cutter, whereby movement of said armature toward and away from said electromagnet moves said upper cutter transversely with respect to said lower cutter to cut hair held within said teeth; a crank pivoted to said casing and adjustably mounted with respect thereto in the rearward portion of said casing, said crank being adapted to be rotated with respect to said pivotal mounting by the application of pressure to one end thereof extending outside of said casing; a pivot pin mounted on one arm of said crank within said casing; and an adjusting bridle piece for adjusting the longitudinal position of said upper cutter with respect to said lower cutter whereby the length of hair cut by said clipper may be regulated, said bridle piece being generally U-shaped in form and having the closed end of the U extending rearwardly of said electromagnet in said casing for a considerable distance beyond said electromagnet, said rearwardly extending portion being pivoted to said crank by extending around said pivot pin, the forward end of said U-shaped bridle piece being bent downwardly at the terminal portions thereof so as to provide two depending bent-over ends, said depending bent-over ends being positioned in said apertures in said upper cutter, whereby rotation of said crank moves said bridle piece forwardly or rearwardly within said casing and moves said upper cutter longitudinally with respect to said lower cutter to regulate the length of hair cut by said clipper.

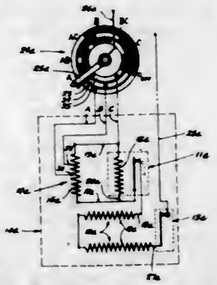
2,579,925
TEMPERATURE CONTROL FOR FEEDING CANS
George F. Jackson, Baltimore, Md., assignor to Continental Can Co., Inc., New York, N. Y., a corporation of New York
Application March 22, 1946, Serial No. 656,309
4 Claims. (Cl. 226—70)

1. In combination, a filler bowl for liquids, a feeder for placing cans beneath the bowl, a chute for delivering cans to the feeder, a stop for cans in the chute, a temperature responsive element



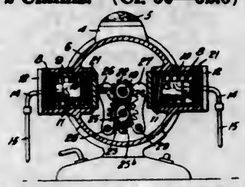
in the filler bowl and a latch for the stop actuated by said element on an abnormal drop in the temperature within the filler bowl.

2,579,926
HEATING PAD CONTROL SYSTEM
Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application April 26, 1944, Serial No. 532,696
18 Claims. (Cl. 219—20)



3. In a heating device, a heating element; a thermostatic switch controlling the circuit for the heating element; a heater for the switch; means connecting said heater permanently across a portion of the heating element; current-supply means; and means for connecting said current-supply means selectively to any of a plurality of points of said portion of the heating element to vary the value of the current flowing through said thermostat heater and thus the temperature of the heating device to be maintained by the thermostat.

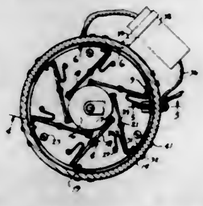
2,579,927
OPPOSED CYLINDER AIR COMPRESSOR
Olga Joho, Basel, Switzerland
Application May 17, 1948, Serial No. 27,445
In Switzerland May 17, 1947
2 Claims. (Cl. 60—62.6)



1. In an air compressor, a cylindrical cover, diametrically positioned cylinders extending from said cover, closure plates over the outer ends of

said cylinders, cylindrical inserts formed on said cover plates, and extending within the cylinders, conduit means terminating at one end in said inserts, pistons within said cylinders having their skirts surrounding the inserts, and cam and follower movements in driving engagement with said pistons for simultaneously forcing same outwardly.

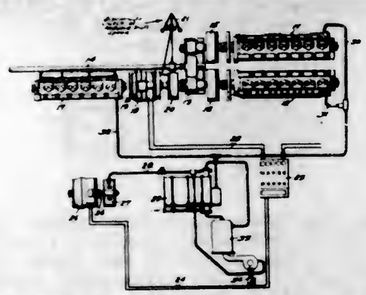
2,579,928
PRIMARY IGNITION SYSTEM
Ernest Jacob Kangas, Duluth, Minn.
Application June 28, 1948, Serial No. 35,702
1 Claim. (Cl. 200—21)



A distributor comprising a casing assembly having a lower casing part, an upper casing part and a ball bearing connection between the upper and lower parts to permit the adjustment of one part relative to the other, a cam disposed within the assembly and connected with a shaft extending into the assembly for the purpose of driving said cam, a plate surrounding the cam and insulatingly connected to the upper casing part, a plurality of circumferentially spaced point levers pivotally connected upon the plate and adapted to bear against the cam, said cam being formed to operate the levers in succession, contact terminals having a slot and an opening therein which are spaced from each other mounted on the upper casing part adjacent each of the point levers, a contact on each of the point levers and the contact on each point lever engageable with a corresponding contact on the upper casing part upon each lever being pivoted, a terminal extending from the plate and the casing assembly, a terminal cap mounted on the assembly, a bridging member engageable with terminals on the terminal cap and mounted on the cam for rotation within the cap, a screw mounted for rotation in the upper casing part, an eccentric head on the screw within the upper casing part and said eccentric head being receivable in the opening in the contact terminal in the upper casing part and the screw being accessible from the exterior of the casing assembly for effecting the lateral adjustments of each of said last mentioned terminals relative to the upper casing part and relative to the contacts on each point lever.

2,579,929
MOTOR PLANT FOR CARGO BOATS AND LIKE SEA BOATS
Bernard Kervarrec, Paris, France
Application July 25, 1945, Serial No. 607,044
In France September 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 17, 1962
3 Claims. (Cl. 290—4)

1. In a power system for ships and the like vehicles, the combination of a propelling shaft, a prime mover, a speed reducing gear controlled by the latter, a clutch operatively connecting the prime mover with the speed reducing gear, a second prime mover, a starting generating dynamo, a clutch operatively connecting said dynamo with said second prime mover and means directly and operatively connecting the dynamo with the



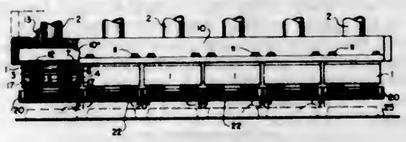
speed reducing gear and including a clutch and means for disconnecting said clutch as soon as the speed of the shaft drops underneath a predetermined value.

2,579,930
TOOL WITH CUSHIONED HAND GRIP
Carl B. King, Bluefield, W. Va.
Application April 11, 1949, Serial No. 86,655
4 Claims. (Cl. 7—1)



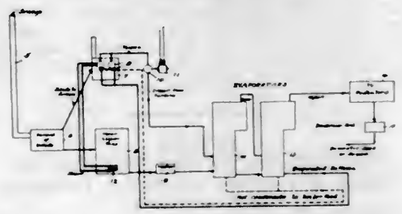
1. In a combination support and tool, a bight portion and two spaced-apart, substantially parallel, narrow, rigid portions extending therefrom, one of said parallel portions having a tool at its free end and one of said parallel portions having a face spaced from said bight portion and a pair of elongated, parallel resilient members extending longitudinally of said portion provided with said face, with said members closely adjacent said face.

2,579,931
DEFROSTING APPARATUS FOR FREEZING MOLDS
Morris Klein, Bloomfield, N. J., assignor to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware
Application September 21, 1949, Serial No. 116,887
2 Claims. (Cl. 62—114)



1. An apparatus for removing frozen material from molds containing a plurality of mold cavities, said apparatus comprising a plurality of hollow casings arranged in parallelism, and having lower base walls lying in a common plane, manifold members for receiving air under pressure, a plurality of pressure tubes extending vertically through the casings and in communication with said manifolds, a plurality of burner-outlets in the base walls of the casing, means for admitting fuel gas into the hollow casing, and having guide means extending within and vertically through each casing, each of said pressure tubes being vertically slidable within a respective guide means, spring means engaging each pressure tube for imparting downward movement thereto, and coacting abutment means fixed to each casing and mounted on each pressure tube for limiting said downward movement.

2,579,932
SEWAGE DISTILLATION PROCESS
Sergius T. Kobernick, Salt Lake City, Utah
Application February 11, 1948, Serial No. 7,690
1 Claim. (Cl. 237—12.1)



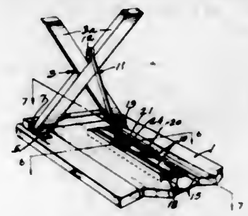
A process for sewage disposal that includes the steps, first, of separating a mass of raw sewage into its solid and liquid components; then burning all the solids as fuel in a boiler to produce steam; applying heat produced by the boiler to pre-heat all the liquid at the same time said steam is being produced; leading the steam through a turbine; taking hot condensate from the turbine and leading it and the pre-heated liquid to an evaporator simultaneously for joint vaporizing of said condensate and liquid; burning with said solids the residues resulting from said evaporation; feeding the hot condensate resulting from said evaporation into the boiler for steam production; and subjecting the commingled steam and vaporized liquid to conditions to cause condensation thereof.

2,579,933
SOLUBLE SALTS OF SULFONAMIDES
Heinrich Koster, Milan, and Giampiero Gennari, Santa Maria Maggiore, Italy, assignors to Carlo Erba S. p. A., Milan, Italy, a firm
No Drawing. Application September 5, 1950, Serial No. 183,296
1 Claim. (Cl. 260—239.65)

1-amino-2,3-propanediol salts of pyrimidine sulfonamides of the group consisting of 2-sulfanilamidopyrimidine, 2-sulfanilamido-4-methylpyrimidine, and 2-sulfanilamido-4,6-dimethylpyrimidine, characterized by forming injectible aqueous solutions having a pH of about 8.5 to 8.7 sterilizable by heat without change.

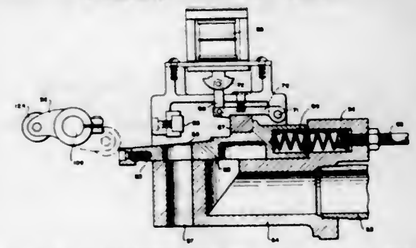
2,579,934
FOLDING TABLE WITH CROSSLEGS AND BRACES
Norman Krasney, Los Angeles, Calif.
Application September 8, 1945, Serial No. 615,235
3 Claims. (Cl. 311—83)

1. A folding table structure comprising: a table, supports hinged to the bottom surface of the table so as to fold inwardly thereagainst when the table is collapsed, a pair of parallel guides of hollow cross section secured to the bottom surface of the table and having slots formed in the bottom walls thereof, crossheads slidable in the channels of said guides, elements borne by said crossheads and having portions extended through said slots for locking said crossheads on said



guides when said elements are appropriately actuated, and braces hinged to said supports and to said crossheads for holding said supports in erect positions to support said table.

2,579,935
VACUUMIZING AND SEALING APPARATUS
Alfred L. Kronquest and Matthew M. Sedwick, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Original application September 19, 1942, Serial No. 458,990, now Patent No. 2,450,243, dated September 28, 1948. Divided and this application October 4, 1946, Serial No. 701,184
5 Claims. (Cl. 226—82.4)

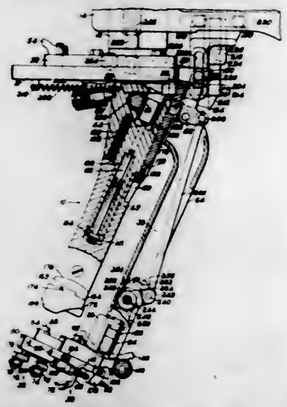


1. In a container sealing machine, a sealing chamber having an access opening; a door for closing said opening; means for drawing a vacuum; a valve for controlling communication between said chamber selectively with the atmosphere and said vacuum drawing means; a spring for urging said valve to an open position in which it affords vacuumizing communication of said vacuum drawing means with said chamber; a latch for holding said valve against the urge of said spring in a closed position in which the valve cuts off communication between said vacuum drawing means and said chamber and vents the latter to the atmosphere; a solenoid for releasing said latch; and a switch responsive to closing of said door for effecting operation of said solenoid with consequent releasing of said latch and spring-urged movement of said valve to open vacuumizing position.

2,579,936
HEELING MACHINES
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 8, 1950, Serial No. 166,869
16 Claims. (Cl. 1—32)

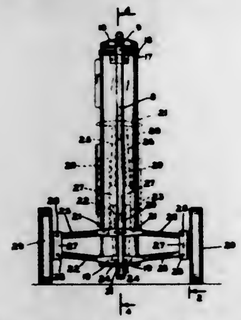
1. A heeling machine having a nailing die, a jack movable toward said die to cause the heel

seat of a lasted shoe on said jack to be pressed against a heel section supported by said die, shoe supporting means on said jack constructed and arranged to position the shoe with its heel seat at a predetermined level with respect to said jack, a holddown mounted for movement into



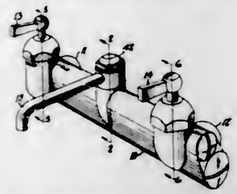
and out of engagement with the cone of the last, locking means for securing said holddown in engagement with the last cone, and means constructed and arranged to set and release said locking means in response to the movements of said jack toward and away from said die respectively.

2,579,937
FOLDABLE GOLF BAG CARRIER
Karl M. Larsen, Minneapolis, Minn.
Application April 4, 1949, Serial No. 85,320
2 Claims. (Cl. 280—42)



1. A collapsible golf bag carrier comprising an elongated upstanding member with a forwardly extending handle mounted on the upper portion thereof, two pairs of toggle arms lying in substantially the same plane disposed substantially through said upstanding member, a link element pivotally interconnecting the outer ends of each pair of said arms, a pair of wheels respectively journalled in outstanding relation on said links, a pair of fixed pivots connected to the lower portion of said upstanding members and disposed at right angles to the plane of said toggle mechanism and connecting the inner ends of the lower arms with said upstanding member, a longitudinally shiftable element mounted on said upstanding member and having the inner ends of the upper arms pivotally connected thereto for shifting movement therewith, said wheels lying in spaced substantially parallel planes disposed at right angles to the plane of operation of said toggle mechanism at least when in extreme projected and retracted positions, a pair of outstanding stabilizing cradle elements fixed to the lower portion of said upstanding member adjacent said fixed pivot pins and extending laterally outwardly therefrom to receive the lower toggle arms when in outwardly projected position and positively prevent rotational shifting movement thereof during operation of the carrier unit, a second pair of outstanding stabilizing cradle elements fixed to said longitudinally shiftable element in inverted relation with the ends of the upper toggle arms pivotally connected to the respective inner portions of said inverted cradles, means for rigidly interconnecting said two pairs of cradle elements when said wheels are in extreme outwardly projected position to securely lock said arms in operative position, and means for attaching a golf bag in substantially parallel relation to said upstanding member.

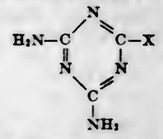
2,579,938
TEMPERATURE CONTROL VALVE
Dorsey M. Liebhart and Paul S. Dunaway, Portland, Oreg.
Application April 26, 1947, Serial No. 744,132
9 Claims. (Cl. 277—50)



4. A plumbing fixture comprising an elongated body having a hot water inlet at one end, and a cold water inlet at the opposite end thereof, a volume control valve at one end of said body, passages from said inlets to said valve, a mixing valve controlling the relative flows through said inlets, and a manual operator for said mixing valve at the other end of said body.

2,579,939
MOLDING COMPOSITION AND ARTICLES PRODUCED THEREFROM
Richard Lindenfelser, Stamford, Conn., and Clarence L. Michaud, Philadelphia, Pa., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 6, 1950, Serial No. 166,538
15 Claims. (Cl. 260—21)

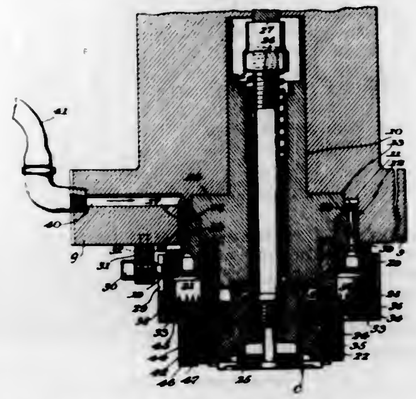
1. A molding composition comprising a thermosetting aminoplast resin selected from the group consisting of (*a*) a melamine-formaldehyde resin having a mol ratio of 1:1.5 to 1:4, respectively, and (*b*) a guanamine-formaldehyde resin having a mol ratio of 1:1 to 1:4, respectively, wherein said guanamine has the general formula:



wherein X is selected from the group consisting of H, an alkyl group containing 1–6 carbon atoms

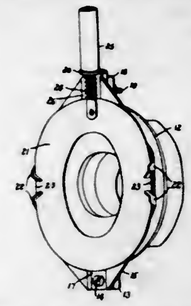
inclusive, a phenyl group and an alkyl phenyl group, from 0.02 to 4.0% by weight of guanidine monostearate.

2,579,940
PNEUMATIC STRIPPER
William J. Lobrovich, Santa Clara, Calif., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 27, 1946, Serial No. 693,172
4 Claims. (Cl. 113—50)



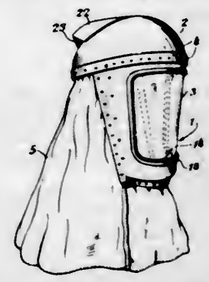
4. In apparatus of the character described, a reciprocable head, a punch movable with the head, a stripper ring slidable endwise with relation to the punch as the punch moves into and out of the work, said ring including a wide piston flange extending outwardly from the stripper ring in a direction perpendicular to the axis thereof, a ring body surrounding the punch and having an outer wall extension surrounding the flange and spaced outwardly from the punch so as to cooperate therewith and with the ring body in forming a chamber closed at one end by the ring body and at the other end by said flange, an inwardly turned flange on said wall extension constituting a stop means engageable by the flange for determining a predetermined definite relation of the punch and the stripper ring, a packer ring on said outwardly extended flange, means for directing air under pressure into said chamber to constantly urge the packer ring equipped flange toward said stop means, said wall extension having circumferentially spaced recesses in its periphery and being threadably mounted on said ring body whereby upon adjustment of the wall extension on the ring body in the direction of movement of the punch the relation of the stop means and the punch will be varied, a support lug fixedly mounted outwardly of the recess equipped periphery of said wall extension, and a screw radially adjustable in said lug and engageable in a selected wall extension recess for securing the extension wall against rotative movement on its threadable mounting thereby to secure the accurately adjusted relation of the stop means and the punch, and an accelerating ejector air nozzle extending along one side of the stripper ring and having a duct extending therethrough for delivering air radially inwardly over the lower end extremity of said stripper ring, said outwardly extending flange and packer ring having a duct therethrough and communicating between the interior of the chamber and the nozzle duct for directing air from said chamber through the nozzle.

2,579,941
CATHODE-RAY TUBE
John Shapland Lockyer, London, England, assignor to Ferguson Radio Corporation Limited, London, England, a company of Great Britain
Application July 6, 1950, Serial No. 172,322
In Great Britain July 6, 1949
4 Claims. (Cl. 313—84)



1. Cathode ray tube apparatus including a cathode ray tube, a magnetic focusing assembly surrounding said tube, a ring of magnetic material disposed substantially co-axially with and close to said focusing assembly, and means supporting said ring from said focusing assembly, said supporting means including a lead screw-and-nut device operable for displacing said ring along a line substantially perpendicular to the axis of said assembly, a pivot having an axis parallel to the axis of said assembly and substantially perpendicular to said line and a common control member rotatable to operate the lead screw-and-nut device and operable as a lever to displace said ring about said pivot.

2,579,942
PROTECTIVE HOOD
Thomas Traill MacLean, London, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
Application November 18, 1948, Serial No. 60,659
In Great Britain November 21, 1947
14 Claims. (Cl. 128—141)



1. A protective hood comprising in combination a crown part, a face-shield part depending from the front of said crown part and having a transparent panel portion dimensioned to extend over substantially the full length of the face of the

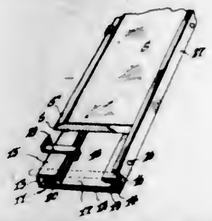
wearer when the hood is in use, a head-enclosing apron secured to the edges of said crown part and of said face-shield part, and air filter means disposed at the base of said face shield part below said panel portion and spaced inwardly from said transparent section, said crown part having an outlet at a rear position thereof, whereby circulation of air is induced upwardly through said air filter means and across the face of the wearer to said outlet.

2,579,943

STRUCTURAL FRAME UNIT FOR MOUNTING DECORATIVE STRIPS

Adolph Marchand, Jackson Heights, N. Y.

Application September 1, 1950, Serial No. 182,681
5 Claims. (Cl. 20—74)



1. A structural frame unit for mounting a decorative strip and comprising a first longitudinal member including a planar section having along one longitudinal edge a first flange section extending parallel to said planar section and spaced therefrom and along the opposite longitudinal edge a second flange section extending parallel to said planar section and in a common plane with said first flange section whereby the rear surface of a decorative strip may be slidably mounted on said flange sections, a second longitudinal member having a planar section and a flange element spaced from and parallel thereto, said second member being slidable against the interior surface of said first named planar section and said flange element being slidable against the interior surface of one of said flange sections whereby the second member is mounted within the first-recited longitudinal member for free sliding movement laterally thereof, abutment means secured to and adjacent one longitudinal edge of said first-recited member and adapted to abut against one edge of a decorative strip, a plurality of clamping elements adapted to grip the opposite edge of said decorative strip and attached to said second member, and yieldable spring means biasing said second member laterally toward said abutment means.

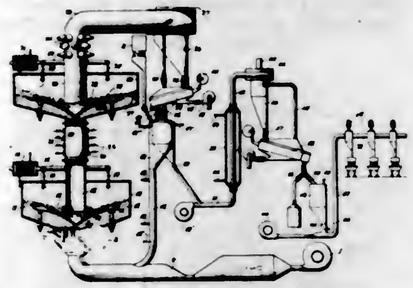
2,579,944

PROCESS AND APPARATUS FOR COATING PARTICULATE MATERIAL

Donald E. Marshall, Summit, N. J., assignor to Colgate-Palmolive-Peet Company, a corporation of Delaware

Application April 9, 1945, Serial No. 587,404
16 Claims. (Cl. 117—100)

1. Process for treating a solution containing solidifiable material which comprises fluidizing by means of a fluidizing gas fine solid particles of said material, transferring said particles to a confined zone, spraying said solution upon said fluidized particles in said zone to coat the same with the solution, passing the coated fluidized particles upwardly out of said zone to and through an electrostatic field to heat the same and drive off vaporous material from the particles, passing the heated and coated fluidized particles to a second confined zone, spraying a second and different heated solution containing solidifiable material upon the fluidized particles in said second zone to coat the same, passing said particles from the second zone upwardly through a radiant heat zone to heat the same



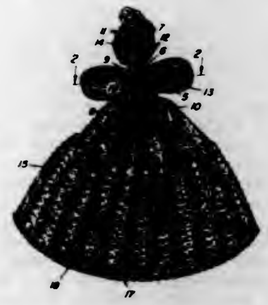
and drive off vaporous material from the particles, separating the particles from gaseous and vaporous material including fluidizing gas, classifying said coated particles, withdrawing a portion of the classified coated particles, and returning coated particles finer than those withdrawn to be fluidized as above described.

2,579,945

YARN DOLL CAP

Lillian F. Maupin, Canadian, Tex.

Application January 21, 1949, Serial No. 71,805
3 Claims. (Cl. 2—201)



1. A yarn doll cap comprising a first vertical hank of yarn, a yarn tie extending about and constricting said first hank of yarn near its upper end to form a neck and create a head above the neck, a plurality of yarn strings extending about and tied in a bow at the front of said first hank of yarn at a point spaced from and below said yarn tie and constricting said first hank of yarn to form a waistline above the lower end of the first hank and create a torso between said yarn tie and said yarn strings, a continuous hollow knitted cap body resembling a hoop skirt and having a central opening constrictively receiving a portion of said first hank of yarn immediately below the yarn strings and secured thereto, and a second hank of yarn constricted by and passing through the first hank of yarn between the yarn tie and the yarn strings and having its ends projecting beyond opposite sides of said first hank of yarn to form arms.

2,579,946

PROCESS FOR FILTERING GLYCERIDE OILS

Herbert Kenneth McClain, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Ivorydale, Ohio, a corporation of Ohio

No Drawing. Application July 17, 1946, Serial No. 684,235
9 Claims. (Cl. 210—42.5)

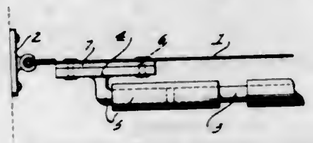
1. In the process of filtering a glyceride oil with the assistance of a filter-aid and of recovering retained oil from the spent filter-aid, the steps comprising depositing on a filtering medium a coating of a filter-aid consisting of a finely divided water-soluble, oil-insoluble, solid inorganic salt which is chemically inert to said oil and which is in particle size from about 150 mesh to about 300 mesh, passing said oil through said coating and said filtering medium thereby removing filterable impurities from the oil, treating the filter cake of inorganic salt, impurities, and retained oil with water and dissolving the water-soluble salt and thereby liberating retained oil, and separating the liberated oil from the salt solution and impurities.

2,579,947

CANVAS AWNING ATTACHMENT

Warnock M. McIlwaine, San Pedro, Calif.

Application December 2, 1949, Serial No. 130,837
2 Claims. (Cl. 160—45)



1. A canvas awning including a tubular roof member, and an attachment engageable with the tubular roof member, comprising a plate, means securing said plate to the canvas awning, a finger on said plate, said finger extending into the end of the tubular roof member.

2,579,948

SLEEPING BAG

Cornell M. Miller, Philadelphia, Pa.

Application January 8, 1947, Serial No. 720,891
6 Claims. (Cl. 2—69.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



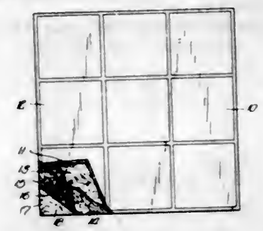
1. A sleeping bag blank formed from a back panel of substantially rectangular outline provided with complementary cutouts in the head end to form a face opening, front panels of substantially rectangular formation at the head end, the front panels being stitched to the side edges of the back panel and each spaced from the head end of the latter a distance equal to the width of each front panel.

2,579,949

LAMINATED PRODUCT AND METHOD OF LAMINATING

Festus L. Minnear, Mount Vernon, Ohio, assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application June 18, 1947, Serial No. 755,302
3 Claims. (Cl. 154—128)



1. A method of forming a flexible dimensionally stable sheet-like product which comprises impregnating relatively thin woven glass fiber cloth with a relatively flexible thermosetting resin composition, impregnating paper sheets with the same resin composition, compounding the impregnated glass fiber cloth between the impregnated paper sheets, and polymerizing the resin

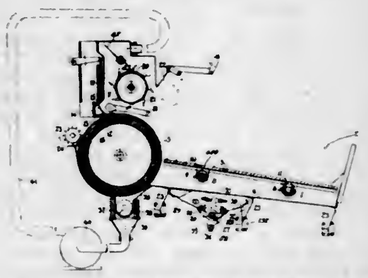
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2,579,950

APPARATUS FOR FEEDING CUT TOBACCO

Desmond Walter Molins, Felix Frederic Ruau, and Albert Ernest Francis, London, England, assignors to Molins Machine Company Limited, London, England

Application September 9, 1946, Serial No. 695,730
In Great Britain September 17, 1945
9 Claims. (Cl. 131—109)



1. Apparatus for feeding cut tobacco, comprising a hopper for the tobacco, a combing member to remove tobacco from the hopper, and a feeding device to support the mass of tobacco in the hopper and urge tobacco against the combing member, the said feeding device comprising a plurality of feeding members each of which extends lengthwise of the direction of feed and which are disposed side by side in the hopper and arranged to receive tobacco on their upper surfaces and to permit shorts to fall between them, said feeding members being supported for bodily orbital movement lengthwise of the hopper, and means to move some of said members upwardly and forwardly to urge tobacco by means of their upper surfaces against the combing member and concurrently to move other of said members downwardly and rearwardly in a return stroke, wherein the said feeding members have smooth portions on their upper surfaces on which tobacco being fed can slide, for the purpose of reducing

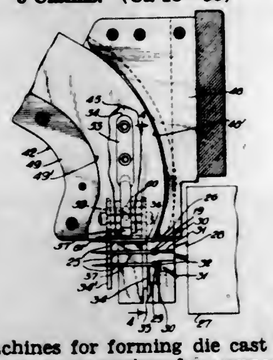
variations in the pressure of tobacco against the carding of the combing member with widely differing amounts of tobacco in the hopper.

2,579,951

APPARATUS FOR CASTING HEADS ON PINS

Louis H. Morin, Bronx, and Otto Gries, New Rochelle, N. Y.; said Gries assignor to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware

Application March 12, 1946, Serial No. 653,742
5 Claims. (Cl. 18—30)



1. In machines for forming die cast heads on pin members, a magazine for supporting pin members in stacked relation one upon the other, means on the magazine for guiding the pin members to predetermined position at the lower discharge end of said magazine, means forming a vertical channel in spaced relation to and below said magazine, with a horizontal channel placing the discharge end of the magazine stack in communication with the upper end of said vertical channel, a pair of die operating members having a pair of dies supported therein, said die operating members being movable toward and from each other to move the dies to closed and opened positions, said dies collectively forming a cavity in predetermined alinement with one end of alined pin members in said stack, one die operating member having a finger to pick-up the lowermost pin member of the stack in order to deliver the same through said horizontal channel to the upper end of said vertical channel during closing movement of said member, said member having below and in spaced relation to said finger a platform movable across the vertical channel to catch the pin member delivered to said vertical channel and support the same in horizontal alinement with the die cavity, with the dies in open position, the other die operating member having a platform spaced with respect to the platform of the first member and movable across said vertical channel when the platform of the first member clears the vertical channel to allow the pin member to drop from a die alining position to a trimming station, and trimming tools at the trimming station for trimming the casting on the pin member during closing movement of said dies.

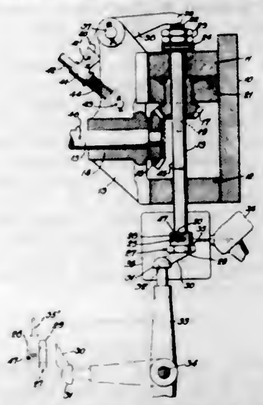
2,579,952

METHOD OF FORMING THREADED DIE CASTINGS

Louis H. Morin, Bronx, N. Y.

Application June 16, 1950, Serial No. 168,616
25 Claims. (Cl. 18—55)

25. The method of forming a threaded die casting which comprises supporting a forming member in die casting position relatively to a die member, one of said members being threaded to collectively form between said members a threaded cavity in which said casting is to be formed, supporting said members in engagement with each other, continuously rotating the die member while it is in engagement with the forming member, pressure injecting casting material into



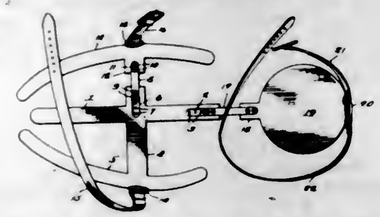
the cavity while said die member is being continuously rotated, thereby forming a threaded casting in the cavity, unthreading the casting from the forming member by virtue of the rotary movement imparted to the die member, and simultaneously with said unthreading step moving the die member axially away from the forming member.

2,579,953

ADJUSTABLE SHOE GRIPPER

Naomi M. Morris, Cleveland, Ohio

Application February 13, 1951, Serial No. 210,687
1 Claim. (Cl. 36—7.6)



An anti-slip attachment for shoes comprising an elongated flat center bar adapted to extend substantially longitudinally and centrally of and underlie the sole of a shoe, said center bar having a longitudinal recess in its rear end, a cross piece rigid with the medial portion of the center bar and having a longitudinal recess in one end thereof, a gripping member proportioned to underlie one side of a shoe sole, a connecting bar secured at one end to said gripping member, the connecting bar extending into the recess of the cross piece at its other end, means for attaching said last-named end of the connecting bar in selected positions of adjustment longitudinally of the cross bar, for adjustment of the gripping member toward and away from the center bar, a second gripping member rigid with the opposite end of the cross bar and adapted to underlie the opposite side portion of a shoe, a heel piece spaced rearwardly from the center bar, a connecting bar secured at opposite ends to the heel piece and in the center bar recess respectively, the connection of the connecting bar last-named to the center bar being adjustable longitudinally of the center bar, and means on the undersides of the heel piece and the respective gripping members adapted to grip an icy surface or the like, said means comprising a plurality of spaced depending pointed cleats, said gripping members and heel piece having means for attachment to a shoe.

2,579,954

TABLET BOX

James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application July 3, 1945, Serial No. 602,965
3 Claims. (Cl. 220—36)



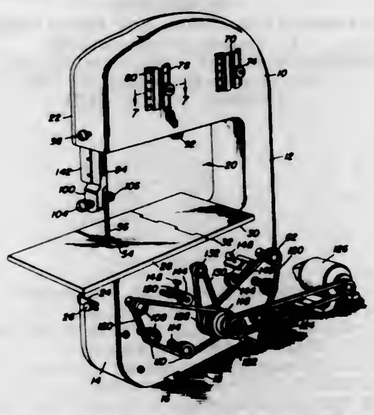
1. A tablet box comprising a body and a cover, each having rear, front and side walls integrally connected to a bottom and top respectively with the cover walls surrounding the body walls all of said body walls being of substantially the same height throughout, a hinge connecting the cover to the body so as to permit the cover to move up and down on the body at the hinge connection, a yielding latch connection at the front of the box, each side wall of the body being displaced bodily upwardly in the plane of the wall so as to provide an upper edge which is arched upwardly to form a fulcrum point of contact between the upper edge of the side wall and the cover said fulcrum point being disposed forwardly from the rear wall of the body whereby the latching of the cover to the body may be released by pressure applied to the rear of the cover.

2,579,955

TILTABLE TABLE BAND SAW MACHINE

Michael Orescan, Toronto, Ontario, Canada

Application December 16, 1947, Serial No. 791,992
3 Claims. (Cl. 143—17)



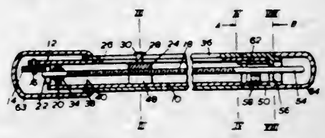
2. A band saw comprising a frame having a front gap, a band saw operatively mounted on said frame so as to traverse the front of said gap, a tiltable work table having a saw aperture, the frame just below the front of said gap having a downwardly inclined portion at the front thereof to support the table in an extreme tilted position, said table being sectional and hinged on a line transverse to said frame and within said gap, said inclined portion of the frame having an opening, and a suction fan operatively connected with said opening.

2,579,956

DISTANCE MEASURING DEVICE AND THE LIKE

Henry Ernest Lloyd Owen and Henry Thomas Gurton, Chiswick Village, London, England

Application July 11, 1949, Serial No. 103,992
In Great Britain July 13, 1948
3 Claims. (Cl. 33—141)



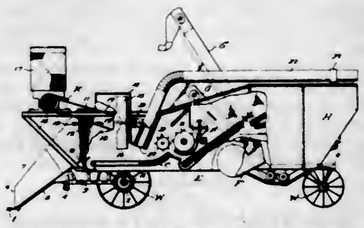
1. A device for measuring distances on charts and the like comprising a tubular holder having a longitudinal slot through its surface, a screw threaded rod rotatably mounted in said holder to rotate about a longitudinal axis within said holder, a toothed chart wheel rotatably mounted in said holder and operatively connected to said rod to rotate it, a screw threaded nut mounted within said holder and threaded onto said rod, the rod being held against axial movement within said holder and the nut being held against rotation in said holder, a pointer mounted on said nut and extending into said slot, and a sleeve having a plurality of different scales mounted on said holder and being adjustable thereon to bring any desired scale into registry with said slot and pointer, a radial slot in said nut to enable said rod to be moved transversely in said holder out of engagement with said nut thread, a cap having a radial slot therein through which the free end of said rod passes secured against rotation on the end of the holder remote from the chart wheel with the slot in alignment with said slot in said nut, a spring in said cap arranged to maintain said rod in engagement with said nut thread but on movement of said rod end against the action of said spring will disengage said rod from the nut threads to permit rapid axial movement of said nut and pointer with respect to said scale.

2,579,957

VACUUM HEADER FOR COMBINE HARVESTERS

Frederic A. Pearne, Biggs, Calif.

Application October 30, 1947, Serial No. 783,081
2 Claims. (Cl. 56—123)



1. In a harvester, a frame, a housing supported on said frame, front and rear wheels for supporting said frame, an axle extending between said front wheels, a first endless conveyor ar-

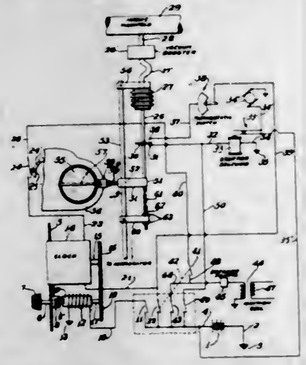
ranged in said housing for conveying the harvested crop rearwardly in said housing, a cylinder in said housing for receiving the material from said conveyor and separating the grain therefrom, an endless elevator arranged rearwardly of said conveyor for receiving the grain, means for actuating said conveyor and elevator, a suction header including rearwardly converging side walls hingedly connected to said frame, a reciprocating cutter mounted on the front of said header, means operatively connecting said cutter to said axle, a header housing located rearwardly of said header, and supported on said frame, a flexible hood connecting said header to said header housing, manually operable means for adjusting said header housing, said header housing including an upper rear extension defining a casing, a rotary fan mounted in said casing, said fan being located above said first conveyor, means for operating said fan, and an open-ended exhaust air duct having its front end arranged contiguous to said fan and its rear end terminating at the rear of said housing.

2,579,958

AUTOMATIC STARTING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Francis J. Perhats, Chicago, Ill.

Application May 20, 1950, Serial No. 163,308
9 Claims. (Cl. 290—38)



1. A device for automatically cranking an internal combustion engine having an electric starting motor for cranking the engine, an ignition circuit and a source of electric current which comprises, a starting motor controlling circuit and an auxiliary circuit connected to said ignition circuit both of which have a common branch when said engine is inoperative, master switch means for connecting said common branch to said source of current, normally open switch means interposed in said common branch, clock means for closing said switch means for a predetermined period of time in response to a predetermined time indication by said clock means to energize said starting motor and connect said ignition circuit to said source of current, and separate circuit means for connecting said ignition circuit to the source of current when said clock operated switch is opened.

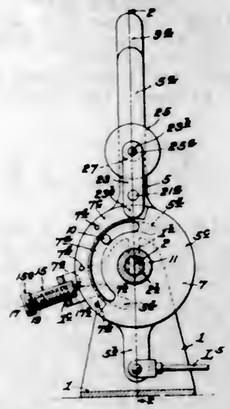
2,579,959

MULTIPLE THROTTLE CONTROL

Delmore P. Petersen, Twin Falls, Iowa

Application September 13, 1950, Serial No. 184,665
7 Claims. (Cl. 74—480)

1. A throttle control device for multiple-engine installations, each engine having a throttle-control linkage; comprising a frame; a shaft extending through said frame; a throttle-control lever for each engine journaled on said shaft and operatively connected to the throttle-control linkage of said engine; a master-control lever journaled on said shaft and having an offset rod fixed through it parallel to the shaft and extending laterally beyond said throttle-control levers; an idler disc journaled on the shaft adjacent each control lever, each disc having a circumferential slot receiving said rod, the length of the slot extending through the angle of maximum throw of the throttle-control lever plus the diameter of the rod, and the respective throttle-control levers being cut away to afford lateral clearance to said slots; and means for locking each of said discs to its adjacent throttle-control lever so that when the master-control lever is moved, the rod simultaneously imparts rotation to said discs which in turn move their respective control levers in unison.

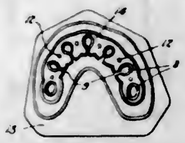


2,579,960

METHOD OF MAKING ARTIFICIAL DENTURES

František Pita, Jirkov, and Julian Prokeš, Chomutov, Czechoslovakia

Application July 21, 1949, Serial No. 105,931
In Czechoslovakia May 26, 1949
1 Claim. (Cl. 18—55.1)



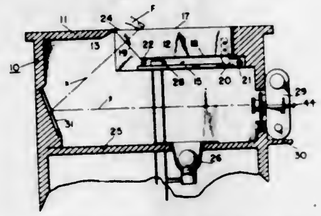
In the method of molding dentures with suction depressions in the gum seating surfaces thereof with the aid of a foil strip of the size and general shape of the depressions to be formed and having apertures at spaced intervals, the improvement which comprises slotting the foil strip from the apertures therein to one edge thereof, applying the thus slotted foil strip to the mold of the gum and deforming it to conform it to the contour and shape of the mold of the gum in the position thereon at which the depressions are to be formed in the denture and molding the denture in contact with the mold of the gum with the foil strip applied thereon.

2,579,961

PHOTOGRAPHIC FINGERPRINTING DEVICE

Jewett Eugene Popma, Portland, Oreg.

Application January 2, 1951, Serial No. 203,916
9 Claims. (Cl. 88—24)



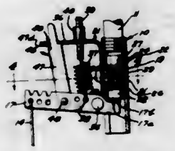
1. In a photographic finger printing device, a block of glass having a top face and a front wall extending downwardly from said top face and obliquely with respect thereto, a mounting for said block of glass, said mounting including means permitting said block to be pressed downwardly in said mounting, a light positioned below said block of glass, a switch controlling said light and so arranged as to be closed by the downward movement of said block of glass whenever said block is pressed downward in said mounting, and a camera located below said block and arranged for photographing the light rays reflected from said top face of said block down through said front wall.

2,579,962

VALVE

Virgil H. Pruitt, Snow Hill, Md., and Lewis A. Medlar, Oreland, Pa.; said Medlar assignor to Fox Products Company, Philadelphia, Pa., a corporation

Application August 20, 1948, Serial No. 45,263
10 Claims. (Cl. 137—68)



1. A valve of the type described, comprising a casing, a plurality of aligned bores extending inwardly from the opposite ends of said casing, a restricted partition in said casing between said bores and having an opening therethrough forming a communication between said bores, valve seats on the opposite sides of said partition around said opening thereby constituting valve orifices and seats, a valve member associated with each of said orifices, an independent valve stem of greater length than said partition extending through the opening in said partition and operably associated between said valve members whereby the latter are caused to move in unison under certain conditions in such relation that when one valve is in closed position the other will be in open position, a valve control arm pivotally connected to said housing, one end of said arm being operably associated with one of said valves for positive movement thereof, and latch means pivotally intercoupled with said arm and adapted to be manually moved into frictional engagement with abutment means on said casing when said arm is in an unloaded condition to maintain the arm in valve opening position, said latch means being oriented relative to the pivotal coupling with said arm to be gravitationally biased out of engagement with said abutment means on loading of said arm to a predetermined condition.

2,579,963

POWER-OPERATED LOADER ADJUSTING MECHANISM

Seldon L. Randolph, Loraine, Ill.

Application August 11, 1950, Serial No. 178,870
4 Claims. (Cl. 198—233)



4. In combination with a mechanical loader including a support, a conveyor unit, first means pivotally connecting said conveyor unit at one end to said support, second means pivotally mounted on said support and supporting said conveyor unit intermediate the length of the latter, a cable drum, third means pivotally mounted on and upstanding from said support and carrying said cable drum, a cable wound on said drum and connected to said second means for raising and lowering said conveyor unit upon rotation of said drum, fourth means carried by said third means and drivingly connected to said cable drum to impart rotational movements to the latter, a conveyor-operating power unit adjacent said one end of said conveyor unit, gear means carried by said conveyor unit adjacent said power unit, manually controllable means drivingly connecting said power unit to said gear means, and means including an adjustable length shaft drivingly connecting said gear means to said fourth means for driving said cable drum from said power unit under manual control, said fourth means comprising a first gear on said cable drum, a first gear housing mounted on said third means and surrounding said first gear, a first shaft journaled in said first housing and connected at one end to the adjacent end of said adjustable length shaft, and a second gear mounted on said first shaft within said first gear housing and meshing with said first gear, said second means comprising a second gear housing mounted on said conveyor unit, a second shaft journaled in said second housing and connected at one end to the adjacent end of said adjustable length shaft, a third shaft journaled in said second gear housing, gears mounted one on each of said second and third shafts within said second gear housing and drivingly connecting said third shaft to said second shaft, and said manually controllable means including belt pulleys mounted one on said third shaft and one on said power unit and a belt connecting said belt pulleys.

2,579,964

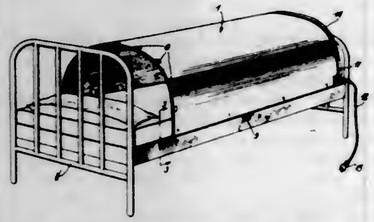
RADIANT COVER

Julian L. Reynolds, Richmond, Va.

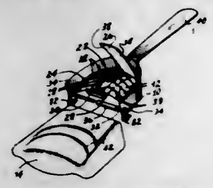
Application August 10, 1948, Serial No. 43,396
3 Claims. (Cl. 219—19)

1. A radiant hospital bed cover having a semi-cylindrical shape and adapted to be fitted in spaced relationship over a patient in a bed, consisting of an inner aluminum sheet, electrical heating elements adhesively united to said sheet by a non-conducting adhesive, an outer sheet of

aluminum, inorganic insulating material positioned between said outer aluminum sheet and said inner aluminum sheet, and means to frictionally engage the sideboards of a bed, whereby said convalescent patient may be radiantly heated by the heat rays emitted from said inner aluminum sheet.



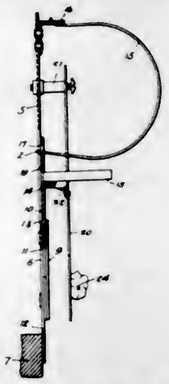
2,579,965
ADJUSTABLE DENTAL TRAY FOR MAKING ARTIFICIAL DENTURES
Joseph W. Robinson, Trenton, N. J.
Application September 29, 1950, Serial No. 187,491
7 Claims. (Cl. 32—17)



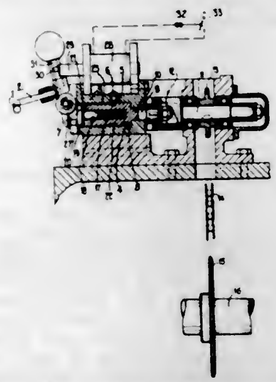
1. An adjustable dental tray for making artificial dentures comprising a receptacle, made of thin, resilient material, having a U-shaped wall and a groove extending around the inner side of said wall, a plurality of curved, radial leaves extending inwardly from said groove, said leaves overlapping at their adjacent edges and forming a convex bottom for said receptacle, said leaves and said wall being adjustable to conform to the contour of a mouth roof and gum form; and means for locking said leaves and said wall in adjusted position.

2,579,966
RODENT TRAP
Roy R. Ross, Alexandria, Va., assignor of fifty per cent to Cecil F. Ross, Washington, D. C.
Application June 12, 1946, Serial No. 676,241
1 Claim. (Cl. 43—85)

A rodent trap including a supporting plate having an entrance opening formed therein providing a jaw, adapted to be secured to a support having an opening in registry with the opening of the supporting plate, said supporting plate having a vertically elongated opening, a vertically sliding jaw mounted on the supporting plate and being movable over the opening of the plate, adapted to grip a rodent within the opening of the plate, said vertically sliding jaw having a transversely elongated opening formed therein, a spring member having one of its ends secured to the supporting plate, the opposite end of the spring being reduced and extended through the transversely elongated opening of said jaw securing the spring to said sliding jaw, a portion of said reduced end of the spring extending beyond the side surface of the jaw providing a stop adapted to engage one end of said vertically elongated opening, limiting downward movement of said vertically sliding jaw, and means including a trigger for releasing said movable jaw from a set position, adapted to trap a rodent entering said entrance opening of the trap.



2,579,967
DEVICE FOR APPLYING ADHESIVE TO A TRAVELING SURFACE
Félix Frédéric Ruau, London, England, assignor to Molins Machine Company Limited, London, England, a British company
Application July 15, 1947, Serial No. 761,018
In Great Britain July 30, 1946
14 Claims. (Cl. 91—12)



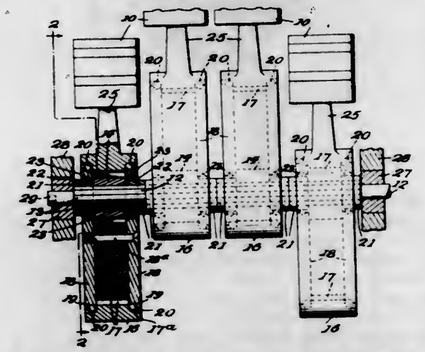
1. An adhesive applying device comprising an enclosed chamber of circular cross-section and having two end walls and a tubular wall, and having an inlet for adhesive, said inlet being formed in the tubular wall, and an outlet for adhesive, said outlet and inlet being spaced apart axially of the chamber, a rotor of circular cross-section rotatable in the chamber and having a milling surface cooperating with the inner surface of the tubular wall, and operable between the inlet and outlet to mill adhesive passing axially of the chamber and rotor between the two said surfaces toward the outlet, a shaft for rotating said rotor and extending through an end wall of the chamber, and resilient pressure means to urge the rotor axially toward that end wall of the chamber through which the shaft of the rotor extends, to seal the aperture for the shaft.

2,579,968
MEDULLARY PIN
Leslie V. Rush, Meridian, Miss.
Application February 15, 1949, Serial No. 76,552
6 Claims. (Cl. 128—92)



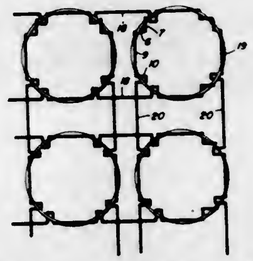
5. A fracture fixing pin comprising a rod smooth of external surface and round in cross section and having a pointed entry end with the point disposed to one side of the axis of the rod, and a single flat guiding face merging into said point from the opposite side of the rod, and having at its other end a retraction facilitating hook portion bearing a predetermined definite relation to said flat guiding face, said pin while being pliable to an extent for permitting preset shaping prior to insertion and during driving also having inherent resiliency effective to cause it constantly to tend to return to its present shape during its active positioning in a fractured bone structure.

2,579,969
SHAFT DRIVE FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE
Stanley Rzepela, Philadelphia, Pa.
Application November 9, 1948, Serial No. 59,104
3 Claims. (Cl. 74—52)



1. In internal combustion engines of the four-cycle type, wherein the several pistons are subjected to stroke regimens in normal succession for rotating the drive shaft of the engine, and in combination, a piston and cylinder assemblage, a drive shaft common to the several pistons, said shaft being free from crank formations, and means for operatively connecting the several pistons individually with the drive shaft to rotate the latter by the application of the regimens of the several pistons individually in predetermined succession on such shaft, said means comprising an annular member individual to and pivotally supported by each piston, said member being toothed internally to present the member as an internally toothed gear, and a pinion for and individual to each of said annular ring members with the pinions keyed to the drive shaft, said annular gear member and its pinion being relatively mounted for tooth engagement as a piston unit, the pinions of the respective piston units being alined axially with one another and with the drive shaft axis, each piston unit providing its four-cycle regimen strokes in similar order with the timing of similar regimen strokes of the assembly of units individually differing as between neighbor units, each annular gear member including demounting means individual to the member for enabling adjustment of the angular timing relation of a piston unit relative to its neighbor and for maintaining toothed engagement of ring member and pinion of the individual piston unit during service.

2,579,970
COIL SPRING RETAINING ROD
August G. Scampone, Utica, N. Y.
Application December 8, 1948, Serial No. 64,174
3 Claims. (Cl. 5—351)

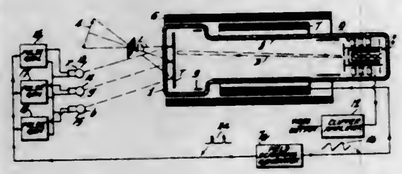


1. A tie member for connecting the convolutions of a row of coil springs comprising a wire rod having right angled horizontal end portions overlying and underlying said convolutions of the end springs of the row and terminating in hooks engaging over said convolutions, said rod having intermediate portions subtending and engaging one side of said convolutions of the springs of the row, and said rods being provided with horizontal loops bent therefrom intermediate said portions and which subtend and engage the opposite sides of said convolutions.

2,579,971
COLOR TELEVISION SYSTEM
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1947, Serial No. 788,135
10 Claims. (Cl. 178—5.4)

1. In a television system of the type in which an optical image is focused upon the photosensitive surface in a camera tube to thereby produce a corresponding electrostatic charge image on a target electrode, the combination of means for separating the light rays from the optical image which reach each normal image element area of the said photosensitive surface into a plurality of color components so that a portion of each image element area will be charged by light

of one component color only, means for increasing the charge by a substantially constant amount during regularly recurring intervals on that portion only of each image element area that is associated with light of a particular component color, means for causing said charge increasing means to act sequentially on the different color-component area portions of said photosensitive surface, means for scanning the target electrode



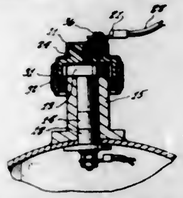
by an electron beam in said camera tube to thereby derive output signals representative of the charges on each group of different color-component area portions, and means for separating from said output signals a particular signal representative of that group of color-component area portions acted upon by the said charge-increasing means during the immediately preceding interval.

2,579,972
TESTING DEVICE FOR COMPARATIVELY SHORT TUBES
Albert T. Scheiwer, Erie, Pa.
Application May 24, 1947, Serial No. 750,349
3 Claims. (Cl. 73—37)



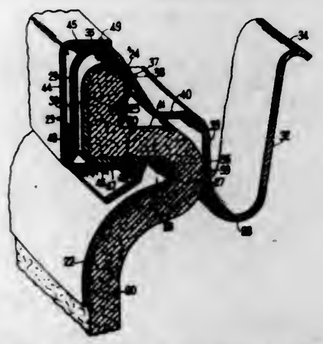
1. A testing device of the type described comprising a member having a closed end, means in said closed end for sealingly engaging the open end of a tubular member to be tested, a female coupling member on the opposite end of said member having an axially extending aperture, a male coupling member having a connecting portion adapted to receive a tubular member to be tested axially thereof extending into the aperture in said female coupling member, releasable camming means for locking said male and female members together, and sealing means in said male member for sealingly engaging said tube, a hose connecting member attached to said male member, and a source of fluid for exerting pressure on the interior of said tubular member.

2,579,973
COMPRESSOR TERMINAL SEAL
Michael P. Schlosser, Port Chester, N. Y.
Application March 29, 1948, Serial No. 17,718
3 Claims. (Cl. 174—77)



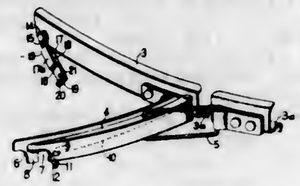
1. A terminal seal comprising a member having a central threaded opening adapted for the connection of the member upon a terminal rod, said member having an externally threaded skirt portion adapted to extend down the sides of the terminal, a sealing ring adapted to be extended about a sleeve projection of the terminal, a retaining ring for causing the sealing ring to be compressed against the skirt portion of the member and against the sleeve projection of the terminal, said retaining ring having internal left hand threads for the securement of the retainer ring with the skirt portion of the member and means for securing an electric wire to the member.

2,579,974
CONTAINER END STRUCTURE
Harry A. Scott and John W. Spieker, Van Wert, Ohio, assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,864
1 Claim. (Cl. 229—43)



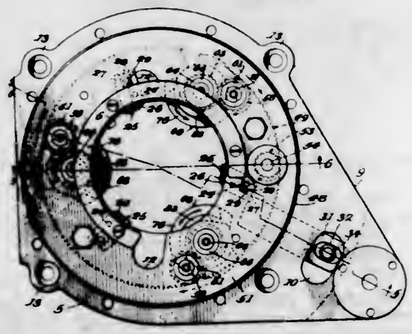
A container comprising a cylindrical fiber body, an annular reenforcing metal band closely fitting the outer upper portion of said body and having the upper end thereof fitting around and closely housing the end portion of the body so as to form an annular bead-like closure bearing, the lower portion of said band and the body walls opposing the same being formed inwardly to provide an internal annular rib having a predetermined inner diameter and an external annular groove, a metal closure having a peripheral flange overlying and spaced from the upper end of the reinforcing metal band, said cover having inwardly of the flange an annular depression forming a substantially vertical wall, dimensioned so as to make frictional engagement with the innermost part of said rib, said vertical wall of the cover connecting with an annular outwardly tapering portion terminating in said cover flange said tapering portion being dismensioned so as to make wedging sealing engagement with the said bead-like closure bearing on the reinforcing band, said cover contacting said body only at said closure bearing and said innermost part of said rib so that downward movement of the cover onto the container body is limited solely by said wedging engagement of said tapering portion with said closure bearing.

2,579,975
LEVER LOCK
Harry A. Scott and John W. Spieker, Van Wert, Ohio, assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 20, 1948, Serial No. 50,134
3 Claims. (Cl. 220—61)



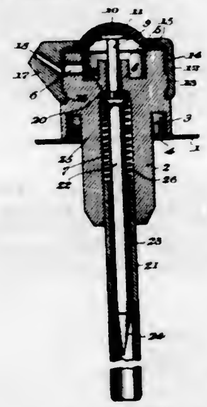
1. In combination with a band having an actuating lever associated therewith for expanding and contracting it, said lever being movable to a position in association with the face of the band, latching means for holding the lever in such position, said latching means comprising a latch arm pivoted to the band adjacent the end of the lever for movement in a plane at right angles to the plane of movement of the lever, the end of the lever being provided with a depending tongue and a notch adjacent the tongue and inwardly thereof, said latch arm having an outwardly bent part to form a socket for receiving the tongue and having its outer end spaced inwardly of the plane of the lever so that it will pass behind said lever as the arm is swung upwardly with the tongue passing into the socket and the arm passing into said notch.

2,579,976
HIGH-SPEED COVER FEED
Justin Simpson, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 24, 1949, Serial No. 72,328
17 Claims. (Cl. 113—114)



1. In apparatus of the character described, the combination of means for feeding cans, means including a plurality of feeder screws for supporting a stack of covers and feeding them one by one from the bottom of the stack for assembly on said cans, each said screw including a stack supporting horizontal portion and a positive feeder groove at least in part helical in shape and leading downwardly away from said horizontal portion, means for continuously rotating said feeder screws, projectable and retractable lugs each including a horizontal stack supporting portion at the same level as the horizontal stack supporting portions of the screws and effective to take over the support of the cover stack from the feed screws and permit the screws to rotate ineffectually when they are projected and return the support and feeding of the covers of the stack to said screws when they are retracted, and means controlled by engagement of fed cans for alternately projecting and retracting said lugs accordingly as the continuity of feeding of a line of cans adapted to receive the covers is broken and then again resumed.

2,579,977
DISPENSING VALVE UNIT FOR VOLATILE PRODUCTS
Harry H. Sjolin, Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 11, 1947, Serial No. 773,379
3 Claims. (Cl. 299—95)



1. A dispensing device for liquid products retained under pressure comprising a valve body having a lower chamber, an upper expansion chamber arranged one above the other, said body having a passage connecting said chambers, a horizontal valve seat surrounding the passage at the lower end thereof, a valve adapted to engage said seat, a rod disposed in said lower chamber and having a head at its upper end on which said valve is supported, a spring surrounding the rod and engaging the head for seating the valve, a valve operating stem resting freely on said valve and extending upwardly through said passage into the upper expansion chamber, said stem and passage being dimensioned so as to provide a restricted annular flow channel of uniform cross sectional dimensions for discharging the liquid product into said upper expansion chamber, said dispensing device having a dispensing orifice connected to said upper chamber, a flexible disk extending across the valve body and forming the upper wall of said expansion chamber, a ring surrounding the valve body at the upper end

thereof, said ring having an inwardly projecting flange adapted to overlie said disk and clamp and seal the same against the end of the valve body so that said disk is exposed for direct finger engagement by the operator, said valve body in the region of the upper half of the ring being smaller in diameter than the ring so as to provide a channel extending around the valve body, a port in the valve body communicating with the upper chamber and the channel, and a dispensing port in said ring communicating with said channel, said disk when depressed engaging said stem for opening the valve.

2,579,978

SOFT FERROMAGNETIC MATERIAL AND METHOD OF MAKING SAME

Jacob Louis Snoek, Pieter Willem Haayman, and Frans Cornelis Romeyn, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application March 6, 1947, Serial No. 732,836
In the Netherlands March 27, 1946
10 Claims. (Cl. 252—62.5)

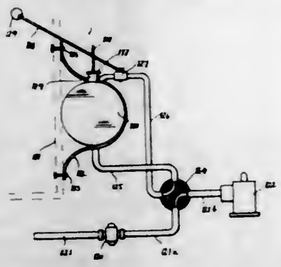
1. A soft ferromagnetic material having low magnetic losses up to about 20 mc./sec. and which is particularly adapted for use in cores in inductance coils and the like employed in circuits operating at frequencies up to 20 mc./sec., consisting essentially of substantially homogeneous mixed crystals of nickel-zinc ferrite having an initial magnetic permeability of about 20 to 150 and consisting of the heat reaction product of about 10 to 35 mol. per cent of NiO, about 40 to 60 mol. per cent of Fe_2O_3, and the remainder ZnO in an amount at which the Curie point of the nickel-zinc ferrite exceeds 250° C. and comprises at least 10 mol. per cent.

2,579,979

EMERGENCY FUEL TANK

Frank Solicito, Bronx, N. Y., assignor of one-half to Philip P. Goodkin, New York, N. Y.

Application January 22, 1949, Serial No. 72,155
2 Claims. (Cl. 158—46.5)



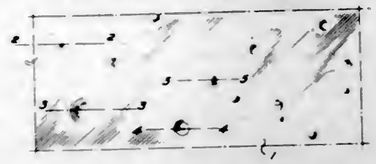
1. In an automotive vehicle having a carburetor and a fuel pump, in combination, an emergency fuel tank provided with an inlet and with an outlet located above the level of the carburetor, valve means including a valve comprising a casing, said casing having at least three openings, and a rotor inside said casing, said rotor being provided with a channel, a first conduit connecting said fuel pump directly to one of said openings, a second conduit connecting said outlet to another of said openings, and a third conduit connecting said carburetor to a third of said openings, said valve having a first position in which said channel connects said first conduit to said third conduit, said valve simultaneously disconnecting said second conduit from each of the other of said conduits, thereby establishing a path for fuel between the fuel pump and the carburetor, said valve having a second position in which said channel connects said second conduit to said third conduit, said valve simultaneously disconnecting said first conduit from each of the other of said conduits, thereby establishing a path for fuel between the emergency fuel tank and the carburetor, a fourth conduit connecting said valve means directly to said emergency tank, and means including said valve means, said inlet and said fourth conduit for establishing a path for fuel delivered by said pump and passing through said emergency fuel tank to said carburetor in said second position of said valve.

2,579,980

BENZOGUANAMINE RESIN SURFACE COATING MATERIALS AND PROCESSES FOR PREPARING THE SAME

Frank R. Spencer, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application January 21, 1950, Serial No. 139,805
3 Claims. (Cl. 260—45.3)



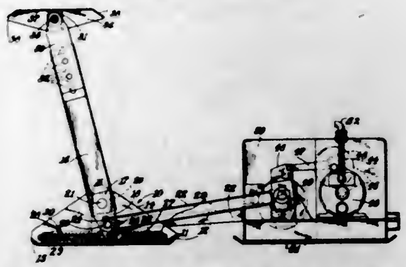
1. A coating composition, capable of yielding on baking a non-crawling film comprising a compatible blend of 20–40 parts of a benzoguanamine aldehyde resin, about 80–60 parts of an alkyd resin, about 0.5% by weight of a modifier comprising a polymeric alkyl ester of an alpha, beta unsaturated carboxylic acid, wherein said percentage by weight is based on the total weight of the resin solids and a solvent.

2,579,981

APPARATUS FOR EFFECTING OR CONTROLLING TRAVERSE OF A BODY BETWEEN OPPOSED WALLS

Harry Spragg, Derbyshire, England, assignor to Markham & Company Limited, Chesterfield, England, a British company

Application June 19, 1945, Serial No. 600,379
In Great Britain June 29, 1944
6 Claims. (Cl. 262—1)



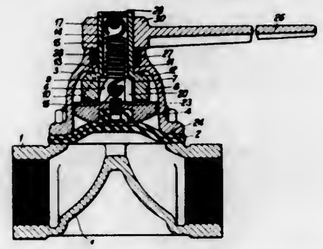
5. Apparatus for traversing a body along and between opposed walls such as the roof and floor of a mine comprising two carriages disposed side by side to move along one wall, a strut associated with each carriage, a pivotal mounting on each carriage engaging a strut a short distance from its lower extremity, the length of each of which struts above its pivotal connection together with the distance of the pivotal connection from the bottom of the carriage is greater than the distance between the walls so that each strut is inclined to the vertical, resilient yielding means for automatically maintaining the engagement of each carriage and strut with said walls, driving means on said body comprising a crank shaft having two crank pins disposed at 180°, and connecting rods pivotally attached to the crank pins and to those parts of the struts beneath their pivotal connections with the mounting whereby reciprocatory movement may be imparted to the two carriages in out of phase relationship.

2,579,982

FLUID CONTROL VALVE

Arthur Lewis Trump, Cwmbran, England, assignor, by mesne assignments, to Saunders Valve Company Limited, Cwmbran, England, a corporation of Great Britain

Application July 6, 1946, Serial No. 681,628
In Great Britain January 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 8, 1965
2 Claims. (Cl. 251—24)



1. In a diaphragm valve comprising a body having inlet and outlet passages therein, a diaphragm movable between positions in which it closes and opens communication between the passages, a bonnet, and an actuator in the bonnet for moving said diaphragm, the combination of a rotatable member in said bonnet which rotates without moving longitudinally, a stem on said rotatable member projecting from said bonnet and having a through bore, two cooperating cams for moving said actuator, one formed on said actuator and the other on said rotatable member, a tension spring in the bore of said stem, cross pins anchoring the ends of said spring respectively to said actuator and said stem thereby urging said cams into contact with one another, and operating means on the projecting part of said stem.

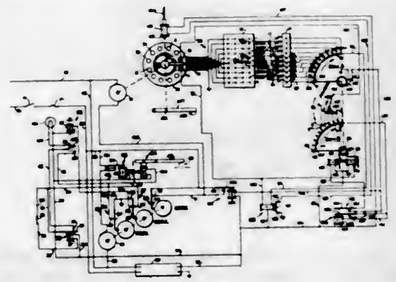
2,579,983

APPARATUS FOR OPERATING AUTOMATIC TELEPHONES

Michael E. Thornton, Los Angeles, Calif.

Application October 6, 1949, Serial No. 119,927
20 Claims. (Cl. 179—90)

1. In apparatus for automatically calling a preselected telephone number on a dial telephone, a combination including: a first means for engaging the regular telephone line button for switching the telephone in and out of circuit; a second means comprising a mechanical dialing finger adapted to rotate in a circle concentric with the telephone dial for rotating the same; electro-responsive means for moving said finger into any of the openings in said dial; a third means for moving said finger out of any of said openings upon the de-energizing of said electro-responsive means; commutating means comprising a different electrical contact for each of the openings in said dial; a conducting brush adapted successively to move over and engage said contacts; means whereby the movement of said brush is synchronized with the movement of said finger so that said brush will engage each contact while



said finger is in registry with the corresponding opening in said dial; means for pre-selecting which of said contacts will be energized during specific cycles of movement of said brush; and means for energizing said electro-responsive means upon completion of a circuit between any of said contacts and said brush so that said finger during specific cycles of its rotation will move into the dial opening corresponding to the contact that is energized during the corresponding cycle of movement of said brush.

2,579,984

FILTERS FOR REMOVING DUST FROM GAS OR AIR

William L. Trowbridge, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

No Drawing. Application October 23, 1948, Serial No. 56,261
6 Claims. (Cl. 183—45)

1. A gas filter comprising fibers bonded at least at their junctures by an elastomer and carrying on the fiber surfaces a polyoxyalkylene derivative of the reaction product of a dehydrated hexitol and a saturated fatty acid having 10 to 18 carbon atoms per molecule.

2,579,985

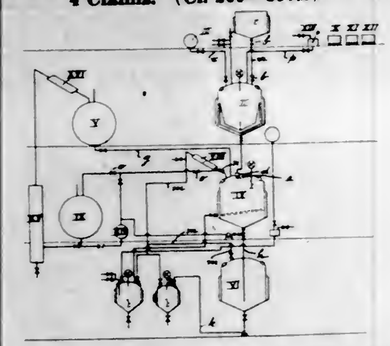
MOLDED TABLEWARE ARTICLES AND RESINS USED TO PRODUCE SAME

Andrew A. Varela, Old Greenwich, Conn., and Ralph J. Schupp, Port Chester, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 17, 1951, Serial No. 206,502
4 Claims. (Cl. 260—67.6)

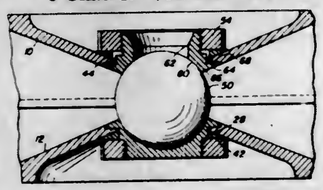
1. A thermosetting, resinous composition, particularly adapted for molding tableware articles having improved coffee stain resistance, comprising a benzoguanamine-melamine-formaldehyde resin, wherein the mol ratio of benzoguanamine to melamine is within the range of 1:3.3 to 2:1, respectively, and the mol ratio of benzoguanamine and melamine to formaldehyde is 1:1.5 to 1:2.1, respectively.

2,579,986
LANOLIN ALCOHOLS FROM WOOL GREASE
Peter Vaterrodt, Rutherford, and Robert E. Choyce, Passaic, N. J., assignors to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey
Application February 3, 1950, Serial No. 142,192
4 Claims. (Cl. 260—397.2)



1. A process for recovering lanolin alcohols from wool grease which consists in saponifying the wool grease by caustic alkali solution having a caustic alkali content of about 75% to about 85% at pressure not substantially exceeding one atmosphere, converting the product to calcium soaps carrying said alcohols, and neutralizing the soaps, then drying the neutralized calcium soaps, extracting the lanolin alcohols from the neutralized calcium soaps by solvent action and precipitation of the calcium soaps in light flocculent form from a solution of the lanolin alcohols, thence removing solvent from said alcohols.

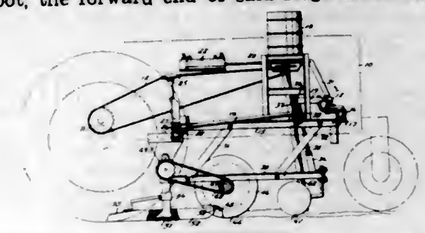
2,579,987
IMPROVED BALL MOUNT FOR FLUID METER VANES
Joseph L. Vincent, Chicago, Ill.
Application December 8, 1947, Serial No. 790,427
3 Claims. (Cl. 121—69)



1. In a water meter a pair of matching cages having aligned central apertures, ball seat inserts insertable into said apertures from the inner sides of said cages, one of said inserts being transversely adjustable with respect to the axis of the other insert to facilitate axial alignment of the inserts and locking means to hold the inserts rigidly in place.

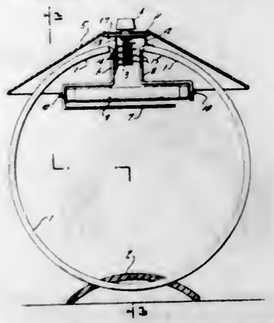
2,579,988
TRACTOR MOUNTED PLANTER
George L. Walburn, Auburn, Ind.
Application April 1, 1947, Serial No. 738,653
5 Claims. (Cl. 111—59)

4. In a planter attachment, the combination which comprises a mounting frame having means for attaching the frame to a tractor, soil gathering means carried by the frame, a flanged ridge forming wheel journaled in the frame and positioned to follow the said soil gathering means, a planter having a boot depending therefrom carried by the frame, a ridge holder and scraper channel shape in cross section carried by the boot of the planter and covering the lower end of the boot, the forward end of said ridge holder and



scraper extended into the said flanged wheel for scraping soil from the surface of the wheel, and a seed covering plate carried by the boot and positioned on the trailing end of the said holder and scraper.

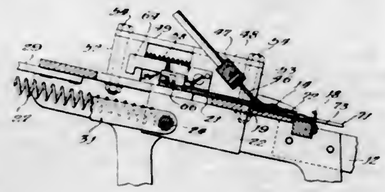
2,579,989
RADIO ENERGIZED LAMP
Nathaniel B. Wales, Jr., New York, N. Y.
Application December 1, 1949, Serial No. 130,421
1 Claim. (Cl. 315—188)



In a lamp structure adapted to be energized by absorbed radio-frequency energy, the combination comprising a lamp base, a substantially circular metallic arc secured at its mid-portion to said base, the upwardly extending arms of said arc lying in a vertical plane and forming an inductive loop member for absorbing said radio-frequency energy, a tubular gaseous discharge tube, two electrodes entering said tubular discharge tube at opposite ends thereof, a metallic member for securing each of said electrodes to the opposite ends of said arc whereby to support said tube and electrically connect it in parallel with said inductive arc member, an adjustable capacitance connected in parallel with said loop member, and a starting electrode located exterior to said discharge tube closely adjacent to one end thereof and electrically connected to that first said electrode lying at the opposite end of said discharge tube from said starting electrode.

2,579,990
BOBBY PIN SPREADING DEVICE
Ruth K. Weaver, Chicago, Ill., assignor to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Illinois
Application May 15, 1948, Serial No. 27,352
9 Claims. (Cl. 29—235)

9. In a device for mounting a group of bobby pins upon an oven wire, a supporting plate, a rod formed with notches at spaced intervals to arrange a group of bobby pins in spaced parallel relation upon said supporting plate, a pusher plate guided for reciprocable movement along said supporting plate to insert an oven wire between the legs of said group of bobby pins, a lifting plate disposed above said pusher plate to coact with the latter in opening the legs of said group of bobby pins, a pair of bearing blocks



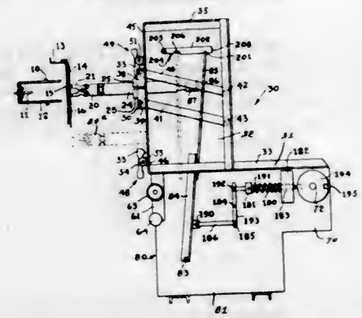
guided for common reciprocable movement along said supporting plate, said lifting plate being secured to a shaft journaled at its ends in said bearing blocks, means operable responsive to reciprocable movement of said pusher plate to reciprocate said bearing blocks, means to limit the forward travel of said bearing blocks, and resilient means to hold said bearing blocks in their forward position during subsequent forward movement of said pusher plate.

2,579,991
FISH LURE
Conrad Wood, El Dorado, Ark., assignor to Wood Manufacturing Company, El Dorado, Ark.
Application March 9, 1949, Serial No. 80,447
1 Claim. (Cl. 43—42.47)



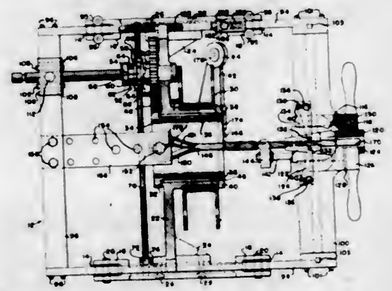
In a fish lure, a body portion constructed to simulate a fish, a wobble plate of spoon shape secured to one end of the body portion and extending downwardly and forwardly therefrom and having a transverse opening therein, an elongated bendable tab extending forwardly from the wobble plate, said tab being punched from the wobble plate providing a central opening in the wobble plate, said tab being extended beyond the surface of the wobble plate, said tab having an opening therein for receiving a fishing line, a guard plate curved to the curvature of the spoon shape of the wobble plate and fitted thereagainst substantially closing the central opening, one end of the guard plate being secured to the body portion, and the opposite end portion of the guard plate extending through the transversely disposed opening in the wobble plate and securing the free end of the guard plate to said wobble plate.

2,579,992
GROUND TESTING DEVICE
Joseph D. Wood, Strafford Village, Teddyffrin Township, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application February 26, 1947, Serial No. 731,165, now Patent No. 2,504,775, dated April 18, 1950. Divided and this application July 16, 1949, Serial No. 105,224
4 Claims. (Cl. 175—298)



1. In a ground testing device, groundable contact studs, a supporting mechanism therefor, a racking mechanism connected to said supporting mechanism for racking said studs into engagement with circuit terminals, a barrier for normally maintaining said studs inaccessible for grounding before said studs have been racked into contact engagement with said terminals, said barrier being movable to a position in which said studs are accessible, and a lock engaging said racking mechanism and connected to said barrier for preventing said racking mechanism from being operated while said barrier is in the position in which said studs are accessible.

2,579,993
SERVING MACHINE
Samuel J. Woods, Newport, R. I.
Application March 8, 1946, Serial No. 652,938
4 Claims. (Cl. 242—7)



1. A device of the character described, comprising a base, a carriage movable on said base, a hub formed on said base centrally thereof, a reel rotatably mounted on the hub on said base for carrying material to be served, a bar secured to said carriage and extending into said hub, a clamp secured to said carriage in opposed relation to said bar, said bar and said clamp adapted for holding a rope to be served longitudinally of said carriage, and a second hub rotatably mounted in said first hub, a gear formed on the

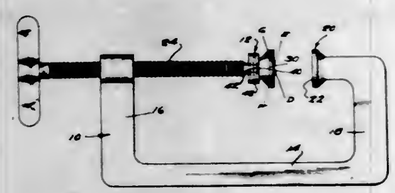
rear edge of said second hub, a screw carried by said base and said carriage, a second gear on said screw adapted for operational engagement with said first gear, a motor driven gear engageable with said second gear whereby said gears are adapted to rotate said second hub, a pulley carried by said second hub, a guide below said pulley on said second hub whereby the material to be served when trained through said guide and over said pulley will secure said material to said rope.

2,579,994
NEUTRON DENSITY INDICATOR DEVICE
Walter H. Zinn, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 3, 1945, Serial No. 576,124
7 Claims. (Cl. 250—83)



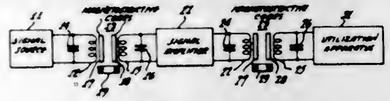
1. Neutron intensity indicating means comprising two members of dissimilar metals joined together to provide a thermocouple, said metals having low neutron capture properties and being capable of developing thermo-electromotive forces at a junction thereof, a coating of non-fissionable material having higher neutron capture properties than the thermocouple members disposed on at least one junction of the thermocouple members, thereby providing a hot junction for the thermocouple.

2,579,995
SEPARABLE PRESSURE PAD ATTACHMENT FOR C-CLAMPS
Elmer E. Atchison, Pomona, Calif.
Application September 2, 1948, Serial No. 47,357
1 Claim. (Cl. 144—304)



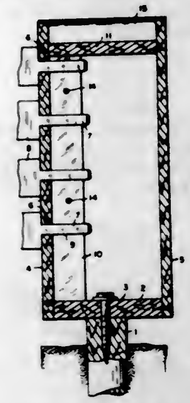
In a C-clamp having a screw formed with a spherical end-portion, a tip adapted to cooperative action with said screw, said tip being formed with opposite and parallel faces, one of said faces being a work surface, the other of said faces being formed with a semi-spherical recess adapted to be socketed with the spherical end-portion of said screw, an annular groove in said tip, and a collet, said collet being formed of a resilient circular band having upper and lower segmented flanges of unequal width, the segments of one of said flanges being adapted to be nested in the annular groove in said tip and the segments of the other of said flanges being adapted to engage the spherical end-portion of said screw whereby said tip is held in springable detachable relationship with respect to the screw.

2,579,996
FREQUENCY SELECTIVE SIGNAL AMPLIFYING SYSTEM
Loy E. Barton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 28, 1949, Serial No. 107,328
13 Claims. (Cl. 179—171)



1. An output coupling transformer for a source of signal-modulated carrier waves having a predetermined frequency band, said transformer comprising inductively coupled primary and secondary windings tuned for resonance in said predetermined frequency band, and electro-mechanical resonating cores for said respective windings, said cores being resonant respectively at different frequencies adjacent to and outside of said predetermined band of frequencies.

2,579,997
ROADSIDE SIGNPOST
Roy W. Bates, Rockwood, Mich.
Application February 25, 1947, Serial No. 730,695
10 Claims. (Cl. 40—65)

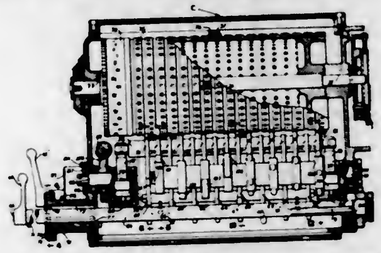


1. In a sign post, a pair of spaced uprights, one of which is formed with a row of vertically spaced apertures, a plurality of sign members laterally projecting from the apertured upright and disposed one above another and having elongated supporting shanks extending from their ends adjoining the apertured upright and removably inserted in said apertures, and spring means between said uprights for gripping said shanks to yieldably resist removal of the sign members.

2,579,998
LATHE CONTROL
Edward P. Bullard, III, Fairfield, and Claude M. Grinage, Bridgeport, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application March 9, 1945, Serial No. 581,772
9 Claims. (Cl. 137—144)

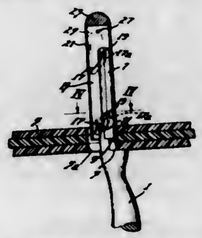
7. Control apparatus for a machine tool including sixteen fluid-control valves certain of which are adapted selectively to be operated individually and others are adapted to be operated

in combination; a separate tappet for each valve; an oscillatable shaft including tappet-operating means for four of said valves, said tappet-operating means being angularly disposed about the periphery of said shaft so that movement of said shaft to four different angular positions will operate four of said tappets individually; means providing for axial movement of said shaft so



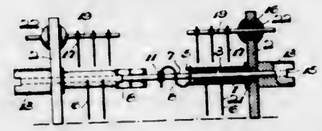
that said tappet-operating means is moved out of cooperating position relatively to said four tappets and into cooperating position relatively to four other of said tappets; another shaft adapted to be moved to at least sixteen different angular positions; and means on said other shaft for operating four other of said tappets in combination with each of the four remaining tappets.

2,579,999
PHONOGRAPH TURNTABLE SPINDLE
Alexander D. Burt, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 23, 1946, Serial No. 711,983
16 Claims. (Cl. 274—10)



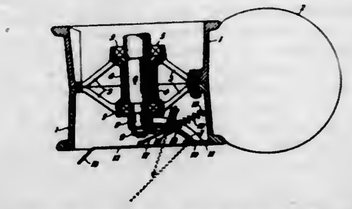
1. A turntable spindle for automatic phonographs which comprises a shank adapted to be mounted in concentric relation with a turntable and having a shoulder thereon, an extension beyond said shoulder, a head receiving said extension being movable laterally to and longitudinally along said extension, said head terminating at a point spaced from said shoulder a distance somewhat greater than the thickness of a record to be played, and cooperative means in said extension and said head for guiding said head laterally to and longitudinally along said extension to and from a first position nearest said shoulder eccentric thereto and a second position farthest from said shoulder concentric therewith, said head being of suitable length to receive a stack of unplayed records, an end one of which records may rest against said shoulder when said head is in said first position and which may be moved laterally off said shoulder to slide along said shank while said head prevents lateral movement of the other records of the stack, said cooperative means permitting said head to be moved to said second position when a record to be removed engages said head, whereby movement of such record along the entire length of said spindle for removal thereof from said spindle is accomplished.

2,580,000
VARIABLE CONDENSER AND DRIVE MEANS THEREFOR
Ralph R. Batcher, Douglaston, N. Y.
Application July 14, 1945, Serial No. 605,072
10 Claims. (Cl. 64—23)



1. In a coupling arrangement, mounting means, a driving shaft rotatably carried by said means, a hollow driven shaft rotatably carried by said means and concentrically surrounding said driving shaft over a portion of its length, and a resilient blade spring bent in S-shape connecting said driving shaft to said driven shaft, said blade spring being rigid in torsion and resiliently deformable in the longitudinal direction of said shafts.

2,580,001
AIR-COOLING APPARATUS FOR VEHICLE WHEELS
Henry James Butler, Sutton Coldfield, England, assignor to Dunlop Rubber Company Limited, a British company
Application September 20, 1949, Serial No. 116,707
In Great Britain September 23, 1948
8 Claims. (Cl. 188—264)

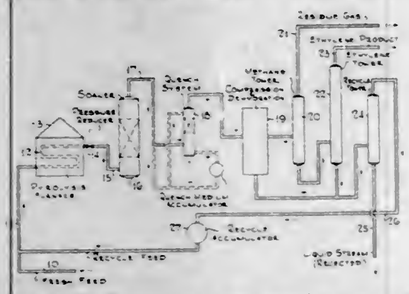


1. Apparatus for directing a cooling air stream into wheels which comprises a wheel rim, a non-rotating supporting bracket within said rim and a scoop pivoted on said bracket to swing from a position within said rim to a position extending outwardly and forwardly from the rear half of said rim.

2,580,002
PROCESS FOR THE PRODUCTION OF ETHYLENE
E. Wendell Carrier, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 24, 1949, Serial No. 134,987
7 Claims. (Cl. 260—683)

1. A process for the production of ethylene which comprises thermally cracking a gaseous hydrocarbon mixture containing ethane, propylene and a major portion of propane under a pressure of at least two atmospheres, reducing the pressure of the resulting hydrogen-containing thermally cracked products to about atmospheric pressure and discharging the hot thermally cracked gases into a soaking zone

charged with a hydrogenation catalyst containing an oxide of a 6th group metal, maintaining the thermally cracked gases in the soaking zone until the concentration of ethylene in the C_2 fraction of the cracked gas is substantially increased by a reaction mechanism involving a disappearance of ethane and hydrogen and a corresponding formation of methane, removing the cracked gases from the soaking zone and separating the ethylene therefrom.



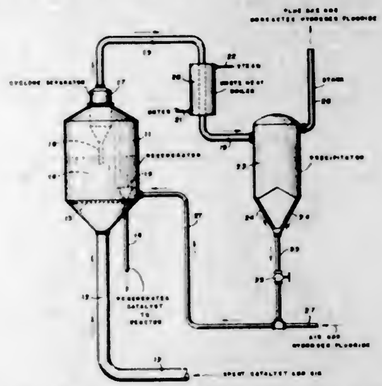
2,580,003
BOBBIN STRIPPING DEVICE
Leo Clark, Trenton, N. J.
Application May 20, 1949, Serial No. 94,399
10 Claims. (Cl. 139—262)



1. A bobbin stripping device comprising a stripping member and a discharge member, said stripping member having means thereon engageable by a tail of yarn on a bobbin to retain the yarn, said discharge member having a portion thereof positioned to be engaged by yarn on the stripping member, and means for relatively moving said members to collect yarn from a bobbin on the stripping member, said portion of the discharge member being inclined with respect to the stripping member in a direction to move the yarn thus collected lengthwise of the stripping member toward an end thereof for discharging the yarn from said end of the stripping member.

2,580,004
REMOVAL OF IRON FROM REGENERATED CRACKING CATALYST FINES
Hampton G. Cornell, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application February 6, 1950, Serial No. 142,657
9 Claims. (Cl. 252—415)

1. In a catalyst regeneration process in which a finely divided catalyst having particle diameters in the range between 0 and 200 microns is circulated from a regeneration zone to a cracking zone and from the cracking zone to the regeneration zone and wherein catalyst is subjected to a hot combustion supporting gas at a temperature no greater than 1200° F. in said regeneration zone and catalyst fines having a major portion comprising particle diameters in the range from 0 to 40 microns are discarded from said regeneration zone, the steps of recovering said catalyst fines, contacting said recovered catalyst fines at a temperature in the range between 400° to 700° F. with hydrogen fluoride and

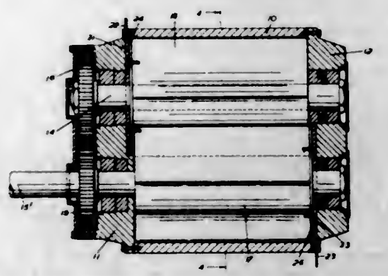


introducing said contacted fines and hydrogen fluoride into said regeneration zone.

2,580,005
EXTREME PRESSURE LUBRICATING COMPOSITIONS
Elmer B. Cyphers, Clark Township, Union County, and George M. McNulty, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1947, Serial No. 795,124
7 Claims. (Cl. 252—46.6)

6. A composition consisting essentially of a mineral base lubricating oil containing about 1 to 20% by weight, based on the total composition, of an extreme pressure additive, said additive consisting essentially of a sulfurized fatty oil treated with about 0.5 to 2%, based on the weight of said sulfurized oil, of a phosphorus sulfide at a temperature ranging between 170° to 210° F. for a period of about 15 minutes to one hour during which the phosphorus sulfide is substantially dispersed in said sulfurized fatty oil but substantially unreacted therewith, said composition including also about 0.1 to 2% of a metal deactivator.

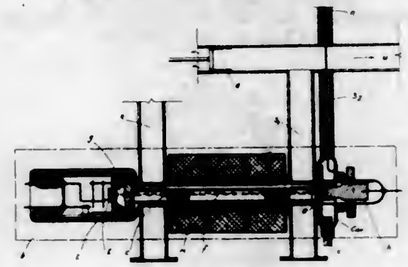
2,580,006
COMPRESSOR
Costin Lane Densham, Chaldon, England, assignor to Wade Engineering Limited
Application April 1, 1949, Serial No. 84,897
In Great Britain April 7, 1948
3 Claims. (Cl. 230—138)



1. A compressor comprising in combination a casing comprising side and end walls, said casing

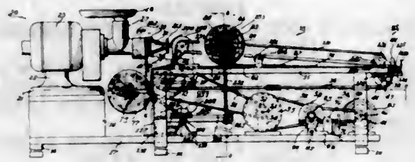
having at least one gas inlet passage in its side wall and having an outlet passage in each end wall, a pair of rotors each having mutually intermeshing lobes and recesses said recesses forming gas transfer chambers, gearing for causing the rotors to rotate in opposite directions in such timed relationship that a lobe on one rotor enters a recess on the other rotor after said recess has passed the end of the inlet passage and before it reaches the end of the outlet passage whereby gases are compressed during their transfer within said recess, each rotor having an integral ported web at one end, the webbed ends of the rotors being arranged at opposite ends of the casing, and the casing having a rotatably mounted ported plate at each end cooperating with the adjacent ported web of a rotor, and control means for adjusting the position of each ported plate within the casing whereby the timing of the overlap of the ports in said web and said plate may be adjusted.

2,580,007
AMPLIFYING AND OSCILLATING TUBE WITH TRAVELING WAVE CONTROL
Oskar Dohler, Harry Huber, and Werner Kleen, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application March 25, 1948, Serial No. 16,974
In France April 21, 1947
7 Claims. (Cl. 315—39)



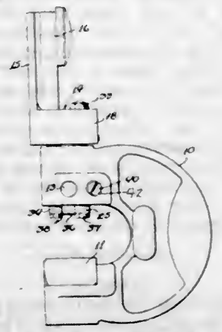
1. Ultra-short wave transmitting device comprising a travelling wave electron tube having means comprising a cathode and a collector provided with concentrating and biassing means for producing an electron beam propagating at a predetermined velocity between said cathode and said collector, a delay line extending parallel to the path of said electron beam, energizing means coupled with the input of said delay line for exciting a travelling wave therein, the said delay line being dimensioned in a predetermined manner so that the travelling wave propagation velocity is substantially equal to said electron velocity, whereby the beam current is radio-frequency controlled while the ultra-short wave energy is amplified along said delay line by interaction between the travelling wave and the beam, means comprising ultra-short wave conduit coupled with the output of said delay line for collecting ultra-short wave energy amplified therein, means comprising a cavity resonator coupled with said radio frequency controlled beam between said delay line output and said collector for collecting ultra-short wave energy contained in said beam, and means comprising an ultra-short wave conduit coupled with said resonator for withdrawing said beam energy.

2,580,008
MEANS FOR FORMING GROUND MEAT PATTIES
Frank S. Elsaesser, Cincinnati, Ohio
Application April 12, 1947, Serial No. 741,053
20 Claims. (Cl. 17—32)



1. In a ground meat patty forming machine the combination of a supporting table, a conveyor belt on said table movable relative thereto, a ground meat patty underlying paper layer on said conveyor belt movable with said conveyor belt, a paper roll at the end of the table for supplying said underlying paper layer, means for placing quantities of ground meat, each ground meat quantity sufficient to provide a patty, on the underlying paper layer and spaced from one another to provide a spacing between the patties, a second paper roll upstanding from said table supplying a covering paper for each portion of ground meat and the patty formed therefrom, means associated with the table supporting the bottom edge of the covering paper roll above the underlying paper layer and conveyor belt a distance equal to the desired thickness of the subsequently formed ground meat patty and said covering paper roll effecting the flattening or mashing of the ground meat portions into patties as the ground meat portions pass successively therebeneath, and a roller carried by the table in opposition to the covering paper roll cooperating therewith in effecting the mashing or flattening of the ground meat portions to ground meat patties as the ground meat portions successively pass beneath the said covering paper roll.

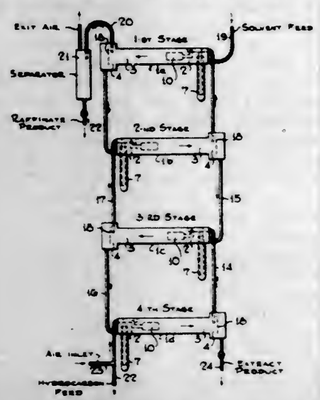
2,580,009
ADAPTER FOR SNAP GAUGES
Alfred H. Emery, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application October 28, 1949, Serial No. 124,092
5 Claims. (Cl. 33—147)



1. An adapter for an adjustable limit snap gage of the type having a U-shaped frame, an anvil mounted in the extremity of one of the arms of the frame and a pair of separated gaging pin mounting bores in the other arm of the frame, said adapter comprising, in combination, a bracket, means for adjustably supporting said bracket

from one of the gaging pin bores, an operating plunger extending through the second of said gaging pin bores, and means for supporting said operating plunger on said bracket.

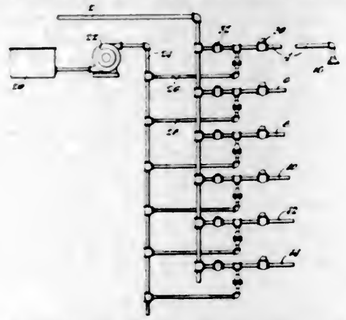
2,580,010
PROCESS AND APPARATUS FOR LIQUID-LIQUID EXTRACTION
Merrell R. Fenske, State College, and Bruce R. Tegge, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 27, 1948, Serial No. 23,446
7 Claims. (Cl. 196—14.49)



1. A process for contacting a liquid with another liquid incompletely miscible therewith which comprises flowing one of said liquids downwardly and the other of said liquids upwardly through a plurality of stages, each stage having a mixing zone, a settling zone, and a separating zone adjacent thereto and essentially on the same level, effecting contact of said liquids in each of said mixing zones by means of a gas, concurrently flowing said mixture of liquids and gas from each mixing zone into the adjacent settling zone, effecting separation of said mixture into two liquid phases and a gas phase, concurrently flowing said phases from each settling zone into the adjacent separating zone, flowing one of said liquid phases downwardly from the separating zone of each stage into the mixing zone of the stage next below, flowing the other liquid phase from the separating zone of each stage into the mixing zone of the next stage above, adding in said last named mixing zone said liquid thus upwardly flowed to the liquid flowing down from the next above separating zone, effecting the upward flow of other said liquid by means of substantially all of the said gas phase, separating the gas from the liquid thus upwardly transported and introducing this gas into the said two liquids to effect the mixing thereof.

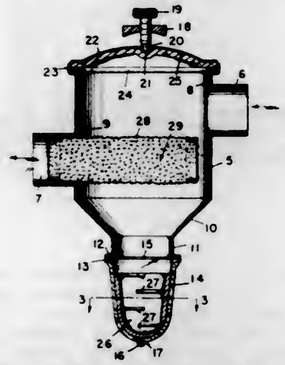
2,580,011
APPARATUS FOR PROPORTIONING LIQUIDS
Howard G. Freeman, Worcester, Mass., assignor to Rockwood Sprinkler Company, a corporation of Massachusetts
Application October 6, 1948, Serial No. 52,992
2 Claims. (Cl. 169—15)

1. A liquid proportioning system for a foam system comprising a main water supply line, under substantially constant water pressure, branch lines from the main line, each branch line having a check valve and a control valve on the discharge side of the check valve, a foam liquid supply, a foam pump for applying to the foam liquid a pressure substantially in excess of



the water pressure, foam lines for conveying foam liquid under pressure from the foam pump to the individual branch lines, each foam line being connected to its branch line between the check valve and the control valve, and throttling means having a fixed orifice in each foam line.

2,580,012
WATER FILTERING AND SEDIMENT REMOVING DEVICE
Antoine Gazda, Providence, R. I.
Application July 28, 1947, Serial No. 764,154
4 Claims. (Cl. 210—43)

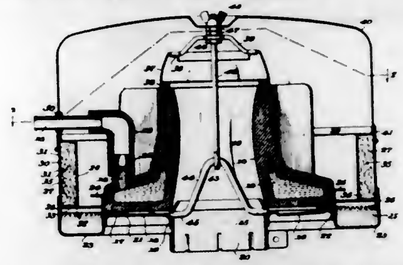


1. A water filtering and sediment removing device for water cooled internal combustion engines comprising a container having an inlet and an outlet to be connected in the water circulation system, said inlet and outlet being offset with respect to one another, a water filtering element in said container detachably secured to said outlet, a grease and oil absorbing element in said container and a sediment trap detachably secured to said container below said filtering and absorbing elements.

2,580,013
CLEANER AND HUMIDIFIER FOR CARBURETORS
Antoine Gazda, Providence, R. I.
Application May 12, 1949, Serial No. 92,805
2 Claims. (Cl. 183—19)

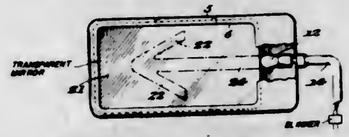
1. A humidifier an air filter for the air-intake of an internal combustion engine comprising a

support, an annular water reservoir on said support of porous material having an inner wall of Venturi configuration for enhanced suction action and an outer wall with fins for increased humidifying and cleansing action, an annular



oil tank secured to said support for oil to cleanse the air coming into contact with the upper surface thereof, an annular filtering element mounted on said tank and a cover enclosing said reservoir mounted on said filtering element.

2,580,014
COMBINED REARVIEW MIRROR AND DIRECTION INDICATING DEVICE
Antoine Gazda, Providence, R. I.
Application September 13, 1949, Serial No. 115,532
5 Claims. (Cl. 177—329)



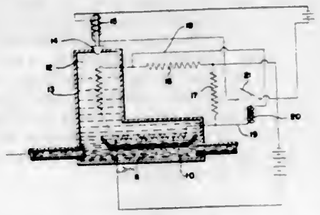
1. A combined signalling and rear view mirror comprising a frame, said mirror being transparent and located in said frame, a Lucite directional indicating member secured to said mirror and illuminating means for illuminating said Lucite member.

2,580,015
DIESEL FUEL
Richard S. George, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1947, Serial No. 795,137
5 Claims. (Cl. 44—57)

1. A liquid fuel composition for compression ignition engines comprising a predominant amount of hydrocarbon diesel fuel, and from about 0.25 to about 5.0% by weight, based on the total composition, of an α,α-dialkylarylmethyl hydroperoxide.

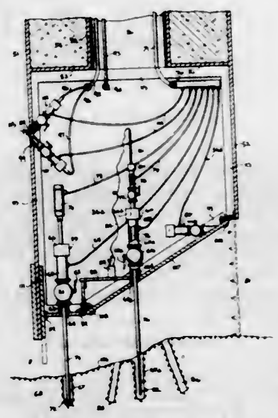
2,580,016
VAPOR TRAP
Stanley W. Gilbert, Middletown, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application January 2, 1945, Serial No. 571,079
4 Claims. (Cl. 137—68)

1. Apparatus for separating a vapor or gas from a liquid comprising a trap chamber, a vapor relief valve at the top of said chamber, an inlet near the bottom of said chamber, a first electrical resistance element submerged in said chamber near the bottom thereof, a second electrical resistance element mounted in said chamber near the top thereof, a normally balanced electrical bridge circuit including said first and second resistances, said circuit being unbalanced upon the



formation of vapor or gas adjacent said second resistance due to the different thermal conduction characteristics of said vapor and said liquid, and means responsive to unbalance of said circuit for opening said vapor relief valve.

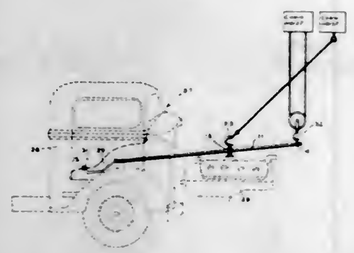
2,580,017
CAISSON
Charles Goodman, New York, N. Y.
Application December 19, 1947, Serial No. 792,752
1 Claim. (Cl. 61—81)



In an underground closed working chamber, the combination of, a normally closed valve secured on the wall of the working chamber at the inside thereof, said valve being adapted to be opened and then provide a passage from the inside of the working chamber to the outside, a casing secured on said valve, connected to a source of compressed air and adapted to communicate with said valve, and therethrough to the outside when the valve is open, an opening being provided in said casing opposite to the opening of said valve, a stuffing box in the opening of said casing adapted to permit a sealing sliding of a desired elongated instrument therethrough, means to control the entrance of compressed air into said casing, whereby the compressed air may be shut off from said casing and said instrument partly inserted through said stuffing box thereinto, then the valve opened and the compressed air permitted to pass into said casing and through said valve to the outside, and then the instrument advanced through the stuffing box, the casing and the valve to the outside.

said instrument having an inner controlling end portion projecting from the stuffing box, said instrument being in the form of a pipe passed through said stuffing box, said casing and said valve, from the inside of the working chamber to the outside thereof, a second normally closed valve secured on the inner end of said pipe, a second casing connected in a controlled manner to a source of compressed air on said second valve having a co-axial opening therewith, and a second stuffing box in said co-axial opening adapted to permit an elongated second instrument to sealingly slide through said second stuffing box, through said second casing, and through said second valve, and through said pipe to the outside under an outward air pressure.

2,580,018
MOTOR HANDLING DEVICE
Elmer W. Goebel and Gustav F. Kurz, St. Louis, Mo.
Application October 5, 1946, Serial No. 701,606
5 Claims. (Cl. 212—75)

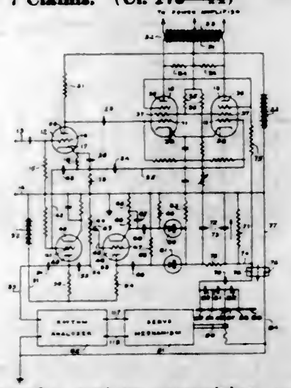


1. In a motor handling device, the combination comprising an elongated track, a hooked anchoring member with an opening in one end thereof attached to one end of said elongated track, an anchor rod insertable in said opening, a block attaching means movable along said track and a removable bail attachable to the other end of said track.

2,580,019
METHOD FOR WASHING BUTYL REACTORS WITH ISOBUTYLENE
Leslie R. Gould and Graham George Wanless, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 9, 1946, Serial No. 702,096
6 Claims. (Cl. 260—85.3)

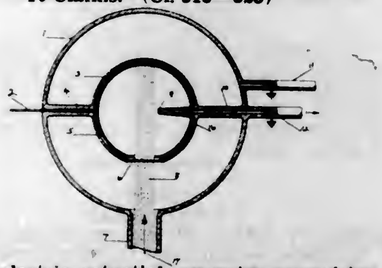
1. In a low temperature polymerization process in which isobutylene and a multi olefin are mixed, diluted, cooled to a temperature between —40° C. and —164° C. and polymerised by a Friedel-Crafts catalyst at low temperature to yield a polymer slurry, a portion of which adheres to the interior of the reactor, the steps in combination of displacing the cold reaction mixture at the end of the polymerization by a stream consisting of liquid isobutylene under pressure at a temperature between —6° C. and +30° C., circulating the warm isobutylene rapidly over the adherent polymer to solvate it and erode it by the flowing stream, carrying out from the reactor a stream of warm isobutylene containing portions of suspended solvated polymer; and thereafter displacing the warm isobutylene from the reactor by solvent naphtha.

2,580,020
VOLUME EXPANDER WITH TIMING CONTROL
John Hays Hammond, Jr., Gloucester, Mass.
Application January 6, 1948, Serial No. 755
7 Claims. (Cl. 178—44)



1. An expander system comprising an input circuit for supplying signals to be amplified and expanded in volume range, an amplifier stage connected to amplify said signals, a gain control circuit connected to said input circuit and having signal-responsive means, including a timing capacitance, responsive to the average volume level of the signal over a predetermined time period and connected to control the gain of said amplifier stage, variable timing means in said gain control circuit connected to control said time period, said variable timing means including a rhythm analyzer circuit including a low-pass filter network having an output voltage substantially directly proportional to frequency, said rhythm analyzer being connected to said input circuit and responsive to the rhythm frequency to develop a control voltage substantially directly proportional to said rhythm frequency, said timing means also including actuator elements responsive to said control voltage and connected to alter the timing capacitance in accordance with the rhythm frequency.

2,580,021
METHOD AND MEANS FOR GENERATING HIGH ELECTRICAL POTENTIAL
Russell Hart, Los Angeles, Calif.
Application February 17, 1947, Serial No. 728,971
10 Claims. (Cl. 313—325)



1. An electric potential generator comprising: a vacuum chamber; an insulated electrically charged electrode in said vacuum chamber; means for producing a stream of electrically charged particles adapted to bombard said electrode, the source of said electrically charged particles being external to said electrode, said electrically charged particles having electrical charges of the same sign as the electrical charge on said electrode.

2,580,022
STOCKING AND METHOD OF PRODUCTION
Thomas Leonard Hedgecock, Winston-Salem, N. C., assignor to Hanes Hosiery Mills Company, Winston-Salem, N. C., a corporation of North Carolina
Application October 23, 1948, Serial No. 56,068
3 Claims. (Cl. 66—184)



1. As a new article of manufacture, a seamless stocking having a tubular leg in which the fabric loops decrease in size from an upper portion of the stocking to the ankle; and a foot including a fashioned heel pocket; a tubular portion adjacent the heel in which the loops are gradually enlarged to a definite size, an intermediate longer tubular mid portion formed throughout of loops of said enlarged definite size, and a fashioned toe pocket.

2,580,023
COATING COMPOSITION
Kurt Helmholtz, Flensburg, Germany; Margarete Kitti Helmholtz, administratrix of said Kurt Helmholtz, deceased, assignor to Goodcliff-Eecen Industries Pty. Limited, Sydney, Australia, a corporation of New South Wales, Australia
No Drawing. Application May 11, 1950, Serial No. 161,469. In Germany May 23, 1949
12 Claims. (Cl. 260—738)

1. A coating composition comprising about 5 parts by weight of a chlorinated derivative of a material selected from the class consisting of rubber, and synthetic chlorinated polydiolefins, chlorinated to such a degree that the viscosity of a 25% solution in toluol is less than 40 seconds Saybolt, about 15 parts by weight of an organic solvent for the chlorinated rubber, about 80 parts by weight of a heavy metal powder selected from the class of metals consisting of lead, copper, zinc, chromium, cobalt, nickel and tin, and a catalyst functioning as an oxidation catalyst for the heavy metal powder and as a corrosion inhibitor when the coating composition is applied to a ferrous metal surface selected from the group consisting of the chlorides of osmium, ruthenium, rhodium, iridium, platinum and paladium and potassium osmiate, potassium rutheniate, potassium rhodiate, potassium iridiate, potassium platinate and potassium paladate, said catalyst in amounts of about 0.00025 to 0.0001 parts by weight of the total composition.

2,580,024
ADJUSTABLE GARMENT FOR CHILDREN
Morris Hoffman, Pottstown, Pa.
Application August 9, 1950, Serial No. 178,445
2 Claims. (Cl. 2—70)

1. In a garment for infants, young children and juniors, including an upper or shirt section and a trouser or lower section, and said lower section including a contractable strip at the rear waist line, two-part fastener means, respectively secured to said sections for detachably connecting them together in operative association; and an adjustable or removable waist section, also including a contractable strip at the rear waist



line insertable between the upper and lower garment sections, said waist-section having multiple, vertically and laterally spaced, two-part fastener means on the inner and outer faces thereof for selective engagement with the correlated mating fastener portions of the upper and lower sections of the garment, whereby said garment is adjustable lengthwise to accommodate growth of the wearer.

2,580,025
ANTIFOULING PIPE LINE ENAMEL
August Holmes, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 4, 1948, Serial No. 47,941
2 Claims. (Cl. 106—15)

1. An improved coating material suitable for employment in tropical waters which comprises from 0.5 to 5% of antimony oxide and from about 40 to 70% of a bituminous material having a softening point in the range from 200 to 250° F. and a filler.

2,580,026
LOST MOTION TORQUE TRANSMITTING MEANS
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application August 25, 1948, Serial No. 46,091
7 Claims. (Cl. 74—504)



1. Means for transmitting back and forth movement to a member to be actuated, comprising: a rotatable actuator; a driver having a central hub portion rotatably mounted on the actuator adjacent to one end thereof; a pair of arms on said hub portion embracing the actuator but spaced a distance from opposite sides thereof and extending longitudinally of the axis of the actu-

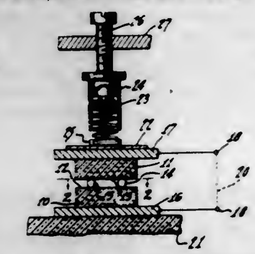
ator beyond said end thereof for the reception therebetween of the member to be actuated; a substantially flat spring clip fixed on the actuator to rotate therewith, said spring clip having a base portion spaced a distance from one side of the actuator, and tines projecting from said base portion and sprung around the exterior of the actuator with their extremities projecting a distance from the opposite side of the actuator, said tines having inner edge portions engaged in slots in the exterior of the actuator to constrain the clip to rotate with the actuator and hold the clip against axial motion relative to the actuator, and having outer edge portions lying between said hub portion on the driver and the adjacent end of the actuator to preclude axial displacement of the driver from said end of the actuator; and circumferentially spaced shoulders on portions of the spring clip remote from the exterior of the actuator engageable with the arms on the driver to impart rotation thereto in consequence to rotation of the actuator.

2,580,027

LINE-CONTACT SEMICONDUCTOR DEVICE

Harwick Johnson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 23, 1950, Serial No. 191,590
6 Claims. (Cl. 175—366)



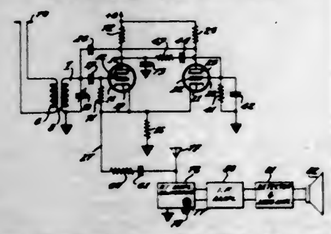
1. A semi-conductor device comprising two bodies of semi-conducting material, each having a surface, said surfaces facing each other, at least two filamentary conductors provided between said surfaces of said bodies, said conductors being disposed substantially parallel and closely adjacent to each other, each forming an electrode, an additional electrode in low-resistance contact with another surface area of each of said bodies, and means for providing intimate contact between each of said conductors and said bodies.

2,580,028

SUPERREGENERATIVE RECEIVER

Winfield R. Koch, Mariton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 28, 1948, Serial No. 4,872
2 Claims. (Cl. 250—20)



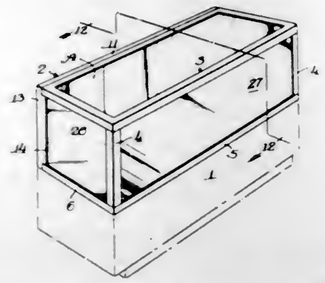
1. A method of demodulating an amplitude-modulated carrier wave which comprises regenerating said wave and interrupting the regeneration periodically at a constant super-audible frequency, controlling the frequency of the developed quench current in accordance with variations of the amplitude of said wave, selecting a harmonic of said frequency-modulated quench current, and demodulating said harmonic to develop the modulation signal.

2,580,029

SHOWCASE

Carl Krauss, Chicago, Ill.

Application July 11, 1946, Serial No. 682,895
6 Claims. (Cl. 312—114)



2. A metal knockdown show case of the type adapted to be readily assembled upon a base, comprising a back frame having a top, bottom and side rails joined together into a preformed and permanent assembly and each provided with inwardly opening spaced channels for the reception of sliding panels, a front and a pair of side channel members adapted to be attached at the inner ends to the back frame and thereat provided with interlocking projections for rigid assembly, channeled uprights secured to the corners of the front and side channel members, glass panels inserted from the top into the channels provided therefor, each upright including an outer angle member reduced at its opposite ends and an inner stop member for receiving and retaining therebetween the vertical edges of adjacent panels with the lower reduced ends secured in the corners of the front and side channel members, means for anchoring the lower reduced ends in the connecting channels of the front and side channel members, and a preformed top frame secured at the front to the reduced ends of the uprights and at the rear to the back frame and adapted to receive a glass top.

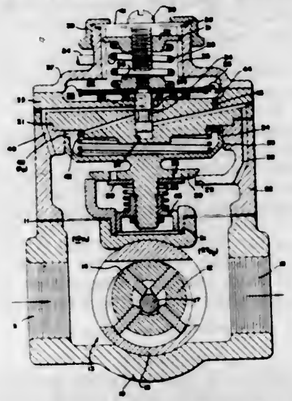
2,580,030

PRESSURE REGULATING APPARATUS

Leighton Lee, II, West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Application March 24, 1945, Serial No. 584,554
14 Claims. (Cl. 103—42)

1. Apparatus for regulating the pressure at the discharge outlet of a pump, comprising a relief valve for passing fluid from the outlet to the inlet of said pump, fluid motor means for operating said relief valve including an expansible chamber having a movable wall and a connection between said wall and said valve, pilot valve means for controlling said fluid motor means and operable selectively to connect said chamber to the outlet and inlet of said pump and thereby to cause expansion and contraction, respectively, of said chamber, and pressure responsive means subject



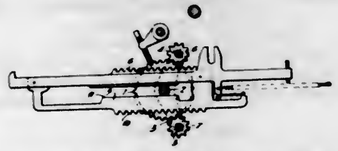
to said pump discharge pressure for operating said pilot valve means.

2,580,031

ACCUMULATOR ENGAGING MECHANISM FOR ADDING AND SUBTRACTING MACHINES

Gustaf Vilhelm Liljeström, Atvidaberg, Sweden, assignor to Aktiebolaget Åtvidabergs Industries, Atvidaberg, Sweden, a joint-stock company of Sweden

Application February 18, 1948, Serial No. 9,058
In Sweden October 1, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 1, 1966
3 Claims. (Cl. 235—60)



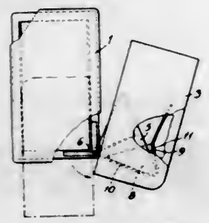
1. In an adding, accounting and similar machine, in combination, operation selection keys, a driving shaft, a register with totalizer wheels, a motion transfer mechanism between said driving shaft and said totalizer wheels of said register, said motion transfer mechanism comprising a plurality of cam disks arranged on said driving shaft, one cam disk corresponding to each operation selection key, each of said cam disks being arranged to actuate a corresponding motion transfer device, normally at rest but settable to operative position by depression of said corresponding operation selection key, each of said motion transfer devices comprising two levers rockable on a common stationary fulcrum, one of said levers being actuated upon by the cam disk and swinging to and fro when the driving shaft rotates, said lever being releasably connected with the other one of said levers by means of a connecting pin settable to two different positions by means of the corresponding operation selection key at the depression of said key, said pin sliding in the stem part of a T-shaped slot in the lever actuated by the cam disk, said pin also sliding in a slot in the other one of said levers, the cross part of said T-shaped slot being so arranged that when said operation selection key is in its normal position, the pin is situated in the cross part of the T-shaped slot, thereby permitting the cam actuated lever to swing to and fro while the other lever is at rest, said pin being arranged to enter the end of the stem part of the T-shaped slot upon the depression of said operation selection key, thereby connecting the levers to rock in unison around their common fulcrum under the actuation of said cam disk, the unit of levers thereby actuating said register.

2,580,032

SLIDING EXTENSION LEAF FOR TABLES AND CABINETS

Tore H. Lindelöf, Stockholm, Sweden

Application November 17, 1949, Serial No. 127,883
In Sweden November 17, 1948
4 Claims. (Cl. 311—16.5)



1. In combination with a table, cabinet or the like having a partition therein, a slide adapted to be slid into and out of the partition, guide means in the partition to guide said slide for horizontal movement into and out of the partition, cam members on the lower side of said slide, a vertical pivot near the outer edge of one side wall of said partition, a bracket journalled on said pivot and including a horizontal carrying surface adjacent to the lower side of said slide when located in the partition, said bracket including means engaging said cam members when the slide is drawn outwards from the partition thereby to cause the bracket to swing on the pivot, and connecting members on the slide and the bracket constructed and positioned to engage each other when the slide is drawn out of the partition and out of engagement with the guide means in the partition.

2,580,033

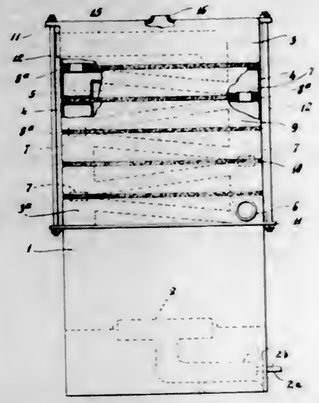
HEATER

Joseph H. Loweth and John E. Scharff, New Rochelle, N. Y.

Application August 15, 1946, Serial No. 690,746
2 Claims. (Cl. 122—214)

1. A heater comprising a base enclosing a combustion chamber, a fuel burner in said chamber, and sections mounted in superposed relation upon said base, each of said sections comprising two straight headers at opposite ends, tubes connecting said headers, the tubes of each section being inclined and uniting the lower part of one header thereof to the upper part of the other header, side walls connecting the ends of the headers of each section to enclose the space in which said tubes are disposed, said walls being hollow and some being L-shaped in cross section, the tubes of each section being inclined in the opposite direction and staggered with respect to the tubes of an adjacent section, the header which has conduits joined to its upper part being directly below the header in the section next above it, the

tubes of the last named section being joined to the lower part of the last-named header, said last-named two headers having nipples to put them directly into communication with each



other, said headers having transverse openings in their outer face adjacent the bottom, one opening in each section being in line with the lower ends of the tubes.

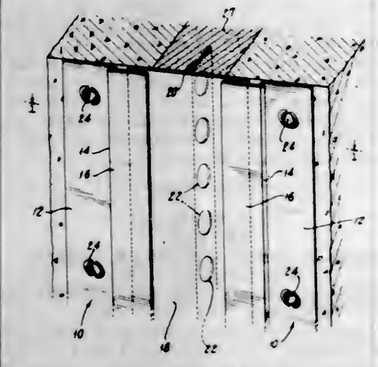
2,580,034

COVERED EXPANSION JOINT

Richard T. Lyons, Toronto, Ontario, Canada, assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

Application December 18, 1948, Serial No. 66,014

3 Claims. (Cl. 72—186)



3. A structure comprising vertically disposed masonry structural units having laterally adjacent vertical surfaces, an expansion joint between said structural units having a vertical face disposed between the vertical surfaces of said units, a resilient, flowable expansion joint sealing composition in said joint, a plurality of elongated guide elements of substantially Z-shaped cross-section removably secured along one surface thereof to the said vertical surfaces of the masonry units in vertically-superposed relationship adjacent the said expansion joint and substantially parallel to the sides of the said vertical face of said joint, whereby to form an elongated channel between the vertical surfaces of the said structural units and the surfaces of said guide elements parallel thereto, and a plurality of vertically superposed covering units for the vertical face of the expansion joint, each of said covering units comprising a substantially flat elongated body portion positioned within said channel across the vertical face of the expansion joint and a perpendicular longitudinal web extending into and embedded in said sealing composition, said body portion having a thickness less than the depth of said channel whereby to permit limited outward movement of the said body portion from the vertical face of the joint during periods of expansion of the masonry units and lateral movement of said sealing composition out of the vertical face of said joint but preventing displacement of said sealing composition from said joint.

2,580,035

METHOD OF IMPROVING FLOW PROPERTIES OF ASPHALT

Charles Mack, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 2, 1948, Serial No. 63,189

1 Claim. (Cl. 106—273)

The method of improving the flow properties of an asphalt not having Newtonian flow properties which consists of mixing in said asphalt from 0.5 to 5% of alpha-nitro-naphthalene.

2,580,036

RUST INHIBITING COMPOSITION

Alfred H. Matuszak, Jersey City, and James W. Hand, Jr., Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 27, 1948, Serial No. 62,416

2 Claims. (Cl. 252—51.5)

1. A mineral lubricating oil containing dissolved therein 0.01% to 10% of pentaerythritol mono-oleate and 0.001% to 5% of propylene diamine.

2,580,037

PROCEDURE FOR MAKING SLIP-LASTED SHOES WITH FULL-LENGTH SOCK LINING AND PREFORMED COUNTER

Jack Meltzer, Los Angeles, Calif.

Application June 10, 1950, Serial No. 167,348

4 Claims. (Cl. 12—142)



1. In a procedure for making a slip-lasted shoe, the sequence of steps which includes stitching a counter-covering element to an upper but only along the top edge of the element, thereafter stitching a platform wrapper to the lower edge of the element, subsequently stitching the side edges of said element to the upper, thereby attaching said element to the upper along all sides except its bottom edge and forming a pocket between said upper and said counter-covering element open only along said bottom edge, and thereafter inserting a counter into said pocket.

2,580,038

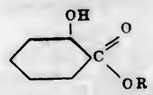
MINERAL OIL CONTAINING RESINIFIED ESTERS OF SALICYLIC ACID

Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 30, 1949, Serial No. 119,019

2 Claims. (Cl. 252—57)

1. A lubricating oil composition consisting essentially of a major proportion of a mineral lubricating oil base stock having combined therein a minor proportion of a product formed by subjecting the compound having the general formula:



wherein R is a primary straight chained aliphatic hydrocarbon radical containing from 8 to 24 carbon atoms, to a temperature within a range of from about 50° to about 250° C. for a period of time within a range of from about 2 to about 20 hours in the presence of an equimolar proportion of formaldehyde.

2,580,039

METHOD OF PRODUCTION OF AN IRON CATALYST FOR HYDROCARBON SYNTHESIS

Robert C. Morbeck, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 16, 1948, Serial No. 49,641

4 Claims. (Cl. 260—449.6)

1. An improved process for converting carbon monoxide and hydrogen into valuable normally liquid hydrocarbons and oxygenated organic compounds which comprises contacting carbon monoxide and hydrogen in synthesis proportions and at temperatures in the range of from about 675° to 750° F. with a dense turbulent mass of finely divided reduced fresh red iron oxide particles of fluidizable size sintered in an atmosphere of hydrogen at a temperature of from about 1550° to 1650° F., said sintering being subsequent to reduction and said catalyst being promoted with a minor amount of an alkali metal carbonate promoter.

2,580,040

HIGH VISCOSITY DISPERSIONS OF RUBBERY MATERIALS

Robert E. Munsell, Morris Plains, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

No Drawing. Application July 3, 1948, Serial No. 37,080

4 Claims. (Cl. 260—8)

1. A viscous rubbery dispersion having a viscosity of at least 10,000 centipoises and comprising a rubbery material from the group consisting of natural rubber, polymerized 2-chlorobutadiene-1,3 and butadiene styrene copolymers dispersed in an aqueous medium, said dispersion consisting predominantly of solids, the rubbery material representing the major proportion of the solids, and containing from .5% to 3% of casein and from .1% to .6% of an alkaline buffer salt based on the weight of the rubbery material and being characterized by good viscosity stability, the viscosity of said dispersion remaining substantially unchanged over a period of several days.

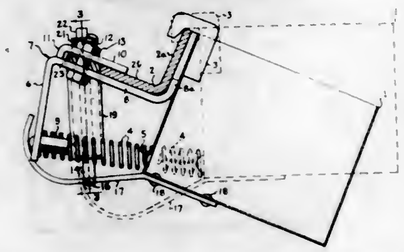
2,580,041

AUTOMATIC DEPLETION INDICATING SUPPORT FOR CONTAINERS

Allan K. Neilson, Highland Park, Mich.

Application December 10, 1947, Serial No. 790,883

12 Claims. (Cl. 248—146)



12. In a depletion indicating mechanism, the combination with a container having in its upper portion an opening for inserting and removing material, a support for the container, means for pivoting the container on the support in a laterally offset relation to the center of gravity of the container, a bracket fixed on the support and having a downwardly projecting leg, a spring compressed between said leg and the container and urging the container about its pivot toward a raised position, said spring being effective only upon a predetermined depletion of the container contents, and a detent carried by said support and opposing a predetermined resistance to actuation of the container by the spring.

2,580,042

ORTHODONTIC APPARATUS

Povel N. Paus, Rostockgarden, Drammen, Norway

Application September 24, 1949, Serial No. 117,654

In Norway January 24, 1949

3 Claims. (Cl. 32—14)



1. An apparatus for orthodontic work, comprising in combination a rigid hoop arranged along the arc of the teeth, a sleeve slidable on an end portion of said hoop, a stop on the hoop spaced inwardly from the end portion, a helical spring arranged between said sleeve and said stop urging the sleeve away from said stop, a bracket connected with a tooth to be subjected to orthodontic work, and a hinge connection between said sleeve and said bracket so that the tooth in question is subjected to a combined displacing and rotating force, the axis of the hinge connection being parallel to the tooth axis.

2,580,043

COMBINATION CARTON AND WRAPPER FOR FRAGILE ARTICLES

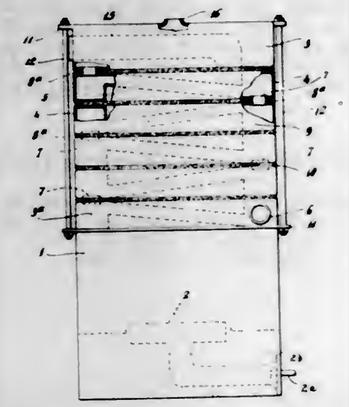
Richard E. Paige, New York, N. Y.

Application January 12, 1946, Serial No. 640,806

5 Claims. (Cl. 229—14)

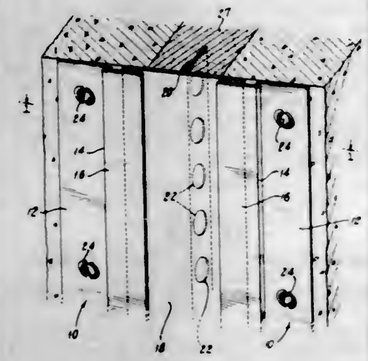
1. A packing for articles having portions reduced in size between ends, comprising tubular

tubes of the last named section being joined to the lower part of the last-named header, said last-named two headers having nipples to put them directly into communication with each



other, said headers having transverse openings in their outer face adjacent the bottom, one opening in each section being in line with the lower ends of the tubes.

2,580,034
COVERED EXPANSION JOINT
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Application December 18, 1948, Serial No. 66,014
3 Claims. (Cl. 72—106)



3. A structure comprising vertically disposed masonry structural units having laterally adjacent vertical surfaces, an expansion joint between said structural units having a vertical face disposed between the vertical surfaces of said units, a resilient, flowable expansion joint sealing composition in said joint, a plurality of elongated guide elements of substantially Z-shaped cross-section removably secured along one surface thereof to the said vertical surfaces of the masonry units in vertically-superposed relationship adjacent the said expansion joint and substantially parallel to the sides of the said vertical face of said joint, whereby to form an elongated channel between the vertical surfaces of the said structural units and the surfaces of said guide elements parallel thereto, and a plurality of vertically superposed covering units for the vertical face of the expansion joint, each of said covering units comprising a substantially flat elongated body portion positioned within said channel across the vertical face of the expansion joint and a perpendicular longitudinal web extending into and embedded in said sealing composition, said body portion having a thickness less than the depth of said channel whereby to permit limited outward movement of the said body portion from the vertical face of the joint during periods of expansion of the masonry units and lateral movement of said sealing composition out of the vertical face of said joint but preventing displacement of said sealing composition from said joint.

2,580,035
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1 Claim. (Cl. 106—273)

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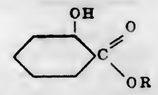
2,580,037
PROCEDURE FOR MAKING SLIP-LASTED SHOES WITH FULL-LENGTH SOCK LINING AND PREFORMED COUNTER
Jack Meltzer, Los Angeles, Calif.
Application June 10, 1950, Serial No. 167,348
4 Claims. (Cl. 12—142)



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2,580,038
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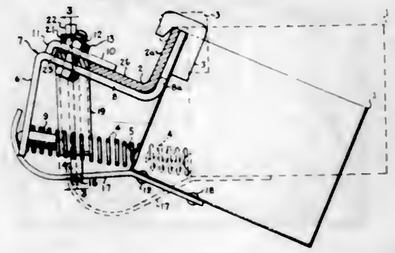
2,580,039
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Robert C. Morbeck, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
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4 Claims. (Cl. 260—449.6)

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2,580,040
HIGH VISCOSITY DISPERSIONS OF RUBBERY MATERIALS
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4 Claims. (Cl. 260—8)

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2,580,041
AUTOMATIC DEPLETION INDICATING SUPPORT FOR CONTAINERS
Allan K. Neilson, Highland Park, Mich.
Application December 10, 1947, Serial No. 790,883
12 Claims. (Cl. 248—146)



12. In a depletion indicating mechanism, the combination with a container having in its upper portion an opening for inserting and removing material, a support for the container, means for pivoting the container on the support in a laterally offset relation to the center of gravity of the container, a bracket fixed on the support and having a downwardly projecting leg, a spring compressed between said leg and the container and urging the container about its pivot toward a raised position, said spring being effective only upon a predetermined depletion of the container contents, and a detent carried by said support and opposing a predetermined resistance to actuation of the container by the spring.

2,580,042
ORTHODONTIC APPARATUS
Povel N. Paus, Rostockgarden, Drammen, Norway
Application September 24, 1949, Serial No. 117,654
In Norway January 24, 1949
3 Claims. (Cl. 32—14)

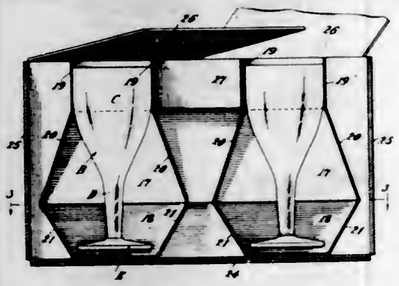


1. An apparatus for orthodontic work, comprising in combination a rigid hoop arranged along the arc of the teeth, a sleeve slidable on an end portion of said hoop, a stop on the hoop spaced inwardly from the end portion, a helical spring arranged between said sleeve and said stop urging the sleeve away from said stop, a bracket connected with a tooth to be subjected to orthodontic work, and a hinge connection between said sleeve and said bracket so that the tooth in question is subjected to a combined displacing and rotating force, the axis of the hinge connection being parallel to the tooth axis.

2,580,043
COMBINATION CARTON AND WRAPPER FOR FRAGILE ARTICLES
Richard E. Paige, New York, N. Y.
Application January 12, 1946, Serial No. 640,806
5 Claims. (Cl. 229—14)

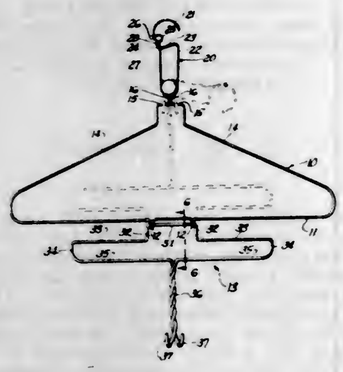
1. A packing for articles having portions reduced in size between ends, comprising tubular

wrappers each with alternating indented and bulging sides, the indented sides of each wrapper being separated by a narrow space for containing the reduced portion of said article therein, the indented and bulging sides intersecting in lines having portions extending in different directions towards the opposite lateral edges of the wrapper and lying in planes extending at right angles to



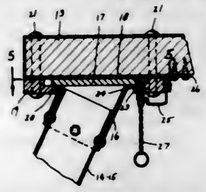
one another when said wrapper is attached to said article, and a receptacle having square corners containing said wrappers with the articles therein, said wrappers being in diagonal positions, each wrapper having one of its bulging sides at the center of the receptacle, the wrappers being in contact at said center, and the opposite bulging side making contact with the inside of the receptacle at the corners thereof.

2,580,044
GARMENT HANGER
Chester J. Raiche, Chicago, Ill.
Application December 2, 1948, Serial No. 63,003
3 Claims. (Cl. 223—90)



1. A garment hanger comprising a hanger section provided with upper and lower portions, a garment clamping section, means pivotally securing the upper end of the clamping section to the lower portion of said hanger section at the intermediate portions of said sections whereby the clamping section can be swung forwardly and upwardly from a pendant position below said lower portion of the hanger section to a position substantially co-planar with the hanger section between the upper and lower portions thereof, said clamping section comprising opposed portions extending laterally of said pivotal means and spaced from said lower portion of the hanger section for accommodating therebetween the free front edges of an open front garment upon the hanger section whereby when said clamping section is in said upper position it exerts a clamping action on the portions of the garment disposed between said sections, and a member depending from the clamping section when the latter is in non-clamping pendant position and provided with releasable latching means for engaging the upper portion of the hanger section when said clamping section is in the upper position for releasably latching the clamping section in said upper position.

2,580,045
STEPLADDER
Ancil O. Reed, Indianapolis, Ind.
Application January 12, 1948, Serial No. 1,724
2 Claims. (Cl. 228—29)

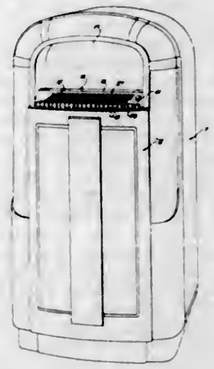


1. A step ladder comprising a pair of front supporting legs joined in spaced relation by a series of steps secured thereto, a top platform secured adjacent its forward corners to the upper ends respectively of said legs, a pair of rear bracing legs, and means for selective angular adjustment of each of said rear legs relative to said front legs and to each other, said means comprising a ring secured to the underside of said platform adjacent each of its rearward corners, said rings each having an inwardly extending annular flange normally spaced from said platform, a swivel plate rotatably mounted between said platform and each of said respective flanges and provided with a series of arcuately spaced apertures, and an angularly extending socket secured to each of said swivel plates for receiving and having rigidly secured thereto the upper end of one of said rear bracing legs to permit free rotation thereof about a vertical axis at a fixed angle thereto, and a latching element movable in and out of latching engagement within said apertures for locking said plate and leg in a selected position.

2,580,046
INDICATOR
David C. Rockola, Chicago, Ill., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application July 5, 1946, Serial No. 681,459
2 Claims. (Cl. 116—130)

1. In a multi-record phonograph having a record-housing cabinet, a closure member therefor, and a plurality of manually operable control members mounted on said closure member for individually controlling the selection of a particular record to be played, an indicator unit mounted on said closure member, comprising a main frame member having a plurality of elongated apertures each terminating adjacent one of said control members, an auxiliary frame member removably mounted in said main frame member, a

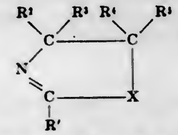
plurality of indices individually identifying the different records in the phonograph, means for removably retaining said indices on said auxiliary frame member to facilitate rapid changing thereof when said auxiliary frame member is separated from the unit and operable with said auxiliary frame member to visually align said indices with



the apertures in said main frame member when said auxiliary frame member is mounted therein, and latching means for retaining said auxiliary frame member in said main frame member and manually releasable when said closure member is open to facilitate ready removal of said auxiliary frame member.

2,580,047
PREPARATION OF IMIDO ESTERS FROM AZOLINES AND MALEIC ADDUCTS OF FATTY ACID ESTERS
Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 1, 1950, Serial No. 147,147
15 Claims. (Cl. 260—326.5)

1. A process for the preparation of new imidoesters, which comprises chemically combining, at a temperature from 20° C. to 300° C., (1) maleic anhydride-adducts of esters of non-conjugated, non-hydroxylated, unsaturated, aliphatic, carboxylic acids containing 10 to 24 carbon atoms, said adducts containing one to six anhydride groups per molecule, with (2) azolines of the general formula

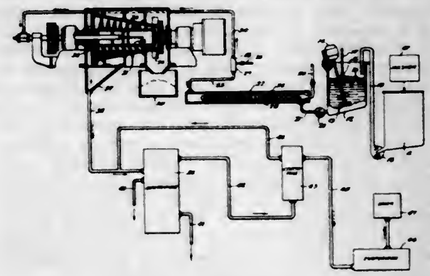


in which X represents an atom of an element from the class consisting of oxygen and sulfur; R^2, R^3, R^4 and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, aralkyl, alkaryl and cycloalkyl groups; and R' represents a member of the class consisting of alkyl, aryl, aralkyl, alkaryl and cycloalkyl groups and monounsaturated and diunsaturated aliphatic hydrocarbon groups containing not more than seventeen carbon atoms.

2,580,048
FUNGICIDAL EMULSION COMPRISING A COPPER SALT OF AN ALKYLATED PHENOXY ACETIC ACID
Albert J. Shmidl, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application April 12, 1948, Serial No. 20,590
4 Claims. (Cl. 167—30)

1. An emulsion suitable for controlling the growth of fungus on plants in an active state of growth which consists of an intimate admixture of a copper salt of an alkylated phenoxy acetic acid characterized by having at least one alkyl radical on the aromatic nucleus, said radical having from one to four carbon atoms, said aromatic nucleus being free from substituent groups other than said alkyl radical, a wetting agent, a heavy oil, and water.

2,580,049
PREPARATION OF GELATIN
Robert H. Sifferd, Clarendon Hills, and Lindson P. Anderson, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
Application September 18, 1947, Serial No. 774,797
4 Claims. (Cl. 260—118)



4. In a process for recovering edible gelatin from collagen bearing material, the steps of comminuting the material, flash heating said material at a temperature of about 212° to 320° F. under pressure while passing the material in the form of an aqueous slurry continuously through an elongated zone of restricted cross-section and while maintaining said material in turbulent agitation by means of a plurality of steam jets within said restricted zone, whereby said material is uniformly heated and the collagen in said collagen bearing material is hydrolyzed to gelatin without any substantial portion of the collagen being hydrolyzed beyond the gelatin stage, reducing said pressure to about atmospheric, continuously separating the resulting material into substantially solid and liquid fractions, and separating the gelatin from the liquid fraction.

2,580,050
TOUGH STYRENE-OLEFIN COPOLYMERS CONTAINING TWO TO TEN PER CENT OF WAX
William J. Sparks, Cranford, and Paul E. Hardy, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1944, Serial No. 570,485
4 Claims. (Cl. 260—28.5)

1. An article comprising a self-sustaining film consisting essentially of 2% to 10% by weight of

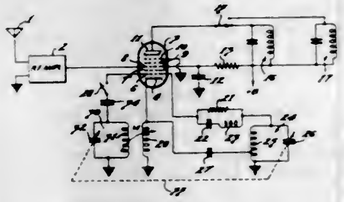
a microcrystalline petroleum wax and the remainder a copolymer of a styrene and isobutylene, said copolymer having an intrinsic viscosity in the range of approximately 0.6 to 3.0 and containing about 50% to 60% by weight of combined styrene.

2,580,051

FREQUENCY CONVERTER AND OSCILLATOR CIRCUIT

Alton John Torre, Westmont, and Loren Robert Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application March 26, 1948, Serial No. 17,174
13 Claims. (Cl. 250—20)



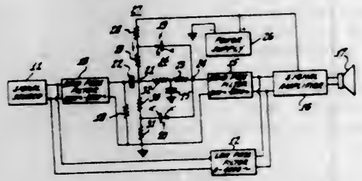
12. An oscillation generator comprising a space discharge tube having a control grid, an anode and a cathode, a high-frequency oscillatory circuit coupled to said grid, a low-frequency oscillatory circuit coupled to said grid, circuit means for providing a feedback between said low-frequency oscillatory circuit and said cathode, switch means in said low-frequency circuit for selectively disconnecting said low-frequency circuit to condition said generator to generate high-frequency oscillations, and a reactive impedance element connected to said cathode in series with said high frequency oscillatory circuit for minimizing the effect of said high frequency circuit when said low-frequency circuit is connected to said generator to generate low-frequency oscillations.

2,580,052

NONLINEAR SIGNAL TRANSMISSION SYSTEM

Alton J. Torre, Westmont, and Loren R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application June 24, 1949, Serial No. 100,988
2 Claims. (Cl. 178—44)



1. In a signaling system including a source of alternating voltages of variable amplitude, a band pass filter circuit having an input circuit connected to said source and an output circuit, an amplitude discriminating circuit comprising a pair of shunt-connected, oppositely poled nonlinear unilaterally conducting devices, each having the property of being substantially non-conducting when energized by a voltage of predetermined polarity and relatively small magnitude and highly conducting when energized by voltages of opposite polarity, a source of unidirectional voltage of relatively large magnitude, a network for deriving from said unidirectional voltage source a voltage of said predetermined polarity and relatively small magnitude, said network comprising a relatively high resistance bleeder connected across said unidirectional voltage source, said bleeder including a relatively low resistance section comprising two substantially equal serially connected resistors, connected to said unilaterally conducting device for impressing said relatively small voltages upon said devices, an input load impedance device connected to said output circuit, a capacitor connected between said input load impedance device and the junction of said low resistance resistors and isolating said impedance device from unidirectional currents of said network, and a return path for unidirectional network current including an output load impedance device of a magnitude several times said input impedance, said output load impedance including a pair of serially connected resistors connected between the junction of said low resistance resistors and the junction of said pair of unilateral conducting devices, and a capacitor connected between the junction of said output load impedance resistors and one terminal of said source of unidirectional voltage, and a band pass filter circuit having a characteristic substantially identical to said first band pass filter circuit and having an input circuit connected to said unilateral conducting device junction and said one terminal of said source of unidirectional voltage and an output circuit.

2,580,053

MINERAL OIL CONTAINING COPOLYMERS OF ALPHA-BETA UNSATURATED DICARBOXY ESTERS WITH ALPHA-BETA UNSATURATED MONOCARBOXY ACIDS

Thomas Stanford Tutwiler, Elizabeth, John C. Munday, Cranford, and Dilworth T. Rogers, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 30, 1949, Serial No. 113,254
5 Claims. (Cl. 252—56)

1. A lubricating oil composition consisting essentially of a lubricating oil base stock and containing from 0.01 to 15% by weight of a copolymer formed by copolymerizing an alpha-beta unsaturated monocarboxy ester having the general formula

$$CH_2=\underset{\displaystyle Y}{\underset{|}{C}}-COOR$$

wherein R is an alkyl group, and Y is selected from the class consisting of hydrogen and methyl groups with an alpha-beta unsaturated dicarboxy ester having the general formula

$$R'OOC-\underset{\displaystyle Y'}{\underset{|}{C}}=CH-(CH_2)_n-COOR''$$

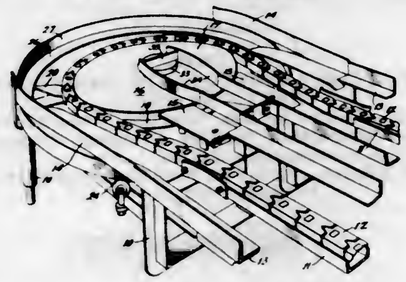
wherein R' and R'' are alkyl groups having an average of not more than 8 carbon atoms, Y' is selected from the class consisting of hydrogen and methyl groups, and n is an integer from 0 to 1, the average number of carbon atoms of R' and R'' subtracted from the number of carbon atoms of R being a number between 5 and 20, the esters being copolymerized in proportions such that the resulting copolymer has an average side chain greater than about C_4 and less than C_{18}.

2,580,054

CONVEYER WHEEL CURVE DEVICE

Willard V. Vincent, Chicago, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois

Application March 31, 1950, Serial No. 153,180
8 Claims. (Cl. 198—181)



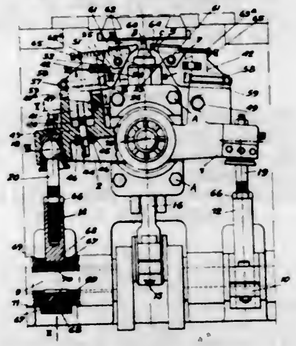
1. In conveyor apparatus, a frame, a pair of tracks carried thereby for an endless conveyor having their end portions lying adjacent each other, an endless conveyor in said tracks and forming a loop between said ends, an inner rotatably-mounted drive wheel receiving the looped portion of said conveyor, an outer wheel rotatably mounted in said frame with the outer portion of the wheel substantially aligned with the drive wheel and with the inner portion of the wheel in a plane below said drive wheel.

2,580,055

WIRE NAIL MACHINE

Jean Louis Weber, Puteaux, France

Application April 9, 1946, Serial No. 660,689
In France February 10, 1943
2 Claims. (Cl. 10—49)



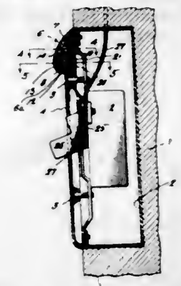
1. In a cutting device for nail machine of the type comprising cutters adjustably mounted on levers to provide a space for the reciprocating movements of a horizontal heading ram, the combination of a frame, two pivot pins mounted on said frame and respectively aligned with each other and spaced above and below the horizontal heading ram, two levers respectively located on each side of said ram and being pivoted on said pivot pins, each of said levers being formed with one cylindrical recess opening laterally spaced from said pivot pins and the axis of which is substantially parallel to the horizontal axis of said ram, supports slidably mounted in said recesses and respectively formed with a vertical groove contained in a vertical plane substantially parallel to said horizontal axis, cutter carriers slidably mounted in said vertical grooves and respectively formed with a horizontal groove substantially perpendicular to said horizontal axis, cutters respectively slidably mounted in said horizontal grooves, means for adjusting the position of each cutter in the corresponding horizontal groove, means for adjusting the position of the cutter carrier in the corresponding vertical groove, and means for adjusting the position of the slidable support in the corresponding cylindrical recess, whereby each adjusting means operates independently from the others, and individual means for locking said cutter, cutter carrier and support, respectively, after adjustment.

2,580,056

ELECTRICALLY LIGHTED WALL SWITCH PLATE

Thomas L. Wheeler, Jr., Columbus, Ohio

Application February 19, 1945, Serial No. 578,691
3 Claims. (Cl. 240—2)



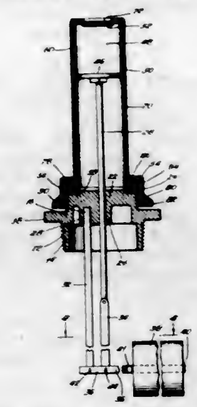
1. An electrically lighted wall plate, provided with an outwardly bulged portion having a resistor-receiving upper recess and a bulb-receiving lower recess, a set of lugs overhanging said upper recess, a set of lugs overhanging said lower recess, and said wall plate being provided with outer sets of lugs, whereby a retainer plate can be held upon said wall plate behind said outer set of lugs.

2,580,057

FLOAT GAUGE

Joseph F. Wilhelm, Green Bay, Wis.

Application January 23, 1947, Serial No. 723,844
4 Claims. (Cl. 73—317)



2. In a tank gauge, in combination: a pipe-threaded plug having a polygonal flange for en-

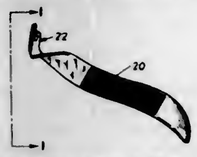
gagement with a wrench; said plug having an axially apertured central portion; said central portion presenting an exterior outwardly facing flat annular surface; and a cylindrical surface rising from the inner edge of said flat surface; a rubber-like gasket seated in the rabbet defined by said surfaces; an inverted plastic cup having an outwardly directed flange at its lower end shaped to rest on said gasket; the inside diameter of said flange being greater than the diameter of said cylindrical surface and less than the mean diameter of said gasket; said gasket extending above the upper end of said cylindrical surface; whereby tightening of said nut distorts said gasket body downwardly and inwardly to secure a complete seal with a single gasket.

2,580,058

SAFETY RAZOR

Oscar Willhelm, New London, Conn., assignor to Durham-Enders Razor Corporation, a corporation of New York

Application November 15, 1946, Serial No. 710,061
7 Claims. (Cl. 30—62)



1. A safety razor including a flexible razor blade having a pair of integral resilient ears projecting forwardly from the rear edge thereof, said blade having a slot in its central portion extending transversely across the blade and a flexible prong extending forwardly from the rear edge of the slot, and a head provided with a guard, a blade seat connected to said guard and sufficiently spaced therefrom to permit the blade to be inserted between the guard and blade seat, a pair of shoulders on said blade seat arranged to engage and flex said ears upwardly when the blade is inserted between the guard and blade seat and thereby retain the blade upon the blade seat in a predetermined position relative to the guard for shaving, and a member on said blade seat adapted to engage and flex said prong upwardly when the blade is inserted between the guard and blade seat and thereby prevent bowing of the blade along the cutting edge when said ears are flexed upwardly by said shoulders.

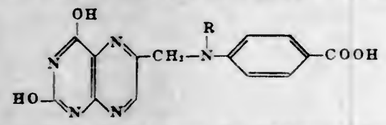
2,580,059

2 - HYDROXY - PTEROIC ACID AND THE N - FORMYLATED DERIVATIVES THEREOF

Donald E. Wolf, Franklin Township, Union County, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application August 10, 1946, Serial No. 689,815. Divided and this application March 22, 1947, Serial No. 736,585
10 Claims. (Cl. 260—251.5)

1. A compound represented by the formula



wherein R is selected from the class consisting of hydrogen and formyl substituents.

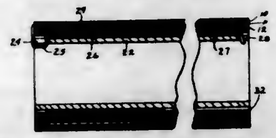
4. The process that comprises reacting a mineral acid solution of 4-([(2-amino-4-hydroxy-6-pteridyl)methyl]formylamino)benzoic acid with nitrous acid, recovering 4-([(2,4-dihydroxy-6-pteridyl)methyl]formylamino)benzoic acid thus formed, hydrolyzing the latter compound and recovering 4-([(2,4-dihydroxy-6-pteridyl)methyl]-amino)benzoic acid.

2,580,060

METHOD AND MEANS FOR PACKAGING SHEET MATERIAL

Ralph C. Zimmerman, Norwood, Ohio, assignor to Zimmerman Packing Company, Norwood, Ohio, a corporation of Ohio

Application March 18, 1949, Serial No. 82,197
7 Claims. (Cl. 206—47)



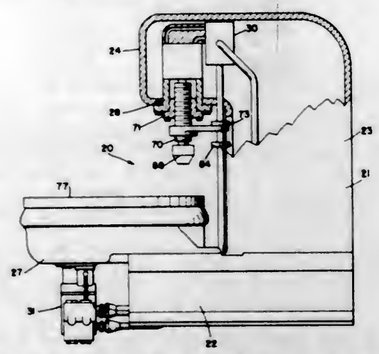
7. A package of the class described comprising a hollow tube-like core, a length of cord packing carried by the tube core on the exterior thereof, a plurality of sheets of gasket material superimposed on one another and rolled around said tube core with a portion of each sheet of gasket material visible beyond a similar edge of the sheet disposed thereabove, said visible portions of the several sheets together forming the exterior surface of the roll, said cord packing being secured in position by anchoring the ends of the cord packing respectively to the ends of the tube core with one of the said ends beyond its anchor disposed on the exterior surface of the roll, and a transparent wrapper enclosing the exterior of said roll and secured in an enclosing position by twisting the ends of the wrapper, respectively, on themselves and disposed centrally of the tube core.

2,580,061

HYDRAULIC TAPPING DEVICE

Cecil E. Adams, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio

Application September 4, 1948, Serial No. 47,861
8 Claims. (Cl. 10—136)



1. A hydraulically operated tapping machine comprising a reversible fluid motor; a source of fluid pressure; control valve mechanism between said fluid pressure source and said fluid motor,

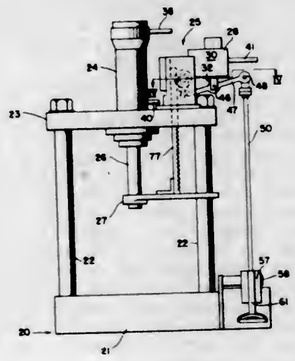
said mechanism having a valve member operative in a first position to cause rotation of said fluid motor in a first direction and in a second position to cause rotation of said fluid motor in the opposite direction, said valve member being responsive to fluid pressure to move to said first position; fluid passage and orifice means for utilizing exhaust fluid from said fluid motor during operation in said first direction to maintain said valve member in said first position; a lead screw coupled for rotation with said fluid motor; a stationary nut cooperating with said lead screw to cause longitudinal movement thereof during rotation of said fluid motor; and motion transmitting means between said lead screw and said control valve mechanism, said motion transmitting means being operative to interrupt the flow of fluid pressure from said source to said fluid motor to discontinue operation thereof in said first direction when said lead screw reaches a predetermined position in its longitudinal movement.

2,580,062

HYDRAULIC PRESS WITH SERVO CONTROL

Cecil E. Adams, Victor V. Blasutta, and Henry V. Mog, Columbus, Ohio, assignors to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio

Application May 11, 1949, Serial No. 92,554
11 Claims. (Cl. 121—41)



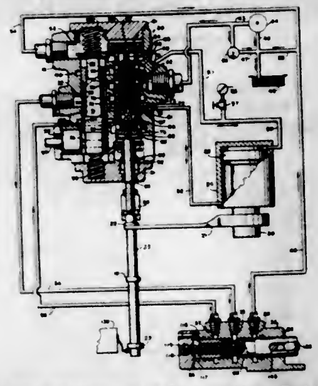
1. Hydraulic apparatus comprising a reversible fluid motor having a movable element; a control member supported for movement in certain directions to cause movement of the motor element in the same directions; means for controlling the operation of said motor to cause the movable element thereof to move predetermined distances in proportion to the movement of said control member comprising a valve with an actuating lever connected thereto at its intermediate portion; motion transmitting means between said movable control member and one end of the actuating lever of said valve, movement of said control member serving to cause movement of the valve element in a certain direction; and a second motion transmitting means between the movable element of said motor and the other end of the actuating lever of said valve, motion of said motor element in response to movement of said control element in said certain direction serving to move the valve element in the opposite direction.

2,580,063

CONTROL MECHANISM FOR FLUID MOTORS

Cecil E. Adams, Columbus, Howard V. Mills, Piqua, and Victor V. Blasutta, Columbus, Ohio, assignors to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio

Original application June 21, 1945, Serial No. 600,736. Divided and this application August 9, 1949, Serial No. 109,364
6 Claims. (Cl. 121—38)



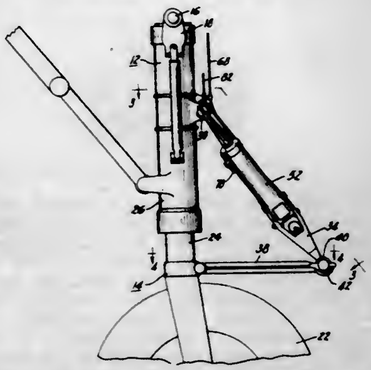
1. In combination, a reciprocating fluid motor; control mechanism having valve means movable between positions causing forward and reverse operations and idle periods of said motor; said valve means being responsive to fluid pressure to initiate a cycle of operations of said motor; passage means for conducting fluid from said control mechanism to exhaust when said valve means is in position to cause said motor to remain idle; a three-way valve in said passage means; and a second passage means leading from said three-way valve to said control mechanism to apply fluid to said valve means upon actuation of said three-way valve to initiate a cycle of operations of said motor.

2,580,064

FLUID PRESSURE OPERATED STEERING DEVICE

Franklin C. Albright, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

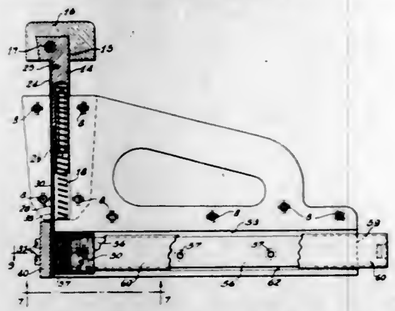
Application January 27, 1950, Serial No. 140,925
19 Claims. (Cl. 244—50)



10. A steerable aircraft landing gear comprising two landing gear elements, one of which is

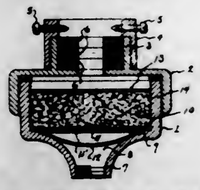
rotatable about the landing gear axis, a strut connected at its inner end to one of the landing gear elements, a link connected at its outer end to the outer end of the strut and at its inner end to the other landing gear element, and a fluid pressure motor comprising two relatively reciprocable parts, one of which is connected to the landing gear element to which the strut is connected at a point spaced laterally from the inner end of the strut, and the other of which is connected to the strut to exert a turning force thereon.

2,580,065
NAILING MACHINE
Edgar P. Anstett, Chicago, Ill.
Application June 21, 1950, Serial No. 169,504
17 Claims. (Cl. 1—46)



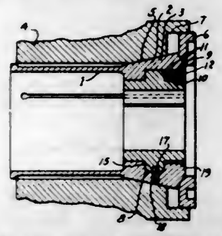
1. A nailing machine comprising a body having a lengthwise extending straight nail-receiving groove, a bar extending lengthwise in the groove and spaced from the top of the groove and constituting a rail for nail heads, a guide plate across the foreward end of the groove and having an opening for the passage of nails therethrough, and a nail driving stem slidable over the guide plate and guided thereby, the guide plate being cut away on the front surface thereof at that edge of the opening thereof which is adjacent the head of a nail that is being driven by the stem.

2,580,066
FAUCET FILTER
Joseph F. Auberschek, Milwaukee, Wis.
Application August 26, 1948, Serial No. 46,201
1 Claim. (Cl. 210—87)



A faucet filter comprising a casing, an upper cap in threaded union with the outer face of the casing, said cap having a centrally defined inlet communicating with the interior of said casing, an upright annular collar carried by said cap, a plurality of pointed screws threaded through said collar adjacent the upper periphery thereof, an upright annular shouldered bead at the bottom of said casing, said casing being provided with a restricted discharge mouth, a coarse screen disc seated in the shouldered bead, a fine screen disc seated upon said coarse screen, an upper screen disc spaced from the pair of discs having filtered material packed between said upper disc and the lower set of discs, and a downwardly bowed filtered disc seated in the shouldered bead below the associated fine and coarse screen discs to form a water pocket between the group of discs, whereby the water is discharged from the pocket through the casing mouth.

2,580,067
COLLET WITH INTERCHANGEABLE PADS
Gerald C. Barnes, Plymouth, Mich.
Application June 30, 1948, Serial No. 36,142
3 Claims. (Cl. 279—51)

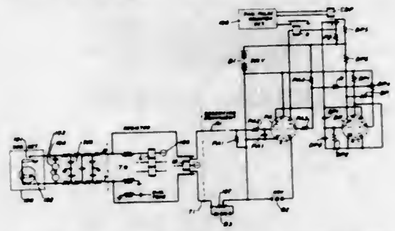


1. A collet, having in combination a split spring sleeve and collar arranged for relative motion, the said collar having a conical flared out mouth, said split spring sleeve having an enlargement at its outer end forming a head with outwardly diverging segments fitting into the conical mouth of the collar, the said head segments contracting when relative movement takes place between the collar and the sleeve longitudinally toward each other and the segments expanding when relative movement takes place away from each other, the said segments having each a segmental groove rectangular in cross section, the segmental grooves forming in their totality a split annular groove, each segment having a recess extending longitudinally of the sleeve, a spring and detent secured in each recess with the detent extending into the annular groove of the said split spring sleeve head, and a plurality of segmental pads each comprising a segment of a cylinder with a rib on its exterior of rectangular cross section and dimensioned to fit accurately in the segmental groove of the head segment, each rib having on its outside face a notch to receive the spring-press detent when the rib is fitted into its groove and the segment shifted so that the detent and notch register.

2,580,068
PROCESS OF REMOVING SULFUR COMPOUNDS AND CARBON MONOXIDE FROM HYDROGEN
John S. Beckley, Wilmington, Del., and Walter E. Vail, Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1947, Serial No. 744,804
5 Claims. (Cl. 23—210)

1. In a process of purifying a hydrogen-rich substantially oxygen free gas containing sulfur compounds and carbon monoxide, the step which comprises passing the impure gas into a reaction zone at a temperature between 200 and 400° C. and under a pressure between 100 and 500 lbs./sq. in. gauge over a copper-zinc carbon monoxide and sulfur removal catalyst and, substantially immediately thereafter and without substantial changes in temperature and pressure conditions, over a methanation catalyst.

2,580,069
DIAL PULSE RECEIVING CIRCUIT
Frank E. Blount, Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1949, Serial No. 103,689
8 Claims. (Cl. 179—175.2)

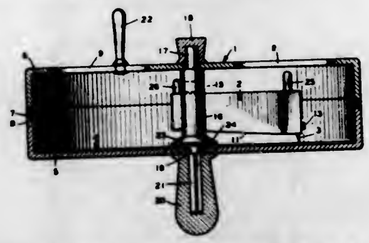


1. In a dial pulse receiving circuit, a vacuum tube having an input circuit and an output circuit and responsive to voltage variations caused by dial pulses in said input circuit, pulse registering means in said output circuit, and means to block said output circuit for a measured interval to prevent the operation of said registering means in response to pulses of substandard length.

2,580,070
SYNTHESIS OF ACYL HALIDES
Richard E. Brooks and Irving D. Webb, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1948, Serial No. 14,384
5 Claims. (Cl. 260—544)

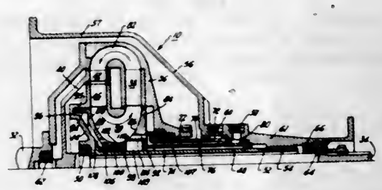
1. A process for the synthesis of acyl halides of the formula RCOX, wherein R is a tertiary alkyl group containing from 4 to 7 carbon atoms and X is a halogen atom of the class consisting of chlorine and bromine, which comprises interacting an alkyl halide of the formula RX with carbon monoxide in the presence of boron trifluoride, at a temperature of −25° to +200° C., under a pressure in excess of 10 atmospheres, whereby an acyl halide of the formula RCOX is produced, and thereafter separating the said acyl halide from the resulting mixture.

2,580,071
PHONOGRAPH
Kenneth L. Bunyard, Flushing, N. Y.
Application December 30, 1948, Serial No. 68,167
1 Claim. (Cl. 274—9)



A phonograph instrument comprising a resonance box having a substantially flat inner or bottom face and a perforated outer or top face, a disc-like phonograph record resting on the inner surface of said inner face, a central shaft journalled in apertures in said faces and having a portion projecting through said inner face, a supporting handle for the instrument associated with said projecting shaft portion, a sound box having a stylus thereon, an arm attached to said shaft and extending substantially at right angles thereto within said resonance box, a pivotal connection between said arm and sound box for supporting the sound box in playing relation to said record, and a crank handle projecting outwardly from said outer face of the resonance box for rotating this box on said shaft to play the instrument.

2,580,072
ROTARY HYDRAULIC TORQUE CONVERTER
Richard T. Burnett, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 2, 1947, Serial No. 745,463
9 Claims. (Cl. 60—54)

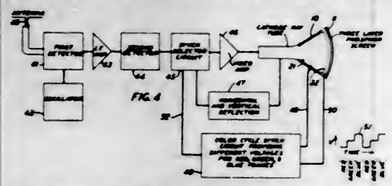


1. A hydro-kinetic torque converter comprising rotatable bladed impeller and turbine wheels and a bladed guide wheel, a driving shaft for the impeller wheel, a driven shaft mounting the turbine wheel, said wheels so constructed and arranged that together they provide a portion of a vortex chamber through which fluid is circulated by the impeller wheel to tend to cause rotation of the turbine wheel, said guide wheel being formed with an axially extending circular groove in its face and an integral sleeve disposed coaxially with the driven shaft and spaced apart therefrom, a valve member constituted to provide a portion of the vortex chamber and shiftable axially along said sleeve to control vortical circulation, said valve member constituted to have two flanges, one of which is engageable with and slidable in the circular groove, the other of which is disposed in bearing relationship to the sleeve, and a spring interposed between the guide wheel and said other flange normally urging the valve member in a direction tending to cut off vortical circulation, a source of fluid under pressure, said valve member being subjected to said fluid under pressure urging the same against said spring to establish circulation in the vortex chamber, after which time the valve member is subjected to the dynamic pressure of the circulating fluid to hold said valve member open.

2,580,073
TIME MULTIPLEX TELEVISION IN COLOR
Joseph A. Burton, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1948, Serial No. 24,613
7 Claims. (Cl. 178—5.4)

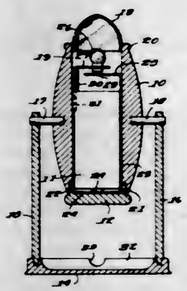
1. A system for producing television images in color, comprising an image-producing device having voltage control means for determining the color of the produced image, a source of video signals producing cyclically video signals corresponding to the primary colors used to produce the images in color, a source of color cycle synchronizing signals producing one current pulse

only for each group of colors in a color cycle, means to impress video signals from said source on said image-producing device in color cycles of the primary colors, and means triggered by the



current pulses of the color cycle synchronizing signals from said source to produce and impress color control voltages on said voltage control means to determine the color of the produced image.

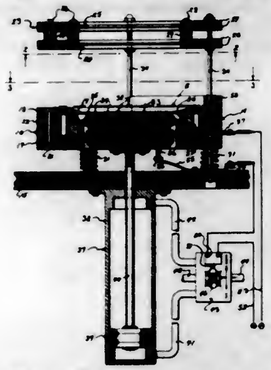
2,580,074
ELECTRIC-LIGHT SERVICE INDICATOR
Jorge M. Cesár, Monterrey, Mexico
Application October 11, 1950, Serial No. 189,564
2 Claims. (Cl. 177—329)



1. In a table service indicator, the combination which comprises a substantially cylindrical casing having a longitudinally disposed bore extended therethrough, a substantially semi-spherical shield of translucent material fixedly mounted in one end of the bore and extended from the end of the casing and a cap threaded in the opposite end of the casing, a base having oppositely positioned uprights with pins extended inwardly from the upper ends of the uprights and on which the casing is pivotally mounted, and a battery slidably mounted in the bore of the casing, a light bulb positioned in the bore of the casing, an arm extended from the battery and in which the light bulb is carried, and a contact band with inwardly extended ends mounted in the bore of the casing and positioned whereby with the shield extended upwardly a circuit is completed to the light bulb and with the cap in the opposite end of the casing extended upwardly the circuit to the light bulb is incomplete.

2,580,075
MACHINE FOR MAKING BOWL COVERS
James L. Clark and Mason E. Horton, Milwaukee, Wis., assignors to Clarvan Corporation, Milwaukee, Wis.
Application January 3, 1949, Serial No. 68,895
8 Claims. (Cl. 154—1)

1. A machine for forming articles of the type having a hem and an elastic band therein comprising an annular sealing die adapted to support a thermoplastic sheet, a stationary wiper unit arranged above and in spaced relation to the die and in axial alignment therewith, a reciprocating forming head movable through the die for lifting a sheet off of the die and into the



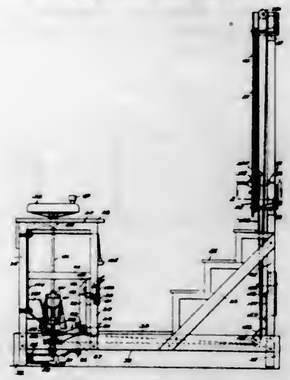
wiper unit, said head being movable on a return stroke out of and below the wiper unit and into the sealing die.

2,580,076
COMPOSITION FOR MAKING ACOUSTIC MATERIAL
John Deane, San Francisco, Calif., assignor of forty per cent to Sarah Lucas, San Francisco, Calif.
Application April 29, 1948, Serial No. 23,889
1 Claim. (Cl. 260—746)



The herein described composition of matter for making acoustic tile comprising ground pumice 50 parts, sodium paraphosphate 5 parts, corn starch 10 parts, cream of tartar 5 parts, asbestos 3 parts, bentonite 3 parts, copper sulfate 4 parts, and liquid latex 20 parts.

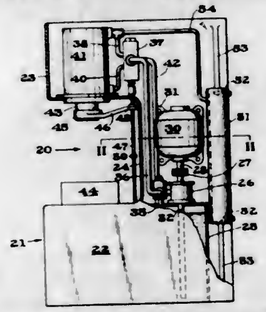
2,580,077
RACING GAME APPARATUS
Charles L. Deihle, Irondequoit, N. Y.; Catherine J. Deihle executrix of said Charles L. Deihle, deceased
Application June 18, 1948, Serial No. 33,911
7 Claims. (Cl. 273—86)



1. An amusement device comprising upright guide means, an object movable on said guide

means in one direction by gravity and provided with driven pulleys, driving pulleys, supporting means on which said driving pulleys are freely rotatable, continuous belt means having loop portions engaging said driving and driven pulleys, respectively, manually operable means for rotating said driving pulleys at different peripheral speeds, respectively, and varying the length of said loop portions to move said object in the other direction, said manually operable means having a releasable connection with one of said driving pulleys, speed governor means controlling said releasable connection, said driving means having a releasable clutch connection with the other of said driving pulleys, and a trip device actuated automatically by said object in the raised position thereof for positively releasing said clutch connection from the other of said driving pulleys for gravity descent of said object.

2,580,078
PRESS MECHANISM
William C. Denison, Jr., Powell, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application May 28, 1945, Serial No. 596,271
5 Claims. (Cl. 100—71)



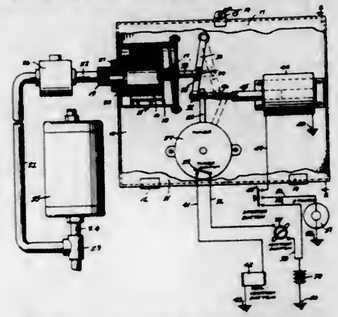
1. In a press, in combination, a C-frame with base and head sections integrally united by a back section having spaced side walls; a hydraulically operable cylinder-piston assembly supported by said frame; and fluid pressure responsive movable elements operative to apply oppositely directed forces to said side walls at points of joinder thereof with said base and head sections, said forces tending to increase the effective length of said side walls.

2,580,079
SMOKING PIPE COATING COMPOSITION
Henry A. De Phillips, Nutley, N. J.
No Drawing. Application October 17, 1947, Serial No. 780,575
2 Claims. (Cl. 106—179)

2. A coating composition for tobacco pipes comprising by weight: nitrocellulose about 20 to about 23 percent, dicaprylate of triethylene glycol about 6 to about 9 percent, and solvents about 71 percent.

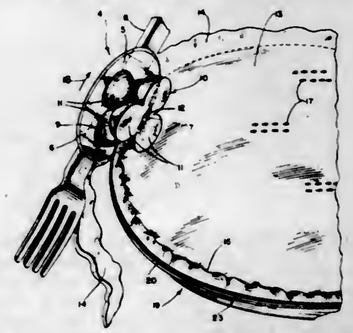
2,580,080
DEVICE FOR AUTOMATICALLY STOPPING MOTOR VEHICLE ENGINES AFTER PREDETERMINED IDLING PERIOD
Joseph F. Dewhirst, Bridgeport, Conn.
Application December 18, 1950, Serial No. 201,391
6 Claims. (Cl. 161—1)

1. An idling period control device for an engine having means to control the stopping of the engine and an oil pressure lubricating system, comprising oil pressure actuated means adapted to be connected to the oil pressure lubricating system and movable between relatively low and high oil pressure positions, timer means having a predetermined operating period



and including reset means arranged to be actuated to reset position by movement of said oil pressure actuated means into high oil pressure position, and means adapted to be operatively connected to said control means to stop the engine at the end of said operating period of said timer means.

2,580,081
PIE CRUST TRIMMING AND SCALLOPING DEVICE
Mary Di Domenico, Chicago, Ill.
Application September 20, 1949, Serial No. 116,748
2 Claims. (Cl. 107—49)

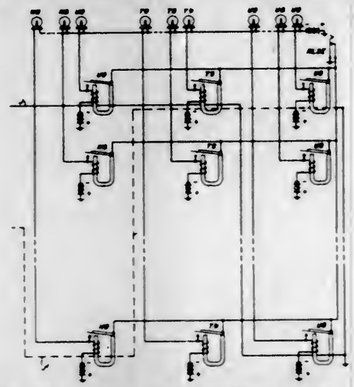


1. In pie crust trimming and scalloping means including a rotatable knife blade element, scalloping means secured to the said knife blade element, the said scalloping means including two sections, each of said sections composed of at least three hemispherical portions, the curved portions thereof enmeshed in staggered relationship, the flat portions thereof facing outwardly.

2,580,082
RELAY TRANSLATING CIRCUIT
Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1950, Serial No. 170,923
4 Claims. (Cl. 179—18)

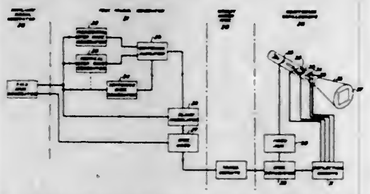
1. In combination, a plurality of electromagnetic relay structures, contacts controlled by the magnetic energization of said structures, a plurality of jumper wires threaded through differ-

ent combinations of said relay structures, apparatus for selecting one of said jumper wires, apparatus for applying an electrical condition to the selected jumper wire for operating the relays



through which the jumper wire extends, locking circuits for said relays closed upon the energization thereof, and other circuits also closed upon the energization of said relays and including devices to indicate the operated relays.

2,580,083
CONTRAST PATTERN GENERATOR
Stephen Doba, Jr., Long Island City, and John W. Rieke, Astoria, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1947, Serial No. 778,660
6 Claims. (Cl. 175—183)



1. In a television testing system including a circuit to be tested, a contrast signal pattern generator for providing a test picture wave characterized by groups of horizontal line scanning signals in which each of the alternate groups comprises a multiplicity of horizontal line scanning signals of uniform amplitude throughout the group but these alternate groups change in amplitude in discrete steps from group to group, and in which each of the intermediate groups of horizontal line scanning signals comprises a multiplicity of horizontal line scanning signals which change in amplitude in discrete steps during each line scanning period, means for applying said test picture wave to the circuit to be tested, and means for producing a visual image of the test picture after it has traversed the circuit being tested.

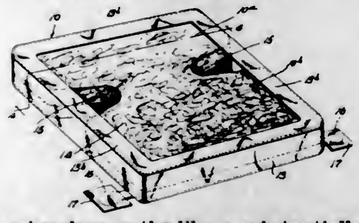
2,580,084
LAWN ROLLER
Lawrence E. Donnelly, Everett, and Clyde A. Wheeler, Melrose, Mass.
Application July 18, 1946, Serial No. 684,508
1 Claim. (Cl. 55—48)

A lawn roller comprising a hollow circular cylindrical body, an end closure at each end thereof, each end closure having a central opening, an inwardly extending tubular bearing retaining cup welded to each end closure in concentric relation to the opening, a bearing bushing fitted in each bearing retaining cup, a substantially U-shaped handle each leg of which is provided with a transverse opening, a stub shaft



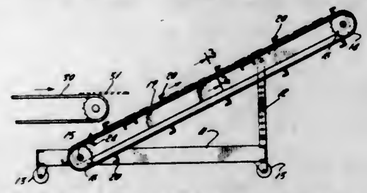
extending through each opening and projecting inwardly from its respective leg for reception in the bearing bushing said stub shaft including apertures medially of the length thereof and cotter pins extending through each stub shaft aperture on opposite sides of each leg of the handle to space said handle from said roller body for free rotation thereof.

2,580,085
BANDAGE
Edna L. Dubé, Fall River, Mass.
Application June 17, 1949, Serial No. 99,826
2 Claims. (Cl. 128—287)



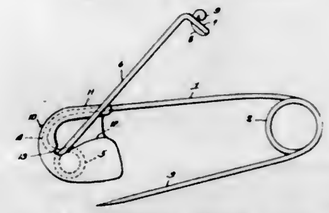
1. In a bandage or the like, a substantially flat, highly flexible and compressible pad comprising a stack of thin, substantially uniform, tear resistant fibrous sheets of high moisture-absorbing capacity, the outer sheet of the outer side of the pad including a thin preformed and transparent film of flexible-when-dry, moisture-proofing composition comprising a melted wax-like material dissolved in a minor quantity of mineral oil as a vehicle, whereby to moisture-proof said outer surface of said pad while leaving the pad substantially as flexible at said surface as at other points, and admitting of blood or other drainage to be viewed therethrough.

2,580,086
STRIP CONVEYER
Ernest Fried, New York, N. Y.; Celia Fried, administratrix of said Ernest Fried, deceased, assignor to Fried Steel Equipment Mfg. Corp., a corporation of New York
Application February 21, 1950, Serial No. 145,493
1 Claim. (Cl. 198—227)



A material handling device comprising in combination a plate, means to support one end of said plate in raised position, sprockets journalled at top and bottom of said plate, a continuous chain at each side edge of said plate carried by said sprocket, a plurality of parallel spaced bars each connected to both said chains in position to slide upon said plate, a plurality of detents each pivoted on an axis parallel to the axes of said sprockets and near the bottom of said plate in the path of said bars, each detent being movable upwardly from a position to obstruct the downward movement of a strip laid on said plate to a position below the surface of said plate to permit a bar to pass.

2,580,087
SAFETY PIN
Charles Garber, Providence, R. I.
Application July 12, 1950, Serial No. 173,351
5 Claims. (Cl. 24—156)



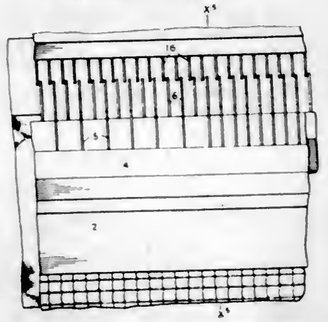
1. A safety pin construction comprising a length of wire material integrally formed at opposite ends with a locking stem and pin stem, and spring coils formed in said length of wire material and biasing said locking stem and a pin stem in opposite directions, the locking stem including means interengaging with the pin stem to prevent accidental opening of the safety pin.

2,580,088
YARN WINDING FRAME
Pearl P. Goerdeler, Brooklyn, N. Y.
Application June 28, 1950, Serial No. 170,809
2 Claims. (Cl. 28—15)



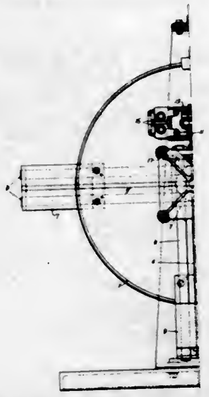
1. A yarn winding frame comprising a pair of parallel blocks each split upon a median plane into two halves each having a series of holes therethrough with their axes in that plane whereby said holes may be opened laterally by separating said halves, a pair of parallel wires each extending through a hole in each block said holes having a size slightly smaller than the wire, and means to clamp the two halves of each block together upon the wires.

2,580,089
KNITTING MACHINE
Horace C. Grant, Atlanta, Ga., assignor to Egan Cotton Mills, Inc., Atlanta, Ga., a corporation of Georgia
Original application September 3, 1948, Serial No. 47,676, now Patent No. 2,551,118, dated May 1, 1951. Divided and this application November 16, 1949, Serial No. 127,608
2 Claims. (Cl. 66—85)



1. In a machine for the manufacture of a knit fabric consisting of successive plies of fibrous roving and an edging of woven fabric united thereto by knitting, the combination of a ply guide, knitting mechanism comprising a plurality of sets of needles in front and in the rear of the ply guide, other needles in the rear of the ply guide without mating needles in front, and means for supplying thread to the said needles.

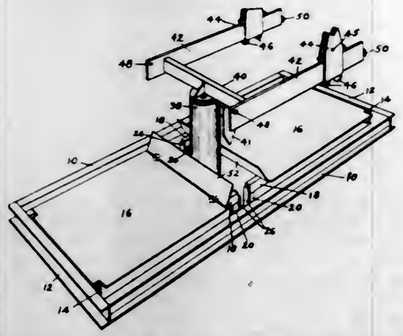
2,580,090
RATIO COMPUTING AND INDICATING DEVICE FOR TOTALIZATORS
John Handley, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland, a company of Great Britain and Northern Ireland
Application March 30, 1948, Serial No. 17,978
In Great Britain September 16, 1946
3 Claims. (Cl. 235—61)



1. In a device for computing the ratio of the value of the amounts counted by a competitor counter to the value counted by the total counter of a totalisator, a framework pivoted for rotation about a horizontal axis, a pair of guides extending radially with respect to the axis of the framework in directions transverse to one another, a weight

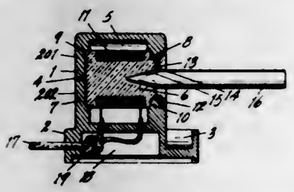
movable along each guide, means for moving said weights outwardly along said guides through distances corresponding respectively to the amounts counted on said counters, whereby the ratio of the movement of one weight to the movement of the other is described by the angular position assumed by the framework when it has rotated until balanced.

2,580,091
ALIGNING MEANS FOR VEHICLE HOISTS
Harvard K. Hecker, Clayton, Mo., assignor to Curtis Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application March 11, 1949, Serial No. 80,870
10 Claims. (Cl. 254—93)



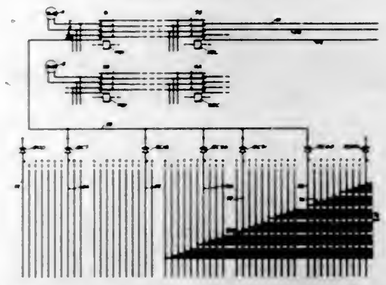
5. In a lifting device that can extend above the ground and can be retracted below the ground and has a superstructure disposable within a recess in the ground, the improvement which comprises a receptacle in the recess, an aligning element that is carried by said superstructure and is registerable with said receptacle, horizontally-spaced guiding elements with surfaces oppositely disposed of said receptacle, and shims adjacent said guiding elements, said guiding elements overlying said receptacle and being dimensioned so said surfaces can protect said receptacle from engagement with said aligning element.

2,580,092
POINTER FOR FUSIBLE CRAYONS, CANDLES AND THE LIKE
Walter N. Herbert, Kalamazoo, and Harold E. Hamblet, Wyandotte, Mich.
Application April 25, 1950, Serial No. 157,856
6 Claims. (Cl. 219—19)



6. In a pointer for plasticizable crayons, candles and the like, the combination of a shaper member having an exposed smooth walled conical work recess therein tapering to a small pointed end, and a resistance heating element operatively associated with said shaper member for heating the same, said heating element having capacity to heat said shaper member and the surface of the work recess therein to a temperature to melt and liquefy the surface of the work.

2,580,093
CALL DATA RECORDING TELEPHONE SYSTEM
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1947, Serial No. 792,046
9 Claims. (Cl. 179—7.1)



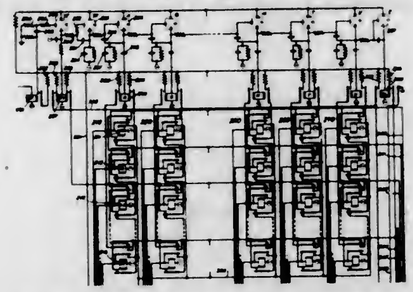
7. In a telephone system, in combination with a calling line and a called line each having an individual designation composed of digits, a sender settable to register the designation of said called line, an impulser connected to said calling line in accordance with the individual designation thereof and to said sender, said impulser being capable of producing coded series of impulses, each of said coded series of impulses representing a digit, and a register having a digital registering capacity of less than the total number of digits in the designation of both said calling line and said called line, said register being operable by said coded series of impulses to register in succession the digits of said called line designation and the digits of said calling line designation.

2,580,094
METATARSAL CUSHION
Alfred Higgs, Harrisburg, Pa.
Application November 2, 1949, Serial No. 124,978
2 Claims. (Cl. 36—71)



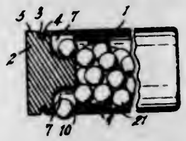
1. A metatarsal support to be disposed in various locations on the inside surface of a shoe sole, said support comprising in combination, a wire frame with a bottom sheet having an adhesive thereon, a curved cover sheet, and a filler between said cover and bottom sheet, said frame being disposed within the peripheral edges of the cover and bottom sheet and said frame constituting a means to detect the edges of said support, being visible when viewed through a fluoroscope to center the support in proper location within the shoe, a member disposed in said filler and passed through an opening in said bottom and constituting a means to visually indicate the center region of the support when viewed through a fluoroscope, and said member having a flat bottom surface adapted to rest firmly upon the insole of a shoe.

2,580,095
ELECTRONIC CODE PULSE TRANSMITTING CIRCUIT
William H. T. Holden, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 17, 1950, Serial No. 190,492
3 Claims. (Cl. 179—16)



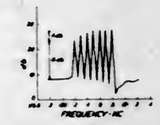
1. In a telephone system a plurality of digit registers, a plurality of alternating-current generators, means under the control of each of said registers for selecting said generators two at a time in accordance with a predetermined code, an out-pulsing circuit, means to connect said generators with said out-pulsing circuit, a chain of cold cathode tubes corresponding to said registers, means to successively energize said tubes one at a time, and means under the control of each tube to enable the generators selected by the corresponding register.

2,580,096
DISPENSING CONTAINER
John L. Holt and Grace Holt, Kalamazoo, Mich.
Application May 12, 1947, Serial No. 747,508
3 Claims. (Cl. 206—56)



1. A dispensing container comprising a cylindrical body closed at the bottom and having a side delivery opening adjacent the top thereof, a closure member having an annular peripheral groove adjacent its outer end, the top edge of the body wall being turned inwardly into retaining engagement with said groove and permitting rotation of the closure member, the projecting end of the closure member constituting a fingerpiece, said closure member having a plurality of angularly spaced charge chambers opening to the container and opening peripherally in the plane of the discharge opening of the container and adapted to be singly brought into register therewith by the rotatable adjustment of the closure member, the segments of the closure member between the charge chambers constituting closures for the delivery opening alternating with the charge chambers, and a tubular guard member sleeved within the body with a portion of its upper edge substantially flush with the bottom of the delivery opening and constituting a guard for a charge chamber registering with the delivery opening, the upper edge of the guard member being inclined away from said delivery opening permitting entrance of articles to be dispensed into a charge chamber remote from the delivery opening.

2,580,097
SYSTEM FOR TESTING CABLE REPEATER
Lester M. Ilgenfritz, Mamaroneck, N. Y., and Raymond W. Ketchledge, Middlesex, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 17, 1949, Serial No. 133,538
12 Claims. (Cl. 179—175.31)

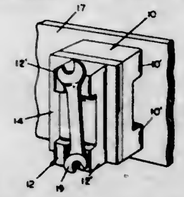


1. A long distance communication system comprising sending and receiving terminal stations adapted to transmit communications in a wide band of frequencies, a transmission channel connecting said stations and including a plurality of repeaters spaced at intervals therealong, each repeater including a device continuously producing a pronounced irregularity in the gain-frequency characteristic of the repeater over a different narrow band of frequencies each band being uniquely characteristic of a repeater, and a meter at said receiving terminal adapted to be connected to said channel to measure the currents transmitted by said channel in each of said narrow bands of frequencies.

2,580,098
PINE WOOD RESIN OF INCREASED MELTING POINT
Reginald W. Ivett, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 19, 1950, Serial No. 174,780
12 Claims. (Cl. 260—102)

1. A method of increasing the melting point of a pine wood resin having a petroleum hydrocarbon-insoluble content of 30% to 95% which comprises contacting said pine wood resin at a temperature within the range of about 215° C. to about 350° C. with gaseous ammonia until the product contains at least about 1% combined trivalent nitrogen.

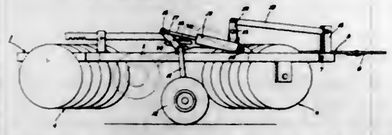
2,580,099
DOUBLE MAGNETIC HOLDING DEVICE
Clemens O. Jaeger, Milwaukee, Wis.
Application August 9, 1949, Serial No. 109,391
2 Claims. (Cl. 175—367)



1. A magnetic support of the character described comprising a master magnet and an auxiliary magnet arranged in parallel spaced rela-

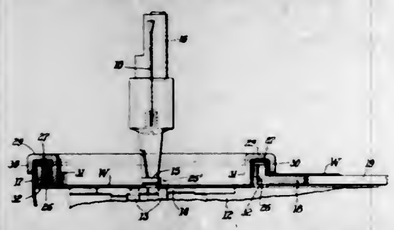
tion, a non-magnetic plate interposed between said magnets, said non-magnetic plate being in contact with said magnets, non-magnetic means for securing said magnets and said non-magnetic plate together, said auxiliary magnet being of substantially less magnetic power than said master magnet, and the poles of said magnets being arranged in repelling juxtaposition with one another.

2,580,100
IMPLEMENT RAISING AND LOCKING DEVICE
Gordon W. Johansen and Welford E. Copley, Livingston, Calif.; said Copley assignor to Wayne A. Yocom, Atwater, Calif.
Application August 12, 1946, Serial No. 689,871
5 Claims. (Cl. 55—73)



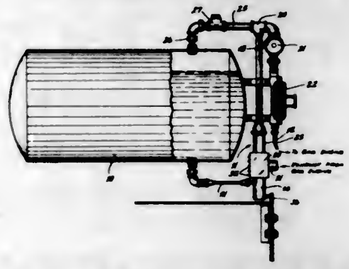
1. A raising and locking device for an implement which includes a hitch unit pivotally mounted thereon for relative vertical swinging movement, said device comprising a power actuated lift assembly on the implement operative to raise or lower the same, said lift assembly including a power rotated, transversely extending shaft, a radial lever on the shaft, a linkage arrangement including a link extending forwardly from adjacent the radial lever, there being a cross pin on the radial lever and the adjacent part of the link having an elongated slot in which the pin rides, said linkage arrangement extending to connection with the hitch unit, said relative vertical swinging movement of the hitch unit being effected only with a resultant motion of the linkage arrangement, and a radial dog on the shaft, said link having a longitudinally facing shoulder against which the dog bears when the cross pin, upon rotation of the shaft to raise the implement, is in the end of the slot opposed to said shoulder, whereby to then lock the link and linkage assembly against motion.

2,580,101
SEWING MACHINE WORK-HOLDING ATTACHMENT FOR DARNING AND EMBROIDERING
Ralph E. Johnson, Rahway, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 15, 1948, Serial No. 2,456
5 Claims. (Cl. 112—121)



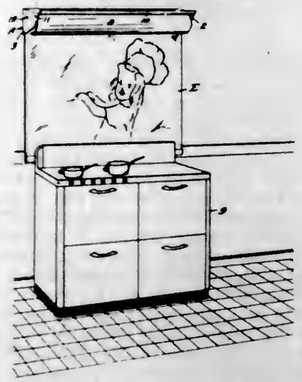
1. A work-holding device of the class described comprising: a first clamping element, a second clamping element including a pair of concentric cylindrical rings, and a shelf joining said cylindrical rings, said clamping elements being adaptable to be pressed into concentric engagement in which the first clamping element is disposed radially within the concentric rings of the second clamping element.

2,580,102
LIQUEFIED FUEL VAPORIZER
Sam P. Jones, Dallas, Tex.
Application January 14, 1946, Serial No. 641,106
4 Claims. (Cl. 62—1)



2. In a vaporizer mechanism of the backflow type, a vaporizer unit comprising a vertical tubular column, an inlet pipe at the lower end of the column for connection with a liquid supply tank, an outlet pipe means at the upper end having a pipe for connection with the top of the tank and having a pipe for connection with an outlet line leading to a gas engine, a heating housing around the column at its lower end for connection with the exhaust of the gas engine, and valve means in the outlet pipe for connection with the top of the tank said valve means being pressure-responsive to open said pipe when the gas pressure in the tank exceeds that in the column by a predetermined amount.

2,580,103
COMBINED SHELF AND WALL PROTECTOR
Nellie G. Keller and William J. Keller, St. Louis, Mo.
Application December 26, 1945, Serial No. 637,273
1 Claim. (Cl. 45—36)



In a wall protector for kitchens to protect the wall from grease and the like when cooking foods on a range, the combination of a right angular member constituting a back wall and a top wall projecting forwardly from the upper edge thereof, the back wall having slotted openings adjacent the upper corners thereof adapted to receive wall fasteners for detachably supporting

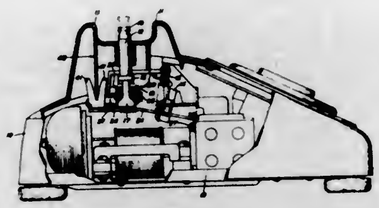
the member to the rear of and above the top of the range, end walls connected with the back and top walls and having convexed front edges, a concaved-convexed front wall disposed between the end walls and below the top wall, a hinge pin carried by the end walls adjacent the upper front corners thereof from which the front wall is hingedly suspended, detents projecting inwardly from the end walls for holding the front wall in its closed position, the lower edges of the front wall terminating in an inwardly projecting flange adapted to engage the back wall when in its closed position, and said back, top, end and front walls providing a compartment adapted to contain a roller supported curtain which may be pulled down when the side edges of the front wall have been moved forwardly past the detents to provide a gap between the flanged lower end of the hinged front wall and the back wall and to conceal the curtain when raised and the hinged front wall is in its closed position.

2,580,104
FISHING LURE
Virgil L. King, El Dorado, Kans.
Application June 9, 1950, Serial No. 167,110
4 Claims. (Cl. 43—42.23)



1. A device of the character described comprising an elongated horizontally extending body, a vane affixed to said body and extending forwardly thereof, a leader wire attached to said body adjacent the rear end thereof and a chain interconnecting the forward end of said vane and said leader wire.

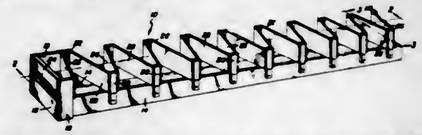
2,580,105
TELEPHONE SWITCH AND MOUNTING
Charles L. Krumreich, Whippany, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 24, 1950, Serial No. 197,452
4 Claims. (Cl. 179—159)



1. In a telephone desk set including a base plate, a plunger-operated switch assembly, a plunger and a housing for said set, means for mounting said switch assembly comprising a cantilever spring-type mounting bracket fixed at one end to said base plate, and means for flexibly attaching said switch assembly to the free end of said mounting bracket.

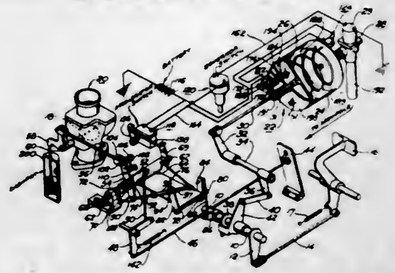
2,580,106
HOG FEEDER TROUGH
Bernard J. Lattimer, Springfield, Minn.
Application April 3, 1950, Serial No. 153,700
2 Claims. (Cl. 119—61)

1. A feed trough comprising an elongated receptacle having bottom, side and end walls, standards secured to said side walls upon the exterior surface thereof and rising thereabove, plates secured to the opposite sides of said standards and extending transversely across said receptacle and resting upon the side walls thereof to define side walls of individual compartments, each of said compartments having an opening in its side walls at one side of said receptacle, the standards on one side wall be-



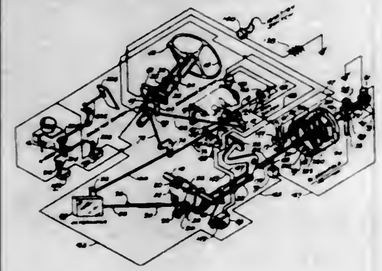
ing staggered with respect to those on the other side wall, said plates being relatively reversely angled to define wedge-shaped compartment, a splash plate extending transversely of said receptacle between the end standards on each side wall, said splash plate having its lower end within said receptacle and below the upper edge of the adjacent end wall.

2,580,107
CLUTCH AND THROTTLE CONTROL MECHANISM
Richard H. Long, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 24, 1946, Serial No. 685,974
10 Claims. (Cl. 192—.07)



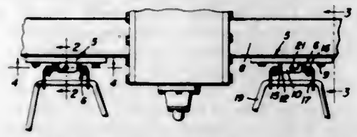
1. In an automotive vehicle provided with an engine throttle, an accelerator for operating the throttle, and a friction clutch; means operative to prevent an opening of the said throttle when the clutch is being disengaged and also operative to synchronize the opening of the throttle with the engagement of the clutch, said means comprising force transmitting means interconnecting the throttle and accelerator, a two-stage pressure differential operated motor for operating the clutch, and stop means, including yieldable means, connected with the power element of said motor, said stop means being so connected with the force transmitting means that it serves to prevent a throttle opening movement of the force transmitting means when the motor is operating to disengage the clutch and also serves to control the operation of said force transmitting means to effect the aforementioned synchronization after the motor is de-energized and during the second stage of clutch engaging operation of the motor.

2,580,108
TRANSMISSION OPERATING MECHANISM
Richard H. Long and Earl R. Price, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 21, 1946, Serial No. 698,542
10 Claims. (Cl. 192—.073)



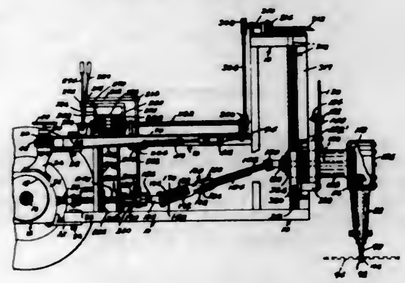
1. In an automotive vehicle provided with a power plant including a three speeds forward and reverse transmission, a friction clutch, an accelerator, a gear shift lever and a vehicle speed responsive governor; means for operating the clutch and transmission including power means for operating the clutch and operating the transmission to alternately establish the latter in its second and high gear settings, said power means including a single acting motor operative to successively disengage the clutch, operate the transmission and then re-engage the clutch in one cycle of operations, means, including yieldable means, interconnecting the power element of the motor, the transmission, and the clutch and operative to make possible a successive disengagement of the clutch and an operation of the transmission when the motor is energized, said connecting means further including an alternator mechanism operative to successively actuate the transmission to effect the second and high gear settings thereof, valve means for controlling the operation of said motor to successively effect its energization and de-energization, and means for operating and for controlling the operation of said valve means including a grounded solenoid operatively connected to the valve means, a grounded battery, an accelerator operated switch, a switch actuated by the gear shift lever, a single pole double throw switch mechanism actuated by the governor, a switch mechanism including two breaker switches biased by spring means to their closed position, means actuated by the motor for opening one of said breaker switches when the transmission is established in its second gear setting and for opening the other of said breaker switches when the transmission is established in its high gear setting, electrical conductor means interconnecting the two fixed contacts of said breaker switches with the two fixed contacts of the governor operated switch, and other electrical means serving to complete an electrical connection between the grounded battery and the grounded solenoid, said other electrical means including switch means, comprising a switch successively made and then broken by the operation of the motor as the power element thereof is moved to one of its extreme positions, incorporated in the electrical connection between the grounded solenoid and the aforementioned governor and transmission operated switch mechanisms and operative to automatically break the latter electrical connection when the transmission is established in either its second gear setting or its high gear setting and automatically operative to re-establish said latter electrical connection when the power element of the motor reaches its clutch engaged position.

2,580,109
TRACTOR HITCH
Raymond G. Love, Byron, Mich.
Application January 3, 1950, Serial No. 136,527
1 Claim. (Cl. 280—33.15)



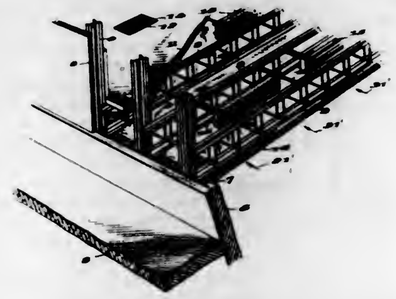
A tractor hitch comprising in combination a tractor attached bracket and an implement attached bracket, said first named bracket including an attaching plate having horizontally positioned upper and lower spaced apart apertured ears projecting rearwardly therefrom, and said second named bracket including a hollow elongated square shaped member positioned horizontally between said ears and having an opening transversely thereof alined with the apertures of the ears, a coupling pin inserted in said alined openings, a plate fixed to each end of the hollow member, and vertically positioned rearwardly projecting apertured ears carried by said last named plates pivotally receiving an implement tool bar.

2,580,110
ROTARY TOOL CARRYING TRACTOR ATTACHMENT DEVICE
Melvin Mabry, Elmer, Mo.
Application May 17, 1948, Serial No. 27,572
4 Claims. (Cl. 143—43)



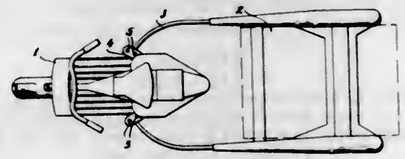
1. In a power attachment for a tractor, the combination which comprises a horizontally disposed frame having upper and lower parallel sections with vertically aligned king pin openings in the inner ends and having a vertically disposed frame carried on the outer end with spaced parallel tracks in the said vertically disposed frame, mounting brackets for attaching the frame to a rear axle housing of a tractor with king pins carried thereby and pivotally mounted in the said king pin openings of the upper and lower sections of the frame, a cross head having a tool carrying head extended outwardly therefrom slidably mounted in the tracks of the vertically disposed frame, a driving shaft with universal joints therein journaled in the horizontally disposed frame with means connecting the inner end of the shaft to the power take off of a tractor on which the mounting brackets are attached and with the outer end extended into the said tool carrying head, tool mounting and actuating means positioned in the said tool carrying head and operatively connected to the driving shaft, elevating means for raising and lowering the cross head and tool carrying head, and means actuating the elevating means by the said driving shaft.

2,580,111
HEATING SYSTEM
Milton Mannist, Prospect Park, Pa., assignor of one-third to George Finkelstein and one-third to Russell F. Graef, both of Philadelphia, Pa.
Application April 6, 1948, Serial No. 19,189
9 Claims. (Cl. 219—39)



1. A heating system for building structures having skeleton joists comprising an electric radiant heating unit, means for suspending said heating unit from said joists, and means for forcing a mass of air over said heating unit and to discharge the air into the interior of the structure to heat the same by convection.

2,580,112
CYCLE TRAILER HITCH
Augusto Marchetti, Milan, Italy
Application January 13, 1949, Serial No. 70,763
In Italy December 10, 1948
4 Claims. (Cl. 280—204)



1. An attachment for hitching a trailer to a tractor vehicle having two wheels arranged in tandem; said attachment comprising an elongated element having a semi-circular central portion, means for securing the ends of said elongated member to the trailer with said member extending ahead of the latter, two laterally spaced guide means slidably receiving said semi-circular central portion of the elongated member, and mounting means for securing said guide means on the tractor vehicle at locations intermediate the wheels of the latter and substantially in the horizontal plane of the axis of the rearmost of the wheels of the tractor vehicle, said elongated member and said guide means constituting the sole means for transmitting draft between the tractor vehicle and the trailer.

2,580,113
GENERATOR FOR HYDROCARBON BURNERS
Roberto Martiri, Buenos Aires, Argentina
Application June 19, 1945, Serial No. 600,358
In Argentina April 25, 1945
2 Claims. (Cl. 158—63)



1. A hydrocarbon gas generator for cookers, stoves and other heaters, comprising a pre-heating chamber member for liquid fuel, inlet means for the liquid fuel, an extension to said pre-heating chamber member forming a gasification chamber, said gasification chamber having an extension forming a nozzle and terminating in an outlet jet located adjacent said gasification chamber, said pre-heating and gasification chambers being thermally semi-insulated from each other by means of a deep groove formed in the said gasification chamber externally of the said pre-heater and gasifier chambers, and a burner located adjacent to and in heat transfer relationship with said pre-heater and gasifier chambers for heating said pre-heater and gasifier chambers, said burner being coupled to said output jet and being permanently fed from said gasification chamber, the pre-heating chamber being of constant cross-section and provided internally with liquid fuel diffusing means, and said gasification chamber being partially filled with liquid fuel diffusing means and is also of constant cross-section and of diameter substantially smaller than the pre-heating chamber, said generator comprising closure means arranged to control the passage of fuel from the pre-heating chamber to the gasification chamber and adjustment means for said control means operable from outside said chambers, the closure means including a valve seat formed and disposed between the pre-heating and gasification chamber, a valve stem slidably disposed in the pre-heating chamber, a valve on said stem adapted to cooperate with the valve seat, and a rod terminating in an obstruction clearing needle disposed coaxially with said stem to form a continuation thereof and slidably arranged within the gasification chamber to pass wholly through the outlet nozzle thereof, said pre-heating chamber having a heat radiation surface materially larger than that of said gasification chamber to maintain the temperature thereof substantially lower than the temperature of the gasification chamber.

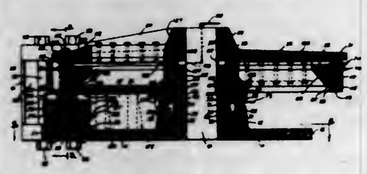
2,580,114
DRIVING MECHANISM FOR WALKING BEAM CONVEYERS
Stanley Marvin, Oakland, and William H. Orth, San Carlos, Calif.; said Orth assignor, by mesne assignments, to Peerco Corporation, San Francisco, Calif., a corporation of California, and said Marvin assignor, by mesne assignments, to Daco Metal Products, Oakland, Calif., a corporation of California
Application August 28, 1948, Serial No. 46,666
1 Claim. (Cl. 198—219)



In combination, a fixed frame having a plurality of parallel spaced supporting elements, a

movable frame having a plurality of parallel spaced supporting elements, and driving means for imparting a compound motion to said movable frame to cause the supporting elements thereof to travel a cyclic path above and forwardly and below and rearwardly of the supporting elements of the fixed frame; said driving means comprising a plurality of pairs of pivotally mounted arms, links interconnecting said pairs of arms to maintain them in parallelism, rollers carried by said arms adjacent the upper ends thereof for the support of said movable frame, a driven shaft, a first pair of eccentrics mounted on said shaft for rotation therewith, pitman arms mounted on the peripheries of said eccentrics and each connected to one of said links adapted to rock said pivotally mounted arms from an inclined position to a substantially vertical position and back to said inclined position upon a complete rotation of said shaft, another pair of pivotally mounted arms, another pair of eccentrics mounted on said shaft for rotation therewith, other pitman arms mounted on the peripheries of said eccentrics, slots in said other pair of arms for connecting said other pair of pitman arms thereto at various distances from the pivotal axis of said arms, and a slidable lost motion connection between said slotted arms and said movable frame adapted to impart a horizontal component of motion to said frame upon the rocking motion of said slotted arms.

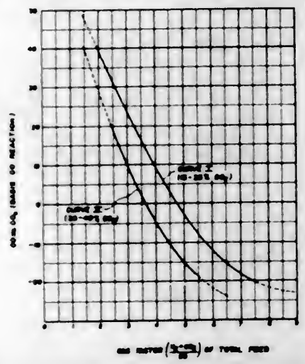
2,580,115
ROTARY STEEL SCRAP SHEARING MACHINE
Frank R. McFarland, Houston, Tex., assignor to Sheffield Steel Corporation, a corporation of Ohio
Application August 5, 1948, Serial No. 42,716
20 Claims. (Cl. 164—10.6)



1. In a machine for shearing steel scrap, a massive base member having a stop surface thereon, a massive stationary shear blade mounting member fixed on said base member, said blade mounting member having an opening therein above said stop surface, a shear blade mounted on said mounting member along a margin of said opening, a massive circular member mounted to rotate between said stop surface and said shear blade about a vertical axis and having an opening therein aligning with said first mentioned opening during rotation thereof, and a shear blade mounted on said rotatably mounted circular member at a margin of said opening therein to cooperate with said stationary shear blade.

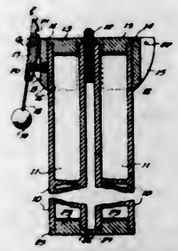
2,580,116
SYNTHESIS OF ORGANIC COMPOUNDS
Henry G. McGrath, Elizabeth, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application December 27, 1948, Serial No. 67,391
12 Claims. (Cl. 260—449.6)

1. In a process for effecting the conversion of hydrogen and carbon oxides to normally liquid organic compounds in the presence of a finely-divided alkali-containing reduced iron synthesis catalyst having no more than a minor proportion by weight of material whose particle size is greater than 250 microns, in which process a total reaction feed mixture comprising hydrogen, carbon monoxide and carbon dioxide is passed upwardly through a reaction zone containing said catalyst at a velocity effective to suspend the finely-divided catalyst in the gases in a dense fluidized pseudo-liquid condition at an effective reaction temperature between about 580 and about 650° F., and a pressure above about 80 pounds per square inch gage and a space velocity equivalent to at least 3.0 standard cubic feet of carbon monoxide per pound of iron per hour, the improvement



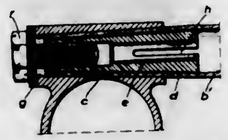
which comprises employing a total reaction feed mixture of a sufficiently low concentration of carbon monoxide between about 8 and about 17 mol per cent and of a sufficiently high concentration of carbon dioxide of between about 8 and about 30 mol per cent and a sufficiently high conversion of carbon monoxide of at least 50 per cent per pass and a hydrogen to carbon monoxide mol ratio of at least about 2.5:1 to minimize the formation of carbon dioxide and the tendency of the iron catalyst to deaerate and agglomerate, and recycling gaseous components including hydrogen and carbon dioxide of the reaction effluent in an amount effective to maintain the composition of the total reaction feed mixture including fresh feed within the above limitations.

2,580,117
STADIA ROD
Robert E. McMackin and Henry P. Becker, Dallas, Tex.; said Becker assignor to said McMackin
Application January 14, 1946, Serial No. 641,107
1 Claim. (Cl. 287—99)



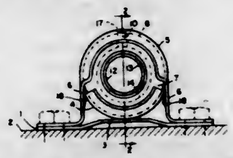
A stadia rod comprising sections connected together by a hinge at one end for foldability, one upon the other and held apart at their connected ends by the hinge, a pair of ears at the side opposite the hinge and attached exteriorly to each of said sections adjacent their hinged ends, a keeper in one of said pairs of ears; a lever actuated latch pivotally retained in the other of said pairs of ears and having a semi-circular slot therein adapted to be engaged with opposite sides of the keeper when said sections are in axial alignment, a spring normally urging said latch toward engaged position, said sections being hollow; and plugs closing the adjacent ends of the sections.

2,580,118
BICYCLE, TANDEM, OR LIKE FRAME
Emile Mercier, Saint-Etienne, Loire, France, assignor to Etablissements Mercier, Saint-Etienne, Loire, France, a corporation of France
Application July 25, 1947, Serial No. 763,540
In France February 4, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires February 4, 1961
3 Claims. (Cl. 287—54)



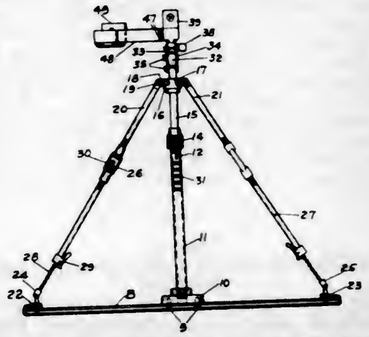
1. In a bicycle frame constituted by tubular rods, the provision of a joint arrangement between two rods in tangent relationship comprising a rod having a lateral projection with an internally slightly tapering bore open at both ends and at an angle with said rod, a cone sleeve of reduced conicity fitted inside said bore and a second rod including a slightly conical end which is wedged between the conical sleeve and the conical inner surface of the bore in the projection.

2,580,119
PILLOW BLOCK
George L. Meyers, Willoughby, Ohio, assignor, by mesne assignments, to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Delaware
Application October 31, 1945, Serial No. 625,755
6 Claims. (Cl. 308—26)



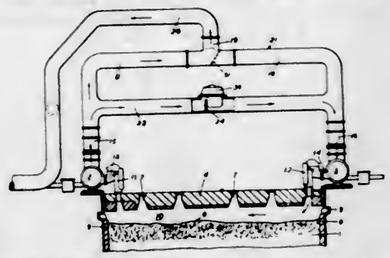
1. In a shaft bearing, the combination of opposed arcuate clamping members, said members having their inwardly directed faces transversely curved about an approximately common center; an annular member of resiliently deformable material circumferentially fitted to such faces; a bushing supported within said annular member; two axially spaced rings interposed between the latter and said bushing, said rings having outwardly directed flanges adjacent their inner ends, whereby a lubricant-retaining chamber is provided around said bushing, and said annular member being capable of being snapped over such flanges into seated position on said rings; and means adapted to draw said clamping members together.

2,580,120
ACCORDION STAND
Joseph A. Mooney, Paterson, N. J.
Application September 23, 1949, Serial No. 117,333
9 Claims. (Cl. 84—376)



1. A supporting stand for an accordion including, a relatively large base to receive the player, a relatively small support member carried on the base, an upwardly extending tube fastened to the support member, a rod preferably hollow slidably carried by said tube and extending above it with means for locking the rod in any adjusted position, a collar fastened to the rod near its upper end, a pair of adjustable brace rods pivotally attached to said collar and extending, each to a point near opposite corners of the same edge of the base, a pair of plates fastened to the upper end of the slidable rod and on opposite sides thereof, a holder having an arcuately shaped portion positioned between the upper portions of said plates, the said portion having an arcuate slot therein to receive clamping means carried by said plates, said holder having upwardly extending lugs at its opposite ends to receive and support the main part of an accordion, and an arm having some flexibility fastened at one end to one of the lugs and extending in a direction at an acute angle to said holder and having a receptacle to receive the end of the accordion key board.

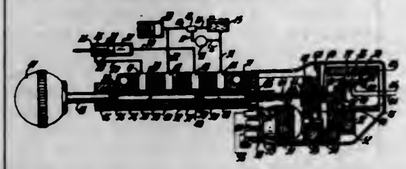
2,580,121
COKE OVEN WITH GAS RECIRCULATION MEANS
Cyril William Nash, London, England, assignor to The Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, London, England, a British company
Application February 19, 1949, Serial No. 77,367
In Great Britain February 24, 1948
6 Claims. (Cl. 202—109)



4. The combination with a battery of horizontal cake ovens arranged side by side with heating

flues therebetween, gas collecting means communicating with opposite ends of the gas crown spaces at the upper parts of said ovens, an offtake main leading from each of said collecting mains, and a suction main connected to both of the said offtake mains at a position remote from said collecting mains; of a gas duct bridging the said offtake mains and by-passing the suction main, and fan means in said bridging duct, said fan means comprising an adjustable fan and means to cause said fan to circulate gases cooled in said collecting mains alternately in opposite directions through the bridging duct, from one to the other of the offtake means, and thence to their collecting mains and through the gas crown spaces of the ovens for reverse flow in alternation therethrough.

2,580,122
FLUID PRESSURE REMOTE CONTROL SYSTEM
Sydney MacDonald Parker, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application July 2, 1944, Serial No. 543,254
In Great Britain February 26, 1943
5 Claims. (Cl. 137—139)



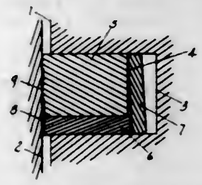
4. A device for controlling fluid under pressure to a hydraulic system comprising a valve body provided with a plurality of ports therein, a valve member arranged in the valve body for movement to preselected positions, means including an electric circuit and motor therein drivably connected to said valve member for moving the latter to one of its preselected positions, and manual means for moving the valve member to one of its preselected positions, said first-mentioned means embracing a clutch mechanism operative upon manual movement of said valve member for disengaging said motor from driving engagement with siad valve member, said clutch mechanism comprising a pair of telescopically slidable members, one of which is grooved and the other of which carries an element formed for engagement with said groove.

2,580,123
RELAY
Kenneth W. Pfleger, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 4, 1945, Serial No. 603,225
11 Claims. (Cl. 200—93)



8. In a polar relay, an armature having a fixed end and a contact-carrying end, means for clamping the fixed end of said armature, a stationary contact positioned adjacent the contact-carrying end of said armature, pole-pieces adjacent said armature and intermediate the fixed end and the contact-carrying end thereof, said armature having a region of constant cross-section intermediate said fixed end and said pole-pieces, a gradually decreasing width from said fixed end to said region, and a gradually increasing width from said region to the portion of said armature which is adjacent said pole-pieces.

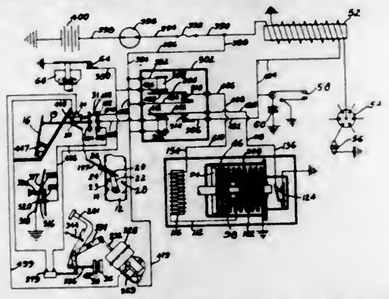
2,580,124
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application February 19, 1948, Serial No. 9,379
6 Claims. (Cl. 309—44)



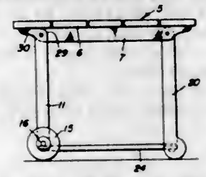
1. A piston ring assembly comprising a relatively thick split expansible cast iron main ring element, a relatively thin split expansible ring element of ribbon steel, said ring elements having cylinder wall engaging surfaces, the cylinder wall engaging surface of the thin steel element being chrome plated and relatively hard as compared to the cylinder wall engaging surface of the cast iron element, the cast iron ring element being disposed above the thin steel ring element and functioning as a compression ring element, the thin steel ring element functioning as an oil scraper element, the radial thickness of the chrome plated steel element being greater than that of the cast iron element, an expander disposed to exert radial outward pressure on the inner peripheries of both said ring elements, the outward pressure exerted on the steel element bing substantially greater than that exerted on the cast iron element, the high degree of hardness of the chrome plated cylinder wall engaging surface of the thin steel element relative to the hardness of the cylinder wall engaging surface of the cast iron element maintaining radial wear on the thin steel element approximately equal to the radial wear on the thick cast iron element and maintaining the ratio of the greater pressure of the expander against the thin steel element to the lesser pressure of said expander against the thick cast iron element substantially constant throughout the life of the ring assembly.

2,580,125
TRANSMISSION OPERATING DEVICE
Harold W. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 11, 1942, Serial No. 442,465
9 Claims. (Cl. 74—472)

1. In an automotive vehicle provided with a change-speed transmission, an internal combustion engine, an ignition system including an ignition coil for in part controlling the operation of said engine, an accelerator, a battery and a vehicle speed responsive governor, power means for in part controlling the operation of the transmission and ignition system, said power means comprising a spring and pressure differential operated motor unit including a valve operating solenoid, a power element, a power element holding coil and a grounded ignition interrupter switch and electrical means for controlling the operation of said solenoid, holding coil and switch including a relay mechanism comprising a breaker switch operable to control the operation of the ignition interrupter switch, another breaker switch operable to control the operation of the aforementioned solenoid and holding coil and further comprising electromagnetic means including a coil for operating one of the breaker switches and another coil for operating the other of the breaker switches, said electrical means further including an accelerator operated switch and a governor operated switch for controlling the operation of said electromagnetic means, electrical conductor means interconnecting in series the primary winding of the ignition coil, the first-mentioned breaker switch and the grounded ignition interrupter switch and electrical conductor means interconnecting in series the battery, the second-mentioned breaker switch, the solenoid and the holding coil.

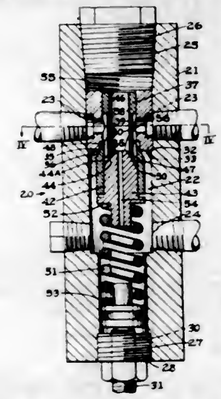


2,580,126
FOLDING TABLE
Paul H. Randolph, Miami, Fla.
Application December 9, 1947, Serial No. 790,481
1 Claim. (Cl. 311—84)



A folding table including a top having a pair of spaced parallel battens at its underside, a pair of transverse shafts journaled in the battens at opposite ends of the table, a pair of legs pivoted on one shaft inwardly of the battens and a second pair of legs pivoted on the other shaft outwardly of the battens, said legs being foldable against the underside of the top, a fixed cross brace connecting the lower ends of one pair of legs, a rotatable cross brace connecting the lower ends of the other pair of legs, a longitudinal brace fixed at one end to the rotatable cross brace for swinging into a folded position under the top together with the second pair of legs, said longitudinal brace having an opening at its free end, and a pin on the fixed cross brace engaged in said opening to lock the legs in open position.

2,580,127
PRESSURE RELIEF VALVE MEANS
Wendell E. Renick, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application September 14, 1944, Serial No. 554,018
7 Claims. (Cl. 137—153)

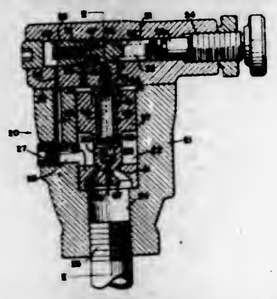


1. A relief valve comprising a body having inlet and outlet ports connected by an internal passage; a seat in said passage between said ports and dividing the passage into high and low pressure sections; a valve member slidably disposed in said passage for engagement with said seat to control fluid flow between said sections, said member also having an internal passage; a seat dividing the second internal passage into high and intermediate pressure sections, said member having restricted passage means connecting the high pressure sections of said first and second internal passages; a second valve member slidably disposed in said second internal passage for engagement with said second seat to control communication between the high and intermediate pressure sections, said second valve member having constantly open restricted passage means connecting the intermediate pressure section and the low pressure section of said first passage; both of said valve members having areas exposed to pressure existing in said intermediate pressure sections and tending to open said valves; and spring means tending to urge said valve members toward said seats.

2,580,128
PILOT UNIT FOR RELIEF VALVES
Wendell E. Renick, Grove City, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 737,983
4 Claims. (Cl. 137—53)

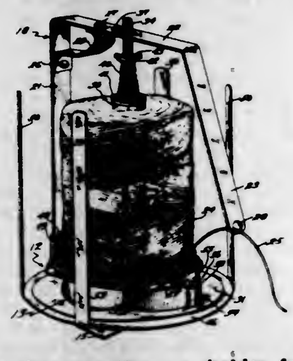
1. A pilot unit for a relief valve of the type having an inlet for pressure fluid, an exhaust, a piston valve between said inlet and exhaust and a control chamber at the opposite end of the piston from said inlet, said pilot unit comprising a body with a chamber communicating at spaced points with said inlet and said control chamber and having substantially unrestricted communication with said exhaust; a valve seat in said chamber between the points of communication thereof with said control chamber and exhaust; valve means resiliently urged toward said valve seat, from the side thereof communicating with exhaust, said valve means presenting a uniform area to action of pressure fluid when

in both open and closed condition; piston means disposed for movement in said chamber between the points of communication thereof with said



control chamber and said inlet; and passage means continually establishing restricted communication between the sections of said chamber at the ends of said piston means.

2,580,129
TANGLEPROOF TWINE DISPENSER
Charles C. Rich, Bridgeport, Conn.
Application August 4, 1949, Serial No. 108,561
4 Claims. (Cl. 242—141)



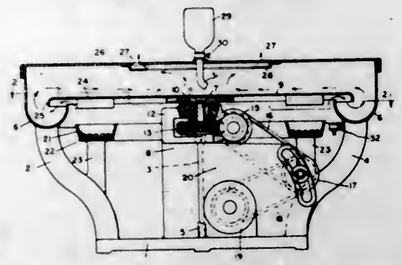
1. A tangle preventing cop holder for paying off from a freely rotatable cop a flexible line wound on a hollow core to form the cop, including in combination, a stationary frame comprising spaced apart cop straddling frame portions, bearings located respectively on said frame portions, a spindle axially spanning a distance between said frame portions long enough to extend axially through the hollow core of the cop, a turntable fixed on said spindle relatively near one of said bearings having one of its sides disposed to face one axial end of said cop, said spindle being rotatable in said bearings with sufficient freedom to permit said turntable to overrun rotary motion directly imparted thereto by line impelled rotation of said cop, a resilient device on said spindle relatively near the other of said bearings deriving thrust from said spindle and disposed to press resiliently against the other axial end of said cop in a direction to urge the cop axially against said side of the turntable with sufficient force to cause said cop to turn in unison with said turntable, and line deflecting and constraining structure including a ring-like platform closely flanking the peripheral border of said turntable and also including spaced barriers stationary with said frame distributed round about and extending axially alongside said spindle at sufficient radial distance therefrom to make room inside of said structure for said turntable and cop to overrun line impelled rotation of the latter.

2,580,130
FISHING REEL HOLDER
Horace S. Rowdon, St. Vital, Manitoba, Canada
Application October 25, 1948, Serial No. 56,360
1 Claim. (Cl. 43—21.2)



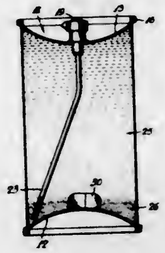
A fishing reel holder for use in trolling or the like and in combination with an anchor plate with clamp means attached thereto, a base plate mounted for rotation upon said anchor plate, a reel supporting component upstandingly attached to said base plate, a reel mounted for rotation upon said supporting component and means extending through the reel supporting component for releasing and arresting the rotation of said reel; a rod support, a rod in said support, said rod support comprising an arcuately slotted bracket adjustably connected to the reel supporting component, and a rod carrying component mounted upon the distal end of said bracket.

2,580,131
METHOD AND APPARATUS FOR COATING A LITHOGRAPHIC PLATE
George S. Rowell, Bedford, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application February 25, 1947, Serial No. 730,833
10 Claims. (Cl. 117—101)



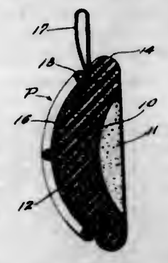
5. The method of coating a lithographic plate to form a coating of substantially uniform thickness which comprises rapidly revolving said plate in a horizontal plane about an axis generally centrally thereof, pouring a coating liquid centrally on said revolving plate whereby said liquid will be spread under influence of centrifugal force, causing a current of air to flow uniformly radially inwardly over such revolving plate from about the entire periphery of the latter during application of said liquid to dry said liquid, and removing said air from the center surface of said plate upwardly along the axis of rotation.

2,580,132
HERMETICALLY SEALED PACKAGE FOR MIXING AND DISCHARGING PAINT
Edward H. Seymour, Sycamore, Ill.
Application March 14, 1950, Serial No. 149,555
4 Claims. (Cl. 259—29)



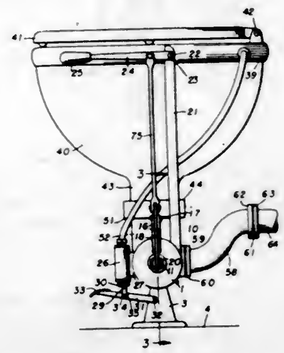
1. In a hermetically sealed container having therein a suspension of a finely divided solid material in a liquid medium under superatmospheric pressure and provided with a valve controlled discharge duct through which the said suspension may be discharged, in combination, a siphon tube communicating with and extending from said discharge duct to near the base of said container and a redispersing member which is relatively small, with respect to the cross sectional area of the container, which is longitudinally elongated, which is free of projections which would tend to become entangled with the siphon tube and which redispersing member has a specific gravity greater than that of said suspension, so that upon agitation of said container the redispersing member moves over the base of said container to remove therefrom solid material settling out of said suspension onto the base of said container and the redispersion of said solid material thus removed from the base of said container in said liquid medium is effected.

2,580,133
DIAPHRAGM TYPE PESSARY
Herbert A. Sheen, Los Angeles, Calif.
Application August 7, 1950, Serial No. 178,000
4 Claims. (Cl. 128—127)



1. A pessary-diaphragm comprising a body of sponge rubber having a convex posterior face, a form-retaining flexible framework overlying the convex face, the framework being smaller circumferentially than said body, and a non-pervious skin overlying and secured to the area of said face which is covered by the framework, the framework being joined to the skin.

2,580,134
SIMPLIFIED NONPLUGGING PUMP WATER CLOSET
Kenneth G. Shook, Marble Rock, Iowa
Application April 8, 1947, Serial No. 740,067
1 Claim. (Cl. 4—77)

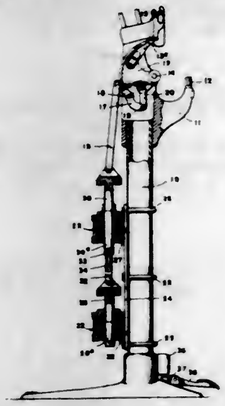


A non-plugging pump water closet comprising a horizontal cylinder, a piston and piston rod reciprocatingly slidable in said cylinder, means to actuate said piston, a toilet bowl connected to said horizontal cylinder, a web on said cylinder, a valve housing carried by said web, an inlet port in said valve housing, a lateral port connecting said valve housing and cylinder and disposed in said web, a valve reciprocatingly mounted in said housing and normally closing said inlet and lateral ports, means to operate said valve, an outlet pipe connected between said valve housing and said toilet bowl, a check valve between said toilet bowl and cylinder, discharge means for said water closet, a vertical standard on the cylinder adjacent its closed end, said first-named means including a manually operable arm pivotally supported on said standard, a link depending therefrom and a bellcrank lever connected between said link and piston rod.

2,580,135
ACTUATING MEANS FOR FASTENER DRIVING MACHINES
John G. Soave, Long Island City, N. Y., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y., a corporation of New York
Application December 29, 1950, Serial No. 203,370
4 Claims. (Cl. 1—3)

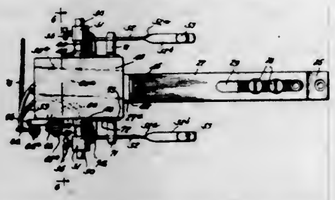
1. A press comprising a frame, an anvil mounted thereon, a sector-shaped head fulcrumed to the frame for swinging movement toward and away from said anvil, and means for actuating said head including a drive rod drivingly connected to said head and adapted upon predetermined axial movement thereof in one direction to actuate said head from a normal rest position to a working position in which it engages on said anvil, and a pair of solenoids mounted on said frame in vertically spaced relationship and with their armatures coaxially disposed to one

another and generally to the drive rod, the armature of the upper solenoid being directly



connected to said drive rod and to the armature of the other solenoid by a lost-motion connection.

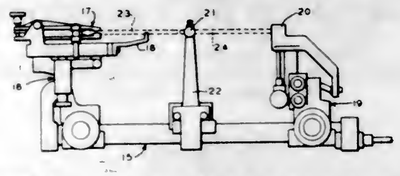
2,580,136
CIRCUIT CLOSURE FOR TEXTILE MACHINES, ETC.
Austin E. Stevens, Fall River, Mass.
Application March 1, 1948, Serial No. 12,408
1 Claim. (Cl. 200—52)



A switch for the circuit of a stop motion device for a moving web of material comprising an adjustably mountable casing, said switch casing consisting of two interfitting half sections, sleeve bushings mounted in and extending outwardly from the side walls of each half section of the casing, rock shafts mounted in said bushings, switches mounted on the inner ends of the rock shafts within the casing, web feeler arms attached to the outer ends of the rock shafts and extending outwardly past the rear face of the switch casing and adapted to extend toward the material, weights on the free ends of the feeler arms tending to move the arms to switch closing position, and an L-shaped bracket having its shorter leg adjustably attached to the rear wall of the switch casing and having its longer leg extending from the rear wall of the casing and adapted to be adjustably mounted whereby the feeler arms can be adjustably positioned with respect to the material being fed.

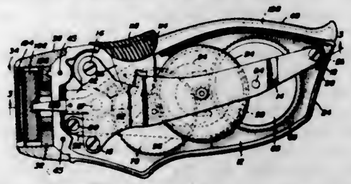
2,580,137
ELECTRODE HOLDER FOR ARC LAMPS
Eugene R. Suttle, Wichita, Kans.
Application June 15, 1950, Serial No. 168,302
1 Claim. (Cl. 313—146)

A holder for a conventional cylindrical electrode of an arc lamp comprising: a cylindrical shank of the same diameter as the electrode to be held; an enlarged integral head projecting longitudinally from one end of the shank and laterally to one side thereof only, the opposite side surfaces of the head adjacent the shank lying in intersecting planes tangent to the surface of the shank, the included angle of intersection of the two planes being between 28° and 130°; a cylindrical electrode receiving socket in said head of the same diameter as said shank and extending to the end of the shank, the socket axis being



aligned with the shank axis, and a portion of the socket between the lines of tangency of the opposite side surfaces of the head being open throughout the length of the socket; an axial slot in the head dividing it into two electrode clamping jaws; and means for forcibly moving said jaws toward each other to clamp an electrode in said socket, whereby an electrode seated in said socket abutting the adjacent end of the shank has a socket exposed side surface forming a substantial continuation of the adjacent shank surface.

2,580,138
DRY SHAVER
Norman J. Trought, Kearny, N. J.
Application December 7, 1948, Serial No. 63,892
8 Claims. (Cl. 30—43)



1. A hand operated dry shaver comprising a casing having two complementary hollow sections, a drive mechanism on a frame mounted within the casing and having an operating lever handle extending outside said casing, said sections having internal oppositely disposed flanges at the rear end of said casing and said frame having members engaging said flanges to hold the sections together at the rear end of the casing, said sections having reduced forward end portions, means securing said reduced portions together, a shaver head securable to said reduced portions and operably connected with said mechanism, and a head shield snugly fitting upon said sections and covering said securing means.

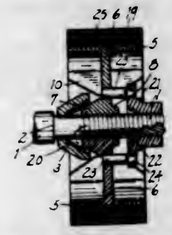
2,580,139
LIPSTICK CONTAINER CLOSURE AND LIPSTICK APPLICATOR
Parthenia L. Twisdale, Devon, Pa.
Application January 10, 1947, Serial No. 721,167
1 Claim. (Cl. 15—168)

A lipstick container closure and lipstick applicator comprising an elongated tubular closure having an outer end provided with a restricted opening, a solid partition secured in the tubular closure adjacent said outer end and sealing off said outer end from the remainder of the tubular closure, and an applicator having a base disposed in the tubular closure between the partition and said outer end and secured to the partition, said applicator including a set of bristles having one end anchored in the base and an



intermediate portion clamped in said restricted opening, the opposite end of the set of bristles projecting outwardly from the outer end of the tubular closure, and said tubular closure forming an applicator handle.

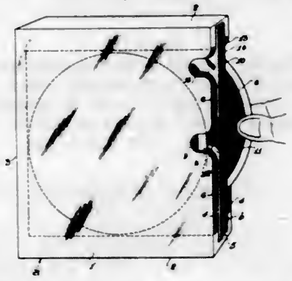
2,580,140
DRUM TYPE ABRADING DEVICE
William H. Van Zomeren, Kalamazoo, Mich.
Application August 8, 1949, Serial No. 109,155
2 Claims. (Cl. 51—194)



1. In an abrading device, the combination with a shaft provided with an abutment and with a threaded portion adjacent the abutment, of identical complementary drum members each comprising rim, hub and web elements, said drum members being pivotally connected at one side thereof and adapted, when brought together, to constitute a circular drum, said hub elements being axially slidable on said shaft and being outwardly tapered at both ends, an internally frustoconical clutch member axially movable on said shaft for supported engagement with said abutment and to coact with one end of both of said hub elements, and a second internally frustoconical clutch member coacting with the other end of both of said hub elements and having threaded engagement with the threaded portion of said shaft, each of said web elements being provided with an axially projecting stud, said second clutch member having holes therein adapted to receive said studs so that rotation of the drum in one direction on the shaft with the studs in engagement with the said second clutch member acts to move the clutch members together and clamp them upon the hub elements and secure the drum to the shaft.

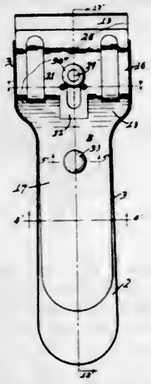
2,580,141
PORTABLE BOOK-RECORD HOLDER
Leonardo José Vidal, Buenos Aires, Argentina
Application September 30, 1949, Serial No. 118,751
In Argentina August 6, 1949
2 Claims. (Cl. 206—47)

1. A portable book-record holder which comprises a box-like member open at the front and divided by partitions into a book holding compartment and a plurality of phonograph record pockets, the latter being bound by said partitions and by the sides of said box-like member a set of notches in said sides and said partitions in the zone of maximum projection of said rec-



ords, a notch in a book housed in said compartment in line with said first mentioned notches, and a second set of notches in said sides and said partitions located outside of the zone occupied by the records when fully housed in said pockets.

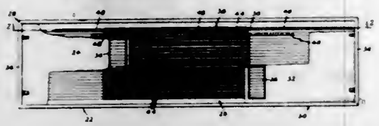
2,580,142
CUTTING AND SCRAPING TOOL
George F. Voight, El Cerrito, Calif., assignor to Alfred L. Ruff, Oakland, Calif.
Application November 13, 1947, Serial No. 785,713
1 Claim. (Cl. 30—339)



In a cutting tool, an elongated master plate, including a handle and a wide end, an upstanding flange formed along the longitudinal side edges thereof and end of the handle providing a guide, a transversely disposed depression formed in the upper surface of the wide end between said flanges, an upper complemental plate of a length less than the length of the master plate fitted between the flanges and being movable longitudinally of the master plate, said complemental plate having a depression aligning with the depression formed in the master plate, a blade having a reinforcing bar formed along the rear edges thereof, fitted within the aligning depressions, whereby the blade is held against movement within the aligned depressions, a lug upstanding from the bottom of the depression of the master plate and being spaced from the front wall of the depression a distance equal to the width of the bar, said lug engaging the bar of the blade, said blade being secured within the depression by frictional contact with the wall of

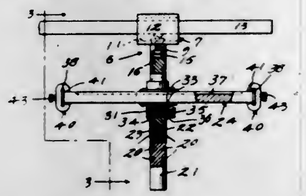
the depression and lug, and said complemental plate being movable beyond the cutting edge of the blade to guard said cutting edge, and a screw extending through the plates, securing the plates against movement with respect to each other.

2,580,143
MOVABLE STRIP INDICATOR BOARD
Frank Lloyd Wassell, Westport, Conn., assignor to Georgene Parkin Wassell, Westport, Conn.
Application October 4, 1946, Serial No. 701,287
8 Claims. (Cl. 116—136)



1. Indicating apparatus comprising a plurality of longitudinally movable strip members, said members being movable relative to and independently of one another and each member having a plurality of apertures equidistantly spaced along the length thereof, means for movably supporting said strip members, and pegs adapted to be positioned removably in said aperatures.

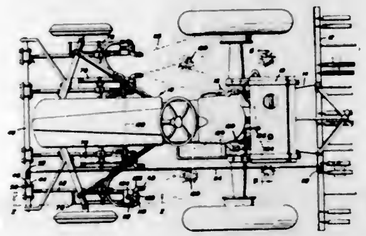
2,580,144
ADJUSTABLE TABLE ATTACHMENT
Stanley F. Webster, Nashville, Tenn.
Application January 27, 1950, Serial No. 140,849
4 Claims. (Cl. 311—103)



1. An attachment for horizontal supporting surfaces such as table tops comprising a clamp adapted to be detachably secured to an edge portion of a table top and having a bottom portion disposed therebeneath, a hanger post connected to and depending from said bottom portion of the clamp and disposed beneath the table top and substantially perpendicular thereto, a tray slidably supported on said hanger post in a plane substantially parallel to the plane of said table top, and means for adjustably securing the tray to the hanger post for supporting the tray at different levels below said supporting surface in either an inoperative position completely beneath the table top or in an operative position projecting outwardly from an edge of the table top.

2,580,145
ATTACHMENT FOR CONTROLLING WEEDS IN COTTON
Godfrey L. White, Osceola, Ark.
Application June 6, 1949, Serial No. 97,429
7 Claims. (Cl. 299—30)

1. In a tractor having a tool bar raising and lowering means; a weed spraying means comprising elongated support bars, means securing said support bars to said raising and lowering means whereby said support bars are longitudinal of the tractor and substantially parallel to the ground level, elongated runners, means pivotally securing said runners to said support bars for retaining said runners parallel to said support bars



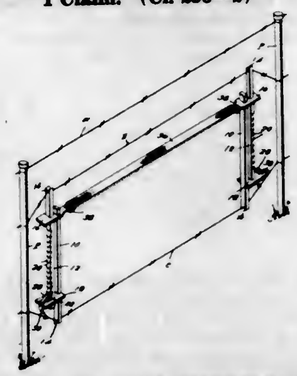
at all times, resilient means urging said runners into ground-engaging position, spray nozzles and means for supporting said spray nozzles upon said runners in adjusted vertical and angular positions relative to said runners.

2,580,146
SEAM RIPPING ATTACHMENT FOR SEWING MACHINES
Lydia K. Williams, White Lake, S. Dak.
Application July 8, 1949, Serial No. 103,721
3 Claims. (Cl. 164—17.5)



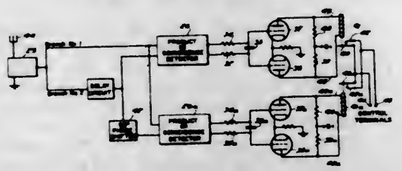
1. A seam ripping implement for sewing machines comprising an elongated body member having an enlarged head at one end thereof adapted to be detachably secured in a needle bar of a sewing machine, an elongated shank forming a restricted extension of one end of the head and adapted to extend downwardly therefrom with respect to the needle bar, the lower, free end of said shank being beveled on four sides to provide a V-shaped cutting edge consisting of downwardly converging edge portions merging to form a point, said point being disposed at the terminal of the lower end of the shank and in alignment with the axis thereof, and said shank having a longitudinal ripping needle receiving groove extending throughout a major portion of the length of the shank, said groove having a closed upper end and a lower end opening into certain of said beveled surfaces above the V-shaped cutting edge.

2,580,147
WIRE FENCE GATE
Ernest Wilson, Los Angeles, Calif.
Application August 31, 1949, Serial No. 113,336
1 Claim. (Cl. 256—2)



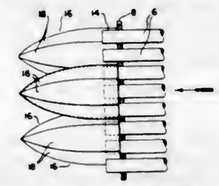
A gate for providing a passageway through a barbed wire fence, comprising in combination a pair of identical adjustably extensible members adapted to be interposed vertically in spaced apart relation between adjacent strands of wire to spread the same apart, each of said members being comprised in a pair of parallel bars, means at the inner ends of said bars interconnecting the same for relative movements of adjustment, means at the outer ends of said bars for engagement with the adjacent strands of wire, cooperative means carried by said bars to secure the same in adjusted state, and a protector strip of flexible material stretched between the upper ends of said members to lie below the upper one of the wire strands to prevent contact of the person passing through the opening between the spread wires with the upper one thereof.

2,580,148
ANTINOISE CARRIER RECEIVING SYSTEM
Walter H. Wirkler, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application December 9, 1947, Serial No. 790,501
3 Claims. (Cl. 250—20)



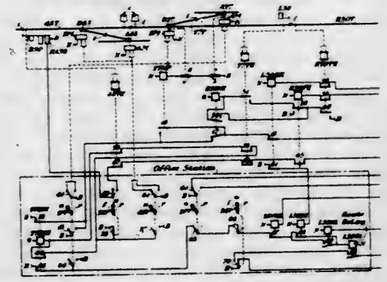
1. A circuit arrangement which is responsive to a substantially steady intelligence or control signal while substantially non-responsive to random frequency noise voltages and the like, comprising in combination first and second branches to which the received energy is simultaneously supplied, first and second product detectors, means connecting the first branch to both detectors, means connecting the second branch to one detector through a time delay network and also through said time delay network and a 90 degree phase shifter to the other detector, filter means connected to the outputs of said detectors for filtering out the uni-directional components, and means for applying said uni-directional components to control a signal responder.

2,580,149
CONTROL MEANS FOR HEAT EXCHANGE APPARATUS
John E. Woods, Cohasset, Mass., assignor to Standard-Thomson Corporation, Boston, Mass., a corporation of Delaware
Application February 27, 1948, Serial No. 11,491
1 Claim. (Cl. 257—2)



In heat exchange apparatus having a large number of tubes for the flow of a congealable liquid exteriorly and of cooling fluid interiorly, apertured tube sheets in which the tubes are mounted, control units applied to localized small groups of tubes at the rear thereof, each unit being of generally hexagonal contour to be received on a group of tubes and having bendable thermostatic leaves to close the tubes at low temperatures and to open for substantially unrestricted flow at higher temperatures, the sides of each unit engaging the sides of adjacent units to limit the movement at excessive temperatures, said engagement being only partial along the sides of the units, whereby the units are offset from a true honeycomb relationship.

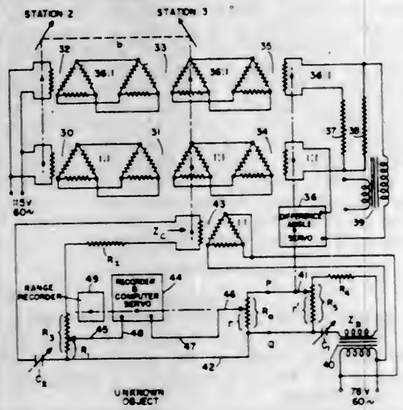
2,580,150
ROUTE CIRCUIT NETWORK CONTROL APPARATUS FOR RAILWAY SIGNALS
Earl M. Allen, Chicago, Ill., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application January 17, 1947, Serial No. 722,520
8 Claims. (Cl. 246—3)



1. In combination, a stretch of railway track, a first and a second signal located at opposite ends of said stretch for governing traffic movements into said stretch in opposite directions, a normally energized route locking relay associated with said first signal, manually controllable means for controlling said first signal and for deenergizing said route locking relay when said first signal is manually controlled to display a proceed indication, traffic responsive means for then retaining said route locking relay deenergized while a train occupies a portion of said stretch of track in advance of said first signal, a traffic responsive relay, normally energized means for energizing said traffic responsive relay but becoming deenergized when a train occupies a second portion of said stretch of track, a direc-

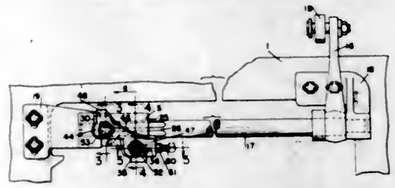
tional stick relay, a pick-up circuit for energizing said stick relay when a train moving in the direction in which it is governed by said second signal enters said second portion of said stretch, a stick circuit for then retaining said stick relay energized while said train occupies said second portion of said stretch, and a control circuit for said second signal controlled by a front contact of said route locking relay and also controlled by a front contact of said traffic responsive relay in multiple with means controlled by a front contact of said directional stick relay.

2,580,151
DISTANCE MEASURING SYSTEM
Laurence Batchelder, Cambridge, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application July 26, 1947, Serial No. 763,999
10 Claims. (Cl. 235—61.5)



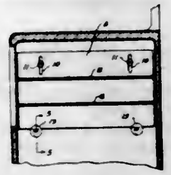
9. In an electrical range computing circuit operative by angular directional observations from points on a known linear base of a distant object whose range to one of said points is to be determined, circuit means including a potentiometer having a movable arm for establishing with said arm an electrical potential corresponding to the angle subtended by two lines extending respectively between the target and each of the observation points, locked-in self-synchronous operator means having a part located at each point, and means connecting said arm to said operator means, said operator means thereby being effective for positioning said arm in accordance with the angular positions of said parts; a transformer having relatively rotatable primary and secondary windings, a source of power for said primary winding, and an operative connection for rotating one of said windings from one of said points for establishing an electrical potential corresponding to a function of the base angle at said point; a circuit connected to said secondary winding for establishing a potential corresponding to the product of the base and the sine of said base angle; a second transformer having similar electrical characteristics to the first mentioned transformer, connected at its primary winding to said source of power and at its secondary winding to said circuit means to furnish power thereto; and means connected between said circuit means and said circuit for selecting a portion of the first mentioned potential equal to the potential corresponding to the product, whereby said range is determined.

2,580,152
PICKING SHOE FOR LOOMS
Carl P. Bergstrom, Millbury, and Albert Palmer, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application August 25, 1950, Serial No. 181,534
7 Claims. (Cl. 139—147)



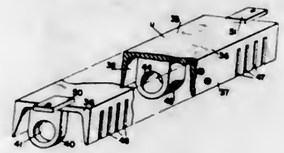
1. In a picking shoe for the picking shaft of a loom, a cam carrier having a hub for the shaft and provided with a flat abutting face the plane of which is substantially parallel to the axis of the hub, a support lug extending in the direction of the length of the hub projecting laterally from the carrier from one side of said abutting surface, said carrier having a stop surface substantially parallel to the support lug on the other side of said abutting surface, a picking cam having a part thereof for engagement with said support, a stop lug on the cam overhanging said stop surface on the carrier, and means securing the cam to said carrier against said abutting surface with the cam engaging said support lug and said stop lug engaging said stop surface.

2,580,153
STOVE AND ADJUSTABLE PLATES FOR THE OVEN THEREOF
George M. Birkic, Cleveland, Ohio
Application November 22, 1947, Serial No. 787,551
14 Claims. (Cl. 126—337)



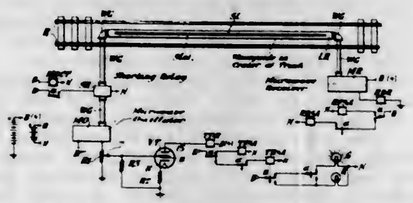
1. A stove provided with an oven having interior oppositely disposed side walls, a first plate arranged adjacent one of said side walls and having a slot extending substantially vertically therein, a second plate arranged adjacent the other side wall of said oven, each of said plates being provided with one or more rack supports, means for maintaining each of said plates in such position relative to its adjacent wall that each rack support on one plate is in horizontal alignment with a rack support on the opposite plate to maintain a rack having its opposite edges resting upon oppositely disposed rack supports on said plates in a level position when said stove rests upon a level surface, and the means for supporting the first plate adjacent the oven wall including an eccentric arranged below the first plate and a member having a threaded portion extending through the slot in the first side plate and threaded into the adjacent oven wall, said threaded member being adjustable inwardly from the first side plate to provide a guide when said eccentric is rotated, and means accessible from the interior of said oven for receiving a tool to rotate said eccentric to gradually adjust the first plate relative to the second plate to position its rack supports horizontally opposite to the rack supports on the second plate when said stove rests on an inclined surface.

2,580,154
COMBINED HEEL SHELL AND COMB FOR LOOMS
William A. Blanchard, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 6, 1950, Serial No. 166,424
10 Claims. (Cl. 139—77)



1. In loom shedding mechanism having a frame including a heel pin, a plurality of vibrator levers having downwardly opening bearings pivoted on the heel pin, a combined heel shell and comb unit mounted on the pin for angular movement thereabout and having a web extending over the levers normally restraining upward movement of the levers relative to the pin and having a comb depending from the web to space the levers, and means normally holding the unit stationary on the pin but releasable to permit swinging of the unit around the pin to a position enabling a lever to be lifted from engagement with said pin.

2,580,155
PROXIMITY DETECTOR EMPLOYING MICROWAVES
Paul M. Brannen, Duquesne, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application June 4, 1949, Serial No. 97,107
4 Claims. (Cl. 177—352)



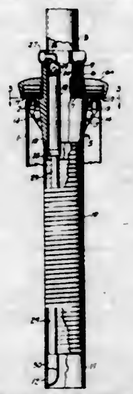
1. In a system for detecting the intrusion of objects into a protected space, in combination, a linear radiator for electromagnetic energy in the microwave spectrum coextensive with the space to be protected and arranged to radiate electromagnetic energy in a pattern to include said protected space, supply means for supplying microwave energy to said linear radiator at one end thereof, receiver means for receiving a portion of said microwave energy at the other end of said linear radiator, a first detecting means for detecting a change in the value of energy supplied to said linear radiator at said one end, a second detecting means associated with said receiver means for detecting a change in the value of energy received at said other end of the linear radiator, means for recurrently changing the value of energy supplied to said linear radiator, and checking means for detecting the recurrent response of said first and said second detecting means.

2,580,156
AUTOMOBILE BODY CONSTRUCTION
Burton J. Brown, Detroit, Mich.
Application July 15, 1947, Serial No. 761,042
3 Claims. (Cl. 296—28)



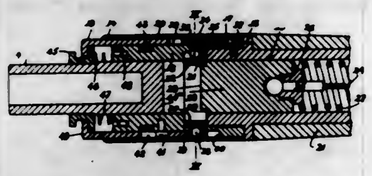
1. In a car body frame of the type described having a unitary side, top and floor framework, the combination of, main load-supporting rails extending from end to end of said structure, cantilevers extending laterally at spaced intervals from each of said rails, and arched members mounted on the ends of certain of said cantilevers intermediate the length of said rails, the ends of said cantilevers and said arched members crossing and projecting, the lower peripheral portion of the unitary framework being secured in the angle formed between the projecting ends of said cantilevers and said arched members.

2,580,157
COMBINATION FLUID DISPENSING NOZZLE AND FLUID LEVEL INDICATING MEANS
Joseph H. Chadwick, Portland, Oreg.
Application December 24, 1947, Serial No. 793,598
1 Claim. (Cl. 226—66)



An air actuated audible signal for indicating a fluid level in a tank having a filler opening, said signal consisting of an air whistle surrounding said opening and in open communication with a valve housing disposed on the interior of the opening, the valve housing being in open communication at one of its ends with the interior of the tank, a float disposed within the valve housing, a valve disposed within the valve housing and attached to said float and normally held by gravity in an open position to permit passage of air from the interior of the tank through said housing and into said whistle, said valve being adapted to be moved into a closed position to stop passage of air to the whistle when lifted by the fluid in the tank acting on the float when the fluid has reached a predetermined level therein.

2,580,158
POWER-OPERATED PORTABLE TOOL
William Henry Dean, Middleton Saint George, Darlington, England
Application December 17, 1949, Serial No. 133,569
In Great Britain December 23, 1948
4 Claims. (Cl. 125—33)



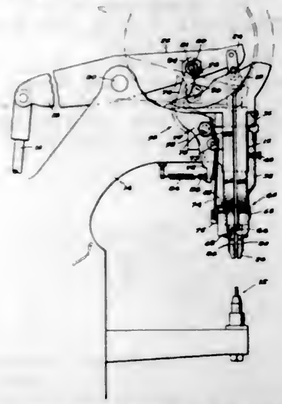
1. A portable tool having a working head including a cylinder, a tool operating piston in said cylinder, a compression spring within the cylinder acting to urge the piston in one direction, a power-driven reciprocatory mechanism driving said piston, a resiliently mounted transversely movable apertured control member disposed within the cylinder and normally yieldably held eccentric to the piston to prevent a full working stroke of the piston, means for moving said control member transversely into concentricity with the piston to permit the latter to operate through the aperture of the control member, said means including a casing carried by and movable relatively to the working head and disposed externally of said control member, and a member interposed between said casing and the external periphery of said control member coacting with the casing to transmit movement to the control member.

2,580,159
CHLOROSILYL BENZENES
Lee De Pree, Holland, and Arthur J. Barry and Donald E. Hook, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Original application September 13, 1947, Serial No. 773,926. Divided and this application September 6, 1949, Serial No. 114,286
3 Claims. (Cl. 260—448.2)

1. $C_6H_4(SiRCl_2)_2$ where R is selected from the group consisting of alkyl radicals and chlorine.

2,580,160
RIVET SETTING MACHINE WITH FAST SNAP-ACTION RIVET RELEASE MECHANISM
Thomas J. Doyle, South Braintree, Mass., assignor to Tubular Rivet and Stud Company, Quincy, Mass., a corporation of Massachusetts
Application July 13, 1948, Serial No. 38,432
3 Claims. (Cl. 218—2)

1. In a rivet setting machine having a frame, a rocker arm pivotally mounted upon said frame and a vertically reciprocal driver operatively connected to said rocker arm, a holder for supporting a rivet in alignment with the driver, a feed chute containing a supply of rivets, an escapement mechanism associated with said feed chute, cooperating elements operatively interposed between the rocker arm and the escapement mechanism for effecting release of a rivet from the feed chute into said holder substantially at the end of the elevating stroke of the rocker arm and the driver to provide a rivet for a succeeding cycle of operation, said cooperating elements including a pivotally mounted cam arm on said frame having an obtuse angled cam face at its upper terminal end, the top surface of said cam face being inclined downwardly toward the pivot of said lever, a cooperating cam contacting roller carried by the rocker arm, and a pivotally mounted lever carried by said cam arm and having its free end en-



gaged with said escapement mechanism and resiliently urged in a direction away from said escapement mechanism, the pivot for the lever being disposed a substantial distance above the escapement mechanism, said mechanism effecting the aforesaid releasing movement with a fast snap action.

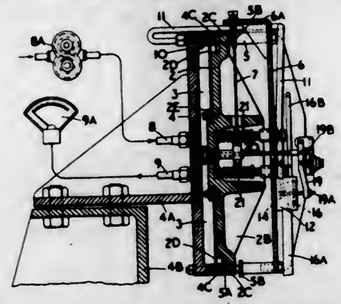
2,580,161
PROCESS OF DEINKING PRINTED WASTE PAPER
Cornelius Clarence Driessen, Little Chute, Wis.
No Drawing. Application March 13, 1947, Serial No. 734,545
1 Claim. (Cl. 92—1.5)

The process of de-inking printed waste paper which comprises preparing an aqueous solution containing a water soluble alkali, soap in the form of a sodium salt of a fatty acid having more than six and less than eighteen carbon atoms in a line, and sodium hypochlorite as the sole essentially active ingredients, said hypochlorite being made from caustic soda and chlorine, the weight of said alkali, soap, caustic soda, and chlorine not including the solution being proportioned to the dry weight of the fiber of the paper to be de-inked substantially as follows: alkali 2%; soap 4%; caustic soda 6.5%; chlorine 5%; heating said solution to a temperature consistent with easy formation of pulp by agitation, introducing a predetermined charge of waste paper into said solution and agitating it to form a pulp, maintaining said mass at a hydrogen ion concentration of a pH value of from 8.5 to 10.5, and removing colloidalized carbon from said mass.

2,580,162
LOAD MEASURING DEVICE
Geoffrey Bertram Robert Feilden, Lutterworth, near Rugby, England, assignor to Power Jets (Research & Development) Limited, London, England
Application September 13, 1945, Serial No. 616,031
In Great Britain March 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 15, 1963
6 Claims. (Cl. 73—141)

1. Apparatus for measuring variable load comprising a fixed element forming a chamber with

a circular opening, a rigid circular wall element mounted concentrically in said opening, a pliable annular diaphragm extending between the margin of said wall element and the margin of said opening, said element and diaphragm constituting a hydraulic pressure chamber with an axially movable wall, means external to said chamber to apply the variable load to said wall element, supporting structure enabling said fixed element to react to the load, an open and unrestricted delivery conduit leading into said chamber, means



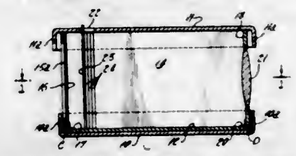
for delivering through said conduit a supply of liquid continuously and at a constant rate independent of variations of pressure in said liquid, an outlet conduit for leading said liquid from said chamber and back to said delivery means, valve means in said outlet conduit to permit a continuous but controlled flow of liquid in response to axial movement of said wall, means for ensuring that the ratio between the forces on the inner and outer edges of the diaphragm is constant, and means for indicating the pressure of the liquid in said chamber.

2,580,163
NONEXTRUDING EXPANSION JOINT
Albert C. Fischer, Chicago, Ill.; Wallace C. Fischer and Cecile G. Fischer, executors of said Albert C. Fischer, deceased, assignors to Servicised Products Corporation, a corporation of Illinois
Continuation of application Serial No. 508,027, October 28, 1943. This application April 3, 1947, Serial No. 739,176
3 Claims. (Cl. 94—18)



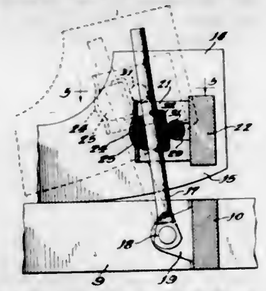
1. In an expansion joint between two juxtaposed pavement sections with a gap therebetween filled with a sealing medium, a pair of space defining elements each composed of two angularly disposed resilient plates meeting at an apex, which apex is affixed to one of the pavement sections opposite the apex of the other element affixed to the other pavement section from which apexes the resilient plates extend to approach the plates of each other element, with the ends of the opposed plates connected together to define a parallelogram of space from which said filling medium is excluded, and bearing plates for the juxtaposed ends of said elements whereby a movement of the pavement sections varies the contour of the parallelogram of space and the consequent volumetric space remaining in said gap for accommodating the sealing medium.

2,580,164
PHOTOGRAPHIC SLIDE VIEWER
Charles F. Flynn, New York, N. Y.
Application January 31, 1950, Serial No. 141,405
6 Claims. (Cl. 40—64)



1. A photographic slide viewer comprising a relatively flat casing having a bottom portion consisting of a bottom wall and integral upstanding side walls at right angle thereto and a top portion consisting of a top wall and integral depending side walls snugly fitting said side walls in the closed condition of said casing, a collapsible light chamber comprising a light-admitting front wall, a rear wall and a pair of side wall members each having its lower edge hinged to said bottom wall so as to be foldable against said bottom wall and erectable to upright positions limited by said upstanding side walls, said top portion being simultaneously adapted to form a closure for said chamber, a magnifying lens mounted in said rear wall, and means for positioning a photographic slide between said front and rear walls in the erected position of said chamber.

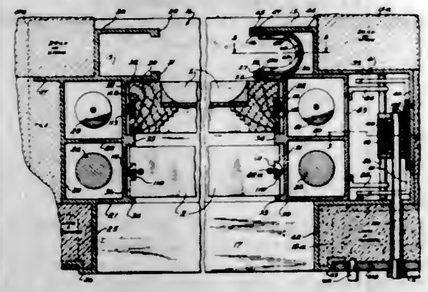
2,580,165
LOCKING DEVICE FOR PLATFORM ROCKERS
Martin Fox, Chicago, Ill., assignor to The Seng Company, a corporation of Illinois
Application June 14, 1950, Serial No. 168,119
5 Claims. (Cl. 155—72)



1. A locking device for releasably securing a rocking chair against rocking movement on its platform, comprising: a rod provided at its lower end with a mounting bracket adapted to be attached to the front cross-bar of a rocker-platform; a clamping member, adapted to be secured to the front cross-bar of a rocking chair, and provided with a laterally extending bearing to receive a cam shaft; a compressible member mounted in said clamping member and apertured to receive said rod; and a cam shaft journalled in said bearing and provided at one end with an operating arm, said shaft having an eccentric

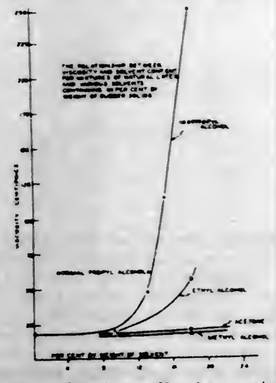
portion positioned to compress said compressible member to grip the rod when said arm is turned to locking position.

2,580,166
WINDOW
George R. Gall, Cleveland, Ohio
Application July 19, 1945, Serial No. 606,007
9 Claims. (Cl. 20—12)



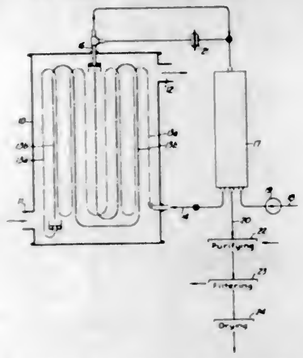
2. A window frame for movable sash comprising a head, a sill, a side member having a channelled cross-section and joining said head and sill, a movable sash engaging element having sliding contact at its ends with said head and sill and slidably mounted in the channelled section of said side member whereby to be telescopically movable therein, pins carried by said element transversely thereof at points spaced from the ends of said element and from each other, oppositely acting opposed cam means movably carried by said member in the channelled section thereof engaging said pins by the relative movement of which said element is movable relative to said member and maintained in bodily alignment therewith, and means for moving said cam means.

2,580,167
LEATHER SOFTENING ADHESIVE
Thuribe Gelinas, Rochester, N. H., assignor to Hubbard Shoe Company, Incorporated, Rochester, N. H., a corporation of New Hampshire
Application March 23, 1950, Serial No. 151,399
4 Claims. (Cl. 260—739)



1. A leather softening adhesive material comprising natural latex, propyl alcohol, and sulfonated castor oil having from 18 to 30 per cent by weight of natural rubber solids, from 2 to 18 per cent by weight of propyl alcohol and about 0.8 per cent by weight of sulfonated castor oil.

2,580,168
METHOD OF MANUFACTURE OF ANHYDROUS MAGNESIUM CARBONATE
Gunter H. Gloss, Redwood City, Calif., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
Application August 19, 1946, Serial No. 691,584
2 Claims. (Cl. 23—67)



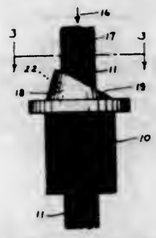
1. In a method for the manufacture of anhydrous magnesium carbonate, the steps of continuously feeding a hydrous slurry of neutral magnesium carbonate into a reaction zone together with a material selected from the group comprising sodium carbonate and sodium bicarbonate, heating the material in said zone to a temperature of the order of 200° F. to convert the neutral carbonate to basic magnesium carbonate, subsequently continuously supplying the resulting slurry to a second treatment zone, heating the material in said second treatment zone to a temperature of the order of 400 to 500 F., and maintaining pressures in said zones of the order of from 300 to 750 p. s. i., the treatment in the second zone serving to convert the basic magnesium carbonate to anhydrous magnesium carbonate, and continuously removing a slurry containing said anhydrous magnesium carbonate from the second zone.

2,580,169
DEHORNING PASTE APPLIER WITH MAGAZINE FEED
Benjamin L. Golden and Thomas J. Sullivan, Denver, Colo.
Application July 21, 1949, Serial No. 105,978
9 Claims. (Cl. 128—235)



6. A tool for applying a growth inhibiting material to the horn of an animal, comprising; a reservoir containing the inhibiting material, a nozzle member secured to the reservoir, the nozzle member being open at one end and adapted to telescope over the horn, scraping means projecting inwardly from the inside surface of the nozzle member adjacent the open end of the nozzle member for scraping the horn adjacent the base thereof, means communicating the inside of the nozzle member with the reservoir, and means for feeding the inhibiting material from the reservoir and through the last named means to deliver it to the inside of the nozzle.

2,580,170
THREAD CLEANER
Ernest A. Grimmer, Indianapolis, Ind.
Application August 4, 1949, Serial No. 108,581
2 Claims. (Cl. 74—424.8)



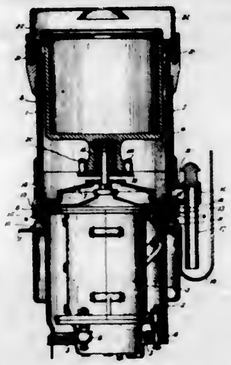
1. For cleaning threads on a rod, a member having a bore therethrough internally threaded to receive said rod screw-threadedly therethrough; an exposed face on the member extending diagonally across the threaded bore of the member and inclined to the axis of said bore in a direction oppositely to the slope of the threads on the rod in relation to the advancing direction through the member, the toothed margin of said face about said bore presenting a major thread-scraping line across a plurality of rod threads; and said member having a minor thread scraping line within said bore removed from said face, and having a passageway within which said minor line appears, and from which said passageway leads to open externally of the member, said passageway being substantially tangential to said bore.

2,580,171
HEAT-RESISTANT FERRITIC ALLOY
Erik H. Mattiasson Hägglund, Southport, Conn., and Nils Gösta Rehnqvist, Hallstahammar, Sweden, assignors to Aktiebolaget Kanthal, Hallstahammar, Sweden, a corporation of Sweden
No Drawing. Application April 6, 1950, Serial No. 154,418. In Sweden March 10, 1945
1 Claim. (Cl. 75—126)

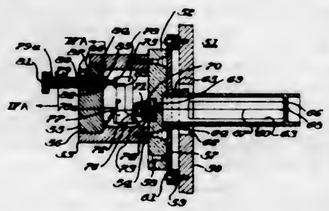
A heat resistant ferritic alloy having strongly reduced disposition for brittleness at high temperatures of substantially the following composition: chromium from about 10–40%, silicon from about 0.2–2.5%, aluminium from about 0.1–9%, the remainder being iron except for elements present as impurities and fine particles of a mixture of oxides and carbides in an amount from 0.05–10% stable at high temperatures of the order of 1200° C. uniformly dispersed in the alloy as an insoluble suspension, the alloy containing on an average at least six particles of oxides and carbides per square inch cross-section in a linear enlargement of 250 times.

2,580,172
CASING FOR THE MOTORS AND SPINNING POTS OF TEXTILE SPINNING MACHINES
Walter Hartley, Radcliffe, England
Application February 25, 1950, Serial No. 146,260
In Great Britain March 9, 1949
4 Claims. (Cl. 57—76)

1. In a textile spinning machine having a motor, and a spinning pot disposed above said motor and connected therewith for rotation thereby, the combination of a housing comprising a cylindrical casing enclosing the motor, a removable cylindrical casing enclosing the spinning pot, an intermediate member disposed between said casings and forming a cover for the motor casing and a bottom for the spinning pot casing, said intermediate member being constructed to form a drainage channel in the lower part of the spinning pot casing and having an outlet in communication with said drainage channel, resilient supporting means disposed between said intermediate member and the upper end of the motor casing, and a removable cover disposed on the upper end of said spinning pot casing.

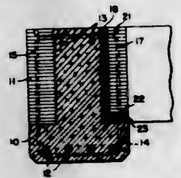


2,580,173
ADJUSTABLE TEMPERATURE RESPONSIVE DEVICE FOR COMBUSTION FURNACES
Willard J. Hatton, Jackson, Mich., assignor, by mesne assignments, to Bituminous Coal Research, Inc., Washington, D. C., a corporation of Delaware
Application September 9, 1949, Serial No. 114,773
2 Claims. (Cl. 200—137)



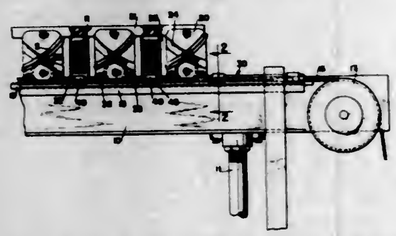
2. An adjustable temperature responsive device for combustion furnaces, comprising in combination, a wire thermally responsive to the temperature of gases passing through a duct connected to such a combustion furnace, a support for mounting the outer end of said wire in fixed position within said duct so as to expose said wire to said effluent gases, an opening through said duct to the outside thereof in coaxial relation to said wire, a headpost assembly connected to the inner end of said wire, a spring to maintain said wire under tension, means for centering said spring relative to said opening, a microswitch pivotally connected adjacent said headpost, a yieldable contact in such switch adapted to be abutted by said headpost upon the occurrence of a predetermined increase in the length of said wire, a vernier adjustment screw assembly engaging said switch to adjustably limit the position of said yieldable contact relative to said headpost, and a spring to maintain said engagement between said switch and said adjustment screw assembly.

2,580,174
CONNECTION FOR PRECAST CONCRETE GIRDERS AND BEAMS
Albert Henderson, Pittsburgh, Pa., assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa., a national banking association
Application December 31, 1948, Serial No. 68,575
2 Claims. (Cl. 72—107)



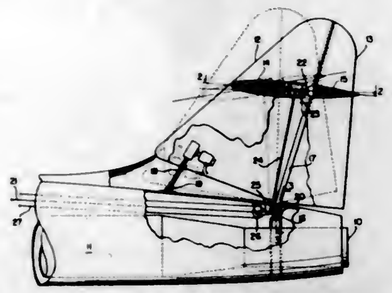
2. A building structure comprising an elongated reinforced concrete structural member oriented generally horizontally with a portion thereof adjacent its upper edge in compression, the structural member having a recess formed in said portion thereof, the recess having opposed generally vertically extending faces each of which has therein generally horizontal corrugations, the recess weakening the structural member, a second elongated precast reinforced concrete structural member oriented generally horizontally having a part thereof disposed within the recess of the first mentioned structural member, said part of the second structural member having opposed generally vertically extending faces each of which has therein generally horizontal corrugations, the faces of the recess of the first mentioned structural member being respectively opposed to the faces of said part of the second structural member, and cementitious material in load-transmitting relationship between the faces of the recess of the first mentioned structural member and the respective opposed faces of said part of the second structural member through which said part of the second structural member is supported entirely, said cementitious material and said part of the second structural member transmitting compression across the recess longitudinally of the first mentioned structural member to at least largely compensate for the weakening of the first mentioned structural member by formation of the recess therein.

2,580,175
LAY FOR NARROW WARE LOOMS
Kilbridge R. Holmes, Worcester, and Paul L. Safford, Shrewsbury, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 6, 1950, Serial No. 142,562
7 Claims. (Cl. 139—136)



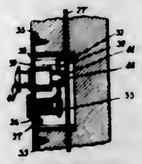
1. In a lay for a narrow ware loom, a lay beam having a slot therein containing a rack rod, spaced shuttle blocks on the beam extending over the slot, a cover plate on the beam between the blocks and over the slot, and a resilient clip extending over the cover plate resiliently engaging the beam and holding the cover plate in position on the beam.

2,580,176
ADJUSTABLE EMPENNAGE
Clarence L. Johnson, Encino, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application April 18, 1947, Serial No. 742,427
4 Claims. (Cl. 244—87)



1. In an airplane, a fuselage, an empennage comprising a vertical fin, means pivotally mounting said fin to the fuselage for angular movements in the vertical longitudinal plane of the fuselage, means connecting the fin and the fuselage in spaced relation to said pivotally mounting means and operable to adjust the angular position of said fin at the will of the pilot, and horizontal stabilizers fixedly mounted on said fin in substantially spaced relationship to said pivotally mounting means whereby the angle of incidence and lever arm relative to the center of gravity of the airplane of said stabilizers will be varied by the angular adjustment of said fin.

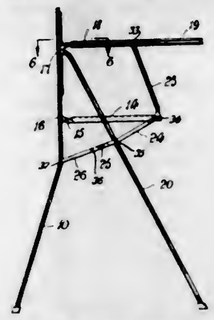
2,580,177
REVERSIBLE WINDOW SASH
Charles Kelliher, New York, N. Y.
Application October 16, 1947, Serial No. 780,138
4 Claims. (Cl. 20—49)



1. Means for retracting a locking strip into the groove of a window sash from an aligned groove of a runner so as to free the sash to be pivoted on its horizontal axis of pivotal attachment to the runner, comprising a pivotally mounted swing arm engaging the locking strip, a spring acting on said arm to maintain the locking strip in both grooves, and a manually operable actuator incorporating an axially slidable elongated member having a shaped portion constituting a cam means, said cam means normally engaging said swing arm and effective when said slidable member is manually pushed inward to swing said arm for retracting the locking strip into the groove of the sash, said slidable member being a plunger having an end exposed on the inner side of the sash to be manually pressed inward to impart

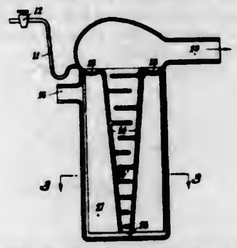
endwise movement to said slidable member to move it to act on said arm and draw the locking strip into the groove of the sash, said cam means being provided by a wall of a slot extended transversely of said plunger.

2,580,178
COLLAPSIBLE HIGH CHAIR
Alfred T. Kvarnstrom, Dearborn, Mich.
Application September 15, 1947, Serial No. 773,946
3 Claims. (Cl. 155—127)



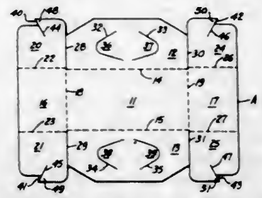
1. In a device of the class described, a back and leg structure, a seat, means hinging said seat to said structure, a front leg structure hinged to said back and leg structure below the upper end thereof and above said seat hinging means, arms having a common hinge connection with said front leg structure on said back and leg structure, linkage connecting the forward part of said arms with said seat, further linkage connecting the forward part of said seat with said front leg structure whereby said arms, seat and front leg structure may be mutually folded downwardly toward said back leg structure, and a toggle brace connecting said front and back and leg structures.

2,580,179
APPARATUS FOR VAPORIZING HEAVY LIQUID FUELS
Albert le Coënt, Henri Guillon, and René Roubinet, Paris, France, assignors to the Société Anonyme so-called: Office Central de Chauffe Rationnelle, Paris, France
Application April 6, 1951, Serial No. 219,738
In France April 3, 1950
2 Claims. (Cl. 158—53)



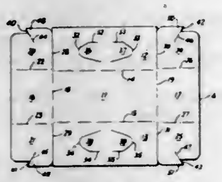
1. Apparatus for producing a combustible gaseous mixture from heavy liquid fuels comprising a furnace, a fuel introduction pipe entering the top of said furnace, a plurality of horizontal baffles on opposing interior walls of said furnace, the baffles on one said wall being staggered with relation to the baffles on the other of said walls and forming a tortuous path through said furnace, a plurality of vertical exterior webs on said furnace, a closed vessel enclosing the bottom portion of said furnace and that portion having said external webs, said furnace having a slit in the bottom thereof intercommunicating said furnace and said closed vessel, a gas inlet at the top of said vessel, and a gas outlet at the top of said furnace.

2,580,180
METHOD OF FOLDING CARTONS
Reginald B. Meller, Oakland, Calif., assignor to Bemiss-Jason Company, a corporation of California
Application June 23, 1947, Serial No. 756,452
2 Claims. (Cl. 93—49)



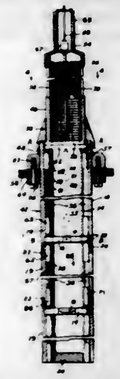
1. The method of assembling, without the use of extraneous means, such as staples or adhesive, in rigid corner forming relationship the corner portion of a flat box blank including, a main panel, two wall panels integral with, and hinged to, said main panel along fold lines forming an angle with each other, and a lock flap integral with, and hinged to, one of said wall panels along a side edge of said panel, the method comprising, severing the other panel by an internal cut of bent outline to form an internal tongue in said other panel extending towards the corner in the assembled blank, the tongue being resiliently deflectable with respect to the remainder of the other panel; cutting said flap by an external cut extending into the body of the flap from an outer edge of the flap, said external cut coinciding in the assembled corner with a portion of said internal cut, said external cut forming an external deflectable portion on said flap; deflecting said tongue relatively to the remainder of said other panel to form a wedge-shaped slit in said other panel; folding said wall panels towards an upright position with respect to said main panel and folding said flaps sufficiently close to said other panel to move into the opened cut in a direction toward the main panel in substantially face to face position with said other panel until a portion of said internal cut is in register with a portion of the external cut, in a position in which the deflectable flap portion underlies said tongue and the remainder of the flap overlies said other panel beyond the confines of said tongue, in which position also the one end of the internal cut closest to the portion of register lies to one side of the portion of register and the inner end of said external cut lies on the other side of the portion of register; and then releasing said tongue resiliently to bear against the underlying portion of said flap urging said flap edge into edge to edge interlocking engagement with the internal cut, whereby a multiple interlock is formed holding the panels in rigid corner forming position, the interlock including an edge to edge engagement sustaining compressive stress, and an interlacing engagement resisting separation of the flap and the other panel lying face to face with the flap, the inherent stiffness of the stock being utilized for automatically maintaining the interlock in edge to edge engaging position.

2,580,181
SELF-LOCKING FOLDING BOX
Reginald Beavis Meller, Oakland, Calif., assignor to Bemiss-Jason Company, a corporation of California
Application December 4, 1947, Serial No. 789,739
4 Claims. (Cl. 229—35)



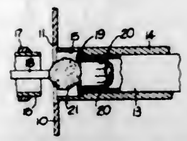
A folding box made from a sheet of foldable stock and comprising, a main panel, a first wall panel hingedly connected to said main panel along a first fold line, a second wall panel hingedly connected to said main panel along a second fold line intersecting said first fold line at an angle, said panels being foldable about said fold lines with respect to one another into a position in which they form a box corner, a lock flap hingedly connected to the side edges of one of said wall panels and foldable into a position parallel with the other wall panel when said panels are in corner forming position, and an interlock between said lock flap and said other wall panel, the interlock comprising, an internal cut of bent outline in said other wall panel forming an internal resilient tongue in said other wall panel pointing towards the box corner when the panels are in corner forming position, said internal cut comprising an upwardly sloping cut portion terminating in a terminal cut extending at an angle with regard to said upwardly sloping cut, the internal tongue, upon flexing with respect to the remainder of said other wall panel, forming a wedge-shaped opening in said other wall panel into which said flap may be swung, said flap having an external cut extending into it from an outer edge, said external cut coinciding in interlocking position with said upwardly sloping cut in line-to-line, as distinguished from point-to-point coincidence, said external cut forming an external tongue on said flap, the tip of said external tongue being bordered by said external cut and at least one outer edge of said flap, the distance from the tip of the external tongue to the point of intersection of said fold lines being less than the distance from said point of intersection to the end of said internal cut farthest from the fold line of said other panel but greater than the distance from said point to the point of intersection of said upwardly sloping cut and said terminal cut, whereby said flap is insertable into said wedge-shaped opening by a swinging motion of said one panel about its fold line, so that said external tongue comes to lie underneath said internal tongue, and said tip extending beyond the confines of said internal tongue and across said terminal cut to overlie a portion of said remainder of the other wall panel, said tip being forceable against the resistance of the stock from which it is formed, from an overlying position with respect to said other panel past said terminal cut into an underlying position, whereby a safety catch is provided maintaining the respective interlocking edges in edge-to-edge engagement.

2,580,182
SUBSURFACE FLOWMETER
Frank Morgan, Fox Chapel, Denzel W. Reed, Penn Township, Allegheny County, and Morris Muskat, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application May 1, 1947, Serial No. 745,330
8 Claims. (Cl. 73—154)



1. A flow meter comprising a housing adapted for being lowered into a well and having a passageway extending longitudinally therethrough, means carried by said housing to induce well fluid to flow through said passageway, semi-conductor means disposed in the said passageway in the path of said fluid and having the characteristic that its electrical resistance decreases in a non-linear manner with increase in operating temperature, means electrically connected to said semi-conductor means for maintaining a constant electric current flowing through said semi-conductor means, and indicating means electrically connected to said semi-conductor means responsive to variations in electrical resistance thereof, whereby the characteristics of said fluid flow may be determined.

2,580,183
METHOD OF MAKING FABRIC SACKS, ESPECIALLY FOR SURGICAL SPONGES OR THE LIKE
Carl W. Mott, Lake Ozark, Mo., assignor, by mesne assignments, to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Original application January 10, 1947, Serial No. 721,410. Divided and this application July 31, 1948, Serial No. 41,798
14 Claims. (Cl. 226—51)



14. The method of making an article of the class described, comprising the steps of: accumulating a quantity of flexible material into the form of a sack-like structure having an open mouth; arranging at said mouth a substantially annular, temporarily enlarged restricting element that has inner and outer peripheries and that is capable of being substantially reduced in circumference; folding mouth-proximate portions of the material about the element so as to lie within the structure and the inner periphery of said element; and causing a reduction in the circumference of the element to gather said mouth-proximate portions into a closure for the sack and to confine said mouth-proximate portions so as to retain the sack-like form of said structure.

2,580,184
PROCESS FOR THE OXIDATION OF CONJUNCT POLYMER HYDROCARBONS AND COMPOSITIONS DERIVED THEREFROM
Maurice J. Murray, Clarendon Hills, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 26, 1948, Serial No. 40,794
7 Claims. (Cl. 260—451)

1. A process for producing an improved drying oil which comprises contacting a mixture of conjunct hydrocarbon polymers of polyolefinic cyclic structure with an oxygen-containing gas at a superatmospheric pressure and at a temperature of from about −30° to about 200° C. for a time such as to react an approximately equi-molecular proportion of oxygen with said conjunct polymers, said polymers having been recovered by decomposition of a catalyst-hydrocarbon sludge formed in a conjunct polymerization reaction of a hydrocarbon mixture containing mono-olefins of at least 3 carbon atoms per molecule and said polymers boiling between about 150° and 450° C. and having bromine numbers above about 140, maleic anhydride values of from about 30 to about 90 and an average number of olefinic double bonds per molecule of from about 2.5 to about 4, of which from about 40% to about 70% are conjugated.

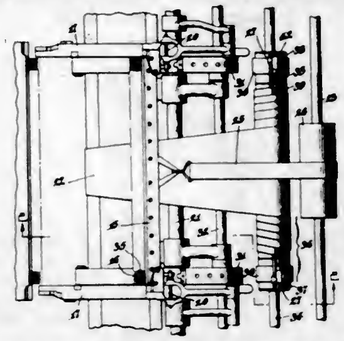
2,580,185
TRAFFIC BEARING SLAB
Harold Nagin, Pittsburgh, Pa., assignor to Reliance Steel Products Company, McKeesport, Pa., a corporation of Pennsylvania
Application May 14, 1947, Serial No. 747,881
3 Claims. (Cl. 94—8)



1. In a traffic bearing slab, a grating structure comprising intersecting metal reinforcing bars arranged to provide substantially rectangular spaces therebetween, a traffic bearing material filling said spaces, said bars and material having upper surfaces flush with each other to provide a traffic bearing surface, and means for minimizing cupping of the traffic bearing material in said spaces due to traffic passing thereover comprising a metal post arranged vertically in each of said spaces, each of said posts having a surface at its upper end spaced from said reinforcing bars and flush with and forming part of said traffic bearing surface.

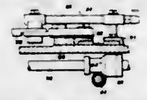
2,580,186
TAKE-UP REEL FOR KNITTING MACHINES AND METHOD OF OPERATION
Frederick W. Ruehling, Philadelphia, and Herbert Erich Haehnel, West Reading, Pa., assignors to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application February 14, 1948, Serial No. 8,334
20 Claims. (Cl. 66—149)

1. A cylindrical fabric draw-off reel unit for a flat knitting machine comprising a shaft, two end sections fixed to said shaft and having draw-off straps connected thereto, and a central section on said shaft and having bearing means between



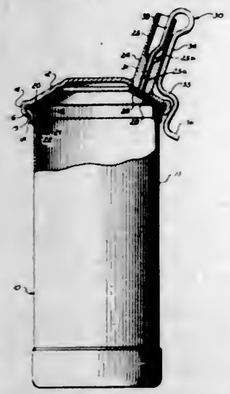
itself and the shaft adapting the central section for free rotation relative to the shaft, said central section having an uninterrupted smooth cylindrical surface.

2,580,187
NUT-TAPPING MACHINE
Rex Nichols, Edgbaston, Birmingham, and William Brown, Kings Heath, Birmingham, England
Application May 14, 1948, Serial No. 27,056
In Great Britain June 16, 1947
4 Claims. (Cl. 10—139)



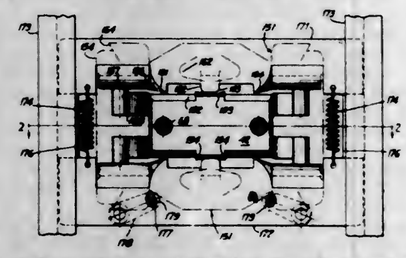
1. A nut-tapping machine of the type specified, comprising in combination a supply hopper for work pieces to be tapped, an inclined chute having its upper end in communication with said hopper so that work pieces from the latter can enter and travel down said chute under the action of gravity, a vertically arranged rotary and axially movable tap spindle, a horizontal guide which extends from the lower end of said chute and along which work pieces are movable from the lower end of said chute to a tapping position beneath said tap spindle, a feed member movable into, along, and out of, an intermediate part of said chute for successively propelling different work pieces in said chute and thereby imparting feed movements to the preceding work pieces, a rod arranged beneath said chute and provided with a lateral projection forming said feed member, said chute being slotted to allow said feed member to pass therethrough, a relatively slidable piston and cylinder operatively associated with said rod for imparting thereto axial movements with respect to said feed chute under the action of compressed air, a spring acting on said rod and tending to impart thereto lateral movement with respect to said feed chute, a second rod arranged at right angles and adjacent to the first mentioned rod, a collar provided on said second rod to impart lateral movement to the first mentioned rod against the action of said spring in response to axial movement of said second rod in one direction, and a relatively slidable piston and cylinder operatively associated with said second rod for imparting axial movements thereto under the action of compressed air.

2,580,188
DISPENSER FOR PRESSURIZED WHIPPED CREAM
Peter J. Nilsen, Oak Park, Ill.
Application January 13, 1948, Serial No. 2,005
6 Claims. (Cl. 222—394)



3. In a whipped cream dispenser the combination comprising a pressure vessel having a cup and a cover, a nozzle mounted in the cover of said vessel and providing access to the interior thereof, said nozzle having a passage of relatively small bore which terminates at its inner end substantially flush with the inner surface of the cover along the edge thereof, a sealing member comprising a resilient body of rubber-like material having an extensive surface positioned to flatly engage the inner wall of said vessel and overlap said passage for normally sealing off the same, and a separable valve plunger received in said bore, said valve plunger having means at its outer end for application of manual squeezing pressure thereon and terminating in a straight portion at its inner end for pressing against said resilient sealing member, said valve plunger occupying a major portion of the diameter of said bore to provide an annular discharge passage and freely slidable therein so as to permit resealing upon release of manual squeezing pressure, and means for positively limiting the inward movement thereof to limit the maximum rate of cream discharged to a usable value.

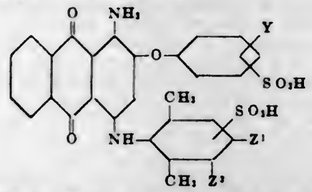
2,580,189
CARTON FOLDER
Edward J. Pagendarm, San Mateo, Calif., assignor to Bemis-Jason Company, a corporation of California
Application April 7, 1947, Serial No. 739,749
9 Claims. (Cl. 93—51)



1. A device for converting into box form cut and scored box blanks of the type comprising a main panel, side panels, and end panels hingedly connected to the main panel, the device comprising oppositely disposed, spaced rigid side panel folding members mounted with freedom of movement towards, and away from, each other; means for biasing said folding members towards each other; pairs of oppositely disposed end panel folding members biased towards each other, said end panel folding members being mounted on, and movable with, said side panel folding members and defining a substantially rectangular die aperture therewith; and a reciprocable plunger movable through said die aperture.

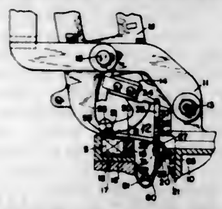
2,580,190
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Albin Peter and Jacques Günthart, Basel, Switzerland, assignors to Sandoz A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application May 23, 1950, Serial No. 163,786. In Switzerland June 3, 1949
12 Claims. (Cl. 260—373)

1. A dyestuff of the anthraquinone series corresponding to the formula



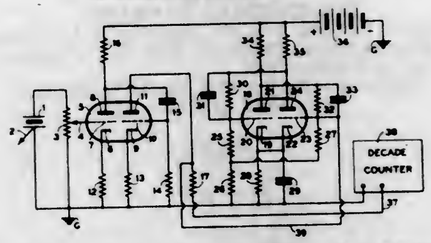
wherein Y stands for a member selected from the group consisting of alkyl containing 4 to 8 C-atoms and cyclo-hexyl, and Z^1 and Z^2 each stands for a member selected from the group consisting of hydrogen and methyl, and wherein Z^2 stands for hydrogen when Z^1 is hydrogen, and for a member selected from the group consisting of hydrogen and methyl when Z^1 is methyl.

2,580,191
PNEUMATIC THREAD REMOVER
George N. Peterson, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 8, 1950, Serial No. 148,375
22 Claims. (Cl. 139—256)



1. In a pneumatic thread remover mechanism for a weft replenishing loom having a thread remaining incident to a weft replenishing operation, a carrier movably mounted on the loom normally in inoperative position but movable to operating position and within which subatmospheric pressures exist when the carrier is in operating position, a hollow thread pick-up head having an intake mouth, a resilient tube normally supporting the pick-up head in non-pick-up position and supported by the carrier, means operating incident to a weft replenishing operation moving the carrier from the normal position thereof to the operating position therefor and effective to locate the head in thread pick-up position relatively to the weft thread and deform the tube from the normal shape thereof and cause the tube to tend to move the head beyond the pick-up position thereof with reference to the normal position thereof, and means tending to hold the carrier in the operative position thereof, said tube being effective incident to slight movement of the carrier from the operating position thereof toward the inoperative position thereof against the action of the last named means to hold the head in pick-up position due to the tendency of said tube to assume the normal shape thereof.

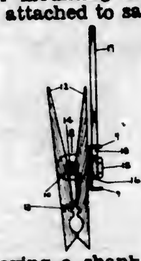
2,580,192
CONTOUR COUNTER
John T. Potter, New York, N. Y.
Application October 2, 1947, Serial No. 777,832
2 Claims. (Cl. 235—92)



1. A counting device comprising an electromechanical transducer generating pulses in response to actuation thereof by successive engagement at a predetermined maximum rate with articles to be counted with intervals of predetermined minimum duration occurring between said successive engagements, said transducer being characterized by its generation of extraneous output pulses during said intervals; a one-shot multivibrator including input and output circuits, said one-shot multivibrator being actuatable by an input pulse from a stable mode to an unstable mode for generating in the output circuit thereof a large output pulse and thereafter self-recovering to its stable mode and further including capacitor means for prolonging the recovery time to an interval not less than said intervals of predetermined minimum duration occurring between said successive engagements of said transducer; means connecting the output of said transducer to the input circuit of said one-shot multivibrator; and an electronic counter coupled to the output circuit of said one-shot multivibrator for counting said relatively large output pulses to provide an accurate count of said generated pulses unaffected by said extraneous pulses.

2,580,193
GARMENT HANGER
Frank H. Richterkessing, Louisville, Ky., assignor to W. M. Cissell Manufacturing Company, Incorporated, Louisville, Ky., a corporation of Kentucky
Application September 20, 1947, Serial No. 775,308
1 Claim. (Cl. 211—113)

In a garment hanger, the combination of a rectangular yoke and a plurality of clamps mounted thereon, said yoke member having a flat face, a flange projecting rearwardly from the upper edge thereof and provided with a hole midway between the ends of said flange, a plurality of tongue-like portions being struck from said face and projecting forwardly to provide a plurality of pairs of parallel vertical supports, pins extending horizontally through perforations in said supports for mounting said clamps, and a support member attached to said yoke, said support member having a shank that merges into an eye at one end and a hook at the other end of said shank with said shank projecting through said hole in said flange and the eye secured to said face by suitable means.



2,580,194
SURGICAL SPONGE AND METHOD FOR MAKING SAME
Howard C. Riordan and Leo Bethke, Oak Park, Ill., assignors, by direct and mesne assignments, to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application September 7, 1946, Serial No. 695,472
13 Claims. (Cl. 128—156)



1. The method of making a surgical sponge which comprises the steps of wrapping an elongated body of filling material in a fabric swatch having an unselvaged edge in such a manner that the body is bent into a semi-circular shape with its ends adjacent each other, and the edges of the swatch are gathered in a bunch on the side of the said ends, of tucking the unselvaged edges of the swatch inwardly and adjacent said ends, and of securing the swatch edges in said inwardly tucked relationship.

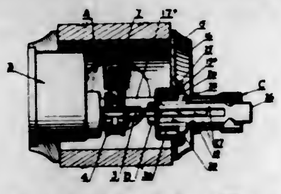
2,580,195
METHOD OF PURIFYING 4-AMINO-SALICYLIC ACID
Karl Gustaf Rosdahl, Malmo, Sweden, assignor to Aktiebolaget Ferrosan, Malmo, Sweden, a corporation of Sweden
No Drawing. Application December 13, 1948, Serial No. 65,074. In Sweden January 31, 1948
3 Claims. (Cl. 260—525)

1. A method of purifying 4-aminosalicylic acid prepared by the carbonation of amino phenols, comprising converting such 4-aminosalicylic acid into a calcium carboxylate salt, and treating a solution of the salt with an active adsorption agent.

2,580,196
LATCH BOLT HOLDBACK
Walter R. Schlage, deceased, late of Burlingame, Calif., by Anna Schlage, executrix, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application April 12, 1947, Serial No. 741,039
10 Claims. (Cl. 292—169)

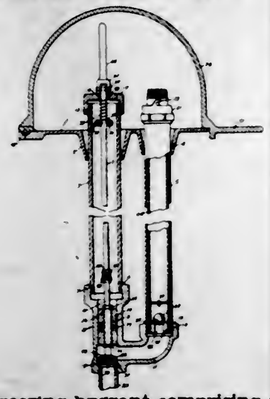
1. In a door lock, a latch bolt, rotatable means

for retracting the latch bolt, means for automatically dogging the rotatable member when the latch bolt is in retracted position to retain



the latch bolt in the retracted position, and manually actuated means movable independently of and carried by the rotatable means for releasing the dogging means to release the latch bolt.

2,580,197
NONFREEZING HYDRANT
John H. Schmid, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application September 20, 1946, Serial No. 698,268
6 Claims. (Cl. 137—13)



1. A non-freezing hydrant comprising a fitting having an inlet for connection to a fluid supply conduit and an outlet, a valve disposed in said fitting adapted to be disposed below the frost line of the earth, means adapted to extend above the earth's surface to operate said valve, a female connecting sleeve attached to the outlet of said fitting and adapted to extend to the surface of the earth, a male outlet conduit having a connecting portion adapted to be removably telescoped within said female sleeve and in communication with the outlet of said fitting and a check valve in the bottom of said male outlet conduit for checking the flow of fluid therefrom toward said valve.

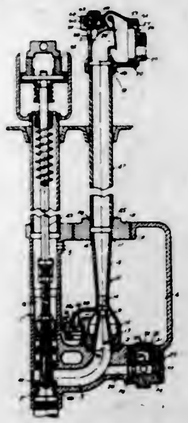
2,580,198
CHECK VALVE AND VENTING MEANS FOR HYDRANTS
John H. Schmid, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application April 4, 1947, Serial No. 739,421
10 Claims. (Cl. 137—13)

1. In combination with a vertically extending fluid line, a cup-shaped head attached to the upper end of said fluid line having an aperture in the lower portion thereof, a passageway in said head communicating with said fluid line, and a seat in said cup surrounding said passageway and in a different plane than said aperture in said cup, a check valve for sealingly engaging said seat, and a member rigidly attached to said check valve and extending from said check valve and movable therewith for sealingly engaging



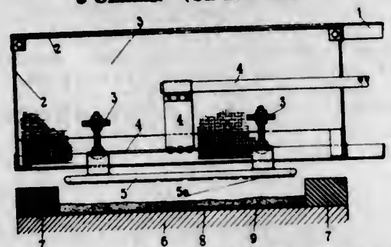
said aperture in the lower portion of said head when said check valve moves away from said seat in said head when liquid flows through said water line, said member being manually engageable externally of said head to manually unseat said check valve.

2,580,199
NONFREEZING HYDRANT
John H. Schmid, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application April 4, 1947, Serial No. 739,423
12 Claims. (Cl. 137—13)



1. A non-freezing hydrant comprising a body member, a valve in said body member, fluid conveying connections to the upstream and downstream sides of said valve, a surge tank having an aperture in the bottom thereof adapted to be disposed below the frost line of the earth, an ejector extending upwardly from the bottom of said surge tank, said ejector being connected to said upstream connection from said valve, a riser connected to the upstream side of said ejector and adapted to extend to the surface of the ground, a casing having a passageway leading from said ejector to the lower portion of said surge tank, a check valve in said passageway for checking the flow of fluid in a direction from said ejector to said surge tank, a fluid conveying connection extending from the aperture in the bottom of said surge tank to the fluid connection on the upstream side of said valve, and a check valve in said last mentioned fluid connection to check the flow of fluid from said surge tank and normally to said surge tank except when the flow of fluid is other than upstream in said ejector, said ejector being adapted to empty said surge tank through said passageway in said casing leading thereto when water flows upstream therethrough.

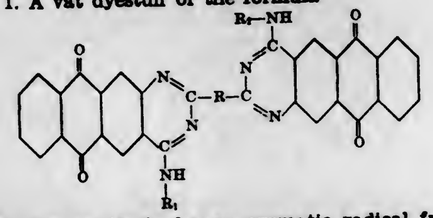
2,580,200
PRODUCTION OF CONTINUOUS WEB OR LENGTH OF SHEET MATERIAL
William John Shrimpton, London, England, assignor to British Artificial Resin Company Limited, London, England
Application August 7, 1947, Serial No. 767,256
In Great Britain January 5, 1946
3 Claims. (Cl. 18—47.5)



1. A continuous method of forming a compressed sheet having the character of wood, which comprises mixing a comminuted fibrous material with a quantity of a thermosetting plastic in unset condition sufficient to produce a plastic bond, continuously forming a thick layer of said mixture in uncompacted form on a moving band, passing the band with its uncompacted layer through a high frequency electric field to heat the resin sufficiently to cause the plastic to permeate the fibrous material and partially to set, then immediately passing the so-heated layer while still on said band into and through a second heating and pressure zone wherein the layer is directly heated by conduction to curing temperatures and compacted under pressure into its final form.

2,580,201
ANTHRAQUINONE VAT DYESTUFFS
Paul Sutter, Binningen, and Walter Kern, Sissach, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application June 23, 1949, Serial No. 100,964. In Switzerland July 9, 1948
5 Claims. (Cl. 260—261)

1. A vat dyestuff of the formula



wherein R stands for an aromatic radical free from hydrogenated and heterocyclic rings and containing up to four rings and bound directly by two ring carbon atoms to the quinazoline radicals, and wherein each of R_1 and R_2 stands for a radical of an anthraquinone-2:1(N)-acridone attached in its 4-position to the respective —NH-groups shown in the formula.

2,580,202
REINFORCED FIBROUS POROUS CUSHIONING MATERIAL
Anselm Talalay, New Haven, and Alfred P. Barton, Hamden, Conn., assignors to The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut
Application November 17, 1949, Serial No. 127,982
3 Claims. (Cl. 154—54)

6. A composite resilient spaciously intersticed cushioning slab compressible in all directions with substantially equal ease embodying in a major portion of its thickness a compressible and stretchable bat comprising a stereoreticulate open assemblage of mutually entangled resilient fibers each having a thin all-over coating of a vulcanized dispersion of rubber bonding said fibers together only at spots of mutual contact or close proximity, said coating being sufficiently sparse to leave vacant between said bonded together fibers spacious communicating interstices, a minor portion of the thickness of said slab at a face of said bat comprising an open stratum of laterally spaced apart flexible reinforcing strands each continuous in length and lying along and against said face and covered substantially all over their exposed surfaces and on both sides of said stratum by a continuous coating of a vulcanized dispersion of rubber sufficiently sparse to leave vacant between said strands sufficiently broad spaces to prevent individual strands from opposing the free ability of strands on opposite sides of said spaces to flex individually, each of said strands being bonded individually to separate fibers by connecting extensions of their said coatings of a vulcanized dispersion of rubber confined to spots of mutual contact or close proximity of each said fiber and strand, whereby the presence of said strands reinforces the stretching and tear strength of said bat while leaving the slab compressible with equal ease in all directions and whereby said interstices and said spaces are unclogged by said vulcanized dispersion of rubber leaving said interstices in open communication with said spaces so that said face of the bat is freely penetrable by respiratory air when said slab is squeezed and released.



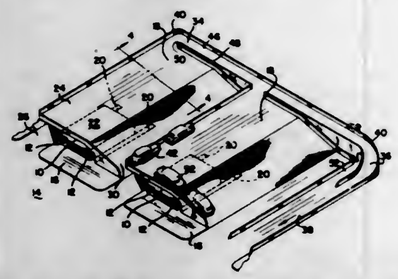
2,580,203
HAMMER DRILL
Edward Topanelian, Jr., Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 28, 1948, Serial No. 57,033
6 Claims. (Cl. 255—4.4)



1. In a fluid-operated deep well drill, the combination comprising a tubular casing, an in-

verted cup-like cylinder longitudinally mounted in said casing, means affording operating fluid access to the lower end of said cylinder, an elongate annular ram slidably disposed in and sealed against the inside of said cylinder and having a longitudinal central passage, an annular anvil block in the path of said ram slidably disposed in and sealed against the inside of said casing below the open end of said cylinder, a downward extension rigidly connected to said anvil block and adapted to be rotated by rotation of said casing and to carry a drilling tool, said extension having a longitudinal central passage connecting with the interior of said anvil block, an eduction tube extending upward from said anvil block into the interior of said ram and having a central passage connecting with the interior of said anvil block, an annular valve slidably disposed outside of and sealed against said eduction tube and adapted to seal the central passage of said ram when in engagement therewith, means permitting operating fluid access to the bottom face of said valve, and an abutment carried on the outer surface of said eduction tube and spaced from said anvil block by an amount which limits the upward travel of said valve to an amount which is smaller than the upward travel of said ram.

2,580,204
BUILDING AND PARKING ARRANGEMENT
Harry A. Toulmin, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application January 11, 1950, Serial No. 137,933
5 Claims. (Cl. 20—1.13)

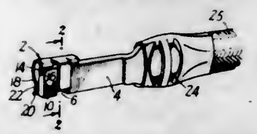


1. In a building and parking area arrangement; a building, a parking area behind the building, a platform on top of the building extending over the building and the said area and out beyond the building on one side, a drive along the other side of the building, a ramp extending the length of the platform and having its lower end lying along the edge of the said drive, said ramp being inclined at an angle to permit its use as a parking space, and an exit drive from said platform leading from the rear end thereof.

2,580,205
BLACK PRINTING INKS
Andries Veet, New York, N. Y., assignor, by mesne assignments, to J. M. Huber Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 2, 1946, Serial No. 700,827
7 Claims. (Cl. 106—23)

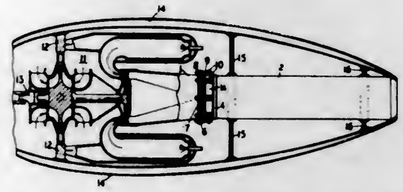
1. A black printing ink composed essentially of insoluble carbon pigment dispersed in a water immiscible liquid ink vehicle together with a solution of a toning oil-soluble dyestuff in an oil-soluble higher fatty acid and a small amount, at least about 0.2% of the ink weight, of an oil-soluble carboxylic acid zinc salt preserving the coloring effect of said dyestuff, the carbon pigment constituting nearly all the ink coloring matter and said dyestuff being present in a relatively minute amount sufficient to tone the ink color.

2,580,206
ELECTRICAL CONNECTOR
William S. Watts, Dearborn, Mich., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa., a corporation of New Jersey
Application September 2, 1944, Serial No. 552,523
7 Claims. (Cl. 287—76)



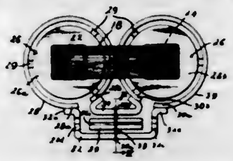
1. A connector comprising a contact blade of highly conductive metal constructed and arranged to be brought into overlapping engagement with a counterpart connector with extensive face-to-face contact, means for securing a counterpart blade in pressed face-to-face contact, and resiliently releasable interlocking means mounted on said connector and adapted to lock the counterpart connector against sliding withdrawal while in face-to-face contact.

2,580,207
JET PIPE FOR JET-PROPELLED AIRCRAFT
Frank Whittle, Rugby, England, assignor to Power Jets (Research & Development) Limited, London, England
Application August 24, 1945, Serial No. 612,469
In Great Britain May 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 13, 1962
6 Claims. (Cl. 60—35.6)



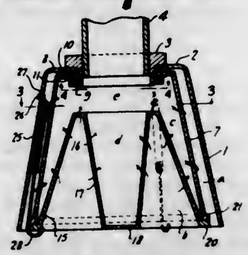
6. An aircraft propulsion power plant installation of the jet propulsion class comprising in combination a plenum chamber which in flight conditions becomes pressurized due to ram effect, a power unit within said chamber for utilizing the pressurized air therein for producing a flow of exhaust gas to constitute a propulsive jet, an exhaust or jet pipe arranged within said chamber where it is exposed to said air pressure to extend from said power unit to the exterior of said chamber for discharging said exhaust gas as a propulsive jet comprising two sections in axial alignment and axially spaced apart to provide a small gap therebetween for the ingress of said air from said chamber, one being an upstream section associated with said power unit to form for installation and removal purposes a part thereof and the other being a downstream section associated with said chamber and supported thereby to form for installation and removal purposes a part thereof and provided with a flared end for easy register with said upstream section.

2,580,208
ELECTROMAGNETIC TRANSDUCER HEAD ASSEMBLY
David E. Wiegand, Villa Park, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application December 24, 1947, Serial No. 793,729
10 Claims. (Cl. 179—100.2)



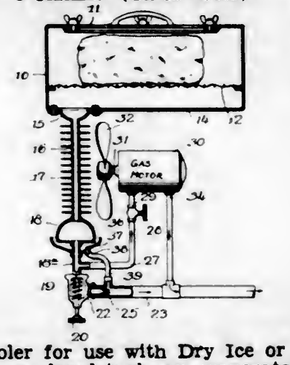
1. An electromagnetic transducer head assembly including at least one core having a pair of aligned legs, means for producing oppositely directed magnetic fields on said legs, a conducting sleeve partially encircling each of said legs, spaced conducting members joining the open ends of the sleeves, a conducting bridge electrically interconnecting said conducting members to form parallel conductive circuits, and a magnetic core member substantially encircling said bridge and having a non-magnetic gap across which a lengthy magnetizable medium may be drawn.

2,580,209
FILTER FOR FLUIDS
Robert D. Wiley, Birmingham, Mich.
Application January 12, 1949, Serial No. 70,538
5 Claims. (Cl. 210—94)



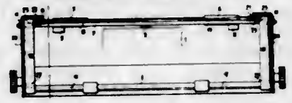
1. A filter comprising, an outer filtering member of cup form having a bottom portion and a circumferential wall portion with a rim, an inner filtering member of cup like form having a bottom portion and a circumferential wall with a rim, said inner filtering member being disposed within the outer filtering member with the rims of the walls thereof in assembled relationship, the bottom portion of the inner filtering member having an inner tubular like extension which projects into the cup formation of the inner filtering member, the circumferential wall of the inner filtering member lying between the circumferential wall of the outer filtering member and the wall defining the tubular extension and being spaced from both, the bottom portion of said outer filtering member being spaced from the bottom portion of the inner filtering member and being apertured for connection with a conduit.

2,580,210
SELF-CONTAINED COOLER USING DRY ICE REFRIGERANT
Joseph S. Zuckerman, Chicago, Ill.
Application August 22, 1949, Serial No. 111,637
5 Claims. (Cl. 62—91.5)



1. A cooler for use with Dry Ice or the like comprising a closed tank, an evaporator having one end thereof connected to said tank, a relief valve connected at the other end of said radiator and having an exhaust side, an impeller for moving fluid load past said evaporator, a gas motor for driving said impeller, means for connecting said motor across two points in said system having a gas pressure differential, a drip tray for said evaporator, an outlet for said drip tray, a Venturi section disposed at the exhaust side of the relief valve and a connection between said drip outlet and Venturi section whereby exhaust gas will aspirate water from said drip tray.

2,580,211
MARGIN STOP POSITION INDICATOR FOR TYPEWRITERS
Otto Aebi, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix, Switzerland, a corporation of Switzerland
Application July 22, 1949, Serial No. 106,193
In Switzerland April 25, 1949
6 Claims. (Cl. 197—63)

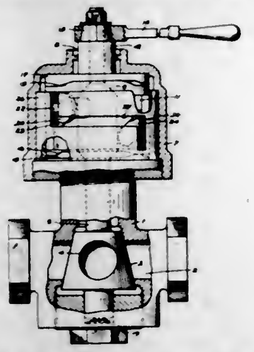


1. In a typewriter, a margin regulating device, comprising, a frame, a carriage slidable on the frame and including a platen, a stop on the frame, a pair of margin stops guided on the carriage and each carrying a finger for cooperation with the stop, a scale bar mounted on the carriage parallel to the platen and visible simultaneously with the line of typing and formed with a groove, and a pair of indicators each connected with a margin stop and movable over the bar in the groove thereof.

2,580,212
PLUG VALVE ACTUATOR
Clayton W. Anderson, East Huntingdon Township, Pa., assignor to Kathryn Schmidt Anderson, Scottdale, Pa.
Substituted for application Serial No. 510,450, November 16, 1943. This application February 18, 1948, Serial No. 9,112
10 Claims. (Cl. 74—22)

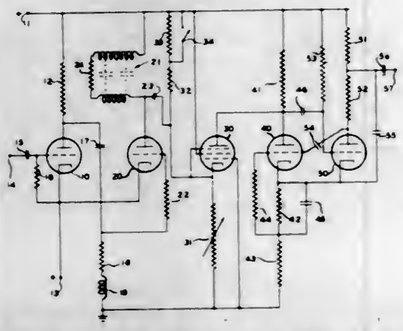
1. Operating mechanism for a valve having a casing containing a rotatable and axially mov-

able plug, said mechanism comprising a vertical stem, a rotatable and axially movable cylindrical sleeve encircling said stem and provided in its side wall with a pair of circumferentially spaced inclined slots, said sleeve being connected to the stem for moving the stem axially, a stationary member concentric with the sleeve and provided in its side wall with a pair of circumferentially spaced horizontal slots, each of said horizontal slots having an upward extension at one end normally beside the upper end of one of the in-



clined slots and a downward extension at the other end normally beside the lower end of the other inclined slot, a connecting member mounted on said stem for limited vertical movement thereon and extending into said inclined slots and normally into a pair of said horizontal slot extensions, means for rotating said sleeve relative to said stationary member, and means for moving the sleeve axially when it is first turned while the stem is prevented from turning by engagement of said connecting member with the walls of said slot extensions.

2,580,213
PULSE DISCRIMINATION CIRCUIT RESPONSIVE TO DOUBLE SETS OF PULSES
Leon Bess, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 18, 1945, Serial No. 588,993
3 Claims. (Cl. 250—27)



1. A circuit for generating a control signal upon receiving two pulses separated by a predetermined time interval comprising a differentiating network, means to impress the received pulses upon said network, a vacuum tube having at least a cathode, anode and control grid electrodes, means for impressing the output of said differentiating network on said control grid, a time delay network having a given characteristic impedance and both an input and a remote end, said input end being connected to said anode, said network being terminated at its input end by an impedance appreciably greater than said characteristic impedance and at its remote end by an impedance appreciably smaller than said characteristic impedance, said delay network having a delay interval from its input end to its remote end of one-quarter of said predetermined time interval, whereby the first of said two pulses impressed upon said differentiating network appears as a first differentiated pulse in said anode circuit and is twice reflected back from the remote end of said time delay network to said input end, whereupon said reflected pulse will be of the same polarity as, and coincident in time with, a second differentiated pulse resulting from the application of the second of said two pulses to said differentiating network and means connected to said input end of said time delay network for deriving a control signal from said coincident reflected and second differentiated pulses.

2,580,214
APPARATUS FOR UNLOADING PULVERULENT MATERIAL FROM TANKS
Michael J. Bozich, Pittsburgh, Pa.
Application November 4, 1948, Serial No. 58,253
3 Claims. (Cl. 214—83.28)



1. Apparatus for transporting dry pulverulent material comprising a closed horizontally-disposed cylindrical tank having concave inner end walls and also having its bottom portion provided centrally with a discharge opening, an air conduit extending medially within the tank substantially from end to end thereof, a pair of air blast pipe carried one at each end of said conduit and each projecting downwardly to a position near the bottom of the tank, another air blast pipe carried centrally of the conduit and projecting downwardly in substantially axial alignment with said discharge opening to within a spaced distance of said opening, and means connected with the central portion of said air conduit for supplying it with compressed air to remove through said discharge opening a load of dry pulverulent material from the horizontally-disposed tank, said central air blast pipe being sufficiently smaller in diameter than said end air blast pipes to cause enough air to drive through the end pipes to move the pulverulent material to said discharge opening, said end air blast pipes each having an inwardly directed pipe section carried near its bottom for providing inwardly directed air escape orifices.

2,580,215
APPARATUS FOR UNLOADING PULVERULENT MATERIAL FROM TRANSPORTATION TANKS
Michael J. Bozich, Pittsburgh, Pa.
Application November 4, 1948, Serial No. 58,254
5 Claims. (Cl. 214—83.28)

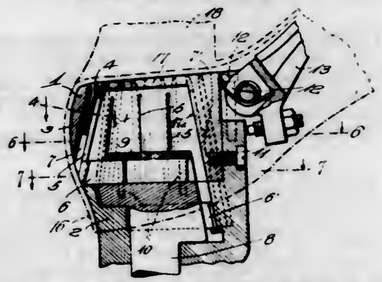
2. Apparatus for transporting dry pulverulent material comprising a horizontally-disposed, cylindrical tank car having concave inner end walls

and also having its bottom portion provided centrally with a discharge opening, an endless air conduit disposed within its bottom portion and extending longitudinally along its sides and laterally across its ends, said longitudinal portions each being provided centrally with a series of downwardly directed jet openings and said lateral portions each being provided with a series of jet openings directed downwardly and toward the



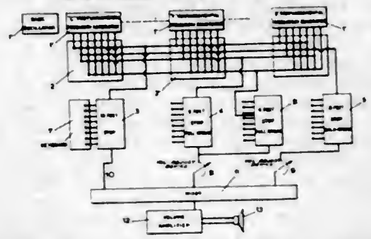
adjacent tank end, means for supplying said conduit with compressed air for removing through said discharge opening a load of dry pulverulent material, a valve within said tank closing said discharge opening, and means for raising said valve vertically upwardly from said valve-closing position, said valve being sized and shaped to cause material being discharged to flow beneath it to enter the discharge opening.

2,580,216
DEVICE FOR NAILING HEELS FROM THE INTERIOR OF SHOES
Václav Chmelař, Zlin, Czechoslovakia, assignor to Bata, narodní podnik, Zlin, Czechoslovakia, a corporation of Czechoslovakia
Application July 8, 1947, Serial No. 759,607
In Germany June 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 8, 1963
6 Claims. (Cl. 1—32)



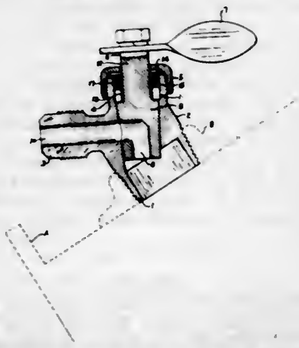
1. In a device for securing the heels of footwear by fastening means such as nails driven into the heel from the interior of the footwear, the combination of a hollow body shaped for reception of the counter-portion of the footwear, said hollow body having a cavity therein terminating in depending lateral side walls and a depending front end wall, tubular guides for the fastening means extending in the body obliquely with respect to the front end wall of the cavity, said tubular guides having longitudinally extending slots therein opening into the interior of the hollow body, drivers slidable in the tubular guides, lateral projections on the drivers extending through the slots in said tubular guides, and an operating plunger common to said drivers the lateral projections on said drivers being disposed in transverse planes extending through the bases of the slots in said tubular guides when the plunger is at the beginning of a driving stroke, said drivers being confined in linear paths through said tubular guides by coacting guide grooves in said plunger during an entire driving stroke of the plunger.

2,580,217
ELECTRONIC MUSICAL INSTRUMENT
Don Pierre Louis Jean Emile Colombani, Paris, France
Application February 21, 1950, Serial No. 145,464
In France February 22, 1949
8 Claims. (Cl. 84—1.19)



1. Electronic musical instrument provided with operating keys, comprising: a first oscillator generating a predetermined fixed pilot frequency, a series of frequency generators in a number of equal to the number of notes in the scale and each generating a related prefundamental frequency; a plurality of series of frequency changing means each associated with a corresponding one of said prefundamental frequency generators, each series generating respectively second frequencies equal to the sum of a corresponding even harmonic of the related frequency for the related note in the lowermost octave and of said pilot frequency; first means for causing said prefundamental and said second frequencies to beat with said pilot frequency; a plurality of key-operated means for operating corresponding ones of said first means; a series of discriminators each connected to a related one of said frequency changing means generating an harmonic of high rank of the corresponding note and each tuned to said pilot frequency; and means for applying the output of said discriminators to the related one of said prefundamental frequency generators, respectively.

2,580,218
SHUTOFF COCK
Neil R. Conant, Detroit, Mich., assignor to Anderson Brass Company, Detroit, Mich., a corporation of Michigan
Application April 12, 1948, Serial No. 20,469
1 Claim. (Cl. 251—95)



A valve comprising a body having an exteriorly threaded end for engagement in a threaded aperture of a liquid container, the body having a longitudinally apertured and exteriorly thread-

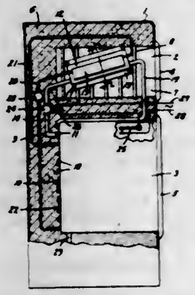
ed extension on one side arranged at an obtuse angle to the longitudinal axis of said end to facilitate the attachment of a conduit coupling to said extension, said body also having an exteriorly threaded hollow end portion at right angles to said extension, an apertured cap threaded upon said end portion, an apertured plate supported within said cap and bearing against the outer end surface of said end portion, the body having a tapered seat, a tapered valve for seating thereon and having a stem extending through said end portion, said plate and said cap, a coiled spring about the valve stem with one end seating against the valve, a second apertured plate on the stem engaged by the other end of said spring, packing means surrounding said stem and interposed between the said plates, said valve having an L shaped passage providing communication with the aperture in said extension, and a lever upon the outer end of said stem for rotating said valve to control the flow of fluid through the longitudinally apertured extension.

2,580,219

CONTROLLED HUMIDITY REFRIGERATOR

La Mar S. Cooper, Cedar Rapids, Iowa, assignor to General Electric Company, a corporation of New York

Application May 25, 1948, Serial No. 29,124
10 Claims. (Cl. 62—125)



1. Refrigerating apparatus including a cabinet having a food storage compartment, a first evaporator arranged at the lower portion of said compartment, a second evaporator arranged at the upper portion of said compartment, means including a refrigerant condensing unit for supplying refrigerant to said first evaporator for operation at a temperature above the freezing point of water to maintain a high relative humidity in said compartment and for supplying refrigerant to said second evaporator for operation at a temperature below the freezing point of water to prevent excessively high humidity in said compartment, control means for rendering said second evaporator normally inoperative, and means responsive to a predetermined temperature of the air within said compartment for actuating said control means to render said second evaporator operative.

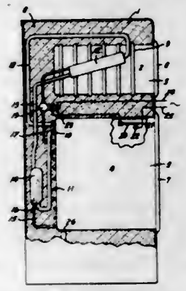
2,580,220

SECONDARY REFRIGERATION SYSTEM

La Mar S. Cooper, Cedar Rapids, Iowa, assignor to General Electric Company, a corporation of New York

Application May 25, 1948, Serial No. 29,125
11 Claims. (Cl. 62—125)

1. Refrigerating apparatus including a cabinet having a food storage compartment, a liner for said food storage compartment, a first evaporator secured to the lower portion of said liner for refrigerating said food storage compartment, a second evaporator secured to the upper portion of said liner for directly refrigerating said compartment, means including a refrigerant condensing unit for supplying refrigerant to said first evaporator for operation at a temperature above the freezing point of water to maintain a high relative humidity in said compartment



and for supplying refrigerant to said second evaporator for operation at a temperature below the freezing point of water to prevent excessively high humidity in said compartment, means responsive to a predetermined temperature within said food storage compartment for discontinuing refrigeration by said first evaporator, and means rendered effective only upon discontinuation of refrigeration by said first evaporator for directing refrigerant to said second evaporator.

2,580,221

CATALYTIC DEHYDROGENATION OF PIPERAZINE TO PYRAZINE

James Kenneth Dixon, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 12, 1946, Serial No. 661,875
20 Claims. (Cl. 260—250)

1. The method of producing pyrazine which comprises completely vaporizing piperazine; passing the vaporized material over a catalyst, selected from the group consisting of materials of the formulae M and MO, where M represents cobalt, nickel and copper, and Fe_2O_3, at temperatures of from 350°–450° C.; condensing the condensable portion of the reacted vapors and isolating the pyrazine content of the condensate.

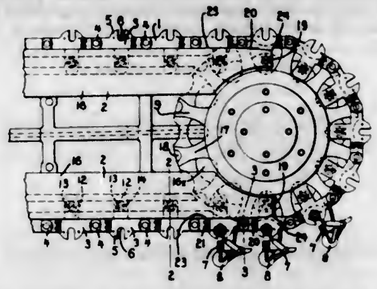
2,580,222

CONVEYER

Stanley J. Gartner, Emporium, Pa., and August E. Kulberg, Beverly, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application November 9, 1946, Serial No. 708,910
7 Claims. (Cl. 198—137)

1. A conveyor mechanism comprising a plurality of pivoted links, a frame upon which the links are supported, a stationary guide rail on the frame acting to positively guide the links in a substantially straight path, a curved guideway spaced from the stationary guide rail and movable with the conveyor, means on said links coacting with said stationary guide rail and said curved guideway to cause the links to follow a predetermined path, an intermediate guide means between the stationary guide rail and the curved guideway, and separate means secured to said links coacting only with the said intermediate



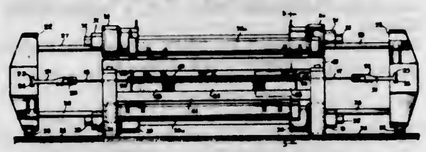
guide means to guide the links while traveling between the stationary guide rail and the curved guideway.

2,580,223

APPARATUS FOR EXTRACTING MANDRELS FROM CAVITIED PLASTIC STRUCTURES

Desire Gonda, Sittingbourne, England, assignor to Holopast Limited, Kent, England, a British company

Application July 10, 1948, Serial No. 38,038
2 Claims. (Cl. 154—1)



1. In apparatus for extracting mandrels from the opposite ends respectively of a plurality of parallel cavities in a plastic structural unit which has been treated under pressure with the mandrels therein, the combination comprising means for supporting and retaining the structural unit in generally horizontal position, power operated clamping means for applying pressure along the two side edges of the structural unit to press same against said supporting means to restrain movement of the unit, jaw means for engaging said mandrels at opposite ends of the structural unit, means constructed and arranged to support said jaw means respectively for linear movement in opposite directions from said cavity ends, and fluid pressure operated plunger and cylinder means both above and below said frame means and constructed and arranged simultaneously to thrust said jaw means in said opposite directions with substantially equal forces.

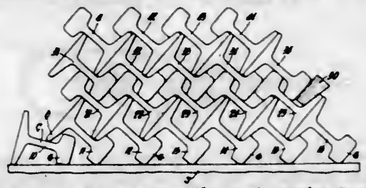
2,580,224

PILE OF T-RAILS AND METHOD OF BUILDING IT

Dorè W. Grazier, Johnstown, Pa., assignor to United States Steel Company, a corporation of New Jersey

Application February 23, 1950, Serial No. 145,643
4 Claims. (Cl. 214—10.5)

1. In a method of building a pile of T-rails, the steps including laying a first course of rails side-by-side with their heads disposed downwardly and bearing on a support and one edge of the flange of each rail in said course engaging the exposed side of the web of the adjacent rail, thereby causing the webs of the rails to make an oblique angle with the horizontal, laying a second course of rails on said first course with their webs inclined at said angle to the horizontal and their flanges bearing on those of the rails of the first course, then laying a third course of rails



on said second course with their webs inclined at said angle to the horizontal and the tops of their heads disposed downwardly and engaging those of the rails in the second course in partly overlapping relation.

2,580,225

ROTATING POINTER CHANCE DEVICE

Henry J. Harrison, El Paso, Tex.

Application May 25, 1948, Serial No. 29,130
1 Claim. (Cl. 273—141)



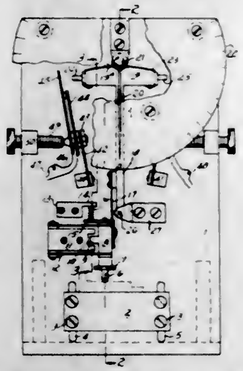
A device of the character described comprising a translucent display front face having twelve clock face numerals thereon, a horizontal shaft coaxial with the numerals and projecting thru the front face, an elongated hour-hand indicator balanced on said shaft in front of the face, an armature type shaft motor for driving the shaft by means of its armature on the shaft, a 12-point magnetic star wheel on the shaft between the motor armature and the indicator, a horseshoe type magnet with its gap in approximate alignment with one of the clock face numerals, said magnet being rotatably adjustable about an axis parallel to and spaced from the axis of the shaft so as to bring the indicator into exact registry with one or the other of the two proximate numerals when the shaft is about to stop, a synchronous motor, a slowly rotating cam disk driven thereby, a normally open switch for energizing the shaft motor for intermittent periods of time as the cam disk is revolved by the synchronous motor to close the switch periodically, a transformer having a primary in parallel with the two motors, a series of light bulbs alternately of two contrasting colors radially positioned in rear of the translucent front face, each in registry with one of said numerals, and an additional series of light bulbs of a third color below the clock face numerals, said bulbs all being connected to the secondary of the transformer whereby the lights will continuously be lighted when the device is in operation and the indicator will spin periodically, first under the urge of the shaft motor and then freely with the armature of said motor acting as a fly-wheel and will come to rest at the end of each cycle at random pointing exactly to one of the twelve clock face numerals.

2,580,226
BATH IMPLEMENT
Arthur C. Hempel, Detroit, Mich.
Application February 4, 1949, Serial No. 74,588
11 Claims. (Cl. 15—231)



5. A bath implement comprising an inflatable bladder member having a readily compressible top and bottom wall, said walls being spaced apart a distance less than the length and width of said bladder and being shaped to provide an endless tubular compartment and a supporting member extending into said bladder from one side thereof between said top and bottom walls and connected to said bladder at the central portion of said tubular compartment.

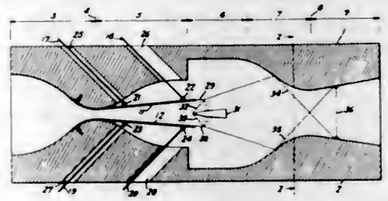
2,580,227
GAUGE
Joseph C. Hoover, Detroit, Mich.
Application July 5, 1946, Serial No. 681,484
1 Claim. (Cl. 33—148)



A gauge indicator comprising an upright base an upright actuating bar rotatably supported at its lower end upon said base in parallel spaced relation thereto, a vertically reciprocal shaft pivotally joined at its upper end to an intermediate portion of said bar, an enlarged head at the upper end of said bar, a calibrated dial plate supported upon said base in parallel spaced relation thereto, a transverse shaft journaled upon said base and projecting through and forwardly of said dial plate, a cord upon said head having its opposite end secured thereto in spaced relation, said cord having several turns thereof wound upon said shaft, whereby rotatable movement of said head and bar causes rotation of said shaft, and a pointer secured upon the outer end of said shaft in registry with said dial.

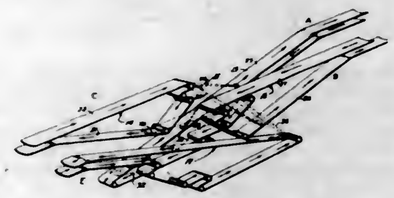
2,580,228
SUPERSONIC WIND TUNNEL
Robert H. Johnson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 31, 1950, Serial No. 193,259
3 Claims. (Cl. 73—147)

1. In a supersonic tunnel comprising contour blocks of pre-shaped contour, defining a two-throated passage with an enlarged test section disposed between said throats, a pair of flexible walls attached to said contour blocks and conforming to the contour thereof to the first throat of said tunnel, said flexible walls then



being disposed in a steadily diverging manner downstream of said throat to and terminating at the beginning of said test section, and means for deforming said diverging section of said flexible walls to conform with the shape of said contour blocks downstream of said throat.

2,580,229
LONG-RANGE HAULAGE CONVEYER SYSTEM
Myron A. Kendall, Aurora, Ill., assignor to Stephens-Adamson Mfg. Co., a corporation of Illinois
Application March 11, 1949, Serial No. 80,796
7 Claims. (Cl. 198—45)

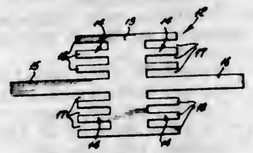


1. In long range haulage apparatus, a series of belt conveyors running in the same direction and adapted to deliver the head end of one to the tail end of the next in series, a second series of belt conveyors running in the direction opposite to that of the first series and adapted to deliver the head end of one to the tail end of the next in series, and means to transfer load from the upper run of a conveyor in one series to the lower run of the next conveyor in the other series, and from the lower run of a conveyor of one series to the upper run of the next conveyor of the other series.

2,580,230
IMPROVED POLYVINYL ACETATE EMULSION CAPABLE OF DEPOSITING WATER-RESISTANT FILMS AND BONDS
Walter G. Kunse and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application March 24, 1950, Serial No. 151,812
6 Claims. (Cl. 260—29.6)

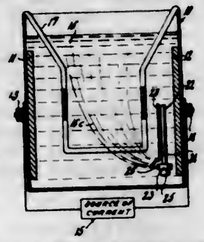
1. A composition comprising a tacky aqueous emulsion of polyvinyl acetate, and from ½ to 25% by weight of said acetate of bentonite.

2,580,231
HANGER
Raymond R. Lamm, Philadelphia, Pa., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application December 8, 1947, Serial No. 790,189
6 Claims. (Cl. 248—300)



1. A fastening and supporting device adapted to be cementitiously applied to a supporting surface, comprising a substantially rectangular body portion, a pair of spaced substantially rectangular wing portions extending outwardly from each of two opposite sides of said body portion, and an arm portion disposed between each of said pairs of wing portions, said arm portions being integral with and extending outwardly from said opposite sides of said body portion substantially beyond the outer margins of said wing portions and being adapted to be bent at right angles to the plane of the body portion and wing portions, each of said wing portions being of substantially greater width than said arm portions and being provided with a plurality of apertures.

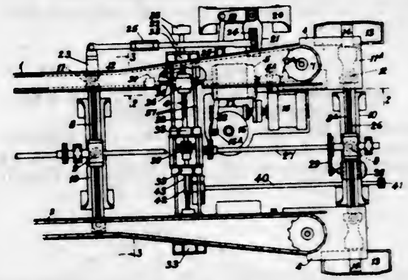
2,580,232
HYDROELECTRIC TREATMENT PLANT WITH AIR SUPPLY
Fred Landauer, Rockville Centre, N. Y.
Application October 21, 1947, Serial No. 781,123
7 Claims. (Cl. 128—370)



1. The method of modifying the distribution of electrical charges in a bath liquid containing electrodes of opposed polarities which method consists in introducing a substantially non-conductive gaseous fluid stream into the bath liquid and at a location intermediate said electrodes, causing said fluid stream to isolate electrically charged particles of said liquid, and directing said filuid stream to convey said charged particles to points within said bath liquid having a potential different from that of said particles.

7. An electric treatment apparatus comprising a vessel adapted to contain a treatment liquid, a pair of electrodes within said vessel, said electrodes being adapted to establish an electric current flow within said liquid and being spaced from each other a sufficient distance to accommodate a body part for treatment therebetween, gas discharge means arranged within said vessel intermediate said electrodes and adapted to direct a gas stream within said liquid transversely to said electric current flow, and shield means located in front of said electrodes and adapted to prevent said body part from contact with an electrode.

2,580,233
SYNCHRONIZED STENTER DRIVE
Kenneth Somerville Laurie, Glasgow, Scotland, assignor to John Dalglish, Glasgow, Scotland
Application March 10, 1947, Serial No. 733,568
In Great Britain December 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1964
7 Claims. (Cl. 26—57)

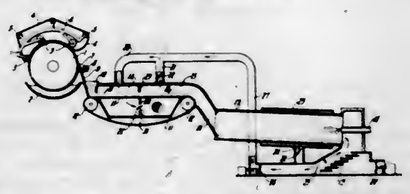


1. A stenter comprising a pair of stenter chains, a pair of guide rails carrying the chains, individual electric motors mounted one on each guide rail and in driving connection with the chains and operable simultaneously to drive the chains, jigging mechanism adapted to move the guide rails to cause longitudinal jigging of the chains, and a mechanical synchronising connection between the two motors adapted to apply a correcting torque if either motor tends to vary in speed in relation to the other motor.

2,580,234
ACYLATION OF DIARYLGUANIDINE SALTS OF DIAMINOSTILBENE SULFONIC ACIDS
Hans Z. Lecher, Plainfield, and Dale R. Eberhart, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application April 26, 1951, Serial No. 223,174. Divided and this application April 4, 1950, Serial No. 153,992
6 Claims. (Cl. 260—507)

1. The method of acylating a sulfonic acid of 4,4'-diaminostilbene, which comprises heating a mixture comprising a symmetrical diarylguanidine salt of the selected aminosulfonic acid, an acid halide, and an inert organic solvent.

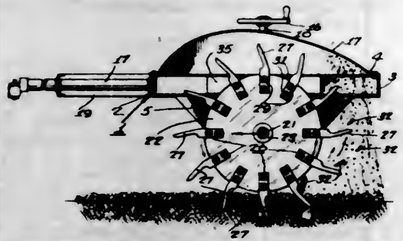
2,580,235
MANUFACTURING WET PROCESS CEMENT
Otto George Lellep, Berkeley, Calif.
Application February 28, 1947, Serial No. 731,505
4 Claims. (Cl. 263—53)



1. An apparatus for manufacturing wet process cement comprising a rotary kiln having a pretreatment apparatus into which the hot exhaust gases from the kiln are delivered, in combination with a filter drum having a pervious wall, means

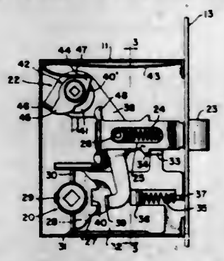
for establishing a reduced pressure at the interior surface of the said pervious wall, means for delivering cement slurry to the exterior surface of said pervious wall, a compacting means disposed immediately above the exterior surface of said pervious wall and positioned to compress material carried on the said exterior surface, and delivery means operably associated with said exterior surface and compacting means for receiving material from said exterior surface and delivering the material to the said pretreatment apparatus.

2,580,236
TURF PENETRATING MACHINE AND ELEMENT THEREFOR
Thomas C. Mascaro, West Point, Pa., assignor of one-half to Anthony Mascaro, West Point, Pa.
Application October 9, 1947, Serial No. 778,775
17 Claims. (Cl. 97—52)



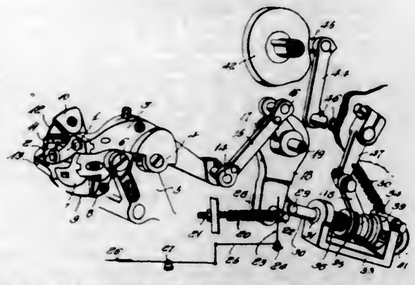
1. In cultivating apparatus for aerating and treating grass turf including a wheeled carriage adapted to traverse turf to be cultivated, a plurality of soil engaging elements rotationally movable relative to said carriage and arranged to engage and penetrate the soil, said elements each including an elongated soil engaging portion of substantially uniform concavo-convex cross-sectional shape lengthwise thereof with the concave face of said portion facing in the direction of movement of said elements relative to the carriage.

2,580,237
LATCH
Frank McConnell, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application May 8, 1947, Serial No. 746,708
5 Claims. (Cl. 292—169)



5. In a device of the character indicated, a latch bolt, actuating means for said latch bolt, dogging means for said actuating means, said dogging means including a single lever doggingly engageable with said actuating means, eccentric actuating means for moving said lever into and out of engagement with said actuating means, and throw-off means for said dogging means and including an abutment on said latch bolt in actuating relation with said eccentric actuating means when said eccentric actuating means has been actuated to move said lever to dogging position.

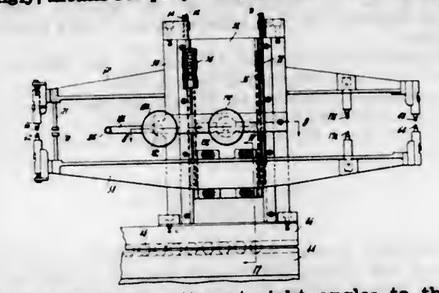
2,580,238
PRESSER FOOT CONTROL FOR SEWING MACHINES
Miloslav Muc, Slatinice, near Olomouc, Czechoslovakia, assignor to Bata, narodni podnik, Zlin, Czechoslovakia
Application February 24, 1947, Serial No. 730,615
In Germany January 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 30, 1963
7 Claims. (Cl. 112—61)



1. In a bootmaker's sewing machine, a driving means, a presser-foot, a work-piece support, spring means for urging said presser-foot towards the work-piece support and an associated lever and rod system operable by the driving means for temporarily subjecting the presser-foot to additional pressure during sewing operation for the purpose of tightly clamping the work-piece, a bracket, a device supported by said bracket for adjusting the position of the presser-foot to various thicknesses of materials comprising a threaded rod and an adjusting nut threadedly engaged with said rod and directly linked into the said lever and rod system, an annular plate freely surrounding said rod adjacent one end of said nut an adjustable normally fixed abutment for the nut, and spring means interposed between said bracket and said annular plate for pressing said nut against said abutment.

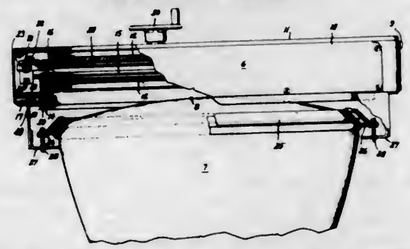
2,580,239
COMPARATOR FOR TRACING CONTOURS OF SOLID OBJECTS
Harold L. Murch, Leon B. Fuller, and Robert O. Beardsley, Springfield, Vt., assignors to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application July 11, 1947, Serial No. 760,228
9 Claims. (Cl. 88—24)

1. In a comparator for casting images on a screen, a base, horizontal ways on said base, a carriage movable on said ways, a standard on said carriage, a pair of independently and vertically movable arms on said standard, a feeler tip on each said arm, said feeler tips being opposed to each other, means tending to move said arms to cause said feeler tips to approach each other, a tracing tip on each said arm, said tracing tips being opposed to each other and similarly spaced from the respective feeler tips, whereby the relative movements of the tracing tips correspond to the relative movements of the feeler tips, a work table on said base, gripping means on said work table for holding a work piece in a predetermined position to be engaged by said feeler tips, means operable to move said carriage so as to cause said feeler tips to traverse opposite faces of a work piece mounted on said table and said tracing tips to move correspondingly, means for projecting a broad beam of light



past said tracing tips at right angles to their plane of motion, a screen, and means for focusing the images of the moving tracing tips on said screen.

2,580,240
PLOTTING SYSTEM
Richard J. Newman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 16, 1947, Serial No. 761,278
2 Claims. (Cl. 88—74)



1. A plotting system comprising a viewing screen in the form of a substantially spherical segment, a plane, transparent plotting surface spaced from said screen and perpendicular to a radial axis of said segment, a plane, semi-transparent mirror interposed between said screen and said surface in parallel relation with said surface, a displaceable carriage supporting one of said screen, said surface and said mirror for movement along said radial axis, an indicator, another displaceable carriage supporting said indicator for movement relative to said plotting surface in a plane parallel thereto and proximately spaced therefrom, and a control member coupled to each of said carriages for simultaneously displacing said carriages to align said indicator with the axial projection of a circle concentric with said radial axis and intercepting a selected portion of said viewing screen and to position said one of said screen, said surface and said mirror so that said mirror is equidistant from said surface and said portion of said viewing screen.

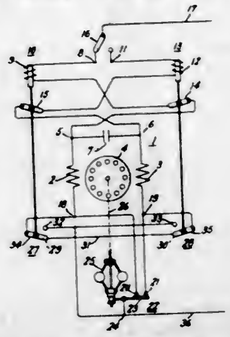
2,580,241
GREETING CARD
Arthur Podmore, London, England
Application February 25, 1948, Serial No. 10,686
In Great Britain March 20, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires March 20, 1959
3 Claims. (Cl. 40—126)

1. A collapsible picture card comprising a single sheet of material so arranged as to form a plurality of panels including two outer panels, an intermediate panel and opposite end panels, said outer panels forming a rear panel and a front panel, respectively, a fold connecting one end of one of said end panels with said rear panel, another fold connecting said rear panel with one end of the other end panel, a further fold connecting said front panel with the opposite end of said other end panel, said front panel being provided with a still further fold, a first extension projecting from said still further fold along the inner face of said one end panel and in superposed position thereof and terminating at said



intermediate panel which extends substantially parallel to said front panel and said rear panel, said intermediate panel having a fold at each end thereof connecting said intermediate panel to said opposite end panels, a second extension of said intermediate panel extending along said other end panel at the inner face thereof toward one of said outer panels, and means connecting said intermediate panel with both said end panels at both said extensions, said rear panel being provided with a pictorial design, said front panel and said intermediate panel being provided with cut-outs arranged in overlapping relation to each other and complementary to the pictorial design of said rear panel.

2,580,242
MOTOR CONTROL
Donald C. Reek, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application February 27, 1951, Serial No. 213,000
24 Claims. (Cl. 318—203)



1. In combination, a single phase alternating current motor having two field exciting windings, reactance means arranged in circuit with said windings for electrically displacing one of said field windings with respect to the other to provide a rotating field for starting, means for selectively connecting one of said field windings for energization directly from a source of alternating current, the other of said field windings being energized through said reactance means whereby said motor starts in one direction of rotation, means for disconnecting said field windings from

said alternating current source at a predetermined speed, and means responsive to the current in said directly connected field winding for rendering said disconnecting means ineffective with respect to said directly connected winding whereby only said reactance energized field winding is disconnected at said predetermined speed, said current responsive means being adapted to connect said field windings to establish a regenerative braking circuit when neither of said field windings is connected for energization, operation of said selective connecting means to connect the other of said field windings for direct energization causing reversal of said motor.

2,580,243

PROCESS OF DELEADING GASOLINE

Ellis B. Rifkin and Douglas H. Ewen, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 30, 1951, Serial No. 223,820
2 Claims. (Cl. 196—23)

1. A process for deleading gasoline containing tetraethyllead which comprises treating said gasoline with an inorganic oxide of nitrogen.

2,580,244

MINERAL INSULATED CONDUCTOR WORKPIECE

Edwin Gilbert Llewellyn Roberts, Bolton, England

Application October 15, 1947, Serial No. 779,912
In Great Britain October 24, 1946
4 Claims. (Cl. 174—77)



1. An article of manufacture adapted to be used as initial work-piece in a process for the manufacture of metal clad mineral insulated conductors by the reduction in cross-section of such initial work-piece, said article of manufacture comprising in combination, a metal tube; a granular dielectric crypto-crystalline material consisting of gamma alumina filling said metal tube, said granular dielectric crypto-crystalline material being isotropic and amorphous and possessing plastic and fluid properties; and means closing at both ends said metal tube filled with said granular dielectric crypto-crystalline material.

2,580,245

FOOTWEAR WITH SPONGE RUBBER SOLE AND RUBBER UPPER-ATTACHING STRIP

Heinz W. Rollman and Andrew Szerenyi, Waynesville, N. C., assignors to Re-Search, Inc., Waynesville, N. C., a corporation of North Carolina

Application October 20, 1947, Serial No. 780,992
In Belgium March 4, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires March 4, 1960
1 Claim. (Cl. 36—14)



Footwear having an upper of fibrous material and a sole containing sponge rubber, a layer of solid rubber pressed into the margin of said upper, said layer forming a fused bond between said upper and said sponge rubber and being vulcanized in situ to said upper and sole.

2,580,246

DETACHABLE MOUNT FOR TELESCOPES

Herbert E. Schall, Breckenridge, Mich., assignor of one-half to Robert D. Schall, Breckenridge, Mich.

Application September 30, 1948, Serial No. 51,992
1 Claim. (Cl. 33—50)



In a mounting for a telescope tube, a mounting block adapted to be secured on a rifle, said mounting block having a pair of spaced vertical openings therein and also having a horizontal opening therethrough intersecting the vertical openings, a telescope tube clamp adapted to secure a telescope tube, a pair of spaced base blocks depending from the clamp and slidably received in the vertical openings, said base blocks having hook portions thereon opening toward the horizontal opening, an elongated latch pin mounted in the horizontal opening for transverse sliding movement toward and away from the base blocks, a spring means urging the pin toward the base blocks to a position overlying the hook portions, a pair of rearwardly projecting finger grips on the opposite ends of the latch pin slidably engaging the opposite sides of the mounting block, the mounting block having recesses in its opposite sides opening into the horizontal opening, said spring means including a pair of springs seated in the recesses and bearing against the latch pin, said finger grips overlying the recesses and retaining the springs therein.

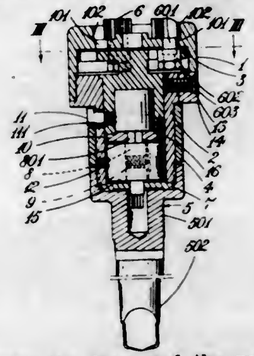
2,580,247

CAM ACTUATED WRENCH

Raymond Gaston Secondi, Paris, and Jean Vacheron, Maison-Alfort, France, assignors of thirty-five per cent to Charles Henry Harrison and fifteen per cent to Robert André Boizard, both of Paris, France

Application May 19, 1950, Serial No. 162,842
In Great Britain June 13, 1949
5 Claims. (Cl. 81—53)

1. A wrench for gripping and turning workpieces, comprising a primary body portion, a secondary body portion in nested relation to the primary body portion and arranged for rotation relative thereto, at least two jaws spaced apart around the axis of relative rotation of the two body portions and each providing on opposite faces thereof directed radially inwardly and outwardly from the axis of relative rotation respectively, a gripping surface and a bearing surface, at least two radially directed cam surfaces on the primary body portions and arranged to engage the bearing surface on the jaws respectively, to effect positive movement of the jaws in one radial direction on relative movement in one



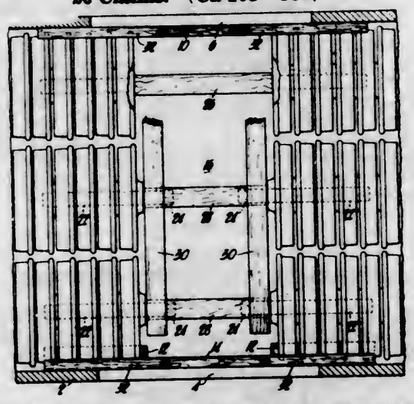
sense between the jaws and the primary body portion, a shank on each jaw received within a radially extending slot in the secondary body portion to constrain the jaw to move with the secondary portion on relative rotation between the portions and thereby to effect relative movement between the jaws and the primary body portion as aforesaid and cooperating guide means on the jaws and primary body portion following the general contour of the cam surface for positively maintaining the jaws in close proximity to the cam surfaces during relative movement between the jaws and the primary body portion in the other sense.

2,580,248

TRANSPORTATION LOAD AND METHOD OF PREPARING SAME

Dewey M. Seeley, Gary, Ind., assignor to United States Steel Company, a corporation of New Jersey

Application April 19, 1949, Serial No. 88,261
26 Claims. (Cl. 105—367)



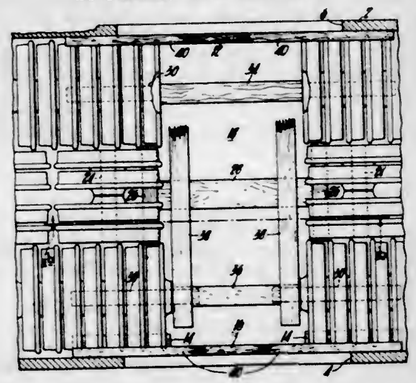
1. The method of preparing a transportation load of center bored wheels or the like for transit in a railway car having a center doorway in at least one side thereof, which method comprises loading the wheels in said car in rows extending to the ends of the car on each side of said doorway lengthwise of the car, the rows on one side of the doorway being aligned with the rows on the other side with an open space between the aligned rows, arranging a plurality of the wheels adjacent the open space in each of the rows in vertical upright position with their axes arranged lengthwise of the car, placing the balance of the wheels in each row between said plurality and the ends of the car abutting each other and abutting also said plurality of wheels to maintain the same in vertical upright position, fastening a timber to the floor of the car lengthwise in said open space between the adjacent end wheels of the aligned rows, threading a needle timber into the bores of a plurality of contiguous wheels adjacent the open space in each row, allowing an end portion of each needle timber to project outwardly from each row into said open space, fitting a timber lengthwise between the faces of the adjacent end wheels of each pair of aligned rows, fastening said last named timbers to the projecting ends of said needle timbers, securing at least one cross timber across the last named lengthwise timbers, and fastening a lengthwise timber across the lower part of said doorway.

2,580,249

TRANSPORTATION LOAD AND METHOD OF PREPARING SAME

Dewey M. Seeley, Gary, Ind., assignor to United States Steel Company, a corporation of New Jersey

Application April 19, 1949, Serial No. 88,262
26 Claims. (Cl. 105—367)



1. The method of preparing a transportation load of center bored wheels or the like for transit in a railway car having a center doorway in at least one side thereof, which method comprises loading the wheels in said car in aligned rows extending to the ends of the car on each side of said doorway lengthwise of the car with a center space between the aligned rows, placing a plurality of the end wheels adjacent said center space of each of the aligned side rows in vertical upright position with their bores in alignment, placing the balance of the wheels in each side row between a 'd plurality and the ends of the car in position abutting each other and abutting also said plurality of wheels to maintain the same in vertical upright position, threading a needle timber into the bores of a plurality of the end wheels adjacent said center space in each of the

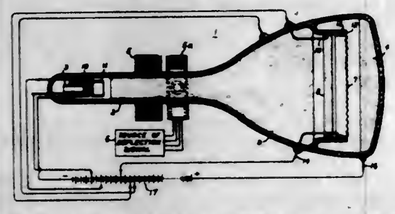
aligned rows, fastening a lengthwise timber to the floor of the car in said center space between each of the aligned side rows with the ends thereof abutting the opposed end wheels of the aligned side rows, locking said needle timber against endwise movement in said bores, placing the wheels in each of the aligned center rows in vertical upright position with their axes at right angles to the wheels in the side rows, threading a needle timber through the bores of the adjacent end wheels of each of the aligned center rows, and fastening a crosswise chock timber to the floor of the car in said center space abutting the opposed end wheels of the aligned center rows.

2,580,250

CATHODE-RAY TYPE OF ELECTRON DISCHARGE DEVICE

Henry M. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 29, 1950, Serial No. 176,750
9 Claims. (Cl. 315—1)



1. Cathode ray electron discharge apparatus, comprising a cathode ray type of electron discharge device having a cathode, a luminescent screen anode, a second anode located between said cathode and said screen anode, an electrode mounted between said second anode and said screen anode adjacent to said screen anode, means for maintaining said electrode at a slightly lower potential than said second anode and means for maintaining said screen anode at a considerably higher potential than said second anode.

2,580,251

AZO COMPOUND

Eliot Steinberg, North Arlington, N. J., assignor to The Maltine Company, Morris Plains, N. J., a corporation of New York

No Drawing. Application July 12, 1950, Serial No. 173,469
1 Claim. (Cl. 260—207.1)

P-ethyl carboxy phenyl azo-2', 4'-phenylenediamine.

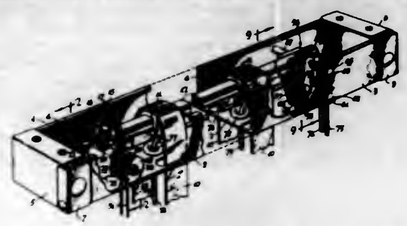
2,580,252

VENETIAN BLIND

Walter J. Stuber and John J. Di Ienno, Philadelphia, Pa., assignors to Carey-McFall Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 19, 1949, Serial No. 122,192
5 Claims. (Cl. 160—176)

1. Tilt mechanism for a Venetian blind comprising a bracket including upper closely spaced parallel flanges and lower relatively widely spaced parallel ears extending at right angles to said flanges, a tilt shaft having an end thereof rotatably supported in openings in said bracket flanges, a worm wheel intermediate said bracket flanges and mounted on said tilt shaft for rotation therewith, a member rotatably mounted in aligned openings in the bracket ears, a worm fixed on said member and meshed with said worm wheel, at least one disc secured on said member for rotation therewith, and having a slot



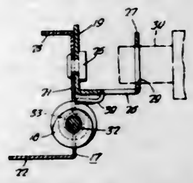
therein, and a tilt cord having an intermediate portion securely engaged in said radial slot with adjacent cord portions coiled about said member in opposite directions at respectively opposite sides of said disc.

2,580,253

VENETIAN BLIND TILT MECHANISM WITH CORD REPOSITIONING FEATURE

Walter J. Stuber and John J. Di Ienno, Philadelphia, Pa., assignors to Carey-McFall Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 2, 1951, Serial No. 203,846
4 Claims. (Cl. 160—176)



1. In tilt mechanism for a Venetian blind having the usual tilt shaft for angularly positioning the slats of the blind, a rotatably mounted worm, a tilt cord connected to said worm for rotationally actuating the latter, a gear normally meshed with said worm and having driving connection with said tilt shaft, said gear having teeth and extending circumferentially thereof continuously except for a portion of said circumference disposed in confronting relation to the worm in the limit tilt positions only, and a member disposed between the gear teeth in confronting relation to the portion of the gear devoid of teeth and arranged in the limit tilt positions only of the blind normally to mesh with the worm and function as a tooth of the gear, said member being displaceable in a direction inwardly of the gear so that in said limit tilt positions of the blind continued pull exerted on the tilt cord operates to cause the worm to displace said member and effect rotation of said worm with respect to the gear to reposition the tilt cord.

2,580,254

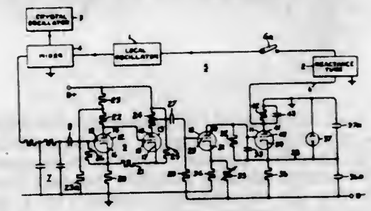
AUTOMATIC FREQUENCY CONTROL SYSTEM

Harry R. Summerhayes, Jr., and Paul W. Howells, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application June 8, 1945, Serial No. 598,360
7 Claims. (Cl. 250—36)

2. In an automatic frequency control system, a first source of reference frequency oscillations,

a second source of oscillations whose frequency is to be controlled with respect to said reference frequency, a mixer for combining said oscillations and selecting the difference frequency, a frequency discriminator responsive to said difference frequency and having an output stage including an anode circuit in which negative unidirectional control potentials are developed which vary with said difference frequencies over a control range, a reactance tube modulator having its output connected to control the frequency of said second source, an amplifying stage for said po-



tentials connected between said output stage and said modulator, said amplifying stage being normally conducting, a common source of power supply for said stages and means responsive to initial application of power to said stages to energize said amplifying stage before said output stage and to delay application of said control potentials to said amplifying stage until it has become fully conducting, said means including a relatively long time constant network between said stages, thereby to insure stable starting operation of said system.

2,580,255

DISTANCE GAUGE

Kenneth Edward Summers, Peterborough, England, assignor to The Newall Engineering Company Limited, Peterborough, England, a British company

Application February 24, 1948, Serial No. 10,363
In Great Britain February 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 12, 1965
7 Claims. (Cl. 33—125)



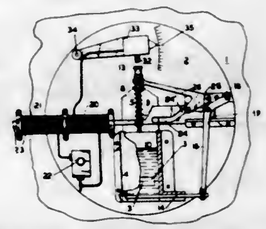
1. A gauge-holder comprising in combination a support, a plurality of relatively movable carriers on the support, a set of gauge elements in each carrier and movable relatively to the carrier in a direction toward and away from the gauge elements in other carriers, the elements in one carrier having dimensions of length which increase stepwise by a predetermined increment from element to element, the dimensions of elements in each succeeding carrier increasing stepwise by fractions of the increment of those in the preceding carrier, means to move each carrier so as to bring any selected gauge element carried thereby into an operative position in which the selected gauge elements of the carriers are in line, and means to move the selected gauge elements with respect to their carriers when in said operative position to bring them into contact with one another so that they together afford an overall measurement made up of the lengths of the selected gauge elements.

2,580,256

DISPENSING DEVICE HAVING SOLENOID OPERATED PLUNGER AND VALVE

Andrew J. Tacchella, Portland, Oreg., assignor, by mesne assignments, to Steady-Flow Freezer Co., a corporation of Oregon

Application April 11, 1946, Serial No. 661,284
12 Claims. (Cl. 222—76)



3. In a dispensing device for fluent material from a supply container having a discharge opening, a measuring chamber for receiving the material from the discharge opening, a valve for closing the discharge opening, a dispensing opening in said measuring chamber, a valve for closing said dispensing opening, a piston in said measuring chamber for forcing the material from said measuring chamber through to said dispensing opening, cam means for operating said valves and said piston, and means for operating said cam means, the combination with said discharge valve of a support carried by said valve and supporting said piston whereby said discharge valve and piston are unitarily actuated simultaneously.

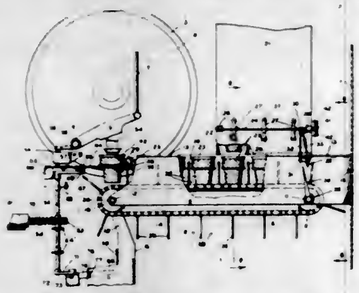
9. A dispensing device for semi-fluids such as ice-cream and the like from a container having an outlet through which the semi-fluid may be ejected or withdrawn, said device comprising a measuring container into which the semi-fluid is received from the container outlet in the dispensing operation, a gate for controlling the flow through said opening, said measuring container having an outlet port and a gate for controlling the dispensing of the product therethrough, a plunger in said container engageable with the product as it is received into the dispensing container and operable to eject the product therefrom, electromagnetic means for operating said gates including a core having connections with the gates for first closing the measuring container outlet gate and opening the fluid container gate, a solenoid operable when energized to move said core for said operations, a starting switch for energizing said solenoid, a second solenoid operable to reverse the movement of the core for successively closing the container outlet gate and opening the measuring container outlet gate, a switch engageable by the plunger when the product fills the measuring container a predetermined amount for energizing said second solenoid, means for movably mouning said switch so that it may be moved with respect to its point of engagement by the plunger whereby the amount of the product to be dispensed may be variably adjusted, and means for operating said plunger to eject the contents from the measuring container upon the opening of its outlet gate.

2,580,257

DEVICE FOR MOVING ICE-CREAM CONES INTO POSITION FOR RECEIVING ICE CREAM AND THEN DELIVERING THEM TO A CUSTOMER

Andrew J. Tacchella, Portland, Oreg., assignor, by mesne assignments, to Steady-Flow Freezer Co., a corporation of Oregon

Application April 25, 1946, Serial No. 664,895
14 Claims. (Cl. 226—19)



1. In a dispensing machine, including a housing for the material to be dispensed and having a dispensing gate with operating means therefor, the combination with said housing of a magazine for stacked dispensing containers, a movable member for supporting a dispensing container at the dispensing gate to be filled, an endless conveyor for carrying containers from said magazine to said member, said member being in line with the conveyor when receiving a container and adapted to elevate the same from the conveyor in filling position and move outwardly therefrom, means operatively connected with the conveyor for releasing containers from the magazine onto the conveyor, and means operated by the delivery of material into the member supported container for moving said member outwardly to effect the removal of the filled container from the dispensing gate to a delivery point.

2,580,258

ILLUMINATED MIRROR

Michael Tarasuk, Detroit, Mich.

Application December 23, 1946, Serial No. 718,028
2 Claims. (Cl. 240—4.2)



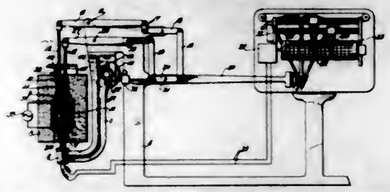
1. An illuminated mirror comprising a backing, a reflecting surface at one side thereof, a hood slidable on the other side of said backing, a cell and bulb in said hood, each having two terminals, a terminal of the bulb being in contact with a terminal of said cell, said backing and surface having an opening therethrough positioned to expose said bulb, and means for bringing the other terminal of said bulb in contact with the other terminal of said cell on sliding said hood to expose said bulb.

2,580,259

TEMPERATURE EQUALIZING MEANS FOR FURNACES

Charles F. Wetherbee, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application September 9, 1947, Serial No. 772,995
7 Claims. (Cl. 73—16)



4. In an instrument for measuring the response of test specimens to changes in temperature, a heating chamber provided with a wall opening, movable means passing through the wall opening for sensing the dimensional changes of a specimen in said heating chamber and convection current neutralizing means for supplying a stream of air toward the wall opening to oppose and neutralize the convection currents created by the heat in said heating chamber.

2,580,260

BUBBLE CAP HOLD-DOWN DEVICE

Edward J. Winters, New Hyde Park, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application June 10, 1950, Serial No. 167,421
5 Claims. (Cl. 261—114)



1. A bubble cap assembly comprising a deck plate having an opening therein; a tubular riser extending above said opening; a bubble cap having an aperture through the top; spacer means supporting the bubble cap over the riser; a pair of tongs having pivotally connected legs extending downwardly through the riser, each tong leg having an outturned lower end portion extending over the underside of the deck plate, and a handle portion projecting outwardly through the bubble cap; and retaining means detachably engaging a portion of the projecting handle portions and the top of the bubble cap to hold the bubble cap in operative relation to the riser.

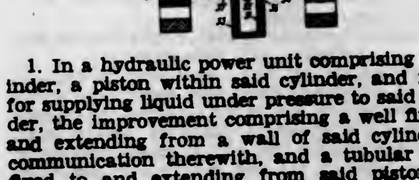
2,580,261

FREQUENCY-MODULATION DEMODULATOR SYSTEM

Joseph A. Worcester, Jr., Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application April 2, 1948, Serial No. 18,645
2 Claims. (Cl. 250—27)

1. A frequency modulation demodulator system comprising a source of signals frequency modulated about a center carrier frequency, an electron beam tube and an output circuit, said electron beam tube including a source of electrons, beam focusing means, horizontal and vertical beam deflecting means, and beam collecting means, said beam collecting means comprising a first pair of diametrically-opposed sector members, a second pair of diametrically-disposed sector members spaced from said first pair and not more than partially shielded thereby, means for impressing said signals across said deflecting means with the phase of said center frequency impressed on said vertical deflecting means displaced by 90° from the center frequency impressed on said horizontal means, a first and second resistance means for coupling respectively



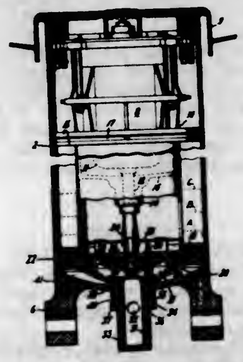
the opposing sector members of said first and second pairs, means for coupling said output circuit to said first and second resistance means respectively, means for deriving audio signals from said output circuit in response to said frequency modulated signals, means for impressing a positive voltage with respect to said electron source to intermediate points of said first and said second resistance means respectively, and direct current connections for applying potentials developed across said first resistance to said horizontal beam deflecting means and for applying potentials developed across the other of said resistance means to said vertical beam deflecting means to center said beam.

2,580,262

HYDRAULIC POWER UNIT FOR DOMESTIC IRONING MACHINES

Joseph C. Werst, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application August 31, 1949, Serial No. 113,298
4 Claims. (Cl. 121—38)



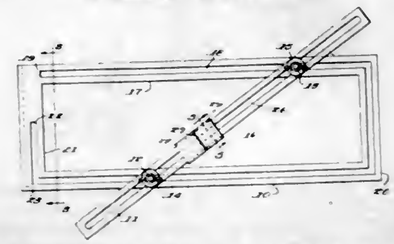
1. In a hydraulic power unit comprising a cylinder, a piston within said cylinder, and means for supplying liquid under pressure to said cylinder, the improvement comprising a well fixed to and extending from a wall of said cylinder in communication therewith, and a tubular sleeve fixed to and extending from said piston, the interior of said sleeve communicating with the liquid supply means and having an outflow port in its wall, said sleeve telescoping within said well with a small, but finite, clearance therebetween for the passage of liquid from said port to said cylinder; the length of said well and sleeve being such relative to piston travel that telescoping relation is maintained until at a predetermined point of travel said outflow port emerges from said well to permit greatly increased discharge of liquid under pressure into said cylinder to perform work on said piston.

2,580,263

BRICK SCRIBING AND MARKING DEVICE

Lewis A. Wooten, Barth, Fla.

Application January 23, 1951, Serial No. 207,379
2 Claims. (Cl. 33—32)



1. A brick scribing tool comprising a rectangular shaped frame having side and end bars with a flange extended from one of said end bars and with a slot extended through the side bars, one of the end bars and to a point midway of the length of the other end bar, pins having heads on one end and threads on the other slidably mounted in the slot of the frame, a bar having an elongated slot therein slidably mounted on the pins, and thumb nuts threaded on the pins for securing the bar having the elongated slot therein in adjusted positions.

2,580,264

METHOD OF FORMING ARTIFICIAL BREASTS

Mildred A. Wright and Dora E. Gates, Bevier, Mo.

Application November 23, 1949, Serial No. 128,974
4 Claims. (Cl. 3—1)

4. The method of making an artificial breast to be used to replace a breast that has been removed from a woman's body, comprising the steps of forming a mold that has the same configuration as the remaining natural breast on the woman's body, then forming from said mold a casing having the same configuration as the mold, next turning said casing inside out so as to provide a casing having the same shape as the breast to be replaced, then forming a model from the casing in its last-named reversed position, applying a coating to the rear surface of the model so as to provide a back member, and removing said casing and back member from said model, next filling said casing with material, securing said back member and casing together, and finally securing said back member to the woman's body.

2,580,265

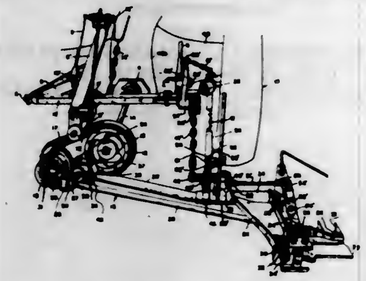
MOWER STRUCTURE

Aram Abgarian, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application April 29, 1946, Serial No. 665,765
10 Claims. (Cl. 56—25)

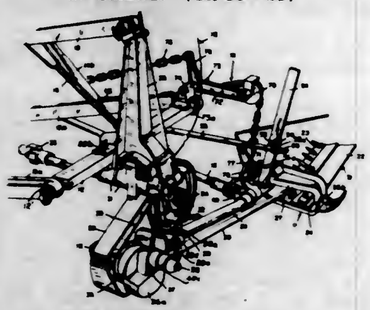
1. In a tractor having a frame, a drag bar normally extending transversely of said frame

and having one end connected thereto for vertical and rearward swinging, a cutter bar connected to the other end of said drag bar for vertical swinging and for adjustment about its longitudinal axis relative to said drag bar; supporting mechanism comprising a pull bar extending forwardly from said drag bar and pivotally connected thereto, a sleeve fixed to the frame of said tractor through which said pull bar is slidable, latch means carried by said sleeve and en-



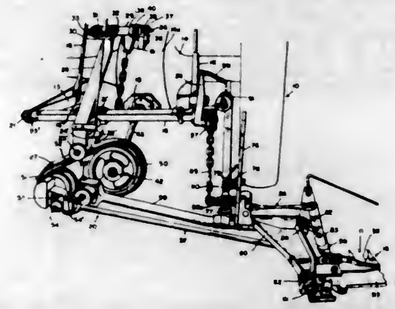
gageable with said pull bar to restrain rearward sliding movement of said pull bar, said latch means being yieldable in response to the application of an abnormal stress in a rearward direction against the cutter bar to permit rearward sliding movement of said pull bar, and simultaneous rearward swinging movement of said drag bar and cutter bar, said pull bar having an abutment thereon forwardly of said sleeve to limit rearward movement of said pull bar.

2,580,266
MOWER STRUCTURE
Aram Abgarian, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application April 29, 1946, Serial No. 665,766
29 Claims. (Cl. 56—25)



1. The combination with a tractor having a draw bar supported for vertical movement, of a mowing machine comprising a cutter bar assembly adapted to assume a position substantially parallel to the ground, a connection between the draw bar and inner end of the cutter bar assembly permitting swinging movement of the latter to an upright position, a guide supported on the draw bar, a flexible linear member having the lower end connected to the inner end of the cutter bar assembly and extending upwardly over the guide to form a connection between the draw bar and cutter bar assembly for swinging upward the latter when the former is raised, and counterbalancing spring means acting on the linear member tending to raise the cutter bar assembly.

2,580,267
MOWER MOUNTING
Aram Abgarian, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application April 29, 1946, Serial No. 665,767
6 Claims. (Cl. 56—25)

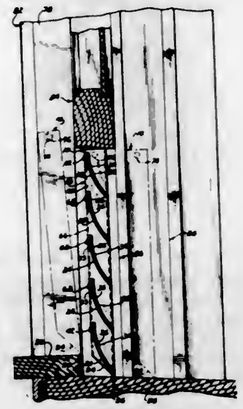


1. In a tractor having a frame, a pair of laterally spaced power operated lift arms adjacent the rear of said frame, a power take-off shaft extending rearwardly from said frame, and a mower comprising a draw bar, a support housing secured to said draw bar intermediate its ends, a drag bar pivoted at one end to said support housing for vertical and rearward swinging from a normal transverse operating position, a cutter bar pivoted to the other end of said drag bar for vertical swinging and angular adjustment about its longitudinal axis relative to said drag bar, a knife reciprocable on said cutter bar, drive means in said support housing, transmission means connecting said drive means and knife, a pedestal extending upwardly from said support housing, and a pull bar connected at its rear end to said drag bar and having a sleeve slidable thereon, said sleeve including a releasable latch engageable with said pull bar: quick detachable structure providing for attachment and removal of the mower to and from the tractor arranged to provide a complete mower assembly removable as a unit from the tractor, said structure comprising a drive shaft connected to the drive means in said support housing and a releasable coupling at the end of said drive shaft for engagement with the power take-off shaft of the tractor, releasable coupling means for connecting the ends of the lift arms to the ends of said draw bar, releasable coupling means for connecting said sleeve to the underside of the tractor frame, and a releasable link for connecting said pedestal to the frame of the tractor.

2,580,268
WINDOW VENTILATOR
Maurice E. Achler and Albert H. Milstine, Chicago, Ill., assignors to Associated Venetian Blind Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 7, 1947, Serial No. 784,590
1 Claim. (Cl. 160—223)

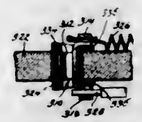
A rectangular window ventilator having air inlet and discharge faces and comprising shutters telescopically connected together for adjustment to fit windows of different widths, each shutter comprising two end brackets, one being disposed between the end brackets of the other shutter, the outermost end brackets being channels, the flanges of each channel extending away

from the other channel, each of the innermost end brackets having a web and a flange, the webs of all of said brackets having successively overlapping series of arcuate openings arranged in echelon and respectively in register with the arcuate openings in the other webs, each shutter having transversely concavo-convex slats extending through its openings, all of said slats being of gradually increasing slope upward toward said discharge face of the ventilator, an end of each slat of each shutter terminating within and se-



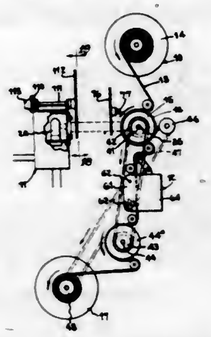
cured to one of said channels, the other end of each of the top and bottom slats of each shutter terminating within and being secured to the innermost end bracket of the same shutter, the slats of each shutter slidably passing through the openings in the innermost end bracket of the other shutter, the tops of said brackets being normal to the axes of said brackets, the bottoms of all of said brackets being mitered so as to provide alined bottom edges defining a fulcrum to facilitate tilting of the ventilator to a vertical or inclined position in a window frame.

2,580,269
ELECTRICAL CONNECTOR
Octavio Jose Alvarez, New York, N. Y., assignor, by mesne assignments, of one-fourth to Maria De Reitzes-Marienwert, New York, N. Y.
Application March 19, 1949, Serial No. 82,365
5 Claims. (Cl. 201—63)



1. A clamp for use in connecting the heating wire of an electrical heater having a supporting body to an electric lead, said clamp consisting of current conductive material and including in combination two end portions and a substantially tubular middle portion, said middle portion being adapted to be placed in a hole of the supporting body and said end portions being adapted to be bent in parallel directions substantially at right angles to said middle portion so as to hold said middle portion in position in the hole; and clamping means on at least one of said end portions formed integral therewith and serving for clamping a wire to said clamp.

2,580,270
AUTOMATIC COMPARATOR FOR RECORDS
Robert F. Badgley, Wyoming, and William A. Wilken, Cincinnati, Ohio, and Chester Tietig, Covington, Ky.
Application October 4, 1947, Serial No. 777,838
5 Claims. (Cl. 88—24)

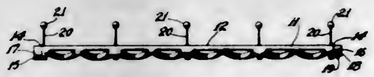


1. An apparatus for selecting data from a record strip having apertured frames by passing a light beam through said strip and through a master data strip in superposed relationship having a series of identical apertured masking frames comprising; means for retaining a reel of record strip to be fed through the apparatus, a transparent feed drum the master data strip being mounted upon the periphery of said drum, the drum being arranged to feed the record strip in superposed relationship and in registry with the master strip, means for rotating said feed drum intermittently, a source of light arranged to pass a beam of light through said drum for passage through said superposed record and master strips, a photoelectric unit, a control circuit connected to said unit, said unit adapted to be energized by light rays passing through the registering apertures of said master and record strips, a movably mounted reflector arranged to intercept the beam of light, means actuated by said control circuit to position said reflector in intercepting position when said photoelectric unit is energized, a lens system and a viewing screen, said lens system arranged to receive the light from the reflector when the latter is in intercepting position and thereby to project the image of the registered frame upon the screen.

2,580,271
CROSSLINKED SULFONATED POLYSTYRENE
Massimo Baer, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 11, 1949, Serial No. 109,813
14 Claims. (Cl. 260—45.2)

1. A product of the reaction at 25–150° C. of 100 parts of a water-soluble sulfonated polystyrene with from 1 to 20 parts of a methylol aminoplast taken from the group consisting of the water-soluble and water-dispersible formaldehyde condensation products of urea, thiourea, dicyandiamide, aminotriazines and linear polyamides and the ethers of said condensation products, said sulfonated polystyrene having been derived from a polystyrene having a molecular weight of from 30,000 to 500,000 as calculated by the Staudinger equation and containing from 0.5 to 2.0 sulfonic acid groups per styrene unit.

2,580,272
SELF-ATTACHING TRACTION TREAD
Philip W. Bell, Nutley, N. J.
Application November 24, 1948, Serial No. 61,800
3 Claims. (Cl. 152—221)



1. A self-attaching traction tread for motor vehicles comprising a tread, arcuate in cross section, including longitudinal members, and latitudinal members which connect together the longitudinal members; semi-circular resilient clips each extending through the longitudinal members and through a latitudinal member and engageable with a motor vehicle wheel, in embracing relationship, and a fastener attached to one end of the tread and engageable with a cooperative fastener attached to the other end of the tread.

2,580,273
REFRACTORY METAL ALLOY CASTINGS AND METHODS OF MAKING SAME
Frederick P. Bens, Detroit, and John L. Ham, Dearborn, Mich., and Robert M. Parke, Silver Spring, Md., assignors to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 25, 1947, Serial No. 776,166
14 Claims. (Cl. 75—176)

3. A cast alloy characterized by its forgeability and containing from .01 to .25 per cent carbon, not more than .005 per cent oxygen and the balance essentially all of at least one metal selected from the group consisting of tungsten and molybdenum.

2,580,274
LUBRICANT
Roland F. Bergstrom and Jacobus M. Plantfeber, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 8, 1947, Serial No. 733,424
13 Claims. (Cl. 252—33.4)

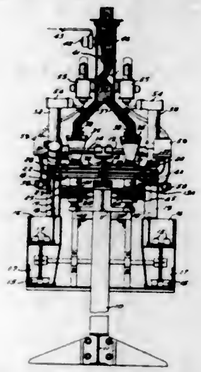
13. A heavy-duty lubricant having the following formula:

	Percent weight
Ca salt of octyl phenol-formaldehyde condensation product	0.05–6
Zn dialkyl dithiocarbamate (oil-soluble)	0.1–5
Ca petroleum sulfonate (oil-soluble)	0.05–10
Phenyl alpha-naphthylamine	0.05–10

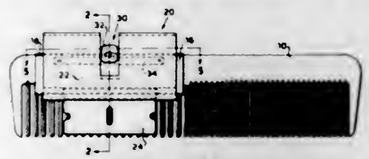
and the balance consisting essentially of mineral lubricating oil.

2,580,275
COLOR SORTING MACHINE
Everett H. Bickley, Bala-Cynwyd, Pa.
Application August 8, 1945, Serial No. 609,619
11 Claims. (Cl. 209—111)

8. In a color comparison sorting machine, the combination of means to feed objects one at a time past an inspection point, said objects each having a rounded nose to form a relatively small area of glare and a relatively large color area at said point, a photo-electric cell located to view said color area of said objects at said inspection point for color sorting, a source of light, an optical system for focussing a light beam from said source on said inspection point to intercept an object at said point, means to mount said system to project said beam angularly to meet an object entering and passing said point to produce a minimum signal from said glare area of ineffective photo-cell operating duration and a maximum signal from said color area of effective photo-cell operating duration, and means operated by current variations of said photo-electric cell in response to said color signal for segregating objects of the same color as a function of color signal.



2,580,276
HAIRCUTTING ATTACHMENT
Herman W. Borgerding, Philadelphia, Pa.
Application January 3, 1949, Serial No. 68,951
1 Claim. (Cl. 30—30)

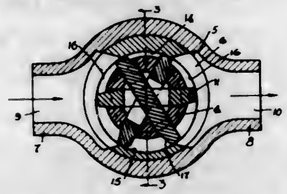


A hair cutting attachment adapted to be connected to a comb comprising a comb holder having a pair of legs for straddling the back of a comb, a U-shaped blade holder having legs straddling the comb holder, a plurality of longitudinally extending grooves in one of the legs of the blade holder, a flange on one of the legs of the comb holder adapted to be seated in any one of said grooves to vary the positions of the holders relative to each other and a spring between the other legs of the holders for retaining the flange in a predetermined groove to retain the holders in predetermined adjusted positions relative to each other.

2,580,277
POLYMERIZATION OF VINYL CHLORIDE IN AQUEOUS SUSPENSION TO PRODUCE GRANULAR POLYMERS
Thomas Boyd and Fred J. Lucht, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 22, 1948, Serial No. 34,545
12 Claims. (Cl. 260—78.5)

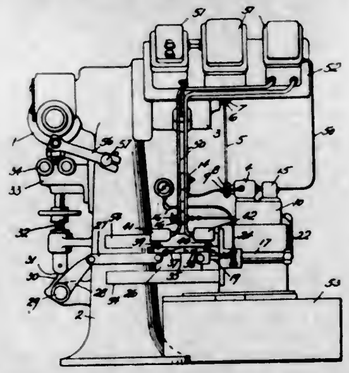
1. A process for preparing fine-grained polymeric products which comprises polymerizing a polymerizable material containing vinyl chloride while dispersed in an aqueous medium containing, as the sole dispersing agent, from 0.1 to 3% by weight of an aliphatic acid ester of a polyethylene glycol, the glycol residue of said ester having an average molecular weight of from 400 to 4000, and the acid residue having from 10–20 carbon atoms.

2,580,278
PUMP
Joseph B. Brennan, Cleveland, Ohio
Application March 28, 1944, Serial No. 528,372
9 Claims. (Cl. 103—138)



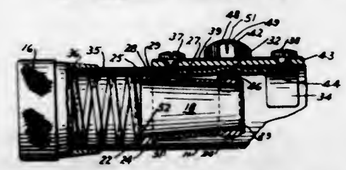
1. In a pump of the character described, the combination of a pump body having a bore, the normal cross-section of which is defined by two concentric arcs of unequal radii, with vane extending and retracting curves joining adjacent ends of said arcs, a rotor mounted concentrically with said arcs, vanes slidably carried by said rotor and in engagement at all times at their opposite terminal portions with the inner periphery of said bore, the terminal portions being alternately exposed outside the rotor, said rotor and vanes provided with a tapering clearance effective throughout revolution between the rotor and each vane where the latter emerges from the rotor and in extent longer than the maximum exposed portion of the vane and longer than the vane thickness.

2,580,279
AUTOMATIC PIPE-CUTTING MACHINE
Anton Briglia, Brooklyn, N. Y., assignor to Muray Dolgov, doing business under the firm name of United Pipe Nipple Company, Brooklyn, N. Y.
Application April 17, 1948, Serial No. 21,663
9 Claims. (Cl. 164—61)



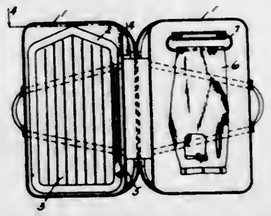
4. In an automatic pipe cutting machine having a rotary cutter and liquid pressure means for pressing the pipe being cut against the cutter to sever the pipe into nipples and electric switches and operators therefore to control said liquid pressure means to stop and reverse said liquid pressure means when said pipe has been severed, and to stop and reverse said liquid pressure means to again automatically repeat the cycle and to again press said pipe against said cutter to again sever said pipe whereby nipples may be intermittently severed in sequence in self repeating cycles until said pipe has been cut automatically into nipples.

2,580,280
TELESCOPE SIGHT
Edwin W. Bullard, Hamden, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application January 4, 1949, Serial No. 69,090
10 Claims. (Cl. 33—50)



1. In a telescope sight, a tubular casing, a tubular sighting reticule in said casing, said reticule having a rearwardly directed face and a forwardly directed face adjacent its rear end, a spacer bar in said casing extending along the same over said reticule with its rear end in engagement with the forwardly directed surface thereon, a spring reacting between said casing and the rear face of said reticule to constantly urge said reticule against the rear end of said spacer bar, screw means passing through and into said casing to engage the forward end portion of said reticule to swing said reticule transversely in the casing upon the rear end of said spacer bar as a pivot, and means to secure said spacer bar to said casing.

2,580,281
SUITCASE HAVING INFLATABLE FORM-CONTAINER
James R. Burton, Jr., Jasper, Ala.
Application July 8, 1950, Serial No. 172,710
1 Claim. (Cl. 190—41)



A two part suit case, said case having two substantially equal in size compartments for containing men's clothing; an inflatable form to be inserted within a suit coat for retaining its shape, said form being of a size to fit in one of said compartments, after the inflated form is draped with one or more suit coats; said form being made of air-tight flexible material similar to cloth, the outline of said form being oblong, so as to simulate a sleeveless coat, said form comprising an integral tubular shaped surrounding edge portion, an oblong-shaped outer bottom panel extending between said surrounding edge portion and integrally connected along its margins to one side of said tubular edge portion, an

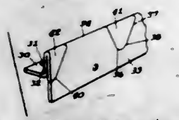
oblong shaped inner bottom panel connected to the inner face of said other outer panel along spaced lines so as to form elongate air pockets, and integrally connected along its margins to said surrounding tubular edge portion, said tubular edge portion and said bottom panels providing a tray for sundry articles of wearing apparel while also functioning as a shape-retainer for suit coats when the suit case is in closed condition.

2,580,282

SUPPORT AND SPACING DEVICE FOR HIVE BODY OR SUPER FRAMES

Omer A. Colley, New York, N. Y.

Application November 7, 1946, Serial No. 708,290
11 Claims. (Cl. 6—2)



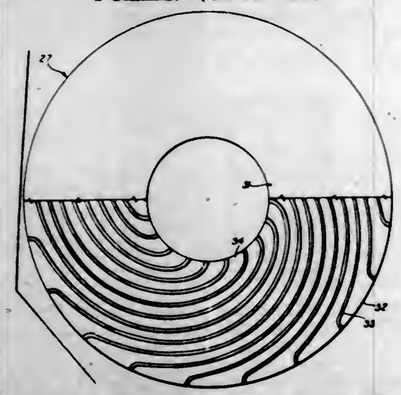
1. A device of the character described comprising an elongated member made of bendable sheet metal and having a horizontal flange, a wall extending upwardly from said flange and a wall extending downwardly from the upper end of the first wall and forming a straight ledge therewith and projecting below said flange, said second wall being formed with a plurality of spaced slits forming downwardly projecting tabs normally lying in the plane of said second wall but being bendable upwardly to project above said ledge, said tabs when in the plane of said second wall extending from substantially the upper end of said second wall down to a point below said flange.

2,580,283

COIL ANNEALING APPARATUS

Carroll Cone, Adams Township, Lucas County, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio

Application December 23, 1947, Serial No. 793,499
4 Claims. (Cl. 263—47)



1. A gas circulating separator for insertion between the individual coils of a vertical pile of coils which are to be heat treated in a forcibly circulated atmosphere, the separator comprising a centrally apertured plate, a plurality of curved vanes secured to and disposed along one side of the plate, the vanes extending in a generally radial direction between the inner and outer rims of the plate and being spaced apart to define a plurality of curved gas circulating passages between said vanes, the distance between adjacent vanes being substantially uniform between two points which are relatively remote from each other and which are between the opposite ends of the vanes and which are a substantial distance from said ends, and the distance between said vanes from said points to the next adjacent ends of said passage gradually increasing so that the general shape of the passage between adjacent vanes is that of a venturi having an extended throat portion of uniform cross section.

2,580,284

PRODUCTION OF SECONDARY AROMATIC AMINES

Thomas J. Deahl, Fred H. Stross, and Marion D. Taylor, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application April 11, 1949, Serial No. 86,684
8 Claims. (Cl. 260—577)

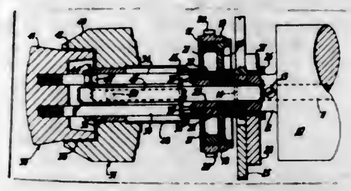
1. A process for producing a secondary amine which comprises reacting an alcohol of the group consisting of alkanols and alkenols having not more than 4 carbon atoms with a mono NH_2-substituted aromatic hydrocarbon, said alcohol being present in an amount between 1 and 4 times the stoichiometric amount to produce the secondary amine, said reaction being carried out at a temperature between about 200° C. and 350° C. and a pressure between about atmospheric pressure and 100 pounds per square inch in the presence of a solid catalyst consisting essentially of about 2% to about 20% copper, an adsorptive alumina, and about 0.2 to 4 mols per mol of copper, of an oxide of a metal of the group consisting of Ca, Zn, Cr, Mg, Fe, and Mn.

2,580,285

PLATEN KNOB WITH TELESCOPING CLUTCH KNOB

William A. Dobson, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware

Application May 28, 1949, Serial No. 96,127
6 Claims. (Cl. 197—123)



1. The combination with a turnable platen, a line-space wheel, and a clutch to connect or disconnect the platen from the line-space wheel; of a turning knob for the platen coaxial therewith, a dual-purpose knob of large diameter also coaxial with the platen for turning the platen and for controlling action on said clutch, means associating said dual-purpose knob with said platen for rotation thereof as well as for opposite clutch-controlling movements axially of the platen, means to open and close said clutch by said opposite movements of said dual-purpose knob, one of said knobs being provided with a cylindrical recess of large diameter coaxial with the platen, forming on such knob a sleeve of large diameter, and the other knob comprising a portion in telescopic internal association with said sleeve and comprising further an axially neighboring gripping portion remaining always outside of said sleeve and having a diameter substantially at least as large as the said first portion of the knob, whereby the two knobs are telescopically associated and the platen is turnable always by either of the two knobs.

2,580,286

PROCESS OF TREATING CELLULOSIC AND SIMILAR MATERIALS

Rowell R. Dorsett, Baltimore, Md.

No Drawing. Application December 4, 1946, Serial No. 713,926
3 Claims. (Cl. 117—138.5)

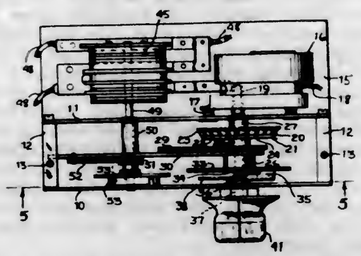
1. The method of treating materials of the class consisting of cellulose, cellulose coated with resins, cellulose coated with starch, and cellulose coated with mixtures of resins and starch to thereby inhibit degradation thereof when contacted with acid which consists in wetting said materials with an aqueous solution containing from about 0.5% by weight to about 10.0% by weight of an alkali-metal molecularly dehydrated glassy phosphate having a molar ratio of M_2O to P_2O_5 of from about 0.8:1 to 1.7:1, where M is a member of the group consisting of ammonium, lithium, sodium and potassium, removing said materials from contact with said solution and drying the same, the phosphate retained by said materials inhibiting degradation thereof when wetted with acid.

2,580,287

TIMING DEVICE

Gordon F. Duvall, deceased, late of Newton, Mass., by Harriet Irene Duvall, administratrix, Ballston Spa, N. Y., assignor to American Time Corporation, Springfield, Mass., a corporation of Massachusetts

Application January 13, 1949, Serial No. 70,737
2 Claims. (Cl. 161—1)



1. In a timing apparatus, the combination with the shaft of a timing motor, of a sleeve carried by said shaft for rotation relative thereto, means providing a coupling between said sleeve and said shaft to effect rotation of the sleeve in one direction by rotation of the shaft, said means being ineffective for coupling said sleeve and shaft for rotation in an opposite direction, means for rotating said sleeve independent of the rotation of the shaft, a program cam mounted on and rotatable with the sleeve, a drive member, an element on said drive member adapted to engage the cam surface of the program cam to move the drive member in one direction, a driven shaft, means providing driving connection between the driven shaft and the drive member to effect rotation of the driven shaft in one direction by movement of the drive member by said program cam, and a spring having one end portion connected to said driven shaft and an opposite end portion to a fixed member, for rotating said driven shaft to move the driven member in a direction opposite to the movement of said drive member by said program cam, said spring being placed under tension by movement of said drive member by said program cam.

2,580,288

ANTICORROSION COMPOSITIONS

Morton Fainman, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application September 28, 1948, Serial No. 51,643
7 Claims. (Cl. 252—49.6)

1. A composition consisting essentially of a major proportion of a liquid oleaginous lubricating material, and from about 0.001% to about 5% of a dialkoxy diaminosilane in which the alkoxy groups contain from 1 to about 20 carbon atoms.

2,580,289

STYRENATED ALKYD-MELAMINE SULFONAMIDE ETHER RESINS

Joel Fanti, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 20, 1947, Serial No. 756,095
8 Claims. (Cl. 260—45.3)

1. A curable heat reaction product of 100 parts of a modified alkyd resin with from 10 to 1000 parts of a modified melamine resin, said alkyd resin consisting essentially of a soluble fusible copolymer of an unsaturated monomeric material taken from the group consisting of polymerizable monovinyl aromatic hydrocarbons containing no aliphatic unsaturation other than the vinyl group, ring-substituted alkyl derivatives thereof, ring-substituted chlorine derivatives thereof and alpha-alkyl substituted derivatives thereof, with a drying oil alkyd resin containing from 40 to 65% by weight of a drying oil in chemical combination, said alkyd resin having been prepared from a polyhydric alcohol containing at least three hydroxy groups and a polycarboxylic acid free from non-benzenoid unsaturation, the ratio of oil-modified alkyd resin to unsaturated monomer varying from 100:50 to 100:150 on a weight basis, said melamine resin comprising the product of the reaction under alkaline conditions between 1 mol of melamine, 1–6 mols of formaldehyde, and an aryl sulfonamide followed by the reaction of said product with a monohydric alcohol under acid conditions, the aryl sulfonamide being taken from the group consisting of benzene sulfonamide and benzene sulfonamides substituted in the ring by an alkyl group and being present in the ratio of from 0.1 to 1.0 mol per mol of melamine.

2,580,290

POLYVINYL CHLORIDE PLASTICIZED WITH AN ESTER AND A PETROLEUM EXTRACT

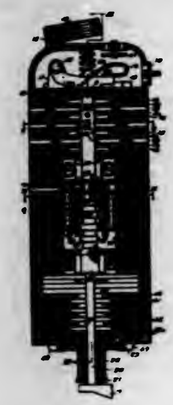
Eric William Musther Fawcett and Albert Millien, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

No Drawing. Application December 8, 1943, Serial No. 513,468. In Great Britain October 28, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 28, 1962
1 Claim. (Cl. 260—33.6)

A plastic composition which comprises polyvinyl chloride plasticized with a plasticizer com-

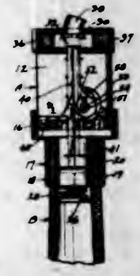
prising a compatible ester boiling above 125° C. at 1 mm. Hg pressure and a petroleum extract boiling above 300° C. at 760 mm. Hg pressure obtained by extracting petroleum with a non-reactive highly polar solvent; said polymer containing the same percentage of chlorine as in the polymer when first formed by polymerization, and said composition containing at least 0.7 part by weight of said total plasticizer per part of said polymer; the amount of extract constituting the major proportion of the sum of the amounts of said extract plus said ester, but said proportion being less than that at which the hydrocarbon extract ceases to be compatible in the composition.

2,580,291
CIRCUIT INTERRUPTER
Robert E. Friedrich and Winthrop M. Leeds, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 21, 1947, Serial No. 729,934
8 Claims. (Cl. 200—150)



1. In a circuit interrupter, a rod-shaped movable contact assembly including a first rod-shaped movable contact and a second rod-shaped movable contact separated by an insulating portion, relatively stationary contact structure including first and second relatively stationary contacts, slider contact means electrically interconnecting the first rod-shaped movable contact with the second relatively stationary contact during the opening operation, means forming a pressure-generating chamber and an interrupting chamber, passage means interconnecting the two chambers, the first movable contact being separable from the first relatively stationary contact to draw an interrupting arc within the interrupting chamber, the second movable contact being separable from the second relatively stationary contact to establish a pressure-generating arc within the pressure-generating chamber, means defining a constricted arcing chamber through which the rod-shaped movable contact assembly moves, the pressure-generating arc drawn between the second relatively stationary and movable contacts being drawn into the constricted arcing chamber, the surface of the insulating portion being grooved and movable into the constricted arcing chamber to force fluid longitudinally of the constricted arcing chamber adjacent the pressure-generating arc therein by piston action.

2,580,292
METERED BOTTLE CLOSURE
Ira M. Geary and Barney J. Schwartz, Los Angeles, Calif.
Application April 30, 1946, Serial No. 666,077
1 Claim. (Cl. 222—38)



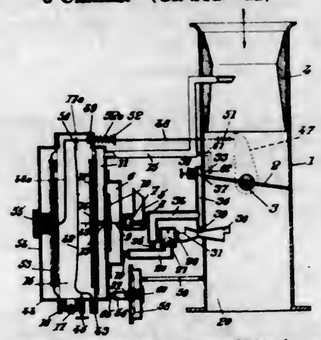
A liquid dispensing closure for containers comprising: a body attachable to a container against unauthorized removal and formed with a dispensing chamber, a mounting having an annular band around the bottom of the body and arms depending therefrom and hooked under an annular shoulder on the neck of a container affixed to the bottom of said body and formed with a filling chamber depending into the container and in constant communication with said dispensing chamber, said body having an outlet at the top of the dispensing chamber and said filling chamber having an inlet at its bottom, coaxial valves operatively connected for maintaining said inlet normally open to permit free flow of liquid from the container through said inlet and filling chamber to said dispensing chamber and when the valves are actuated for closing the inlet and opening the outlet so as to dispense a complete charge of liquid from the dispensing chamber, a stem connecting said valves, a spring borne by said stem and compressed between the end wall of the filling chamber and a portion of said stem, and an actuator slidable on the mounting in a plane paralleling the common axis of and operatively connected with said valve stem for opening the outlet and closing the inlet in a dispensing operation, an annular indicator surrounding said body and formed with a scale of numerals for indicating successive dispensing operations, said mounting having an aperture through which said numerals are visible, and means connecting said actuator with and for rotating said indicator one step in each dispensing operation.

2,580,293
THERMOPILE RADIOMETER
Joseph T. Gier, Oakland, Llewellyn M. K. Boelter and Robert Bromberg, Los Angeles, and Everett R. Dempster, Orinda, Calif., assignors to The Regents of the University of California, Berkeley, Calif.
Application March 20, 1948, Serial No. 16,024
6 Claims. (Cl. 136—4)



1. A self-sustaining thermopile radiometer coil having a continuous unbroken surface comprising a plurality of turns of electrically conducting wire of relatively fine gauge, each turn being embedded in and spaced from adjacent turns by a thin, continuous layer of hardened, thermosetting resin, said resin and wire constituting the only means for making said coil self-sustaining.

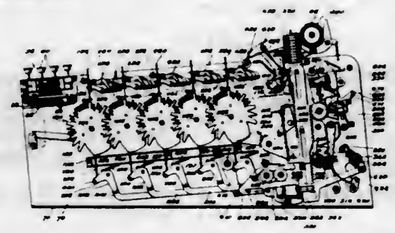
2,580,294
FUEL INJECTION CARBURETOR
Gaston Griffon, Neuilly-sur-Seine, France, assignor to Society called "Solex," S. A. R. L., Neuilly-sur-Seine, France, a society of the Republic of France
Application April 7, 1948, Serial No. 19,511
In France April 26, 1947
8 Claims. (Cl. 261—41)



1. A carburetter which comprises, in combination, an induction conduit having an air intake, a throttle in said conduit, a venturi in said conduit, a fuel chamber having at least one wall portion movable in response to pressure variations therein, a fuel feed pipe leading into said chamber adapted to be supplied with fuel under pressure, valve means for controlling the flow section from said pipe to said chamber, said valve means being operatively connected with said movable wall portion to reduce said section when the pressure in said chamber increases and vice-versa, a pneumatic chamber having at least one wall portion movable in response to pressure variations therein, means for transmitting to said pneumatic chamber the suction existing in said venturi, means for mechanically interconnecting said two wall portions so that an increase of this suction tends to increase said flow section and vice-versa, the second mentioned wall portion being of greater area than the first one, a fuel nozzle opening into said induction conduit, communication means interposed between said fuel chamber and said nozzle including a main jet arranged to be uninfluenced by suction variations in said conduit on the downstream side of said throttle, idling means forming a fuel outlet opening into said conduit and communication means connecting said idling fuel outlet and said fuel chamber to transmit the suction in said conduit on the downstream side of said throttle to said fuel chamber to control said valve means, said communication means including an idling jet.

2,580,295
PARTIAL PRODUCT MACHINE
Marion W. Grigsby, Arlington Heights, and Thomas O. Mehan, Park Ridge, Ill., assignors to Bertram J. Grigsby, Chicago, Ill., as trustee
Application June 3, 1947, Serial No. 752,220
23 Claims. (Cl. 235—60)

1. In a calculating machine in which a plurality of stop elements are set up concurrently to represent each of the partial products of each digit of the multiplicant by each digit of the multiplier, the combination of a denominationally ordered accumulator, denominationally ordered actuators for the accumulator, means to cause repeated excursions of the actuators differential distances into engagement with the stop elements, means to engage the accumulator with the actuators while they move in one direction and to disengage it therefrom while they move in the opposite direction, means operable prior to each excursion of the actuators to move the stop elements sequentially in groups into effective positions to arrest the actuators, said means operating on the stop elements in groups with not more than one stop element of each denominational order in each group, means providing a zero stop for each actuator for engagement thereby when none of the stop elements of its denominational order is moved to effective position, and means to restore all of the stop elements to zero position after all of the partial products represented thereby have been added into the accumulator.

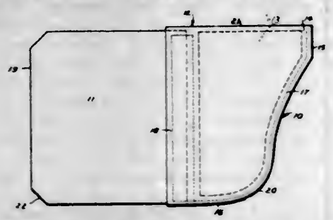


2. In a calculating machine, the combination of a plurality of shafts, a plurality of notched plate assemblies rotatably mounted on each of said shafts, resilient means to hold the assemblies in predetermined angular positions on their shafts each of said assemblies having stop faces representing respectively the products of "0" to "9" by "0" to "9," a pair of keyboards, means under the control of one of the keyboards to rotate said shafts respectively through angles representative of the digits of the factor set up in one of the keyboards, means under the control of each operated key of the other keyboard to set one assembly on each of said shafts to a position representing the products of each digit set up in the first keyboard by the digits of the operated keys of said other keyboard, said last named means operating by relative rotation of the assemblies and the shafts upon which they are mounted against the forces applied by said resilient means, means for sensing the partial products thus set up in said assemblies, and means for adding the partial products sensed.

2,580,296
LOSS-PREVENTING DEVICE FOR PURSES
Eldon C. Henderson, Paso Robles, Calif.
Application November 12, 1948, Serial No. 59,549
4 Claims. (Cl. 150—47)

1. A loss-preventing device for securing a purse within a pocket of an article of clothing comprising a purse-engaging tab and a guard tab, both tabs being of thin, stiff sheet material, a flexible wear-resistant cover permanently fixed on each face of the guard tab and extending as two parallel sheets beyond one edge of the guard tab and fixed to opposite faces of the purse-engaging tab to form a hinge between said tabs, there being a small interval between the tabs, the combined widths of said tabs and of said interval

in a direction perpendicular to the hinge being slightly greater than the width of the opening of said pocket to prevent extraction thereof through said opening when the tabs are unfolded within the pocket with the hinge substantially perpendicular to the opening, said interval being great



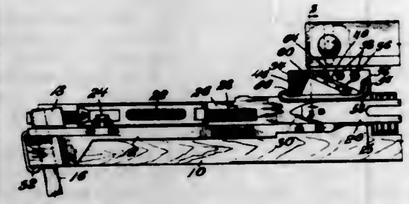
enough to permit the guard tab to be folded over the outside face of the purse when the purse-engaging tab is inserted into said purse to permit passage of the purse and loss-preventing device through said opening.

2,580,297

SHUTTLE GUIDE

Harold Hoeber, deceased, late of Dartmouth, Mass., by Barbara O. W. Hoeber and William T. Read, executors, Dartmouth, Mass., assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass., a corporation of Massachusetts

Application March 26, 1947, Serial No. 737,315
4 Claims. (Cl. 139—183)



1. In a loom, an oscillating lay, a shuttle box on said lay, a shuttle, means for picking the shuttle, said shuttle box having front and back walls and a bottom wall, and a guiding member positioned adjacent to the entering end of said shuttle box with a lower surface parallel to the bottom wall and means to movably mount said member to maintain its lower surface parallel to said bottom wall, said means controlling the movement of said member to cause its surface to remain stationary to direct and maintain the shuttle in position against the bottom of the shuttle box when the shuttle is driven out of the box.

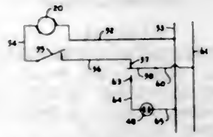
2,580,298

AUTOMATIC STOP FOR CALCULATING MACHINES

George W. Hopkins, San Leandro, and John L. Moody, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc., a corporation of California

Application September 7, 1946, Serial No. 695,364
8 Claims. (Cl. 318—475)

1. In a device of the character described, a power supply, a motor, a lamp, a driven means, means for connecting said motor to said power supply including a normally closed switch, means for connecting said lamp to said power supply including a normally open switch, means for transmitting torque from said motor to said driven means including a yieldable clutch, means operated by said clutch upon yielding thereof for opening said normally closed switch and closing said normally open switch, a latch operable in



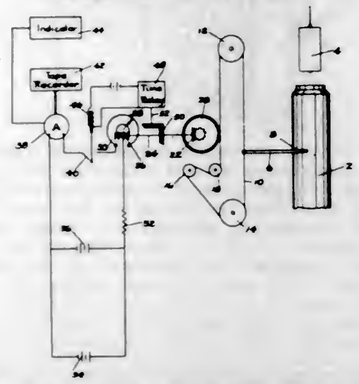
response to operation of said clutch operated means for releasably holding said clutch operated means in operated position, and a depressible key for releasing said latch, said lamp serving as the key top of said key.

2,580,299

PILE DRIVING MEASURING INSTRUMENT

August Byron Hunicke, Spring Hill, Ala.

Application May 5, 1947, Serial No. 745,897
6 Claims. (Cl. 73—84)



6. An apparatus for determining the point at which a pile being hammer driven has reached a desired load bearing capacity, comprising an electrical circuit composed of voltage means, rheostat means actuable by said pile for varying the current produced in said circuit as a function of the movement of said pile, time delay means for delaying energizing of said circuit until after the pile reaches final set, and means actuated by said current flow through said circuit for indicating the load bearing capacity of said pile as a function of the distance said pile is moved to final set.

2,580,300

POLYALKYL BENZOPHENONE MIXTURE

Herbert L. Johnson, Media, and Archibald P. Stuart, Norwood, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application August 12, 1949, Serial No. 110,042
4 Claims. (Cl. 260—591)

1. The method of preparing a mixture of polyalkylated benzophenones which comprises treating a petroleum hydrocarbon fraction comprising aromatics and saturated constituents and boiling substantially through the range 300° F.–400° F. with phosgene in the presence of aluminum chloride; hydrolyzing the reaction products; and recovering from the hydrolyzed reaction products

a fraction boiling substantially through the range 392–482° F. at 4 mm. Hg and comprising essentially diaryl ketones having an average of 19 carbon atoms per molecule.

2,580,301

POLYVINYL CHLORIDE RESIN PLASTICIZED WITH A MIXTURE OF POLYALKYLATED BENZOPHENONES

Herbert L. Johnson, Media, and Archibald P. Stuart, Norwood, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application August 12, 1949, Serial No. 110,043
3 Claims. (Cl. 260—32.8)

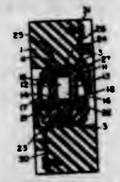
1. A composition comprising a polyvinyl chloride resin plasticized with a mixture of polyalkylated bensophenones obtained by treating a petroleum hydrocarbon fraction comprising aromatics and boiling substantially through the range 300° F.–400° F. with phosgene in the presence of aluminum chloride, said mixture boiling through the range 392° F.–482° F. at 4 mm. Hg, and comprising essentially diaryl ketones having an average of 19 carbon atoms per molecule.

2,580,302

FLUID TYPE SWITCH

Vincent W. Jones, Cleveland Heights, Ohio

Application January 2, 1948, Serial No. 2,289
12 Claims. (Cl. 200—152)



1. A mercury switch element comprising a hollow body having contact chambers therein and an expansion chamber therebetween, electrodes in the contact chambers, respectively, mercury in all of said chambers, said body having passage means connecting the contact chambers with each other through the expansion chamber, said contact chambers being sealed except for said passage means, said chambers and passage means and volume of mercury being related so as to cause mercury to connect the electrodes together and block the passage means in one position of the body and to disconnect the electrodes from each other and unblock the passage means in another position of the body, and said body having a vent independent of the passage means and opening at one end directly into the expansion chamber and connecting the expansion chamber with the atmosphere above the level of the mercury in the position of the body in which the passage means are blocked.

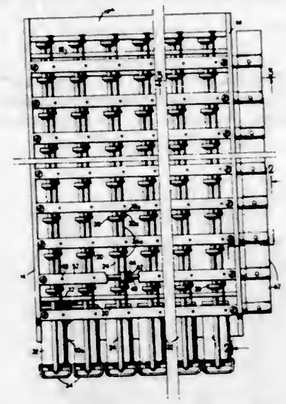
2,580,303

STORAGE DEVICE FOR RECORD CONTROLLED COMPUTERS

Harold J. Kistner, Union, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 25, 1949, Serial No. 101,449
9 Claims. (Cl. 235—61.6)

1. A storage device comprising a plurality of storage elements, each consisting of a plurality of pairs of spaced, normally open contact points in substantial alignment with corresponding normally open pairs of contact points of an adjacent element whereby aligned pairs of contact points of adjacent elements constitute an elec-



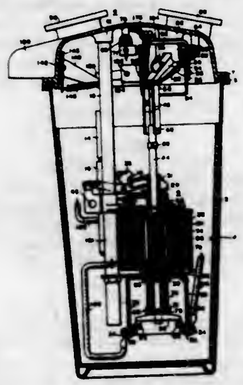
tric storage zone, common means for simultaneously closing all the contact points of a plurality of storage elements constituting a given zone, and means thereafter operative to latch selected closed contacts of such zone in closed position.

2,580,304

CIRCUIT BREAKER OPERATION COUNTER

Joseph K. Kraft, Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

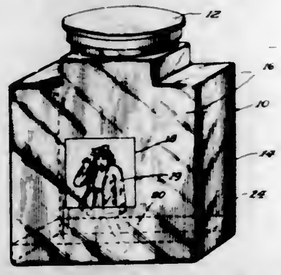
Application July 23, 1949, Serial No. 106,437
10 Claims. (Cl. 235—92)



4. An operation counter for a circuit breaker having separable contacts and electromagnetic means for separating said contacts at a high speed, and having means for automatically reclosing said contacts following a circuit opening operation with a force which varies during circuit closing movement of said contacts comprising, a counting device, an oscillatory drive member for said device having a one-way drive connection therewith, means biasing said drive member to perform a counting operation, a mechanical connection of said drive member and a part movable with a part of said breaker for resetting said drive member, an accelerating spring in said mechanical connection adjacent said drive

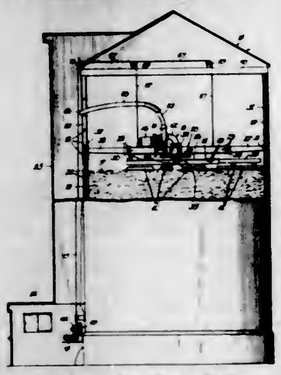
member for accelerating elements of said mechanical connection and thus relieving said biasing means of the accelerating load, and means for loading said accelerating spring at the point in closing movement of said contacts where the force exerted by said closing means is a maximum.

2,580,305
DISAPPEARING IMAGE IN BOTTLE
John Kremer, Cleveland, Ohio
Application January 16, 1948, Serial No. 2,646
3 Claims. (Cl. 272—8)



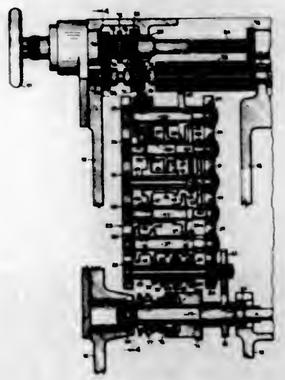
1. A device of the character described comprising a vessel having a transparent window portion, an object within said vessel and in visual alinement with said window portion and a mixture contained within said vessel, the said mixture following a state of agitation acting to coat the inner walls of said vessel with an obscuring film, and when in a state of agitation acting to remove said film, thereby to facilitate passage of light through said window portion, said mixture comprising substantially equal parts of a saturated solution of dibasic sodium phosphate and a solution of mineral oil and perchlorethylene, the density of the second solution being slightly less than that of the first solution, and substantially equal parts of a dye and powdered graphite, the proportions of the dye and graphite being minute in relation to the volume of said solutions.

2,580,306
SILO UNLOADER
Elbert C. Leach, Otto F. Manthie, and George D. Clapp, Oshkosh, Wis., assignors to Leach Company, Oshkosh, Wis., a corporation of Wisconsin
Application September 5, 1945, Serial No. 614,564
21 Claims. (Cl. 214—17)



5. A silo unloader, for installation in a silo above the upper surface of the silage, comprising a vertically movable frame, means carried by the frame for loosening the silage and discharging it laterally from the silo as the frame moves downwardly, a motor for operating said means, means for controlling the downward movement of the frame and the operation of the motor, said control means including a hydraulic piston and cylinder unit for regulating the downward movement of the frame, said unit being located at the base of the silo and having one of its relatively movable parts connected with the frame, and a time switch actuated by the position of one of the relatively movable parts of said unit for shutting off the motor a predetermined length of time after the downward movement of the frame has been stopped.

2,580,307
MILLING MACHINE FEED DRIVE TRANSMISSION
Richard K. Le Blond, Cincinnati, and Harry C. Kemper, Goshen Township, Clermont County, Ohio, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio, a corporation of Delaware
Application June 16, 1950, Serial No. 168,462
3 Claims. (Cl. 74—333)



1. In a change feed transmission for a machine tool having a member to be actuated at variable feed and at a rapid traverse rate, a power transmission therefor comprising a rapid traverse and feed drive shaft directly connected to the input shaft of a change feed transmission, an output shaft for said transmission, a series of four intermediate shafts in said change feed transmission, a four position shiftable gear on the input shaft of said transmission, a double gear on said third intermediate shaft shiftable to a series of three positions, a single lever control device for simultaneously shifting said gears on the input shaft and third shaft in a predetermined sequential order to effect rate changes in said output shaft of said transmission, means for connecting said output shaft of said transmission to the member to be actuated including an overrunning clutch interconnected between said member and said output shaft, and means for connecting said feed and rapid traverse power shaft to the member to be actuated including a friction disconnect rapid traverse clutch, and a control lever means for engaging or disengaging said rapid traverse clutch.

2,580,308
WOOD-SWELLING COMPOSITION AND A JOINT PRODUCED THEREWITH
Walter Lindenthal, Freeport, N. Y.
No Drawing. Application October 24, 1946, Serial No. 705,497
3 Claims. (Cl. 154—43)

1. The combination which comprises at least two joinable members at least one of which is wood, said joinable members consisting of a recessed member and a second member adapted to fit within the recess of said recessed member, at least one of said members being impregnated with a composition consisting essentially of 4 to 12 parts of a natural resin of acidic nature, 4 to 12 parts of an oxygenated solvent of low molecular weight, water, and 2 to 8 parts of a basic substance which will react with the acidic resin to form a water dispersible composition, said composition being adapted to cause swelling of the wood with which it is in contact.

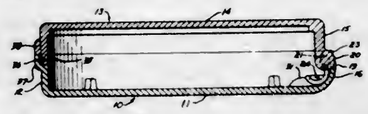
2,580,309
CAMERA TRACK STRUCTURE
Alfred E. Little, Chicago, Ill., assignor to Busch Precision Camera Corporation, Chicago, Ill., a corporation of Illinois
Application February 2, 1949, Serial No. 74,119
1 Claim. (Cl. 95—46)



In a camera track structure, means for slidably supporting a track upon a camera bed comprising a pair of parallel vertically arranged strip members secured to the bed along the length thereof and having strip guide members secured to their respective upper edges, said strip guide members being in bearing engagement with upper surfaces of the track, a plurality of vertically arranged strips spaced from and parallel with said strip members, said strips being secured to said bed, a pair of elongate pressure members parallel to said strip members, a plurality of guide members offset and equally spaced from said pressure members and having necks connecting the same to said members respectively, each of said strips being engageable with an associated guide member whereby to confine said pressure members against motion parallel to the bed, but permitting motion perpendicular thereto, housings integral with said pressure members and having downwardly opening cavities, coil springs loosely confined in the cavities and having their lower ends bearing against the cameral bed whereby resiliently to support said pressure members and space same from the bed, said pressure members engaging the bottom of said track and thereby pressing the upper surfaces of said track into engagement with said strip guide members.

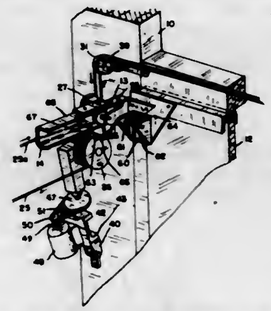
2,580,310
PLASTIC SNAP HINGE
René P. Magnenat, Waterbury, Conn., assignor to Waterbury Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut
Application October 14, 1949, Serial No. 121,337
4 Claims. (Cl. 220—31)

1. In a container, the combination comprising a base constructed of molded plastic material, a peripheral wall integral with and upstanding from said base, said peripheral wall comprising a rearwardly off-set bracket portion having a slot in its upper edge, a molded plastic cover for said base comprising a depending lug disposed within said slot, said bracket portion extending forwardly at opposite sides of said slot to provide a pair of short flanges having downwardly and forwardly facing horizontal bearing surfaces, a pair of aligned trunnions integral with opposite ends of said depending lug and underlying said bearing surfaces, a shallow substantially U-



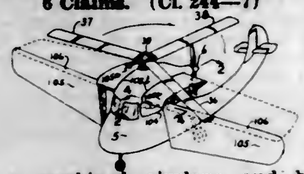
shaped spring within said container having opposed outwardly projecting end portions, means centrally located at the outer end of said depending lug and off-set from said trunnions for holding the central portion of said spring, and means within said base and aligned with and forward of said first spring retaining means for constraining the outwardly projecting end portions of said spring against inward movement with respect to said base without interfering with sidewise expansion of said end portions, whereby said spring will have a snap toggle action urging said cover selectively toward open and closed positions.

2,580,311
DOOR OPERATING MECHANISM
Mahlon M. Matchett, Detroit, Mich., assignor, by mesne assignments, to McKee Door Company, Aurora, Ill., a corporation of Illinois
Application March 24, 1947, Serial No. 736,875
4 Claims. (Cl. 268—59)



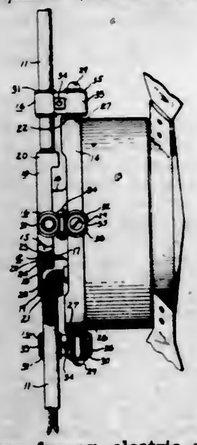
1. Power operating mechanism for a tilting garage door of the type having spaced tracks extending rearwardly from adjacent the top of the door opening at opposite sides thereof, said tracks being located laterally beyond the sides of said door opening, rollers carried by the door adjacent the top corners thereof and movable along said tracks, said power operating means comprising: a single cable having runs extending parallel to said tracks and spaced outwardly therefrom, power means for moving said cable, and connecters carried by said door adjacent its top corners and secured to said cable, said connecters comprising brackets mounted adjacent the top corners of said door, arms pivotally carried by said brackets and extending outwardly beyond said tracks, and means securing the ends of said arms to said cable.

2,580,312
CONVERTIBLE AIRPLANE AND HELICOPTER
Hamilton K. Moore, St. Louis, Mo.
Application January 20, 1947, Serial No. 723,105
6 Claims. (Cl. 244—7)



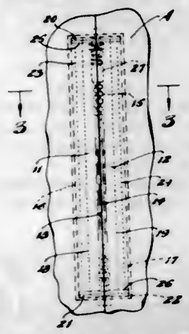
1. In a combined airplane and helicopter adapted for vertical ascending and descending movements and straight-line travel at will, a helicopter assembly permanently mounted at the top of the airplane body, a power source for the helicopter assembly, the helicopter assembly including a housing, a vertical rotor shaft journaled in the housing and extending thereabove, three rotor blades radially extending from the upper end of the rotor shaft and uniformly spaced about a center located on the longitudinal axis of the rotor shaft, one of said rotor blades being mounted with a permanent fixed pitch, the remaining pair of rotor blades being mounted for individual and controlled adjustment as to pitch, blade pitch adjusting means for placing the adjustable pitch blades in the same pitch as the fixed pitch blade relative to the plane of rotation about the rotor shaft for rendering the helicopter assembly rotatably operable for vertical movement of the airplane, said means including means to rotate one of said adjustable pitch blades to present its transverse axis vertically to function as a rudder whereby when the rotor shaft is disconnected from the power source, the rotor blades will be disposed symmetrical to a vertical plane through the longitudinal axis of the airplane, with the blade of permanent fixed pitch and one of the blades of variable pitch respectively extending in opposite directions substantially transversely of the longitudinal axis of the airplane, and the other blade of variable pitch being in a trailing position with respect to the line of flight.

2,580,313
MOTOR MOUNTING
Wayne J. Morrill, Fort Wayne, Ind.
Application June 12, 1946, Serial No. 676,308
7 Claims. (Cl. 248—26)



1. A mounting for an electric motor having an end bell with a hub portion thereon, said end bell having an annular portion encircling the hub portion, said mounting comprising a supporting spider having a center portion with an opening therein to receive said hub portion, said supporting spider having arms extending somewhat radially outwardly from the center portion and fastened thereto, means for resiliently mounting the said hub in the center portion of the supporting spider, and means for resiliently connecting the annular portion of said bell to the said arms at a distance radially from said hub.

2,580,314
GARMENT WITH EXPANDIBLE OPENING
William L. Nehrenz, New York, N. Y.
Application May 11, 1949, Serial No. 92,613
1 Claim. (Cl. 2—38)

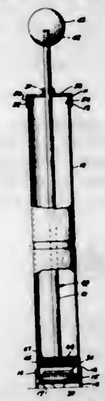


In a garment, a body having oppositely disposed side wall portions providing an elongated slit closed at its opposite ends, interengageable slide fastening means including slide engaging tapes secured to the inner faces of said side wall portions longitudinally of and adjacent to the edges of the slit whereby said tapes are concealed beneath the side wall portions when the edges of the slit are in abutting closed relation, a slide fastening element engaging said tapes and accessible from outside the slit for closing the same and for disposing the sides of the slit in abutting closed relation, and a flexible resilient backing secured to the inner face of said side wall portions across the ends of said slit and longitudinally of and in spaced relation to the edges thereof in underlying relation with the tapes and in bridging relation with the slit, and said backing being stretchable laterally when the side walls of the body are spread apart to widen the slit.

2,580,315
EMULSION POLYMERIZATION PROCESS
Harold F. Park, East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 5, 1947, Serial No. 739,653
2 Claims. (Cl. 260—93.5)

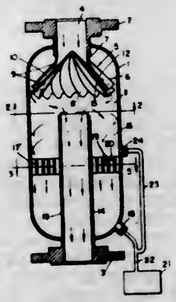
1. A process which comprises polymerizing by heating to polymerization temperature 100 parts of styrene in a polymerization medium consisting of water, from 0.1 to 0.5 part of an emulsifying agent taken from the group consisting of primary alkyl amine esters in which the alkyl group contains from 8 to 22 carbon atoms and the ester group is a radical of a lower aliphatic acid containing from 1 to 5 carbon atoms, and from 0.005 to 0.4 part of a water-soluble polymerization catalyst having an oxidation-reduction potential of less than —1.5

2,580,316
APPARATUS FOR RAPID SOLUTION AND/OR SUSPENSION OF POWDERED SOLIDS
David D. Peebles, San Mateo, and Guy P. Hensley, San Francisco, Calif., assignors to Golden State Company, Ltd., San Francisco, Calif., a corporation of Delaware
Application April 12, 1949, Serial No. 87,682
6 Claims. (Cl. 259—95)



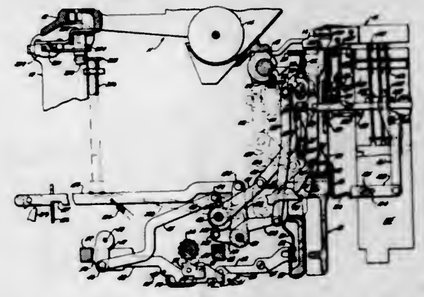
1. An apparatus for reconstituting powdered milk which comprises a cylindrical housing, identical releasable means for attaching caps at both ends of said housing, a cap for one end of said housing carrying an axial guide member for cooperation with an operating piston stem, an operating piston stem extending into the housing through said guide member, releasable means carried by the portion of the stem outside the housing for effecting movement of the stem, a low-frictional-resistance piston member carried by the inner end of said stem and a cap for the other end of said housing securing means to said housing having radially positioned apertures angled transverse to a vertical plane passing through the radial axis of said inlet means for simultaneously creating turbulent and vortical flow of liquid as it enters and is ejected from the housing.

2,580,317
PURGER
Joseph C. Pekar, Bedford, and James P. Hird, Lakewood, Ohio, assignors to Kep-Dri Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 25, 1950, Serial No. 146,348
3 Claims. (Cl. 183—80)



1. A purger for fluids comprising a casing formed with a passage therethrough which includes a laterally enlarged portion between its ends, a diffuser at one end of such enlarged portion forming a series of conical helical passages through which fluid is adapted to flow and thus caused to swirl and flow endwise along the side wall of such enlarged portion, a tubular member open at both ends extending endwise into and centrally of the other end of such enlarged portion whereby to define an outlet passage for fluid and to define with such enlarged portion an annular sediment receiving chamber into which suspended particles from the swirling fluid are adapted to pass from such enlarged portion, said diffuser comprising a pair of concentric conical elements secured in spaced relation and formed with matching spiral corrugations defining such conical helical passages therebetween.

2,580,318
POWER OPERATED TABULATING MECHANISM FOR TYPEWRITING MACHINES
Henry L. Pitman, Melbourne, Fla., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application August 20, 1948, Serial No. 45,373
13 Claims. (Cl. 197—178)

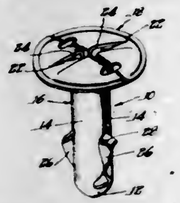


1. A typewriting machine comprising a base portion and a latter-spaceable paper carriage, a tabulator stop on said carriage, a plurality of decimal tabulator counter-stops mounted upon said base portion, a common mechanism for power projecting said counter-stops into the path of movement of said tabulator stop, means for individually selecting said counter-stops for power projection by said common mechanism, and means associated with said counter-stops for causing restoration to an unprojected position of any projected counter-stop whenever said counter-stop is struck by said tabulator stop in either direction of carriage travel.

2,580,319
ROTARY FASTENER
Ouglicsa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application December 12, 1947, Serial No. 791,281
5 Claims. (Cl. 24—221)

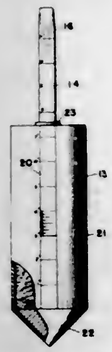
1. A quickly operable sheet metal rotary fastener comprised of a single piece of sheet metal stock, including oppositely concaved shank sections having their longitudinal margins in abutting relation, a head portion on one extremity of and formed integral with said shank sections, said head portion having means adapted to be gripped for rotating the shank sections, and oppositely disposed lugs formed integral with and extending outwardly from the periphery of said shank sections, each of said lugs presenting rela-

tively rigid wing-like structures which sufficiently overlap the adjacent abutting margins



of the shank sections to prevent lateral shifting of said shank sections.

2,580,320
LIQUID SURFACE SENSING DEVICE
Harold A. Quist, Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application December 1, 1948, Serial No. 62,857
5 Claims. (Cl. 33—126.5)



5. A liquid surface sensing device comprising a rigidly formed hollow bob shaped to displace a large volume of liquid in relation to weight, a low specific gravity discrete solid filler of high reinforcing strength in said hollow bob to preserve the shape thereof under pressure, a weight forming a part of said bob positioned to operably align the same and increase the specific gravity of the device over that of the measured liquid, and graduated flexible means secured to said member for suspending the same in liquid surface sensing relation with said datum.

2,580,321
HOOD BONDING CLIP
Clarence A. Rees, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application May 20, 1948, Serial No. 28,182
4 Claims. (Cl. 173—324)



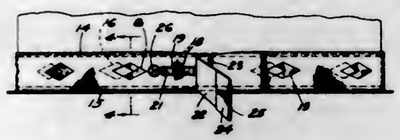
1. An electrical bonding clip structure adapted to be compressed between opposed work parts and comprising a strip of electrically conductive sheet metal including an arched section, a plurality of teeth struck outwardly from the crest of said arched section and adapted aggressively to impinge a first work part pressed thereagainst, an attaching section connected to one end of said arched section and apertured to accommodate an anchoring member for attaching said clip structure to a second work part spaced from the first work part, and a rounded work engaging surface formed on the other end of said arched section and adapted to bear against a work part spaced from the first work part.

2,580,322
BOTTLE CAP
Martin Robeski, Wauwatosa, Wis.
Application September 29, 1949, Serial No. 118,502
1 Claim. (Cl. 215—46)



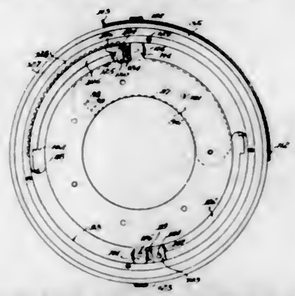
A bottle cap of the type having a flange adapted to be crimped over the mouth bead of a bottle comprising, a pair of ears extending from the lower periphery of the flange and positioned diametrically opposite one from the other, each ear extending upwardly conforming to the contour of the flange and thence over the top portion of the cap, the outer ends of said ears terminating in an overlapped relation, and a key having a slot therein for receiving the overlapped ends of the ears, whereby upon rotation of the key said ears will be wound upon the key to pull the respective portions of the flange upwardly and thereby release the cap from the bottle.

2,580,323
VENTILATED HAT
Asa M. Russell, Los Angeles, Calif.
Application November 28, 1949, Serial No. 129,743
4 Claims. (Cl. 2—176)



3. In a ventilated hat having a body portion and an outside band, there being ventilating openings through said body portion and outside band continuously in register with each other, an endless band located between said body portion and outside band, said endless band having a series of ventilating apertures extending throughout its circumference and, for the purpose of placing its said ventilating apertures in varying degrees of fully opening or closing the first recited ventilating openings, being manually slidable around said body portion of the hat, and a sweat band having a series of apertures extending throughout its circumference alining with the openings of said body portion and outer band.

2,580,324
CAMERA DIAPHRAGM MECHANISM
Alfred Schwarz, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a corporation of New York
Original application April 28, 1945, Serial No. 590,770. Divided and this application April 15, 1946, Serial No. 662,344
7 Claims. (Cl. 95—64)



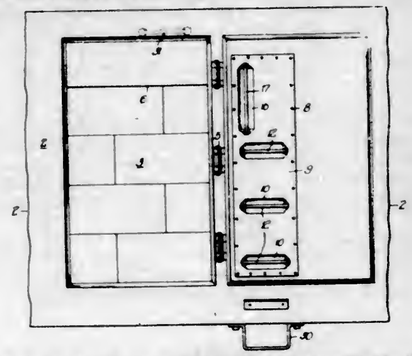
1. A camera diaphragm mechanism comprising a casing having a diaphragm opening, a plurality of diaphragm leaves for controlling said opening, a plurality of independently movable elements each connected with all of said leaves for moving the same to vary said opening, said elements being movable along a common path into interfering engagement with each other and stop means comprising cooperating parts on said elements and casing for releasably connecting one of said elements with said casing to prevent engagement thereby with the other of said elements in the different adjusted positions of said other element.

2,580,325
TREATMENT OF POLYMER EMULSIONS
Milton J. Scott, Lexington, and Elwood F. Jackson, Ludlow, Mass., and Costas H. Basdekis, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 5, 1949, Serial No. 108,868
4 Claims. (Cl. 210—24)

1. A process for treating an aqueous emulsion of a vinylidene polymer to remove impurities consisting essentially of emulsifying agents and catalyst residues therefrom which are detrimental to the electrical and water-resistant properties thereof which comprises treating the emulsion with a cation exchange resin which is active in the hydrogen cycle until substantially all of the objectionable cations are removed from the emulsion, separating the resin from the emulsion, then treating the emulsion with an anion exchange resin until substantially all of the objectionable anions are removed and finally separating the anion exchange resin from the emulsion.

2,580,326
LADDER FOR RAILWAY CAR
Oliver M. Stevens, St. Louis, Mo.
Application March 29, 1947, Serial No. 738,137
1 Claim. (Cl. 228—49)

In a railway car having a horizontally swingable door for closing a doorway in a wall of said car, said door having a plurality of spaced recesses in the outer surface thereof when the door is in open position; a metallic plate having spaced horizontal depressions formed therein and a vertical depression formed therein above the horizontal depressions and rungs spanning said depressions longitudinally thereof, said plate adapted to be mounted upon said outer surface with said depressions fitting said recesses and with



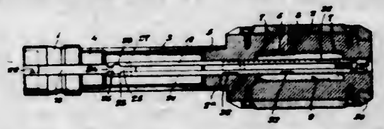
the outer surfaces of the rungs substantially flush with said outer surface, whereby when the door is in open position the rungs will not increase the width of the car over the doors and when the door is in closed position the rungs will not interfere with the lading space of the car.

2,580,327
TANDEM MANDREL
Joseph Sunnen, Clayton, Mo.
Application February 15, 1949, Serial No. 76,592
8 Claims. (Cl. 51—184.3)



6. In a honing mandrel assembly, a body formed with an axial bore, an adjusting mechanism for hones arranged in said bore, said body having longitudinally spaced openings extending transversely therethrough and intersecting said bore for receiving a plurality of expansible hone carrying elements to be operably associated with said adjusting mechanism, said adjusting mechanism including a rod member, spaced wedges hingedly connected with said rod member, means for securing certain of said wedges to said rod and against longitudinal movement in either direction with respect to said rod, means for connecting others of said wedges on said rod for longitudinal movement in one direction only, and means carried by said rod for shifting the last named wedges with respect to said rod and with relation to the fixed wedges.

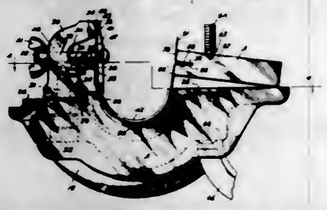
2,580,328
OPPOSED STONE MANDREL
Joseph Sunnen, Clayton, Mo.
Application February 15, 1949, Serial No. 76,593
1 Claim. (Cl. 51—184.3)



In an opposed stone type honing mandrel, a mandrel body including a chuck end and a stone

carrying portion, said mandrel being formed throughout with an axial bore including spaced parallel wall portions, said stone carrying portion of said mandrel being formed with a transverse opening intersecting said axial bore inwardly of its outer end, the transverse opening being relatively wide to form stone carrying recesses at each side of the axial bore, a pair of parallel spaced wedge bars in the bore of the mandrel, an operating bar pivotally connected to the inner end of each wedge bar for limited movement, honing stone carriers arranged in said recesses and including portions operably associated with said wedge bars to cause their radial movement upon shifting of said wedge bars in said bore, and means for retaining said wedge bars in parallel alinement when in position to engage said honing stones, said last named means including a plate carried by one of said wedge bars and having portions extending beyond the end walls defining said transverse opening.

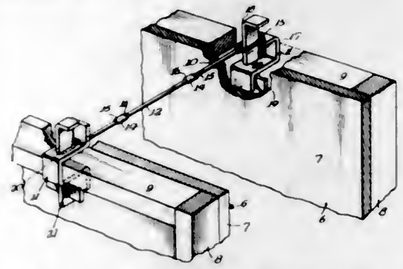
2,580,329
INSERT HOLDER
Joseph Sunnen, Clayton, Mo.
Application March 31, 1949, Serial No. 84,558
12 Claims. (Cl. 77—63)



1. An insert holder for receiving and backing inserts to be machined, said holder including a body member formed with an arcuate recess to receive insert members, block members arranged for longitudinal adjustment along one marginal edge of said recess, said blocks having their inner faces shaped to form a continuation of the arcuate recess in the body member, a rear guide element including a guide bar for said blocks secured to said body member at one side of said recess, blade means between said blocks and said rear guide element for maintaining said blocks in a common plane, said blade member having one edge engaging said guide element and abutting inner face portions of said blocks and securing said blocks in adjusted position against said guide, and a clamping block including a rigid body and a resilient clamping blade carried by said body member at the other side of said recess engaging the upper edge portions of the insert and binding the insert into said recess in the body member.

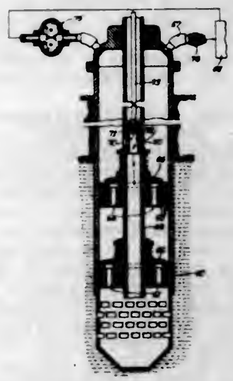
2,580,330
TIE ROD FOR CONCRETE WALL FORMS
Arthur H. Symons, Chicago, Ill., assignor to Symons Clamp and Mfg. Company, Chicago, Ill.
Application December 4, 1948, Serial No. 63,537
1 Claim. (Cl. 25—131)

As a new article of manufacture, a tie rod designed to hold in spaced apart relation a pair of upstanding concrete wall forms, formed originally of a one-piece length of metal of circular cross section and uniform diameter from end to end, consisting of uniformly cylindrical central and end parts, adapted to have its central part and the inner portions of the end parts thereof embedded directly in the concrete that is poured between the forms, and having between its central and end parts a pair of die formed parallel sided flats which are of rectangular cross section, are of uniform thickness from end to end but of less thickness than said central and end parts, and have square or right angle corners between their outer ends and the contiguous portions of the end



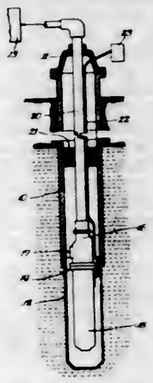
parts, the points of juncture between the outer ends of the flats and said contiguous portions being of less cross sectional area than the end parts due to said square or right angle corners and forming points of weakness or break-off points whereby said end parts in connection with turning thereof relatively to the central part of the rod after pouring of concrete between the forms are caused to be severed at only said square corners.

2,580,331
PUMPING APPARATUS
Don H. Teetor, Hagerstown, Ind.
Application November 22, 1946, Serial No. 711,582
8 Claims. (Cl. 103—3)



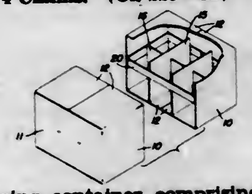
1. Pumping apparatus for an oil-well comprising a casing adapted to extend from the ground level to the bottom of the well and having an intake at its lower end, and a pump unit mounted in said casing adjacent the lower end thereof and being normally operable to create a flow of oil drawn through said intake into the lower end of said casing and delivered upwardly through said casing to the ground level, said unit having a pipe extending upwardly through said casing, and valve means shiftably mounted adjacent the lower end of said casing to provide for reverse flow through said unit, said valve means having an operating member extending upwardly through said pipe to the ground level.

2,580,332
PUMPING APPARATUS
Don H. Teetor, Hagerstown, Ind.
Original application November 22, 1946, Serial No. 711,582. Divided and this application February 16, 1951, Serial No. 211,366
3 Claims. (Cl. 103—3)



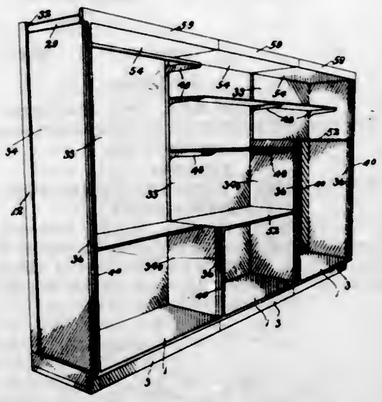
1. Pumping apparatus for an oil well comprising a casing adapted to extend from the ground level downwardly to the producing strata of the well and having an intake at its lower end in said producing strata, a pump unit comprising a reversible motor and reversible pump mounted in said casing adjacent the lower end thereof and normally adapted to draw oil inwardly through said intake and deliver it to the ground level through said casing, means for effecting reverse operation of said motor and pump for effecting reverse flow therethrough to draw fluid from the ground level and force it outwardly through said intake to remove obstructions therefrom, and pressure sustaining means comprising a packer mounted in said casing and capable of resisting upward pressure for confining the reverse flow from the pump unit to the lower end of said casing, said packer being located closely adjacent the top of the pump and above said intake whereby the volume of the space below said packer and between said casing and pump is held to a minimum to permit a rapid build-up of the pressure within said intake on the reverse flow with a minimum volume of fluid.

2,580,333
DIVISIBLE CARTON
Allen B. Thomas, Rochester, N. Y.
Application May 28, 1949, Serial No. 95,963
4 Claims. (Cl. 229—15)



1. A shipping container comprising a closed body including top, bottom, and four side walls, a compartmented filler comprising internested longitudinal and transverse partition members, and a pair of straps that abut against one another in a plane transverse of the body and that are secured to the side walls but are free of the filler, said straps being of less height than the side walls, said container and longitudinal partition members of the filler being divisible in the transverse abutting plane of the straps, said straps serving as partition members in the whole container and as handles with which to carry the halves of the container when separated.

2,580,334
STORE WALL FURNITURE
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application October 18, 1948, Serial No. 55,138
12 Claims. (Cl. 312—257)

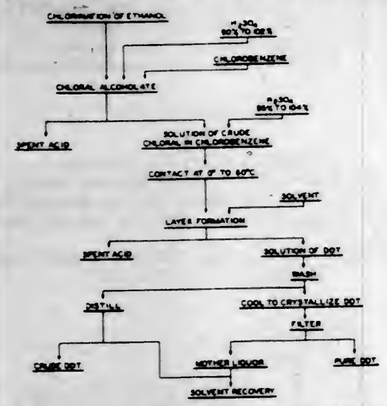


10. In store furniture, a rectangular horizontal base, a vertical back post at each end and at the rear of the base, means for securing the back posts to said base, a horizontal upper bar permanently secured to each back post near the upper end thereof extending therefrom in a forward direction, said horizontal bar having a horizontal channel at its inner side, a top member slidably received in said channels and extending between the channels and resting on the lower flanges thereof, a front rail extending between the front ends of said horizontal bars closing the front ends of the channels therein and means for detachably securing said front rail to said horizontal bars whereby said top member is retained in place.

2,580,335
MANUFACTURE OF DDT
Robert S. Voris, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 8, 1945, Serial No. 571,937
11 Claims. (Cl. 260—649)

1. The process of preparing 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane which comprises the steps of chlorinating ethanol to form chloral alcoholate, contacting a mixture of the chloral alcoholate and chlorobenzene with sulfuric acid of about 60% to about 102% concentration by weight to liberate free chloral, then contacting the solution of chloral in chlorobenzene with sulfuric acid of a concentration of about 95% to about 105% by weight at a temperature of about 0° C. to about 60° C., adding to the reaction mixture a solvent selected from the group consisting of petroleum hydrocarbons, aromatic

hydrocarbons, and chlorinated hydrocarbons, separating the acid layer, washing the solution



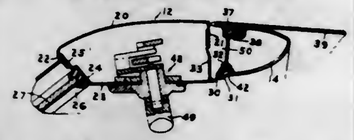
layer to remove the acid, and recovering the 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

2,580,336

HEADER BAR CONSTRUCTION FOR FOLDING TOPS

John W. Votypka, Detroit, Mich., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application November 12, 1948, Serial No. 59,474
3 Claims. (Cl. 296—137)



3. Header bar construction for a vehicle having a folding top, comprising a transversely extending windshield header bar of substantial width and extending rearwardly from the top of said windshield, and a transversely extending movable header bar for a folding top, said header bars being side by side in substantially a common horizontal plane with the opposed faces thereof spaced apart, lock mechanism for said header bars comprising an actuating handle extending downwardly from beneath said windshield header bar and including means for drawing said movable header bar forwardly toward said windshield header bar, one of said header bars having along its lower edge a continuous recess open downwardly and toward the other of said header bars, and means forming with said opposed faces a gutter for drainage of water, including an upwardly inclined flange on the other of said header bars, and a gasket on said flange and engaging said recess to provide a weather-tight seal, said flange having a certain amount of resilience and being operable to maintain said tight seal as said movable header bar is drawn forwardly toward said windshield header bar.

2,580,337

FOLDING TOP STRUCTURE

John Wilfred Votypka, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application January 10, 1949, Serial No. 70,168
2 Claims. (Cl. 296—107)

2. A folding top for convertible motor vehicles, comprising a longiutdinally foldable frame having a series of longitudinally spaced transversely extending members, one of said members being a front header bar and the other of said members being cross-bows, each of said cross-bows having a central generally horizontal portion and downwardly extending end portions, said central portions having tacking material carried thereby, a flexible cover for said frame extending from one end thereof to the other and comprising separate cover sections extending transversely of the frame, each of said cover sections being of a width to span the space between a pair of transversely extending members when the frame is extended, the end portions of adjacent cover sections being disposed in overlapping relation, said end portions being sewed together in surface to surface relation along two spaced transversely extending substantially parallel lines, and fastening elements located between said parallel lines and extending through said overlapping end portions into said tacking material, the uppermost of said cover sections being return bent along a transversely extending line in rear of the rearmost of said parallel lines and extending forwardly of the vehicle to overlie and conceal the fastening elements for said end portions so that the joint between the return bend of the uppermost section and the upper surface of the adjacent section will face rearwardly of the vehicle, the longitudinal edge portions of said sections being free of the downwardly extending end portions of said bows for movement relative thereto during folding movement of said top, the material of said longitudinal edge portions of said sections being foldable and sewed together to provide multiple thickness longitudinally extending stiffening ribs for said top, the portions of said end portions between the parallel lines aforesaid providing transversely extending stiffening ribs operable to prevent ballooning of the longitudinal side edges of said cover sections when said frame is extended.

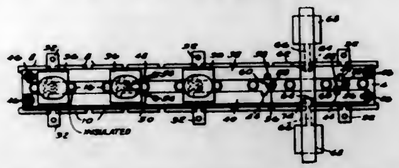


2,580,338

INTERLOCKED SWITCHES

James M. Wallace, East McKeesport, and Paul Silvius, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 7, 1947, Serial No. 778,357
3 Claims. (Cl. 200—5)



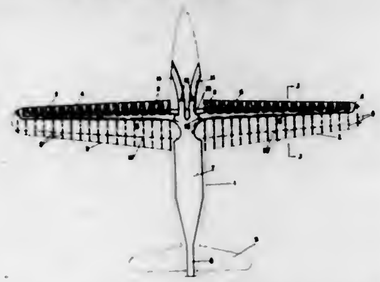
1. A switch assembly, comprising a plurality of switches each having separable contacts and rotatable operating means for said contacts with the operating means having a neutral position and a closed position at each side of said neutral position wherein the switch contacts are closed, a pair of movable interlock members extending in proximity to all of said switches, means on a rotatable portion of each switch positioned when the switches are at neutral position to be engageable with cooperating means on said interlock members in response to rotation of said switches in opposite directions, respectively, for shifting one of said members from one position to another when any one of said switches is rotated in one direction to closed position and for similarly shifting the other of said members when any one of said switches is rotated in the opposite direction to its other closed postion, each of said members when at its other position having means positioned solely in the path of movement of said rotatable switch means to block movement of the other switches in the same direction, but permitting rotation of such other switches in the opposite direction, and releasable means for locking each of said interlock members at one of its aforesaid positions.

2,580,339

BOUNDARY LAYER CONTROL AND INTAKE SYSTEM FOR AIRCRAFT

George A. Woodward, Jr., Miami Springs, Fla.

Application March 19, 1949, Serial No. 82,461
4 Claims. (Cl. 244—15)



1. An air intake system for jet type aircraft including a pair of airfoil wings having a plurality of reinforcing ribs spaced spanwise thereof, comprising in combination with said aircraft, a plurality of forwardly directed intake tubes each positioned intermediate said ribs along the entire span of said wings and terminating at their forward ends in horizontally elongated slots finishing flush with the leading edge of said wings, whereby to permit the intake of air at relatively high pressure from the boundary layer along said wings to reduce drag thereon.

2,580,340

SAFETY PLUG FOR PRESSURE COOKERS

Myron J. Zimmer, Wood Dale, and Edmund L. Duskey, Western Springs, Ill., assignors to Ekco Products Company, Chicago, Ill., a corporation of Illinois

Application October 29, 1947, Serial No. 782,712
11 Claims. (Cl. 220—44)



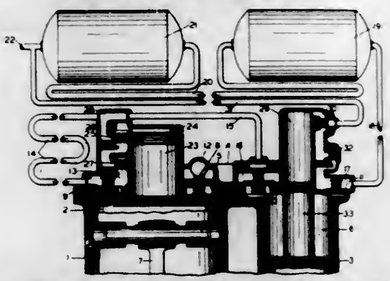
1. A pressure relief plug for a pressure cooker, comprising a resilient disk member adapted to be placed in an aperture in the cover of the cooker and having a peripheral groove adapted to receive the marginal portion of said cover about said aperture, said disk having a central bore, a sleeve secured in said bore, and a fusible member mounted in said sleeve, said disk being adapted to be forced out of said aperture at a predetermined pressure in said cooker and said fusible member being adapted to be softened sufficiently to be forced out of said sleeve at a temperature corresponding to a different predetermined pressure.

2,580,341

FLUID COMPRESSOR AND COOLING APPARATUS THEREFOR

Burton S. Aikman, St. Petersburg, Fla., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application September 29, 1948, Serial No. 51,817
4 Claims. (Cl. 230—208)



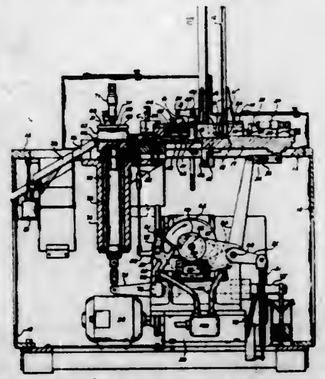
1. Means for reducing the temperature of air in the discharge valve chamber of an air compressor comprising in combination, a discharge valve in said chamber, an air compressing piston for compressing air past said valve into said chamber, air inlet means for said piston, another air compressing piston having an intake and, also having a discharge connection with said chamber, intake and discharge valves in, respectively, said intake and discharge connections, and heat radiating means connecting said intake to said chamber.

2,580,342

GAUGING DEVICE

Willis Fay Aller and David H. McConnell, Dayton, Ohio, assignors to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio

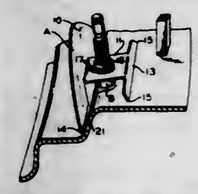
Application July 5, 1947, Serial No. 759,018
7 Claims. (Cl. 209—75)



2. A ring gauging device having a supply station and a gauging station, means at the supply

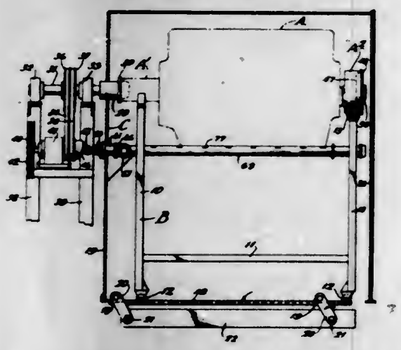
station for holding a stack of rings to be gauged, a reciprocable slide having a ring supporting surface and a feeding shoulder adjacent said surface for moving the lowest ring in the stack while on said surface to the gauging station, gauging means at the gauging station for gauging a physical characteristic of the ring, said slide having a second ring supporting surface parallel to and below the level of the first said surface, a second shoulder on said slide below the level of the feeding shoulder for moving a ring from the gauging station while on said second surface to a transfer station and means operated by said gauging means to control the path of movement of the ring at the transfer station.

2,580,343
VALVE GUARD
Leon J. Benoit, Benson, Minn.
Application May 21, 1949, Serial No. 94,635
5 Claims. (Cl. 152—427)



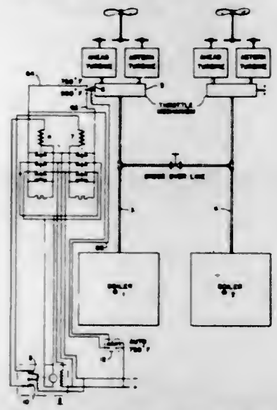
1. A valve guard consisting of a front guard plate, a table portion extending from said front plate intermediate of the top and bottom edges thereof and having a hole for the valve stem formed therein, a rear support portion depending from said table portion, and means for securing a tire valve in said hole with said front plate and said rear support portion resting on the rim of a wheel.

2,580,344
CLEANING APPARATUS FOR LOADING, ROTATING, AND SPRAYING HEAVY WORKPIECES
Norman F. Clayborne, Chicago, Ill.
Application August 10, 1946, Serial No. 689,781
4 Claims. (Cl. 134—157)



3. In combination, a casing providing a treating chamber and a sump therebelow, baffles in the lower portion of said sump, track members supported between said sump and said treating chamber, means for raising and lowering said track members, a pair of rotatably mounted support members in the ends of said chamber adapted to receive the tubular end supports of an object to be treated, spray pipes supported within said chamber, motor means for rotating one of said rotary supports, means responsive to said raising and lowering means operative to stop said motor means when the track members are raised and to start said motor means when said track members are lowered, a supply tank connected by an over-flow to said sump, and means for supplying treating solution from said supply tank to said spray pipes.

2,580,345
VAPOR GENERATING AND CONTROL SYSTEM
Paul S. Dickey, East Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application July 24, 1940, Serial No. 347,192. Divided and this application November 23, 1945, Serial No. 630,489
10 Claims. (Cl. 60—102)



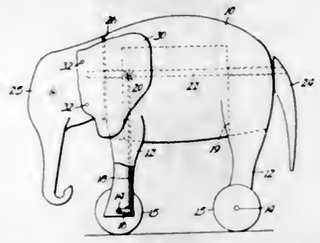
3. A power plant for a ship comprising in combination, a vapor generator, an ahead turbine and an astern turbine, throttle mechanism for admitting vapor from said generator to the turbines, means controlling the temperature of the vapor leaving the vapor generator to a predetermined standard, and means moved by and with the throttle mechanism for varying the standard.

7. In combination, a power plant including a vapor generator, a plurality of vapor consumers requiring vapor at different predetermined temperatures, a throttle mechanism for connecting said generator selectively to said vapor consumers, means including an element positioned with said throttle mechanism for determining temperature standards to be maintained for said consumers, and means responsive to the temperature of the vapor leaving said vapor generator for maintaining the temperature standard determined.

2,580,346
ACTION TOY
Walter P. Doe, Leslie W. Sly, and Herman G. Fisher, East Aurora, N. Y., assignors to Fisher-Price Toys, Inc., East Aurora, N. Y.
Application March 6, 1948, Serial No. 13,297
1 Claim. (Cl. 46—119)

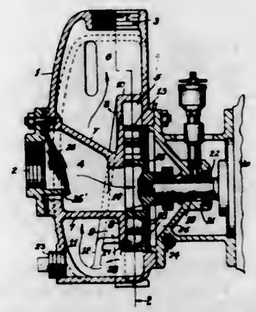
In an action toy, a body member having an end wall portion, an accessory member mounted upon said body to oscillate thereon about an axis

directed substantially normal to said end wall, means to cause said accessory member to oscillate relative to said body member, and a flexible flap member simulating a feature of the figure depicted by the toy, said flap member being fixed to one of said members so as to overlie the junc-



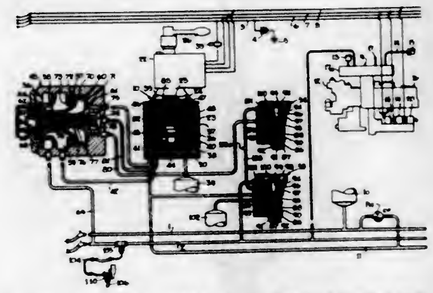
ture between said body member and said accessory member while bearing against said body end wall portion, whereby upon oscillation of said accessory member said flap member is displaced by the changing relationship of said body and flap member and caused to twist and flap.

2,580,347
CENTRIFUGAL PUMP
Gilbert K. Eggleston, Mansfield, Ohio, assignor to Barnes Manufacturing Company, Mansfield, Ohio, a corporation of Ohio
Application October 29, 1946, Serial No. 706,477
1 Claim. (Cl. 103—113)



A self-priming centrifugal pump comprising a pump casing having a liquid separation chamber and an impeller chamber of volute form separated by a wall therebetween, said wall having a peripheral portion and a radial portion with respect to the rotational axis of an impeller in said impeller chamber, an impeller rotatable in the impeller chamber, a liquid inlet passage through said liquid separation chamber and communicating with said impeller chamber, the peripheral and radial portions of said wall extending at one end from a point defining a blade cut-off, said peripheral wall terminating at its other end at a point spaced from said blade cut-off, the radial portion of said wall between said cut-off and said other end of said peripheral wall being relieved radially inwardly thereof to form a priming opening directed radially downwardly in the plane of the radial wall and communicating said impeller chamber directly with the separation chamber.

2,580,348
FLUID PRESSURE BRAKE APPARATUS
Erik G. Erson, Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application February 23, 1950, Serial No. 145,754
5 Claims. (Cl. 303—18)



1. In a fluid pressure brake equipment, in combination, a brake pipe, an operator's brake valve device having one position for supplying fluid under pressure to said brake pipe and a second position for cutting off supply of fluid under pressure to said brake pipe, automatic closing trip valve means for effecting a reduction in pressure in said brake pipe, brake control means controlling communication through which fluid under pressure is supplied to said brake pipe by said brake valve device, means responsive to a reduction in pressure in said brake pipe effected by said trip valve means to effect operation of said brake control means to close said communication, means operative by said brake control means in its communication closing position and cooperative with said brake valve device in its said one position to hold said brake control means in its said communication closing position, and means for effecting movement of said brake control means to open said communication upon movement of said brake valve device to its said second position.

2,580,349
METHOD OF FORMING URANIUM CARBIDE
Ray W. Fisher, Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application February 3, 1947, Serial No. 726,225
3 Claims. (Cl. 23—14.5)

1. A process for producing uranium monocarbide which comprises heating uranium metal in contact with methane in stoichiometric amounts at a temperature about 400° C. and less than 1125° C. wherein the carbon content thus introduced is equal to about 4.8% to the uranium metal content.

2,580,350
ANTENNA MOUNTING
Milton R. Friedberg, Cleveland Heights, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1947, Serial No. 742,637
2 Claims. (Cl. 287—21)

1. In a device of the type described including a base adapted to be mounted on the body of an automotive vehicle, an antenna, and means including a ball member and mating socket member for articulately supporting said antenna on said base; means for locking said members in any

articulated position, one of said members having a recess with a pointed pin fixed therein and projecting therefrom for insertion into the surface of the other of said members upon locking said members in an adjusted position.



2,580,351

CELLULOSE SULFAMYLETHYL ETHER

Vernon R. Grassie, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 22, 1948, Serial No. 66,836

4 Claims. (Cl. 260—231)

4. A water-insoluble sulfamylethyl ether of cellulose containing from about 0.2 to about 0.65 sulfamylethyl group per glucose unit.

2,580,352

PREPARATION OF SULFOETHYL ETHERS OF POLYSACCHARIDES

Vernon R. Grassie, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 31, 1949, Serial No. 84,723

15 Claims. (Cl. 260—231)

15. The process of preparing a sulfoethyl ether of cellulose which comprises heating a suspension of an alkali cellulose in an inert organic solvent with an alkali metal salt of vinyl sulfonic acid to a temperature of from about 65° C. to about 90° C.

2,580,353

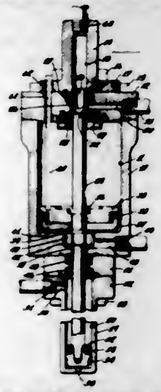
FLUID PRESSURE INTENSIFIER

Nathan Charles Hunt, Salem, Ohio, assignor to C. B. Hunt & Son, Inc., Salem, Ohio, a corporation of Ohio

Application November 8, 1947, Serial No. 784,839

14 Claims. (Cl. 60—54.5)

4. In combination: a pressure intensifier comprising: a cylinder the outlet of which is connectable to a fluid system, and a piston operable in said cylinder; first valve means for admitting fluid from a source to said fluid system; second valve means, for admitting fluid from said source to said intensifier for effecting movement of said piston; other valve means for interrupting fluid flow from said first valve means to said system when said piston is moved to intensify pressure of fluid in said system; and time delay means, for effecting opening operation of said second valve means a predetermined time after the fluid through said first valve means has been in communication with said system.



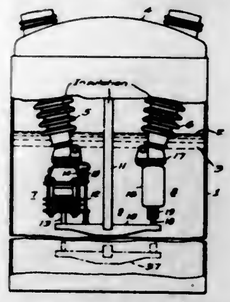
2,580,354

CIRCUIT BREAKER WITH DISCONNECT

Winthrop M. Leeds, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Continuation of application Serial No. 679,087, June 25, 1946. This application July 8, 1949, Serial No. 103,683

18 Claims. (Cl. 200—150)



4. A circuit interrupter of the liquid break type including a tank of arc extinguishing liquid, a pair of terminal bushings extending within the tank, an arc extinguishing unit depending from the interior end of one of the terminal bushings and immersed within the liquid, disconnect means secured to the interior end of the other terminal bushing, a movable contact movable completely out of the arc extinguishing unit in the fully open circuit position of the interrupter, conducting means electrically interconnecting the movable contact and the disconnect means in series in the closed circuit position, an insulating operating rod secured to the conducting means intermediate the ends thereof to cause the actuation thereof, the disconnect means including a pair of movable disconnect contacts, means causing the pair of movable disconnect contacts to move together during the initial portion of the opening operation while the circuit is being opened within the arc extinguishing unit, means effecting the separation of the pair following extinction of the arc within the unit, and means effecting retrieving motion of one of the pair of disconnect contacts in a direction away from the other movable disconnect contact following separation of the pair of movable disconnect contacts.

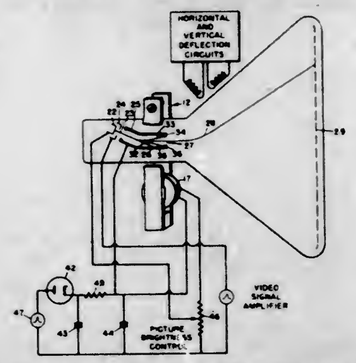
2,580,355

ION TRAP MAGNET

Irving E. Lempert, Maywood, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application October 8, 1949, Serial No. 120,308

5 Claims. (Cl. 315—18)



1. Apparatus of the type described comprising a cathode ray tube having a cathode for emitting electrons, a plurality of electrodes for controlling said electrons, and an ion trap, a source of direct voltage for said electrodes, an electromagnet connected to said source and actuated thereby, said electromagnet being positioned to provide magnetic flux in the space between said electrodes to deflect said electrons away from said trap, and a permanent magnet likewise positioned to provide in said space magnetic flux substantially equal to said flux provided by said electromagnet, each said magnetic flux being transverse to the path of said electrons.

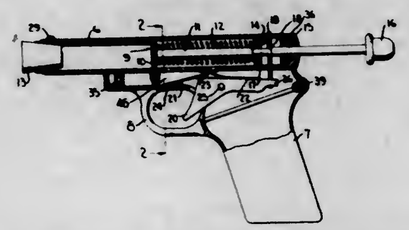
2,580,356

CORK PISTOL

Gayle Martin, Milwaukee, Wis.

Application February 3, 1949, Serial No. 74,445

5 Claims. (Cl. 124—14)



1. A popgun having a compartmented interior comprising the combination with a cylinder barrel, of a handle in integral connection therewith and including laterally spaced walls providing adjacent said barrel a trigger and trigger spring chamber said barrel and chamber having a common dividing wall, pintle means spanning said chamber below the barrel, a trigger pivoted on said pintle means, and a spring in impositive connection with said chamber having a portion engaging a chamber wall remote from the dividing wall, another portion engaging the trigger for the biasing thereof and a bend intermediate its ends engaged with the dividing wall, a plunger reciprocable in the barrel, a spring urging said plunger outwardly in the barrel, a detent for confining said plunger in a position rearwardly of the barrel, and a connection from the trigger to said detent for biasing the detent toward plunger confining position subject to the thrust of said trigger spring.

2,580,357

APPARATUS FOR THE PREPARATION OF METAL HALIDES

Bruce McDuffie, Princeton, N. J., Arthur D. Schelberg, New York, N. Y., and Robert W. Thompson, Minneapolis, Minn., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application January 26, 1944, Serial No. 519,716

2 Claims. (Cl. 23—264)



1. An apparatus for facilitating a chemical reaction between an easily vaporizable solid and a substantially non-volatile solid to form a reaction product of intermediate volatility which comprises at least four intercommunicating chambers, the first of said chambers being provided with an individual heating unit capable of causing the easily vaporizable solid to vaporize, the second of said chambers being provided with a container for holding the substantially non-volatile solid and with an individual heating unit for causing the vapors from the first chamber to react with the non-volatile solid in said second chamber, the third of said chambers being provided with an individual heating unit capable of maintaining a temperature therein at which the reaction product of intermediate volatility condenses while the easily vaporizable solid is maintained in a gaseous state, the fourth of said chambers being provided with surfaces on which the easily vaporizable solid condenses, and a liquid air trap communicating with said fourth chamber for condensing and trapping any vapor escaping from said fourth chamber.

2,580,358

METHOD FOR STORING PERHALOACETYD PEROXIDE AND STABILIZED PERHALOACETYL PEROXIDE

William T. Miller, Ithaca, N. Y., Albert L. Dittman, Jersey City, N. J., and Sherman K. Reed, Lewisburg, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application May 17, 1948, Serial No. 27,614

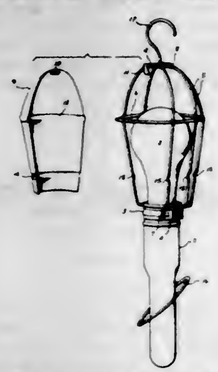
7 Claims. (Cl. 260—610)

1. A method of storing a perhalo acetyl peroxide which comprises dissolving said peroxide immediately after it has been prepared in a solvent which is a perhalomethane, and main-

taining the resulting solution at a sub-zero temperature until said peroxide is to be used.

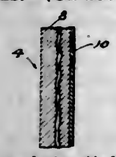
3. A perhalo acetyl peroxide composition of improved stability, said composition comprising a solution of a perhalo acetyl peroxide in a solvent which is a perhalomethane.

2,580,359
PORTABLE ELECTRIC LAMP GUARD PROVIDED WITH A PIVOTED DOOR
Hector E. Moineau, Marlborough, Mass., assignor to Marlboro Wire Goods Company, Marlborough, Mass., a corporation of Massachusetts
Application March 9, 1949, Serial No. 80,365
2 Claims. (Cl. 240—54)



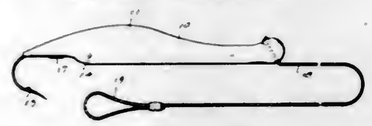
1. A trouble light comprising: a handle having a socket to receive an electric lamp bulb, a wire cage mounted upon the handle and embodying wires extending longitudinally of the axis of the bulb and also a reinforcing ring extending cross-axially around and secured to the several longitudinally extending wires to space them apart and reinforce them, the majority of said longitudinally extending wires being annularly spaced apart a distance appreciably less than the diameter of the bulb but there being a door space left between two adjacent longitudinally extending wires sufficiently great to permit the passage of the lamp bulb therethrough, and a door for normally closing said door space, said door embodying an interiorly concave shield with a pivotal connection to the end of the wire cage remote from the handle and an external channel near its end adjacent the handle, and a retaining ring cross-axially embracing both the wire cage and the shield and detachably engaged with said channel and with the longitudinally extending wires of the cage to normally hold the shield in closed position.

2,580,360
X-RAY SHIELD
Philip Morrison, Pittsburgh, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 31, 1945, Serial No. 575,569
9 Claims. (Cl. 250—108)



1. A shield for substantially preventing the transmission of X-rays, gamma rays and other penetrating radiations, comprising a uranium metal base and a coating of heavy metal on said base, said coating consisting of non-radioactive elements of a density at least equal to that of red lead.

2,580,361
GAFF
George W. Muhm, Portland, Oreg.; Gertrude E. Muhm administratrix of said George W. Muhm, deceased
Application May 9, 1947, Serial No. 747,155
1 Claim. (Cl. 294—26)



A gaff comprising an elongated body having a longitudinal slot in the forward end thereof, a hook, a shank integrally formed with said hook, the free end of said shank pivotally mounted within the slot substantially in the longitudinal center thereof and said hook having its pointed end receivable in the rear of said slot when in retracted position, and a U-shaped latch member mounted in the slot adjacent the forward end thereof for receiving the shank adjacent the hook when the same is in extended position, whereby said shank is fully embraced by said body when the hook is so extended.

2,580,362
POLYVINYL ALCOHOL GELS
Donald E. Sargent, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 22, 1949, Serial No. 72,277
7 Claims. (Cl. 260—29.6)

4. A method of preparing a thermo reversible gel which comprises mixing an aqueous solution of polyvinyl alcohol with an aqueous alkaline solution of a compound selected from the class consisting of 4,4'-diamino-diphenyl- and 4,4'-diamino-stilbene-2,2'-disulfonic and dicarboxylic acids in which the amino groups are acylated by a radical selected from the class consisting of radicals of the formula RCO—, RNHCO—, and R'NHCO—, wherein R is selected from the group consisting of phenyl, halogenphenyl, alkylphenyl, alkoxyphenyl, aminophenyl, alkylaminophenyl, ethanolaminophenyl and acylaminophenyl, and R' is alkyl, and the alkali metal salts of said compounds in a gelling amount at a temperature at which the mixture retains its liquid form, and subsequently lowering the temperature to a point at which the formation of a gel occurs.

2,580,363
ROTOR BLADE CONSTRUCTION
Arthur Schnitt, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application October 23, 1947, Serial No. 781,627
6 Claims. (Cl. 170—159)

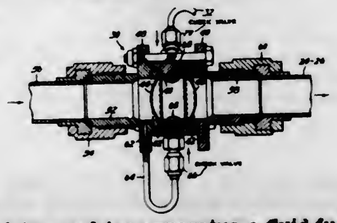


1. A rotor blade comprising a bent metal nose plate, said nose plate being of shallow chordwise extent compared to the overall chordwise extent of the blade adjacent the tip end of said blade and having a chordwise enlarged portion at the root end of said blade to form a hub connection portion, a blade body portion comprising upper and lower surface members arranged in spaced relation substantially throughout the chordal extent thereof, said surface members converging into contiguity at their trailing edge portions, said surface members each comprising spaced metal sheets of relatively light gauge as compared to said nose portion and having light weight filler material cemented therebetween, metal ledge strips mounted on the leading edge portions of said surface members and underlying the corresponding rear edge portions of said nose plate, and readily detachable connecting means extending through the rear edge portions of said nose plate and said ledge strips to releasably lock together said nose plate and said body portion.

2,580,364
PREPARATION OF CRYSTALLINE PENICILLIN SALTS
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 3, 1946, Serial No. 688,242
8 Claims. (Cl. 260—239.1)

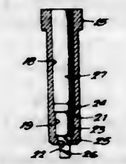
7. In a process for preparing pure, crystalline salts of penicillin consisting of sodium, potassium and ammonium penicillins from aqueous culture liquor concentrates thereof, the steps which comprise adding to such a concentrate a salting-out agent selected from the group consisting of water soluble salts of sodium, potassium and ammonium, the cation of the added salt being the same as that of the penicillin salt in the culture liquid, also adding a hydrophilic organic solvent for said penicillin salts, selected from a group consisting of alcohols, glycols, acetals, ketones, aldehydes, hydroxy ethers, hydroxy esters and cyclic ethers, said solvent being immiscible with the said culture liquor concentrate in the presence of said salting-out agent, adjusting the pH of the mixture to a value within the range of from 5 to 8.5 without introducing an extraneous cation, separating from the aqueous layer thus produced the organic layer containing the salt form of penicillin and concentrating it at a temperature below about 40° C. until the solution is at least substantially saturated with the penicillin salt, and crystallizing a pure penicillin salt therefrom.

2,580,365
CONTROL MEANS FOR JET PROPULSION APPARATUS
Milo R. Simmonds, Niagara Falls, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application November 14, 1947, Serial No. 786,100
4 Claims. (Cl. 137—78)



1. In jet propulsion apparatus, a fluid fuel supply source, a conduit leading from said fuel supply source, a choke control means for said conduit, said choke control means comprising a casing having an upstream rupturable fluid seal member and a downstream rupturable fluid seal member in spaced relation therein and defining therebetween a pressure chamber, opening means interconnecting the upstream side of said upstream seal member and said pressure chamber and including restrictive orifice means permitting low rate fluid flow relative to the upstream seal member into said pressure chamber, said downstream seal member being preselected to operate normally to remain intact against the pressure forces from said source, said upstream seal member being preselected to rupture when subjected to the pressure from said source unbalanced by any substantial pressure within said pressure chamber, and a control pressure supply conduit leading into said pressure chamber for sudden introduction therein of additional pressure great enough to cause said downstream seal member to be overcome and to open, but not so great as to exceed the pressure force from said fuel source sufficiently to rupture said upstream member, whereby substantially the entire upstream pressure will apply against the upstream seal member to open the latter subsequent to opening of said downstream seal.

2,580,366
PUNCH CONSTRUCTION
Jacob A. Smith, Chicago, Ill., assignor of one-half to Claude A. Benjamin, Chicago, Ill.
Application April 28, 1950, Serial No. 158,807
2 Claims. (Cl. 164—124)

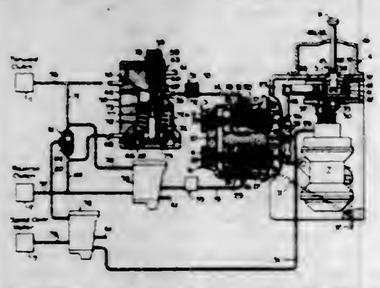


1. A punch construction comprising a tubular quill having three aligned bores of progressively decreasing area joined by internal shoulders, the smallest of said bores being at the outer end of the quill, and being non-circular in section, a punch having a relatively short head fitting in the largest bore, a body fitting in the intermediate bore, a locating section of the same cross section as and fitting into the smallest bore, and a tip of non-circular section projecting from the quill, the head being joined to the body by an external shoulder fitting against one of the internal shoulders, and a back up pin fitting in the largest bore and seating against the head.

2,580,367
CLUTCH AND SPEED CONTROL APPARATUS
Roy R. Stevens, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application December 1, 1948, Serial No. 62,884
13 Claims. (Cl. 192—.098)

1. An apparatus for controlling operation of two individual coupling control means adapted to be operated by fluid only at and exceeding a chosen pressure for connecting a prime mover to drive a load and for also controlling a power control motor adapted to be operated by fluid under pressure for adjusting the speed of said prime mover in proportion to the pressure of such fluid, comprising in combination with said coupling control means and motor, a control de-

vice for selectively supplying fluid under pressure to operate either one of said coupling control means and for at the same time supplying fluid under pressure to operate said power control motor and for releasing fluid under pressure from the other coupling control means, coupling interlock means operable by fluid in one of said coupling control means when in excess of said chosen pressure for closing the fluid pressure supply communication from said control device to the other coupling control means



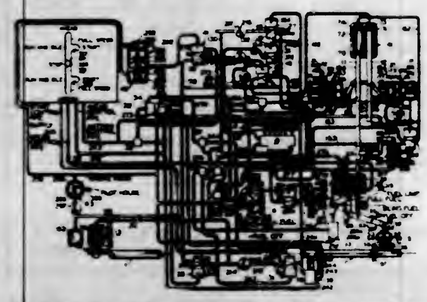
other interlock means responsive to fluid at less than a chosen higher pressure for closing the fluid pressure supply communication from said control device to said power control means and for opening a fluid pressure release communication from said power control means, and means operable by fluid pressure in said two coupling control means to selectively subject said other interlock means to pressure of fluid in the one of said coupling control means which is at the higher pressure.

2,580,368

FLUID PRESSURE REMOTE-CONTROL APPARATUS

Roy R. Stevens, Forest Hills, and Ralph C. Brooks, Turtle Creek, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application December 14, 1948, Serial No. 65,266
15 Claims. (Cl. 192—3)



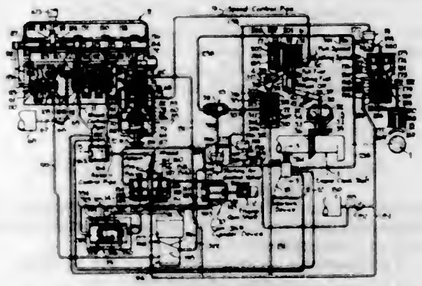
1. Apparatus for controlling the reversing of a reversible internal combustion engine, comprising reversing means operable to effect conditioning of said engine for operation in its reverse direction, fuel cut-off means operable to effect cut off of supply of fuel to said engine, starting means operable to effect starting of said engine, brake means operable to stop said engine, an operator's control device operable to a reverse start position to effect operation of said reversing means, said fuel cut-off means and said brake means, means operable upon stopping of the engine to terminate operation of said brake means and to effect operation of said starting means, and means operable upon starting of said engine in its reverse direction to terminate operation of said fuel cut-off means.

2,580,369

ENGINE CONTROL APPARATUS FOR STARTING, STOPPING, RUNNING, AND REVERSING

Roy R. Stevens, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application January 29, 1949, Serial No. 73,556
18 Claims. (Cl. 192—3)



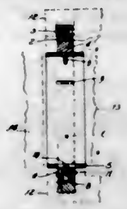
1. Apparatus for controlling reversing, starting and operation of a reversible internal combustion engine comprising reversing means for said engine, fuel control means for said engine, starting means for said engine, an operator's control device having forward and reverse positions, means responsive to movement of said control device from either one of said positions to the other to effect operation of said reversing means to condition said engine for operation in the reverse direction and for also effecting operation of said fuel control means to a fuel cut-off position, means responsive to termination of operation of said reversing means to effect operation of said starting means, mechanism responsive to operation of the last named means to detect direction of operation of said engine and operative in response to operation in the direction corresponding to the position of said control device to effect operation of said fuel control means to a fuel supply position, and means responsive to operation of said engine on fuel to terminate operation of said starting means.

2,580,370

JOURNAL BOX GUARD

Carl Vincent, Chicago, Ill., assignor of one-fourth to Philip Pinsof, Chicago, Ill.

Application March 1, 1948, Serial No. 12,271
1 Claim. (Cl. 286—6)



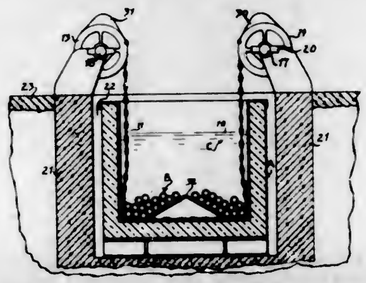
A dust guard for a journal box having an axle extending therethrough and provided with an internal annular recess for accommodation of the guard, said dust guard comprising a cylindrical sleeve of a width substantially greater than said annular recess, means fixedly securing said sleeve on said axle in a position of approximate radial alignment with said recess, a ring member surrounding said sleeve and axially slidable thereon and fitted closely therearound in substantial sealing relationship with respect thereto, there being a plurality of axially extending straightsided slots formed in said sleeve member at circumferentially spaced points therearound, there being a plurality of circumferentially spaced radially extending bores formed in said ring member in register with said slots, a self-contained plunger assembly disposed in each bore and including a spring-pressed plunger proper having an end projecting into one of said slots, said end of the plunger being formed with straight sides bearing against the sides of said slot for preventing circumferential turning movement of the ring member with respect to the sleeve and presenting rounded ends permitting forced removal of the ring member axially from the sleeve, an outwardly extending annular, radially disposed peripheral flange formed on said ring member centrally thereof, a two-piece separable retaining frame of ring-like configuration disposed within the recess of said journal box and including a body portion and a face plate, and means removably securing said face plate to said body portion, said face plate and said body portion forming therebetween an internal annular recess into which said radially extending flange extends and in which it is rotatably confined.

2,580,371

METHOD OF AND APPARATUS FOR PICKLING TUBES

Charles G. Watson, Youngstown, Ohio, assignor to The Youngstown Welding & Engineering Company, Youngstown, Ohio, a corporation of Ohio

Application August 4, 1948, Serial No. 42,367
7 Claims. (Cl. 51—163)



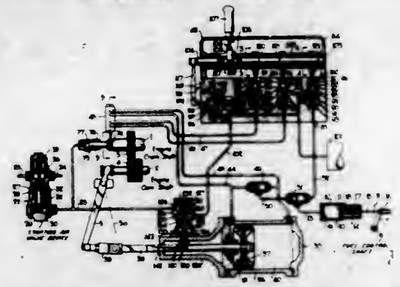
1. In a tube pickling apparatus including a tank containing a pickling bath, the combination of a pair of slings spaced from one another and adapted to raise and lower a bundle of tubes into and out of the pickling bath, powder means to raise and lower said slings, said means including two members supporting the respective slings and movable to raise said slings through a given distance at a given rate whereby the tubes in the slings are raised from the bath substantially horizontally, and a sling elevating means associated with one of said members and having a sling elevating movement appreciably greater than that of said members and operative after a predetermined upward movement of said slings by said members to substantially instantaneously greatly increase the rate of upward movement of one of said slings whereby the tubes carried in said slings are suddenly tilted endwise to cause the liquid therein to surge to one end of the tubes and flush scale and like matter therefrom.

2,580,372

CONTROL APPARATUS

Ralph T. Whitney, Irwin, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application May 30, 1945, Serial No. 596,765
8 Claims. (Cl. 123—41)



1. In fuel control apparatus for a reversible engine having a part rotatable in the direction of operation of said engine, the combination with reversing means operable to condition said engine for operation either in one direction or in the opposite direction, starting means operable to initiate turning of said engine, fuel control means operable to either cut off the supply of fuel to said engine or to permit supply of fuel to said engine, and operator's control means operable to effect operation of said reversing means, said starting means and of said fuel control means to cut off the supply of fuel to said engine, of control means cooperative with said operator's control device to effect operation of said fuel control means to cut off the supply of fuel to said engine upon operation of said operator's control device to effect operation of said reversing means, and means adapted to cooperate with said rotatable part of said engine upon starting of said engine in a direction determined by said reversing means to operate said control means to effect operation of said fuel control means to permit supply of fuel to said engine.

2,580,373

PROCESS FOR PREPARING PERHALO-ACETYL PEROXIDE

Charles Zimmerman, Brooklyn, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application May 17, 1948, Serial No. 27,612
3 Claims. (Cl. 260—610)

1. The method of making a perhalo-acetyl peroxide which comprises dissolving a peroxide selected from the group consisting of alkali metal and alkaline earth metal peroxides in an aqueous brine solution, cooling said brine solution to a temperature between its freezing point and 0° C., and adding to said solution a perhalo derivative of acetic acid while maintaining said solution at a temperature below 0° C. and above its freezing point to form said perhalo-acetyl peroxide.

2,580,374

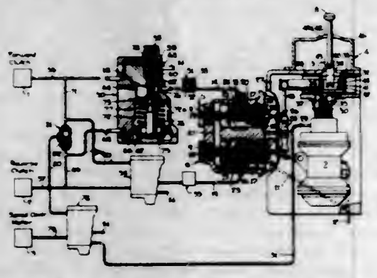
METHOD OF PRODUCING CLAD PLATE

Otis Richard Carpenter, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application October 4, 1947, Serial No. 777,973
3 Claims. (Cl. 219—10)

1. In the production of clad plate in which a cladding sheet of corrosion-resistant alloy is sur-

vice for selectively supplying fluid under pressure to operate either one of said coupling control means and for at the same time supplying fluid under pressure to operate said power control motor and for releasing fluid under pressure from the other coupling control means, coupling interlock means operable by fluid in one of said coupling control means when in excess of said chosen pressure for closing the fluid pressure supply communication from said control device to the other coupling control means



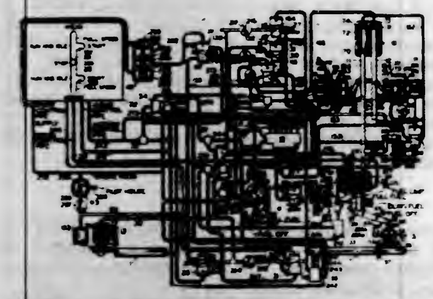
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2,580,368

FLUID PRESSURE REMOTE-CONTROL APPARATUS

Roy R. Stevens, Forest Hills, and Ralph C. Brooks, Turtle Creek, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application December 14, 1948, Serial No. 65,266
15 Claims. (Cl. 192—3)



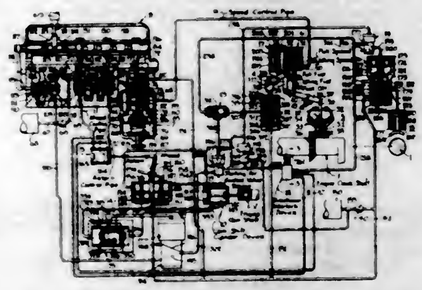
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2,580,369

ENGINE CONTROL APPARATUS FOR STARTING, STOPPING, RUNNING, AND REVERSING

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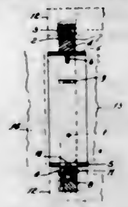
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2,580,370

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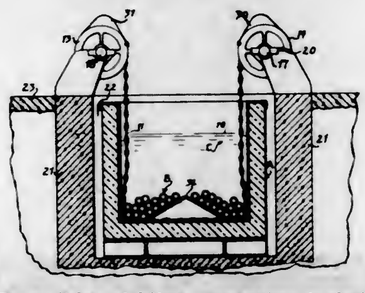
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2,580,371

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Application August 4, 1948, Serial No. 42,367
7 Claims. (Cl. 51—163)



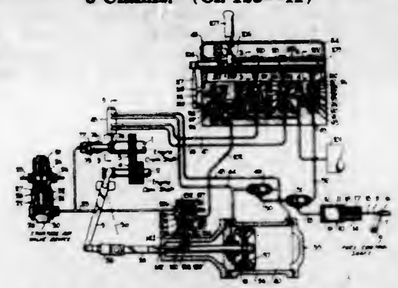
1. In a tube pickling apparatus including a tank containing a pickling bath, the combination of a pair of slings spaced from one another and adapted to raise and lower a bundle of tubes into and out of the pickling bath, powder means to raise and lower said slings, said means including two members supporting the respective slings and movable to raise said slings through a given distance at a given rate whereby the tubes in the slings are raised from the bath substantially horizontally, and a sling elevating means associated with one of said members and having a sling elevating movement appreciably greater than that of said members and operative after a predetermined upward movement of said slings by said members to substantially instantaneously greatly increase the rate of upward movement of one of said slings whereby the tubes carried in said slings are suddenly tilted endwise to cause the liquid therein to surge to one end of the tubes and flush scale and like matter therefrom.

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CONTROL APPARATUS

Ralph T. Whitney, Irwin, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application May 30, 1945, Serial No. 596,765
8 Claims. (Cl. 123—41)



1. In fuel control apparatus for a reversible engine having a part rotatable in the direction of operation of said engine, the combination with reversing means operable to condition said engine for operation either in one direction or in the opposite direction, starting means operable to initiate turning of said engine, fuel control means operable to either cut off the supply of fuel to said engine or to permit supply of fuel to said engine, and operator's control means operable to effect operation of said reversing means, said starting means and of said fuel control means to cut off the supply of fuel to said engine, of control means cooperative with said operator's control device to effect operation of said fuel control means to cut off the supply of fuel to said engine upon operation of said operator's control device to effect operation of said reversing means, and means adapted to cooperate with said rotatable part of said engine upon starting of said engine in a direction determined by said reversing means to operate said control means to effect operation of said fuel control means to permit supply of fuel to said engine.

2,580,373

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2,580,374

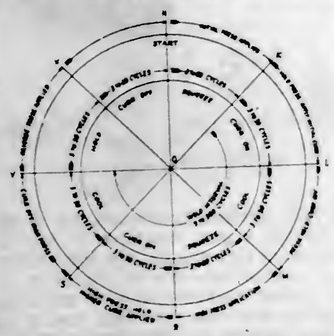
METHOD OF PRODUCING CLAD PLATE

Otis Richard Carpenter, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application October 4, 1947, Serial No. 777,973
3 Claims. (Cl. 219—10)

1. In the production of clad plate in which a cladding sheet of corrosion-resistant alloy is sur-

face bonded to a much thicker metallic base plate; bonding the clad sheet to the base plate by a plurality of successively formed parallel rows of overlapping resistance welds; the initial step of said bonding including the application of an initial electric current pulse and an initial electrode pressure, the latter being sufficiently high to reduce the electrical surface contact resistance between the sheet and the plate to a value such that the initial pulse will not deleteriously affect the surface of the sheet; interposing a cooling period of a few cycles after the discontinuance of current flow; applying and maintaining a higher electrode pressure; while maintaining such higher electrode pressure, applying a higher value current flow to complete the welding of the sheet and plate at the zone of the initial step; repeating the above series of operations in successively overlapping weld zones to ultimately form a row of welds across the clad plate assembly; and similarly forming similar and closely spaced rows of welds at successive positions.



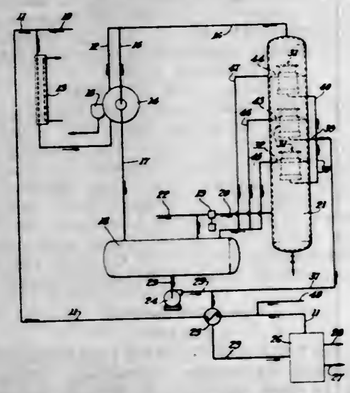
2,580,375

FLUE GAS CHILLING

Hyman R. Davis, Jackson Heights, and Robert M. Santanielle, Brooklyn, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware

Application June 3, 1950, Serial No. 165,914

3 Claims. (Cl. 196—19)



1. In the process of separating wax from a chilled mixture of wax, oil, and solvent by filtration of said mixture in an atmosphere of chilled flue gas to produce a separated wax and a filtrate containing said flue gas, wherein said flue-gas is separated from said filtrate in a gas-liquid separating operation, and wherein make-up gas is introduced to said separated flue gas thereby forming a combined gas, the improved method of cooling and drying said combined gas in a multi-stage gas-liquid contacting operation which comprises forming in each of said stages a vortical path of said combined gas in a restricted zone in said stage, withdrawing liquid from said gas-liquid separating operation, dividing said liquid into a plurality of streams corresponding to said plurality of stages, directing each of said streams to the initial part of said vortical path in each of said stages, maintaining said liquid and said combined gas in said vortical path whereby said gas is cooled and dried, releasing said liquid from said gas upon discharge from said vortical path, withdrawing said dried and cooled gas from said vortical path, and passing said last-mentioned gas to subsequent stages wherein said gas is contacted with fresh feed in a manner similar to that in said first stage, said gas passing through said plurality of stages in series whereas said liquid passes therethrough in parallel, whereby said cooling operation is effected with a high efficiency and a low total pressure drop through said plurality of stages.

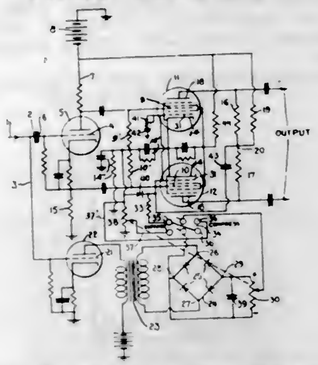
2,580,376

AUDIO SIGNAL MODIFYING APPARATUS

Robert C. Mosca, Swampscott, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application May 9, 1946, Serial No. 668,416

4 Claims. (Cl. 178—44)



3. An amplifier having variable amplitude-response characteristics, said amplifier comprising signal supply means, a tube coupled to said means and having a variable-mu grid, means coupled to said supply means and including a rectifier connected to said grid for applying positive dynamic bias, static negative bias means connected to said dynamic bias means in series-opposition, and a diode connected between the extremities of said series-opposition bias means and polarized so as to be substantially conductive only when the dynamic bias tends to become more positive than said static negative means.

2,580,377

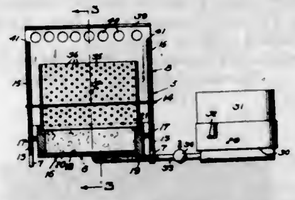
CURLING IRON AND PRESSING COMB HEATER

Winfred M. Patton, Chicago, Ill.

Application April 12, 1946, Serial No. 661,810

2 Claims. (Cl. 126—229)

1. A curling iron and pressing comb heater comprising an upright burner casing of elongated rectangular shape in cross section, said burner casing tapering in width uniformly from the bottom to the top thereof and including a base section and a chimney, said chimney resting on and being supported by and directly connected to the base section, said burner casing being open at its top and bottom, the open top of the burner casing forming a support for an article to be heated, supporting legs forming depending extensions of the lower end of the



burner casing for supporting the open bottom in an elevated position, and a fuel and wick holder disposed in and supported entirely by the base section in spaced relationship to the walls of the base section whereby said burner casing provides an uninterrupted air passage around the fuel and wick holder from its open bottom to its open top and the chimney provides a flue passage between the fuel and wick holder and the open top of the burner casing.

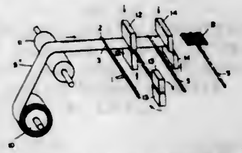
2,580,378

BRUSH MANUFACTURE

Ruben O. Peterson, University Heights, and Vernon K. Charvat, Lakewood, Ohio, assignors to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 6, 1945, Serial No. 609,280

23 Claims. (Cl. 300—21)



1. In the manufacture of brushes of the twisted stem type, the steps which include doubling transversely of a layer of brush material, at spaced intervals therealong, a series of elongated stem forming members, whereby portions of the latter are brought into contact with opposite sides of such layer, the point of doubling being adjacent one edge of the latter, subjecting the layer contacting portions of said members to externally imposed transverse pressure, whereby such layer will be compacted and remain firmly held between such portions by the compressive action thereof, and then subsequently transversely severing such layer between successive members.

DESIGNS

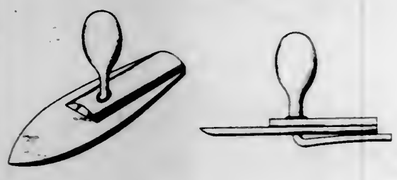
DECEMBER 25, 1951

165,502
COMBINATION HAT AND CLOTHES RACK
George W. Barlow, Aberdeen, Wash.
Application July 5, 1950, Serial No. 10,960
Term of patent 7 years
(Cl. D33—8)



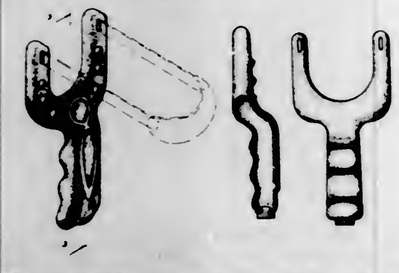
The ornamental design for a combination hat and clothes rack, substantially as shown.

165,503
TOY JET PROPELLED BOAT
Nino Barsotti, Pittsburgh, Pa.
Application July 26, 1949, Serial No. 4,140
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy jet propelled boat, substantially as shown.

165,504
SLINGSHOT
Julian B. Bell, Los Angeles, Calif.
Application June 6, 1951, Serial No. 15,440
Term of patent 14 years
(Cl. D34—15)



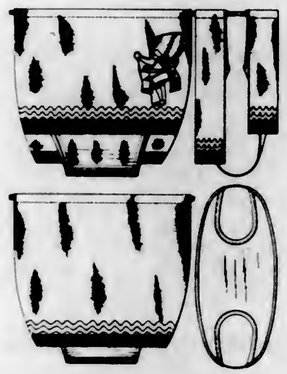
The ornamental design for a slingshot, as shown and described.

165,505
FABRIC OR THE LIKE
Simon Bochner, Yonkers, N. Y., assignor to Covington Fabrics Corporation, New York, N. Y., a corporation of New York
Application September 6, 1951, Serial No. 16,545
Term of patent 3½ years
(Cl. D92—1)



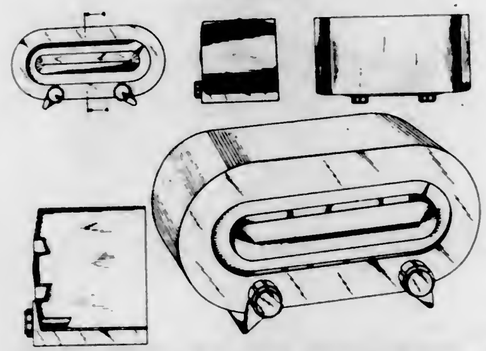
The ornamental design for a fabric or the like, as shown and described.

165,506
ONE-PIECE SUN SUIT
Bernice A. Brenner, Hollywood, Fla.
Application April 13, 1951, Serial No. 14,830
Term of patent 7 years
(Cl. D3—17)



The ornamental design for a one-piece sun suit, as shown.

165,507
RADIO CABINET
Robert Davol Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application December 6, 1950, Serial No. 13,297
Term of patent 7 years
(Cl. D56—4)



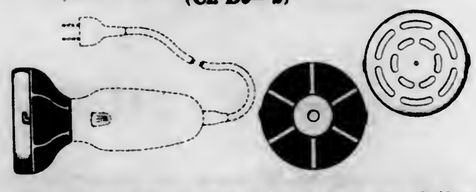
The ornamental design for a radio cabinet, as shown and described.

165,508
RADIO CABINET
Robert D. Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application August 17, 1951, Serial No. 16,322
Term of patent 7 years
(Cl. D56—4)



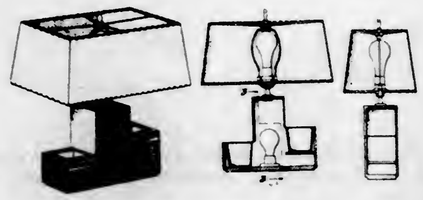
The ornamental design for a radio cabinet, substantially as shown an described.

165,509
VACUUM CLOTHES CLEANER
Elizabeth C. Calvin, Leawood, Kans.
Application April 12, 1950, Serial No. 9,152
Term of patent 14 years
(Cl. D9—2)



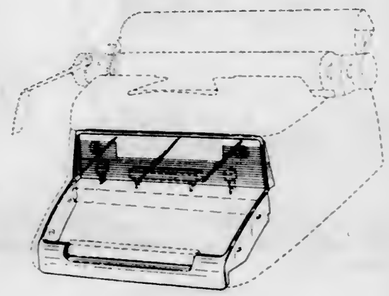
The ornamental design for a vacuum clothes cleaner, substantially as shown and described.

165,510
COMBINATION LAMP AND PLANT HOLDER
Lawrence J. Cianciolo, Milwaukee, Wis.
Application July 31, 1951, Serial No. 16,095
Term of patent 3½ years
(Cl. D48—20)



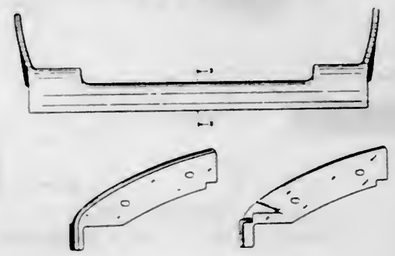
The ornamental design for a combination lamp and plant holder, as shown.

165,511
TYPEWRITING MACHINE
Theodore G. Clement, Rochester, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application July 21, 1951, Serial No. 15,981
Term of patent 14 years
(Cl. D64—11)



The ornamental design for a typewriting machine, substantially as shown and described.

165,512
KEYBOARD GUARD FOR A TYPEWRITING MACHINE
Theodore G. Clement, Rochester, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application July 21, 1951, Serial No. 15,982
Term of patent 14 years
(Cl. D64—11)

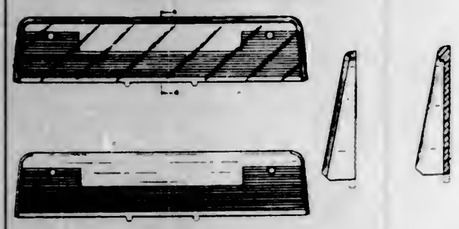


165,512—Continued



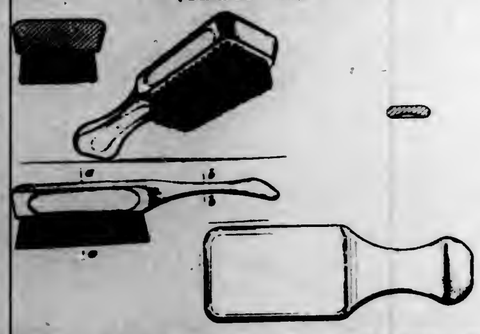
The ornamental design for a keyboard guard for a typewriting machine, substantially as shown.

165,513
FRONT PLATE FOR A TYPEWRITING MACHINE
Theodore G. Clement, Rochester, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application July 21, 1951, Serial No. 15,983
Term of patent 14 years
(Cl. D64—11)



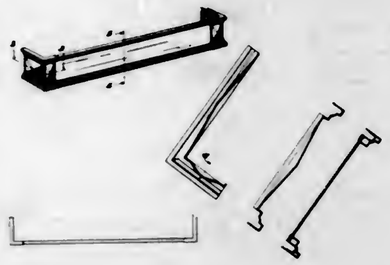
The ornamental design for a front plate for a typewriting machine, substantially as shown and described.

165,514
HAIRBRUSH
Eric Leopold Hugo Cosby, London, England, assignor to G. B. Kent & Sons Limited, London, England, a corporation of England
Application March 27, 1951, Serial No. 14,645
In Great Britain October 5, 1950
Term of patent 14 years
(Cl. D86—10)



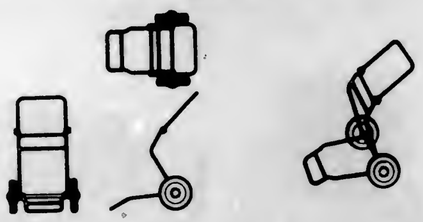
The ornamental design for a hairbrush, as shown.

165,515
WINDOW VALANCE
George E. Eckert, Fort Atkinson, Wis., assignor to Moe Light, Inc., Fort Atkinson, Wis., a corporation of Wisconsin
Application September 15, 1950, Serial No. 12,196
Term of patent 14 years
(Cl. D21—6)



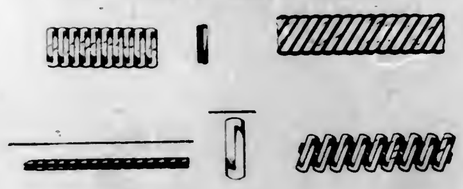
The ornamental design for a window valance, as shown and described.

165,516
WHEELED CARRIER
Henry B. Eging, Shaker Heights, Ohio
Application July 20, 1951, Serial No. 15,972
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a wheeled carrier, as shown.

165,517
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil E. Fachon, Edgewood, R. I., assignor to Bulova Watch Company, New York, N. Y., a corporation of New York
Application May 8, 1951, Serial No. 15,103
Term of patent 3½ years
(Cl. D45—4)



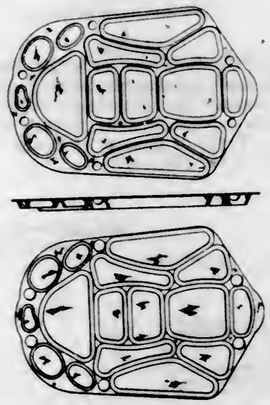
The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

165,518
DEODORANT HOLDER OR THE LIKE
Milton Fink, Newgarden Hills, N. Y.
Application March 31, 1950, Serial No. 8,896
Term of patent 14 years
(Cl. D58—24)



The ornamental design for a deodorant holder or the like, as shown.

165,519
TRAY
George A. Francis, Baldwin Park, Calif.
Application August 4, 1951, Serial No. 16,155
Term of patent 7 years
(Cl. D44—10)



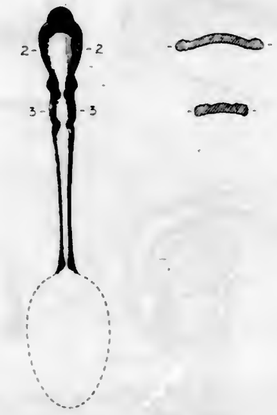
The ornamental design for a tray, substantially as shown.

165,520
BROOCH OR SIMILAR ARTICLE
Carl F. Gierke, Indianapolis, Ind., assignor to Grand Chapter of Indiana, Order Eastern Star, Indianapolis, Ind., a corporation of Indiana
Application July 12, 1951, Serial No. 15,849
Term of patent 14 years
(Cl. D29—2)



The ornamental design for a brooch or similar article, substantially as shown.

165,521
SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application January 16, 1951, Serial No. 13,830
Term of patent 14 years
(Cl. D54—12)



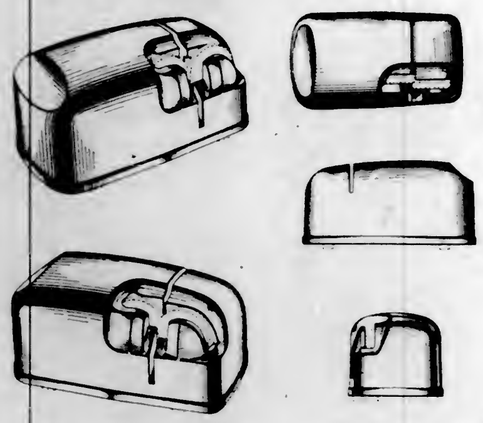
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

165,522
PLATE OR SIMILAR ARTICLE
George J. Higginson, Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, Stoke-on-Trent, England, a British company
Application August 7, 1951, Serial No. 16,201
Term of patent 14 years
(Cl. D44—15)



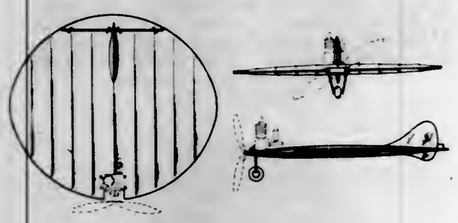
The ornamental design for a plate or similar article, as shown.

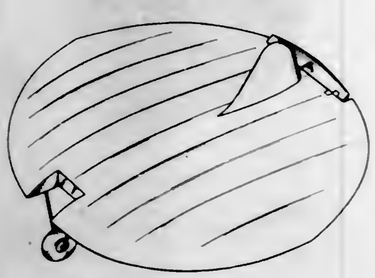
165,523
KNIFE SHARPENER
Alfonso Iannelli, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application February 23, 1951, Serial No. 14,305
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a knife sharpener, as shown and described.

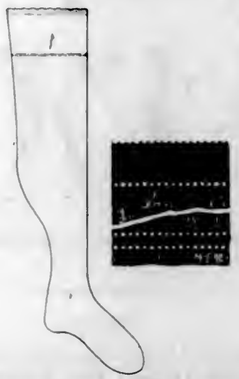
165,524
MODEL AIRPLANE
Letcher F. Johnson, Opelika, Ala.
Application June 20, 1949, Serial No. 3,416
Term of patent 14 years
(Cl. D34—15)





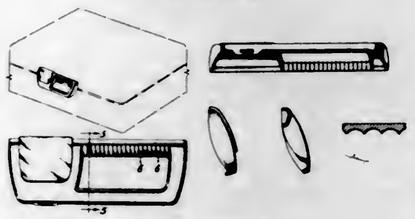
The ornamental design for a model airplane, as shown and described.

165,525
LACE TOP STOCKING
Max Junghans, Boonton, N. J., assignor to Van Raalte Company, Inc., New York, N. Y., a corporation of New York
Application June 13, 1951, Serial No. 15,526
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lace top stocking, substantially as shown and described.

165,526
HANDLE FOR REFRIGERATED CABINETS
Clare H. Kafer, Palmyra, Mich., assignor to Revco, Inc., Deerfield, Mich.
Application June 30, 1951, Serial No. 15,730
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a handle for refrigerated cabinets, as shown and described.

165,527
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1951, Serial No. 16,121
Term of patent 7 years
(Cl. D45—19)



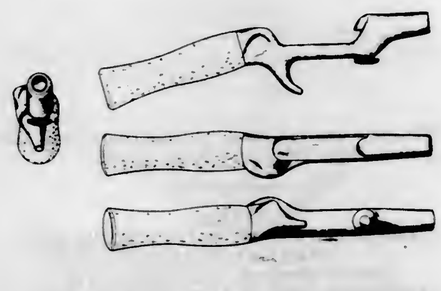
The ornamental design for a brooch or the like, substantially as shown.

165,528
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1951, Serial No. 16,312
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,529
FISHING ROD HANDLE
Donald M. Kitterman, Kansas City, Kans.
Application February 19, 1951, Serial No. 14,266
Term of patent 14 years
(Cl. D31—4)



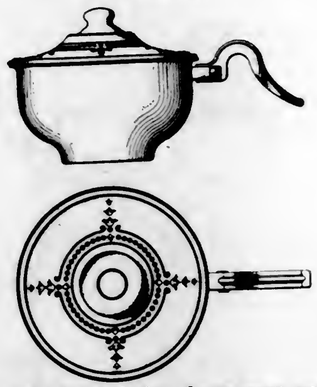
The ornamental design for a fishing rod handle, as shown.

165,530
CHRISTMAS TREE STAND
John P. Lasecki, Milwaukee, Wis.
Application April 24, 1951, Serial No. 14,940
Term of patent 14 years
(Cl. D35—3)



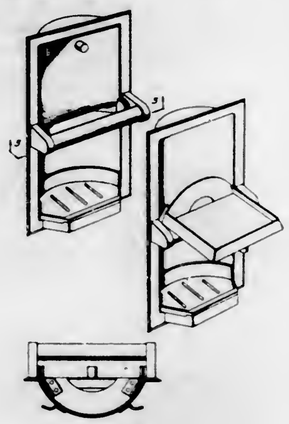
The ornamental design for a Christmas tree stand, substantially as shown.

165,531
CORN POPPER
Harry J. Lebherz, Frederick, Md., assignor to The Everedy Company, Frederick, Md., a corporation of Maryland
Application August 10, 1950, Serial No. 11,706
Term of patent 14 years
(Cl. D44—1)



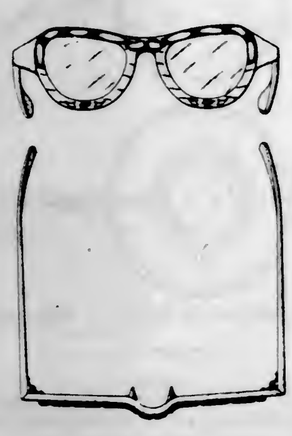
The ornamental design for a corn popper, as shown.

165,532
COMBINED SOAP DISH, GRAB BAR, AND COLLAPSIBLE SHELF FOR SHOWER STALLS
George J. Lind, Balboa, Calif.
Application August 13, 1951, Serial No. 16,249
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a combined soap dish, grab bar, and collapsible shelf for shower stalls, as shown.

165,533
SUN GLASSES
Bert J. Lowres, East Orange, N. J.
Application September 19, 1951, Serial No. 16,681
Term of patent 3½ years
(Cl. D57—1)



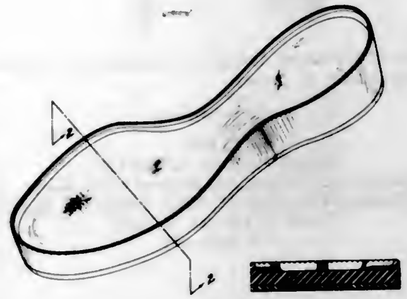
The ornamental design for sun glasses, as shown.

165,534
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application November 30, 1950, Serial No. 13,218
Term of patent 14 years
(Cl. D14—30)



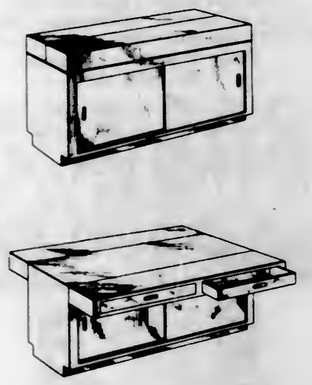
The ornamental design for a wheel cover or similar article, substantially as shown and described.

165,535
COMBINED SOLE AND HEEL UNIT FOR FOOTWEAR
Warren MacPherson, Cambridge, Mass.
Application August 11, 1949, Serial No. 4,421
Term of patent 14 years
(Cl. D7—5)



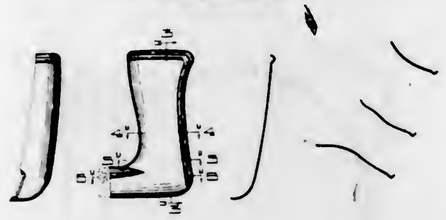
The ornamental design for a combined sole and heel unit for footwear, as shown.

165,536
COMBINATION KITCHEN CABINET AND BREAKFAST TABLE
Oren B. Marshall, Kansas City, Mo.
Application April 10, 1950, Serial No. 9,101
Term of patent 14 years
(Cl. D33—19)



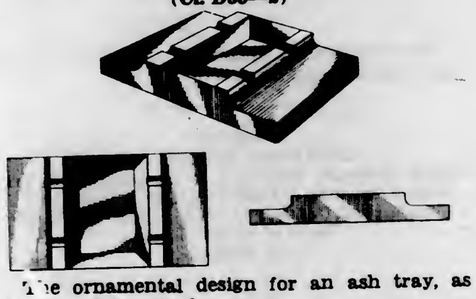
The ornamental design for a combination kitchen cabinet and breakfast table, as shown and described.

165,537
AUTOMOBILE STONE SHIELD
Thomas L. Martin, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 7, 1951, Serial No. 16,187
Term of patent 7 years
(Cl. D14—6)



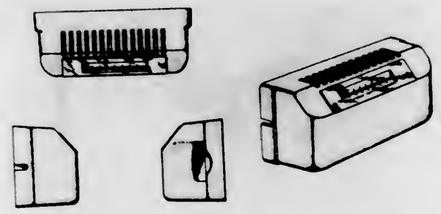
The ornamental design for an automobile stone shield, substantially as shown and described.

165,538
ASH TRAY
Jasper A. Moore, Houston, Tex.
Application October 5, 1950, Serial No. 12,467
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown and described.

165,539
THERMOSTAT CASING
Carlos B. Morgan, Goshen, Ind., assignor to Penn Controls, Inc., a corporation of Indiana
Application March 3, 1951, Serial No. 14,371
Term of patent 14 years
(Cl. D52—7)



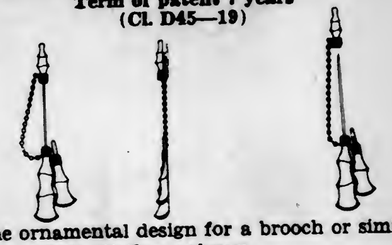
The ornamental design for a thermostat casing, substantially as shown.

165,540
PURSE
Bob Neal, Hot Springs, Ark.
Application June 1, 1951, Serial No. 15,374
Term of patent 7 years
(Cl. D87—3)



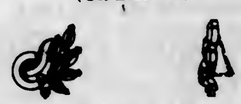
The ornamental design for a purse, as shown.

165,541
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 9, 1951, Serial No. 15,802
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,542
EARRING OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,973
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

165,543
EARRING OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,974
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

165,544
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,975
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,545
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,976
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,546
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,977
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,547
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,978
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown.

165,548
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,979
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,549
BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 17, 1951, Serial No. 16,980
Term of patent 7 years
(Cl. D45—4)



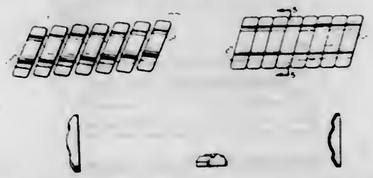
The ornamental design for a bracelet or the like, substantially as shown.

165,550
ELECTRIC TYPEWRITER
Lawrence Richard Prouty, New York, N. Y.
Application September 3, 1947, Serial No. 141,190
Term of patent 3½ years
(Cl. D64—11)



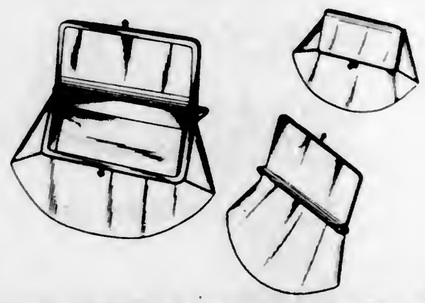
The ornamental design for an electric typewriter, as shown.

165,551
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application October 14, 1950, Serial No. 12,573
Term of patent 7 years
(Cl. D45—4)



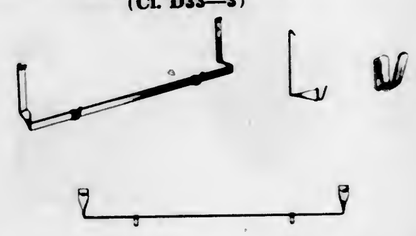
The ornamental design for an expansible link chain for a bracelet or the like, as shown.

165,552
HANDBAG
Lilly Kertesz Rotkel, New York, N. Y.
Application September 14, 1951, Serial No. 16,637
Term of patent 3½ years
(Cl. D87—3)



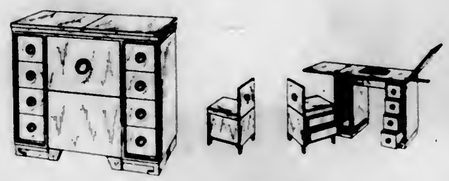
The ornamental design for a handbag, substantially as shown.

165,553
RACK OR SIMILAR ARTICLE
Samuel Schoor, Newark, N. J., assignor, by mesne assignments, to Copper Clad Products, Inc., Newark, N. J., a corporation of New Jersey
Application April 27, 1949, Serial No. 2,308
Term of patent 14 years
(Cl. D33—3)



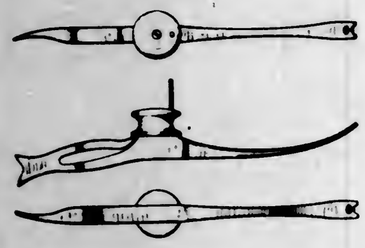
The ornamental design for a rack or similar article, as shown and described.

165,554
COMBINED SEWING MACHINE CABINET AND CHAIR THEREFOR
Adolph Schukat, Chicago, Ill.
Application December 16, 1950, Serial No. 13,455
Term of patent 14 years
(Cl. D33—12)



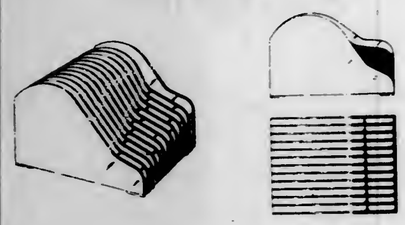
The ornamental design for a combined sewing machine cabinet and chair therefor, substantially as shown and described.

165,555
COMBINED FISHING ROD AND REEL
Arthur C. Shafer, Cincinnati, Ohio
Application January 6, 1949, Serial No. 81
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a combined fishing rod and reel, as shown.

165,556
CARD SHUFFLING AID
Charles L. Shedd, Girardville, Pa.
Application November 29, 1950, Serial No. 13,177
Term of patent 14 years
(Cl. D34—13)



The ornamental design for a card shuffling aid, as shown and described.

165,557
CALCULATING MACHINE
Joseph C. Sinel, San Francisco, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application February 12, 1949, Serial No. 819
Term of patent 14 years
(Cl. D64—11)



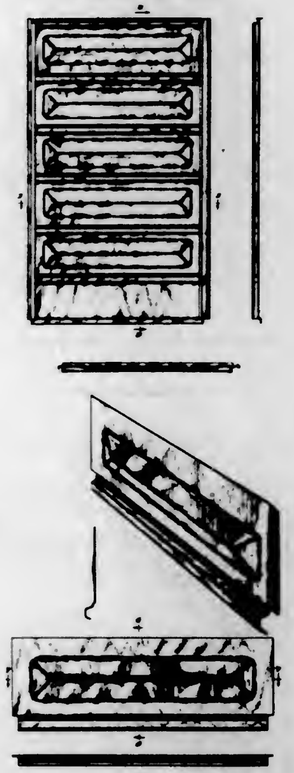
The ornamental design for a calculating machine, as shown and described.

165,558
FINGER RING
Vincent Sorrentino, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application August 24, 1951, Serial No. 16,423
Term of patent 14 years
(Cl. D45—10)



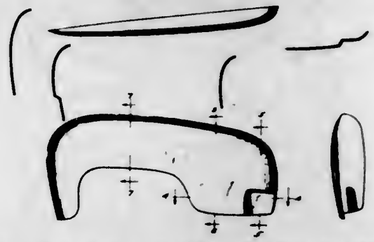
The ornamental design for a finger ring, substantially as shown.

165,559
VEHICLE DOOR PANEL OR SIMILAR ARTICLE
John H. Spence, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 17, 1951, Serial No. 14,526
Term of patent 14 years
(Cl. D66—2)



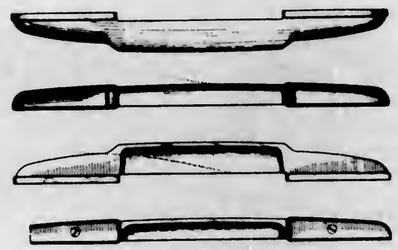
The ornamental design for a vehicle door panel or similar article, substantially as shown.

165,560
AUTOMOBILE FENDER
Frank Stanley, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 13, 1949, Serial No. 4,481
Term of patent 7 years
(Cl. D14—6)



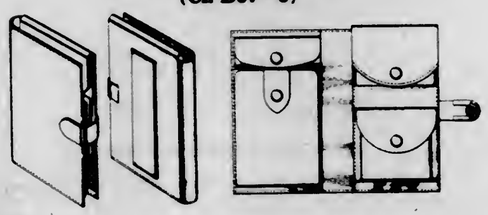
The ornamental design for an automobile fender, substantially as shown.

165,561
OVEN DOOR HANDLE
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application April 28, 1950, Serial No. 9,535
Term of patent 7 years
(Cl. D81—25)

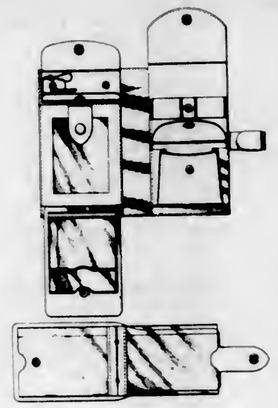


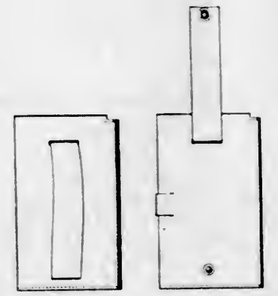
The ornamental design for an oven door handle, substantially as shown.

165,562
UTILITY PURSE
Harry I. Thomas, Hagerstown, Md., assignor to The Hagerstown Leather Company, Hagerstown, Md., a corporation of Maryland
Application September 4, 1951, Serial No. 16,495
Term of patent 7 years
(Cl. D87—3)



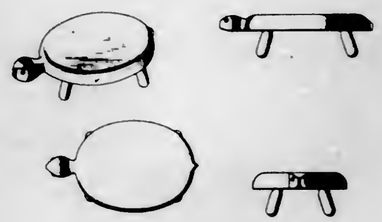
165,562—Continued





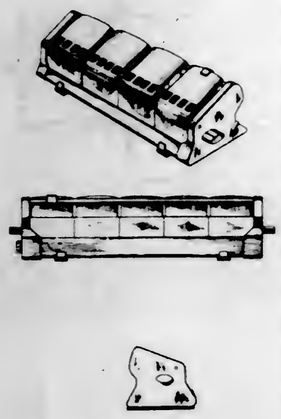
The ornamental design for a utility purse, as shown and described.

165,563
STOOL
Alice L. Turnbull, Vienna, Va.
Application February 9, 1950, Serial No. 7,834
Term of patent 14 years
(Cl. D15—8)



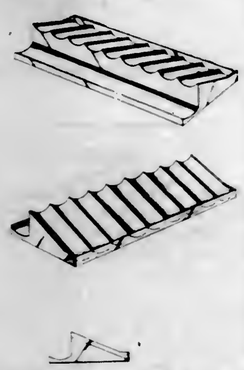
The ornamental design for a stool, as shown.

165,564
COUNTER
Anton Van Veen, Canton Center, Conn.
Application April 9, 1951, Serial No. 14,755
Term of patent 14 years
(Cl. D52—1)



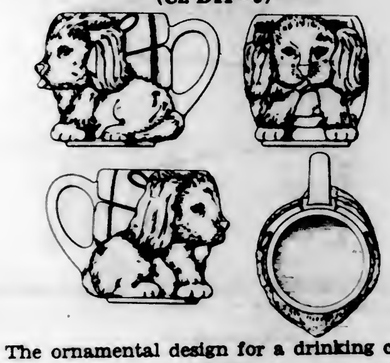
The ornamental design for a counter, as shown.

165,565
LIPSTICK TRAY
Virginia Alice White, Dallas, Tex.
Application December 21, 1950, Serial No. 13,523
Term of patent 14 years
(Cl. D86—10)



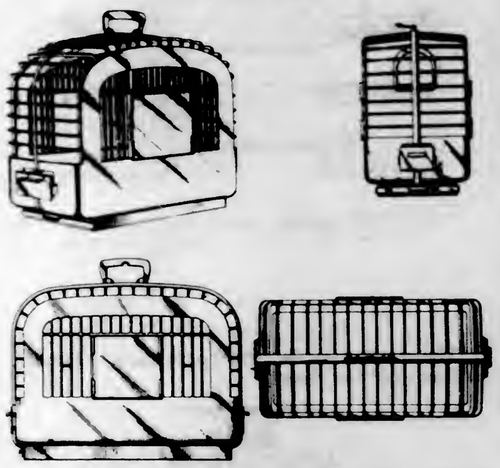
The ornamental design for a lipstick tray, as shown.

165,566
DRINKING CUP
Albert S. Yecko and Robert H. Fitzgerald, Pittsburgh, Pa.
Application September 28, 1950, Serial No. 12,382
Term of patent 14 years
(Cl. D44—9)



The ornamental design for a drinking cup, as shown.

165,567
BIRD CAGE
Morris Yellin, Chicago, Ill., assignor to Bernard Edward Co., Chicago, Ill., a corporation of Illinois
Application July 28, 1951, Serial No. 16,056
Term of patent 14 years
(Cl. D31—2)



The ornamental design for a bird cage, substantially as shown and described.

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